WKE

JANUARY 2026

ORDER OF SHEETS

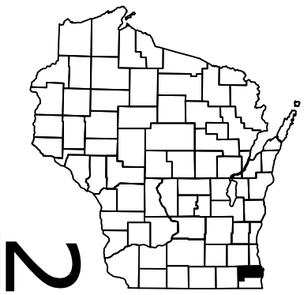
Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 1,182

PROJECT ID: 2390-12-70

WITH: N/A

COUNTY: RACINE



N

21

DESIGN DESIGNATION

A.A.D.T.	(2025)	=	38,700
A.A.D.T.	(2045)	=	39,900
D.H.V.	(2045)	=	4,192
D.D.		=	50%/50%
T.		=	9.0%
DESIGN SPEED		=	40 MPH
ESALS		=	4,700,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

PLEASANT PRAIRIE - CALEDONIA

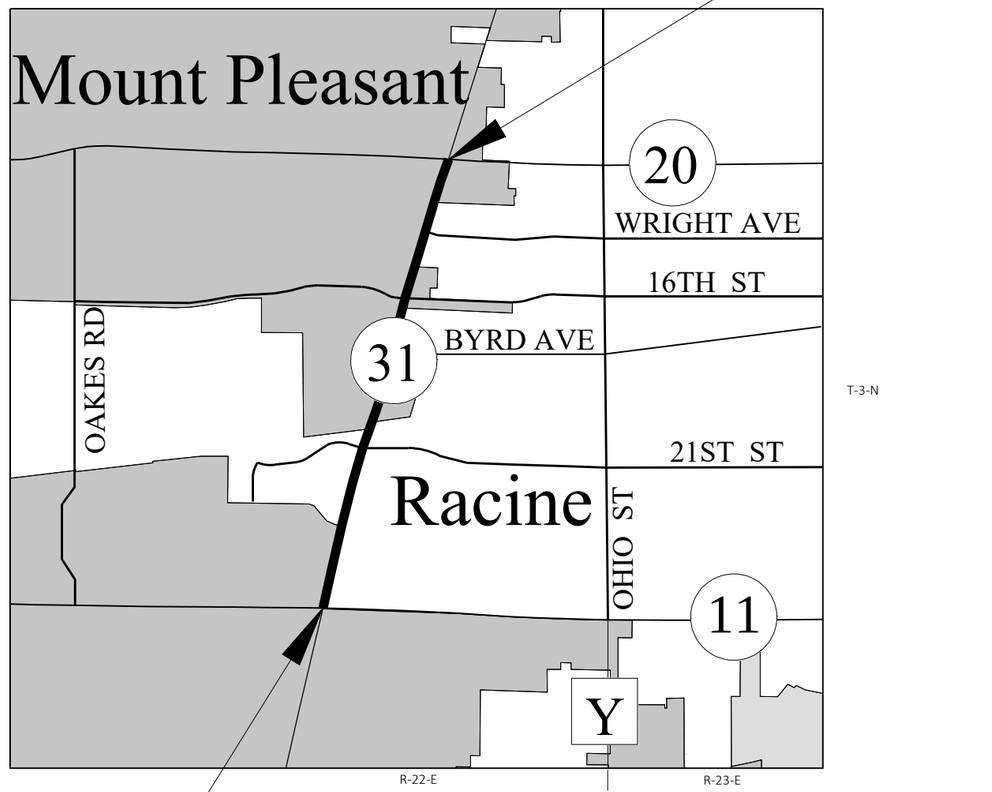
STH 11 TO STH 20

STH 31

RACINE COUNTY

STATE PROJECT NUMBER
2390-12-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2390-12-70	WISC 2026144	1



BEGIN PROJECT
STA 120+67.35
Y=175,265.70
X=620,810.76

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 1.520

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE SYSTEM (WCCS), RACINE COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 9A.

emcs

1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

WISCONSIN
BRIAN J. WILSON
E-34330-6
MILWAUKEE
WI
PROFESSIONAL ENGINEER

8/1/2025 (Date) Brian J Wilson (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	EMCS, INC./raSmith
Designer	EMCS, INC.
Project Manager	NGUYEN LY
Regional Examiner	STEVE CHOJNACKI
Regional Supervisor	BENEDICT ERUCHALU

APPROVED FOR THE DEPARTMENT

DATE: 8/1/2025 NGUYEN LY (Signature)

E

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ADJUSTMENTS
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DIGGERS HOTLINE
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www.DiggersHotline.com

THESE PLANS SHOW UTILITY FACILITIES EXISTING AT THE TIME OF THE ORIGINAL SURVEY IN 10/13/2019. FACILITIES INSTALLED AFTER THIS ARE ADDRESSED IN THE SPECIAL PROVISIONS.

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ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS
PAVING GRADES
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
SIGNING
TRAFFIC SIGNALS
INTERCONNECT
PAVEMENT MARKING
TRAFFIC CONTROL & STAGING
ALIGNMENT DETAILS
SURVEY CONTROL

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

TOPSOIL SHALL BE PLACED 1-INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

CURVE DATA IS BASED ON THE RADIUS DEFINITION.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND TO MATCH EXISTING PAVEMENT AND BASE THICKNESSES. COMMERCIAL DRIVEWAYS SHALL BE A MINIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS.

PIPE AND INLET ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS

THE CONTRACTOR'S PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.

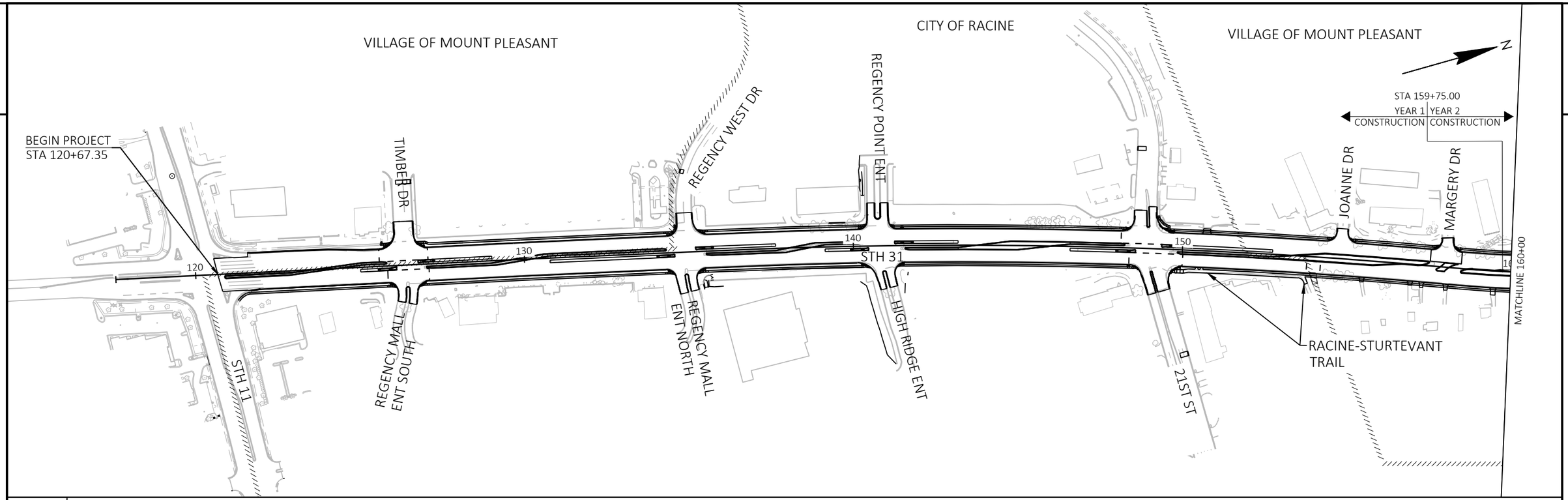
SAWCUTS, AS SHOWN ON THE PLANS, ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

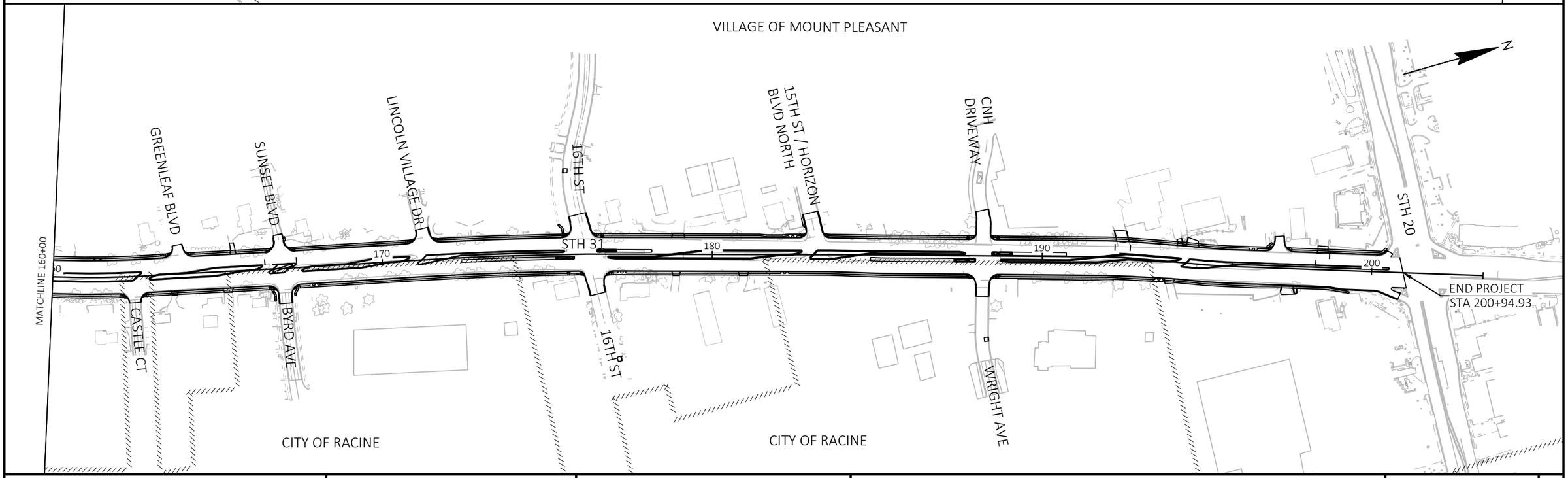
PRIOR TO ORDERING DRAINAGE PIPES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

STANDARD ABBREVIATIONS

ABUT	ABUTMENT	LT	LEFT
AC	ACRE	LHF	LEFT HAND FORWARD
AGG	AGGREGATE	L	LENGTH OF CURVE
AH	AHEAD	LF	LINEAR FOOT
∠	ANGLE	LC	LONG CHORD OF CURVE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	LS	LUMP SUM
AEW	APRON ENDWALL	MGAL	ONE THOUSAND GALLONS
ASPH	ASPHALTIC	MH	MANHOLE
BK	BACK	ML OR M/L	MATCH LINE
BC	BACK OF CURB	NOM	NOMINAL
BAD	BASE AGGREGATE DENSE	NC	NORMAL CROWN
BL OR B/L	BASE LINE	NB	NORTHBOUND
BM	BENCH MARK	NO	NUMBER
CB	CATCH BASIN	OD	OUTSIDE DIAMETER
CL OR C/L	CENTER LINE	PAVT	PAVEMENT
Δ	CENTRAL ANGLE OR DELTA	PLE	PERMANENT LIMITED EASEMENT
CE	COMMERCIAL ENTRANCE	PC	POINT OF CURVATURE
CONC	CONCRETE	PI	POINT OF INTERSECTION
CSW	CONCRETE SIDEWALK	PT	POINT OF TANGENCY
CONST	CONSTRUCTION	PCC	PORTLAND CEMENT CONCRETE
CP	CONTROL POINT	LB	POUND
CO	COUNTY	PSI	POUNDS PER SQUARE INCH
CTH	COUNTY TRUCK HIGHWAY	PE	PRIVATE ENTRANCE
CY	CUBIC YARD	PROJ	PROJECT
CP	CULVERT PIPE	PL	PROPERTY LINE
CPCA	CULVERT PIPE CORRUGATED ALUMINUM	PRW	PROPOSED RIGHT OF WAY
CPCPE	CULVERT PIPE CORRUGATED POLYETHYLENE	R	RADIUS
CPCPP	CULVERT PIPE CORRUGATED POLYPROPYLENE	RL OR R/L	REFERENCE LINE
CPCS	CULVERT PIPE CORRUGATED STEEL	REQD	REQUIRED
CPCSAC	CULVERT PIPE CORRUGATED STEEL ALUMINUM COATED	RT	RIGHT
CPCSPC	CULVERT PIPE CORRUGATED STEEL POLYMER COATED	RHF	RIGHT HAND FORWARD
CPRC	CULVERT PIPE REINFORCED CONCRETE	R/W	RIGHT OF WAY
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL	RD	ROAD
CPS	CULVERT PIPE SALVAGED	RDWY	ROADWAY
CPT	CULVERT PIPE TEMPORARY	SHLDR	SHOULDER
C & G	CURB AND GUTTER	SW	SIDEWALK
D	DEGREE OF CURVE	SB	SOUTHBOUND
DHV	DESIGN HOUR VOLUME	SPECS	SPECIFICATIONS
DIA	DIAMETER	SF	SQUARE FEET
DD	DIRECTIONAL DISTRIBUTION	SY	SQUARE YARD
DE	DRAINAGE EASEMENT	SDD	STANDARD DETAIL DRAWINGS
DWY	DRIVEWAY	STH	STATE TRUNK HIGHWAY
EA	EACH	STA	STATION
EB	EASTBOUND	SSPC	STORM SEWER PIPE COMPOSITE
EL OR ELEV	ELEVATION	SSCPE	STORM SEWER PIPE CORRUGATED POLYETHYLENE
EMB	EMBANKMENT	SSCPP	STORM SEWER PIPE CORRUGATED POLYPROPYLENE
EW	ENDWALL	SSPNRC	STORM SEWER PIPE NON-REINFORCED CONCRETE
EAT	ENERGY ABSORBING TERMINAL	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
ESALS	EQUIVALENT SINGLE AXLE LOADS	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EXC	EXCAVATION	SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
EBS	EXCAVATION BELOW SUBGRADE	SE	SUPERELEVATION
EXIST	EXISTING	SL OR S/L	SURVEY LINE
FERT	FERTILIZER	TEMP	TEMPORARY
FE	FIELD ENTRANCE	TI	TEMPORARY INTEREST
FL OR F/L	FLOW LINE	TLE	TEMPORARY LIMITED EASEMENT
FT	FOOT	TC	TOP OF CURB
FTMS	FREE TRAFFIC MANAGEMENT SYSTEM	TL OR T/L	TRANSIT LINE
HES	HIGH EARLY STRENGTH	T	TRUCKS (PERCENT OF)
HE	HIGHWAY EASEMENT	TYP	TYPICAL
CWT	HUNDRED WEIGHT	USH	UNITED STATES HIGHWAY
IN DIA	INCH DIAMETER	VAR	VARIABLE
INL	INLET	VC	VERTICAL CURVE
ID	INSIDE DIAMETER	VPC	VERTICAL POINT OF CURVATURE
INTERS	INTERSECTION	VPI	VERTICAL POINT OF INTERSECTION
IH	INTERSTATE HIGHWAY	VPT	VERTICAL POINT OF TANGENCY
INV	INVERT	W	WEST
JT	JOINT	WB	WESTBOUND

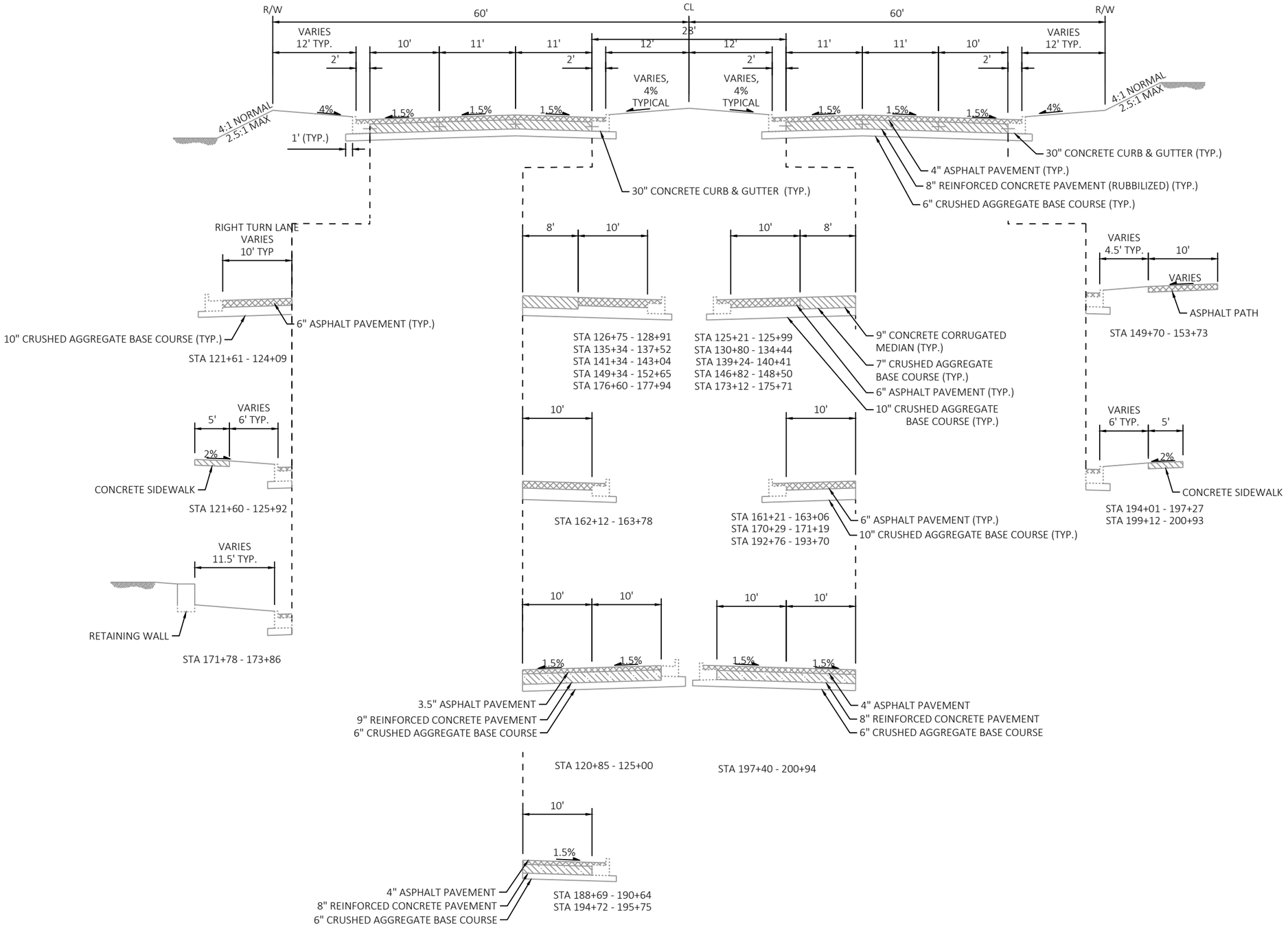
2





PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 7/8/2025 10:14 AM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:300 FT
WISDOT/CADDS SHEET 42



STH 31 EXISTING TYPICAL SECTION

STA 120+67.35 - 200+94.93

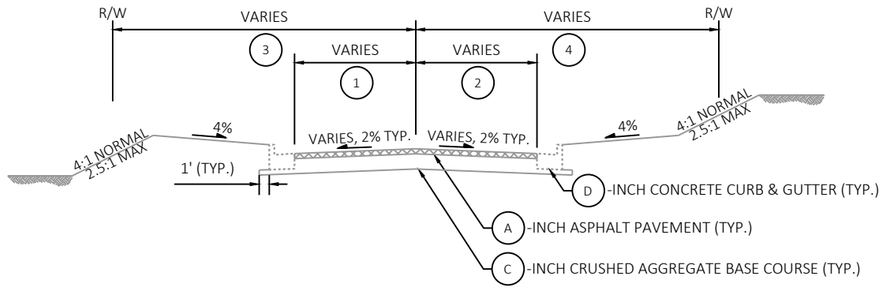
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TYPICAL SECTIONS - EXISTING	SHEET 5	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020307-ts 1in-15ft

PLOT DATE : 4/8/2025 4:49 PM PLOT BY : SAM FLINT PLOT NAME : PLOT SCALE : 1 IN:15 FT

WISDOT/CADDS SHEET 42

2

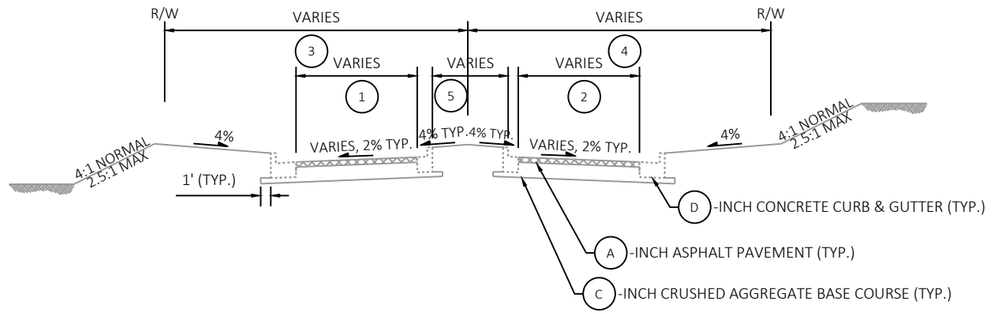


SIDEROAD EXISTING TYPICAL SECTION

TIMBER DR
REGENCY WEST DR
JOANNE DR
MARGERY DR
LINCOLN VILLAGE DR
16TH STREET (EAST OF STH 31)
15TH STREET/HORIZON BLVD NORTH

DATA TABLE									
ROAD NAME	1	2	3	4	5	A	B	C	D
TIMBER DR	22'	34'	33'	37'	--	6"	--	6"	30"
REGENCY WEST DR	22'	22'	33'	33'	--	6"	--	6"	30"
JOANNE DR	16'	16'	33'	33'	--	#	--	#	30"
MARGERY DR	16'	16'	33'	33'	--	#	--	#	36"
LINCOLN VILLAGE DR	16'	20'	31'	35'	-	#	--	#	30"
16TH ST (EAST OF STH 31)	25'	23'	38'	24.5'	--	6"	--	6"	30"
15TH ST/HORIZON BLVD NORTH	22'	22'	30'	30'	--	#	--	#	30"

UNKNOWN THICKNESS



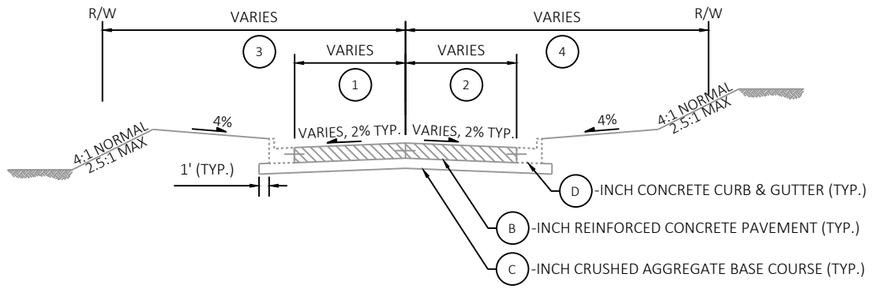
SIDEROAD EXISTING TYPICAL SECTION

REGENCY MALL ENT SOUTH
REGENCY MALL ENT NORTH
REGENCY POINT ENT
HIGH RIDGE ENT

DATA TABLE									
ROAD NAME	1	2	3	4	5	A	B	C	D
REGENCY MALL ENT SOUTH	22'	22'	*	*	10'	#	--	#	18"
REGENCY MALL ENT NORTH	22'	22'	*	*	10'	#	--	#	18"
REGENCY POINT ENT	20'	20'	*	*	16'	#	--	#	30"
HIGH RIDGE ENT	21'	16'	*	*	10'	#	--	#	18"
21ST ST (E OF STH 31)	35'	23'	*	*	4.5'	#	--	#	30"
21ST ST (W OF STH 31)	35'	23'	*	*	7'	#	--	#	30"

* = ON PRIVATE PROPERTY

UNKNOWN THICKNESS

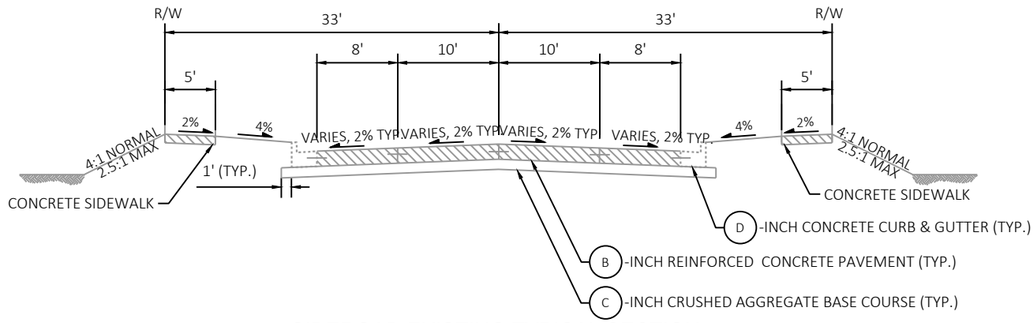


SIDEROAD EXISTING TYPICAL SECTION

REGENCY WEST DRIVE (WEST OF STH 31)
CASTLE COURT
16TH STREET (WEST OF STH 31)
WRIGHT AVENUE (EAST OF STH 31)

DATA TABLE								
ROAD NAME	1	2	3	4	A	B	C	D
REGENCY WEST DR	22'	22'	33'	33'	--	6"	6"	30"
CASTLE CT	16'	16'	27.5'	32.5'	--	#	#	30"
16TH ST (W OF STH 31)	25'	25'	35'	31'	--	9"	6"	30"
WRIGHT AVE (E OF STH 31)	18'	18'	30'	30'	--	9"	6"	30"

UNKNOWN THICKNESS



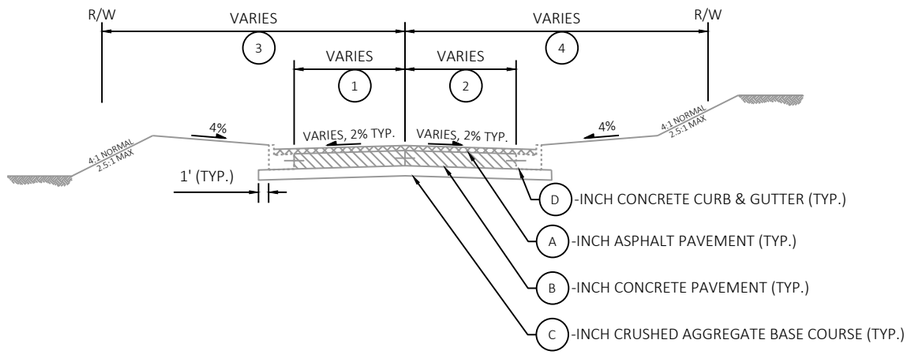
SIDEROAD EXISTING TYPICAL SECTION

BYRD AVENUE

DATA TABLE									
ROAD NAME	1	2	3	4		A	B	C	D
BYRD AVE	--	--	--	--	--	--	#	#	30"

UNKNOWN THICKNESS

2

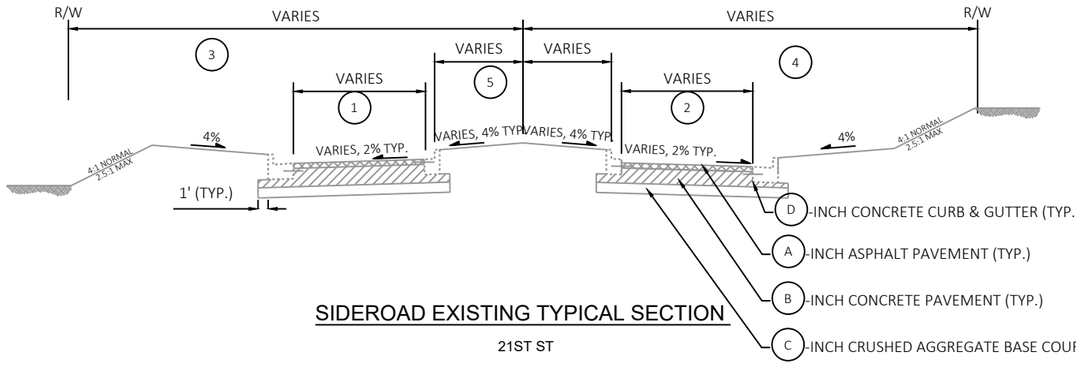


SIDEROAD EXISTING TYPICAL SECTION

GREENLEAF BOULEVARD
SUNSET BOULEVARD

DATA TABLE									
ROAD NAME	1	2	3	4	5	A	B	C	D
GREENLEAF BLVD	15'	15'	28'	32'	--	4"	8"	6"	30"
SUNSET BLVD	13'	13'	28.5'	31.5'	--	4"	8"	6"	30"

\# UNKNOWN THICKNESS



SIDEROAD EXISTING TYPICAL SECTION

21ST ST

DATA TABLE									
ROAD NAME	1	2	3	4	5	A	B	C	D
21ST ST (E OF STH 31)	35'	23'	*	*	4.5'	#	--	#	30"
21ST ST (W OF STH 31)	35'	23'	*	*	7'	#	--	#	30"

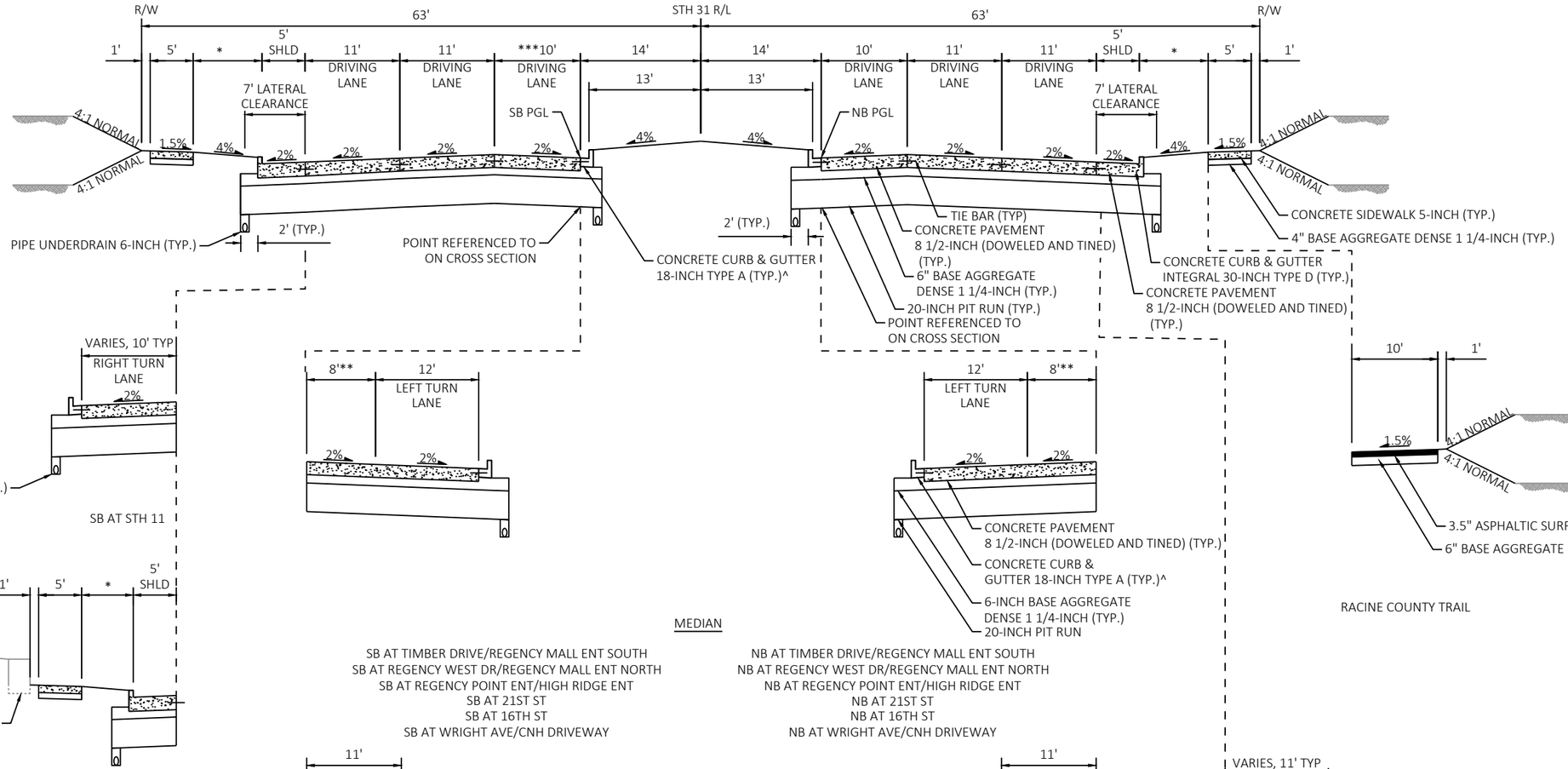
* = ON PRIVATE PROPERTY

\# UNKNOWN THICKNESS

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TYPICAL SECTIONS - EXISTING	SHEET 8	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020310-ts 1in-15ft

PLOT DATE : 4/8/2025 4:49 PM PLOT BY : SAM FLINT PLOT NAME : PLOT SCALE : 1 IN:15 FT



* 8' TERRACE (TYP.), STH 11 - REGENCY POINT ENT/HIGH RIDGE ENT
* 6' TERRACE (TYP.), REGENCY POINT ENT/HIGH RIDGE ENT - STH 20

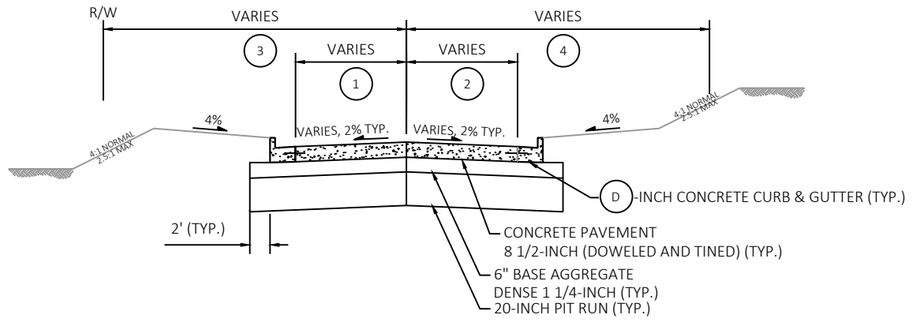
** 10' SLOTTED AT WRIGHT AVE

*** 11' LANE FROM STA 120+67 TO STA 123+03

^ SEE PLAN DETAILS FOR ALL CURB & GUTTER SIZES AND TRANSITION LENGTHS

STH 31 PROPOSED TYPICAL SECTION

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TYPICAL SECTIONS - PROPOSED	SHEET 9	E

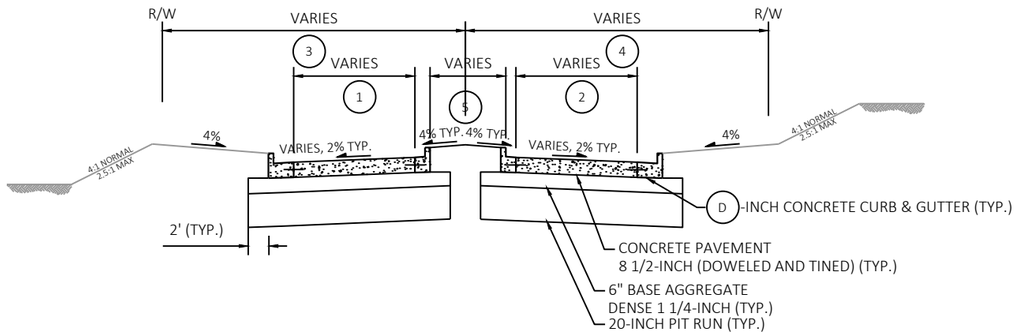


SIDEROAD PROPOSED TYPICAL SECTION

TIMBER DR
REGENCY WEST DR
JOANNE DR
MARGERY DR
GREENLEAF BLVD
SUNSET BLVD
LINCOLN VILLAGE DR
16TH STREET (EAST OF STH 31)
15TH STREET/HORIZON BLVD NORTH
CASTLE COURT
16TH STREET (WEST OF STH 31)
WRIGHT AVENUE (EAST OF STH 31)

DATA TABLE						
ROAD NAME	1	2	3	4	5	D
TIMBER DR	22'	34'	33'	37'	--	30"
REGENCY WEST DR	22'	22'	33'	33'	--	30"
JOANNE DR	16'	16'	33'	33'	--	30"
MARGERY DR	16'	16'	33'	33'	--	36"
GREENLEAF BLVD	15'	15'	28'	32'	--	30"
SUNSET BLVD	13'	13'	28.5'	31.5'	--	30"
16TH ST (EAST OF STH 31)	25'	23'	38'	24.5'	--	30"
15TH ST/HORIZON BLVD NORTH	22'	22'	30'	30'	--	30"
LINCOLN VILLAGE DR	16'	20'	31'	35'	--	30"
CASTLE CT	16'	16'	27.5'	32.5'	--	30"
16TH ST (W OF STH 31)	25'	25'	35'	31'	--	30"
WRIGHT AVE (E OF STH 31)	18'	18'	30'	30'	--	30"

UNKNOWN THICKNESS



SIDEROAD PROPOSED SECTION

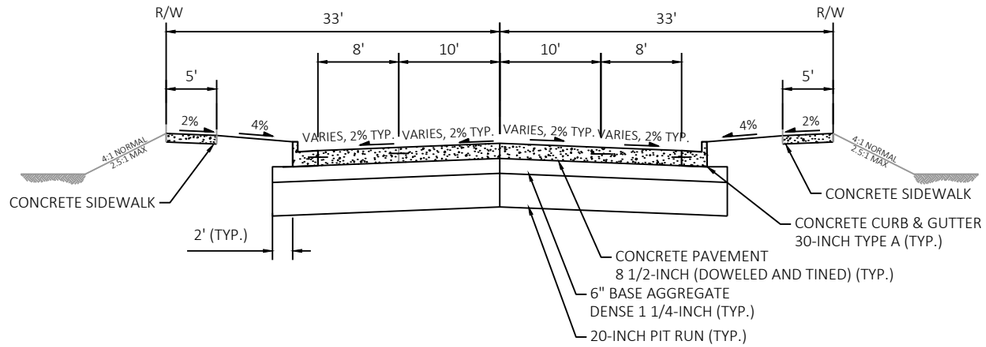
REGENCY MALL ENT SOUTH
REGENCY MALL ENT NORTH
REGENCY POINT ENT
HIGH RIDGE ENT
21ST ST

DATA TABLE						
ROAD NAME	1	2	3	4	5	D
REGENCY MALL ENT SOUTH	22'	22'	*	*	10'	18"
REGENCY MALL ENT NORTH	22'	22'	*	*	10'	18"
REGENCY POINT ENT	20'	20'	*	*	16'	30"
HIGH RIDGE ENT	21'	16'	*	*	10'	18"
21ST ST (E OF STH 31)	35'	23'	*	*	4.5'	18"
21ST ST (W OF STH 31)	35'	23'	*	*	7'	18"

* = ON PRIVATE PROPERTY

UNKNOWN THICKNESS

2



SIDEROAD PROPOSED TYPICAL SECTION

BYRD AVENUE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TYPICAL SECTIONS - PROPOSED	SHEET 11	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020312-ts 1in-15ft (3)
PLOT DATE : 4/8/2025 4:49 PM
PLOT BY : SAM FLINT
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

EXCAVATING, PREPARING THE FOUNDATION AND SHIMMING ARE INCIDENTAL TO THE INLET BID ITEMS.

MONOLITHIC SHIM CONCRETE, CONCRETE PLACEMENT AND FINISHING ARE INCIDENTAL TO THE CONCRETE CURB & GUTTER BID ITEM.

PREVENT CONCRETE AND OTHER DEBRIS FROM FALLING INTO STRUCTURE.

REFER TO PLAN DETAILS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

* TIEBARS ARE INTENDED TO BE PLACED IN PLASTIC CONCRETE. NO ADDITIONAL PAYMENT WILL BE MADE FOR DRILLING TIE BARS IF THE CONTRACTOR ELECTS TO DRILL BARS AFTER CONCRETE HAS HARDENED.

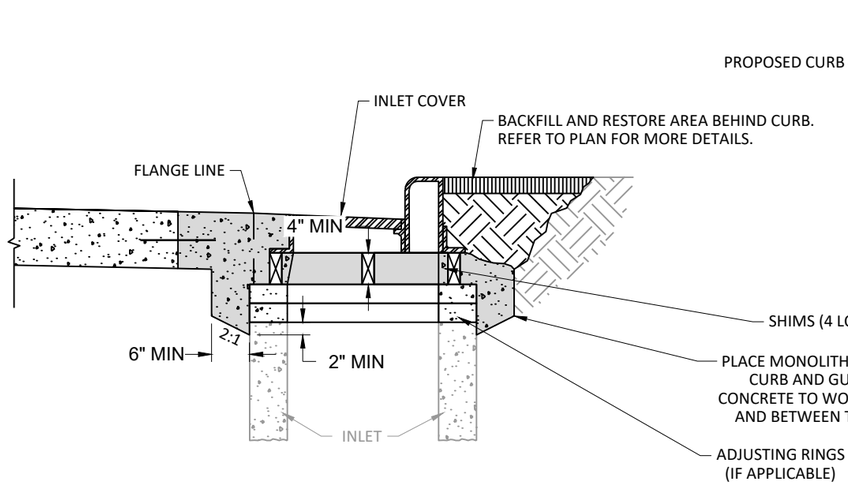


MONOLITHIC CONCRETE

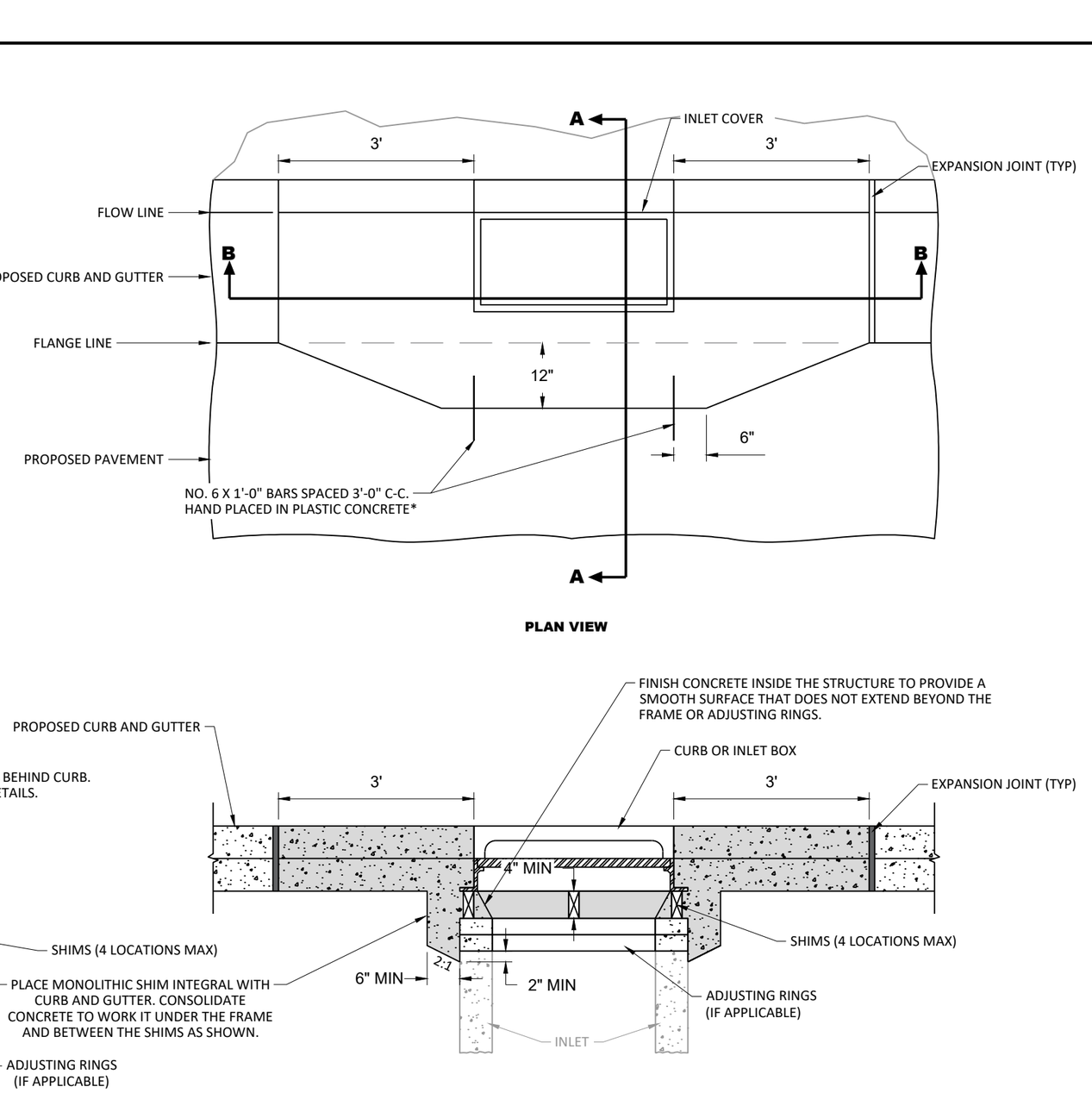


CONCRETE

PLAN VIEW



SECTION A-A



SECTION B-B

CATCH BASINS & INLETS - MONOLITHIC SHIM

CURB & GUTTER WITH FLANGE SHOWN; FOR INTEGRAL CURB & GUTTER, ELIMINATE THE FLANGE LINE THE BARS

EXCAVATING, PREPARING THE FOUNDATION AND SHIMMING ARE INCIDENTAL TO THE MANHOLE BID ITEMS.

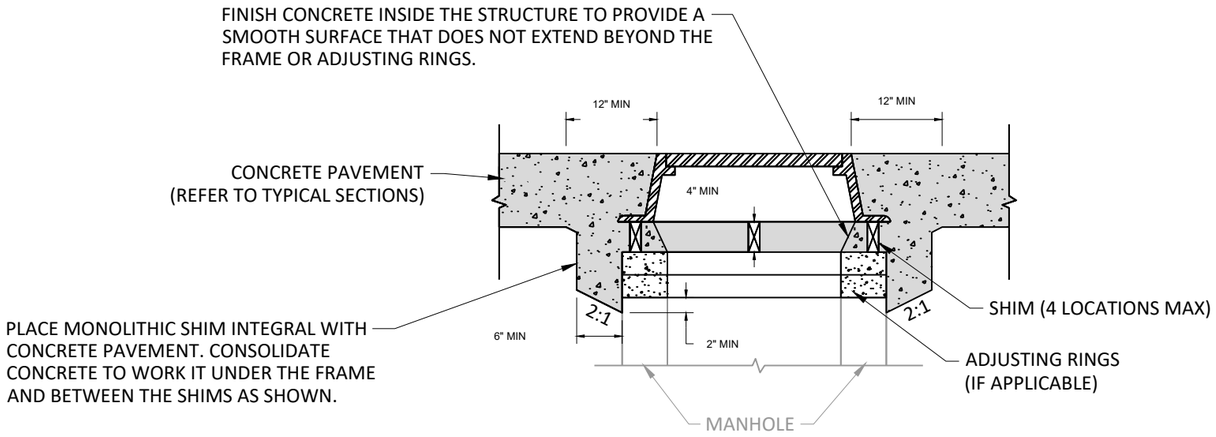
MONOLITHIC SHIM CONCRETE, CONCRETE PLACEMENT AND FINISHING IS INCIDENTAL TO THE CONCRETE PAVEMENT BID ITEMS.

PREVENT CONCRETE AND OTHER DEBRIS FROM FALLING INTO STRUCTURE.

REFER TO PLAN DETAILS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

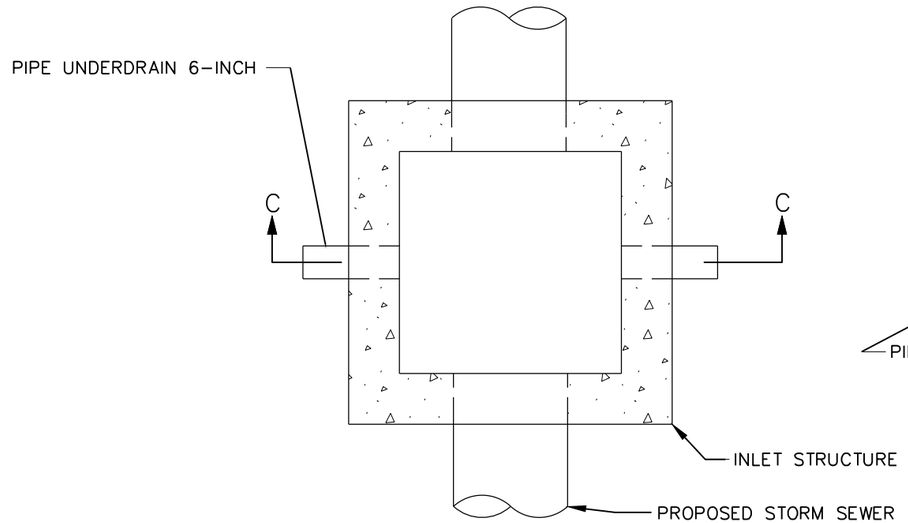


MONOLITHIC CONCRETE

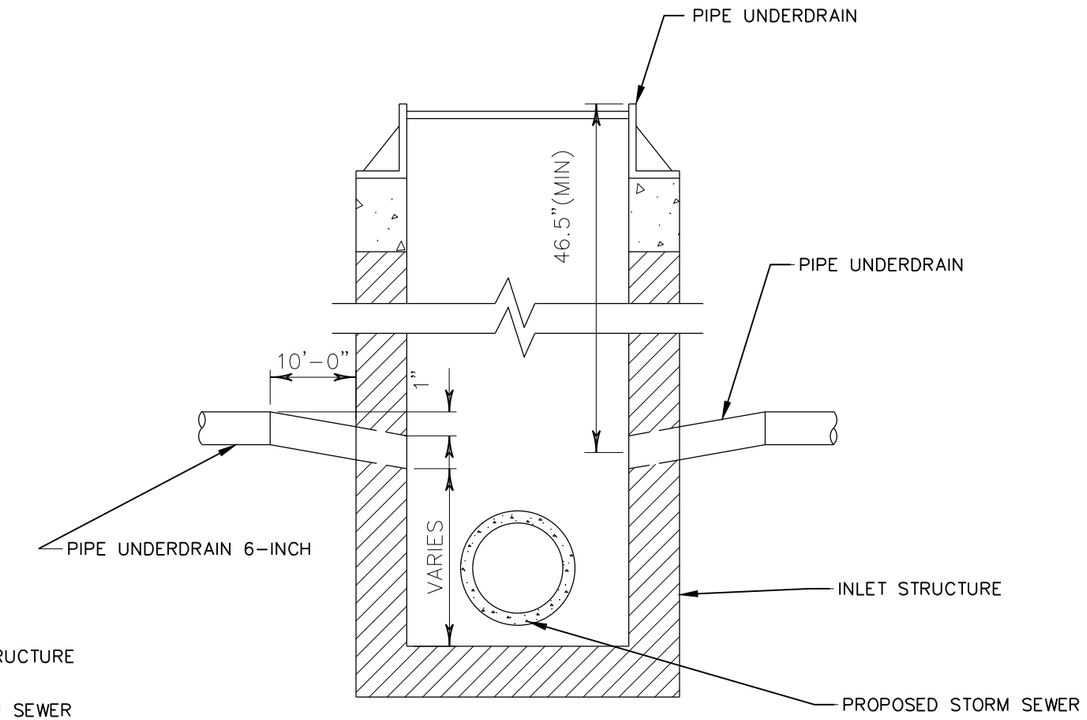


MANHOLE - MONOLITHIC SHIM

2



PLAN VIEW

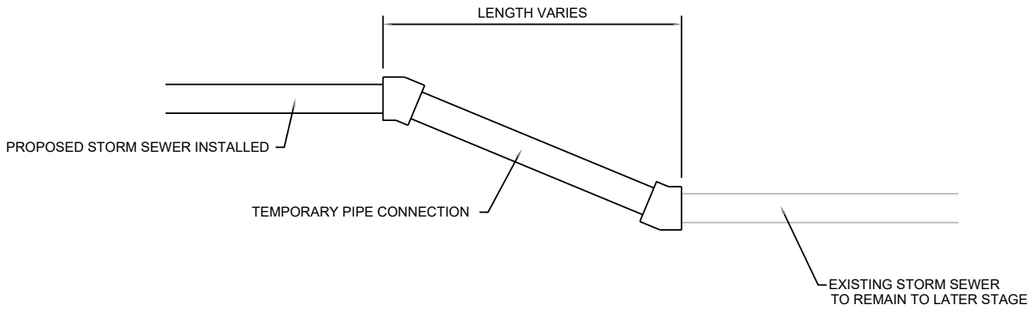


SECTION C–C

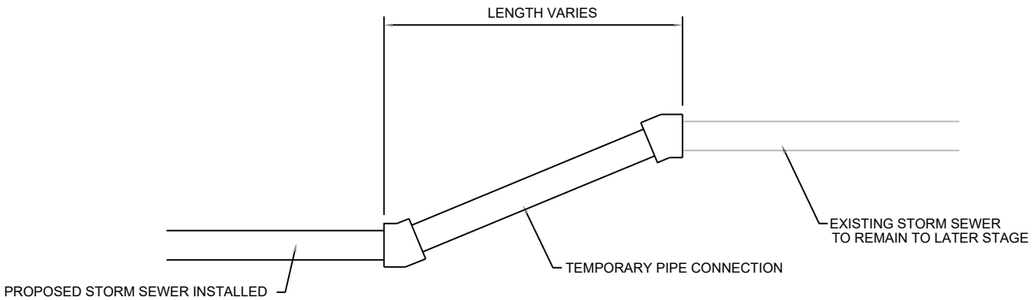
UNDERDRAIN OUTFALL AT DRAINAGE STRUCTURE

NOTES

1. SEE TYPICAL SECTIONS FOR PIPE UNDERDRAIN LOCATIONS
2. CONNECTION TO DRAINAGE STRUCTURE IS INCIDENTAL TO ITEM 612.0106, PIPE UNDERDRAIN 6–INCH



PLAN VIEW



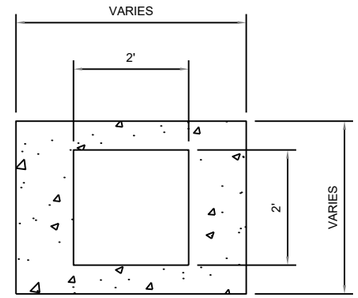
PROFILE VIEW

TEMPORARY PIPE CONNECTION

TO CONNECT EXISTING AND PROPOSED STORM SEWER
DURING STAGING

NOTES:

1. WHEN THE EXISTING AND PROPOSED PIPE SIZES ARE DIFFERENT THE TEMPORARY PIPE CONNECTION SHOULD BE THE SAME SIZE AS THE EXISTING
2. TEMPORARY PIPE CONNECTION PIPE MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 612 OF THE STANDARD SPECS. FOR PIPE SIZES 21 INCHES AND LESS THE PIPE MATERIAL SHALL BE UNPERFORATED POLYVINYL CHLORIDE (PVC) OR ACRYLONITRILE-BUTADIENE-STYRENE (ABS) DRAINAGE PIPE. FOR PIPE SIZES GREATER THAN 21-INCHES CORRUGATED STEEL OR CORRUGATED POLYETHYLENE DRAINAGE PIPE SHALL BE USED.
3. FOR PVC AND ABS PIPE ELBOWS SHOULD BE USED TO CORRECT ANY HORIZONTAL AND VERTICAL OFFSETS BETWEEN EXISTING AND PROPOSED STORM SEWER. ALL FITTINGS ARE INCIDENTAL TO THE TEMPORARY PIPE CONNECTION. FOR CORRUGATED STEEL OR CORRUGATED POLYETHYLENE PIPES CONCRETE COLLARS, MECHANICAL BANDS, OR OTHER ENGINEER APPROVED DEVICES SHALL BE USED TO CORRECT ANY HORIZONTAL OR VERTICAL OFFSET BETWEEN EXISTING AND PROPOSED STORM SEWER. ELBOWS, CONCRETE COLLARS, MECHANICAL BANDS, OR OTHER ENGINEER APPROVED DEVICES SHALL BE INCIDENTAL TO THE TEMPORARY PIPE CONNECTION.
4. CONNECT THE TEMPORARY PIPE CONNECTION TO THE PROPOSED STORM SEWER IN SUCH A MANNER THAT IT DOES NOT DAMAGE THE PROPOSED STORM SEWER.
5. REMOVE THE TEMPORARY PIPE CONNECTION WHEN THE REMAINDER OF THE STORM SEWER CAN BE INSTALLED IN A LATER STAGE.

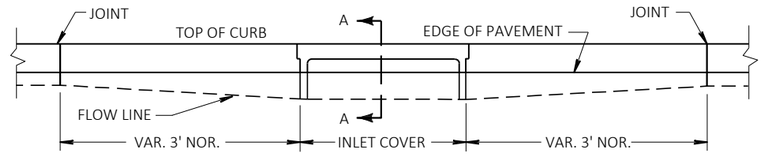


INLET COVERS TYPE S ADJUSTMENT RINGS

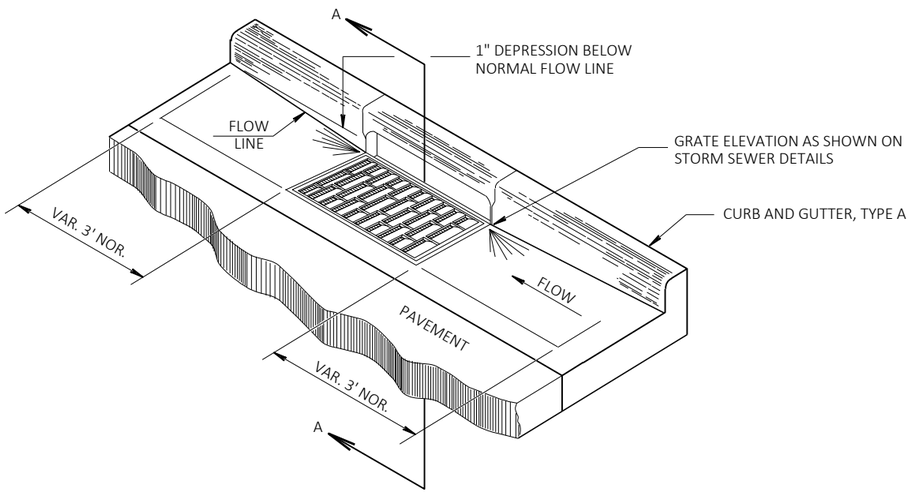
TO BE USED WHEN A TYPE S INLET COVER IS
PLACED ON A DIFFERENT SIZED STRUCTURE DURING STAGING

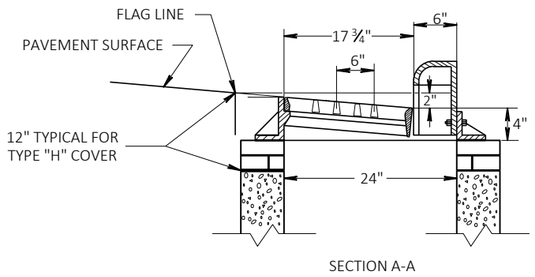
ADJUSTMENT RINGS ARE INCIDENTAL TO INLET COVERS TYPE S

PROVIDE ADJUSTMENT RINGS WITH A 2'X2' RECTANGULAR OPENING



ELEVATION





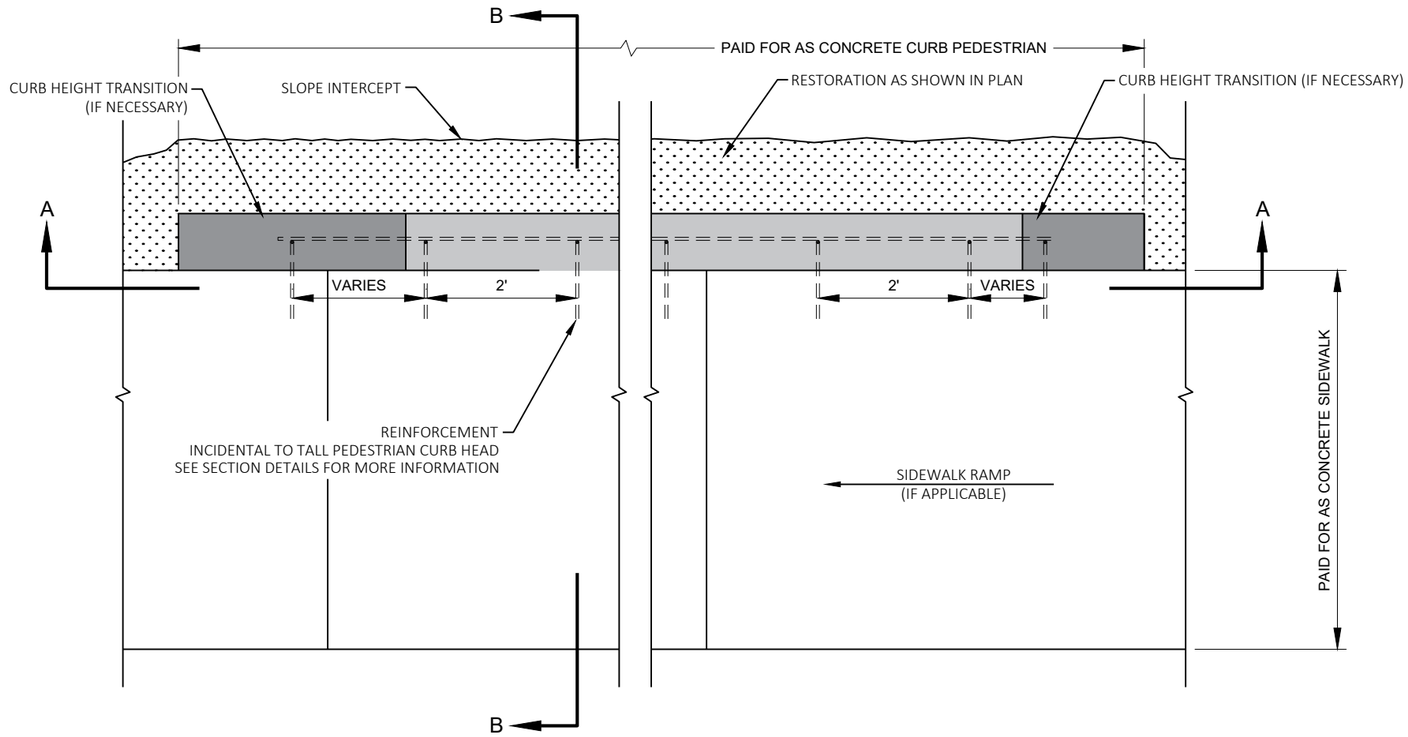
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

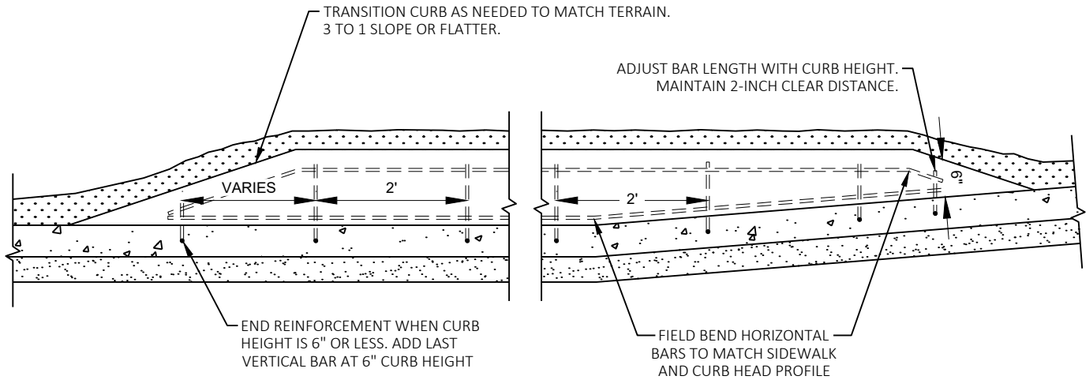
(INLETS 2X3=FT - TYPE H CASTING SHOWN)

CONSTRUCTION NOTES

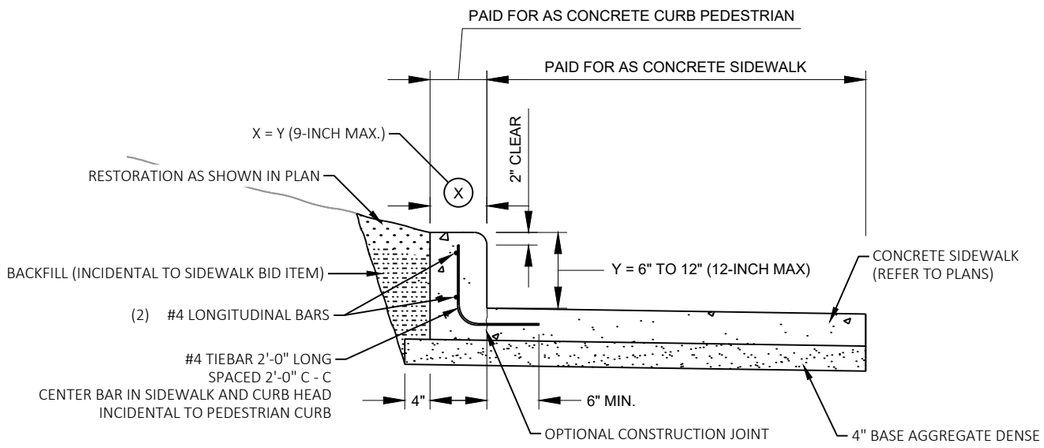
1. CONSTRUCTION FOR TALL PEDESTRIAN CURB SHALL CONFORM TO STANDARD SPEC 601.
2. PEDESTRIAN CURB IS INTENDED TO BE FORMED AND POURED INTEGRAL WITH ADJACENT SIDEWALK. NO ADDITIONAL PAYMENT WILL BE MADE FOR DRILLING TIEBARS IF CONTRACTOR CHOOSES TO POUR CURB AND SIDEWALK SEPARATELY.



PLAN VIEW



SECTION A - A

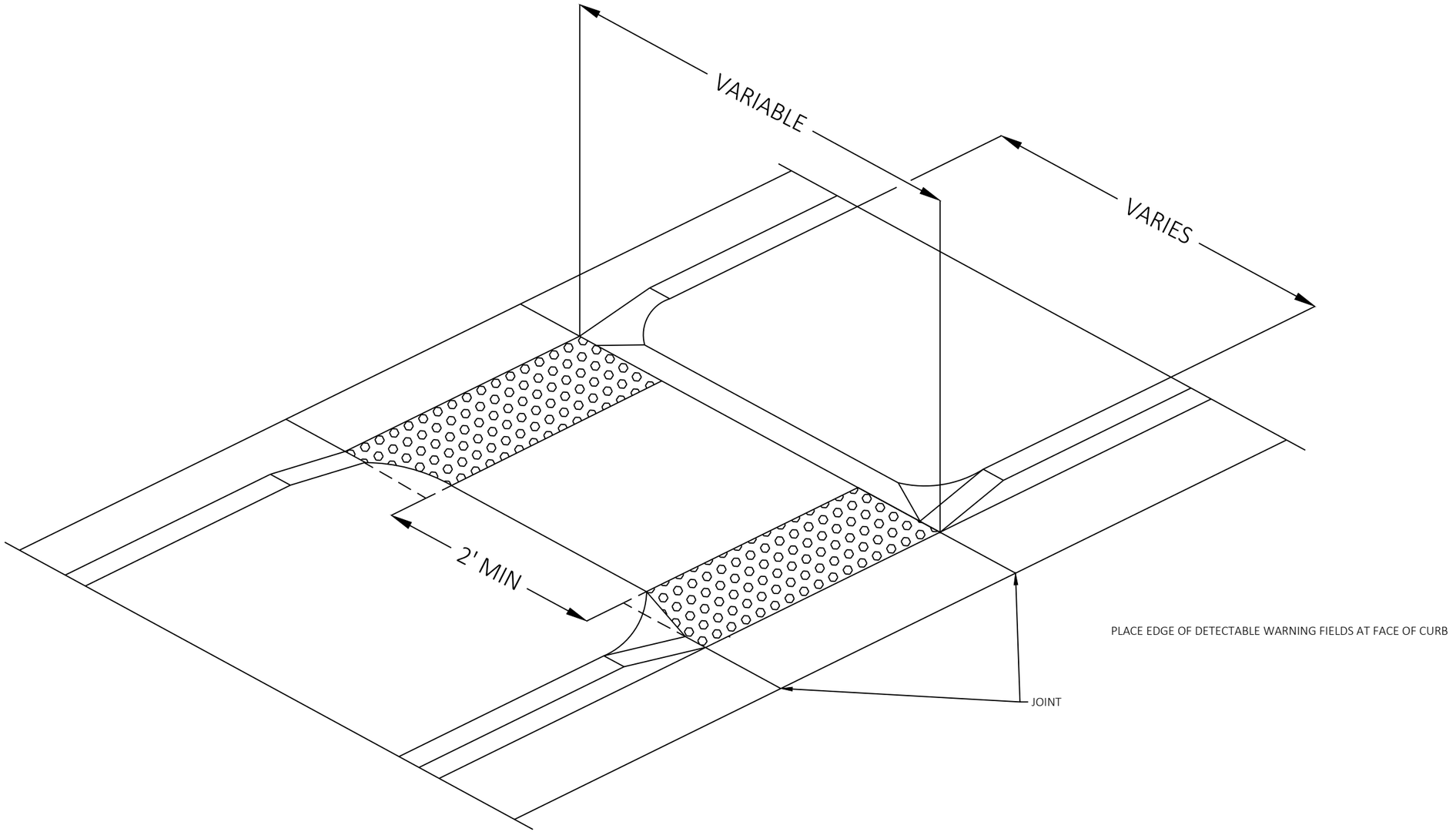


SECTION B - B

TALL PEDESTRIAN CURB

FOR PEDESTRIAN CURB GREATER THAN 6-INCHES IN HEIGHT.
REFER TO PLANS FOR LOCATION AND CURB HEIGHT.

2



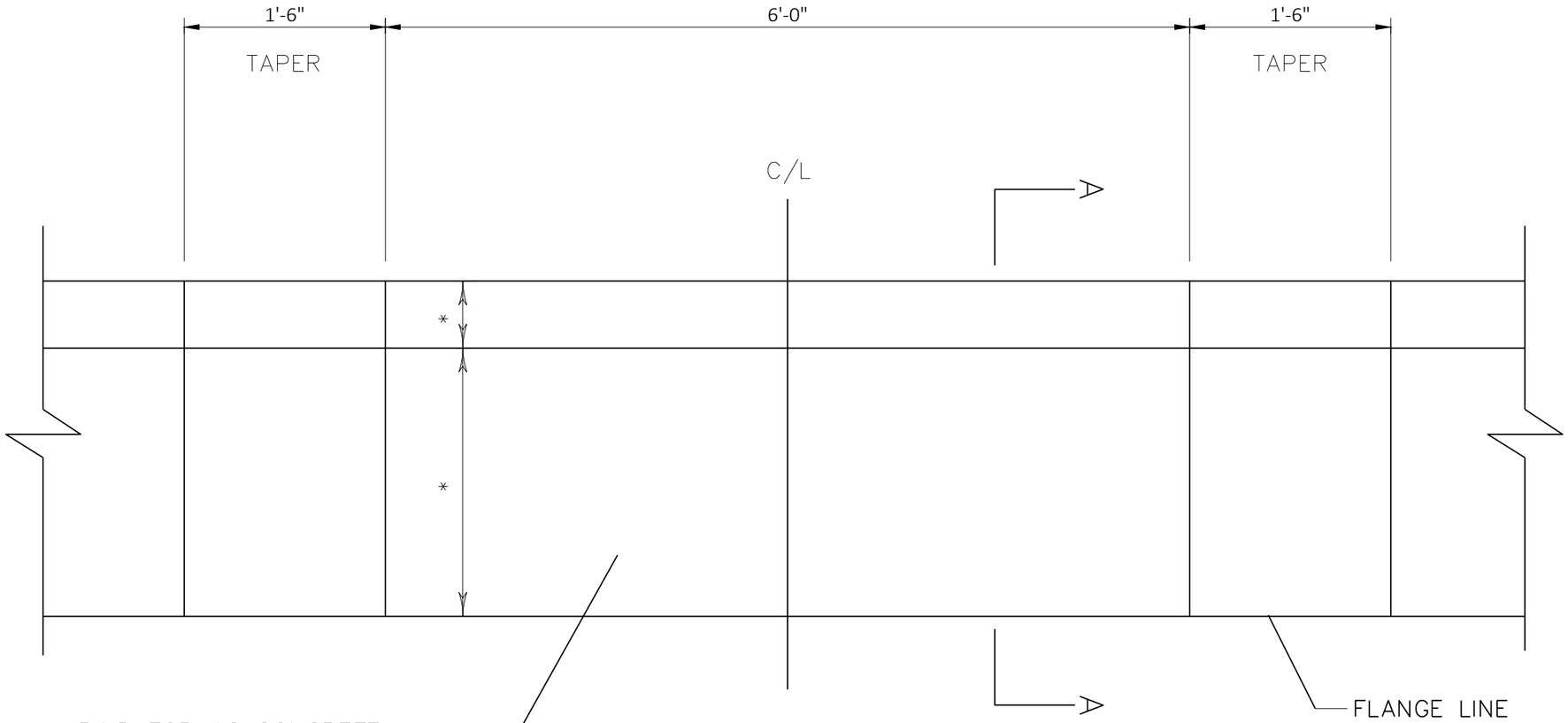
PLACE EDGE OF DETECTABLE WARNING FIELDS AT FACE OF CURB

CURB RAMP TYPE 5

STH 31
REFUGE ISLANDS

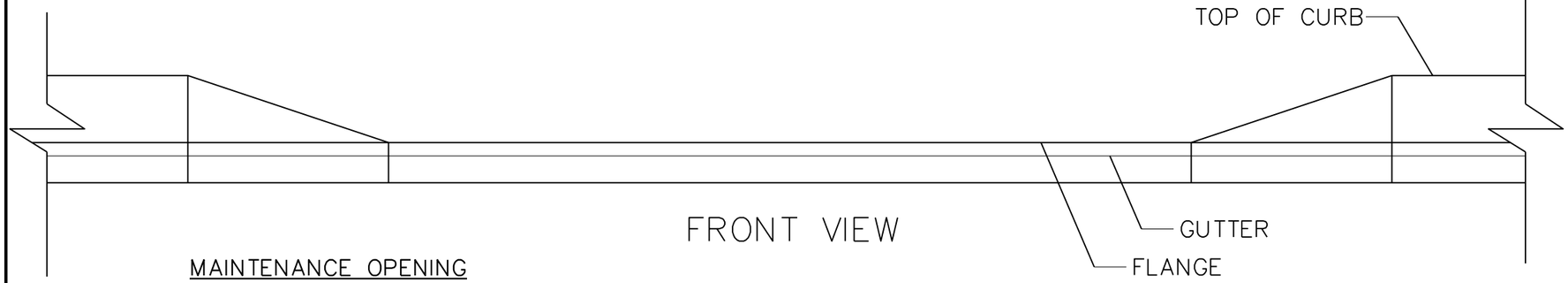
PROJECT NO: 2390-12-70	HWY: 31	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 18	E

2

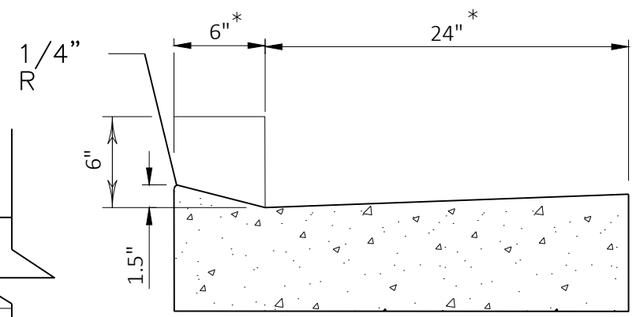


* TYPE AND DIMENSIONS TO MATCH ADJACENT CURB AND GUTTER.

PLAN VIEW



FRONT VIEW



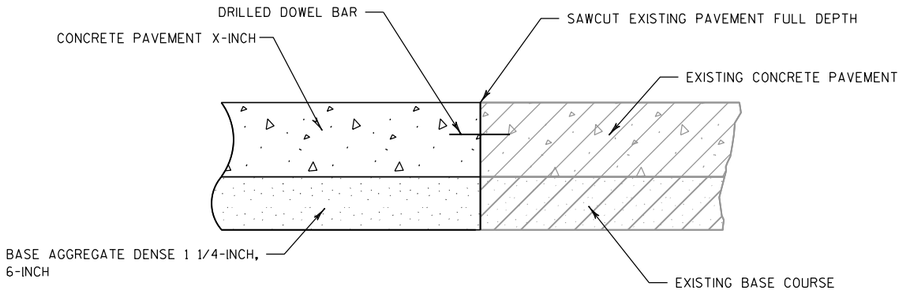
END VIEW

SECTION A–A

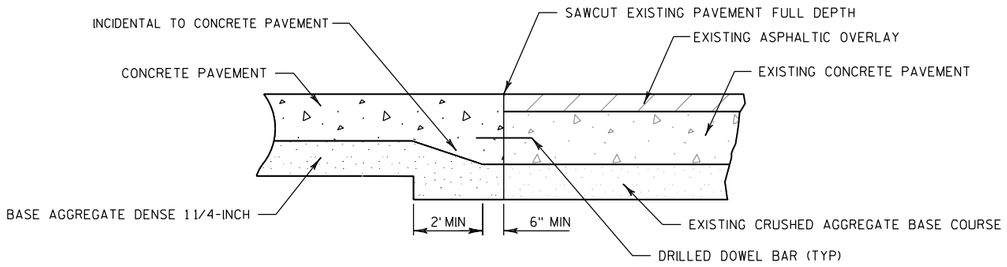
MAINTENANCE OPENING

LOCATIONS SHOWN ON PAVING DETAILS

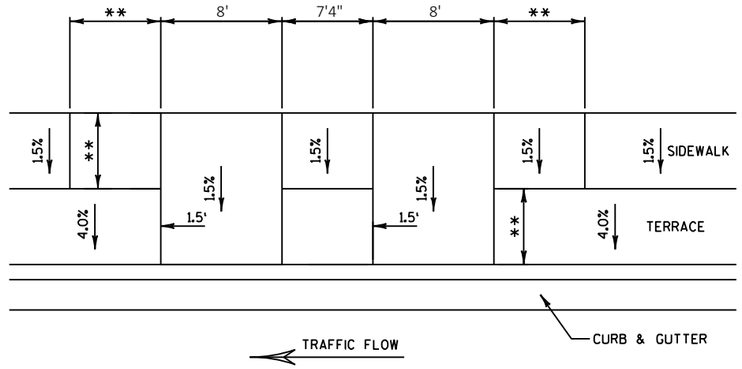
PROJECT NO: 2390-12-70	HWY: 31	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 19	E



MATCH AT EXISTING CONCRETE PAVEMENT



MATCH AT EXISTING CONCRETE PAVEMENT WITH ASPHALT OVERLAY

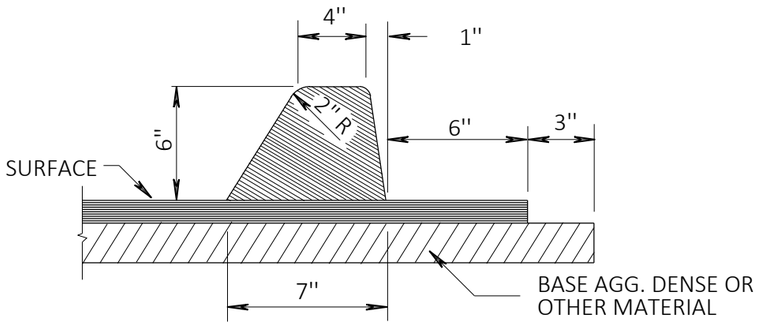


BUS STOPS

GENERAL NOTES

** DIMENSIONS NOTED PER PLAN

2



ASPHALTIC CURB DETAIL

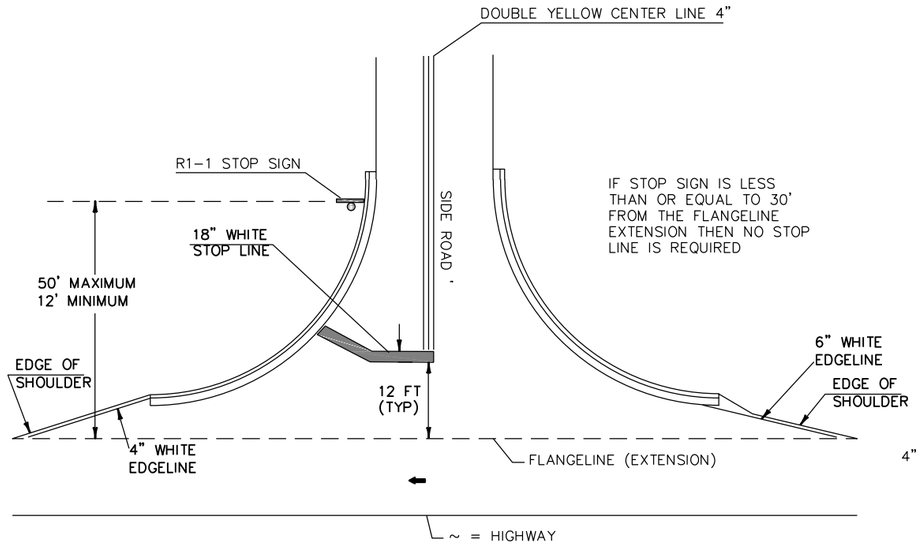
PROJECT NO: 2390-12-70	HWY: 31	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 21	E

2

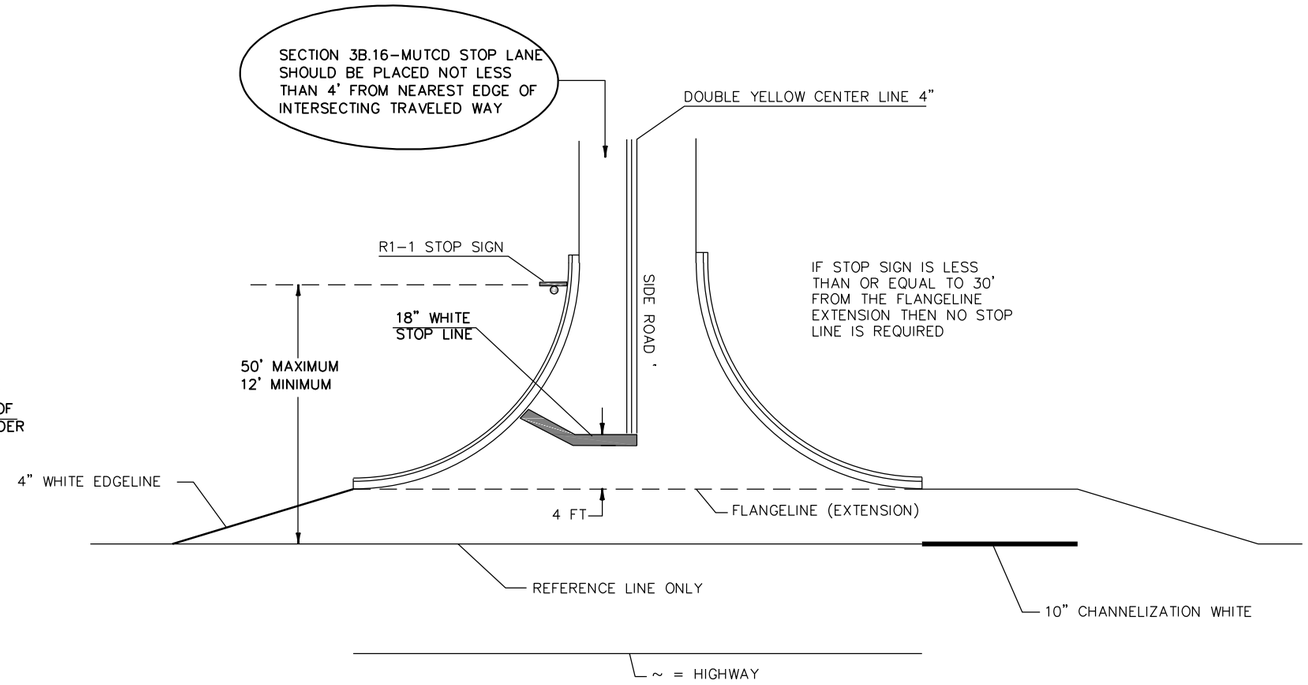
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

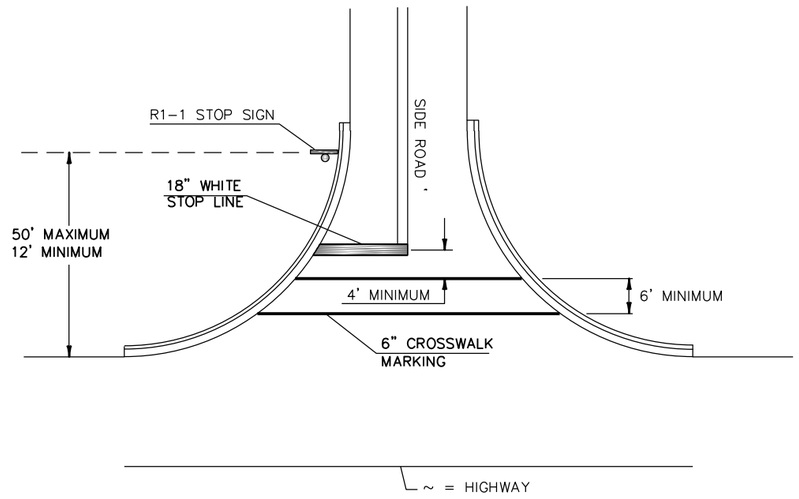
TOTAL PROJECT AREA = 28.90 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 26.61 ACRES



TYPICAL PAVEMENT MARKING FOR SIDEROADS



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE

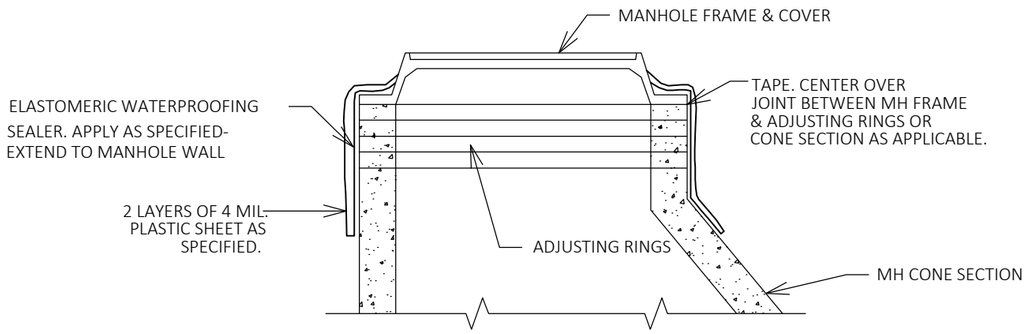


TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

NOTES:
18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

STOP LINES REQUIRED WHERE:

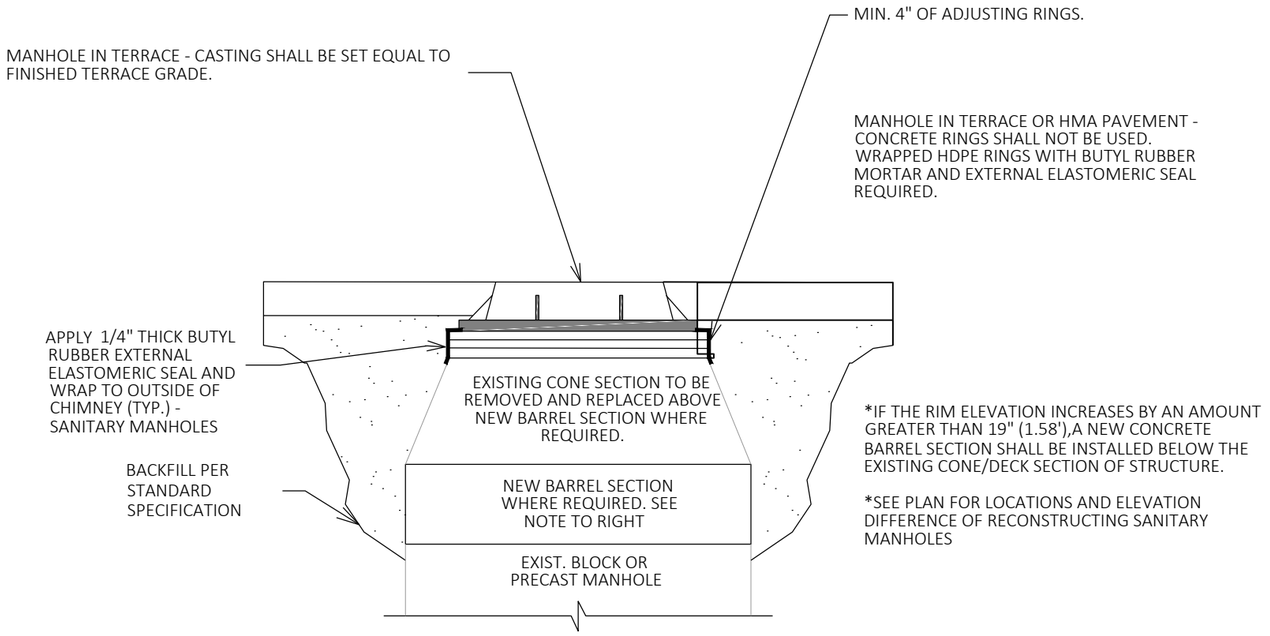
- CROSSWALK MARKINGS EXIST OR BEING PROVIDED
- LARGE RADII
- OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT.



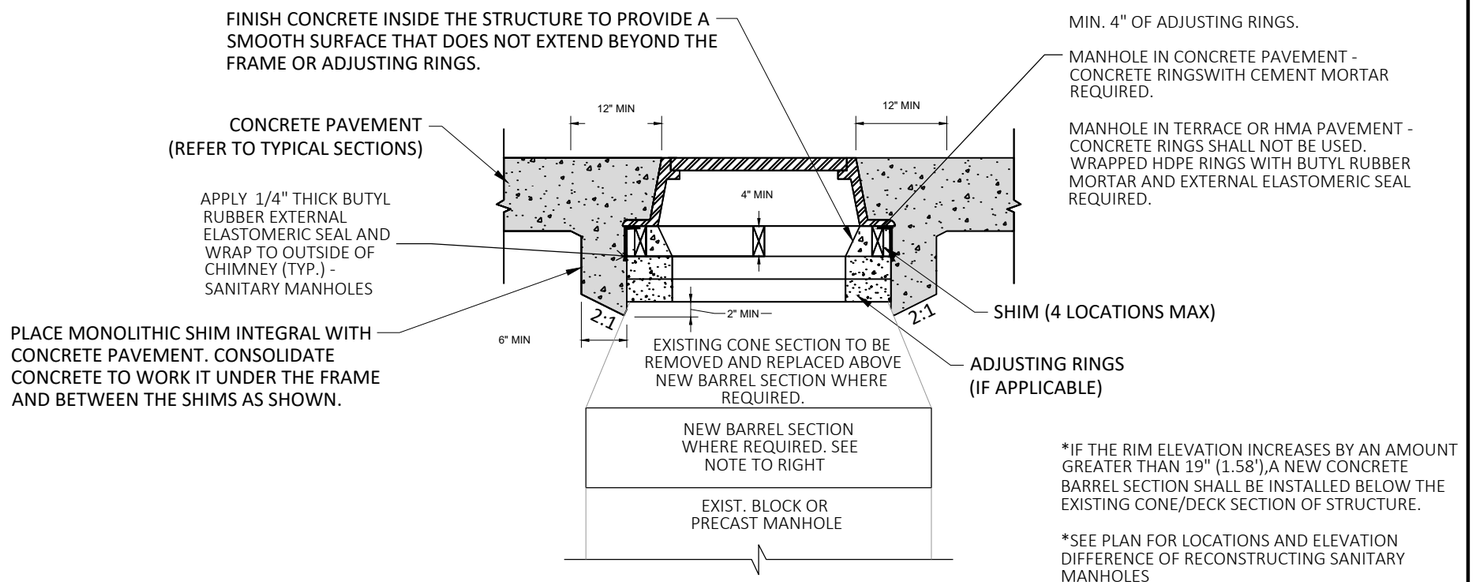
INSTALLATION PROCEDURE:

1. INSTALL EXTERNAL ELASTOMERIC SEAL
2. INSTALL EXTERNAL PLASTIC SHEETING
3. INSTALL EXTERNAL TAPE.

EXTERNAL RUBBER SEAL DETAIL
FOR SANITARY MANHOLES



ADJUSTING/RECONSTRUCTING SANITARY MANHOLES IN TERRACE



ADJUSTING/RECONSTRUCTING SANITARY MANHOLES IN CONCRETE PAVEMENT

2

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

PULL BOXES STEEL 24X36-INCH
149+39.79, -68.45' LT

PULL BOXES STEEL 24X36-INCH
149+63.87, 79.84' RT

PLE

PLE

STH 31

STH 31 R/L

21ST ST

21ST ST R/L

21ST ST R/L

21ST ST

9+00

11+00

149+00

150+00

TLE

TLE

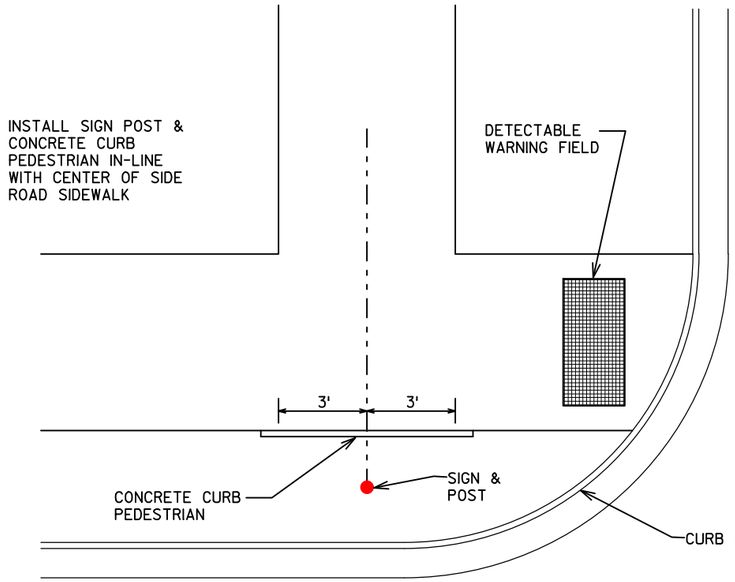
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CONSTRUCTION DETAILS - 21ST STREET CONDUIT	SHEET 25	E

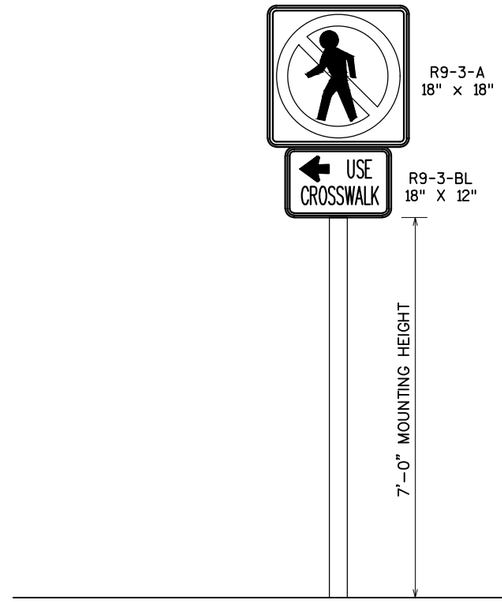
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 021002-cd

PLOT DATE : 4/15/2025 10:42 AM PLOT BY : SAM FLINT PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



CURB AND SIGN LOCATION DETAIL

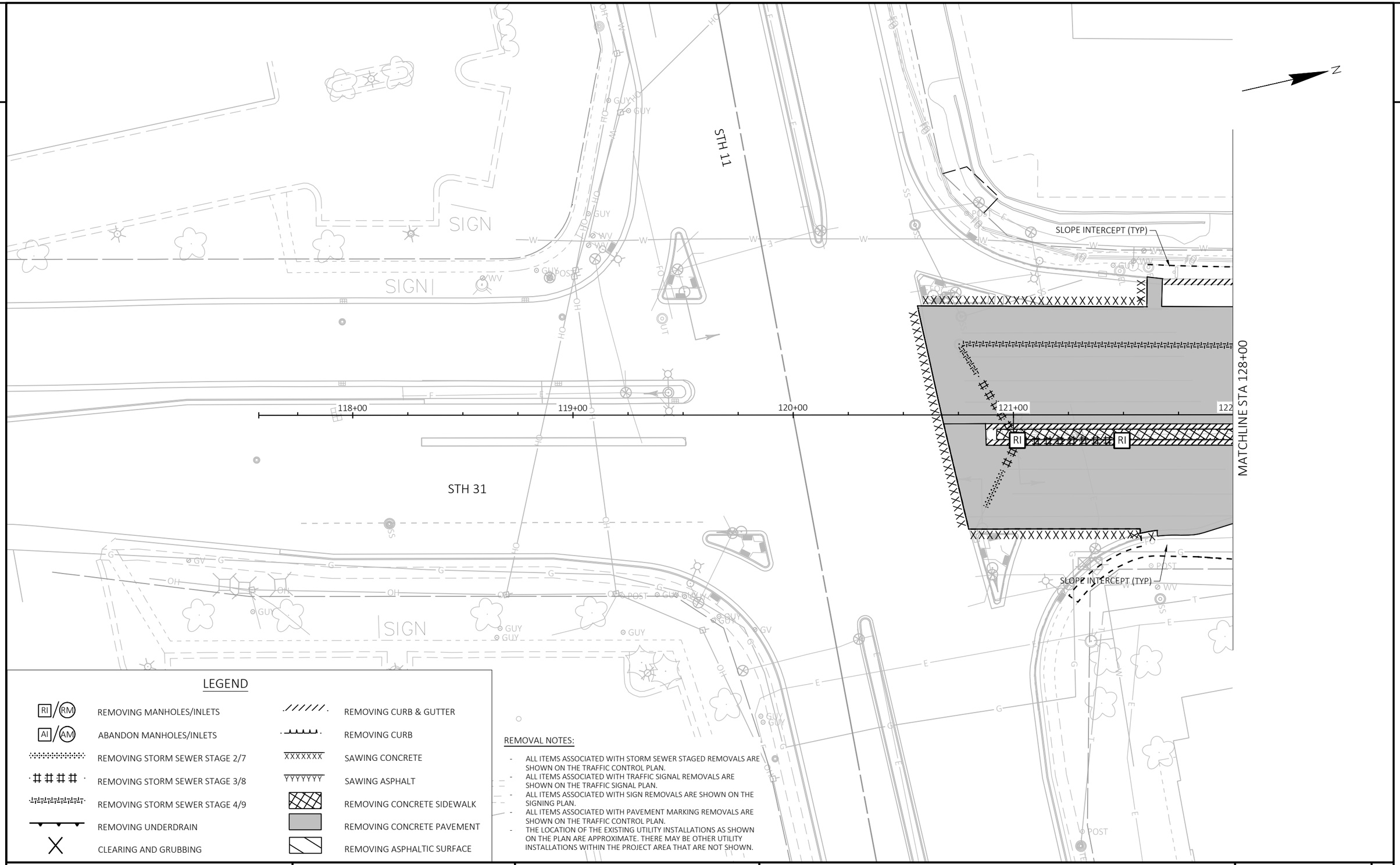


CONCRETE CURB PEDESTRIAN DETAIL
CURB ELEVATION VIEW

PEDESTRIAN BARRIER DETAIL
NOT TO SCALE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CONSTRUCTION DETAILS - PEDESTRIAN SIGN TYPICAL	SHEET 26 E

2



LEGEND

RI / RM — REMOVING MANHOLES/INLETS	REMOVING CURB & GUTTER
AI / AM — ABANDON MANHOLES/INLETS	REMOVING CURB
REMOVING STORM SEWER STAGE 2/7	SAWING CONCRETE
REMOVING STORM SEWER STAGE 3/8	SAWING ASPHALT
REMOVING STORM SEWER STAGE 4/9	REMOVING CONCRETE SIDEWALK
REMOVING UNDERDRAIN	REMOVING CONCRETE PAVEMENT
CLEARING AND GRUBBING	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
- ALL ITEMS ASSOCIATED WITH SIGN REMOVALS ARE SHOWN ON THE SIGNING PLAN.
- ALL ITEMS ASSOCIATED WITH PAVEMENT MARKING REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 27	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 01
PLOT DATE : 7/16/2025 10:33 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MATCHLINE STA 122+00

MATCHLINE STA 9+00

MATCHLINE STA 128+00

123+00

124+00

125+00

126+00

127+00

EX R/W

TLE

SLOPE INTERCEPT (TYP)

STH 31

REGENCY MALL ENT SOUTH

11+00

LEGEND

RI/RM	REMOVING MANHOLES/INLETS
AI/AM	ABANDON MANHOLES/INLETS
	REMOVING STORM SEWER STAGE 2/7
	REMOVING STORM SEWER STAGE 3/8
	REMOVING STORM SEWER STAGE 4/9
	REMOVING UNDERDRAIN
	CLEARING AND GRUBBING
	REMOVING CURB & GUTTER
	REMOVING CURB
XXXXXXX	SAWING CONCRETE
YYYYYYY	SAWING ASPHALT
	REMOVING CONCRETE SIDEWALK
	REMOVING CONCRETE PAVEMENT
	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
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- THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 28	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 02

PLOT DATE : 7/16/2025 10:34 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

MATCHLINE STA 128+00

MATCHLINE STA 134+00

SLOPE INTERCEPT (TYP)

TLE

EX R/W

RI

AI

AM

RM

129+00

130+00

131+00

132+00

133+00

204.0280 - SEALING PIPES

STH 31

TLE

TLE

SLOPE INTERCEPT (TYP)

N

LEGEND

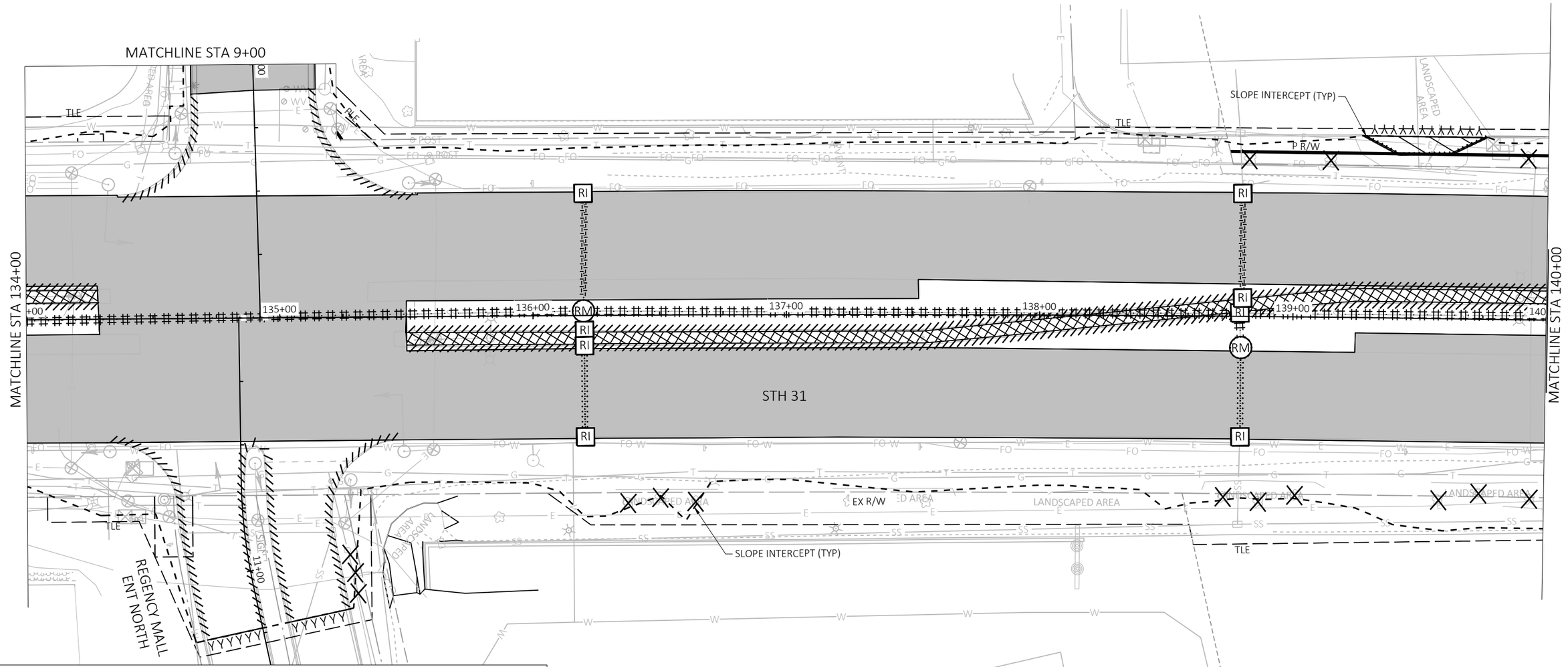
RI/RM	REMOVING MANHOLES/INLETS
AI/AM	ABANDON MANHOLES/INLETS
	REMOVING STORM SEWER STAGE 2/7
	REMOVING STORM SEWER STAGE 3/8
	REMOVING STORM SEWER STAGE 4/9
	REMOVING UNDERDRAIN
	CLEARING AND GRUBBING
	REMOVING CURB & GUTTER
	REMOVING CURB
XXXXXXX	SAWING CONCRETE
YYYYYYY	SAWING ASPHALT
	REMOVING CONCRETE SIDEWALK
	REMOVING CONCRETE PAVEMENT
	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 29	E

2



LEGEND

RI / RM — REMOVING MANHOLES/INLETS	REMOVING CURB & GUTTER
AI / AM — ABANDON MANHOLES/INLETS	REMOVING CURB
REMOVING STORM SEWER STAGE 2/7	SAWING CONCRETE
REMOVING STORM SEWER STAGE 3/8	SAWING ASPHALT
REMOVING STORM SEWER STAGE 4/9	REMOVING CONCRETE SIDEWALK
REMOVING UNDERDRAIN	REMOVING CONCRETE PAVEMENT
CLEARING AND GRUBBING	REMOVING ASPHALTIC SURFACE

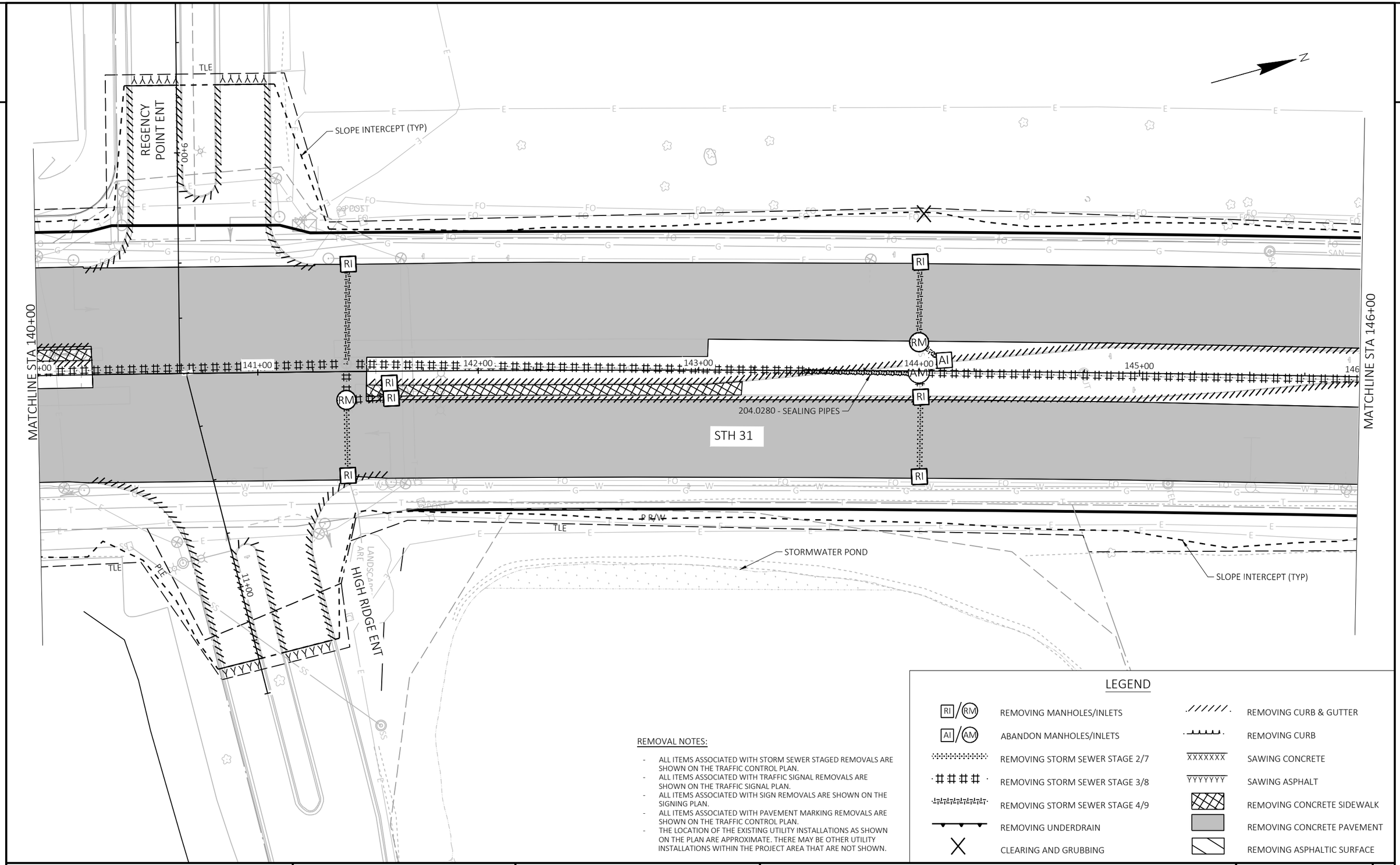
REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 30	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 04
PLOT DATE : 7/16/2025 10:34 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
- ALL ITEMS ASSOCIATED WITH SIGN REMOVALS ARE SHOWN ON THE SIGNING PLAN.
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LEGEND

RI / RM	REMOVING MANHOLES/INLETS
AI / AM	ABANDON MANHOLES/INLETS
	REMOVING STORM SEWER STAGE 2/7
	REMOVING STORM SEWER STAGE 3/8
	REMOVING STORM SEWER STAGE 4/9
	REMOVING UNDERDRAIN
X	CLEARING AND GRUBBING
	REMOVING CURB & GUTTER
	REMOVING CURB
XXXXXXX	SAWING CONCRETE
YYYYYYY	SAWING ASPHALT
	REMOVING CONCRETE SIDEWALK
	REMOVING CONCRETE PAVEMENT
	REMOVING ASPHALTIC SURFACE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 31	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 05
PLOT DATE : 7/16/2025 10:35 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

MATCHLINE STA 9+00

21ST ST

SLOPE INTERCEPT (TYP)

TLE

P R/W

EX R/W

P R/W

204.0280 - SEALING PIPES

204.0280 - SEALING PIPES

147+00

148+00

149+00

150+00

151+00

152

STH 31

MATCHLINE STA 146+00

MATCHLINE STA 152+00

MULTI-USE TRAIL

P R/W

TLE

TLE

P R/W

TLE

SLOPE INTERCEPT (TYP)

11+00

MATCHLINE STA 11+25

LEGEND

- RI/RM — REMOVING MANHOLES/INLETS
- AI/AM — ABANDON MANHOLES/INLETS
- REMOVING STORM SEWER STAGE 2/7
- REMOVING STORM SEWER STAGE 3/8
- REMOVING STORM SEWER STAGE 4/9
- REMOVING UNDERDRAIN
- CLEARING AND GRUBBING
- REMOVING CURB & GUTTER
- REMOVING CURB
- SAWING CONCRETE
- SAWING ASPHALT
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE

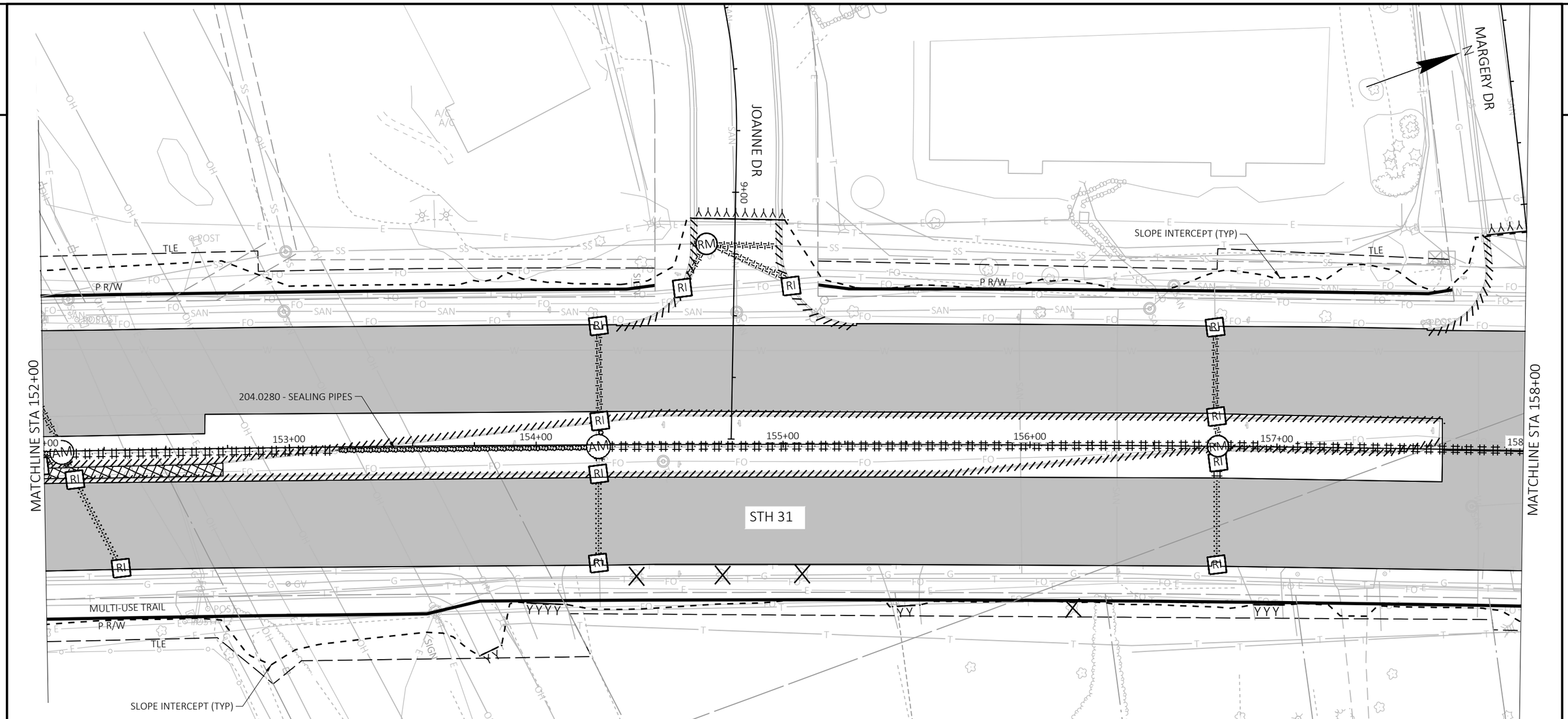
REMOVAL NOTES:

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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 32	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 06
PLOT DATE : 7/16/2025 10:35 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

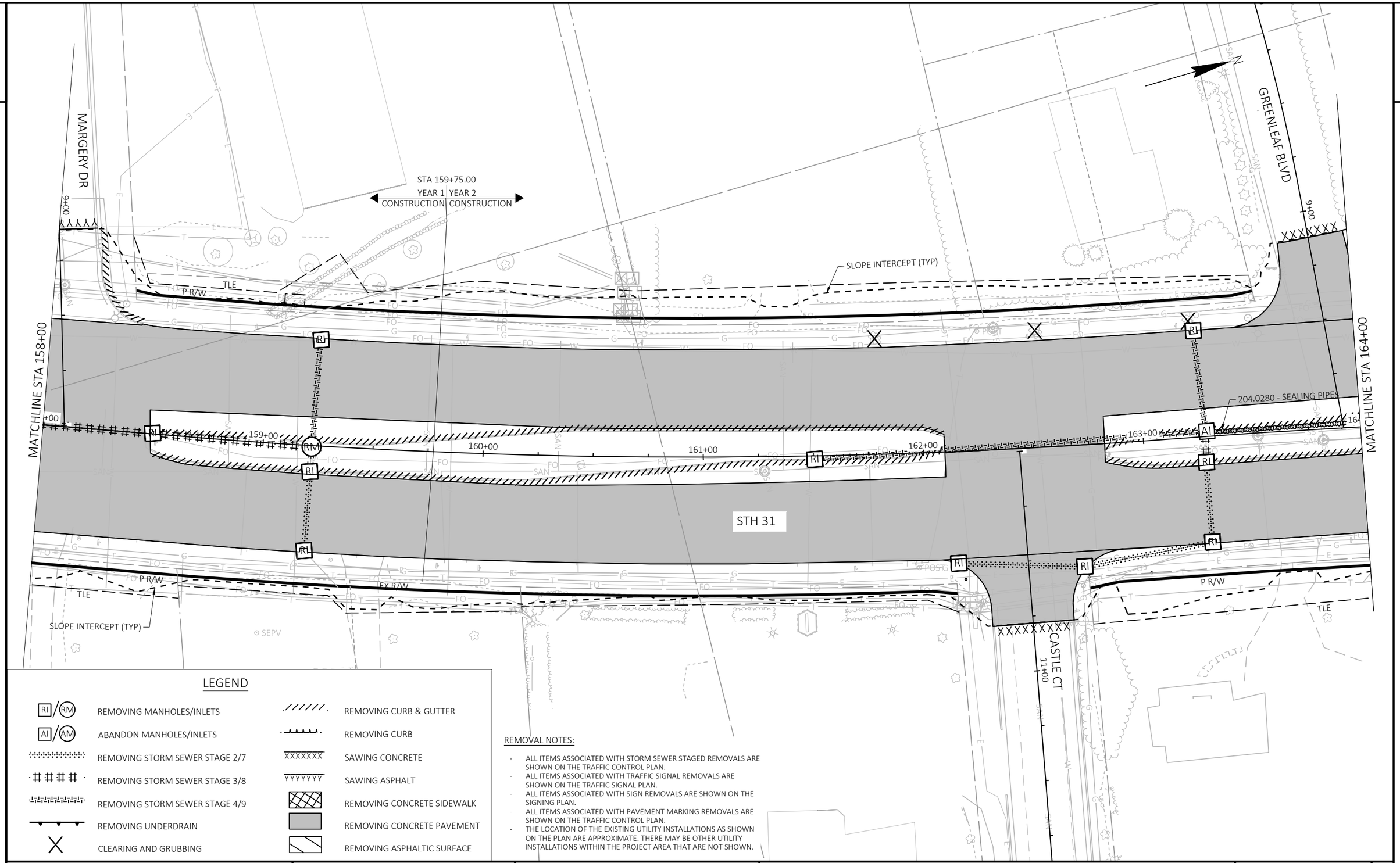
- RI / RM — REMOVING MANHOLES/INLETS
- AI / AM — ABANDON MANHOLES/INLETS
- REMOVING STORM SEWER STAGE 2/7
- REMOVING STORM SEWER STAGE 3/8
- REMOVING STORM SEWER STAGE 4/9
- REMOVING UNDERDRAIN
- CLEARING AND GRUBBING
- REMOVING CURB & GUTTER
- REMOVING CURB
- SAWING CONCRETE
- SAWING ASPHALT
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 33	E

2



LEGEND

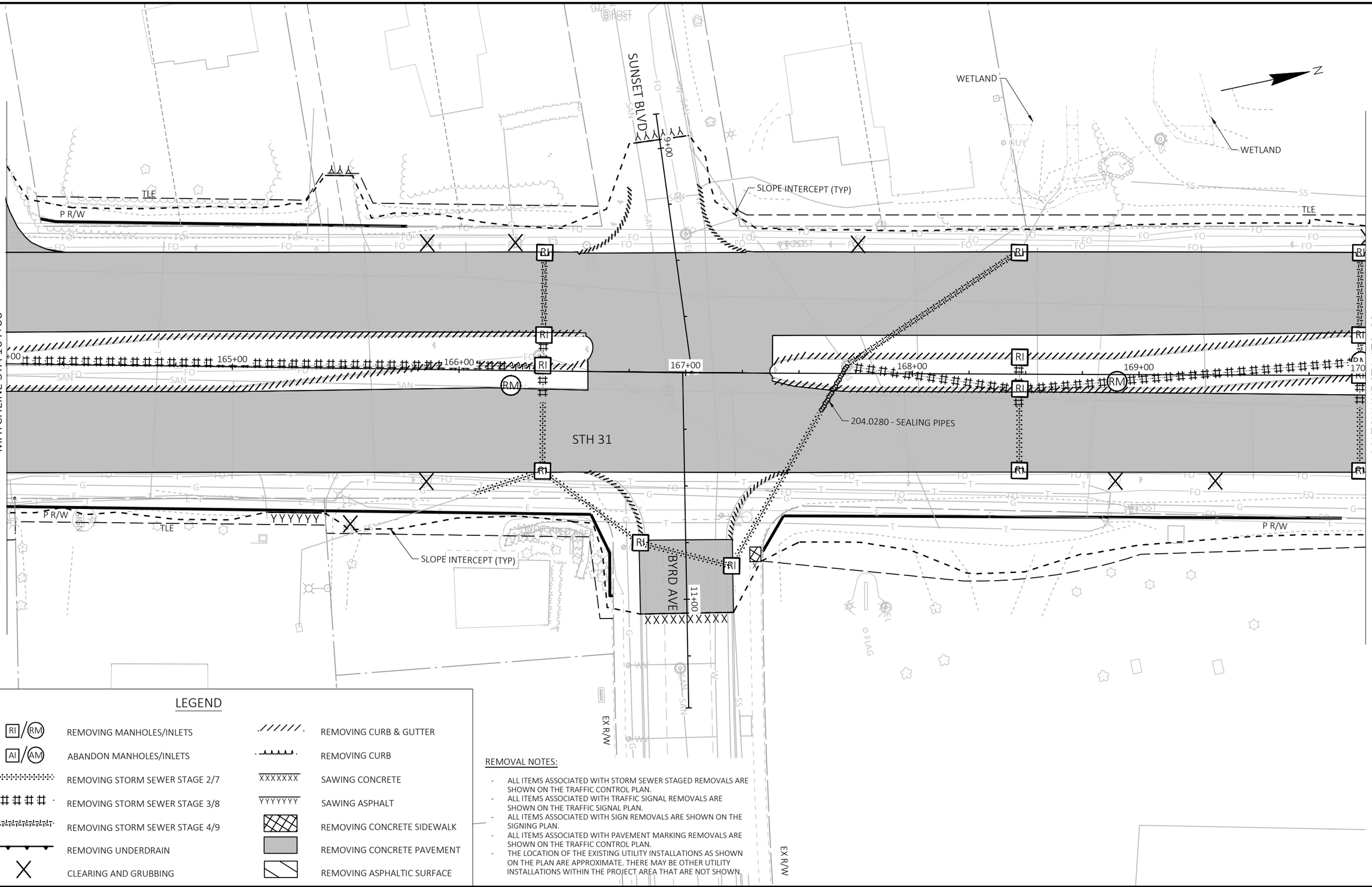
- RI/RM — REMOVING MANHOLES/INLETS
- AI/AM — ABANDON MANHOLES/INLETS
- REMOVING STORM SEWER STAGE 2/7
- REMOVING STORM SEWER STAGE 3/8
- REMOVING STORM SEWER STAGE 4/9
- REMOVING UNDERDRAIN
- CLEARING AND GRUBBING
- REMOVING CURB & GUTTER
- REMOVING CURB
- XXXXXXX — SAWING CONCRETE
- YYYYYYY — SAWING ASPHALT
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 34	E

2



LEGEND

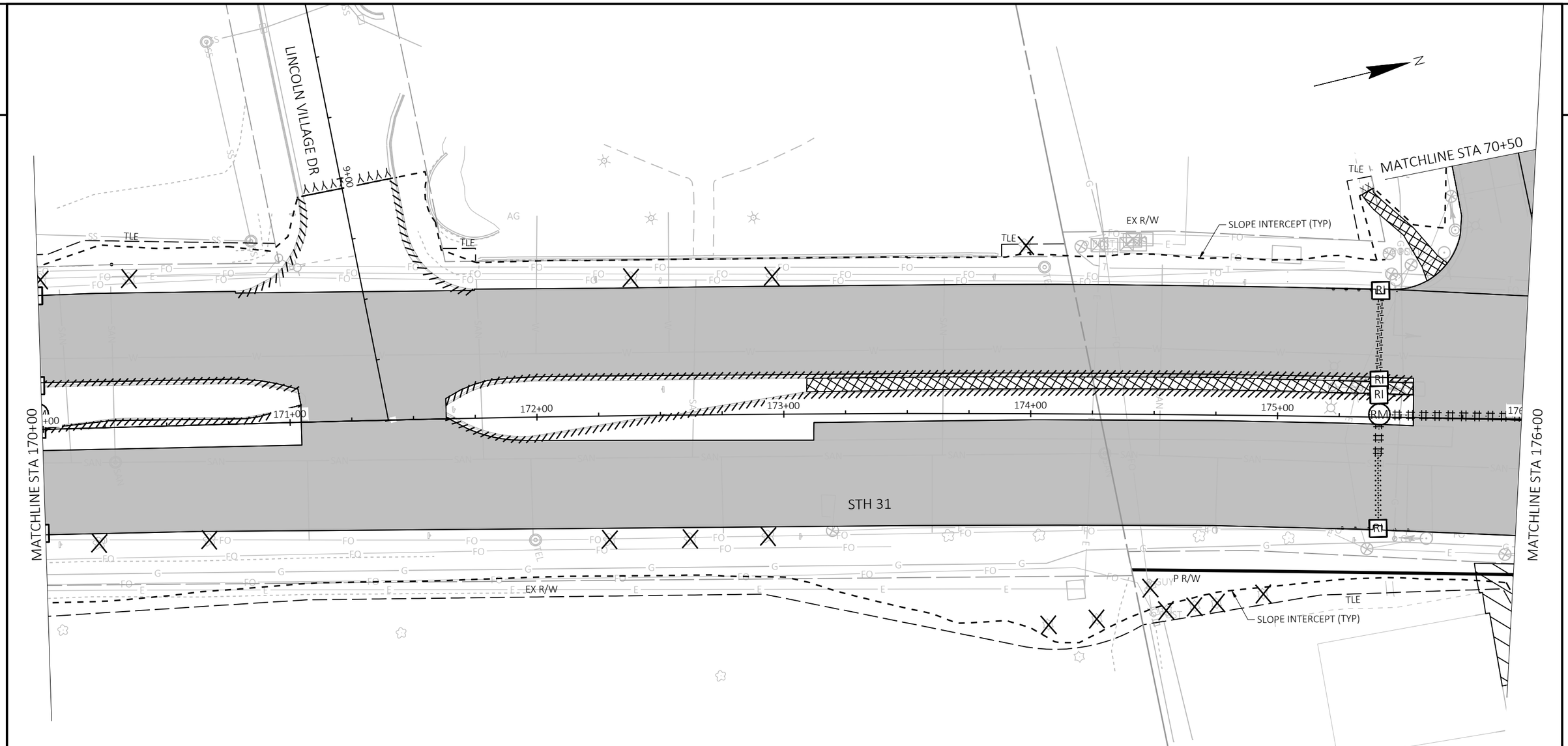
- REMOVING MANHOLES/INLETS
- ABANDON MANHOLES/INLETS
- REMOVING STORM SEWER STAGE 2/7
- REMOVING STORM SEWER STAGE 3/8
- REMOVING STORM SEWER STAGE 4/9
- REMOVING UNDERDRAIN
- CLEARING AND GRUBBING
- REMOVING CURB & GUTTER
- REMOVING CURB
- SAWING CONCRETE
- SAWING ASPHALT
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 35	E

2



LEGEND

RI/RM REMOVING MANHOLES/INLETS	REMOVING CURB & GUTTER
AI/AM ABANDON MANHOLES/INLETS	REMOVING CURB
REMOVING STORM SEWER STAGE 2/7	SAWING CONCRETE
REMOVING STORM SEWER STAGE 3/8	SAWING ASPHALT
REMOVING STORM SEWER STAGE 4/9	REMOVING CONCRETE SIDEWALK
REMOVING UNDERDRAIN	REMOVING CONCRETE PAVEMENT
CLEARING AND GRUBBING	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 36	E

2

MATCHLINE STA 70+50

16TH ST

HORIZON BLVD SOUTH (DWY)

STORMWATER POND

TLE

SLOPE INTERCEPT (TYP)

P R/W

STH 31 R/L

MATCHLINE STA 176+00

MATCHLINE STA 182+00

STH 31

SLOPE INTERCEPT (TYP)

SIGN

LANDSCAPED AREA

P R/W

TLE

MATCHLINE STA 11+00

LEGEND

RI/RM	REMOVING MANHOLES/INLETS
AI/AM	ABANDON MANHOLES/INLETS
	REMOVING STORM SEWER STAGE 2/7
	REMOVING STORM SEWER STAGE 3/8
	REMOVING STORM SEWER STAGE 4/9
	REMOVING UNDERDRAIN
	CLEARING AND GRUBBING
	REMOVING CURB & GUTTER
	REMOVING CURB
XXXXXXX	SAWING CONCRETE
YYYYYYY	SAWING ASPHALT
	REMOVING CONCRETE SIDEWALK
	REMOVING CONCRETE PAVEMENT
	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

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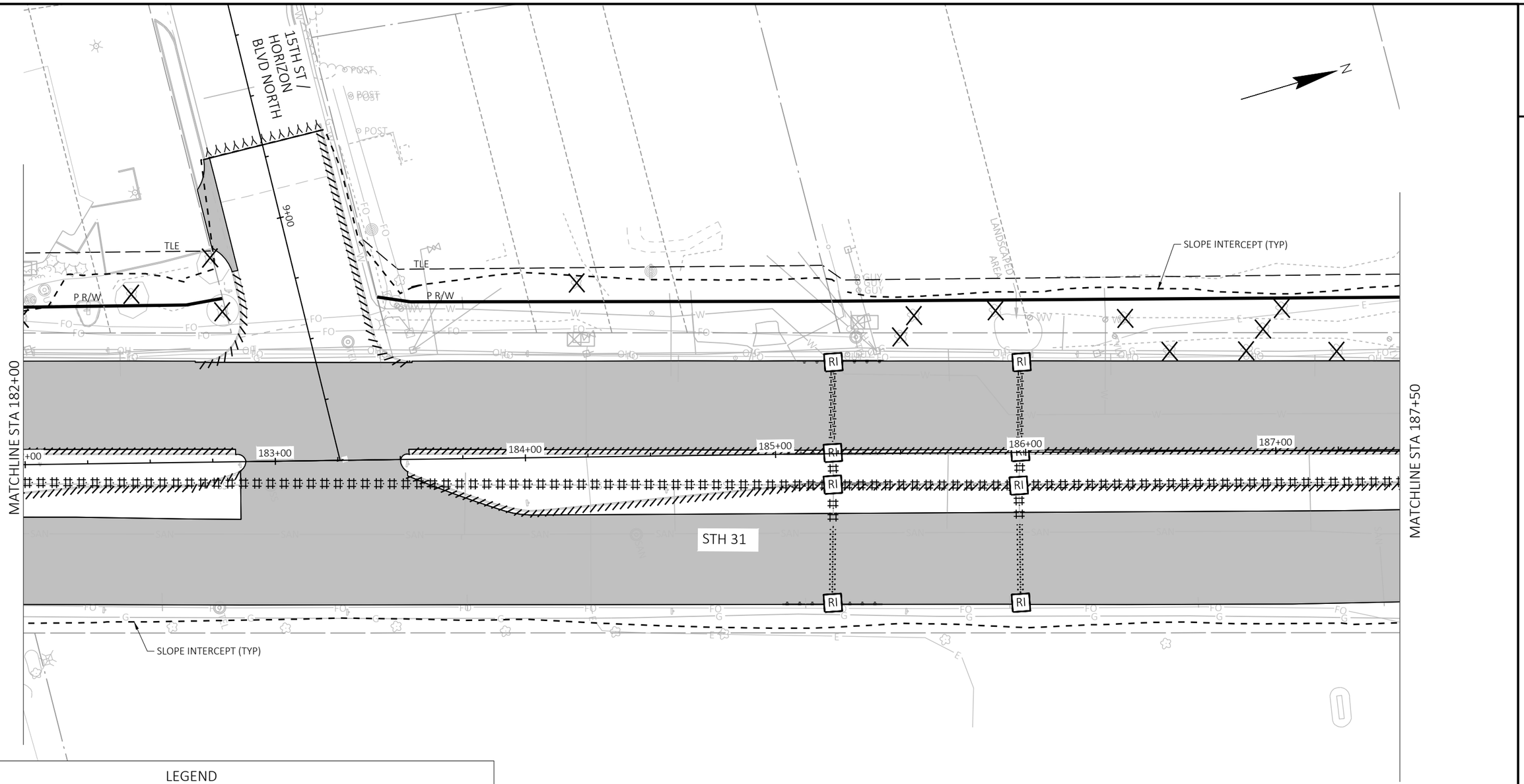
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 37	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 11

PLOT DATE : 7/16/2025 10:37 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

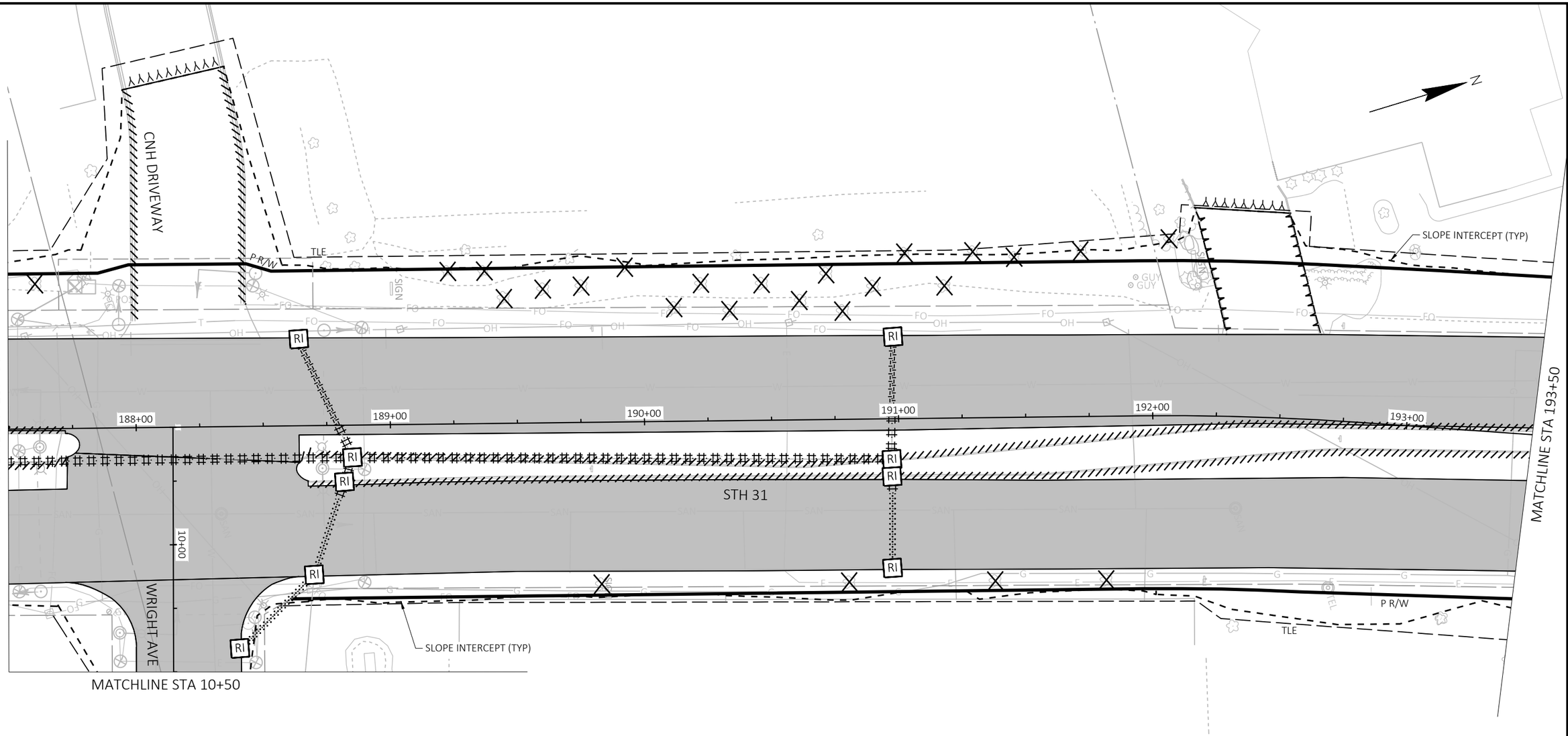
- RI / RM — REMOVING MANHOLES/INLETS
- AI / AM — ABANDON MANHOLES/INLETS
- REMOVING STORM SEWER STAGE 2/7
- REMOVING STORM SEWER STAGE 3/8
- REMOVING STORM SEWER STAGE 4/9
- REMOVING UNDERDRAIN
- CLEARING AND GRUBBING
- REMOVING CURB & GUTTER
- REMOVING CURB
- XXXXXXX — SAWING CONCRETE
- YYYYYYY — SAWING ASPHALT
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
- ALL ITEMS ASSOCIATED WITH SIGN REMOVALS ARE SHOWN ON THE SIGNING PLAN.
- ALL ITEMS ASSOCIATED WITH PAVEMENT MARKING REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 38	E

2



LEGEND

RI/RM	REMOVING MANHOLES/INLETS
AI/AM	ABANDON MANHOLES/INLETS
	REMOVING STORM SEWER STAGE 2/7
	REMOVING STORM SEWER STAGE 3/8
	REMOVING STORM SEWER STAGE 4/9
	REMOVING UNDERDRAIN
X	CLEARING AND GRUBBING
	REMOVING CURB & GUTTER
	REMOVING CURB
XXXXXXX	SAWING CONCRETE
YYYYYYY	SAWING ASPHALT
	REMOVING CONCRETE SIDEWALK
	REMOVING CONCRETE PAVEMENT
	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
- ALL ITEMS ASSOCIATED WITH SIGN REMOVALS ARE SHOWN ON THE SIGNING PLAN.
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- THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 39	E

2

1300 S GREEN BAY RD (DWY)

TLE

P R/W

SLOPE INTERCEPT (TYP)

SIGN

MATCHLINE STA 193+50

MATCHLINE STA 199+25

194+00 195+00 196+00 197+00 198+00 199+00

STH 31

RI

RM

P R/W

TLE

SLOPE INTERCEPT (TYP)

LEGEND

RI / RM — REMOVING MANHOLES/INLETS	REMOVING CURB & GUTTER
AI / AM — ABANDON MANHOLES/INLETS	REMOVING CURB
REMOVING STORM SEWER STAGE 2/7	SAWING CONCRETE
REMOVING STORM SEWER STAGE 3/8	SAWING ASPHALT
REMOVING STORM SEWER STAGE 4/9	REMOVING CONCRETE SIDEWALK
REMOVING UNDERDRAIN	REMOVING CONCRETE PAVEMENT
CLEARING AND GRUBBING	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 40	E

2

STH 20

STH 31

MATCHLINE STA 199+25

200+00

201+00

202+00

203+00

N

EX R/W

SLOPE INTERCEPT (TYP)

TLE

P R/W

RI

RM

REMOVING CURB & GUTTER
5' FOR LOOP DETECTORS

SLOPE INTERCEPT (TYP)

EX R/W

P R/W

TLE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
- ALL ITEMS ASSOCIATED WITH SIGN REMOVALS ARE SHOWN ON THE SIGNING PLAN.
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- THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

LEGEND

RI/RM	REMOVING MANHOLES/INLETS		REMOVING CURB & GUTTER
AI/AM	ABANDON MANHOLES/INLETS		REMOVING CURB
	REMOVING STORM SEWER STAGE 2/7	XXXXXXX	SAWING CONCRETE
	REMOVING STORM SEWER STAGE 3/8	YYYYYYY	SAWING ASPHALT
	REMOVING STORM SEWER STAGE 4/9		REMOVING CONCRETE SIDEWALK
	REMOVING UNDERDRAIN		REMOVING CONCRETE PAVEMENT
X	CLEARING AND GRUBBING		REMOVING ASPHALTIC SURFACE

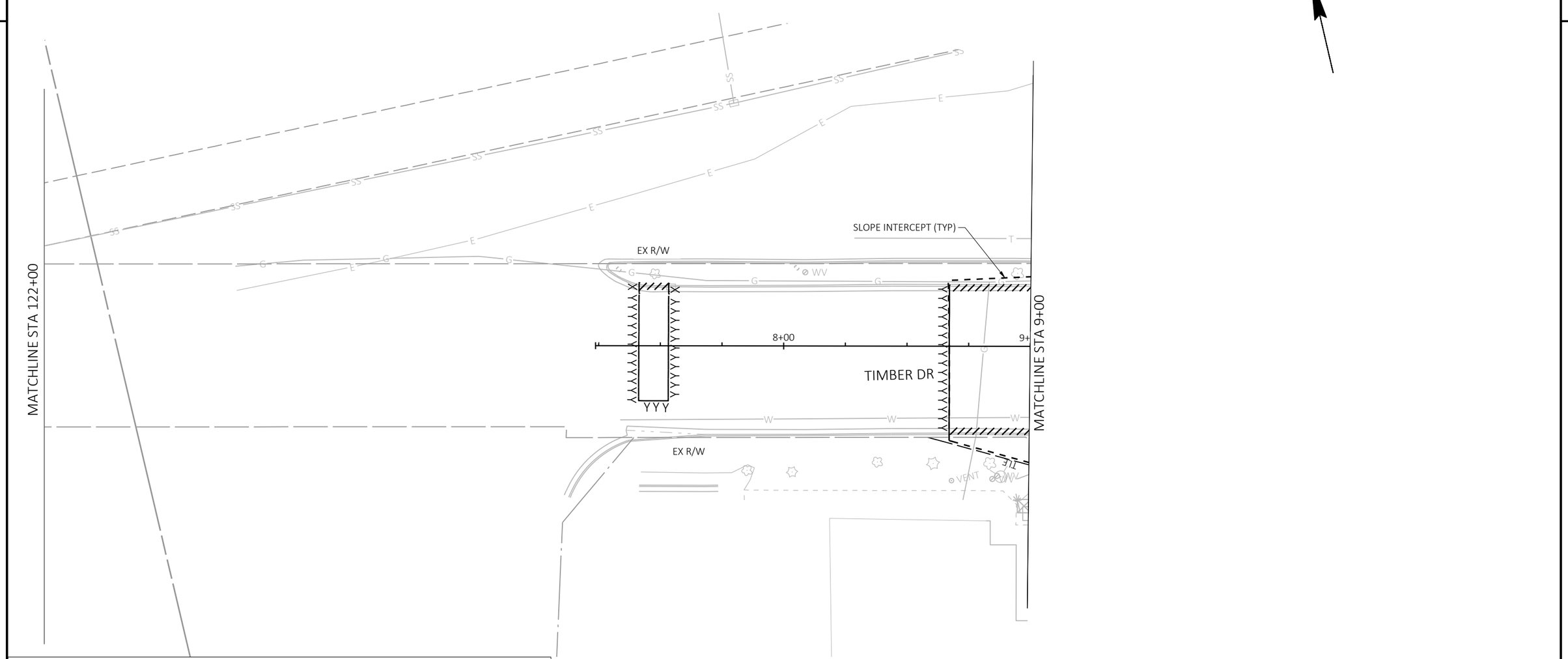
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 41	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 15

PLOT DATE : 7/16/2025 10:38 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

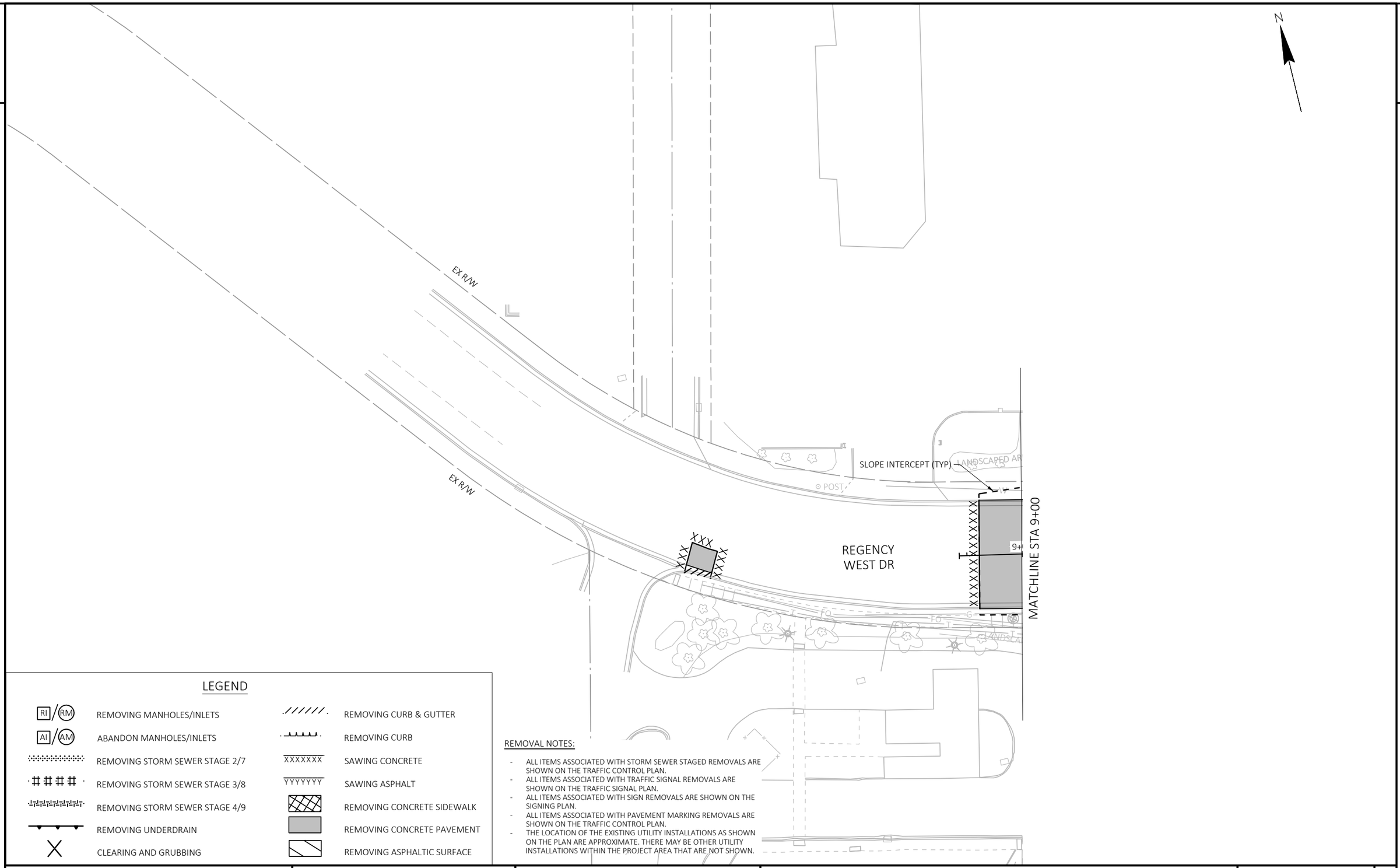
- RI / RM — REMOVING MANHOLES/INLETS
- AI / AM — ABANDON MANHOLES/INLETS
- REMOVING STORM SEWER STAGE 2/7
- REMOVING STORM SEWER STAGE 3/8
- REMOVING STORM SEWER STAGE 4/9
- REMOVING UNDERDRAIN
- CLEARING AND GRUBBING
- REMOVING CURB & GUTTER
- REMOVING CURB
- XXXXXXX — SAWING CONCRETE
- YYYYYYY — SAWING ASPHALT
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
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- THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 42	E

2



LEGEND

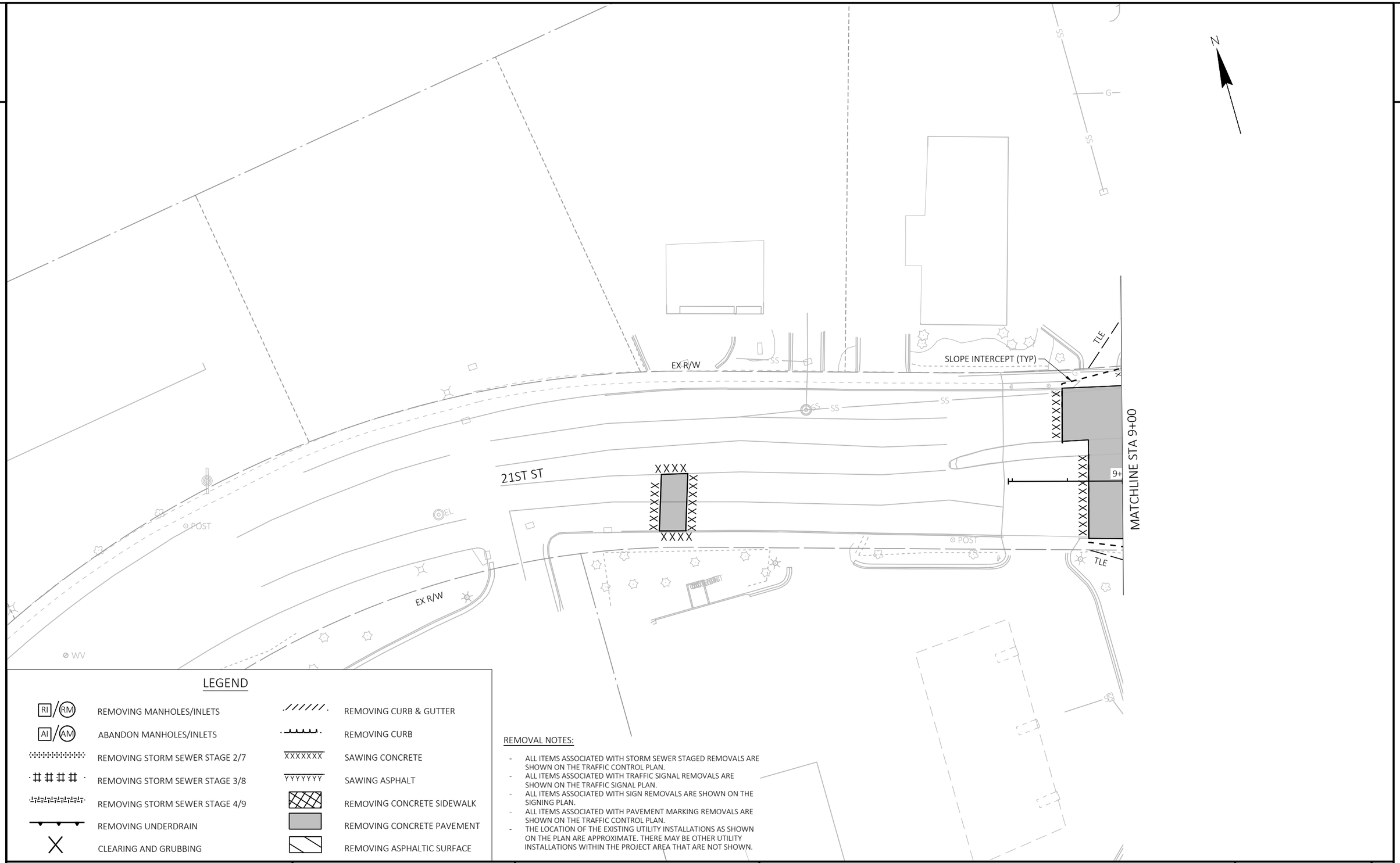
RI/RM	REMOVING MANHOLES/INLETS
AI/AM	ABANDON MANHOLES/INLETS
	REMOVING STORM SEWER STAGE 2/7
	REMOVING STORM SEWER STAGE 3/8
	REMOVING STORM SEWER STAGE 4/9
	REMOVING UNDERDRAIN
X	CLEARING AND GRUBBING
	REMOVING CURB & GUTTER
	REMOVING CURB
XXXXXXX	SAWING CONCRETE
YYYYYYY	SAWING ASPHALT
	REMOVING CONCRETE SIDEWALK
	REMOVING CONCRETE PAVEMENT
	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 43	E

2



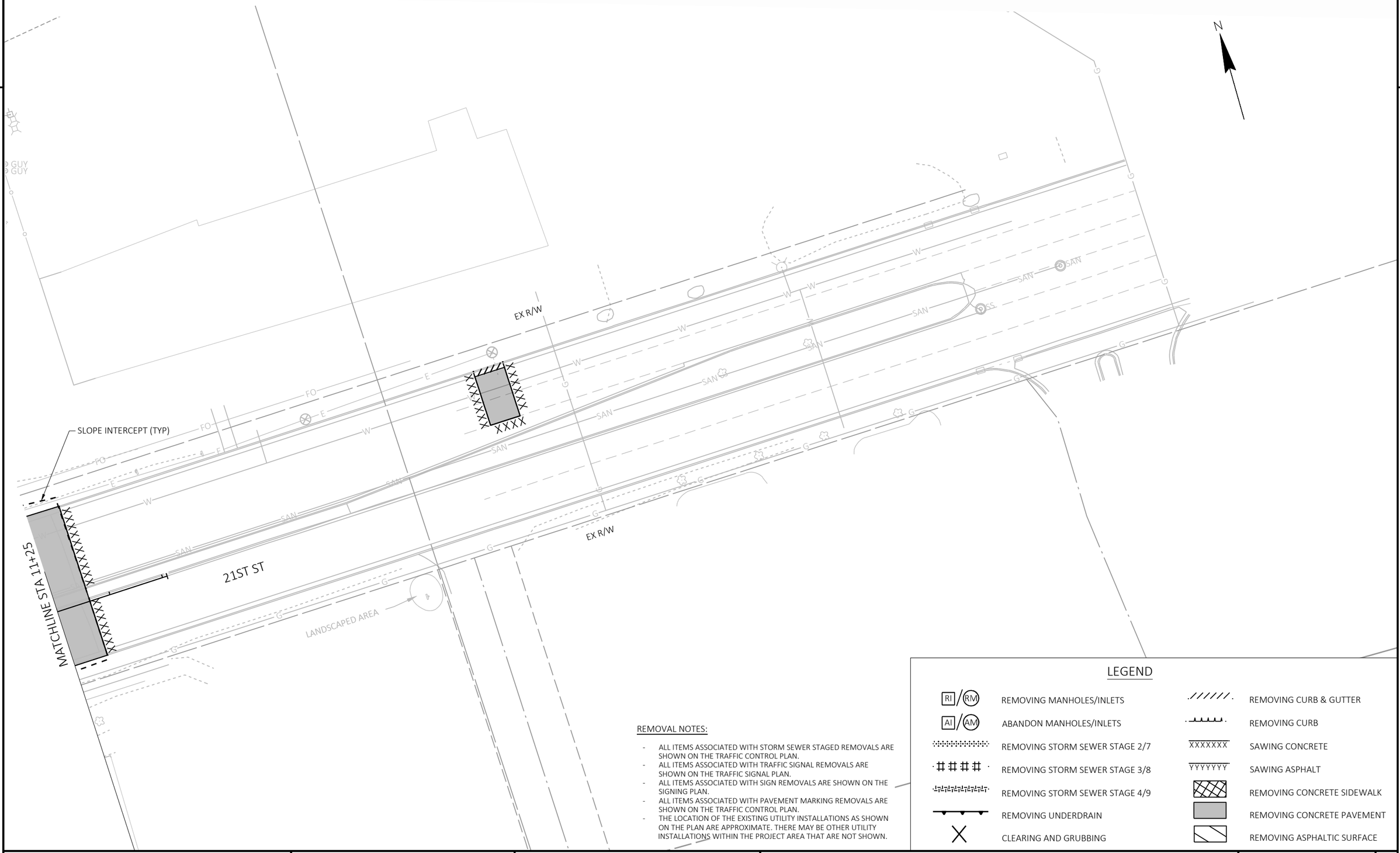
LEGEND

RI/RM REMOVING MANHOLES/INLETS	REMOVING CURB & GUTTER
AI/AM ABANDON MANHOLES/INLETS	REMOVING CURB
REMOVING STORM SEWER STAGE 2/7	XXXXXXX SAWING CONCRETE
REMOVING STORM SEWER STAGE 3/8	YYYYYYY SAWING ASPHALT
REMOVING STORM SEWER STAGE 4/9	REMOVING CONCRETE SIDEWALK
REMOVING UNDERDRAIN	REMOVING CONCRETE PAVEMENT
CLEARING AND GRUBBING	REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

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2



REMOVAL NOTES:

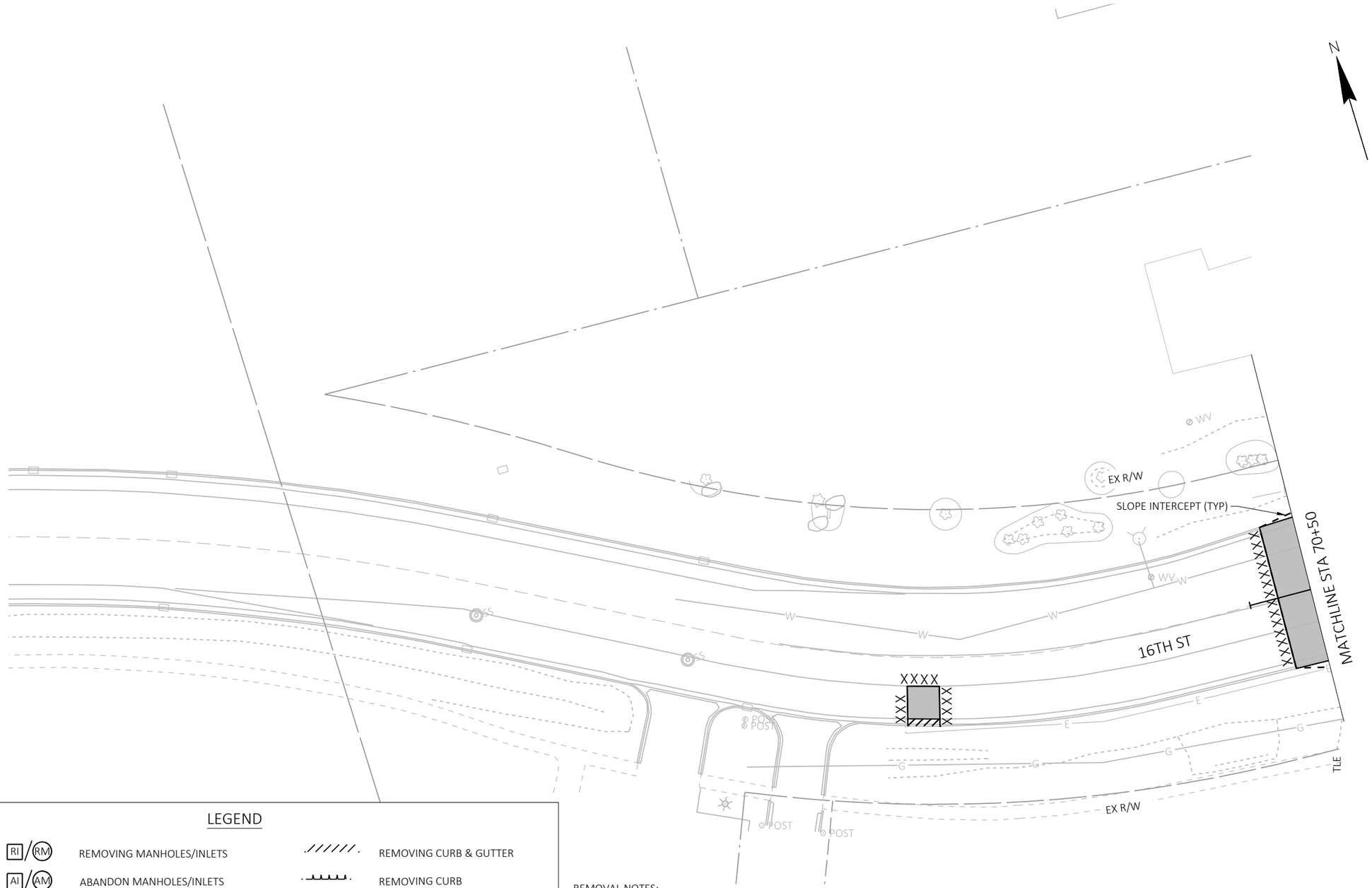
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LEGEND

RI/RM	REMOVING MANHOLES/INLETS		REMOVING CURB & GUTTER
AI/AM	ABANDON MANHOLES/INLETS		REMOVING CURB
	REMOVING STORM SEWER STAGE 2/7	XXXXXXX	SAWING CONCRETE
	REMOVING STORM SEWER STAGE 3/8	YYYYYYY	SAWING ASPHALT
	REMOVING STORM SEWER STAGE 4/9		REMOVING CONCRETE SIDEWALK
	REMOVING UNDERDRAIN		REMOVING CONCRETE PAVEMENT
X	CLEARING AND GRUBBING		REMOVING ASPHALTIC SURFACE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 45	E

2

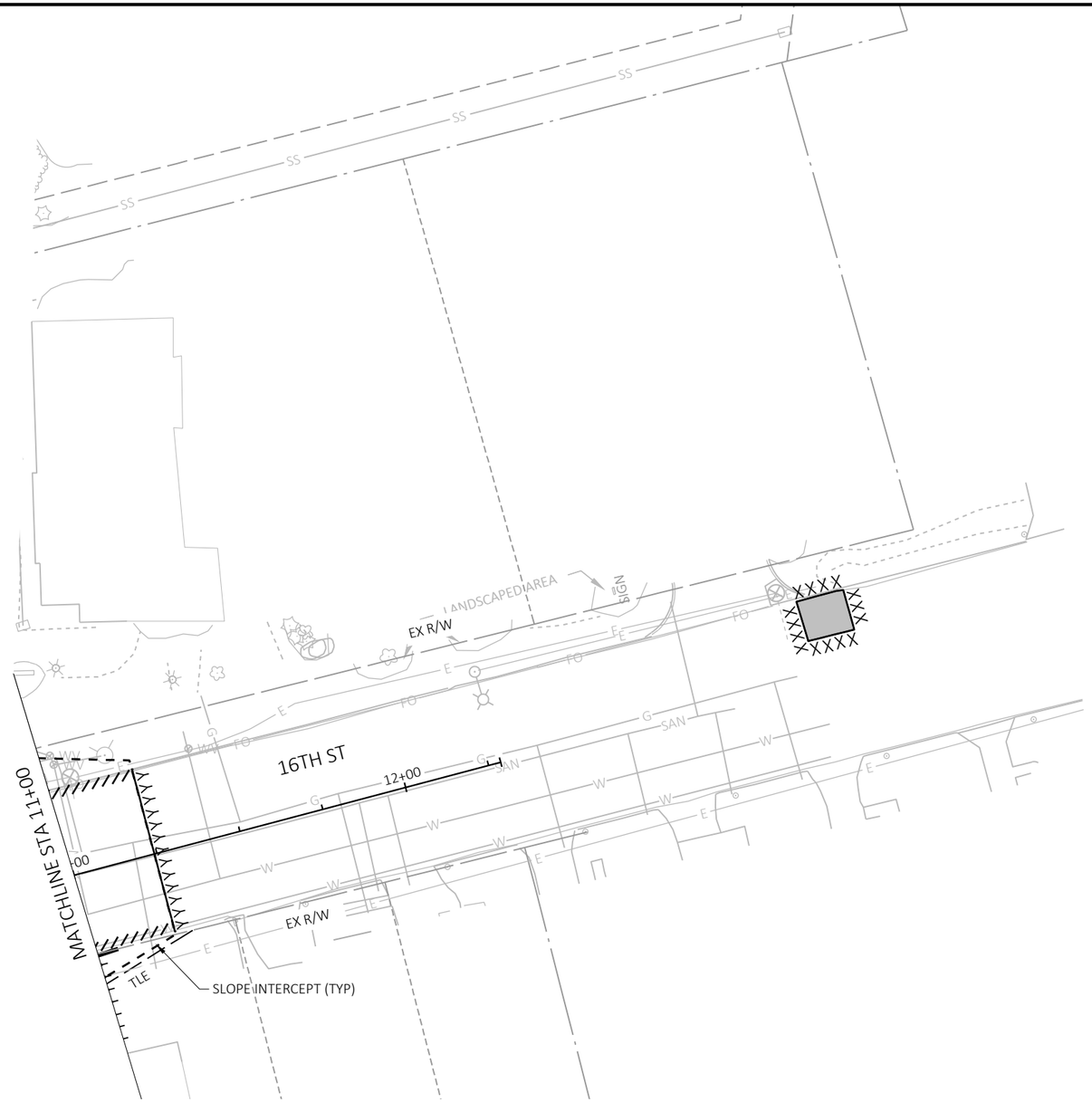


LEGEND

- REMOVING MANHOLES/INLETS
- ABANDON MANHOLES/INLETS
- REMOVING STORM SEWER STAGE 2/7
- REMOVING STORM SEWER STAGE 3/8
- REMOVING STORM SEWER STAGE 4/9
- REMOVING UNDERDRAIN
- CLEARING AND GRUBBING
- REMOVING CURB & GUTTER
- REMOVING CURB
- SAWING CONCRETE
- SAWING ASPHALT
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE

REMOVAL NOTES:

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REMOVAL NOTES:

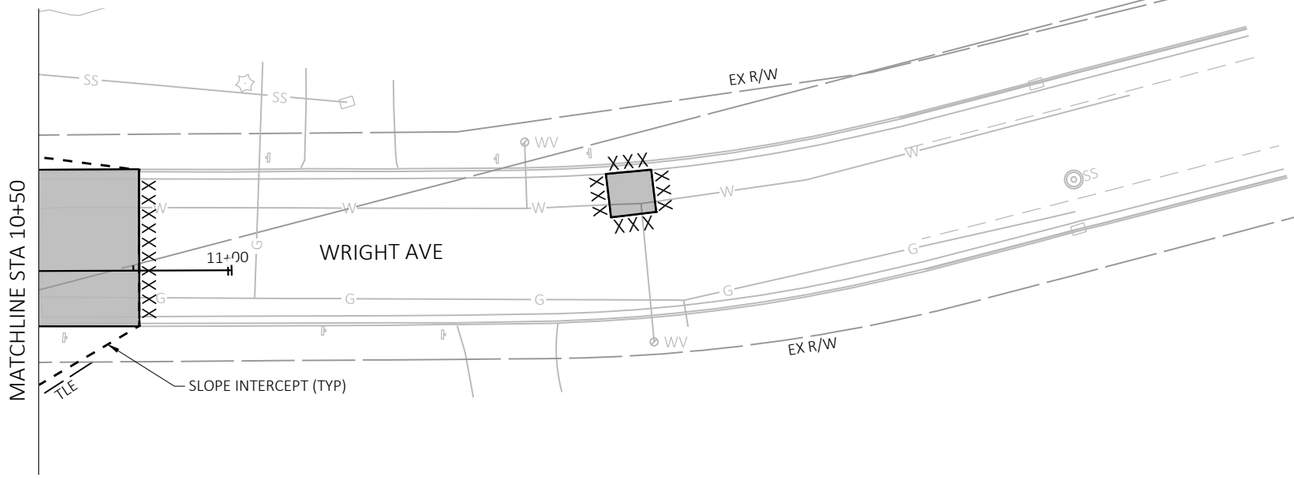
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LEGEND

RI/RM	REMOVING MANHOLES/INLETS		REMOVING CURB & GUTTER
AI/AM	ABANDON MANHOLES/INLETS		REMOVING CURB
	REMOVING STORM SEWER STAGE 2/7	XXXXXXX	SAWING CONCRETE
	REMOVING STORM SEWER STAGE 3/8	YYYYYYY	SAWING ASPHALT
	REMOVING STORM SEWER STAGE 4/9		REMOVING CONCRETE SIDEWALK
	REMOVING UNDERDRAIN		REMOVING CONCRETE PAVEMENT
X	CLEARING AND GRUBBING		REMOVING ASPHALTIC SURFACE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 47	E

2



REMOVAL NOTES:

- ALL ITEMS ASSOCIATED WITH STORM SEWER STAGED REMOVALS ARE SHOWN ON THE TRAFFIC CONTROL PLAN.
- ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNAL REMOVALS ARE SHOWN ON THE TRAFFIC SIGNAL PLAN.
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LEGEND

RI / RM	REMOVING MANHOLES/INLETS
AI / AM	ABANDON MANHOLES/INLETS
	REMOVING STORM SEWER STAGE 2/7
	REMOVING STORM SEWER STAGE 3/8
	REMOVING STORM SEWER STAGE 4/9
	REMOVING UNDERDRAIN
X	CLEARING AND GRUBBING
	REMOVING CURB & GUTTER
	REMOVING CURB
XXXXXXX	SAWING CONCRETE
YYYYYYY	SAWING ASPHALT
	REMOVING CONCRETE SIDEWALK
	REMOVING CONCRETE PAVEMENT
	REMOVING ASPHALTIC SURFACE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	REMOVAL PLAN	SHEET 48	E

2

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
99	120+92.45	9.00 RT	175288.14	620825.16	3.00'

N

STH 11

STH 31

SIGN

SIGN

SIGN

TLE

EX R/W

CG30

CONC. PAVT. HES 8-1/2 INCH

CP81/2

10'

11'

BEGIN PROJECT
STA 120+67.35
MATCH EXISTING
SAW CUT REQ'D

BP: 117+57.34

118+00

119+00

120+00

121+00

122

STH 31 R/L

99

CS05

CG30

CP81/2

CG30

CP81/2

CP81/2

+94.07
49.01'RT

CONC. PAVT. HES 8-1/2 INCH

+65.01
64.00'RT

CS05

EX R/W

+29.24
84.96'RT

MATCHLINE STA 128+00

0+00.00

LEGEND

AD01	ASHPHALT DRIVEWAY				
CD06	CONCRETE DRIVEWAY 6-INCH	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD08	CONCRETE DRIVEWAY 8-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	CS05	CONCRETE SIDEWALK 5-INCH		
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 49	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd
PLOT DATE : 11/21/2025 2:52 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1.0000 '/ IN
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE						STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
100	125+54.08	-101.00 LT	175762.68	620821.49	48.00'	110	127+06.84	-91.00 LT	175909.30	620865.49	40.00'
101	125+61.61	61.00 RT	175733.69	620981.05	75.00'	111	126+78.20	-12.00 LT	175863.68	620936.05	2.00'
102	125+78.46	-9.00 LT	175765.81	620916.61	3.00'	112	126+79.25	-7.00 LT	175863.58	620941.16	3.00'
103	125+86.92	-69.00 LT	175787.51	620860.04	75.00'	113	126+96.80	69.00 RT	175863.64	621019.16	75.00'
104	126+08.35	6.00 RT	175791.57	620937.93	3.00'	114	127+04.49	9.00 RT	175884.59	620962.42	3.00'
105	126+09.35	12.00 RT	175791.20	620944.00	2.00'	115	127+21.34	-61.00 LT	175916.71	620897.98	75.00'
106	125+83.40	80.00 RT	175750.66	621004.45	29.00'	116	127+09.10	89.00 RT	175871.14	621041.41	38.00'
107	124+82.18	78.25 RT	175652.42	620980.05	132.12'	117	124+82.18	78.25 RT	175652.42	620980.05	166.12'
108	124+82.18	78.25 RT	175652.42	620980.05	154.12'	118	124+82.18	78.25 RT	175652.42	620979.27	187.62'
109	126+42.18	71.89 RT	175809.76	621009.73	6.00'						

MATCHLINE STA 122+00

MATCHLINE STA 9+00

MATCHLINE STA 128+00

STH 31

EX R/W

CONC. PAVT. HES 8-1/2 INCH

11:1 TAPER

CONC. PAVT. HES 8-1/2 INCH AND CONCRETE PAVEMENT GAP REQ'D

TIMBER DR R/L

STH 31 R/L

REGENCY MALL ENT SOUTH R/L

REGENCY MALL ENT SOUTH

PLE

TLE

P R/W

+03.18 -59.00'LT

+03.18 -49.00'LT

+03.10 -38.00'LT

+03.10 -27.00'LT

+93.02 6.00'RT

+93.63 12.00'RT

+01.11 -46.00'LT

+01.03 -35.00'LT

+00.94 -24.00'LT

+00.94 -14.00'LT

+00.99 -7.50'LT

+66.09 -74.02'LT

+64.59 -69.06'LT

+64.65 -64.06'LT

+67.45 -90.17'LT

+12.10 -59.00'LT

+78.43 24.45'RT

+86.48 -35.00'LT

+13.51 0.00'

+13.51 -10.50'LT

+13.51 23.57'RT

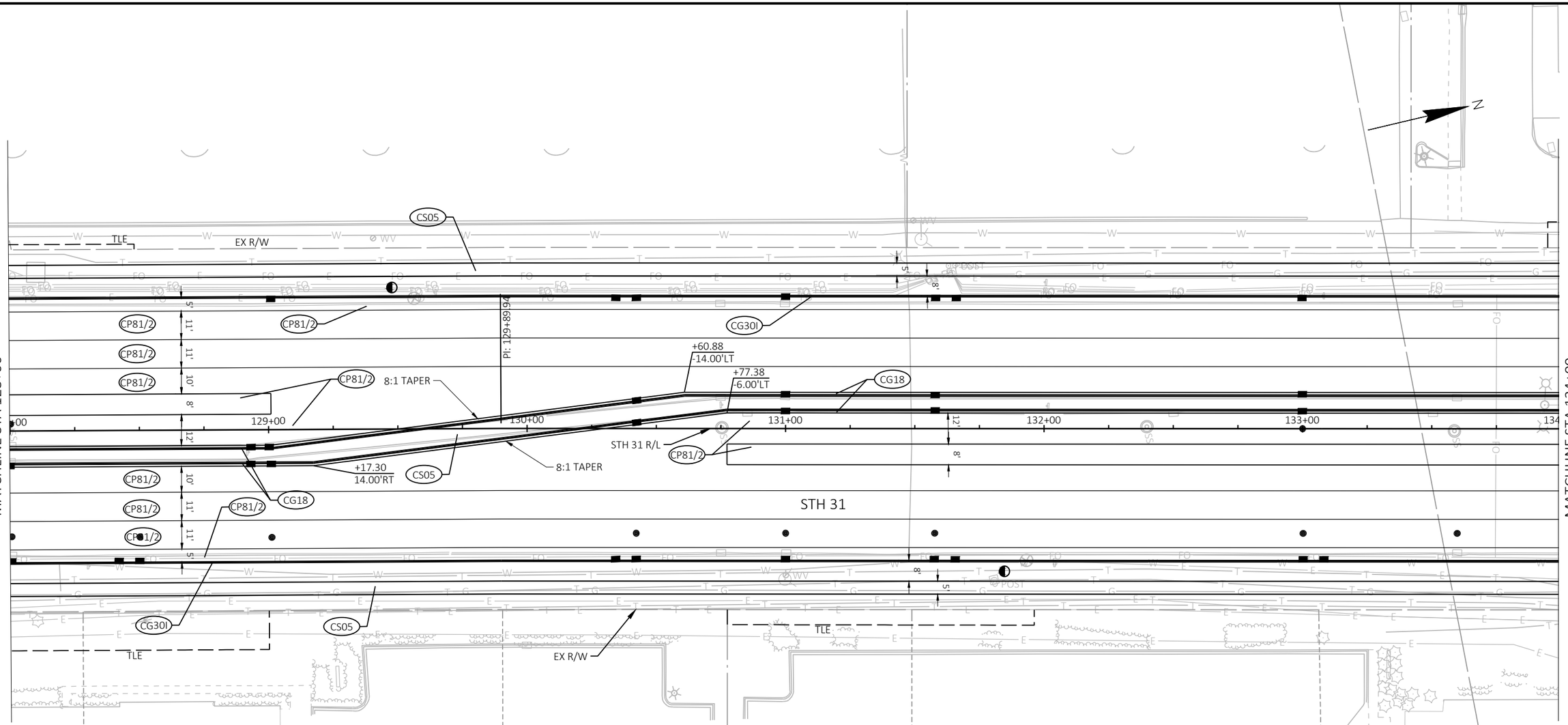
+13.51 -35.00'LT

LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 50	E

2



LEGEND

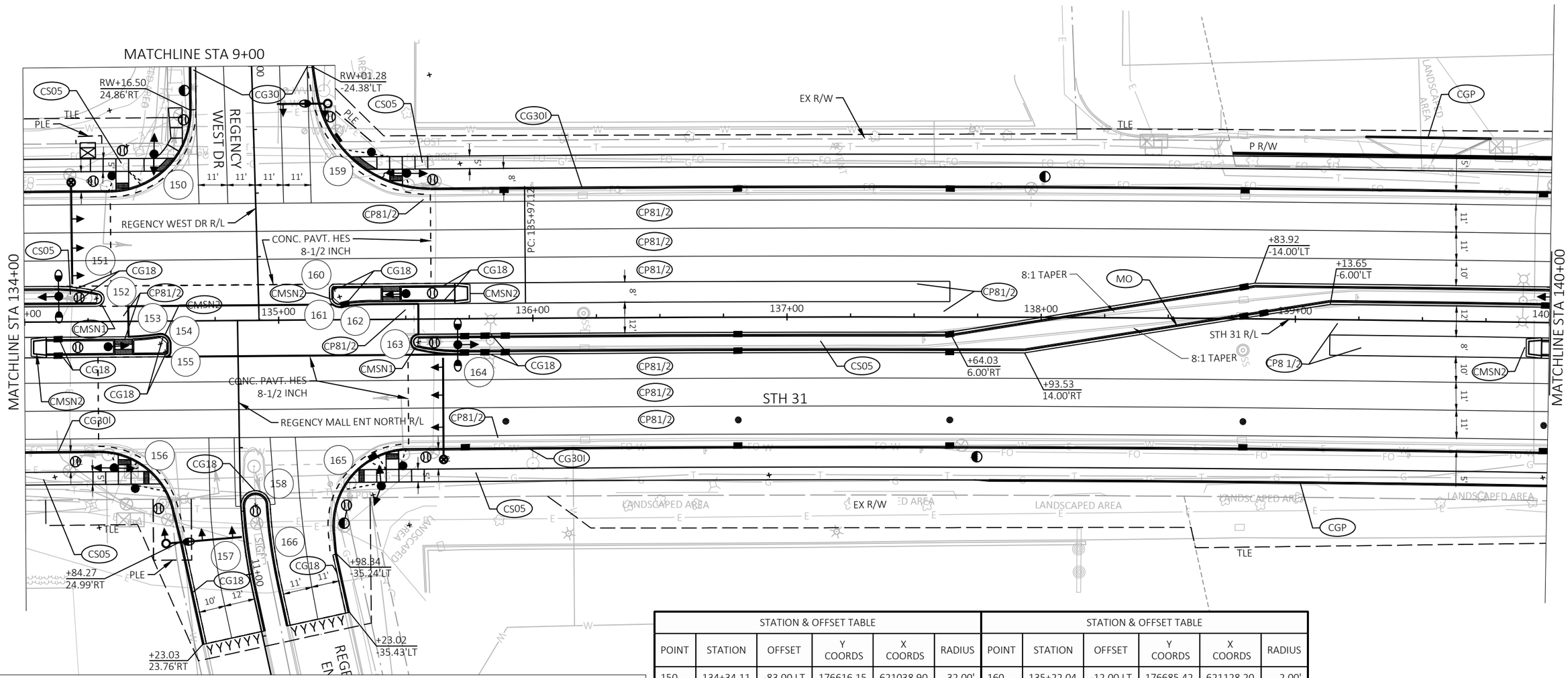
AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 51	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 11/21/2025 2:54 PM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
150	134+34.11	-83.00 LT	176616.15	621038.90	32.00'
151	134+11.47	61.00 RT	176561.03	621173.85	75.00'
152	134+28.32	-9.00 LT	176593.51	621109.59	3.00'
153	134+40.83	-69.00 LT	176619.47	621054.07	75.00'
154	134+53.36	9.00 RT	176613.75	621132.86	4.00'
155	134+55.36	12.00 RT	176615.01	621136.24	2.00'
156	134+28.75	81.00 RT	176573.26	621197.29	30.00'
157	136+92.79	62.16 RT	176834.15	621239.79	208.19'
158	134+90.25	72.74 RT	176635.01	621203.38	5.75'
159	135+60.04	-96.00 LT	176741.69	621055.17	45.00'

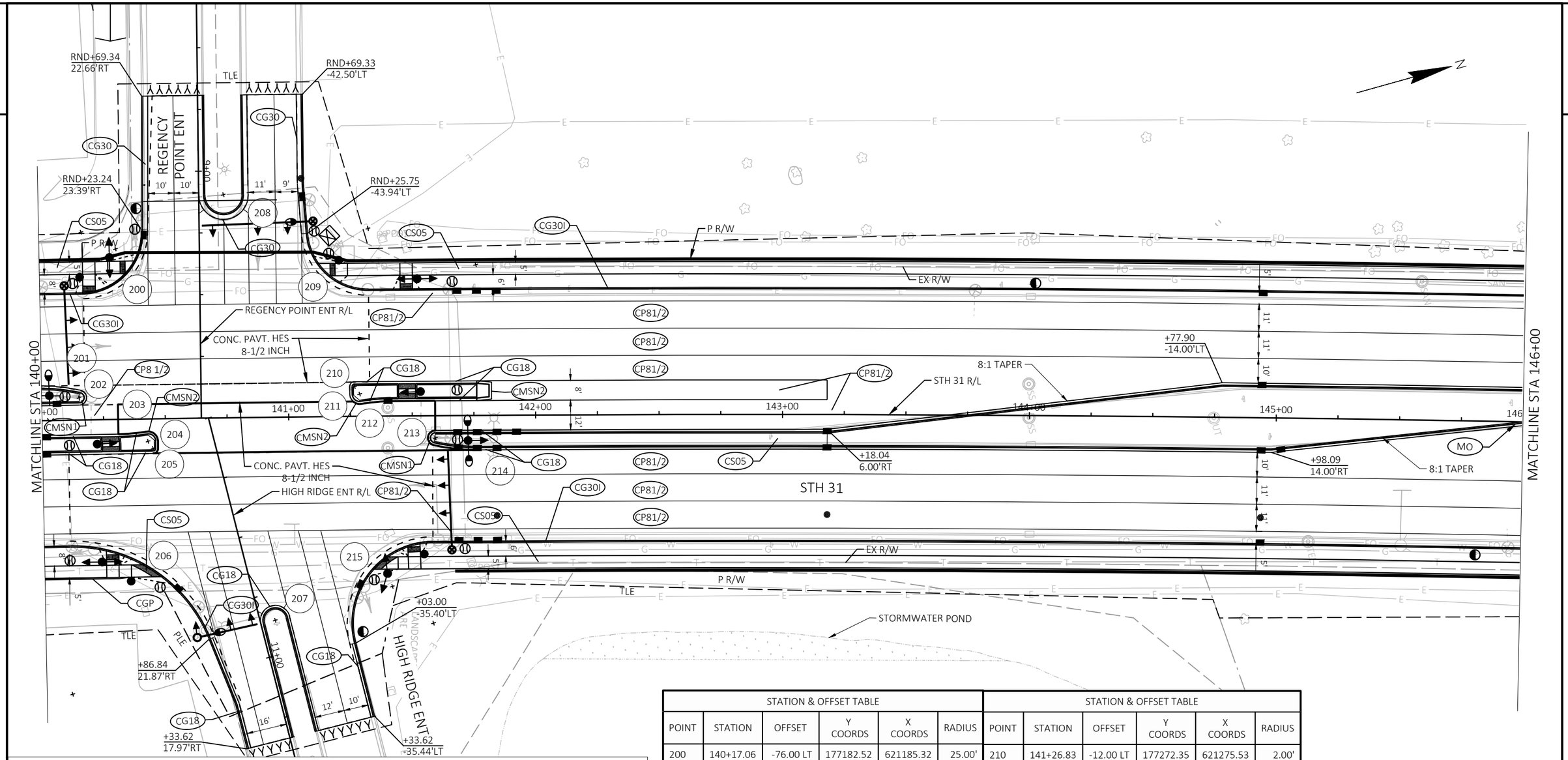
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
160	135+22.04	-12.00 LT	176685.42	621128.20	2.00'
161	135+24.04	-9.00 LT	176686.68	621131.58	4.00'
162	135+36.57	69.00 RT	176680.95	621210.37	75.00'
163	135+54.96	9.00 RT	176712.63	621156.20	3.00'
164	135+71.81	-61.00 LT	176745.11	621091.94	75.00'
165	135+50.74	81.00 RT	176691.99	621225.31	30.00'
166	136+92.79	62.16 RT	176834.15	621239.79	196.69'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 52	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd
PLOT DATE : 11/21/2025 2:55 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

AD01	ASHPHALT DRIVEWAY
CD06	CONCRETE DRIVEWAY 6-INCH
CD08	CONCRETE DRIVEWAY 8-INCH
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
XXXXX	SAWING CONCRETE
CP6	CONCRETE PAVEMENT 6-INCH
CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)
CP9	CONCRETE PAVEMENT 9-INCH
MO	MAINTENANCE OPENING
CGP	CONCRETE CURB PEDESTRIAN
CS05	CONCRETE SIDEWALK 5-INCH
YYYYY	SAWING ASPHALT
BASE	BASE PATCHING CONCRETE
ASPH	ASPHALTIC SURFACE
CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
200	140+17.06	-76.00 LT	177182.52	621185.32	25.00'
201	139+98.32	61.00 RT	177129.57	621313.06	75.00'
202	140+15.20	-9.00 LT	177163.65	621249.64	3.00'
203	140+30.92	-69.00 LT	177194.19	621195.64	75.00'
204	140+46.21	8.50 RT	177185.84	621274.19	4.00'
205	140+48.21	12.00 RT	177187.02	621277.53	2.00'
206	140+10.69	111.00 RT	177128.79	621364.55	60.00'
207	140+93.58	82.21 RT	177215.82	621357.87	6.00'
208	140+74.69	-90.33 LT	177242.17	621186.31	10.00'
209	141+32.78	-76.00 LT	177294.83	621215.31	25.00'

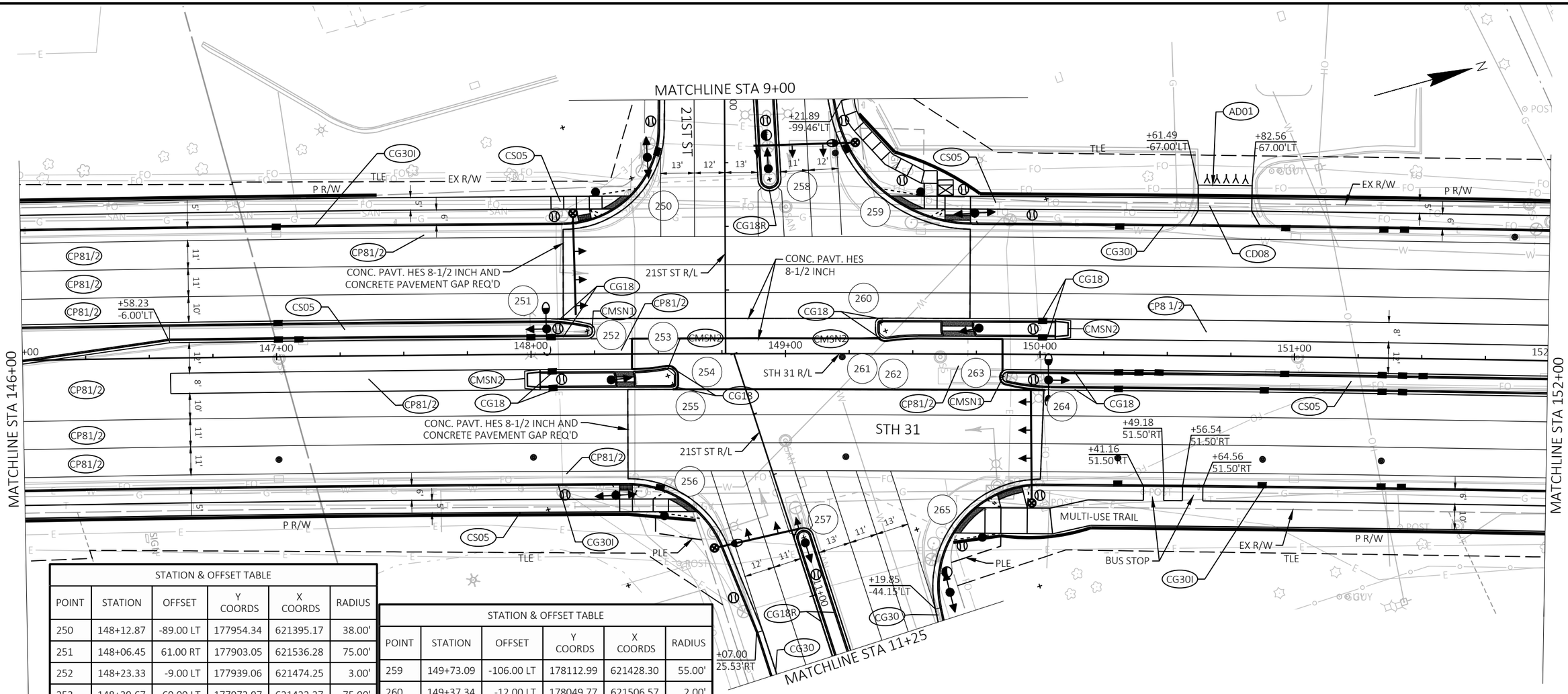
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
210	141+26.83	-12.00 LT	177272.35	621275.53	2.00'
211	141+28.83	-9.00 LT	177273.50	621278.95	4.00'
212	141+41.38	69.00 RT	177265.19	621357.51	75.00'
213	141+59.33	9.00 RT	177298.22	621304.31	3.00'
214	141+76.15	-61.00 LT	177332.92	621241.23	75.00'
215	141+58.04	84.00 RT	177277.26	621376.34	33.00'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 53	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 11/21/2025 2:55 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
250	148+12.87	-89.00 LT	177954.34	621395.17	38.00'
251	148+06.45	61.00 RT	177903.05	621536.28	75.00'
252	148+23.33	-9.00 LT	177939.06	621474.25	3.00'
253	148+39.67	-69.00 LT	177973.97	621422.37	75.00'
254	148+59.35	7.50 RT	177963.88	621500.72	4.00'
255	148+61.35	12.00 RT	177964.79	621504.45	2.00'
256	148+37.95	91.00 RT	177923.88	621574.34	40.00'
257	149+07.26	72.22 RT	177995.29	621577.47	3.75'
258	148+93.71	-68.43 LT	178025.48	621439.43	4.50'

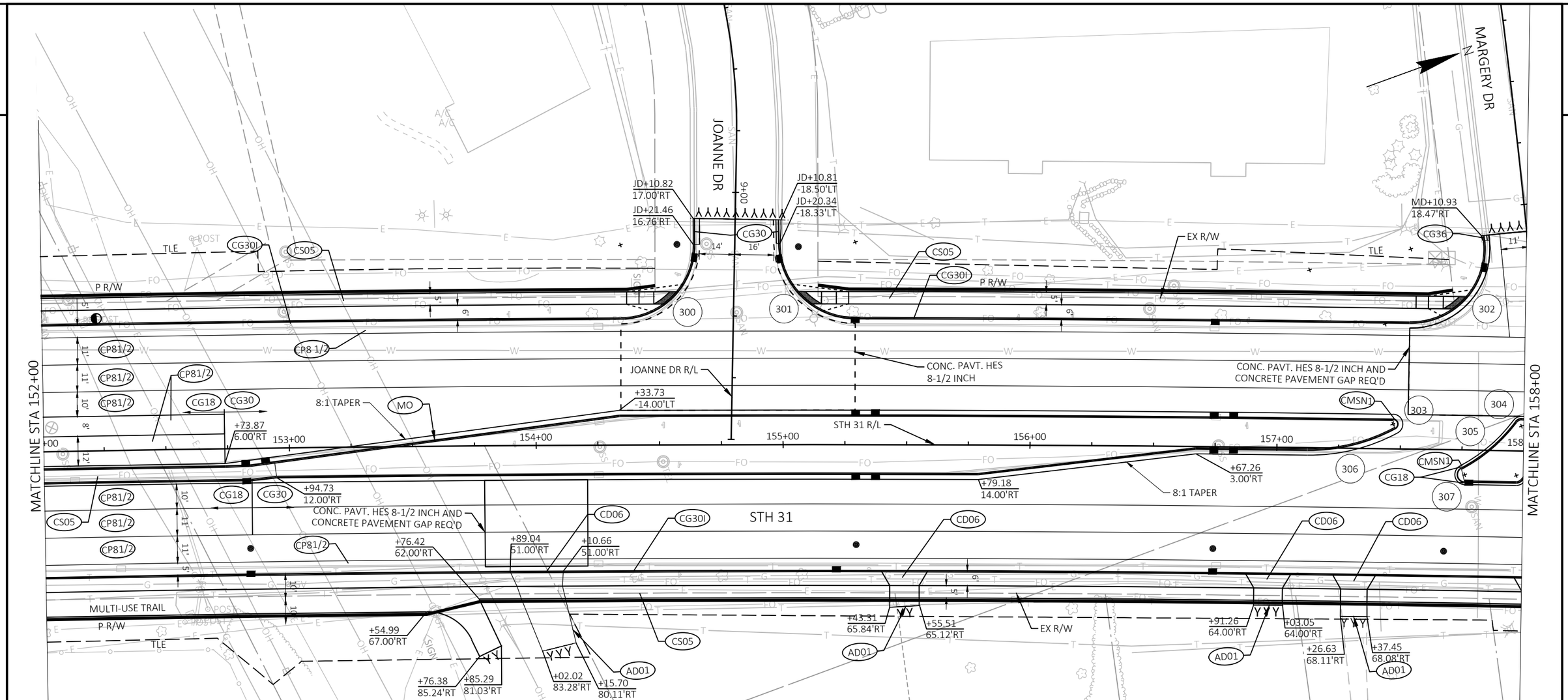
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
259	149+73.09	-106.00 LT	178112.99	621428.30	55.00'
260	149+37.34	-12.00 LT	178049.77	621506.57	2.00'
261	149+39.34	-9.00 LT	178050.75	621510.04	4.00'
262	149+51.89	69.00 RT	178038.56	621588.10	75.00'
263	149+85.23	9.00 RT	178088.80	621541.38	3.00'
264	150+02.06	-61.00 LT	178126.64	621480.13	75.00'
265	150+00.45	91.00 RT	178077.65	621624.02	40.00'

LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 54	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd
PLOT DATE : 11/21/2025 2:56 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
300	154+34.50	-81.00 LT	178543.90	621602.27	30.00'
301	155+29.14	-82.00 LT	178633.68	621633.67	31.00'
302	157+53.08	-81.00 LT	178844.23	621713.18	30.00'
303	157+46.82	-10.00 LT	178813.13	621777.31	4.00'
304	157+98.91	-10.00 LT	178861.82	621795.90	4.00'
305	157+43.16	-50.51 LT	178824.08	621738.14	65.00'
306	157+12.31	-72.00 LT	178802.73	621707.08	75.00'
307	157+76.27	10.00 RT	178833.53	621806.49	4.00'
308	157+97.16	10.00 RT	178853.03	621813.95	4.00'

LEGEND

- AD01 ASHPHALT DRIVEWAY
- CD06 CONCRETE DRIVEWAY 6-INCH
- CD08 CONCRETE DRIVEWAY 8-INCH
- CG18 CONCRETE CURB & GUTTER 18-INCH TYPE A
- CG18R CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE
- CG30 CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG30I CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
- XXXXX SAWING CONCRETE
- CP6 CONCRETE PAVEMENT 6-INCH
- CP81/2 CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)
- CP9 CONCRETE PAVEMENT 9-INCH
- MO MAINTENANCE OPENING
- CGP CONCRETE CURB PEDESTRIAN
- CS05 CONCRETE SIDEWALK 5-INCH
- YYYYY SAWING ASPHALT
- BASE BASE PATCHING CONCRETE
- ASPH ASPHALTIC SURFACE
- CMSN1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CMSN2 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CG36 CONCRETE CURB 4 GUTTER 36-INCH TYPE A

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 55	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
350	158+47.65	-79.00 LT	178932.17	621749.06	28.00'
351	158+36.32	-12.00 LT	178897.48	621807.48	2.00'
352	158+50.80	53.40 RT	178887.48	621873.73	65.00'
353	158+84.71	72.00 RT	178913.32	621903.38	75.00'
354	158+50.59	10.00 RT	178902.88	621833.15	4.00'
355	162+65.46	-10.00 LT	179305.27	621934.56	4.00'
356	163+02.04	59.88 RT	179326.27	622010.72	75.00'
357	162+41.46	10.00 RT	179277.39	621948.66	4.00'
358	161+99.36	81.00 RT	179219.07	622007.55	30.00'
359	163+28.90	72.00 RT	179350.01	622028.19	75.00'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
360	162+94.33	10.00 RT	179329.15	621960.32	4.00'
361	162+87.62	76.00 RT	179308.51	622023.38	25.00'
362	163+37.45	-81.00 LT	179390.37	621880.36	30.00

NOTE: TEMPORARY PROFILE REQUIRED ON STH 31 SOUTHBOUND AFTER YEAR 1, STA 159+75 TO STA 160+50.62; SEE PLAN & PROFILE SHEETS

STA 159+75.00
YEAR 1 CONSTRUCTION | YEAR 2 CONSTRUCTION

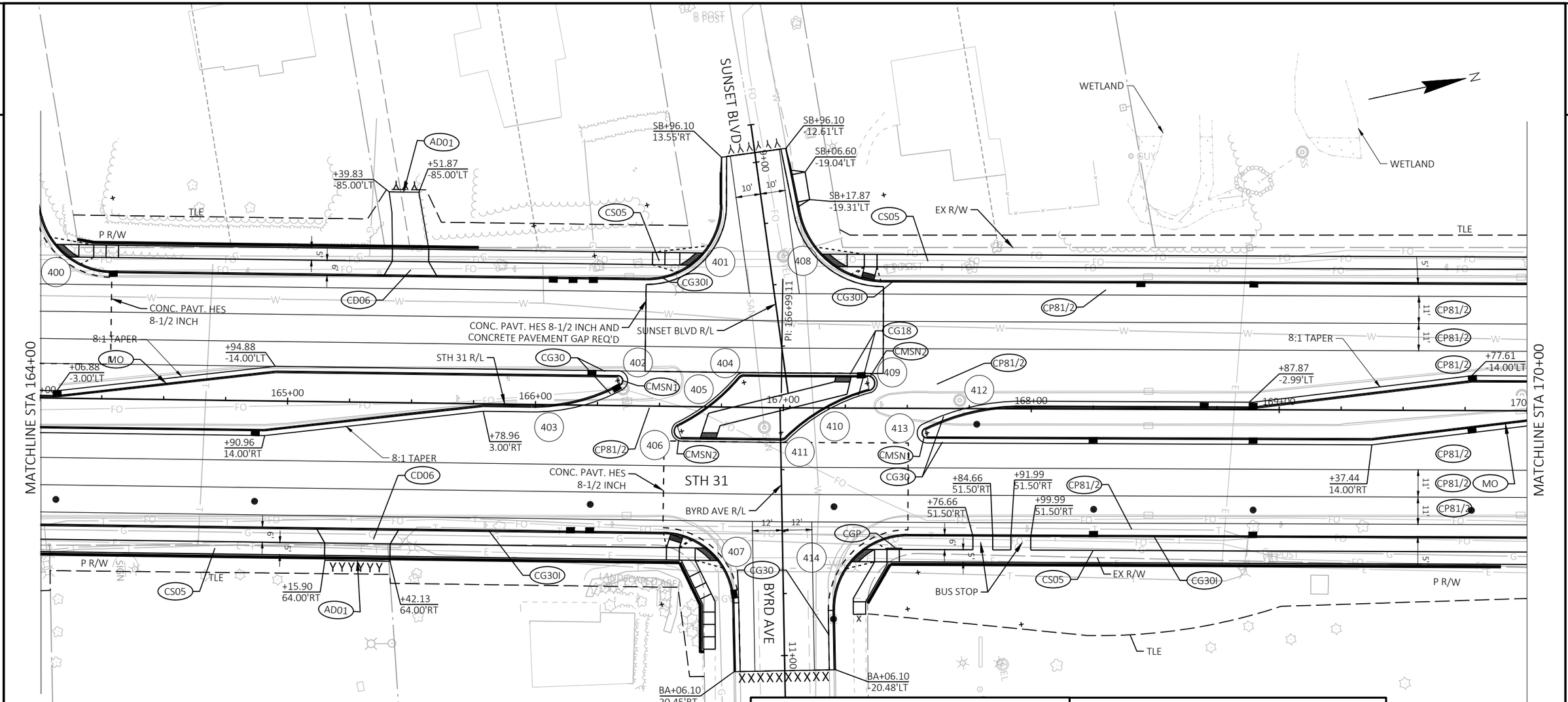
MARGERY DR
MARGERY DR R/L
MD+10.90
-19.41'LT
MD+26.80
-19.20'LT
PT: 158+41.90
PC: 158+46.21
TLE
P R/W
CG36
CS05
CP81/2
CMSN1
CG18
CG18R
MO
CD06
CD08
CG30I
CGP
AD01
CS05
+11.91
68.69'RT
+01.05
69.98'RT
+41.61
73.03'RT
+55.36
72.83'RT
+38.55
-14.00'LT
8:1 TAPER
+50.11
-3.00'LT
+27.27
-57.07'LT
+44.25
-57.00'LT
EX R/W
STH 31
STH 31 R/L
GREENLEAF BLVD R/L
GREENLEAF BLVD
GB+11.80
-15.89'LT
GB+12.19
14.10'RT
PT: 162+99.48
PI: 163+50.00
CONC. PAVT. HES
8 1/2 INCH
CASTLE CT
CC+78.21
18.16'RT
CC+78.21
-18.62'LT
MATCHLINE STA 158+00
MATCHLINE STA 164+00
159+00
160+00
161+00
162+00
163+00
9+00
11+00
N

LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 56	E

2



LEGEND

AD01	ASHPHALT DRIVEWAY
CD06	CONCRETE DRIVEWAY 6-INCH
CD08	CONCRETE DRIVEWAY 8-INCH
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
XXXXX	SAWING CONCRETE
CP6	CONCRETE PAVEMENT 6-INCH
CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)
CP9	CONCRETE PAVEMENT 9-INCH
MO	MAINTENANCE OPENING
CGP	CONCRETE CURB PEDESTRIAN
CS05	CONCRETE SIDEWALK 5-INCH
YYYYY	SAWING ASPHALT
BASE	BASE PATCHING CONCRETE
ASPH	ASPHALTIC SURFACE
CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A

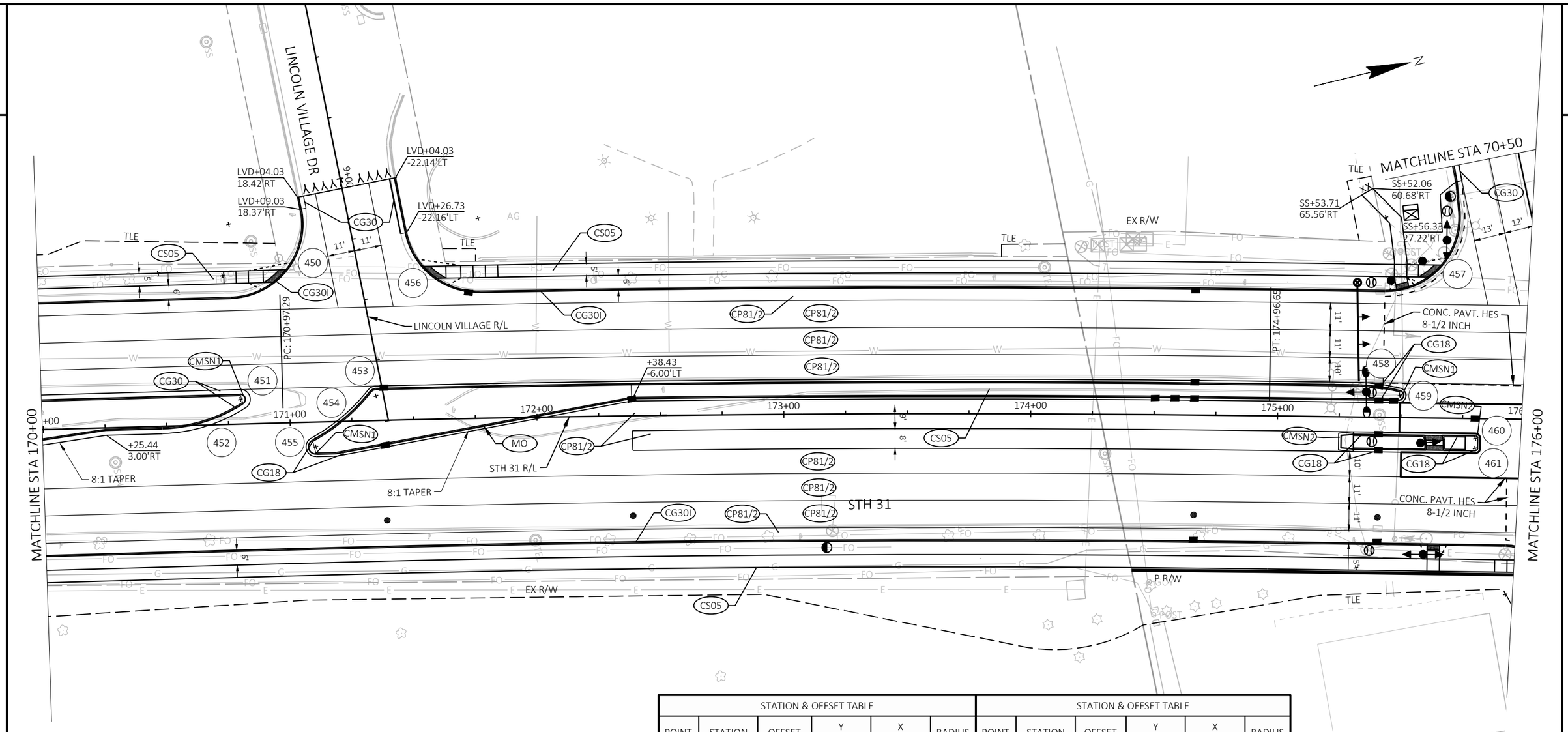
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
400	164+28.41	-81.00 LT	179480.14	621900.62	30.00'
401	166+44.00	-81.00 LT	179690.34	621948.49	30.00'
402	166+32.99	-10.00 LT	179663.85	622015.27	4.00'
403	165+98.39	-72.00 LT	179643.88	621947.14	75.00'
404	166+83.98	-10.00 LT	179713.56	622026.59	4.00'
405	166+23.04	-60.28 LT	179665.31	621964.04	75.00'
406	166+59.13	10.00 RT	179684.89	622040.58	4.00'
407	166+52.05	80.00 RT	179662.44	622107.26	29.00'
408	167+40.16	-86.0(	179784.52	621964.42	35.00'
409	167+33.76	-10.0(	179762.08	622037.32	4.00'

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
410	167+54.60	66.20 RT	179766.20	622116.21	75.00'
411	0+00.00	0.00	179723.94	622049.47	4.00'
412	167+96.34	87.00 RT	179802.55	622145.42	90.00'
413	167+58.04	10.00 RT	179781.54	622062.03	4.00'
414	167+50.43	81.00 RT	179758.98	622129.78	30.00'

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
450	170+77.35	-81.00 LT	180112.91	622041.16	30.00'
451	170+80.09	-10.00 LT	180100.45	622111.11	4.00'
452	170+48.20	-62.00 LT	180080.37	622053.51	65.00'
453	171+35.01	-10.00 LT	180154.14	622122.89	4.00'
454	170+74.21	-60.32 LT	180105.43	622060.69	75.00'
455	171+10.21	10.00 RT	180125.61	622137.07	4.00'
456	171+77.72	-81.00 LT	180211.55	622063.01	30.00'
457	175+42.82	-81.00 LT	180568.63	622150.97	30.00'
458	175+32.57	61.00 RT	180522.77	622285.75	75.00'
459	175+49.42	-9.00 LT	180556.79	622222.30	3.00'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
460	175+80.20	8.00 RT	180582.27	622246.54	2.00'
461	175+80.20	12.00 RT	180581.25	622250.40	2.00'

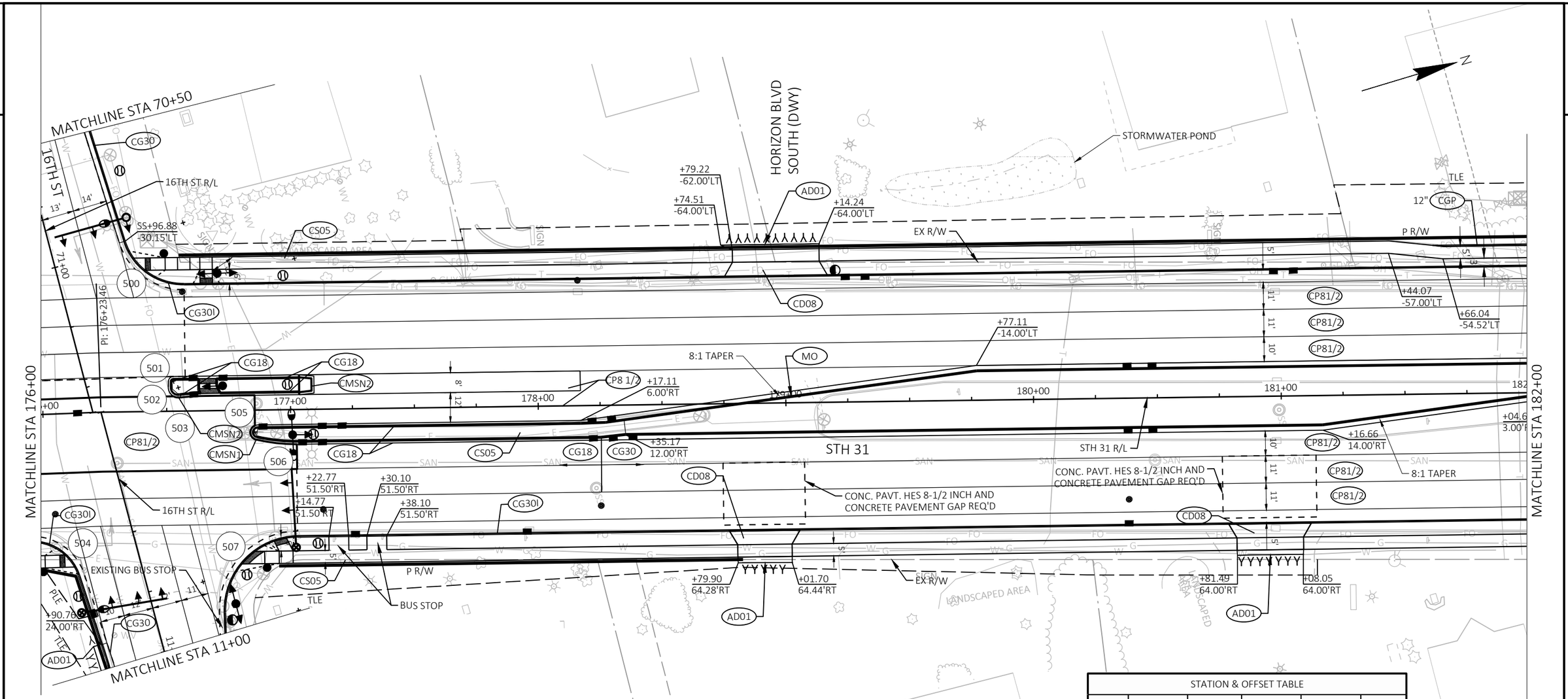
LEGEND

- AD01 ASHPHALT DRIVEWAY
- CD06 CONCRETE DRIVEWAY 6-INCH
- CD08 CONCRETE DRIVEWAY 8-INCH
- CG18 CONCRETE CURB & GUTTER 18-INCH TYPE A
- CG18R CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE
- CG30 CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG30I CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
- XXXXX SAWING CONCRETE
- CP6 CONCRETE PAVEMENT 6-INCH
- CP81/2 CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)
- CP9 CONCRETE PAVEMENT 9-INCH
- MO MAINTENANCE OPENING
- CGP CONCRETE CURB PEDESTRIAN
- CS05 CONCRETE SIDEWALK 5-INCH
- YYYYY SAWING ASPHALT
- BASE BASE PATCHING CONCRETE
- ASPH ASPHALTIC SURFACE
- CMSN1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CMSN2 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CG36 CONCRETE CURB 4 GUTTER 36-INCH TYPE A

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 58	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021210-pd
PLOT DATE : 11/21/2025 3:00 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
500	176+57.66	-76.00 LT	180679.92	622186.08	25.00'
501	176+52.82	-12.00 LT	180657.67	622246.29	2.00'
502	176+54.82	-9.50 LT	180658.90	622249.24	4.00'
503	176+63.70	69.00 RT	180645.84	622327.15	75.00'
504	175+93.16	71.00 RT	180578.85	622310.76	20.00'
505	176+85.53	9.00 RT	180683.34	622275.47	3.00'
506	177+02.38	-61.00 LT	180718.79	622212.81	75.00'
507	177+02.18	81.00 RT	180679.54	622349.27	30.00'

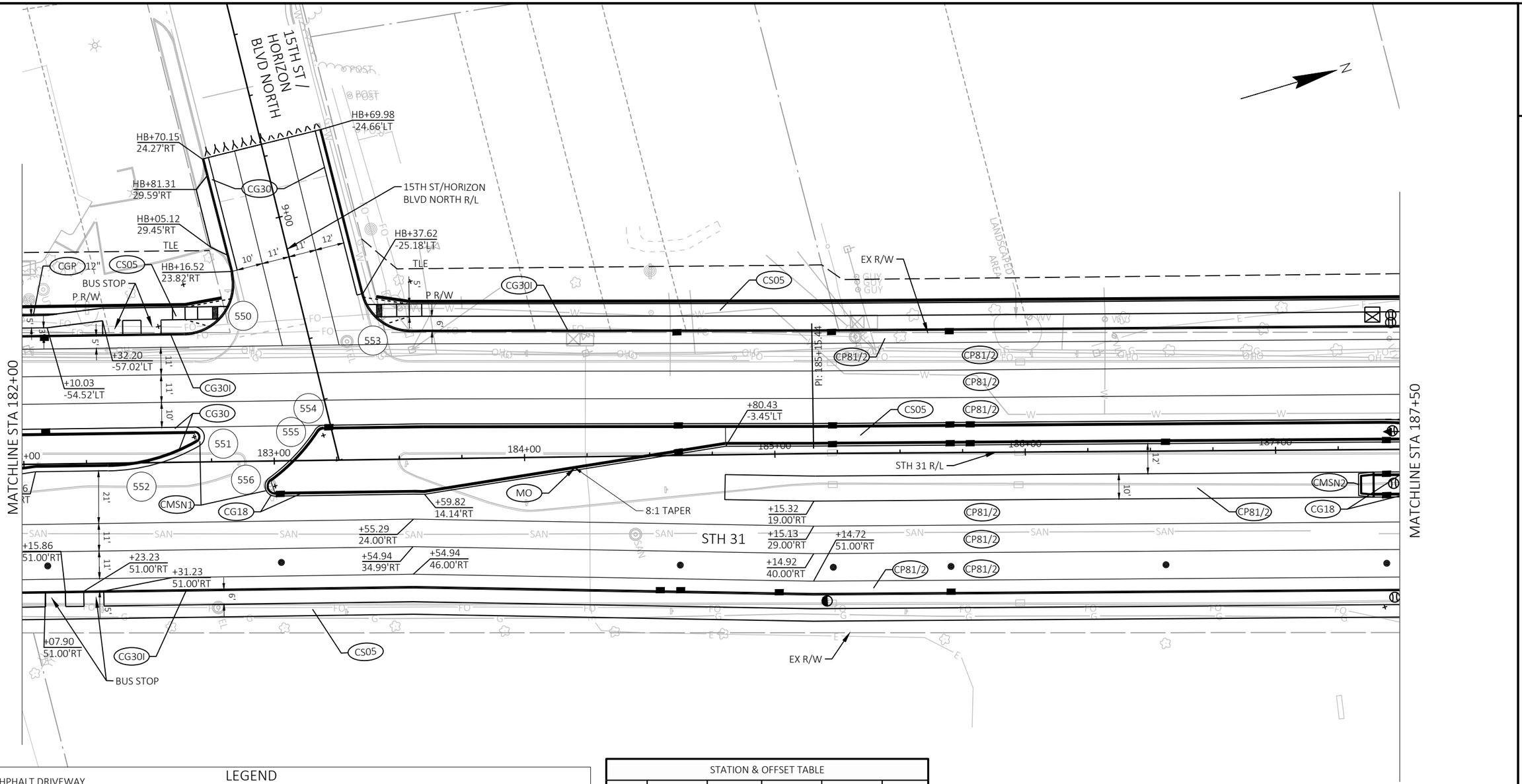
LEGEND

- AD01 ASHPHALT DRIVEWAY
- CD06 CONCRETE DRIVEWAY 6-INCH
- CD08 CONCRETE DRIVEWAY 8-INCH
- CG18 CONCRETE CURB & GUTTER 18-INCH TYPE A
- CG18R CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE
- CG30 CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG30I CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
- XXXXX SAWING CONCRETE
- CP6 CONCRETE PAVEMENT 6-INCH
- CP81/2 CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)
- CP9 CONCRETE PAVEMENT 9-INCH
- MO MAINTENANCE OPENING
- CGP CONCRETE CURB PEDESTRIAN
- CS05 CONCRETE SIDEWALK 5-INCH
- YYYYY SAWING ASPHALT
- BASE BASE PATCHING CONCRETE
- ASPH ASPHALTIC SURFACE
- CMSN1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CMSN2 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CG36 CONCRETE CURB 4 GUTTER 36-INCH TYPE A

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 59	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021211-pd
PLOT DATE : 11/21/2025 3:00 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

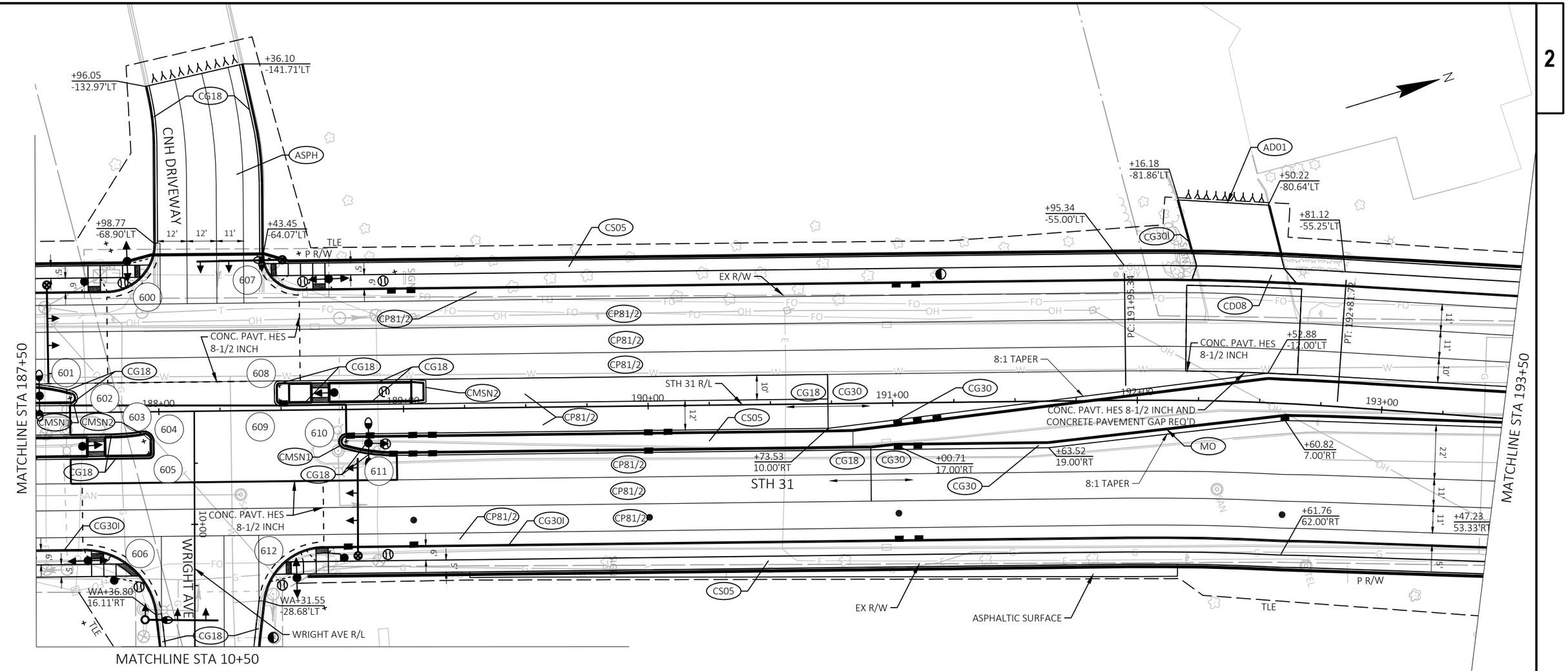
AD01 ASHPHALT DRIVEWAY	CP6 CONCRETE PAVEMENT 6-INCH	BASE BASE PATCHING CONCRETE	
CD06 CONCRETE DRIVEWAY 6-INCH	CP81/2 CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH ASPHALTIC SURFACE	
CD08 CONCRETE DRIVEWAY 8-INCH	CP9 CONCRETE PAVEMENT 9-INCH	CMSN1 CONCRETE MEDIAN SLOPED NOSE TYPE 1	
CG18 CONCRETE CURB & GUTTER 18-INCH TYPE A	MO MAINTENANCE OPENING	CMSN2 CONCRETE MEDIAN SLOPED NOSE TYPE 2	
CG18R CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP CONCRETE CURB PEDESTRIAN	CG36 CONCRETE CURB 4 GUTTER 36-INCH TYPE A	
CG30 CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05 CONCRETE SIDEWALK 5-INCH		
CG30I CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D			
XXXXX SAWING CONCRETE	YYYYY SAWING ASPHALT		

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
550	182+64.67	-71.00 LT	181262.14	622357.88	20.00'
551	182+68.14	-10.00 LT	181248.69	622417.48	4.00'
552	182+33.54	-72.00 LT	181232.48	622348.35	75.00'
553	183+55.32	-71.00 LT	181349.29	622382.82	20.00'
554	183+19.80	-10.00 LT	181298.36	622431.69	4.00'
555	182+54.45	-54.40 LT	181247.75	622371.03	75.00'
556	183+00.21	10.00 RT	181274.03	622445.53	4.00'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 60	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021212-pd
PLOT DATE : 11/21/2025 3:01 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
600	187+79.27	-69.00 LT	181756.29	622503.11	20.00'
601	187+43.17	63.00 RT	181684.52	622619.63	75.00'
602	187+63.74	-6.00 LT	181723.67	622559.20	3.00'
603	187+81.21	-66.00 LT	181757.31	622506.54	75.00'
604	187+93.74	12.00 RT	181747.39	622584.91	4.00'
605	187+95.74	17.00 RT	181747.91	622590.27	2.00'
606	187+68.32	86.00 RT	181702.18	622648.78	30.00'
607	188+57.95	-64.00 LT	181830.38	622530.04	15.00'
608	188+49.33	-10.00 LT	181806.93	622579.44	2.00'
609	188+49.33	-4.00 LT	181805.24	622585.20	2.00'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
610	188+76.52	13.00 RT	181826.55	622609.16	3.00'
611	188+97.09	-56.00 LT	181865.69	622548.73	75.00'
612	188+66.80	81.00 RT	181798.10	622671.68	25.00'

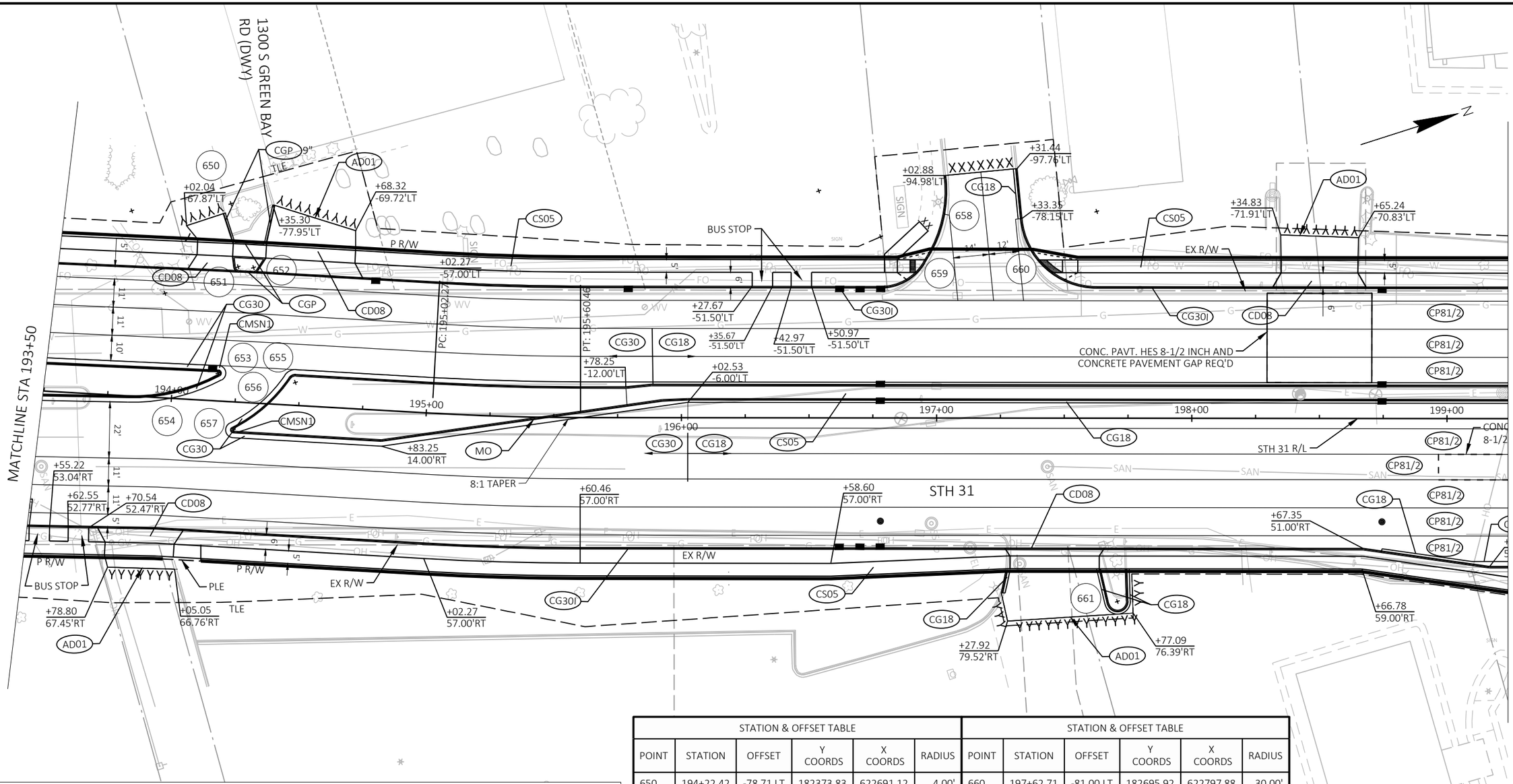
LEGEND

- AD01 ASHPHALT DRIVEWAY
- CD06 CONCRETE DRIVEWAY 6-INCH
- CD08 CONCRETE DRIVEWAY 8-INCH
- CG18 CONCRETE CURB & GUTTER 18-INCH TYPE A
- CG18R CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE
- CG30 CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG30I CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
- XXXXX SAWING CONCRETE
- CP6 CONCRETE PAVEMENT 6-INCH
- CP81/2 CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)
- CP9 CONCRETE PAVEMENT 9-INCH
- MO MAINTENANCE OPENING
- CGP CONCRETE CURB PEDESTRIAN
- CS05 CONCRETE SIDEWALK 5-INCH
- YYYYY SAWING ASPHALT
- BASE BASE PATCHING CONCRETE
- ASPH ASPHALTIC SURFACE
- CMSN1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CMSN2 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CG36 CONCRETE CURB 4 GUTTER 36-INCH TYPE A

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 61 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021213-pd
PLOT DATE : 11/21/2025 3:02 PM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
650	194+22.42	-78.71 LT	182373.83	622691.12	4.00'
651	194+28.49	-53.00 LT	182368.97	622715.53	2.00'
652	194+29.19	-53.00 LT	182374.61	622717.68	2.00'
653	194+17.64	-10.91 LT	182348.68	622752.79	3.00'
654	193+80.31	-72.48 LT	182336.01	622681.92	75.00'
655	194+48.12	-9.00 LT	182376.44	622765.54	5.00'
656	193+95.13	-40.94 LT	182338.49	622716.67	56.88'
657	194+24.91	11.00 RT	182347.59	622775.85	3.00'
658	196+53.74	-88.91 LT	182594.64	622756.88	50.00'
659	196+77.98	-71.00 LT	182612.21	622781.37	20.00'

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
660	197+62.71	-81.00 LT	182695.92	622797.88	30.00'
661	197+70.86	72.00 RT	182656.83	622945.80	4.00'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 62	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021214-pd

PLOT DATE : 11/21/2025 3:03 PM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STH 20

STH 31

N

MATCHLINE STA 199+25

EX R/W

P R/W

TLE

+38.82
-72.45'LT

+43.74
-69.66'LT

+44.33
-65.07'LT

+61.31
-55.55'LT

+83.50
-46.00'LT

+12.05
-49.00'LT

+15.52
-6.00'LT

+48.36
-6.00'LT

+06.36
46.00'RT

+88.64
63.99'RT

+81.01
61.13'RT

+81.19
82.78'RT

16.78
8.00'RT

CS05

CG30I

CP81/2

CG30

CG18

CG18R

CG30

CG30I

700

701

702

CONC. PAVT. HES
8-1/2 INCH

END PROJECT
STA 200+94.93
MATCH EXISTING
SAW CUT REQ'D

EP: 203+37.57

200+00

201+00

202+00

203+00

LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

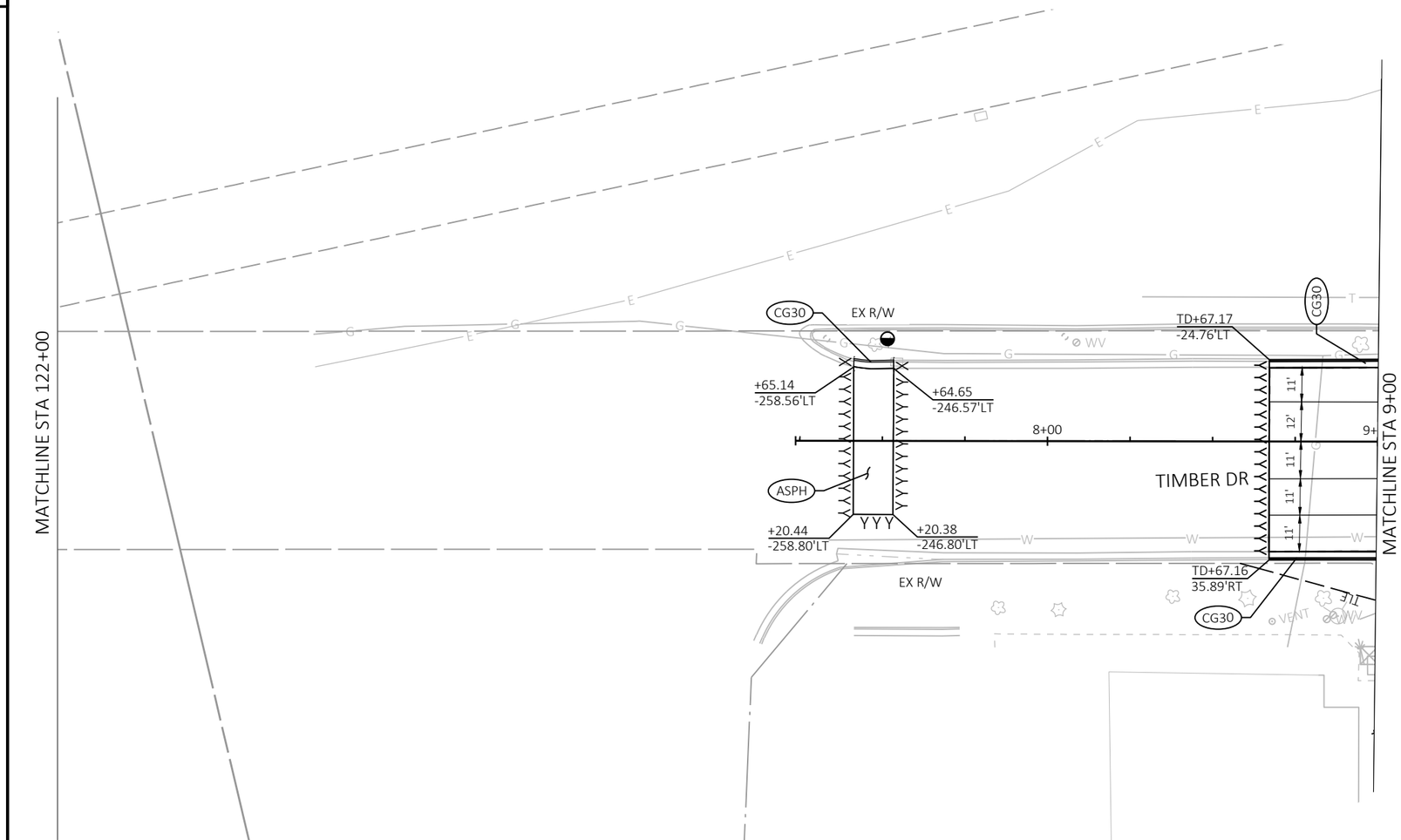
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
700	200+15.01	-89.00 LT	182938.48	622867.76	40.00'
701	200+48.36	-10.00 LT	182945.95	622953.18	4.00'
702	200+04.47	125.00 RT	182862.72	623068.17	69.00'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - STH 31	SHEET 63	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021215-pd
PLOT DATE : 11/21/2025 3:03 PM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2





LEGEND

AD01	ASHPHALT DRIVEWAY				
CD06	CONCRETE DRIVEWAY 6-INCH	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD08	CONCRETE DRIVEWAY 8-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	MO	MAINTENANCE OPENING		
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CGP	CONCRETE CURB PEDESTRIAN	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	CS05	CONCRETE SIDEWALK 5-INCH	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
XXXXX	SAWING CONCRETE	YYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - TIMBER DR/ REGENCY MALL ENT SOUTH	SHEET 64	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021216-pd

PLOT DATE : 11/21/2025 3:04 PM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXR/W

REGENCY
WEST DR

EXR/W

POST

RW+81.14
24.82'LT

CP6

+96.53
-249.32'LT

+92.42
-238.01'LT

+82.80
-253.08'LT

+80.27
-241.33'LT

CG30

RW+80.06
24.06'RT

MATCHLINE STA 9+00

11'

LEGEND

AD01	ASHPHALT DRIVEWAY				
CD06	CONCRETE DRIVEWAY 6-INCH	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD08	CONCRETE DRIVEWAY 8-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	CS05	CONCRETE SIDEWALK 5-INCH		
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - REGENCY WEST DR/ REGENCY MALL	SHEET 65	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021217-pd

PLOT DATE : 11/21/2025 3:05 PM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

EX R/W

TS+72.72
-42.24'LT

TS+72.74
-17.45'LT

TS+84.63
12.09'LT

CG18R

9'

11'

12'

CG30

11'

9+00

MATCHLINE STA 9+00

TLE

TS+84.62
25.94'RT

TLE

+79.40
-309.34'LT

+79.76
-297.32'LT

BASE

ASPH

21ST ST

+54.20
-310.29'LT

+54.24
-298.28'LT

EX R/W

POST

POST

EL

SS

WV

LEGEND

AD01	ASHPHALT DRIVEWAY				
CD06	CONCRETE DRIVEWAY 6-INCH	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD08	CONCRETE DRIVEWAY 8-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	MO	MAINTENANCE OPENING		
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CGP	CONCRETE CURB PEDESTRIAN	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	CS05	CONCRETE SIDEWALK 5-INCH	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

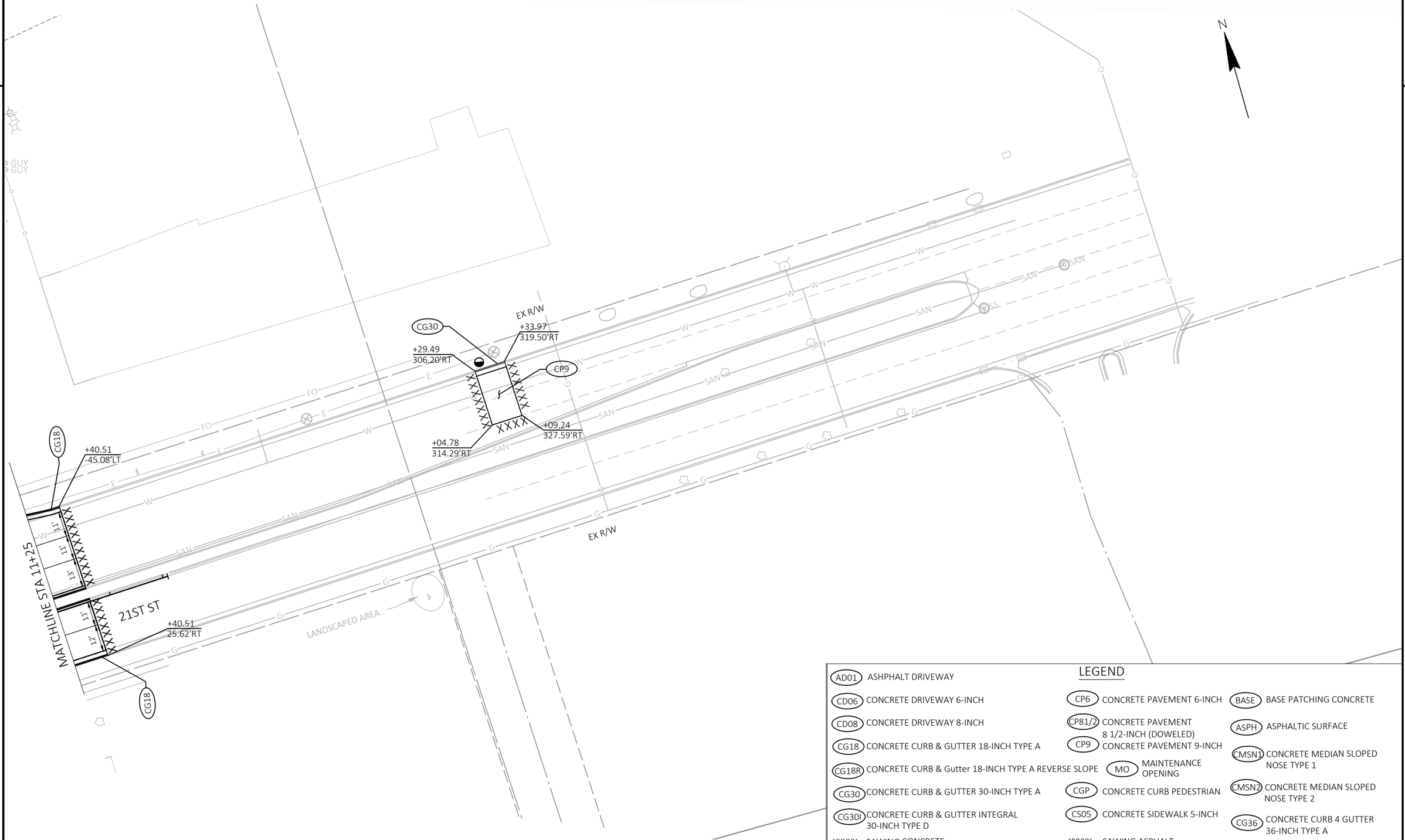
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - 21ST ST	SHEET 66	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021218-pd

PLOT DATE : 11/21/2025 3:06 PM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

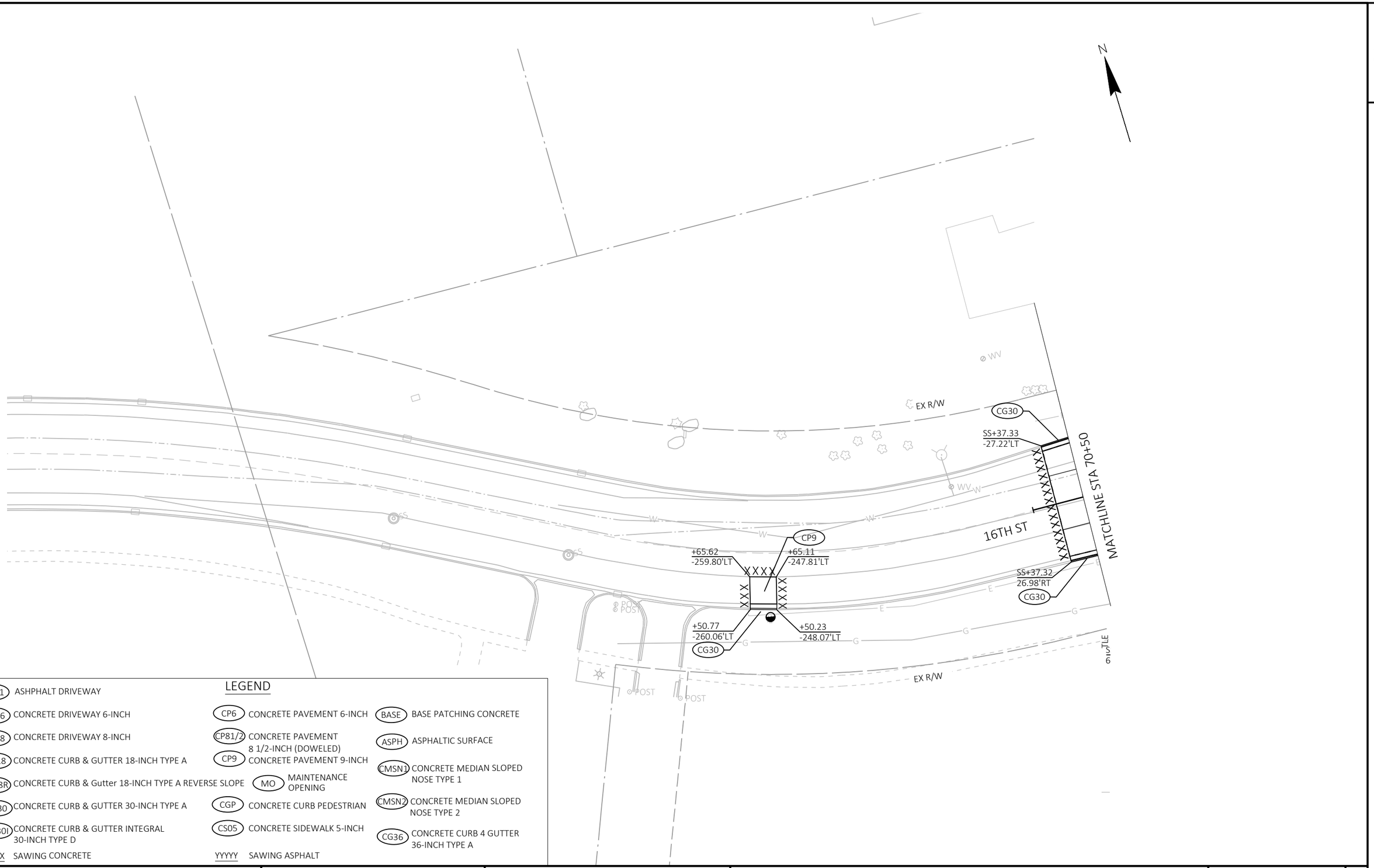


LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	YYYYY	SAWING ASPHALT		
XXXXX	SAWING CONCRETE				

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - 21ST ST	SHEET 67	E

2

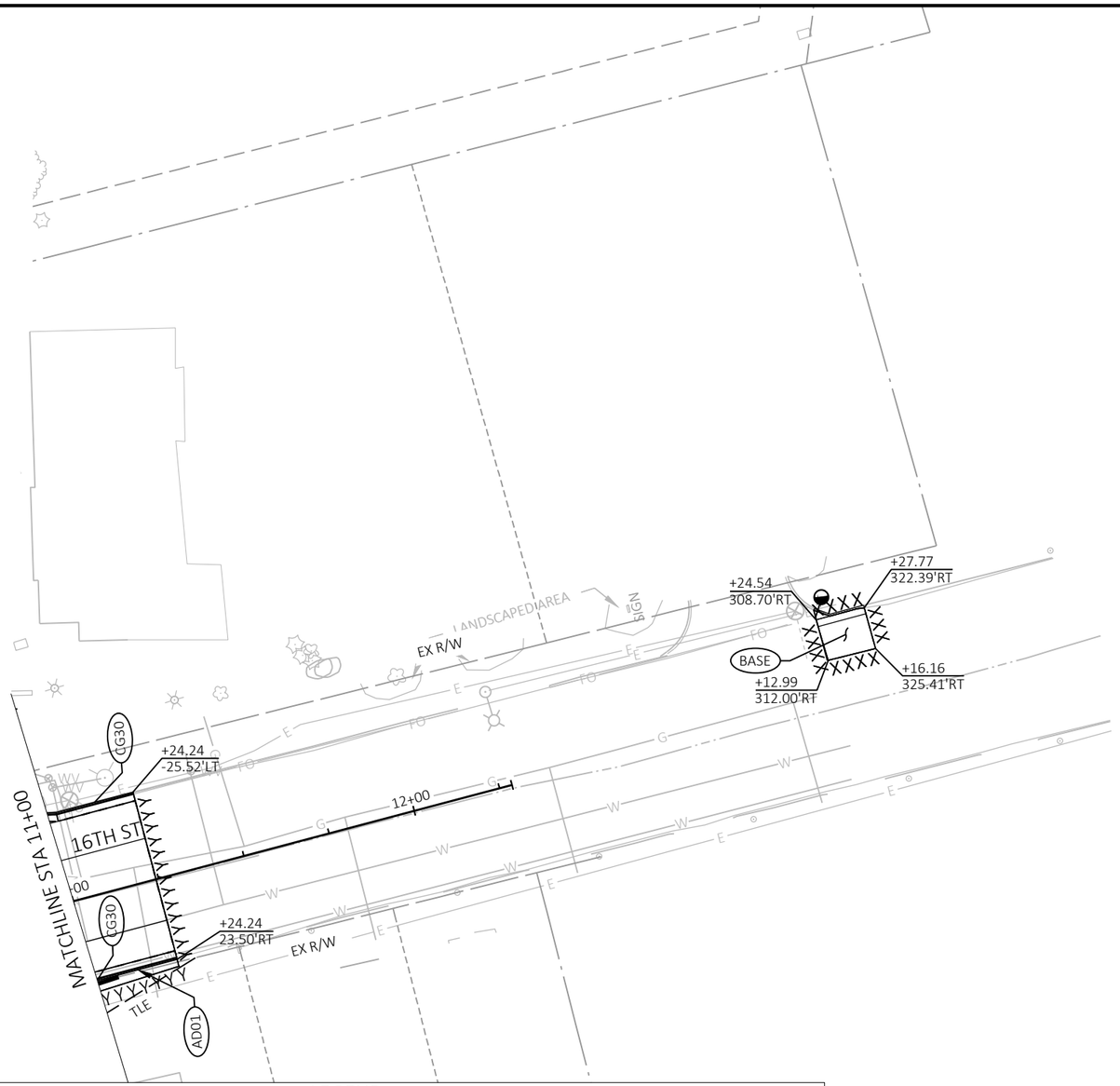


LEGEND

AD01	ASHPHALT DRIVEWAY	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD06	CONCRETE DRIVEWAY 6-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CD08	CONCRETE DRIVEWAY 8-INCH	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	MO	MAINTENANCE OPENING	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP	CONCRETE CURB PEDESTRIAN	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05	CONCRETE SIDEWALK 5-INCH		
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D				
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - 16TH ST	SHEET 68	E

2

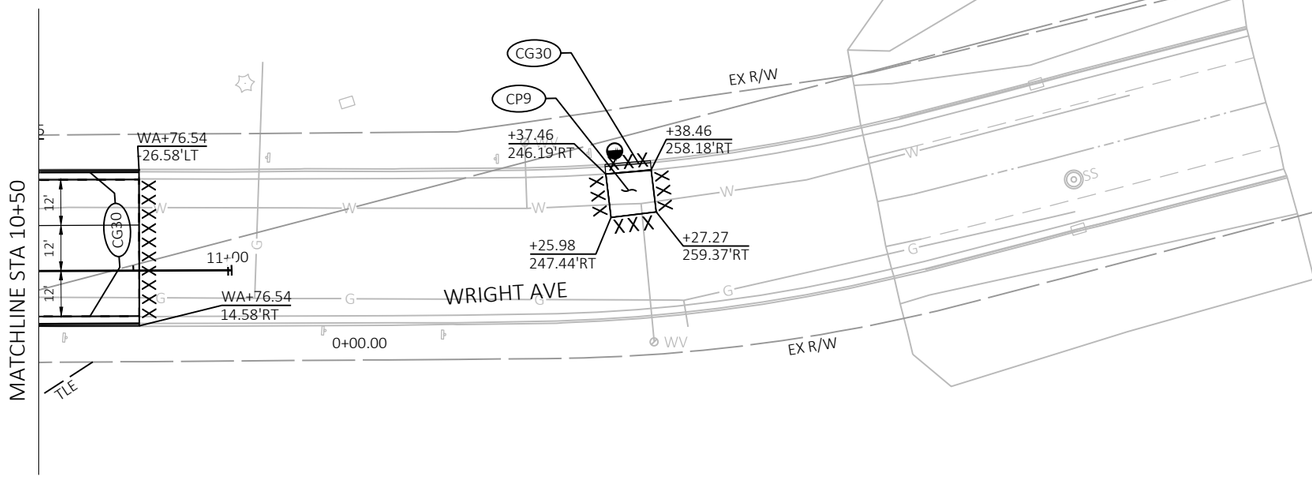


LEGEND

AD01 ASHPHALT DRIVEWAY	CP6 CONCRETE PAVEMENT 6-INCH	BASE BASE PATCHING CONCRETE
CD06 CONCRETE DRIVEWAY 6-INCH	CP81/2 CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH ASPHALTIC SURFACE
CD08 CONCRETE DRIVEWAY 8-INCH	CP9 CONCRETE PAVEMENT 9-INCH	CMSN1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18 CONCRETE CURB & GUTTER 18-INCH TYPE A	MO MAINTENANCE OPENING	CMSN2 CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG18R CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	CGP CONCRETE CURB PEDESTRIAN	CG36 CONCRETE CURB 4 GUTTER 36-INCH TYPE A
CG30 CONCRETE CURB & GUTTER 30-INCH TYPE A	CS05 CONCRETE SIDEWALK 5-INCH	
CG30I CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D		
XXXXX SAWING CONCRETE	YYYYY SAWING ASPHALT	

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - 16TH ST	SHEET 69	E

2



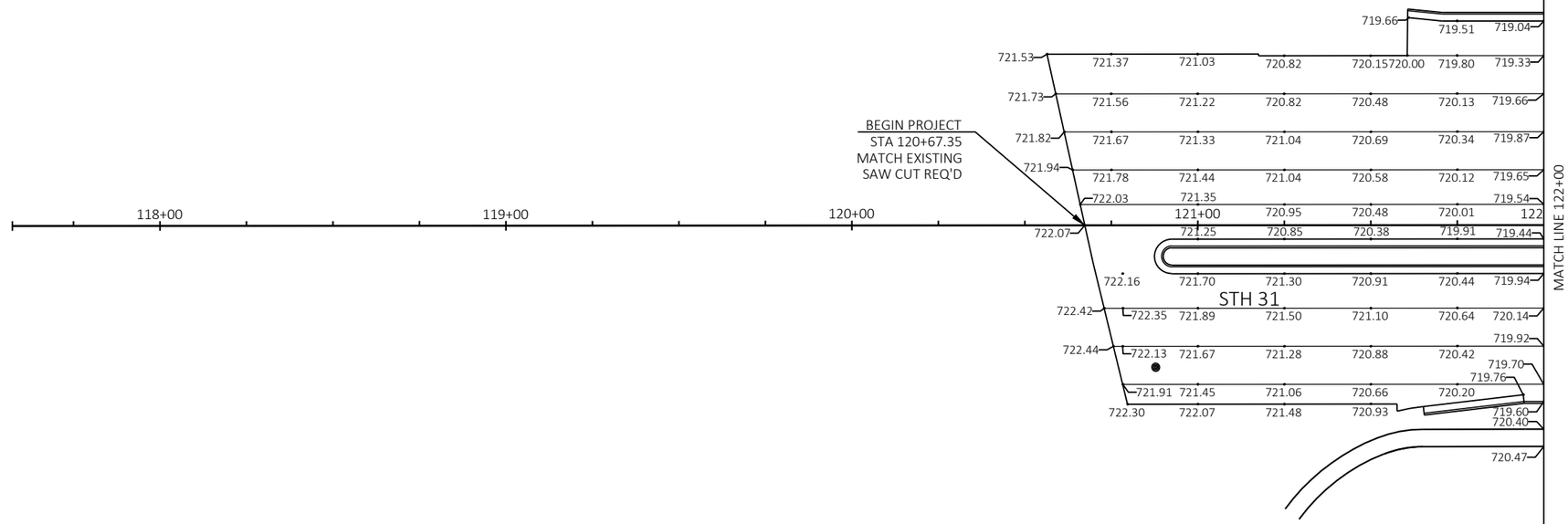
LEGEND

AD01	ASHPHALT DRIVEWAY				
CD06	CONCRETE DRIVEWAY 6-INCH	CP6	CONCRETE PAVEMENT 6-INCH	BASE	BASE PATCHING CONCRETE
CD08	CONCRETE DRIVEWAY 8-INCH	CP81/2	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	ASPH	ASPHALTIC SURFACE
CG18	CONCRETE CURB & GUTTER 18-INCH TYPE A	CP9	CONCRETE PAVEMENT 9-INCH	CMSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CG18R	CONCRETE CURB & Gutter 18-INCH TYPE A REVERSE SLOPE	MO	MAINTENANCE OPENING		
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE A	CGP	CONCRETE CURB PEDESTRIAN	CMSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CG30I	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	CS05	CONCRETE SIDEWALK 5-INCH	CG36	CONCRETE CURB 4 GUTTER 36-INCH TYPE A
XXXXX	SAWING CONCRETE	YYYYY	SAWING ASPHALT		

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN DETAILS - WRIGHT AVE	SHEET 70	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021222-pd
PLOT DATE : 11/21/2025 3:09 PM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

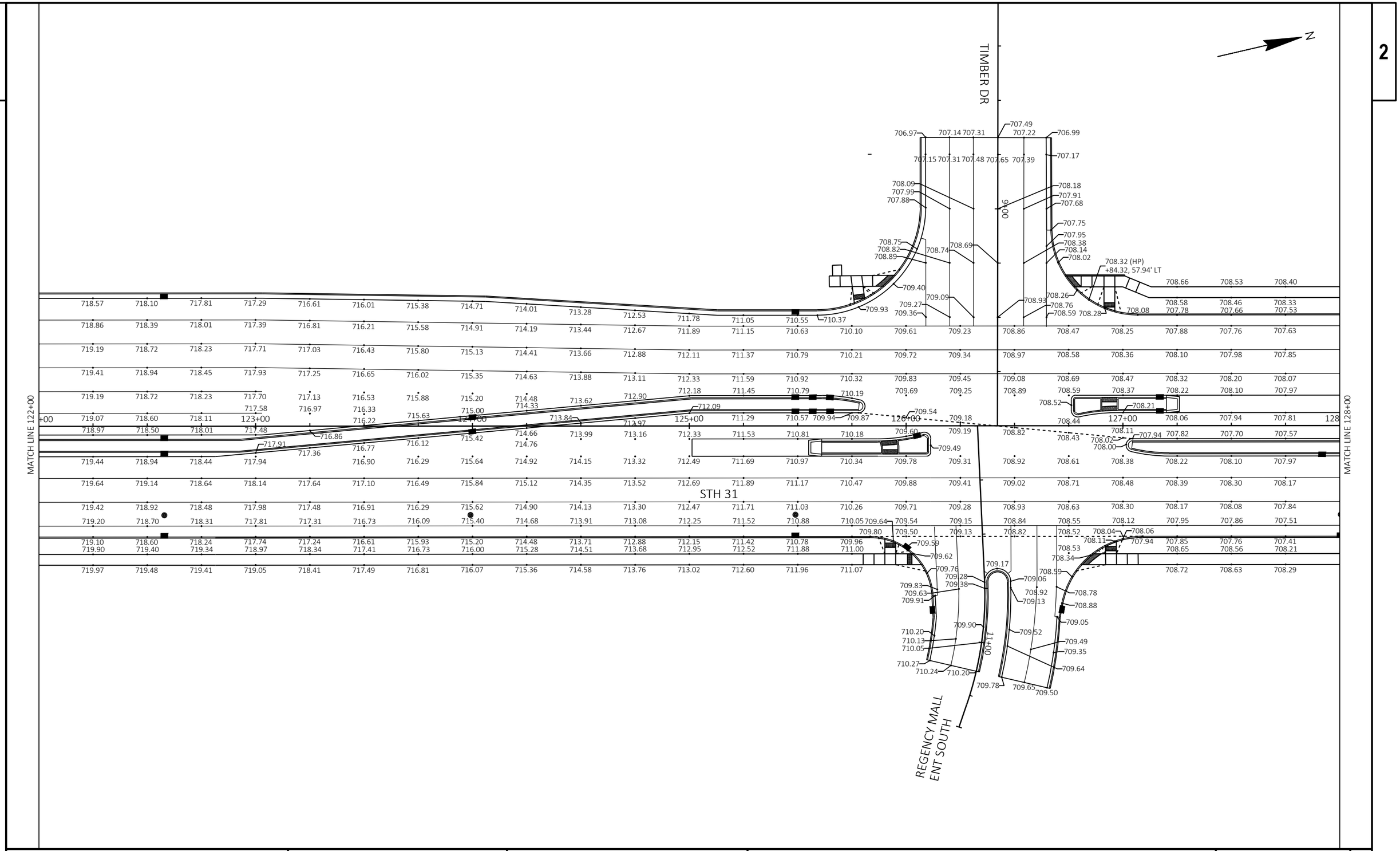
2



NOTE: PAVEMENT GRADES ARE SHOWN AT 25' INCREMENTS ALONG REFERENCE LINES AT THE FLANGE LINE, JOINT LINE, EDGE OF PAVED SHOULDER, HIGH POINTS, LOW POINTS, AND 1/4 POINTS OF CURB RETURNS.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 71	E

2



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 72	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021202-pg

PLOT DATE : 7/29/2025 5:33 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE 128+00

MATCH LINE 134+00

STH 31

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 73 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021203-pg

PLOT DATE : 7/29/2025 5:33 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

REGENCY WEST DR

9+00

MATCH LINE 134+00

MATCH LINE 140+00

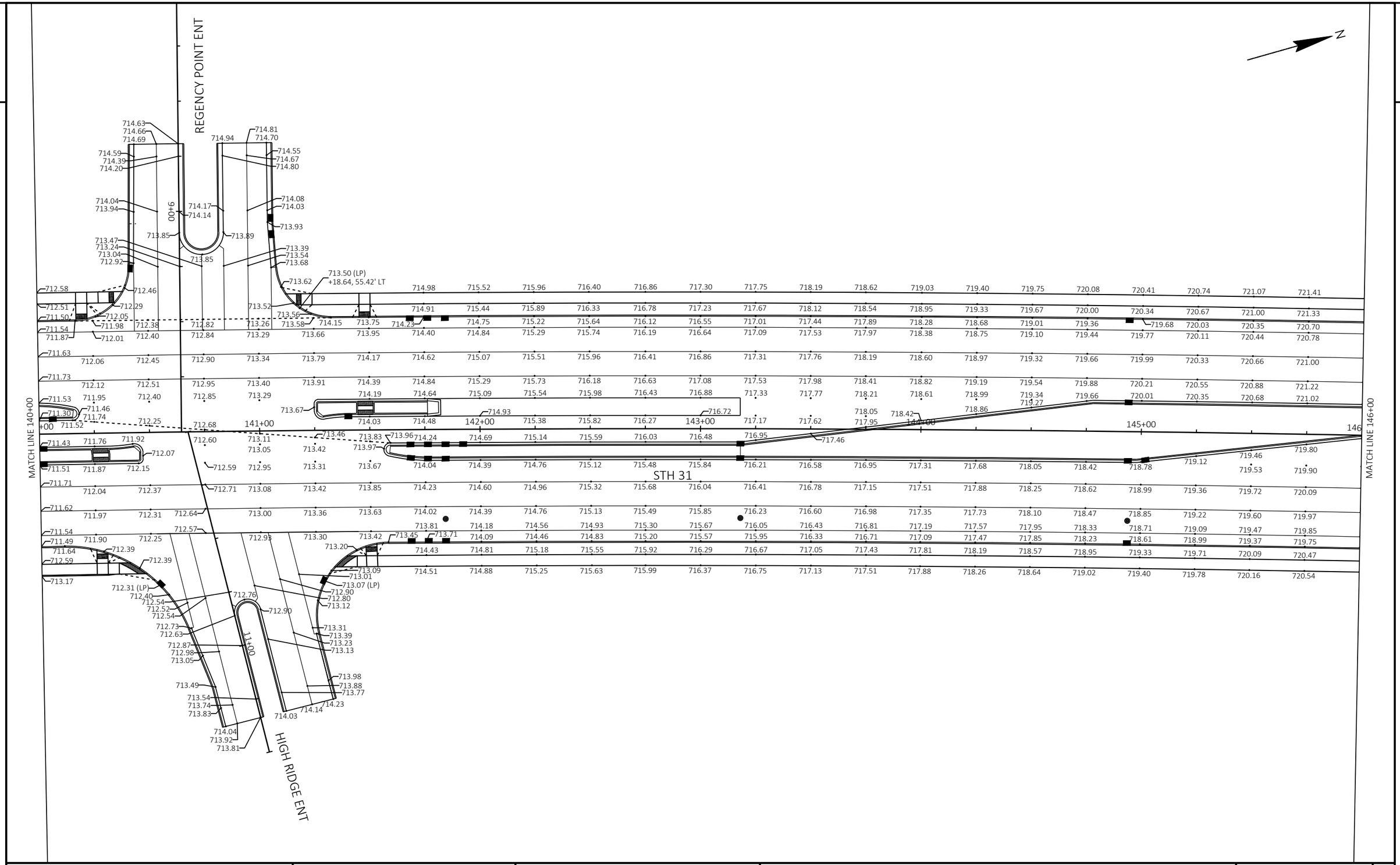
STH 31

11+00

REGENCY MALL ENT NORTH

NOTE: PAVEMENT GRADES ARE SHOWN AT TOP OF CURB THROUGH PEDESTRIAN CURB LOCATIONS.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 74	E



2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 75	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021205-pg
PLOT DATE : 7/29/2025 5:33 PM
PLOT BY : JARED BROWN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

21ST ST

MATCH LINE 146+00

MATCH LINE 152+00

STH 31

9+00

11+00

21ST ST

724.90 (HP)
+59.02, 52.85'

724.74 (HP)
+83, 54.97' RT

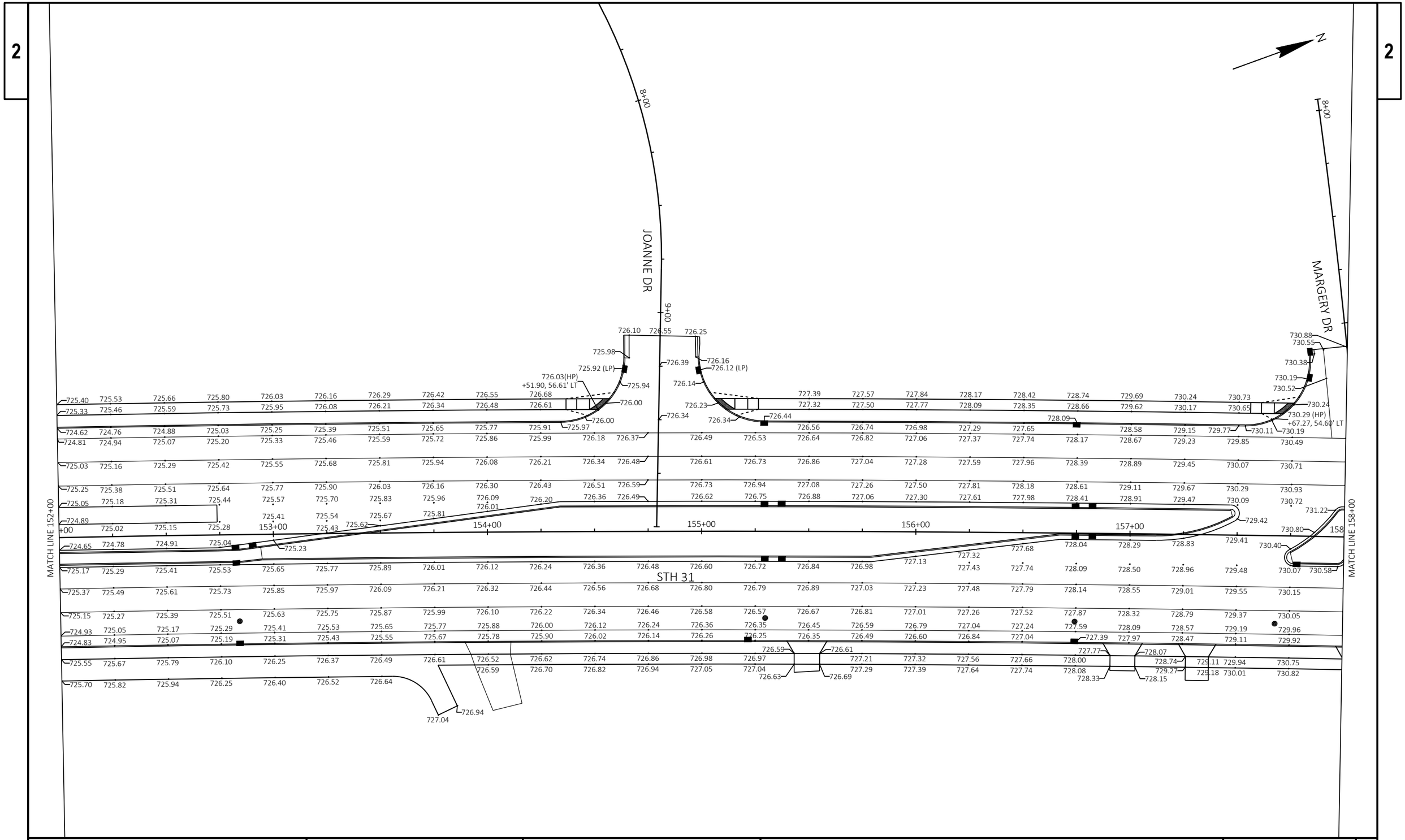
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES

SHEET 76 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021206-pg

PLOT DATE : 7/29/2025 5:33 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 77	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021207-pg

PLOT DATE : 7/29/2025 5:34 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STA 159+75.00

YEAR 1 CONSTRUCTION | YEAR 2 CONSTRUCTION

N

MARGERY DR

GREENLEAF BLVD

CASTLE CT

STH 31

MATCH LINE 158+00

MATCH LINE 164+00

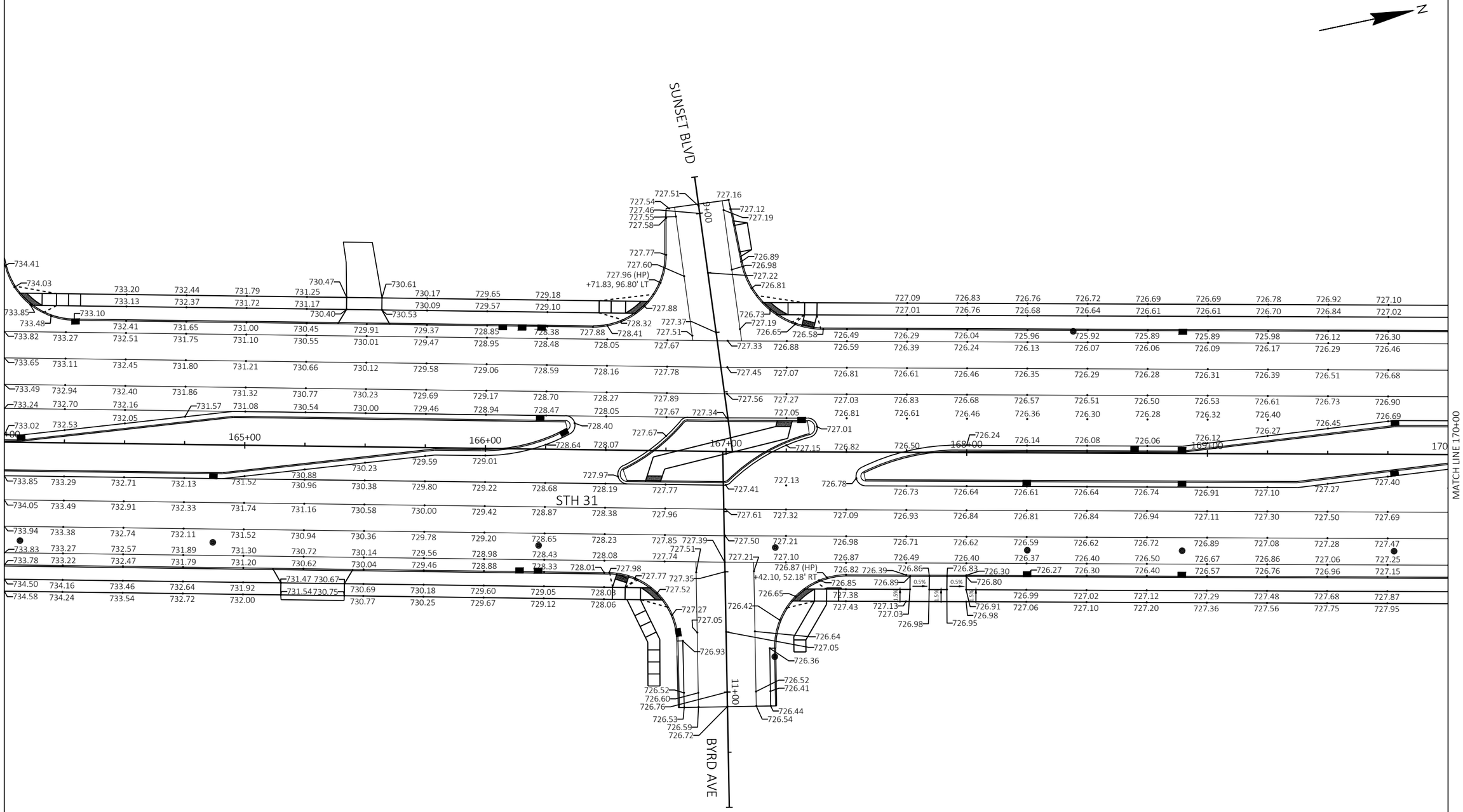
8+00 9+00 11+00 159+00 160+00 161+00 162+00 163+00

730.90 730.92 730.90 (LP) 730.96 730.94 730.94 731.19 731.41 731.67 731.12 731.59 731.34 731.81 731.56 732.03 731.36 731.83 731.44 730.66 730.79 731.46 730.79 731.55 730.78 731.63 730.78 731.67 731.16 731.57 731.69 732.42 732.49 732.07 732.77 732.70 731.98 732.08 732.49 732.59 732.30 732.52 732.31 732.78 732.29 732.58 732.14 732.78 732.31 733.03 732.49 733.27 732.61 733.41 733.28 733.36 733.29 733.21 732.97 733.07 732.81 733.29 733.03 733.51 733.26 733.04 733.21 733.41 733.27 733.89 734.10 734.17 733.77 733.69 733.45 733.55 733.29 733.77 733.51 733.98 733.74 733.51 733.78 733.98 733.65 734.22 734.46 734.10 734.72 734.79 734.25 734.17 733.88 733.98 734.20 734.42 734.18 733.96 734.30 734.51 734.75 734.99 734.60 735.10 735.28 735.36 734.67 734.60 734.27 734.37 734.59 734.81 734.42 734.76 734.97 735.21 735.45 735.59 735.54 735.62 735.32 735.40 735.06 734.99 734.61 734.71 734.93 735.15 734.83 735.17 735.37 735.62 735.86 736.03 736.28 736.35 735.40 735.33 734.90 735.00 735.22 735.44 735.67 735.44 735.63 735.85 735.98 736.03 735.51 735.72 735.96 736.20 736.34 736.69 736.76 735.69 735.62 735.13 735.23 735.45 735.63 735.85 735.98 736.06 735.84 735.80 736.01 736.25 736.49 736.65 737.03 737.11 735.93 735.85 735.31 735.41 735.63 735.76 735.84 735.87 736.03 736.24 736.48 736.73 736.85 737.32 737.40 736.11 736.03 735.44 735.54 735.76 735.84 735.84 736.08 736.21 736.42 736.66 736.90 737.05 737.56 737.63 736.24 736.16 735.52 735.62 735.76 735.84 736.05 736.06 736.32 736.54 736.78 737.02 737.15 737.73 737.81 736.31 735.76 735.54 735.64 735.86 736.08 736.38 736.60 736.84 737.08 737.22 737.85 737.93 736.34 735.78 735.51 735.61 735.83 736.05 736.39 736.60 736.84 737.09 737.20 737.91 737.99 736.23 736.23 735.43 735.53 735.75 735.97 736.33 736.55 736.77 736.99 737.12 737.92 737.99 736.26 736.16 735.30 735.40 735.62 735.84 736.22 736.44 736.67 736.90 736.97 737.08 737.09 737.28 737.60 737.58 737.71 736.24 736.19 735.12 735.22 735.45 735.63 735.84 735.90 736.27 736.51 736.75 736.82 736.56 736.73 736.91 736.91 737.45 737.26 737.36 737.58 737.79 737.92 736.17 736.27 736.20 735.15 735.20 735.41 735.02 735.08 735.46 735.54 735.76 736.05 736.29 736.53 736.91 736.00 736.05 736.77 736.91 736.25 736.18 735.13 735.13 735.31 735.42 735.66 735.84 735.97 736.04 735.97 735.10 735.05 734.94 734.83 734.79 734.56 734.41 735.20 735.41 735.47 735.55 735.53 735.03 735.27 736.35 735.76 735.83 734.91 734.89 734.69 (LP) 734.65 734.54 734.43 734.19 733.97 734.81 735.02 735.03 735.54 735.62 734.74 734.06 734.25 734.20 734.09 733.98 733.74 733.52 734.36 734.56 734.51 734.46 734.44 734.67 735.12 735.02 735.30 735.33 735.15 734.64 734.82 734.96 734.53 733.90

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 78	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021208-pg

PLOT DATE : 7/29/2025 5:34 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT



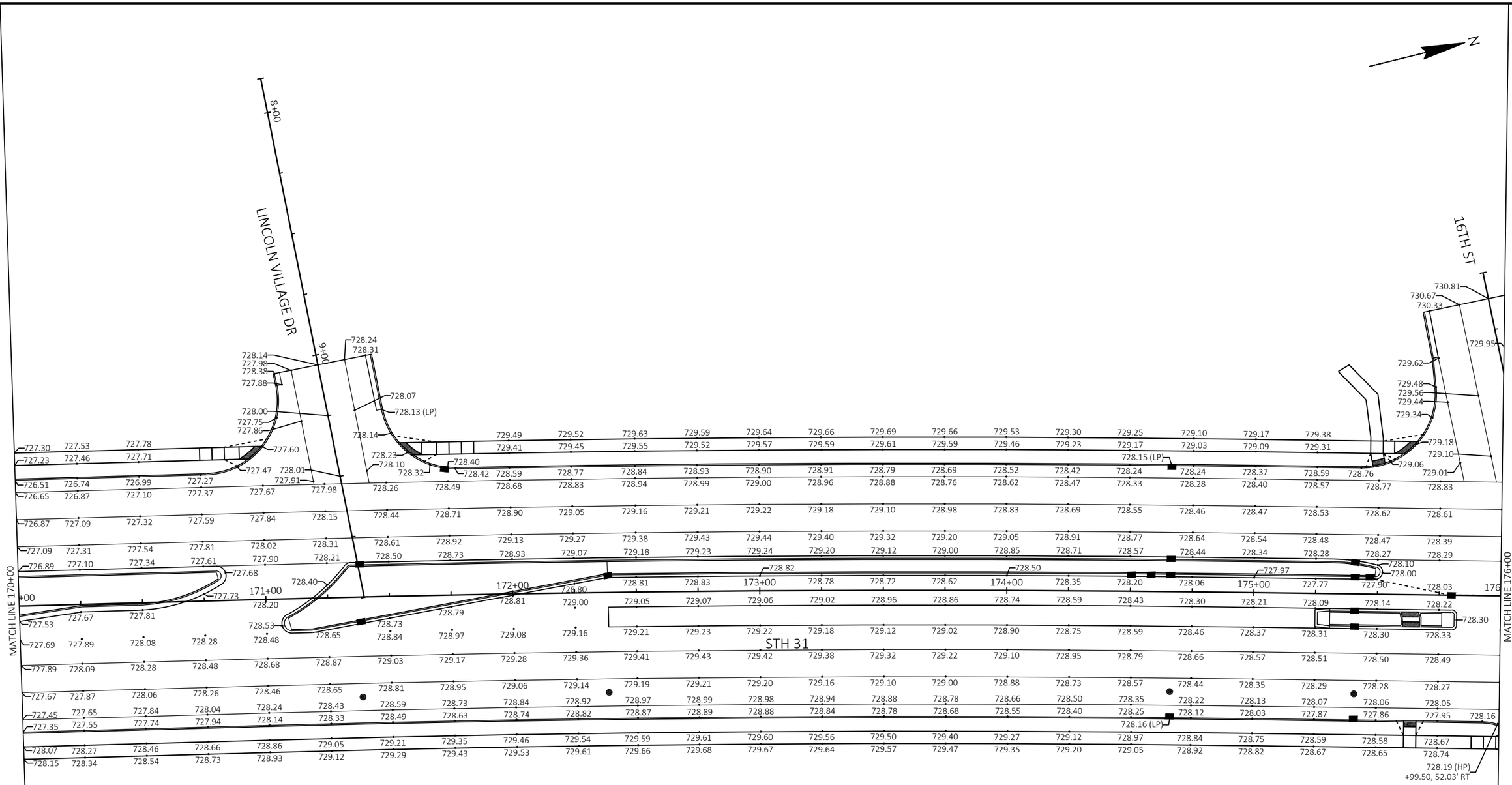
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 79	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021209-pg

PLOT DATE : 7/29/2025 5:34 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



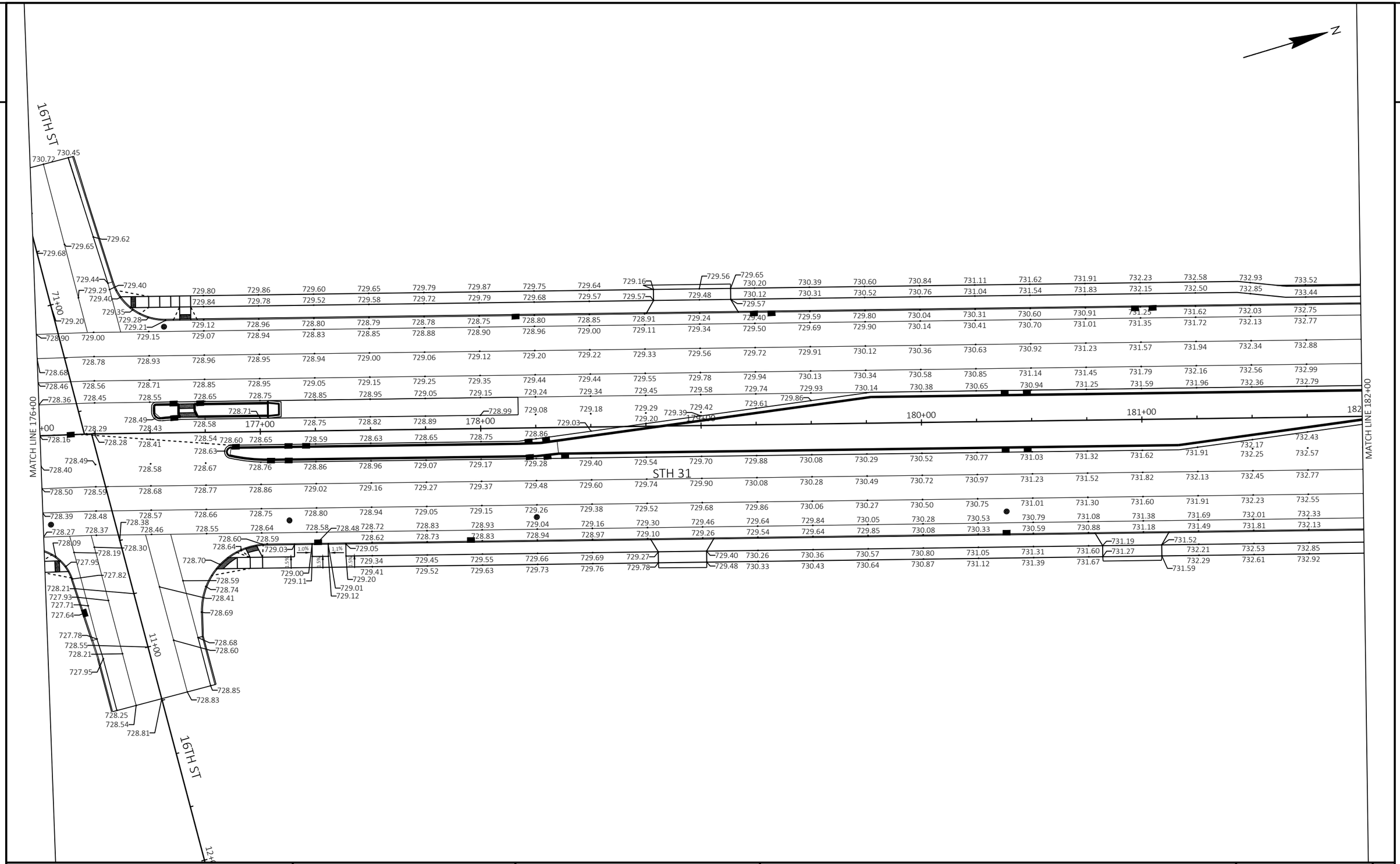
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 80	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021210-pg

PLOT DATE : 7/29/2025 5:34 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 81	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021211-pg

PLOT DATE : 7/29/2025 5:34 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

15TH ST / HORIZON BLVD NORTH

8+00

9+00

MATCH LINE 182+00

MATCH LINE 188+00

183+00

184+00

185+00

186+00

187+00

188

STH 31

0.6%

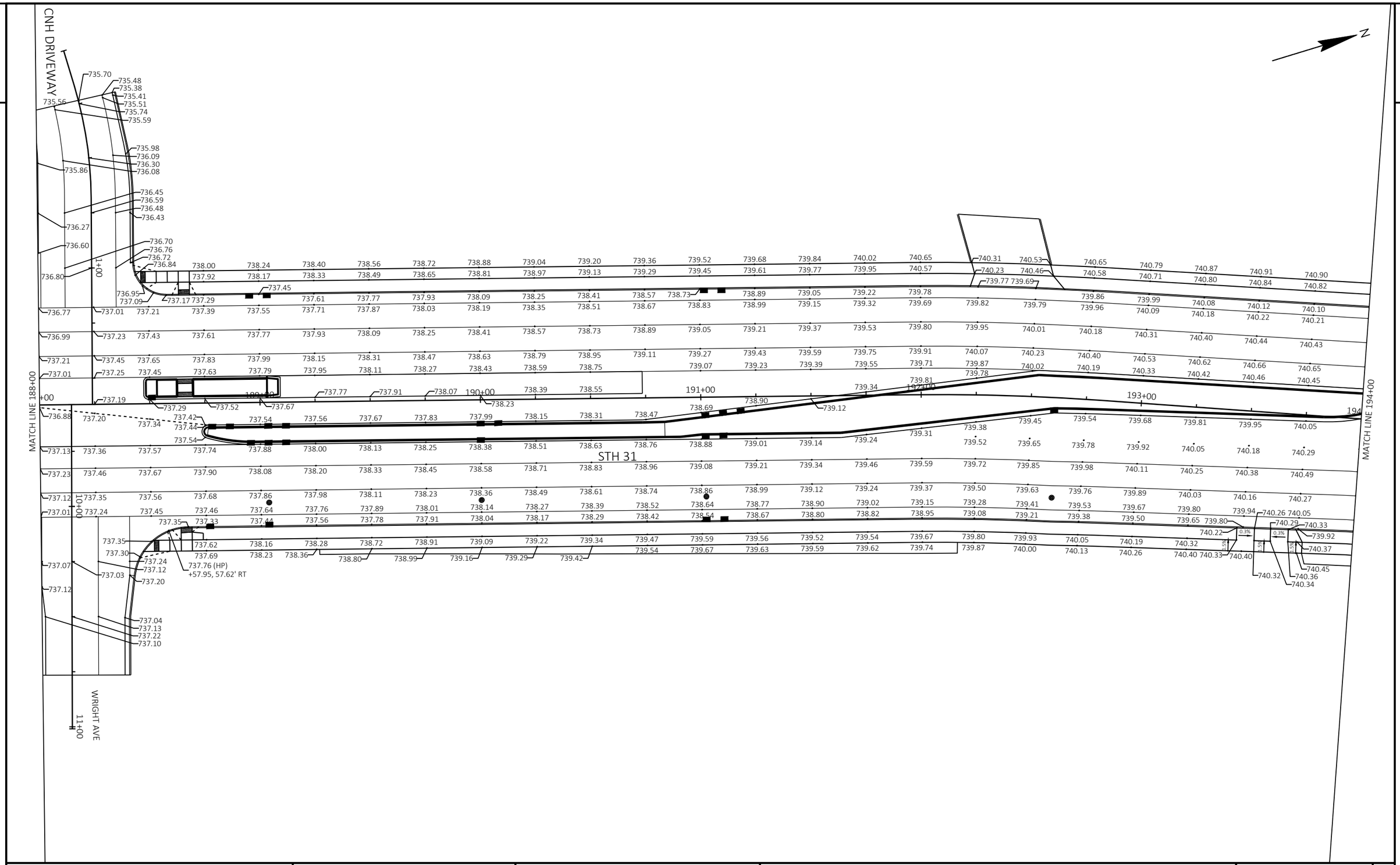
1.2%

1.3%

1.5%

| | | |

2



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 83	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021202-PG.DWG
LAYOUT NAME - 021213-pg

PLOT DATE : 7/29/2025 5:34 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

1300 S GREEN BAY RD (DWY)

WALMART DWY

MATCH LINE 194+00

MATCH LINE 200+00

STH 31

195+00 196+00 197+00 198+00 199+00 200

738.20 738.01 737.77 737.39 737.85 (+17.94, -89.14' LT) 737.52 737.37 (HP) +01.83, 75.23' LT 736.57 736.60 (+20.44, -64.27' LT) 736.06 736.78 (LP) 736.97 738.14 738.04 738.02 737.35 738.29 738.25 737.28 736.92 736.86 737.94 737.81 736.84 736.35 737.37 737.32 736.89 736.40 738.14 738.03 737.93 735.87 735.92 735.56 735.48 735.83 735.54 735.38 735.08 735.43 734.93 734.86 734.47 734.40 733.87 733.79 733.28 733.21 733.82 733.74 733.41 733.34 733.03 732.96 732.68 732.60 732.34 732.26 732.80 732.40 732.02 731.66 731.33 731.76 731.43 731.98 731.65 732.20 731.87 732.00 731.67 731.28 730.95 731.18 730.85 731.08 730.75 730.98 730.65 730.76 730.43 730.54 730.21 730.72 730.34 730.01 730.99 731.19 731.75 731.67 732.30 732.22 734.28 732.10 734.26 734.20 734.19 733.93 733.86 733.70 733.13 732.59 733.36 733.29 732.79 732.71 734.34 735.15 735.23 736.56 736.64 737.70 737.16 736.59 735.81 735.43 734.86 738.70 738.39 737.90 737.36 736.79 736.29 735.81 735.34 734.76 734.18 733.60 733.03 732.49 732.00 731.56 731.18 730.85 739.14 739.54 739.69 739.38 739.02 738.59 738.10 737.56 736.98 736.40 735.82 735.24 734.66 734.08 733.50 732.93 732.39 731.90 731.46 731.08 730.75 739.88 740.14 740.27 740.33 740.36 739.90 739.59 739.22 738.79 738.30 737.76 737.15 736.51 735.83 735.15 734.56 733.98 733.40 732.83 732.29 731.80 731.36 730.98 730.65 740.15 740.33 740.46 740.53 740.54 739.93 739.68 739.37 739.00 738.57 738.08 737.54 736.93 736.29 735.61 734.93 734.34 733.76 733.18 732.61 732.07 731.58 731.14 730.76 730.43 739.71 739.89 740.02 740.09 740.10 739.46 739.15 738.78 738.35 737.86 737.32 736.71 736.07 735.39 734.71 734.12 733.54 732.96 732.39 731.85 731.36 730.92 730.54 730.21 739.51 739.69 739.91 739.94 739.90 739.36 739.28 738.60 738.17 737.69 737.15 736.56 735.91 735.24 734.57 733.95 733.34 732.76 732.19 731.75 731.19 730.72 730.34 730.01 739.23 739.41 739.63 740.06 740.16 739.68 739.32 738.89 738.41 737.87 737.25 736.56 735.91 735.23 734.57 733.95 733.34 732.76 732.19 731.75 731.19 730.72 730.34 730.01 740.23 740.41 740.63 740.71 740.68 740.02 739.98 739.68 739.32 738.89 738.41 737.87 737.25 736.64 735.91 735.23 734.57 733.95 733.34 732.76 732.19 731.75 731.19 730.72 730.34 730.01 740.30 740.49 740.61 740.68 740.06 739.75 739.39 738.97 738.49 737.95 737.32 736.71 736.07 735.39 734.71 734.12 733.54 732.96 732.39 731.85 731.36 730.92 730.54 730.21 740.06 739.92 739.82 739.63 739.40 739.12 738.80 738.42 738.01 737.68 737.37 737.32 736.89 736.40 735.87 735.43 734.84 734.24 733.77 733.32 732.90 732.50 732.12 731.76 731.43 739.73 739.95 740.14 740.28 740.38 739.50 739.22 738.89 738.52 738.11 737.76 737.37 737.93 736.84 736.35 735.92 735.38 735.08 734.76 734.14 733.67 733.22 732.40 732.02 731.66 731.33 739.72 739.94 740.17 740.36 740.50 740.60 739.44 739.11 738.74 738.33 737.92 737.48 737.00 736.51 736.03 735.54 735.00 734.46 733.99 733.54 733.12 732.72 732.34 731.98 731.65 739.74 739.97 740.16 740.30 740.40 739.46 739.13 738.76 738.34 737.88 737.39 736.91 736.42 735.94 735.45 734.96 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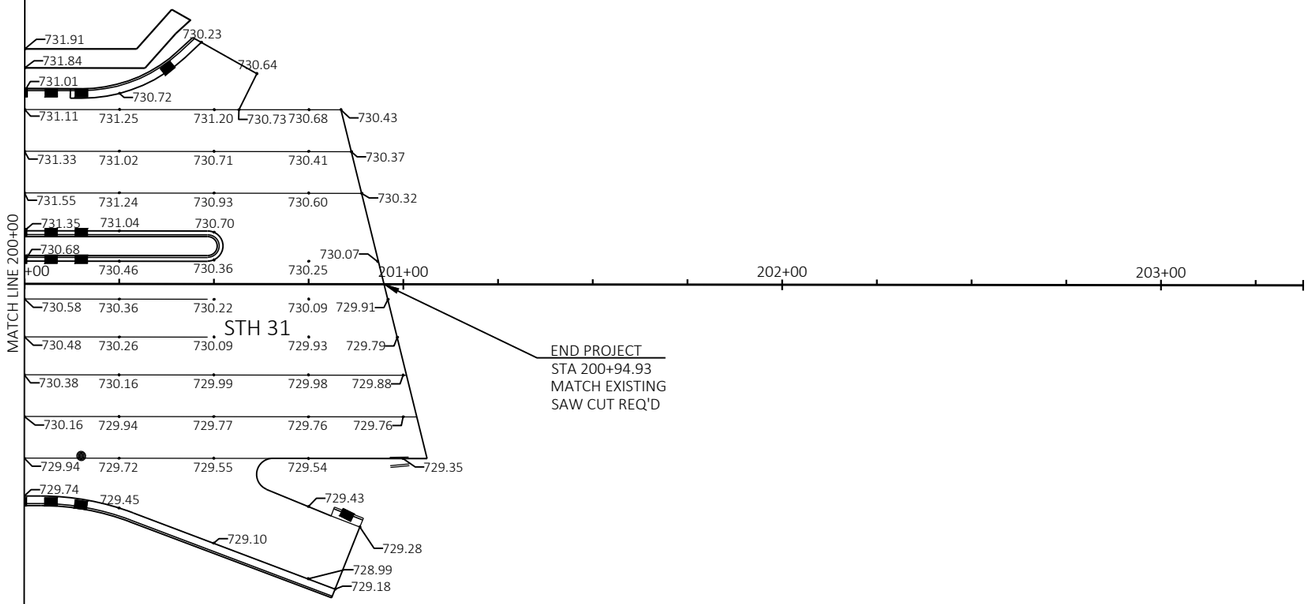
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LAYOUT NAME - 021214-pg

PLOT DATE : 7/29/2025 5:35 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

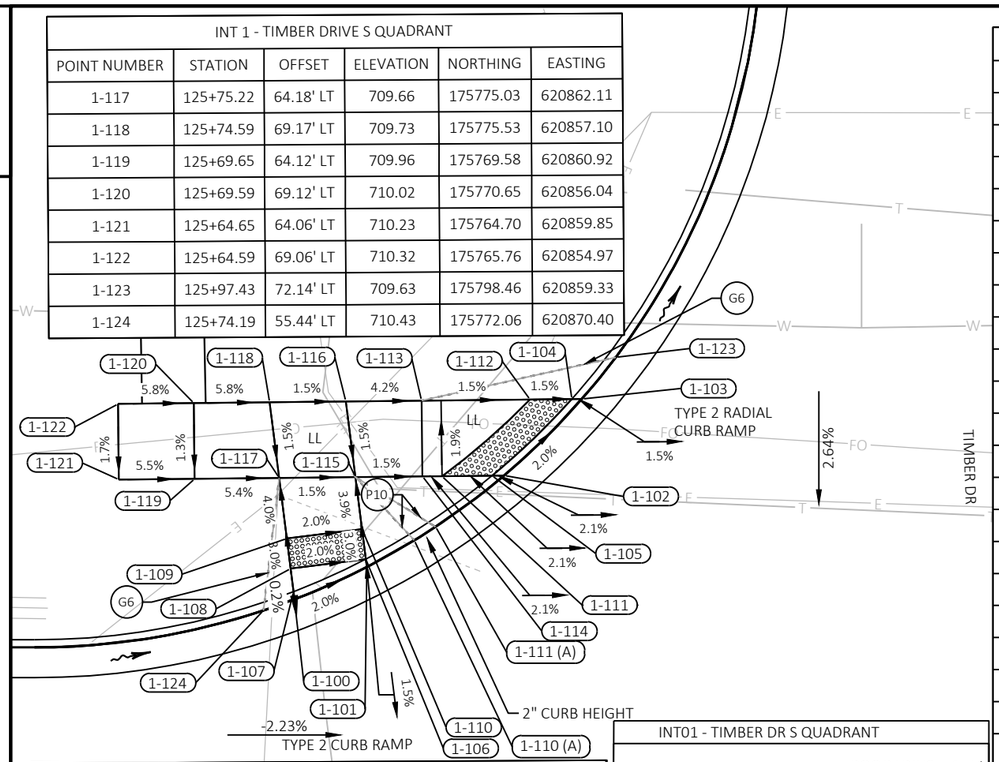
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVING GRADES	SHEET 85	E

2

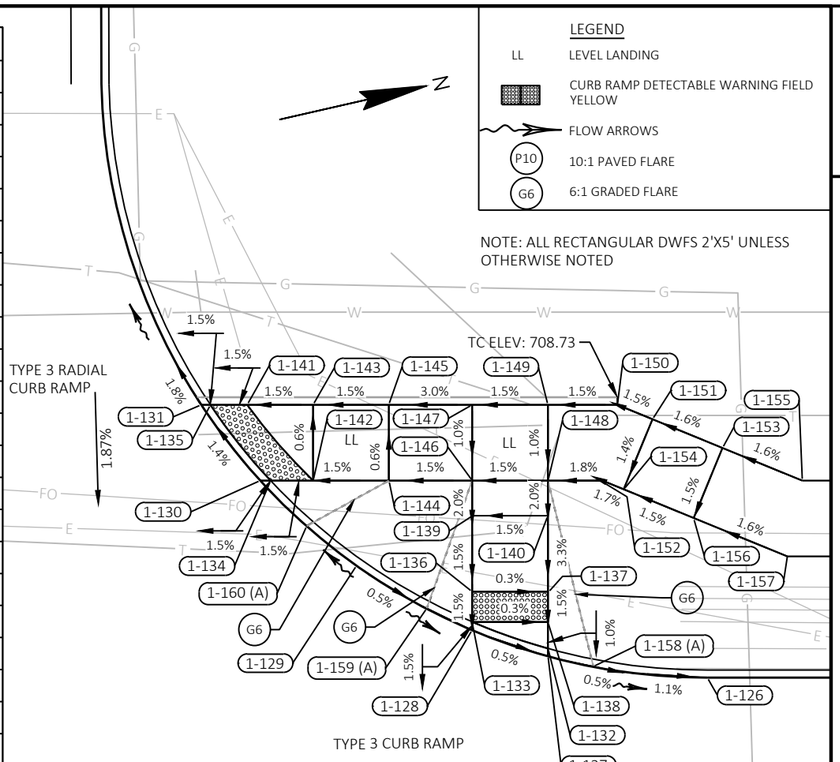
INT 1 - TIMBER DRIVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-117	125+75.22	64.18' LT	709.66	175775.03	620862.11
1-118	125+74.59	69.17' LT	709.73	175775.53	620857.10
1-119	125+69.65	64.12' LT	709.96	175769.58	620860.92
1-120	125+69.59	69.12' LT	710.02	175770.65	620856.04
1-121	125+64.65	64.06' LT	710.23	175764.70	620859.85
1-122	125+64.59	69.06' LT	710.32	175765.76	620854.97
1-123	125+97.43	72.14' LT	709.63	175798.46	620859.33
1-124	125+74.19	55.44' LT	710.43	175772.06	620870.40



INT 1 - TIMBER DRIVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-100	125+76.23	56.17' LT	709.87	175774.21	620870.14
1-101	125+81.00	58.30' LT	709.77	175779.34	620869.14
1-102	125+90.07	64.34' LT	709.40	175789.53	620865.28
1-103	125+95.21	69.39' LT	709.25	175795.67	620861.51
1-104	125+94.54	69.39' LT	709.26	175795.02	620861.37
1-105	125+89.28	64.33' LT	709.42	175788.76	620865.12
1-106	125+80.94	58.83' LT	709.78	175779.40	620868.61
1-107	125+76.17	56.68' LT	709.88	175774.27	620869.63
1-108	125+75.98	58.20' LT	709.88	175774.42	620868.11
1-109	125+75.73	60.17' LT	709.82	175774.62	620866.13
1-110	125+80.69	60.80' LT	709.72	175779.60	620866.63
1-110 (A)	125+84.14	60.06' LT	709.98	175782.79	620868.12
1-111	125+85.97	64.29' LT	709.49	175785.53	620864.41
1-111 (A)	125+85.55	60.96' LT	709.92	175784.37	620867.56
1-112	125+91.78	69.36' LT	709.30	175792.32	620860.78
1-113	125+84.63	69.28' LT	710.92	175785.33	620859.25
1-114	125+84.68	64.28' LT	709.51	175784.27	620864.13
1-115	125+80.26	64.23' LT	709.58	175779.94	620863.19
1-116	125+79.63	69.23' LT	709.66	175780.45	620858.18

INT01 - TIMBER DR S QUADRANT
BOC RADIUS = 47.5'
CURB RAMP LANDING LENGTH ('XR') = 9.49'
RADIAL CHORD LENGTH = 7.29'
RADIAL WARNING FIELD AREA = 15 SF

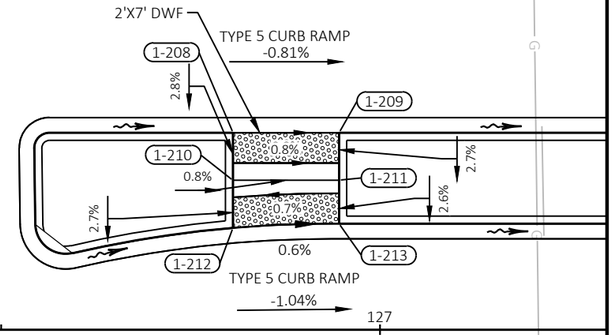
INT 1 - TIMBER DRIVE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-126	127+06.84	51.00' LT	708.17	175900.33	620904.47
1-127	126+96.31	52.44' LT	708.26	175890.39	620900.70
1-128	126+91.31	54.15' LT	708.29	175885.90	620897.92
1-129	126+83.67	58.39' LT	708.32	175879.41	620892.07
1-130	126+77.32	64.00' LT	708.23	175874.48	620885.18
1-131	126+73.43	69.00' LT	708.15	175871.82	620879.43
1-132	126+96.31	52.93' LT	708.26	175890.50	620900.23
1-133	126+91.31	54.68' LT	708.29	175886.02	620897.40
1-134	126+78.00	64.00' LT	708.24	175875.15	620885.33
1-135	126+74.03	69.00' LT	708.15	175872.40	620879.57
1-136	126+91.31	56.68' LT	708.32	175886.47	620895.45
1-137	126+96.31	56.68' LT	708.31	175891.34	620896.57
1-138	126+96.31	54.68' LT	708.28	175890.90	620898.52
1-139	126+91.31	61.68' LT	708.40	175887.59	620890.58
1-140	126+96.31	61.68' LT	708.47	175892.47	620891.70
1-141	126+76.46	69.00' LT	708.19	175874.77	620880.11
1-142	126+80.81	64.00' LT	708.29	175877.88	620885.96
1-143	126+80.81	69.00' LT	708.26	175879.00	620881.09
1-144	126+85.81	64.00' LT	708.36	175882.76	620887.08
1-145	126+85.81	69.00' LT	708.33	175883.88	620882.21
1-146	126+91.31	64.00' LT	708.44	175888.11	620888.32
1-147	126+91.31	69.00' LT	708.50	175889.24	620883.44
1-148	126+96.31	64.00' LT	708.52	175892.99	620889.44
1-149	126+96.31	69.00' LT	708.57	175894.11	620884.56
1-150	127+00.90	69.00' LT	708.64	175898.58	620885.59
1-151	127+03.20	68.06' LT	708.68	175900.62	620887.03
1-152	126+99.91	64.00' LT	708.58	175896.50	620890.24
1-153	127+07.83	66.16' LT	708.76	175904.70	620889.92
1-154	127+01.31	63.43' LT	708.61	175897.73	620891.11
1-155	127+13.09	64.00' LT	708.85	175909.34	620893.20
1-156	127+05.93	61.53' LT	708.69	175901.81	620894.00



INT01 - TIMBER DR N QUADRANT
BOC RADIUS = 39.5'
CURB RAMP LANDING LENGTH ('XR') = 8.97'
RADIAL CHORD LENGTH = 6.37'
RADIAL WARNING FIELD AREA = 13.05 SF

INT 1 - TIMBER DRIVE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-157	127+12.10	59.00' LT	708.79	175907.26	620897.86
1-158 (A)	126+99.30	51.74' LT	708.74	175893.16	620902.06
1-159 (A)	126+88.31	55.58' LT	708.30	175883.30	620895.85
1-160 (A)	126+80.39	61.01' LT	708.78	175876.80	620888.78

INT 1 - TIMBER DRIVE (N MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-208	126+90.31	13.00' LT	708.41	175875.70	620937.80
1-209	126+97.31	13.00' LT	708.35	175882.52	620939.37
1-210	126+90.31	9.86' LT	708.32	175875.00	620940.85
1-211	126+97.31	9.86' LT	708.27	175881.82	620942.42
1-212	126+90.31	6.72' LT	708.24	175874.29	620943.91
1-213	126+97.31	7.00' LT	708.19	175881.18	620945.21



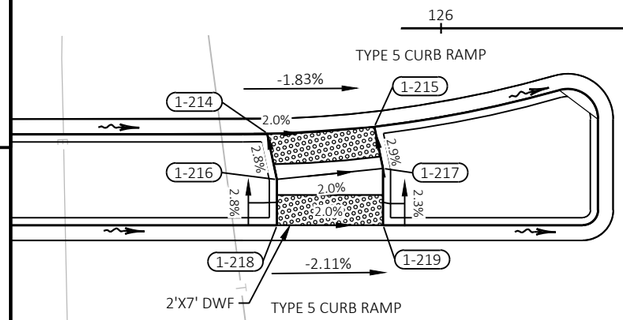
STH 31

126

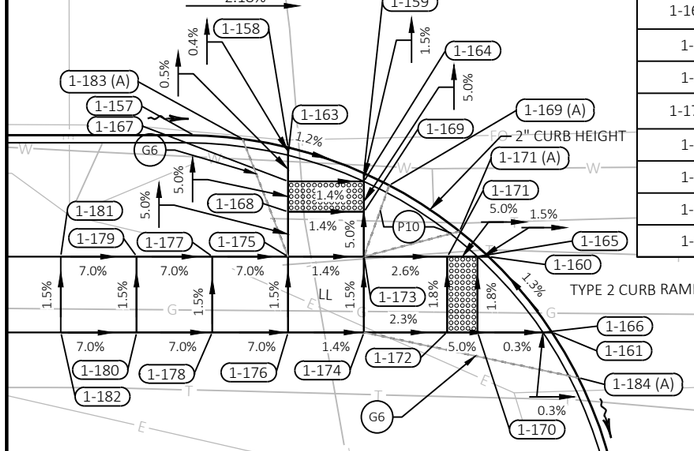
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 86	E

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LAYOUT NAME - 021301
PLOT DATE : 7/15/2025 12:13 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

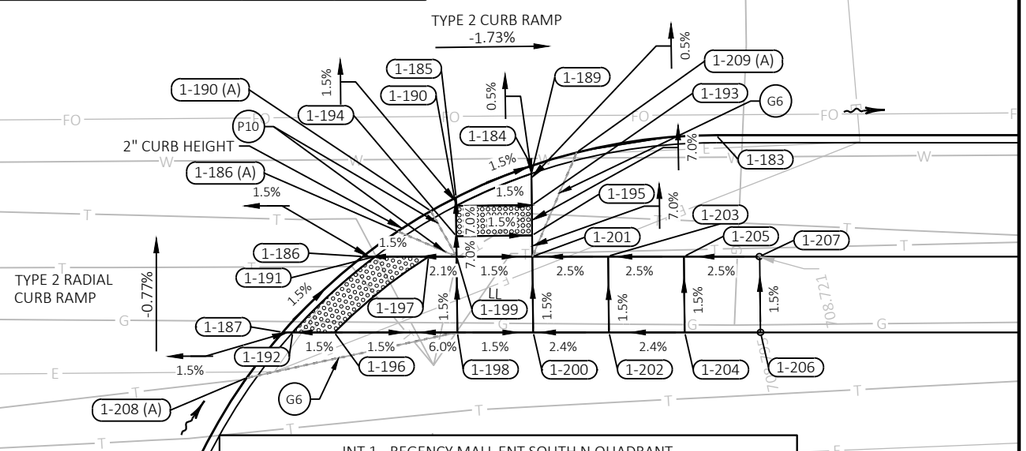


INT 1 - REGENCY MALL ENT SOUTH (S MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-214	125+88.53	6.94' RT	709.81	175772.05	620934.41
1-215	125+95.59	6.49' RT	709.67	175779.03	620935.55
1-216	125+89.17	9.98' RT	709.90	175771.99	620937.51
1-217	125+96.17	9.25' RT	709.76	175778.98	620938.37
1-218	125+89.17	13.00' RT	709.98	175771.31	620940.45
1-219	125+96.17	13.00' RT	709.84	175778.13	620942.02



INT 1 - REGENCY MALL ENT SOUTH S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-176	125+90.17	64.00' RT	710.02	175760.85	620990.38
1-177	125+85.17	59.00' RT	710.30	175757.10	620984.38
1-178	125+85.17	64.00' RT	710.37	175755.98	620989.26
1-179	125+80.17	59.00' RT	710.65	175752.23	620983.26
1-180	125+80.17	64.00' RT	710.72	175751.10	620988.14
1-181	125+75.17	59.00' RT	711.00	175747.35	620982.14
1-182	125+75.17	64.00' RT	711.07	175746.23	620987.01
1-183 (A)	125+87.17	51.25' RT	710.24	175760.79	620977.28

INT 1 - REGENCY MALL ENT SOUTH S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-157	125+83.95	51.01' RT	709.79	175757.70	620976.32
1-158	125+90.17	51.80' RT	709.69	175763.59	620978.49
1-159	125+95.17	53.50' RT	709.62	175768.08	620981.27
1-160	126+03.40	59.00' RT	709.62	175774.87	620988.47
1-161	126+07.59	64.00' RT	709.71	175777.82	620994.28
1-163	125+90.17	52.32' RT	709.69	175763.47	620978.99
1-164	125+95.17	54.04' RT	709.63	175767.96	620981.80
1-165	126+02.67	59.00' RT	709.63	175774.15	620988.31
1-166	126+06.99	64.00' RT	709.71	175777.24	620994.15
1-167	125+90.17	54.04' RT	709.70	175763.08	620980.68
1-168	125+90.17	56.04' RT	709.80	175762.63	620982.62
1-169	125+95.17	56.04' RT	709.73	175767.51	620983.75
1-169 (A)	125+96.84	54.30' RT	709.78	175769.52	620982.42
1-170	126+02.67	64.00' RT	709.72	175773.03	620993.18
1-171	126+00.68	58.99' RT	709.73	175772.22	620987.86
1-171 (A)	126+01.48	57.34' RT	709.77	175773.36	620986.42
1-172	126+00.66	63.99' RT	709.82	175771.07	620992.72
1-173	125+95.17	59.00' RT	709.88	175766.84	620986.63
1-174	125+95.17	64.00' RT	709.95	175765.72	620991.50
1-175	125+90.17	59.00' RT	709.95	175761.97	620985.51



INT 1 - REGENCY MALL ENT SOUTH N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-183	127+09.10	51.00' RT	707.94	175879.66	621004.38
1-184	126+96.90	53.00' RT	708.10	175867.33	621003.59
1-185	126+91.92	55.10' RT	708.18	175862.00	621004.52
1-186	126+85.77	59.00' RT	708.32	175855.13	621006.94
1-186 (A)	126+88.09	57.33' RT	708.44	175857.77	621005.84
1-187	126+80.47	64.00' RT	708.43	175848.85	621010.63
1-189	126+96.91	53.54' RT	708.11	175867.21	621004.12
1-190	126+91.93	55.66' RT	708.19	175861.88	621005.07
1-190 (A)	126+90.27	56.00' RT	708.39	175860.19	621005.03
1-191	126+86.60	59.00' RT	708.33	175855.94	621007.13

INT 1 - REGENCY MALL ENT SOUTH N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-192	126+81.15	64.00' RT	708.44	175849.51	621010.78
1-193	126+96.93	55.61' RT	708.12	175866.77	621006.14
1-194	126+91.95	57.66' RT	708.33	175861.46	621007.03
1-195	126+96.95	57.61' RT	708.26	175866.34	621008.09
1-196	126+83.89	64.00' RT	708.48	175852.18	621011.40
1-197	126+90.12	59.00' RT	708.39	175859.37	621007.92
1-198	126+92.02	64.00' RT	708.50	175860.10	621013.22
1-199	126+91.96	59.00' RT	708.43	175861.17	621008.33
1-200	126+97.02	64.00' RT	708.43	175864.97	621014.34
1-201	126+96.96	59.00' RT	708.35	175866.04	621009.45

INT 1 - REGENCY MALL ENT SOUTH N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-202	127+02.02	64.00' RT	708.55	175869.85	621015.46
1-203	127+01.96	59.00' RT	708.48	175870.92	621010.58
1-204	127+07.02	64.00' RT	708.67	175874.72	621016.58
1-205	127+06.96	59.00' RT	708.60	175875.79	621011.70
1-206	127+12.02	64.00' RT	708.79	175879.59	621017.70
1-207	127+11.96	59.00' RT	708.72	175880.66	621012.82
1-208 (A)	126+78.14	67.00' RT	709.02	175845.90	621013.03
1-209 (A)	126+99.89	52.14' RT	708.56	175870.43	621003.42

INT01 - REGENCY MALL ENT SOUTH N QUADRANT
BOC RADIUS = 37.5'
CURB RAMP LANDING LENGTH ('XR') = 9.74'
RADIAL CHORD LENGTH = 7.40'
RADIAL WARNING FIELD AREA = 15.08 SF

REGENCY MALL ENT SOUTH

LEGEND

LL	LEVEL LANDING
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
	FLOW ARROWS
P10	10:1 PAVED FLARE
G6	6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 87	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021302
PLOT DATE : 7/15/2025 12:13 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

LL LEVEL LANDING

CURB RAMP DETECTABLE WARNING FIELD YELLOW

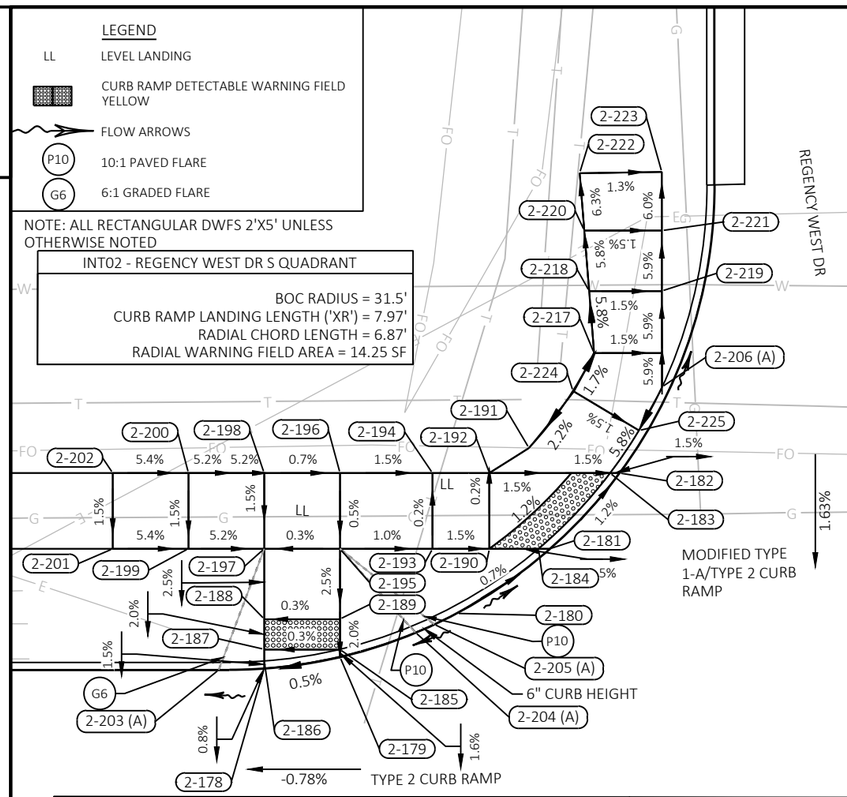
FLOW ARROWS

P10 10:1 PAVED FLARE

G6 6:1 GRADED FLARE

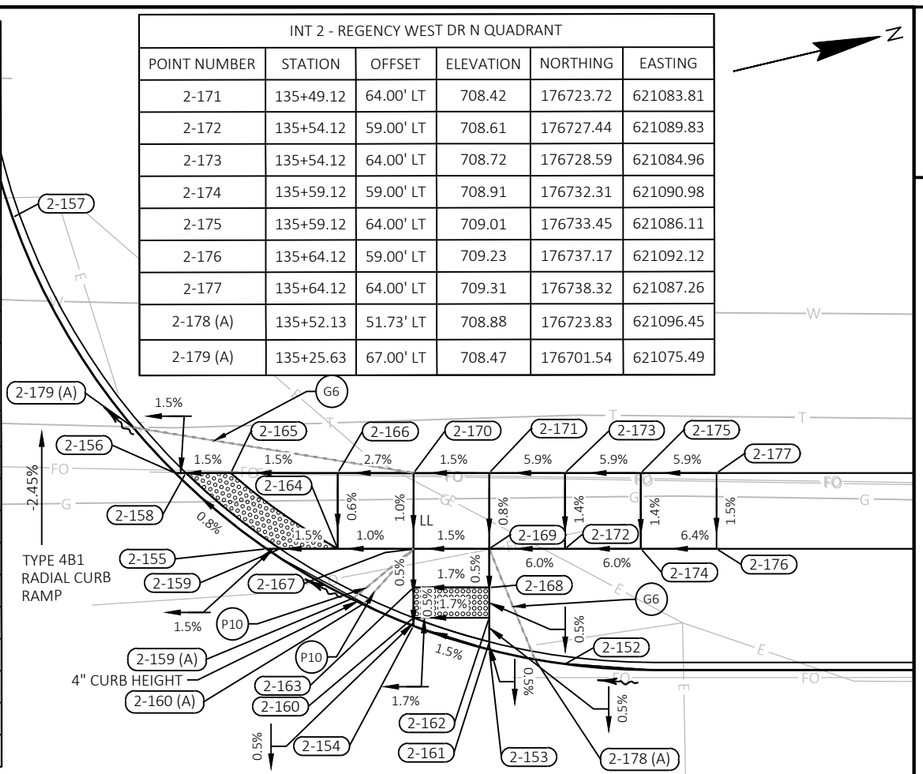
NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

INT02 - REGENCY WEST DR S QUADRANT
BOC RADIUS = 31.5'
CURB RAMP LANDING LENGTH ('XR') = 7.97'
RADIAL CHORD LENGTH = 6.87'
RADIAL WARNING FIELD AREA = 14.25 SF



INT 2 - REGENCY WEST DR N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-152	135+54.12	51.39' LT	708.37	176725.68	621097.23
2-153	135+49.12	52.34' LT	708.35	176721.04	621095.16
2-154	135+44.12	53.91' LT	708.20	176716.54	621092.49
2-155	135+34.42	59.00' LT	708.11	176708.26	621085.30
2-156	135+28.40	64.00' LT	708.05	176703.55	621079.05
2-157	135+17.66	80.84' LT	707.29	176696.97	621060.19
2-158	135+29.11	64.00' LT	708.06	176704.24	621079.22
2-159	135+35.31	59.00' LT	708.12	176709.13	621085.51
2-159 (A)	135+40.19	55.76' LT	708.54	176713.14	621089.78
2-160	135+44.12	54.44' LT	708.27	176716.66	621091.97
2-160 (A)	135+40.86	55.40' LT	708.55	176713.70	621090.29
2-161	135+49.12	52.86' LT	708.35	176721.16	621094.66
2-162	135+49.12	54.44' LT	708.36	176721.53	621093.12
2-163	135+44.12	56.44' LT	708.28	176717.12	621090.02
2-164	135+39.12	59.00' LT	708.18	176712.84	621086.38
2-165	135+32.07	64.00' LT	708.11	176707.12	621079.89
2-166	135+39.12	64.00' LT	708.21	176713.99	621081.52
2-167	135+44.12	59.00' LT	708.23	176717.71	621087.53
2-168	135+49.12	56.44' LT	708.37	176721.99	621091.17
2-169	135+49.12	59.00' LT	708.38	176722.57	621088.68
2-170	135+44.14	64.00' LT	708.35	176718.87	621082.67

INT 2 - REGENCY WEST DR N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-171	135+49.12	64.00' LT	708.42	176723.72	621083.81
2-172	135+54.12	59.00' LT	708.61	176727.44	621089.83
2-173	135+54.12	64.00' LT	708.72	176728.59	621084.96
2-174	135+59.12	59.00' LT	708.91	176732.31	621090.98
2-175	135+59.12	64.00' LT	709.01	176733.45	621086.11
2-176	135+64.12	59.00' LT	709.23	176737.17	621092.12
2-177	135+64.12	64.00' LT	709.31	176738.32	621087.26
2-178 (A)	135+52.13	51.73' LT	708.88	176723.83	621096.45
2-179 (A)	135+25.63	67.00' LT	708.47	176701.54	621075.49



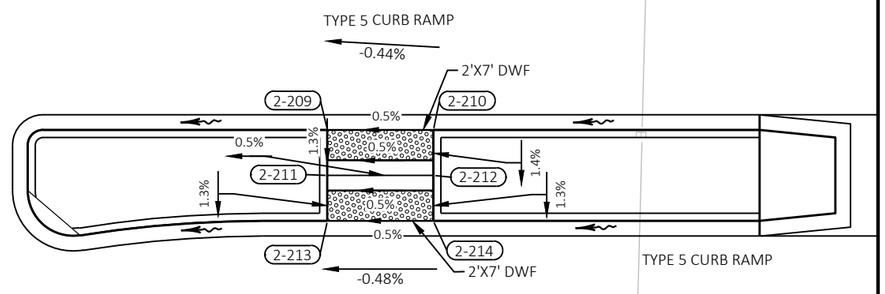
INT02 - REGENCY WEST DR N QUADRANT
BOC RADIUS = 37.5'
CURB RAMP LANDING LENGTH ('XR') = 5.49'
RADIAL CHORD LENGTH = 6.37'
RADIAL WARNING FIELD AREA = 13.05 SF

INT 2 - REGENCY WEST DR S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-178	134+36.40	51.08' LT	707.81	176611.04	621070.49
2-179	134+41.41	51.84' LT	707.83	176616.09	621070.90
2-180	134+49.13	54.74' LT	707.87	176624.27	621069.86
2-181	134+55.23	59.00' LT	707.82	176631.19	621067.11
2-182	134+59.84	64.00' LT	707.44	176636.83	621063.31
2-183	134+59.24	64.00' LT	707.75	176636.24	621063.17
2-184	134+54.52	59.00' LT	707.83	176630.49	621066.95
2-185	134+41.41	52.36' LT	707.84	176616.21	621070.40
2-186	134+36.41	51.58' LT	707.81	176611.17	621070.01
2-187	134+36.41	52.37' LT	707.83	176611.35	621069.24
2-188	134+36.41	54.36' LT	707.86	176611.80	621067.31
2-189	134+41.41	54.36' LT	707.88	176616.67	621068.46
2-190	134+51.27	59.00' LT	707.88	176627.33	621066.20
2-191	134+53.88	65.65' LT	707.90	176631.40	621060.33
2-192	134+51.27	64.00' LT	707.87	176628.48	621061.34
2-193	134+47.52	59.00' LT	707.93	176623.68	621065.34
2-194	134+47.52	64.00' LT	707.92	176624.83	621060.47
2-195	134+41.41	59.00' LT	707.99	176617.74	621063.94
2-196	134+41.41	64.00' LT	708.02	176618.88	621059.07

INT 2 - REGENCY WEST DR S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-197	134+36.41	59.00' LT	707.98	176612.87	621062.79
2-198	134+36.41	64.00' LT	708.06	176614.02	621057.92
2-199	134+31.41	59.00' LT	708.24	176608.00	621061.64
2-200	134+31.41	64.00' LT	708.32	176609.15	621056.77
2-201	134+26.41	59.00' LT	708.51	176603.14	621060.49
2-202	134+26.41	64.00' LT	708.59	176604.28	621055.63
2-203 (A)	134+33.41	51.01' LT	708.29	176608.12	621069.88
2-204 (A)	134+46.38	53.48' LT	708.36	176621.31	621070.45
2-205 (A)	134+47.62	54.01' LT	708.36	176622.64	621070.22
2-206 (A)	134+62.66	69.67' LT	708.12	176640.87	621058.43
2-217	134+58.18	71.92' LT	708.05	176637.03	621055.22
2-218	134+57.85	76.00' LT	707.82	176637.65	621051.17
2-219	134+62.65	76.00' LT	707.75	176642.32	621052.27
2-220	134+57.53	80.00' LT	707.60	176638.25	621047.20
2-221	134+62.65	80.00' LT	707.52	176643.23	621048.38
2-222	134+57.23	83.78' LT	707.35	176638.82	621043.45
2-223	134+62.64	83.86' LT	707.28	176644.11	621044.62
2-224	134+56.78	69.41' LT	708.08	176635.09	621057.33
2-225	134+61.13	66.81' LT	707.93	176638.73	621060.87

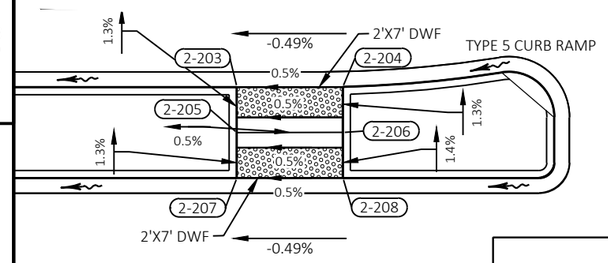
STH 31

INT 2 - REGENCY WEST DR (N MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-209	135+40.82	13.00' LT	708.51	176703.92	621131.54
2-210	135+47.82	13.00' LT	708.55	176710.74	621133.15
2-211	135+40.82	10.00' LT	708.47	176703.23	621134.46
2-212	135+47.82	10.00' LT	708.51	176710.05	621136.07
2-213	135+40.82	7.00' LT	708.43	176702.54	621137.38
2-214	135+47.82	7.00' LT	708.47	176709.36	621138.99



135

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 88	E



TYPE 5 CURB RAMP

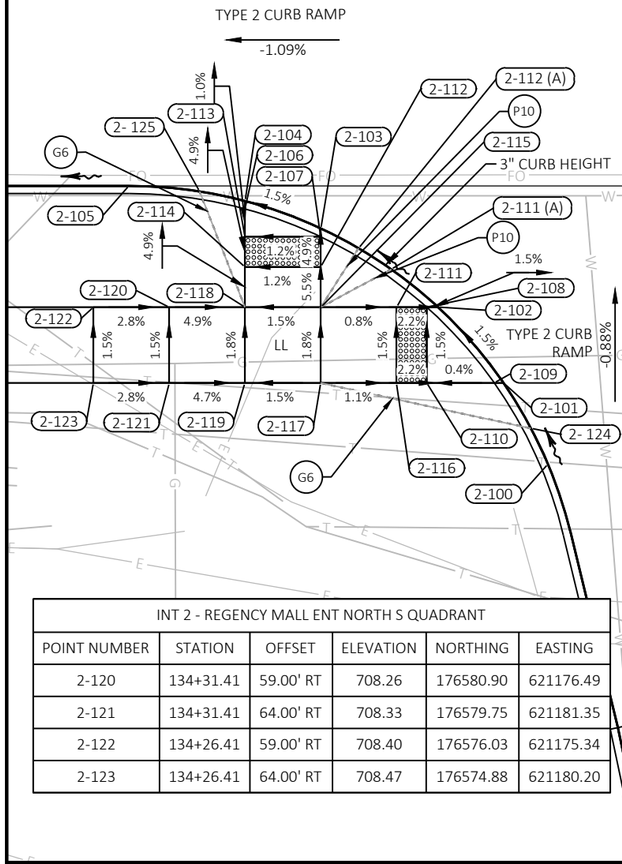
INT 2 - REGENCY MALL ENT (S MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-203	134+35.41	7.00' RT	707.89	176596.74	621126.79
2-204	134+42.41	6.98' RT	707.92	176603.55	621128.39
2-205	134+35.41	10.00' RT	707.93	176596.05	621129.71
2-206	134+42.41	9.99' RT	707.96	176602.86	621131.31
2-207	134+35.41	13.00' RT	707.97	176595.36	621132.63
2-208	134+42.41	13.00' RT	708.00	176602.17	621134.24

INT 2 - REGENCY MALL ENT NORTH N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-125	135+26.12	64.00' RT	708.13	176671.93	621203.11
2-126	135+30.35	59.00' RT	708.05	176677.19	621199.21
2-128	135+34.78	55.60' RT	708.01	176682.29	621196.92
2-129	135+41.80	52.36' RT	708.05	176689.87	621195.38
2-130	135+46.80	51.26' RT	708.10	176694.99	621195.46
2-131	135+46.80	51.76' RT	708.11	176694.87	621195.95
2-132	135+41.80	52.89' RT	708.06	176689.74	621195.89
2-133	135+31.09	59.00' RT	708.06	176677.92	621199.38
2-134	135+26.63	64.00' RT	708.13	176672.43	621203.22
2-135	135+31.09	64.00' RT	708.13	176676.77	621204.25
2-136	135+33.09	59.00' RT	708.14	176679.86	621199.84
2-136 (A)	135+34.68	55.67' RT	708.34	176682.17	621196.96
2-137	135+41.80	54.89' RT	708.20	176689.28	621197.84
2-137 (A)	135+38.47	53.63' RT	708.36	176686.33	621195.85
2-138	135+46.80	52.89' RT	708.13	176694.61	621197.04

INT 2 - REGENCY MALL ENT NORTH N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-139	135+46.80	54.89' RT	708.27	176694.15	621198.99
2-141	135+33.09	64.00' RT	708.21	176678.72	621204.71
2-142	135+38.09	64.00' RT	708.41	176683.58	621205.86
2-143	135+38.09	59.00' RT	708.34	176684.73	621200.99
2-144	135+41.80	64.00' RT	708.56	176687.19	621206.71
2-145	135+41.80	59.00' RT	708.48	176688.34	621201.84
2-146	135+46.80	64.00' RT	708.63	176692.06	621207.86
2-147	135+46.80	59.00' RT	708.55	176693.21	621202.99
2-148	135+51.80	64.00' RT	708.98	176696.92	621209.00
2-149	135+51.80	59.00' RT	708.90	176698.07	621204.14
2-150	135+56.80	64.00' RT	709.35	176701.79	621210.15
2-151	135+56.80	59.00' RT	709.27	176702.94	621205.29
2-215	135+24.21	67.00' RT	708.71	176669.39	621205.59
2-216	135+49.80	51.02' RT	708.62	176697.96	621195.91

STH 31

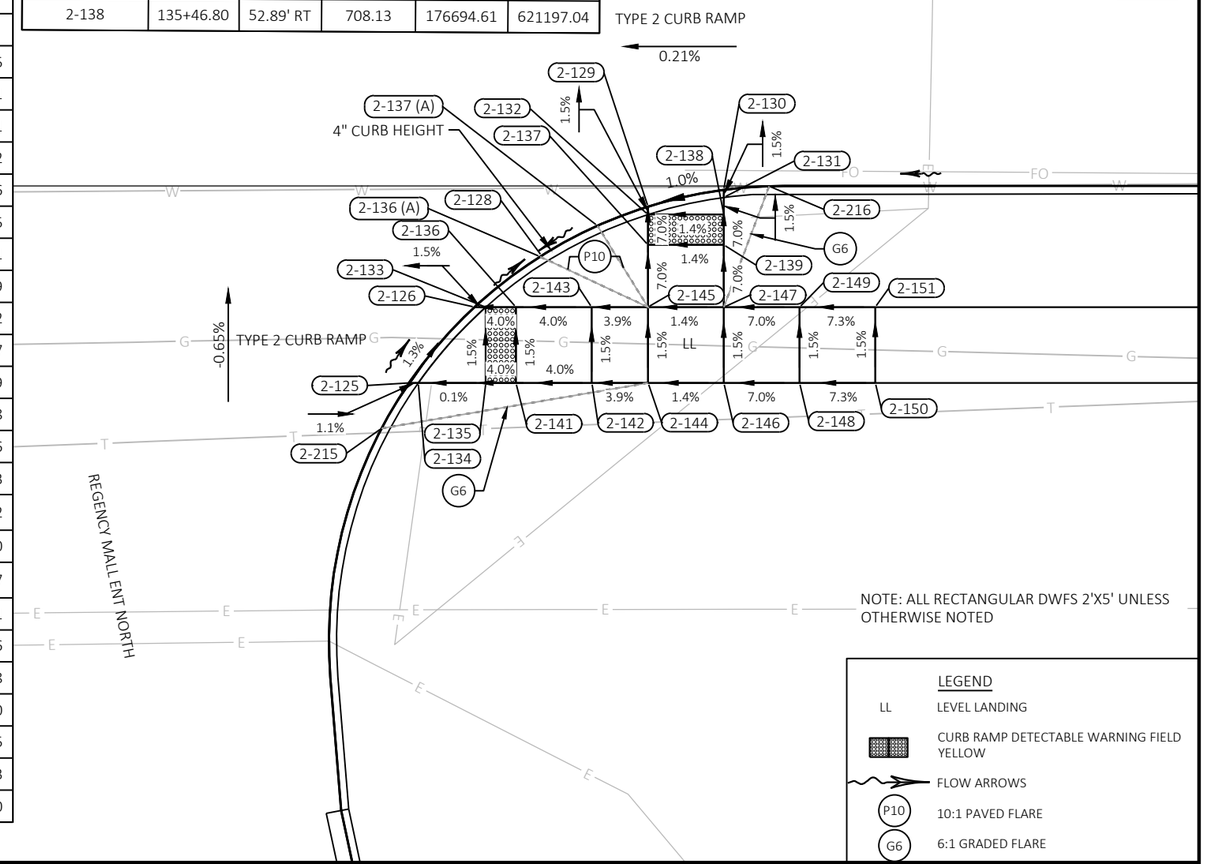
TYPE 2 CURB RAMP



INT 2 - REGENCY MALL ENT NORTH S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-120	134+31.41	59.00' RT	708.26	176580.90	621176.49
2-121	134+31.41	64.00' RT	708.33	176579.75	621181.35
2-122	134+26.41	59.00' RT	708.40	176576.03	621175.34
2-123	134+26.41	64.00' RT	708.47	176574.88	621180.20

INT 2 - REGENCY MALL ENT NORTH S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2- 124	134+55.27	67.00' RT	708.49	176602.29	621189.75
2- 125	134+33.41	51.36' RT	707.91	176584.60	621169.51
2-100	134+56.40	69.36' RT	708.04	176602.85	621192.31
2-101	134+53.47	64.00' RT	708.09	176601.23	621186.42
2-102	134+49.15	59.00' RT	707.99	176598.17	621180.56
2-103	134+41.41	53.82' RT	707.84	176591.82	621173.75
2-104	134+36.41	51.99' RT	707.76	176587.37	621170.81
2-105	134+28.75	51.00' RT	708.15	176580.15	621168.09
2-106	134+36.41	52.51' RT	707.76	176587.26	621171.32
2-107	134+41.41	54.36' RT	707.84	176591.70	621174.27
2-108	134+48.41	59.00' RT	708.00	176597.44	621180.39
2-109	134+52.86	64.00' RT	708.10	176600.63	621186.28
2-110	134+48.41	64.00' RT	708.08	176596.30	621185.26
2-111	134+46.42	59.00' RT	708.05	176595.51	621179.93
2-111 (A)	134+46.06	56.50' RT	708.26	176595.74	621177.42
2-112	134+41.41	56.35' RT	707.94	176591.24	621176.20
2-112 (A)	134+43.90	55.11' RT	707.89	176593.95	621175.57
2-113	134+36.41	54.35' RT	707.78	176586.83	621173.11
2-114	134+36.41	56.35' RT	707.88	176586.37	621175.06
2-115	134+41.41	59.00' RT	708.09	176590.63	621178.78
2-116	134+46.41	64.00' RT	708.12	176594.35	621184.80
2-117	134+41.41	64.00' RT	708.18	176589.48	621183.65
2-118	134+36.41	59.00' RT	708.01	176585.77	621177.63
2-119	134+36.41	64.00' RT	708.10	176584.62	621182.50

TYPE 2 CURB RAMP



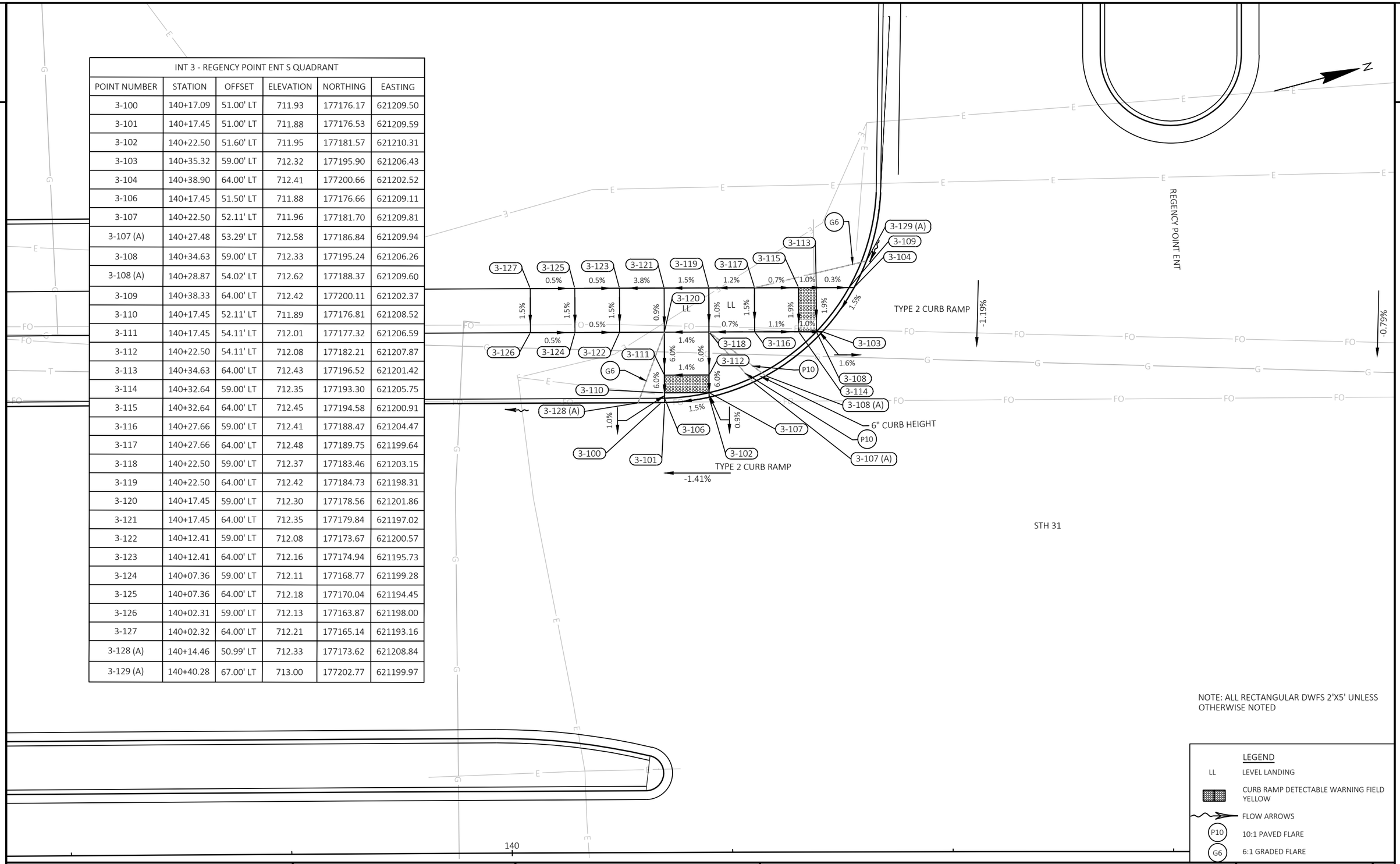
NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 89	E

INT 3 - REGENCY POINT ENT S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-100	140+17.09	51.00' LT	711.93	177176.17	621209.50
3-101	140+17.45	51.00' LT	711.88	177176.53	621209.59
3-102	140+22.50	51.60' LT	711.95	177181.57	621210.31
3-103	140+35.32	59.00' LT	712.32	177195.90	621206.43
3-104	140+38.90	64.00' LT	712.41	177200.66	621202.52
3-106	140+17.45	51.50' LT	711.88	177176.66	621209.11
3-107	140+22.50	52.11' LT	711.96	177181.70	621209.81
3-107 (A)	140+27.48	53.29' LT	712.58	177186.84	621209.94
3-108	140+34.63	59.00' LT	712.33	177195.24	621206.26
3-108 (A)	140+28.87	54.02' LT	712.62	177188.37	621209.60
3-109	140+38.33	64.00' LT	712.42	177200.11	621202.37
3-110	140+17.45	52.11' LT	711.89	177176.81	621208.52
3-111	140+17.45	54.11' LT	712.01	177177.32	621206.59
3-112	140+22.50	54.11' LT	712.08	177182.21	621207.87
3-113	140+34.63	64.00' LT	712.43	177196.52	621201.42
3-114	140+32.64	59.00' LT	712.35	177193.30	621205.75
3-115	140+32.64	64.00' LT	712.45	177194.58	621200.91
3-116	140+27.66	59.00' LT	712.41	177188.47	621204.47
3-117	140+27.66	64.00' LT	712.48	177189.75	621199.64
3-118	140+22.50	59.00' LT	712.37	177183.46	621203.15
3-119	140+22.50	64.00' LT	712.42	177184.73	621198.31
3-120	140+17.45	59.00' LT	712.30	177178.56	621201.86
3-121	140+17.45	64.00' LT	712.35	177179.84	621197.02
3-122	140+12.41	59.00' LT	712.08	177173.67	621200.57
3-123	140+12.41	64.00' LT	712.16	177174.94	621195.73
3-124	140+07.36	59.00' LT	712.11	177168.77	621199.28
3-125	140+07.36	64.00' LT	712.18	177170.04	621194.45
3-126	140+02.31	59.00' LT	712.13	177163.87	621198.00
3-127	140+02.32	64.00' LT	712.21	177165.14	621193.16
3-128 (A)	140+14.46	50.99' LT	712.33	177173.62	621208.84
3-129 (A)	140+40.28	67.00' LT	713.00	177202.77	621199.97



NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 90	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021305

PLOT DATE : 7/15/2025 12:13 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

LL LEVEL LANDING

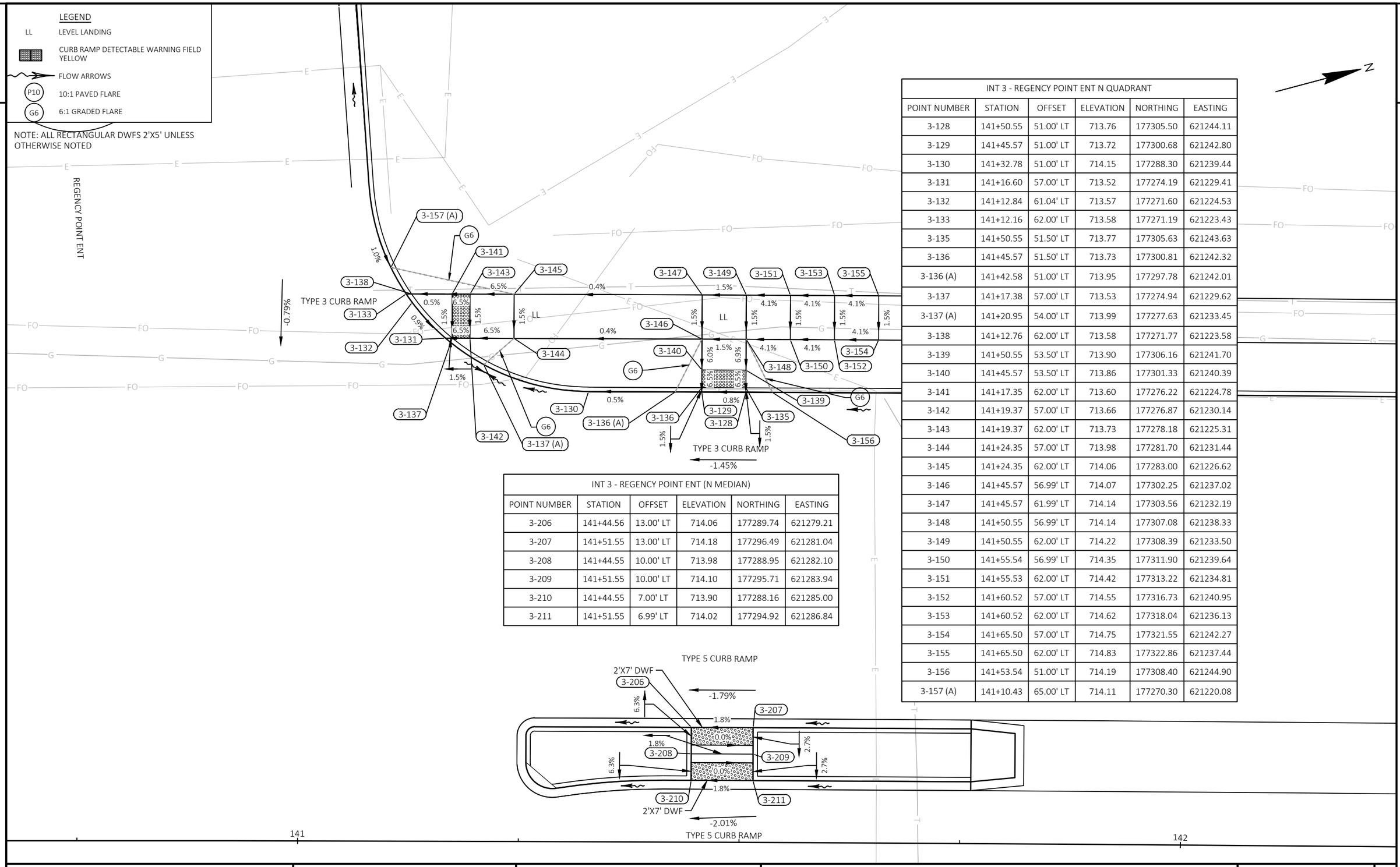
CURB RAMP DETECTABLE WARNING FIELD YELLOW

FLOW ARROWS

P10 10:1 PAVED FLARE

G6 6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED



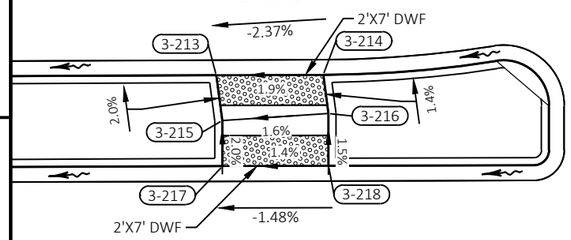
INT 3 - REGENCY POINT ENT N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-128	141+50.55	51.00' LT	713.76	177305.50	621244.11
3-129	141+45.57	51.00' LT	713.72	177300.68	621242.80
3-130	141+32.78	51.00' LT	714.15	177288.30	621239.44
3-131	141+16.60	57.00' LT	713.52	177274.19	621229.41
3-132	141+12.84	61.04' LT	713.57	177271.60	621224.53
3-133	141+12.16	62.00' LT	713.58	177271.19	621223.43
3-135	141+50.55	51.50' LT	713.77	177305.63	621243.63
3-136	141+45.57	51.50' LT	713.73	177300.81	621242.32
3-136 (A)	141+42.58	51.00' LT	713.95	177297.78	621242.01
3-137	141+17.38	57.00' LT	713.53	177274.94	621229.62
3-137 (A)	141+20.95	54.00' LT	713.99	177277.63	621233.45
3-138	141+12.76	62.00' LT	713.58	177271.77	621223.58
3-139	141+50.55	53.50' LT	713.90	177306.16	621241.70
3-140	141+45.57	53.50' LT	713.86	177301.33	621240.39
3-141	141+17.35	62.00' LT	713.60	177276.22	621224.78
3-142	141+19.37	57.00' LT	713.66	177276.87	621230.14
3-143	141+19.37	62.00' LT	713.73	177278.18	621225.31
3-144	141+24.35	57.00' LT	713.98	177281.70	621231.44
3-145	141+24.35	62.00' LT	714.06	177283.00	621226.62
3-146	141+45.57	56.99' LT	714.07	177302.25	621237.02
3-147	141+45.57	61.99' LT	714.14	177303.56	621232.19
3-148	141+50.55	56.99' LT	714.14	177307.08	621238.33
3-149	141+50.55	62.00' LT	714.22	177308.39	621233.50
3-150	141+55.54	56.99' LT	714.35	177311.90	621239.64
3-151	141+55.53	62.00' LT	714.42	177313.22	621234.81
3-152	141+60.52	57.00' LT	714.55	177316.73	621240.95
3-153	141+60.52	62.00' LT	714.62	177318.04	621236.13
3-154	141+65.50	57.00' LT	714.75	177321.55	621242.27
3-155	141+65.50	62.00' LT	714.83	177322.86	621237.44
3-156	141+53.54	51.00' LT	714.19	177308.40	621244.90
3-157 (A)	141+10.43	65.00' LT	714.11	177270.30	621220.08

INT 3 - REGENCY POINT ENT (N MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-206	141+44.56	13.00' LT	714.06	177289.74	621279.21
3-207	141+51.55	13.00' LT	714.18	177296.49	621281.04
3-208	141+44.55	10.00' LT	713.98	177288.95	621282.10
3-209	141+51.55	10.00' LT	714.10	177295.71	621283.94
3-210	141+44.55	7.00' LT	713.90	177288.16	621285.00
3-211	141+51.55	6.99' LT	714.02	177294.92	621286.84

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 91	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021306

PLOT DATE : 7/15/2025 12:13 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT



TYPE 5 CURB RAMP

INT 3 - HIGH RIDGE ENT (S MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-213	140+23.97	7.01' RT	711.69	177168.06	621267.35
3-214	140+31.03	7.00' RT	711.83	177174.88	621269.14
3-215	140+24.36	10.00' RT	711.76	177167.67	621270.34
3-216	140+31.36	9.55' RT	711.87	177174.55	621271.69
3-217	140+24.36	13.02' RT	711.82	177166.90	621273.26
3-218	140+31.36	13.01' RT	711.92	177173.67	621275.04

STH 31

INT 3 - HIGH RIDGE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-181	141+29.94	108.52' RT	713.85	177243.87	621392.68
3-182	141+33.33	62.00' RT	713.10	177259.28	621348.66
3-183	141+38.98	57.00' RT	713.14	177266.03	621345.30
3-184	141+47.76	52.62' RT	713.28	177275.62	621343.37
3-185	141+52.73	51.43' RT	713.36	177280.72	621343.52
3-186	141+52.75	51.93' RT	713.36	177280.61	621344.01
3-187	141+47.78	53.15' RT	713.28	177275.50	621343.88
3-188	141+39.87	57.00' RT	713.16	177266.88	621345.54
3-189	141+34.01	62.00' RT	713.11	177259.94	621348.83
3-190	141+36.82	62.00' RT	713.15	177262.64	621349.57
3-191	141+43.79	57.00' RT	713.21	177270.65	621346.56
3-192	141+47.86	55.15' RT	713.31	177275.05	621345.83
3-193	141+52.79	52.96' RT	713.37	177280.37	621345.01
3-194	141+52.87	54.96' RT	713.40	177279.92	621346.96
3-195	141+47.93	57.00' RT	713.36	177274.63	621347.64

INT 3 - HIGH RIDGE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-196	141+43.79	62.00' RT	713.25	177269.34	621351.38
3-197	141+48.12	62.00' RT	713.43	177273.50	621352.51
3-198	141+52.95	57.00' RT	713.43	177279.46	621348.96
3-199	141+53.14	62.00' RT	713.51	177278.33	621353.83
3-200	141+58.17	62.00' RT	713.81	177283.16	621355.14
3-201	141+57.97	57.00' RT	713.73	177284.29	621350.27
3-202	141+63.00	57.00' RT	714.03	177289.12	621351.59
3-203	141+63.19	62.00' RT	714.10	177287.99	621356.46
3-204	141+68.02	57.00' RT	714.32	177293.95	621352.90
3-205	141+68.22	62.00' RT	714.40	177292.82	621357.78
3 -188(A)	141+43.18	54.50' RT	713.45	177270.72	621343.99
3 -192(A)	141+45.28	53.54' RT	713.48	177273.00	621343.61
3 -206	141+30.93	65.00' RT	713.58	177256.19	621350.93
3 -207	141+55.73	51.08' RT	713.91	177283.69	621343.97

-1.57%
TYPE 2 CURB RAMP

3-160, 3-161, 3-168, 3 -182, 3-162, 3-159, 3-167, 3 -167 (A), P10, 3" CURB HEIGHT, P10, 3 -163 (A), 3-163, 3-158, 3-165, 3-157, 3-166, 3-170, 3-181, 3-179, G6, 3-177, 3-175, 3-169, 3-173, 3-178, 3-180, 3-176, 3-174, 3-172, 3-171, 3-164, G6

TYPE 2 RADIAL CURB RAMP

-0.39%

INT04 - HIGH RIDGE S QUADRANT

BOC RADIUS = 59.5'
CURB RAMP LANDING LENGTH ('XR') = 11.97''
RADIAL CHORD LENGTH = 9.08'
RADIAL WARNING FIELD AREA = 19.00 SF

HIGH RIDGE ENT

INT04 - HIGH RIDGE N QUADRANT

BOC RADIUS = 32.5'
CURB RAMP LANDING LENGTH ('XR') = 9.74'
RADIAL CHORD LENGTH = 7.68'
RADIAL WARNING FIELD AREA = 16.21 SF

-1.83%
TYPE 2 CURB RAMP

3-195, 3 -192(A), 3" CURB HEIGHT, P10, 3 -188(A), 3-191, 3-188, 3-183, 3-189, 3-182, 3 -206, 3-187, 3-192, 3-186, 3-185, 3-184, 3-193, 3 -207, G6, 3-194, 3-204, 3-202, 3-198, 3-201, 3-190, 3-196, 3-197, 3-199, 3-200, 3-203, 3-205, G6

TYPE 2 RADIAL CURB RAMP

-0.80%

INT 3 - HIGH RIDGE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-157	140+48.16	64.00' RT	712.20	177176.82	621328.62
3-158	140+40.78	59.00' RT	712.08	177170.99	621321.90
3-159	140+30.35	54.27' RT	711.92	177162.15	621314.67
3-160	140+25.33	52.78' RT	711.85	177157.70	621311.95
3-161	140+25.33	53.31' RT	711.85	177157.56	621312.47
3-162	140+30.35	54.81' RT	711.93	177162.02	621315.19
3-163	140+39.76	59.00' RT	712.09	177170.02	621321.64
3-164	140+44.00	64.00' RT	712.27	177172.81	621327.56
3-165	140+47.38	64.00' RT	712.22	177176.07	621328.42
3-166	140+35.36	59.00' RT	712.16	177165.78	621320.52

INT 3 - HIGH RIDGE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-167	140+30.35	56.81' RT	712.07	177161.50	621317.12
3-168	140+25.33	54.80' RT	711.86	177157.18	621313.91
3-169	140+25.33	56.79' RT	712.00	177156.67	621315.84
3-170	140+30.35	59.00' RT	712.20	177160.94	621319.24
3-171	140+35.37	64.01' RT	712.23	177164.50	621325.36
3-172	140+30.34	64.00' RT	712.28	177159.67	621324.08
3-173	140+25.34	59.01' RT	712.15	177156.12	621317.98
3-174	140+25.32	64.00' RT	712.23	177154.83	621322.81
3-175	140+20.31	59.00' RT	712.30	177151.27	621316.69
3-176	140+20.30	64.00' RT	712.38	177150.00	621321.53

INT 3 - HIGH RIDGE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-177	140+15.29	59.00' RT	712.45	177146.44	621315.42
3-178	140+15.29	64.00' RT	712.53	177145.16	621320.26
3-179	140+10.27	59.00' RT	712.58	177141.60	621314.15
3-180	140+10.27	64.00' RT	712.66	177140.33	621318.98
3 -163 (A)	140+35.93	56.50' RT	712.25	177166.96	621318.25
3 -167 (A)	140+32.84	55.23' RT	712.21	177164.31	621316.23
3 -181	140+51.65	66.99' RT	712.77	177179.42	621332.40
3 -182	140+22.32	52.11' RT	712.30	177154.96	621310.54

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

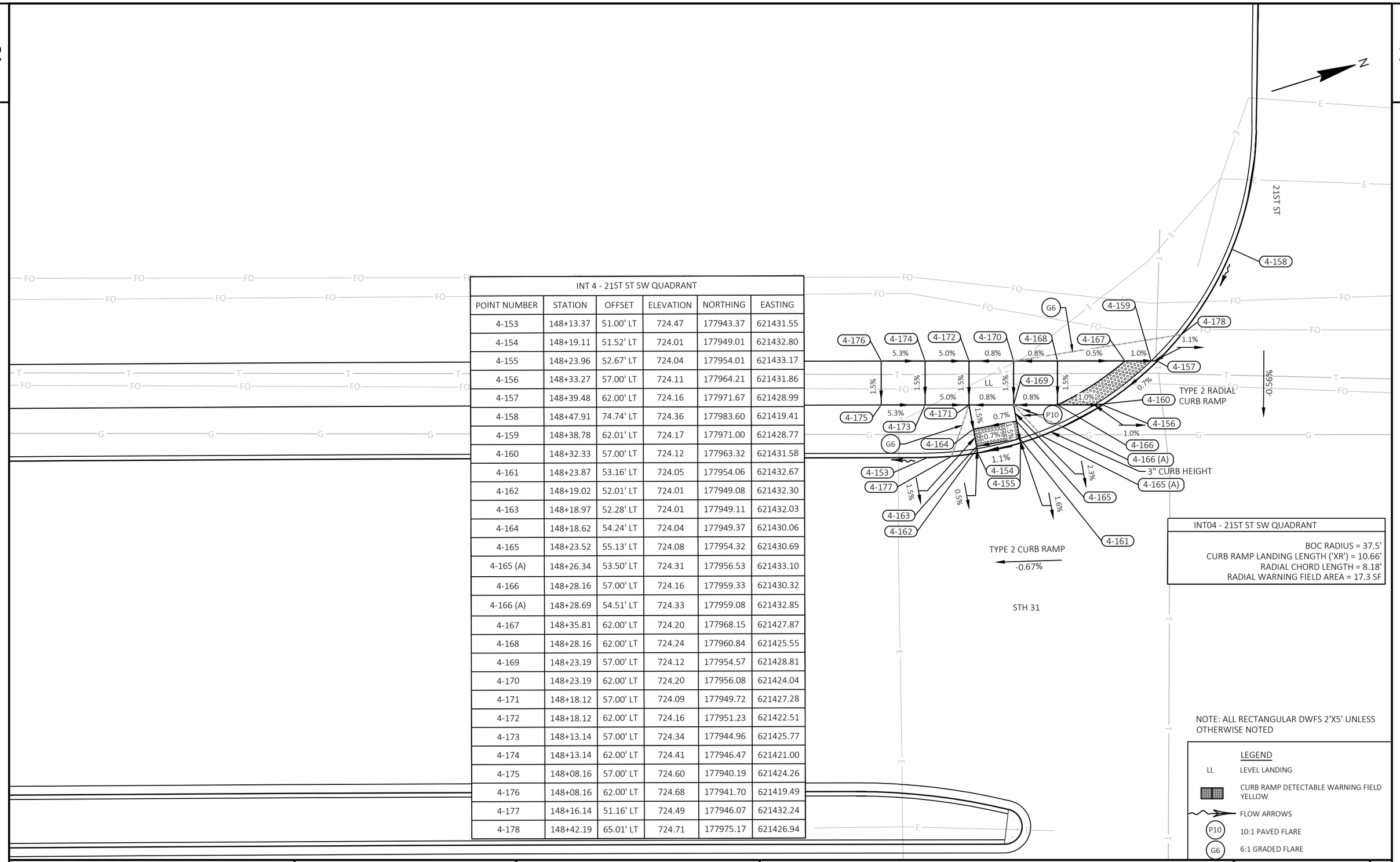
LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 92	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021307
PLOT DATE : 7/15/2025 12:13 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

INT 4 - 21ST ST SW QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-153	148+13.37	51.00' LT	724.47	177943.37	621431.55
4-154	148+19.11	51.52' LT	724.01	177949.01	621432.80
4-155	148+23.96	52.67' LT	724.04	177954.01	621433.17
4-156	148+33.27	57.00' LT	724.11	177964.21	621431.86
4-157	148+39.48	62.00' LT	724.16	177971.67	621428.99
4-158	148+47.91	74.74' LT	724.36	177983.60	621419.41
4-159	148+38.78	62.01' LT	724.17	177971.00	621428.77
4-160	148+32.33	57.00' LT	724.12	177963.32	621431.58
4-161	148+23.87	53.16' LT	724.05	177954.06	621432.67
4-162	148+19.02	52.01' LT	724.01	177949.08	621432.30
4-163	148+18.97	52.28' LT	724.01	177949.11	621432.03
4-164	148+18.62	54.24' LT	724.04	177949.37	621430.06
4-165	148+23.52	55.13' LT	724.08	177954.32	621430.69
4-165 (A)	148+26.34	53.50' LT	724.31	177956.53	621433.10
4-166	148+28.16	57.00' LT	724.16	177959.33	621430.32
4-166 (A)	148+28.69	54.51' LT	724.33	177959.08	621432.85
4-167	148+35.81	62.00' LT	724.20	177968.15	621427.87
4-168	148+28.16	62.00' LT	724.24	177960.84	621425.55
4-169	148+23.19	57.00' LT	724.12	177954.57	621428.81
4-170	148+23.19	62.00' LT	724.20	177956.08	621424.04
4-171	148+18.12	57.00' LT	724.09	177949.72	621427.28
4-172	148+18.12	62.00' LT	724.16	177951.23	621422.51
4-173	148+13.14	57.00' LT	724.34	177944.96	621425.77
4-174	148+13.14	62.00' LT	724.41	177946.47	621421.00
4-175	148+08.16	57.00' LT	724.60	177940.19	621424.26
4-176	148+08.16	62.00' LT	724.68	177941.70	621419.49
4-177	148+16.14	51.16' LT	724.49	177946.07	621432.24
4-178	148+42.19	65.01' LT	724.71	177975.17	621426.94



INT04 - 21ST ST SW QUADRANT

BOC RADIUS = 37.5'
CURB RAMP LANDING LENGTH ('XR') = 10.66'
RADIAL CHORD LENGTH = 8.18'
RADIAL WARNING FIELD AREA = 17.3 SF

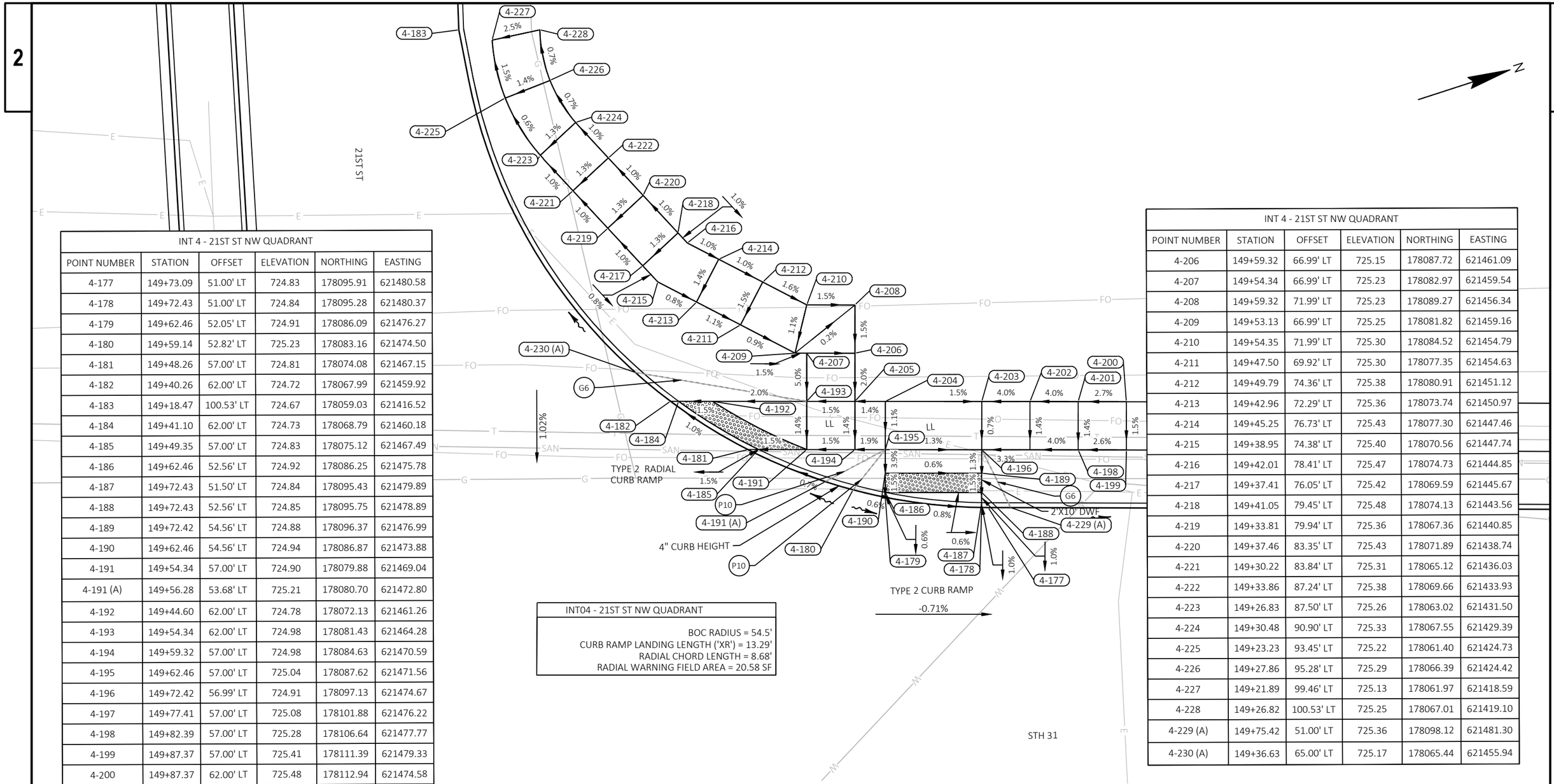
NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 93	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021308
PLOT DATE : 7/15/2025 12:13 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



INT 4 - 21ST ST NW QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-177	149+73.09	51.00' LT	724.83	178095.91	621480.58
4-178	149+72.43	51.00' LT	724.84	178095.28	621480.37
4-179	149+62.46	52.05' LT	724.91	178086.09	621476.27
4-180	149+59.14	52.82' LT	725.23	178083.16	621474.50
4-181	149+48.26	57.00' LT	724.81	178074.08	621467.15
4-182	149+40.26	62.00' LT	724.72	178067.99	621459.92
4-183	149+18.47	100.53' LT	724.67	178059.03	621416.52
4-184	149+41.10	62.00' LT	724.73	178068.79	621460.18
4-185	149+49.35	57.00' LT	724.83	178075.12	621467.49
4-186	149+62.46	52.56' LT	724.92	178086.25	621475.78
4-187	149+72.43	51.50' LT	724.84	178095.43	621479.89
4-188	149+72.43	52.56' LT	724.85	178095.75	621478.89
4-189	149+72.42	54.56' LT	724.88	178096.37	621476.99
4-190	149+62.46	54.56' LT	724.94	178086.87	621473.88
4-191	149+54.34	57.00' LT	724.90	178079.88	621469.04
4-191 (A)	149+56.28	53.68' LT	725.21	178080.70	621472.80
4-192	149+44.60	62.00' LT	724.78	178072.13	621461.26
4-193	149+54.34	62.00' LT	724.98	178081.43	621464.28
4-194	149+59.32	57.00' LT	724.98	178084.63	621470.59
4-195	149+62.46	57.00' LT	725.04	178087.62	621471.56
4-196	149+72.42	56.99' LT	724.91	178097.13	621474.67
4-197	149+77.41	57.00' LT	725.08	178101.88	621476.22
4-198	149+82.39	57.00' LT	725.28	178106.64	621477.77
4-199	149+87.37	57.00' LT	725.41	178111.39	621479.33
4-200	149+87.37	62.00' LT	725.48	178112.94	621474.58
4-201	149+82.38	62.00' LT	725.35	178108.19	621473.02
4-202	149+77.40	62.00' LT	725.15	178103.44	621471.47
4-203	149+72.42	62.00' LT	724.95	178098.68	621469.92
4-204	149+62.46	62.00' LT	725.10	178089.18	621466.81
4-205	149+59.32	62.00' LT	725.05	178086.18	621465.83

INT 4 - 21ST ST NW QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-206	149+59.32	66.99' LT	725.15	178087.72	621461.09
4-207	149+54.34	66.99' LT	725.23	178082.97	621459.54
4-208	149+59.32	71.99' LT	725.23	178089.27	621456.34
4-209	149+53.13	66.99' LT	725.25	178081.82	621459.16
4-210	149+54.35	71.99' LT	725.30	178084.52	621454.79
4-211	149+47.50	69.92' LT	725.30	178077.35	621454.63
4-212	149+49.79	74.36' LT	725.38	178080.91	621451.12
4-213	149+42.96	72.29' LT	725.36	178073.74	621450.97
4-214	149+45.25	76.73' LT	725.43	178077.30	621447.46
4-215	149+38.95	74.38' LT	725.40	178070.56	621447.74
4-216	149+42.01	78.41' LT	725.47	178074.73	621444.85
4-217	149+37.41	76.05' LT	725.42	178069.59	621445.67
4-218	149+41.05	79.45' LT	725.48	178074.13	621443.56
4-219	149+33.81	79.94' LT	725.36	178067.36	621440.85
4-220	149+37.46	83.35' LT	725.43	178071.89	621438.74
4-221	149+30.22	83.84' LT	725.31	178065.12	621436.03
4-222	149+33.86	87.24' LT	725.38	178069.66	621433.93
4-223	149+26.83	87.50' LT	725.26	178063.02	621431.50
4-224	149+30.48	90.90' LT	725.33	178067.55	621429.39
4-225	149+23.23	93.45' LT	725.22	178061.40	621424.73
4-226	149+27.86	95.28' LT	725.29	178066.39	621424.42
4-227	149+21.89	99.46' LT	725.13	178061.97	621418.59
4-228	149+26.82	100.53' LT	725.25	178067.01	621419.10
4-229 (A)	149+75.42	51.00' LT	725.36	178098.12	621481.30
4-230 (A)	149+36.63	65.00' LT	725.17	178065.44	621455.94

INT04 - 21ST ST NW QUADRANT
BOC RADIUS = 54.5'
CURB RAMP LANDING LENGTH ('XR') = 13.29'
RADIAL CHORD LENGTH = 8.68'
RADIAL WARNING FIELD AREA = 20.58 SF

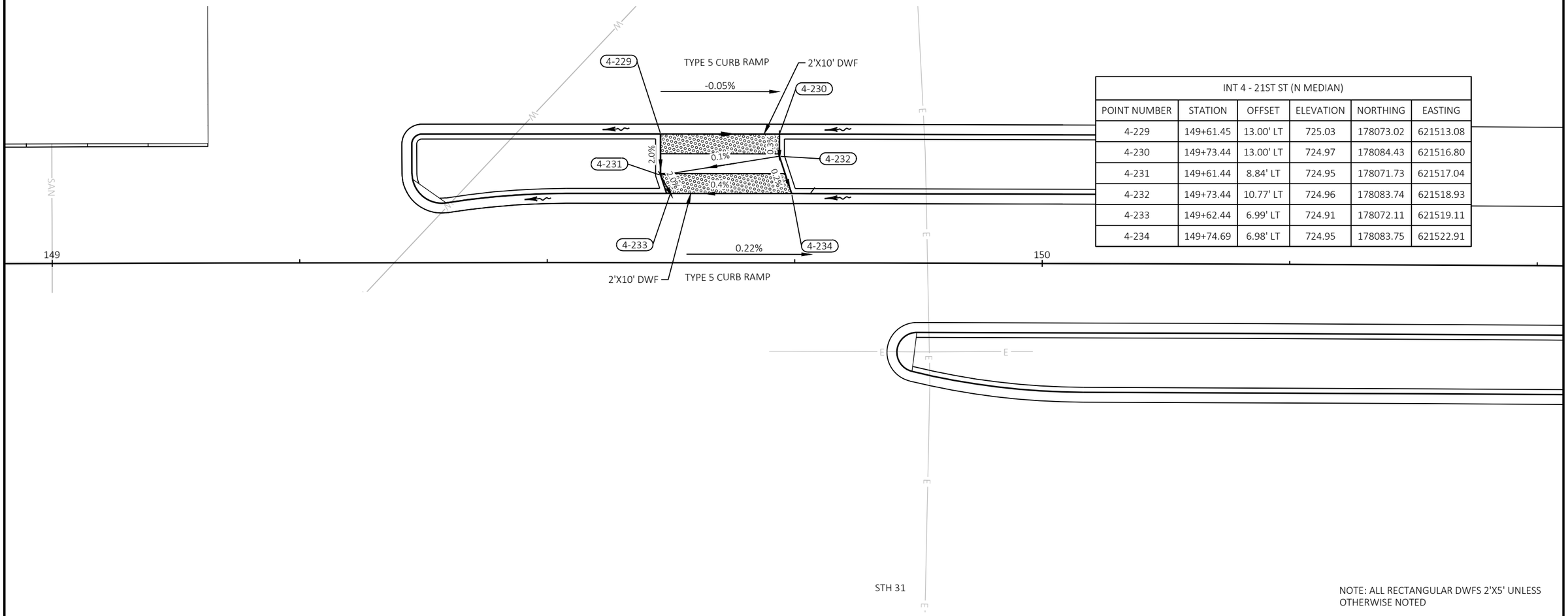
NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 94	E

2



INT 4 - 21ST ST (N MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-229	149+61.45	13.00' LT	725.03	178073.02	621513.08
4-230	149+73.44	13.00' LT	724.97	178084.43	621516.80
4-231	149+61.44	8.84' LT	724.95	178071.73	621517.04
4-232	149+73.44	10.77' LT	724.96	178083.74	621518.93
4-233	149+62.44	6.99' LT	724.91	178072.11	621519.11
4-234	149+74.69	6.98' LT	724.95	178083.75	621522.91

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

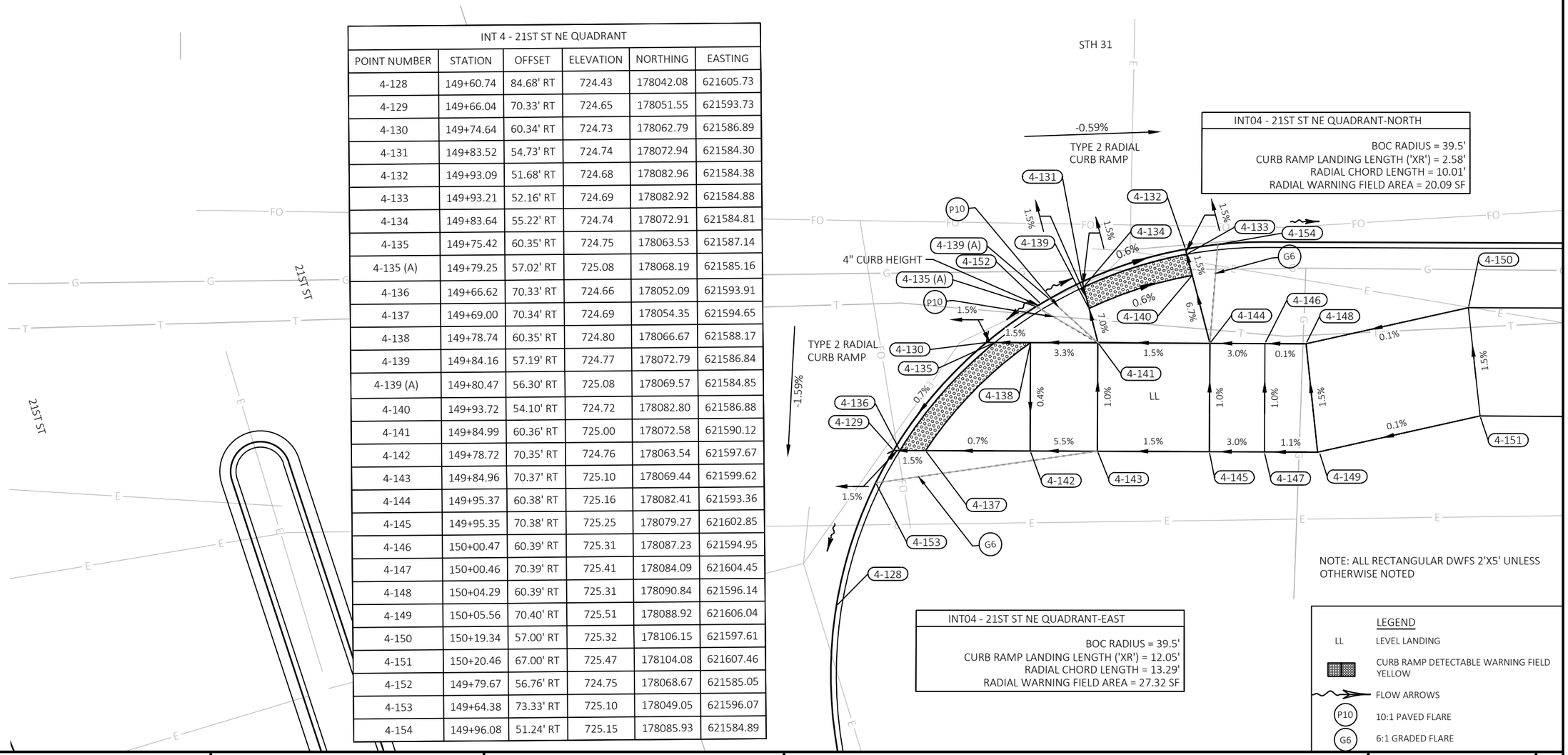
LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 95	E

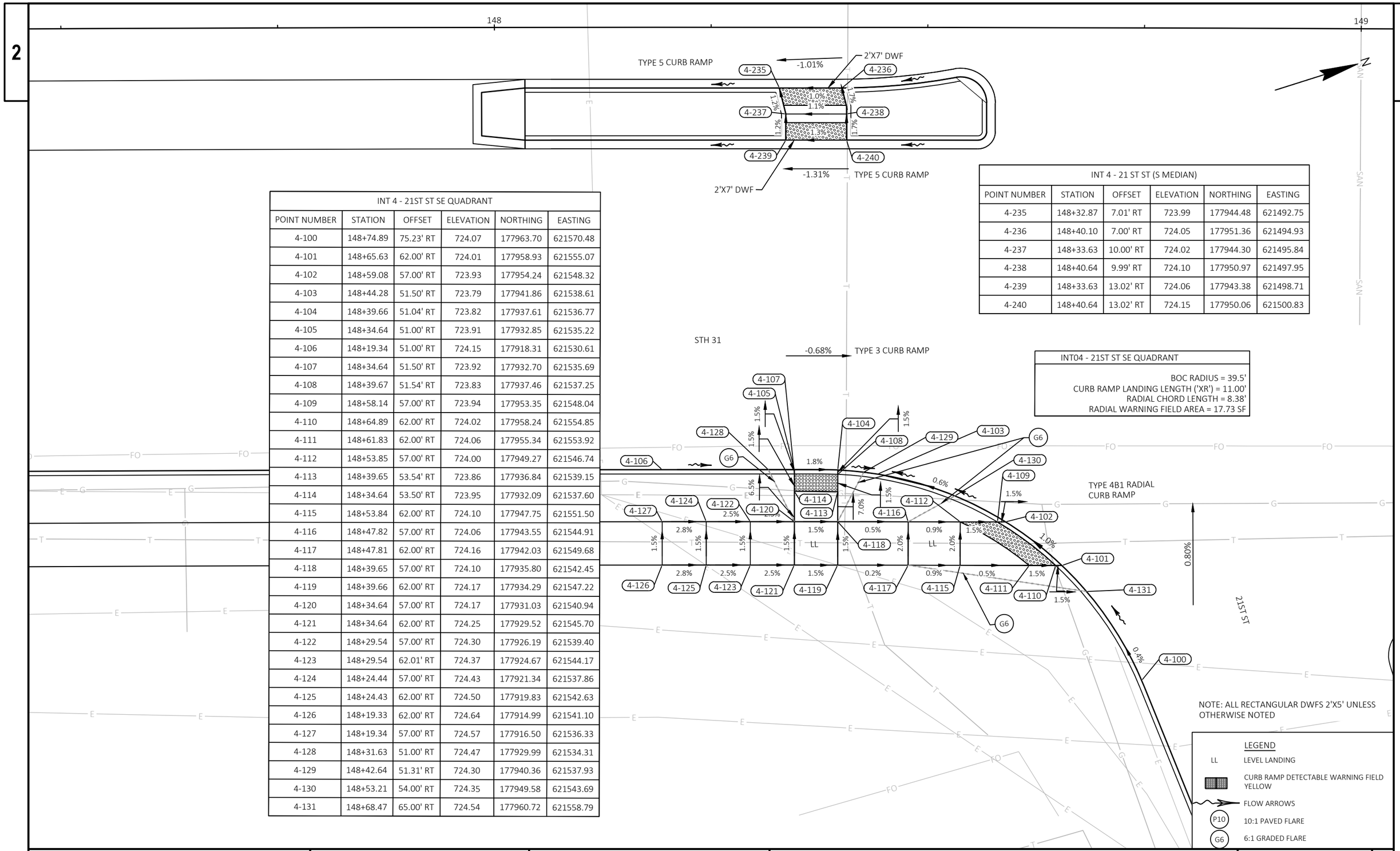
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LAYOUT NAME - 021310
PLOT DATE : 7/15/2025 12:13 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

INT 4 - 21ST ST NE QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-128	149+60.74	84.68' RT	724.43	178042.08	621605.73
4-129	149+66.04	70.33' RT	724.65	178051.55	621593.73
4-130	149+74.64	60.34' RT	724.73	178062.79	621586.89
4-131	149+83.52	54.73' RT	724.74	178072.94	621584.30
4-132	149+93.09	51.68' RT	724.68	178082.96	621584.38
4-133	149+93.21	52.16' RT	724.69	178082.92	621584.88
4-134	149+83.64	55.22' RT	724.74	178072.91	621584.81
4-135	149+75.42	60.35' RT	724.75	178063.53	621587.14
4-135 (A)	149+79.25	57.02' RT	725.08	178068.19	621585.16
4-136	149+66.62	70.33' RT	724.66	178052.09	621593.91
4-137	149+69.00	70.34' RT	724.69	178054.35	621594.65
4-138	149+78.74	60.35' RT	724.80	178066.67	621588.17
4-139	149+84.16	57.19' RT	724.77	178072.79	621586.84
4-139 (A)	149+80.47	56.30' RT	725.08	178069.57	621584.85
4-140	149+93.72	54.10' RT	724.72	178082.80	621586.88
4-141	149+84.99	60.36' RT	725.00	178072.58	621590.12
4-142	149+78.72	70.35' RT	724.76	178063.54	621597.67
4-143	149+84.96	70.37' RT	725.10	178069.44	621599.62
4-144	149+95.37	60.38' RT	725.16	178082.41	621593.36
4-145	149+95.35	70.38' RT	725.25	178079.27	621602.85
4-146	150+00.47	60.39' RT	725.31	178087.23	621594.95
4-147	150+00.46	70.39' RT	725.41	178084.09	621604.45
4-148	150+04.29	60.39' RT	725.31	178090.84	621596.14
4-149	150+05.56	70.40' RT	725.51	178088.92	621606.04
4-150	150+19.34	57.00' RT	725.32	178106.15	621597.61
4-151	150+20.46	67.00' RT	725.47	178104.08	621607.46
4-152	149+79.67	56.76' RT	724.75	178068.67	621585.05
4-153	149+64.38	73.33' RT	725.10	178049.05	621596.07
4-154	149+96.08	51.24' RT	725.15	178085.93	621584.89



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 96	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021311
PLOT DATE : 7/15/2025 12:13 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

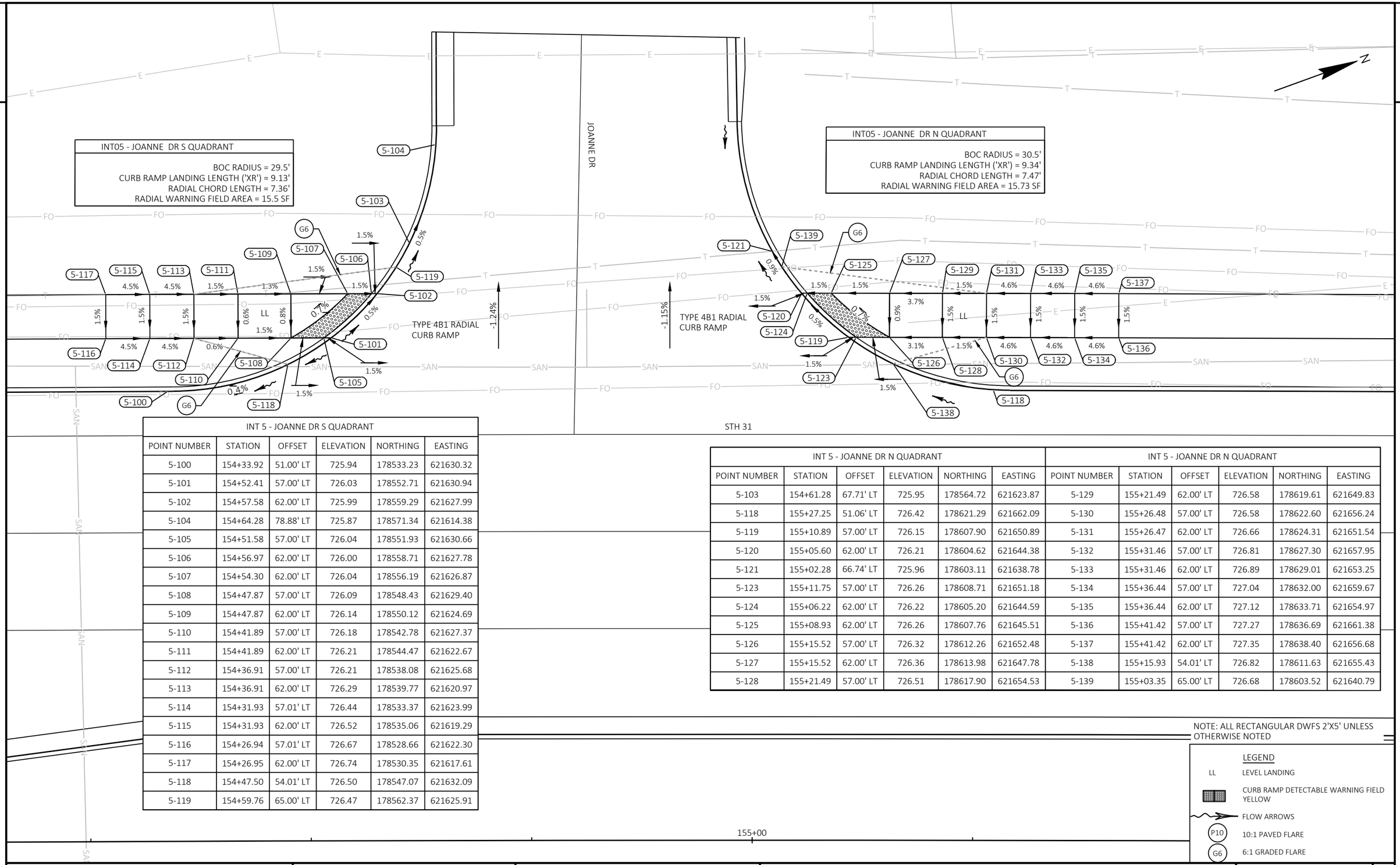


INT 4 - 21ST ST SE QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-100	148+74.89	75.23' RT	724.07	177963.70	621570.48
4-101	148+65.63	62.00' RT	724.01	177958.93	621555.07
4-102	148+59.08	57.00' RT	723.93	177954.24	621548.32
4-103	148+44.28	51.50' RT	723.79	177941.86	621538.61
4-104	148+39.66	51.04' RT	723.82	177937.61	621536.77
4-105	148+34.64	51.00' RT	723.91	177932.85	621535.22
4-106	148+19.34	51.00' RT	724.15	177918.31	621530.61
4-107	148+34.64	51.50' RT	723.92	177932.70	621535.69
4-108	148+39.67	51.54' RT	723.83	177937.46	621537.25
4-109	148+58.14	57.00' RT	723.94	177953.35	621548.04
4-110	148+64.89	62.00' RT	724.02	177958.24	621554.85
4-111	148+61.83	62.00' RT	724.06	177955.34	621553.92
4-112	148+53.85	57.00' RT	724.00	177949.27	621546.74
4-113	148+39.65	53.54' RT	723.86	177936.84	621539.15
4-114	148+34.64	53.50' RT	723.95	177932.09	621537.60
4-115	148+53.84	62.00' RT	724.10	177947.75	621551.50
4-116	148+47.82	57.00' RT	724.06	177943.55	621544.91
4-117	148+47.81	62.00' RT	724.16	177942.03	621549.68
4-118	148+39.65	57.00' RT	724.10	177935.80	621542.45
4-119	148+39.66	62.00' RT	724.17	177934.29	621547.22
4-120	148+34.64	57.00' RT	724.17	177931.03	621540.94
4-121	148+34.64	62.00' RT	724.25	177929.52	621545.70
4-122	148+29.54	57.00' RT	724.30	177926.19	621539.40
4-123	148+29.54	62.01' RT	724.37	177924.67	621544.17
4-124	148+24.44	57.00' RT	724.43	177921.34	621537.86
4-125	148+24.43	62.00' RT	724.50	177919.83	621542.63
4-126	148+19.33	62.00' RT	724.64	177914.99	621541.10
4-127	148+19.34	57.00' RT	724.57	177916.50	621536.33
4-128	148+31.63	51.00' RT	724.47	177929.99	621534.31
4-129	148+42.64	51.31' RT	724.30	177940.36	621537.93
4-130	148+53.21	54.00' RT	724.35	177949.58	621543.69
4-131	148+68.47	65.00' RT	724.54	177960.72	621558.79

INT 4 - 21 ST ST (S MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-235	148+32.87	7.01' RT	723.99	177944.48	621492.75
4-236	148+40.10	7.00' RT	724.05	177951.36	621494.93
4-237	148+33.63	10.00' RT	724.02	177944.30	621495.84
4-238	148+40.64	9.99' RT	724.10	177950.97	621497.95
4-239	148+33.63	13.02' RT	724.06	177943.38	621498.71
4-240	148+40.64	13.02' RT	724.15	177950.06	621500.83

INT04 - 21ST ST SE QUADRANT
BOC RADIUS = 39.5'
CURB RAMP LANDING LENGTH ('XR') = 11.00'
RADIAL CHORD LENGTH = 8.38'
RADIAL WARNING FIELD AREA = 17.73 SF

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 97	E



INT 5 - JOANNE DR S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-100	154+33.92	51.00' LT	725.94	178533.23	621630.32
5-101	154+52.41	57.00' LT	726.03	178552.71	621630.94
5-102	154+57.58	62.00' LT	725.99	178559.29	621627.99
5-104	154+64.28	78.88' LT	725.87	178571.34	621614.38
5-105	154+51.58	57.00' LT	726.04	178551.93	621630.66
5-106	154+56.97	62.00' LT	726.00	178558.71	621627.78
5-107	154+54.30	62.00' LT	726.04	178556.19	621626.87
5-108	154+47.87	57.00' LT	726.09	178548.43	621629.40
5-109	154+47.87	62.00' LT	726.14	178550.12	621624.69
5-110	154+41.89	57.00' LT	726.18	178542.78	621627.37
5-111	154+41.89	62.00' LT	726.21	178544.47	621622.67
5-112	154+36.91	57.00' LT	726.21	178538.08	621625.68
5-113	154+36.91	62.00' LT	726.29	178539.77	621620.97
5-114	154+31.93	57.01' LT	726.44	178533.37	621623.99
5-115	154+31.93	62.00' LT	726.52	178535.06	621619.29
5-116	154+26.94	57.01' LT	726.67	178528.66	621622.30
5-117	154+26.95	62.00' LT	726.74	178530.35	621617.61
5-118	154+47.50	54.01' LT	726.50	178547.07	621632.09
5-119	154+59.76	65.00' LT	726.47	178562.37	621625.91

INT 5 - JOANNE DR N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-103	154+61.28	67.71' LT	725.95	178564.72	621623.87
5-118	155+27.25	51.06' LT	726.42	178621.29	621662.09
5-119	155+10.89	57.00' LT	726.15	178607.90	621650.89
5-120	155+05.60	62.00' LT	726.21	178604.62	621644.38
5-121	155+02.28	66.74' LT	725.96	178603.11	621638.78
5-123	155+11.75	57.00' LT	726.26	178608.71	621651.18
5-124	155+06.22	62.00' LT	726.22	178605.20	621644.59
5-125	155+08.93	62.00' LT	726.26	178607.76	621645.51
5-126	155+15.52	57.00' LT	726.32	178612.26	621652.48
5-127	155+15.52	62.00' LT	726.36	178613.98	621647.78
5-128	155+21.49	57.00' LT	726.51	178617.90	621654.53

INT 5 - JOANNE DR N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-129	155+21.49	62.00' LT	726.58	178619.61	621649.83
5-130	155+26.48	57.00' LT	726.58	178622.60	621656.24
5-131	155+26.47	62.00' LT	726.66	178624.31	621651.54
5-132	155+31.46	57.00' LT	726.81	178627.30	621657.95
5-133	155+31.46	62.00' LT	726.89	178629.01	621653.25
5-134	155+36.44	57.00' LT	727.04	178632.00	621659.67
5-135	155+36.44	62.00' LT	727.12	178633.71	621654.97
5-136	155+41.42	57.00' LT	727.27	178636.69	621661.38
5-137	155+41.42	62.00' LT	727.35	178638.40	621656.68
5-138	155+15.93	54.01' LT	726.82	178611.63	621655.43
5-139	155+03.35	65.00' LT	726.68	178603.52	621640.79

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 98	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021313
PLOT DATE : 7/15/2025 12:15 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

LEGEND

LL LEVEL LANDING

CURB RAMP DETECTABLE WARNING FIELD YELLOW

FLOW ARROWS

P10 10:1 PAVED FLARE

G6 6:1 GRADED FLARE

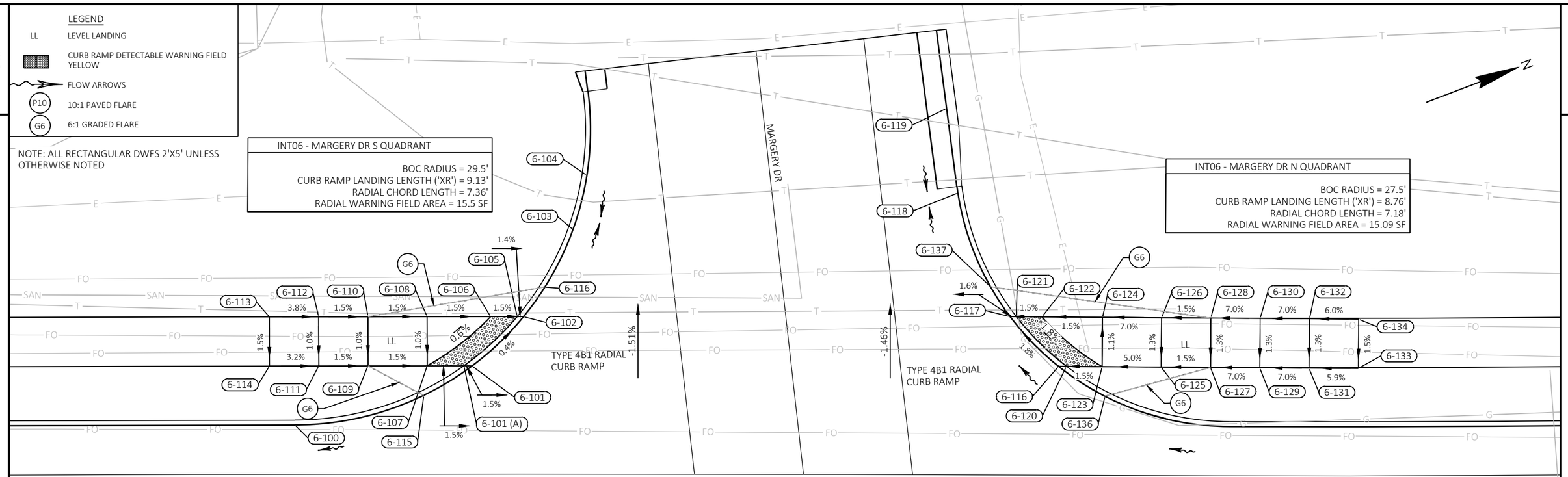
NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

INT06 - MARGERY DR S QUADRANT

BOC RADIUS = 29.5'
CURB RAMP LANDING LENGTH ('XR') = 9.13'
RADIAL CHORD LENGTH = 7.36'
RADIAL WARNING FIELD AREA = 15.5 SF

INT06 - MARGERY DR N QUADRANT

BOC RADIUS = 27.5'
CURB RAMP LANDING LENGTH ('XR') = 8.76'
RADIAL CHORD LENGTH = 7.18'
RADIAL WARNING FIELD AREA = 15.09 SF



INT 6 - MARGERY DR S QUADRANT

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6-100	157+53.08	51.00' LT	730.33	178833.56	621741.22
6-101	157+70.98	57.00' LT	730.26	178852.47	621742.00
6-101 (A)	157+70.16	57.00' LT	730.28	178851.71	621741.71
6-102	157+76.18	62.00' LT	730.23	178859.13	621739.19
6-103	157+81.19	70.86' LT	730.56	178866.99	621732.71
6-104	157+82.58	76.34' LT	729.02	178870.26	621728.09
6-105	157+75.55	62.00' LT	730.24	178858.55	621738.97
6-106	157+72.88	62.00' LT	730.28	178856.04	621738.01
6-107	157+66.45	57.00' LT	730.33	178848.23	621740.38
6-108	157+66.45	62.00' LT	730.38	178850.01	621735.71
6-109	157+60.47	57.00' LT	730.42	178842.62	621738.24
6-110	157+60.48	62.00' LT	730.47	178844.41	621733.57
6-111	157+55.49	57.01' LT	730.50	178837.95	621736.46
6-112	157+55.49	62.00' LT	730.55	178839.73	621731.79
6-113	157+50.51	62.00' LT	730.73	178835.06	621730.02
6-114	157+50.51	57.01' LT	730.66	178833.28	621734.68
6-115	157+66.11	54.00' LT	730.66	178846.84	621743.06
6-116	157+78.35	65.00' LT	730.22	178862.24	621737.17

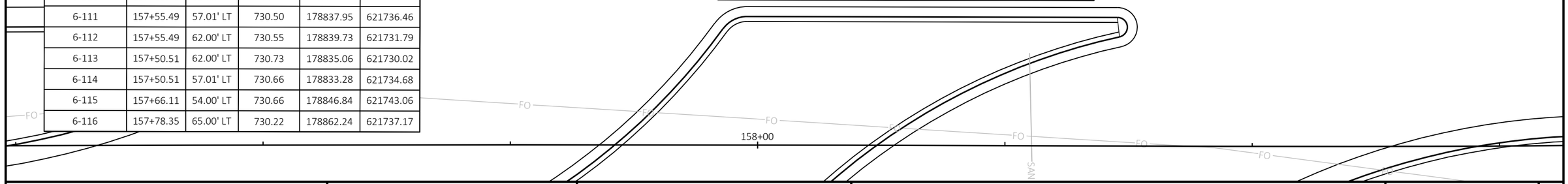
STH 31

INT 6 - MARGERY DR N QUADRANT

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6-116	158+30.31	57.05' LT	731.44	178908.08	621763.28
6-117	158+25.37	62.09' LT	730.88	178905.26	621756.80
6-118	158+20.06	74.62' LT	730.79	178904.79	621743.19
6-119	158+18.91	83.19' LT	730.83	178906.79	621734.77
6-120	158+31.09	57.04' LT	731.45	178908.81	621763.57
6-121	158+26.00	62.08' LT	731.32	178905.85	621757.03
6-122	158+28.60	62.06' LT	731.36	178908.28	621757.99
6-123	158+34.70	57.03' LT	731.51	178912.18	621764.89
6-124	158+34.72	62.03' LT	731.45	178914.00	621760.24
6-125	158+40.68	57.01' LT	731.81	178917.77	621767.07
6-126	158+40.70	62.03' LT	731.87	178919.60	621762.40

INT 6 - MARGERY DR N QUADRANT

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6-127	158+45.67	57.00' LT	731.88	178922.43	621768.88
6-128	158+45.70	62.01' LT	731.95	178924.26	621764.22
6-129	158+50.76	56.98' LT	732.23	178927.09	621770.70
6-130	158+50.79	61.99' LT	732.30	178928.91	621766.03
6-131	158+55.87	56.95' LT	732.58	178931.75	621772.52
6-132	158+55.90	61.96' LT	732.65	178933.57	621767.85
6-133	158+60.97	56.92' LT	732.87	178936.40	621774.33
6-134	158+61.01	61.92' LT	732.95	178938.23	621769.67
6-136	158+35.01	54.03' LT	732.07	178911.39	621767.80
6-137	158+23.39	65.10' LT	731.71	178904.49	621753.27



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 99	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021314

PLOT DATE : 7/15/2025 12:15 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

INT 7 - CASTLE DR S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
7-101	162+21.98	62.00' RT	737.11	179246.14	621994.66
7-102	162+16.92	57.00' RT	737.06	179242.30	621988.58
7-103	162+16.68	56.80' RT	737.06	179242.11	621988.33
7-104	161+99.36	51.00' RT	737.14	179226.37	621978.45
7-105	162+21.37	62.00' RT	737.12	179245.53	621994.51
7-106	162+16.11	57.00' RT	737.07	179241.49	621988.38
7-107	162+18.74	61.99' RT	737.16	179242.93	621993.87
7-108	162+12.47	57.00' RT	737.13	179237.89	621987.49
7-109	162+12.47	61.98' RT	737.20	179236.70	621992.33
7-110	162+06.58	57.00' RT	737.34	179232.06	621986.06
7-111	162+06.59	61.99' RT	737.41	179230.87	621990.90
7-112	162+01.68	57.00' RT	737.41	179227.21	621984.85
7-113	162+01.70	62.00' RT	737.49	179226.02	621989.70
7-114	161+96.78	57.00' RT	737.58	179222.36	621983.63
7-115	161+96.81	62.00' RT	737.65	179221.17	621988.49
7-116	161+91.88	57.00' RT	737.74	179217.51	621982.40
7-117	161+91.91	62.00' RT	737.81	179216.32	621987.26
7-118	161+86.97	57.00' RT	737.90	179212.67	621981.18
7-119	161+87.02	62.00' RT	737.97	179211.47	621986.03
7-120 (A)	162+12.14	54.00' RT	737.08	179238.28	621984.50
7-121 (A)	162+24.11	65.00' RT	737.17	179247.54	621998.08

INT 7 - CASTLE DR N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
7-120	162+63.97	70.17' RT	736.83	179286.09	622012.42
7-121	162+67.46	62.00' RT	736.79	179291.38	622005.24
7-122	162+71.82	57.00' RT	736.70	179296.81	622001.33
7-123	162+77.99	53.05' RT	736.56	179303.81	621998.84
7-125	162+67.99	62.00' RT	736.79	179291.91	622005.36
7-126	162+72.51	57.00' RT	736.71	179297.50	622001.49
7-127	162+72.51	62.00' RT	736.81	179296.41	622006.37
7-128	162+74.47	57.00' RT	736.72	179299.46	622001.92
7-129	162+74.47	62.00' RT	736.81	179298.36	622006.80
7-130	162+80.34	56.99' RT	736.77	179305.30	622003.22
7-131	162+80.34	62.00' RT	736.84	179304.22	622008.11
7-132	162+85.25	57.00' RT	736.80	179310.19	622004.30
7-133	162+85.23	61.97' RT	736.87	179309.11	622009.15
7-134	162+90.16	57.00' RT	736.83	179315.08	622005.36
7-135	162+90.13	61.98' RT	736.90	179313.99	622010.23
7-136	162+95.06	57.00' RT	736.85	179319.97	622006.42
7-137	162+95.02	62.00' RT	736.93	179318.88	622011.30
7-138	162+99.97	57.01' RT	736.87	179324.85	622007.48
7-139	162+99.93	62.00' RT	736.94	179323.76	622012.35
7-140	162+65.77	64.99' RT	737.36	179289.04	622007.77
7-141	162+76.05	54.01' RT	737.10	179301.68	621999.36

INT07 - CASTLE DR S QUADRANT

BOC RADIUS = 29.5'
CURB RAMP LANDING LENGTH ('XR') = 9.10'
RADIAL CHORD LENGTH = 7.34'
RADIAL WARNING FIELD AREA = 15.45 SF

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND
- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 100	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021315
PLOT DATE : 7/15/2025 12:15 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

LL LEVEL LANDING

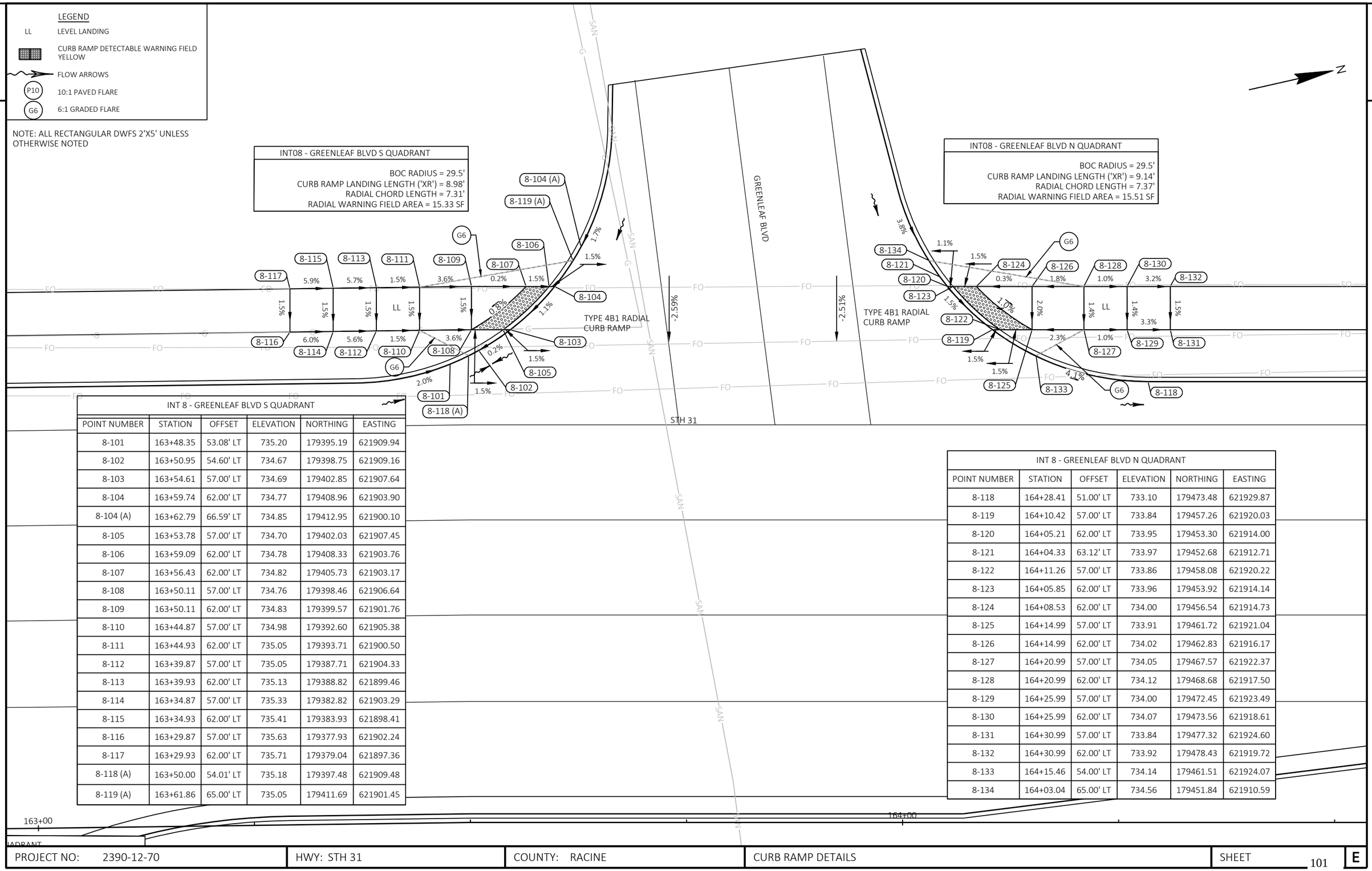
CURB RAMP DETECTABLE WARNING FIELD YELLOW

FLOW ARROWS

P10 10:1 PAVED FLARE

G6 6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED



INT 8 - GREENLEAF BLVD S QUADRANT

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
8-101	163+48.35	53.08' LT	735.20	179395.19	621909.94
8-102	163+50.95	54.60' LT	734.67	179398.75	621909.16
8-103	163+54.61	57.00' LT	734.69	179402.85	621907.64
8-104	163+59.74	62.00' LT	734.77	179408.96	621903.90
8-104 (A)	163+62.79	66.59' LT	734.85	179412.95	621900.10
8-105	163+53.78	57.00' LT	734.70	179402.03	621907.45
8-106	163+59.09	62.00' LT	734.78	179408.33	621903.76
8-107	163+56.43	62.00' LT	734.82	179405.73	621903.17
8-108	163+50.11	57.00' LT	734.76	179398.46	621906.64
8-109	163+50.11	62.00' LT	734.83	179399.57	621901.76
8-110	163+44.87	57.00' LT	734.98	179392.60	621905.38
8-111	163+44.93	62.00' LT	735.05	179393.71	621900.50
8-112	163+39.87	57.00' LT	735.05	179387.71	621904.33
8-113	163+39.93	62.00' LT	735.13	179388.82	621899.46
8-114	163+34.87	57.00' LT	735.33	179382.82	621903.29
8-115	163+34.93	62.00' LT	735.41	179383.93	621898.41
8-116	163+29.87	57.00' LT	735.63	179377.93	621902.24
8-117	163+29.93	62.00' LT	735.71	179379.04	621897.36
8-118 (A)	163+50.00	54.01' LT	735.18	179397.48	621909.48
8-119 (A)	163+61.86	65.00' LT	735.05	179411.69	621901.45

INT 8 - GREENLEAF BLVD N QUADRANT

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
8-118	164+28.41	51.00' LT	733.10	179473.48	621929.87
8-119	164+10.42	57.00' LT	733.84	179457.26	621920.03
8-120	164+05.21	62.00' LT	733.95	179453.30	621914.00
8-121	164+04.33	63.12' LT	733.97	179452.68	621912.71
8-122	164+11.26	57.00' LT	733.86	179458.08	621920.22
8-123	164+05.85	62.00' LT	733.96	179453.92	621914.14
8-124	164+08.53	62.00' LT	734.00	179456.54	621914.73
8-125	164+14.99	57.00' LT	733.91	179461.72	621921.04
8-126	164+14.99	62.00' LT	734.02	179462.83	621916.17
8-127	164+20.99	57.00' LT	734.05	179467.57	621922.37
8-128	164+20.99	62.00' LT	734.12	179468.68	621917.50
8-129	164+25.99	57.00' LT	734.00	179472.45	621923.49
8-130	164+25.99	62.00' LT	734.07	179473.56	621918.61
8-131	164+30.99	57.00' LT	733.84	179477.32	621924.60
8-132	164+30.99	62.00' LT	733.92	179478.43	621919.72
8-133	164+15.46	54.00' LT	734.14	179461.51	621924.07
8-134	164+03.04	65.00' LT	734.56	179451.84	621910.59

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 101	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021316
PLOT DATE : 7/15/2025 12:15 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

LL LEVEL LANDING

CURB RAMP DETECTABLE WARNING FIELD YELLOW

FLOW ARROWS

P10 10:1 PAVED FLARE

G6 6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

SUNSET BLVD

INT09 - SUNSET BLVD S QUADRANT

BOC RADIUS = 29.5'
CURB RAMP LANDING LENGTH ('XR') = 9.14'
RADIAL CHORD LENGTH = 7.37'
RADIAL WARNING FIELD AREA = 15.51 SF

TYPE 4B1 RADIAL CURB RAMP

INT09 - SUNSET BLVD N QUADRANT

BOC RADIUS = 34.5'
CURB RAMP LANDING LENGTH ('XR') = 10.11'
RADIAL CHORD LENGTH = 7.88'
RADIAL WARNING FIELD AREA = 16.65 SF

TYPE 4B1 RADIAL CURB RAMP

4" CURB HEIGHT

TYPE 2 CURB RAMP

TYPE 6 CURB RAMP

STH 31

167+00

INT 9 - SUNSET BLVD N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-116	167+40.09	51.00' LT	726.56	179777.00	621998.60
9-117	167+36.14	51.23' LT	726.60	179773.19	621997.54
9-118	167+31.22	52.16' LT	726.63	179768.58	621995.58
9-119	167+20.56	57.00' LT	726.71	179759.19	621988.58
9-120	167+14.68	62.00' LT	726.76	179754.52	621982.44
9-121	167+05.44	81.03' LT	726.91	179749.55	621961.89
9-122	167+36.26	51.72' LT	726.60	179773.41	621997.09
9-123	167+31.34	52.65' LT	726.64	179768.80	621995.13
9-123 (A)	167+28.10	53.22' LT	726.98	179765.75	621993.88

INT 9 - SUNSET BLVD N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-124	167+21.47	57.00' LT	726.72	179760.08	621988.78
9-124 (A)	167+26.79	53.69' LT	726.99	179764.57	621993.15
9-125	167+15.37	62.00' LT	726.77	179755.19	621982.59
9-126	167+31.87	54.83' LT	726.78	179769.78	621993.11
9-127	167+32.39	57.00' LT	726.93	179770.76	621991.10
9-128	167+36.73	53.66' LT	726.74	179774.29	621995.29
9-129	167+18.24	62.00' LT	726.81	179758.00	621983.20
9-130	167+25.48	57.00' LT	726.78	179764.01	621989.63
9-131	167+25.48	62.00' LT	726.85	179765.07	621984.75

INT 9 - SUNSET BLVD S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-100	166+44.00	51.00' LT	727.88	179683.68	621977.74
9-101	166+61.97	57.00' LT	727.83	179702.54	621975.88
9-102	166+67.21	62.00' LT	727.90	179708.76	621972.17
9-103	166+71.29	68.55' LT	727.96	179714.19	621966.68
9-105	166+61.15	57.00' LT	727.84	179701.74	621975.70
9-106	166+66.56	62.00' LT	727.91	179708.12	621972.02
9-107	166+63.88	62.00' LT	727.95	179705.51	621971.43
9-108	166+57.42	57.00' LT	727.90	179698.10	621974.87
9-109	166+57.42	62.00' LT	727.99	179699.21	621969.99
9-110	166+51.42	57.00' LT	728.23	179692.25	621973.54
9-111	166+51.42	62.00' LT	728.30	179693.36	621968.66
9-112	166+46.42	57.00' LT	728.30	179687.38	621972.43
9-113	166+46.42	62.00' LT	728.38	179688.49	621967.55
9-114	166+41.42	57.00' LT	728.59	179682.50	621971.32
9-115	166+41.42	62.00' LT	728.66	179683.61	621966.44
9-116 (A)	166+57.07	54.00' LT	728.31	179697.09	621977.72
9-117 (A)	166+69.37	65.00' LT	728.45	179711.53	621969.72

INT 9 - SUNSET BLVD MEDIAN					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-202	167+21.22	12.97' LT	727.05	179750.46	622031.75
9-203	167+27.40	12.98' LT	726.98	179756.50	622033.05
9-204	167+21.11	12.50' LT	727.06	179750.25	622032.18
9-205	167+27.29	12.50' LT	726.99	179756.29	622033.49
9-206	167+20.63	10.50' LT	727.10	179749.35	622034.03
9-207	167+26.80	10.50' LT	727.03	179755.39	622035.34
9-208	167+25.61	5.57' LT	727.07	179753.17	622039.91
9-209	166+95.16	4.06' LT	728.04	179723.14	622034.87

INT 9 - SUNSET BLVD N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-133	167+32.39	62.00' LT	727.01	179771.82	621986.22
9-134	167+37.54	57.00' LT	726.98	179775.79	621992.20
9-135	167+37.54	62.00' LT	727.05	179776.85	621987.31
9-136	167+42.54	57.00' LT	727.26	179780.67	621993.27
9-137	167+42.54	62.00' LT	727.34	179781.74	621988.38
9-138	167+39.18	51.01' LT	727.07	179776.11	621998.40
9-139 (A)	167+12.16	65.00' LT	728.28	179752.69	621978.98

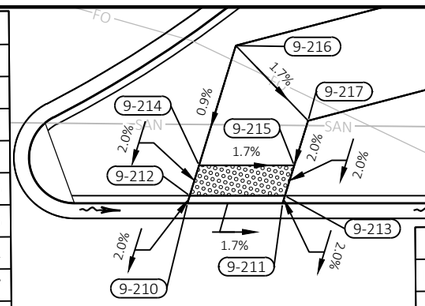
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 102	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021317

PLOT DATE : 7/15/2025 12:15 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

INT 9 - BYRD AVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-139	166+74.78	62.00' RT	727.46	179688.61	622094.75
9-140	166+69.69	57.00' RT	727.57	179684.75	622088.75
9-141	166+60.28	52.20' RT	727.83	179676.65	622081.97
9-142	166+55.21	51.27' RT	727.93	179671.90	622079.95
9-143	166+52.28	51.01' RT	728.44	179669.11	622079.05
9-144	166+74.14	62.00' RT	727.47	179687.98	622094.61
9-145	166+68.88	57.00' RT	727.58	179683.96	622088.57
9-146	166+60.13	52.67' RT	727.84	179676.40	622082.41
9-147	166+55.21	51.68' RT	727.92	179671.82	622080.34
9-148	166+71.50	62.00' RT	727.51	179685.40	622094.02
9-149	166+65.21	57.00' RT	727.64	179680.38	622087.75
9-149 (A)	166+64.08	53.74' RT	728.06	179680.01	622084.32
9-150	166+59.99	53.15' RT	727.85	179676.15	622082.84
9-151	166+59.40	55.06' RT	727.88	179675.15	622084.57
9-151 (A)	166+63.34	53.39' RT	728.08	179679.36	622083.82
9-152	166+54.62	53.59' RT	727.95	179670.82	622082.07
9-153	166+65.21	62.00' RT	727.60	179679.27	622092.63



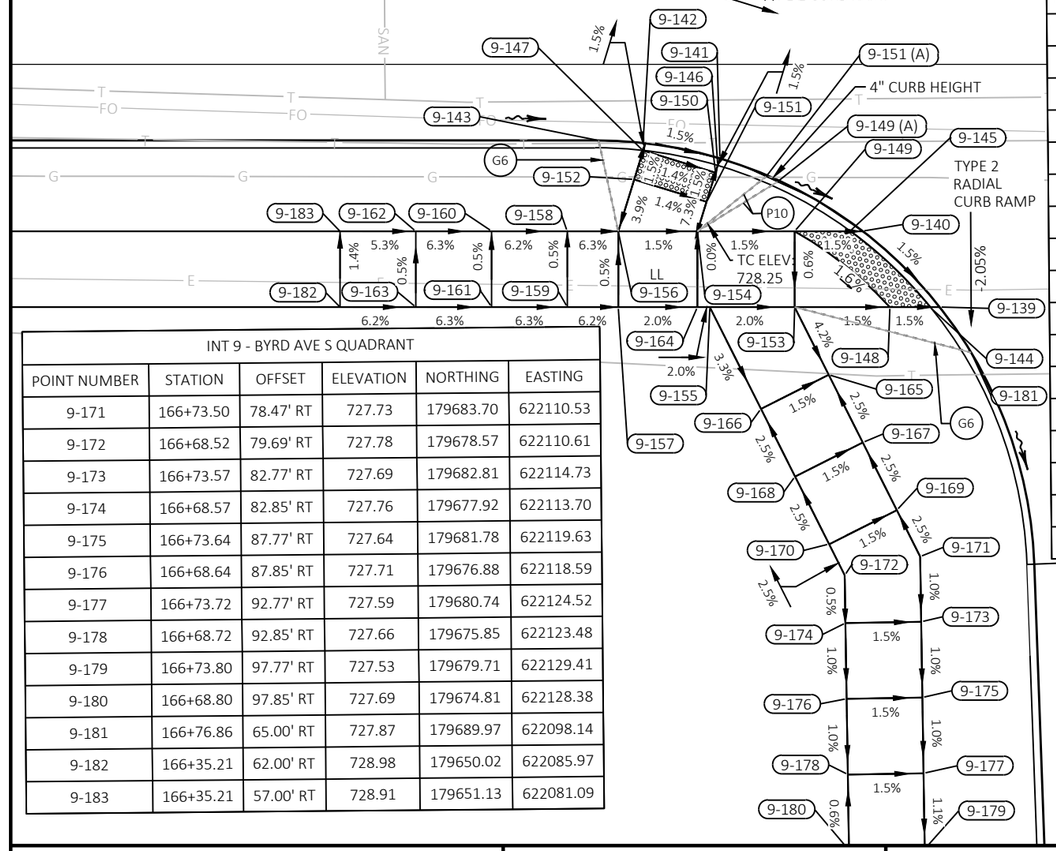
INT 9 - BYRD AVE MEDIAN					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-210	166+66.59	13.00' RT	727.86	179691.49	622045.16
9-211	166+72.86	13.00' RT	727.76	179697.62	622046.55
9-212	166+66.74	12.50' RT	727.87	179691.76	622044.70
9-213	166+73.02	12.50' RT	727.77	179697.88	622046.10
9-214	166+67.35	10.50' RT	727.92	179692.80	622042.89
9-215	166+73.63	10.50' RT	727.81	179698.92	622044.28
9-216	166+69.79	2.60' RT	727.99	179696.92	622035.72
9-217	166+74.54	7.56' RT	727.87	179700.46	622041.61
9-218	166+96.68	1.75' RT	727.46	179723.33	622040.87

INT 9 - BYRD AVE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-182	167+27.28	62.00' RT	726.61	179740.40	622106.28
9-183	167+32.44	57.00' RT	726.72	179746.51	622102.49
9-184	167+49.77	51.01' RT	726.82	179764.72	622100.33
9-185	167+27.87	62.00' RT	726.62	179740.98	622106.41
9-186	167+33.28	57.00' RT	726.74	179747.33	622102.67
9-187	167+30.55	62.00' RT	726.66	179743.60	622106.98
9-188	167+37.01	57.00' RT	726.79	179750.98	622103.47
9-189	167+37.01	62.00' RT	726.75	179749.91	622108.35
9-190	167+42.01	57.00' RT	726.87	179755.86	622104.53
9-191	167+42.01	62.00' RT	726.83	179754.80	622109.42
9-192	167+47.01	57.00' RT	727.19	179760.75	622105.60
9-193	167+47.01	62.00' RT	727.20	179759.68	622110.48
9-194	167+52.01	57.00' RT	727.51	179765.63	622106.66
9-195	167+52.01	62.00' RT	727.59	179764.57	622111.55
9-196	167+42.01	63.34' RT	726.86	179754.51	622110.73
9-197	167+28.47	76.81' RT	727.37	179738.41	622121.01
9-198	167+28.48	78.18' RT	727.41	179738.13	622122.35
9-199	167+33.48	78.13' RT	727.49	179743.03	622123.36
9-200	167+28.54	83.21' RT	727.59	179737.12	622127.27
9-201	167+33.54	83.15' RT	727.66	179742.02	622128.28

STH 31

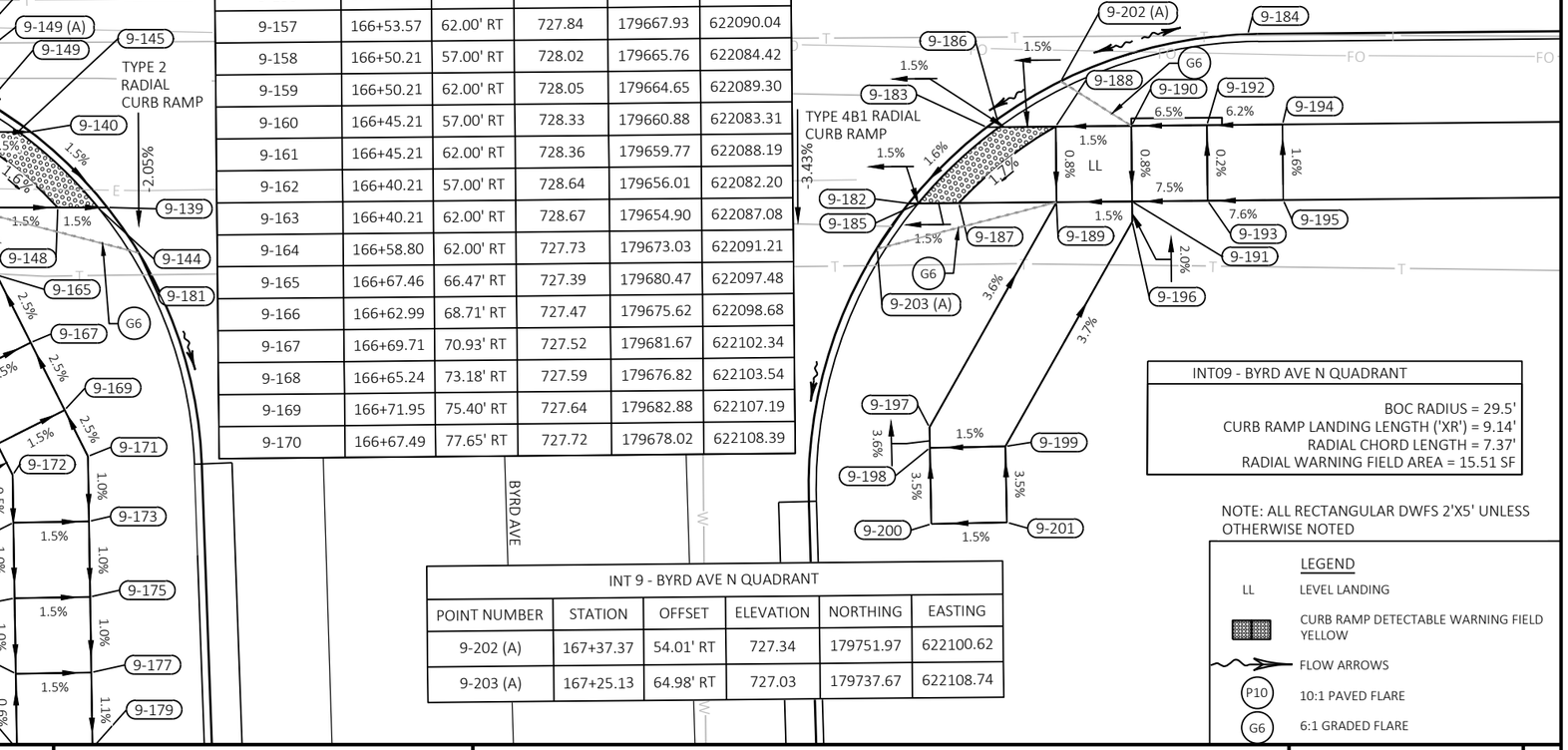
INT09 - BYRD AVE S QUADRANT
BOC RADIUS = 28.5'
CURB RAMP LANDING LENGTH ('XR') = 8.93'
RADIAL CHORD LENGTH = 7.26'
RADIAL WARNING FIELD AREA = 15.27 SF

-1.72% TYPE 2 CURB RAMP



INT 9 - BYRD AVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-154	166+58.80	57.00' RT	727.73	179674.14	622086.33
9-155	166+59.61	62.00' RT	727.72	179673.82	622091.39
9-156	166+53.57	57.00' RT	727.81	179669.04	622085.17
9-157	166+53.57	62.00' RT	727.84	179667.93	622090.04
9-158	166+50.21	57.00' RT	728.02	179665.76	622084.42
9-159	166+50.21	62.00' RT	728.05	179664.65	622089.30
9-160	166+45.21	57.00' RT	728.33	179660.88	622083.31
9-161	166+45.21	62.00' RT	728.36	179659.77	622088.19
9-162	166+40.21	57.00' RT	728.64	179656.01	622082.20
9-163	166+40.21	62.00' RT	728.67	179654.90	622087.08
9-164	166+58.80	62.00' RT	727.73	179673.03	622091.21
9-165	166+67.46	66.47' RT	727.39	179680.47	622097.48
9-166	166+62.99	68.71' RT	727.47	179675.62	622098.68
9-167	166+69.71	70.93' RT	727.52	179681.67	622102.34
9-168	166+65.24	73.18' RT	727.59	179676.82	622103.54
9-169	166+71.95	75.40' RT	727.64	179682.88	622107.19
9-170	166+67.49	77.65' RT	727.72	179678.02	622108.39

INT 9 - BYRD AVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-171	166+73.50	78.47' RT	727.73	179683.70	622110.53
9-172	166+68.52	79.69' RT	727.78	179678.57	622110.61
9-173	166+73.57	82.77' RT	727.69	179682.81	622114.73
9-174	166+68.57	82.85' RT	727.76	179677.92	622113.70
9-175	166+73.64	87.77' RT	727.64	179681.78	622119.63
9-176	166+68.64	87.85' RT	727.71	179676.88	622118.59
9-177	166+73.72	92.77' RT	727.59	179680.74	622124.52
9-178	166+68.72	92.85' RT	727.66	179675.85	622123.48
9-179	166+73.80	97.77' RT	727.53	179679.71	622129.41
9-180	166+68.80	97.85' RT	727.69	179674.81	622128.38
9-181	166+76.86	65.00' RT	727.87	179689.97	622098.14
9-182	166+35.21	62.00' RT	728.98	179650.02	622085.97
9-183	166+35.21	57.00' RT	728.91	179651.13	622081.09



INT09 - BYRD AVE N QUADRANT
BOC RADIUS = 29.5'
CURB RAMP LANDING LENGTH ('XR') = 9.14'
RADIAL CHORD LENGTH = 7.37'
RADIAL WARNING FIELD AREA = 15.51 SF

INT 9 - BYRD AVE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-202 (A)	167+37.37	54.01' RT	727.34	179751.97	622100.62
9-203 (A)	167+25.13	64.98' RT	727.03	179737.67	622108.74

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND

LL	LEVEL LANDING
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
	FLOW ARROWS
P10	10:1 PAVED FLARE
G6	6:1 GRADED FLARE

BYRD AVE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 103	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021318

PLOT DATE : 7/15/2025 12:15 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

LEGEND

LL LEVEL LANDING

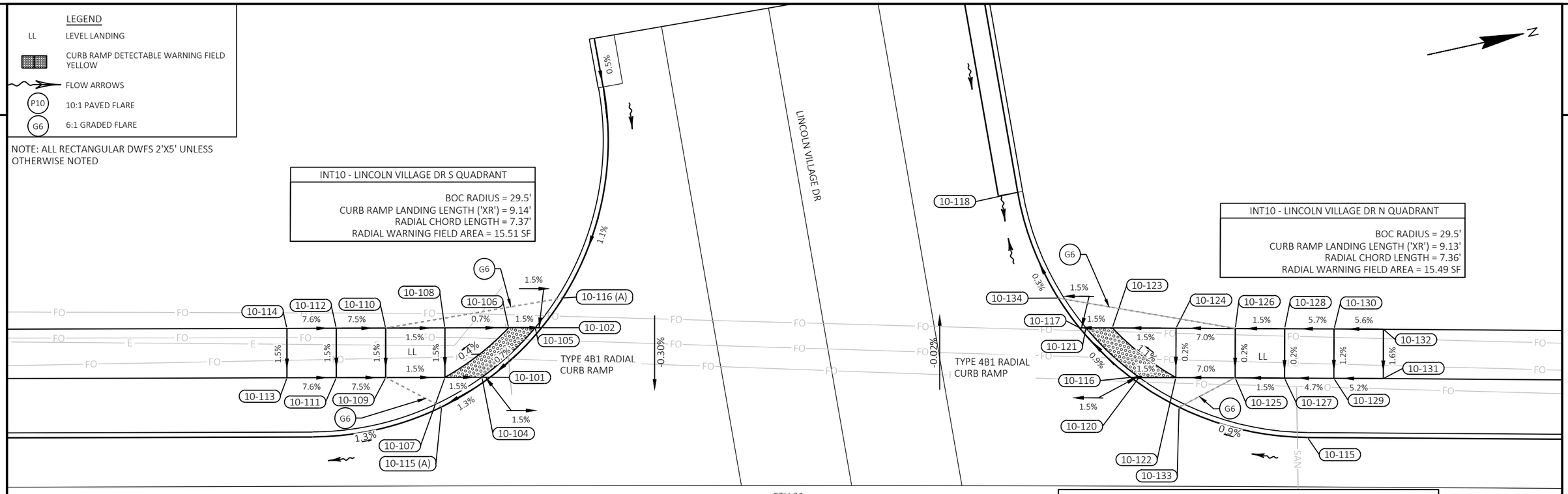
CURB RAMP DETECTABLE WARNING FIELD YELLOW

FLOW ARROWS

P10 10:1 PAVED FLARE

G6 6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED



INT 10 - LINCOLN VILLAGE DR S QUADRANT

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
10-101	170+95.35	57.00' LT	727.55	180125.38	622068.44
10-102	171+00.54	62.00' LT	727.60	180131.53	622064.67
10-103	171+02.19	111.89' LT	727.96	180143.81	622016.28
10-104	170+94.51	57.00' LT	727.56	180124.55	622068.26
10-105	170+99.90	62.00' LT	727.61	180130.91	622064.53
10-106	170+97.23	62.00' LT	727.65	180128.28	622063.96
10-107	170+90.78	57.00' LT	727.62	180120.91	622067.47
10-108	170+90.78	62.00' LT	727.70	180121.98	622062.58
10-109	170+84.78	57.00' LT	727.71	180115.05	622066.19
10-110	170+84.78	62.00' LT	727.79	180116.12	622061.30
10-111	170+79.78	57.00' LT	728.09	180110.16	622065.12
10-112	170+79.78	62.00' LT	728.16	180111.23	622060.24
10-113	170+74.78	57.00' LT	728.46	180105.28	622064.06
10-114	170+74.78	62.00' LT	728.54	180106.35	622059.17
10-115 (A)	170+90.42	54.00' LT	727.98	180119.93	622070.32
10-116 (A)	171+02.65	64.99' LT	728.15	180134.25	622062.20

INT 10 - LINCOLN VILLAGE DR N QUADRANT

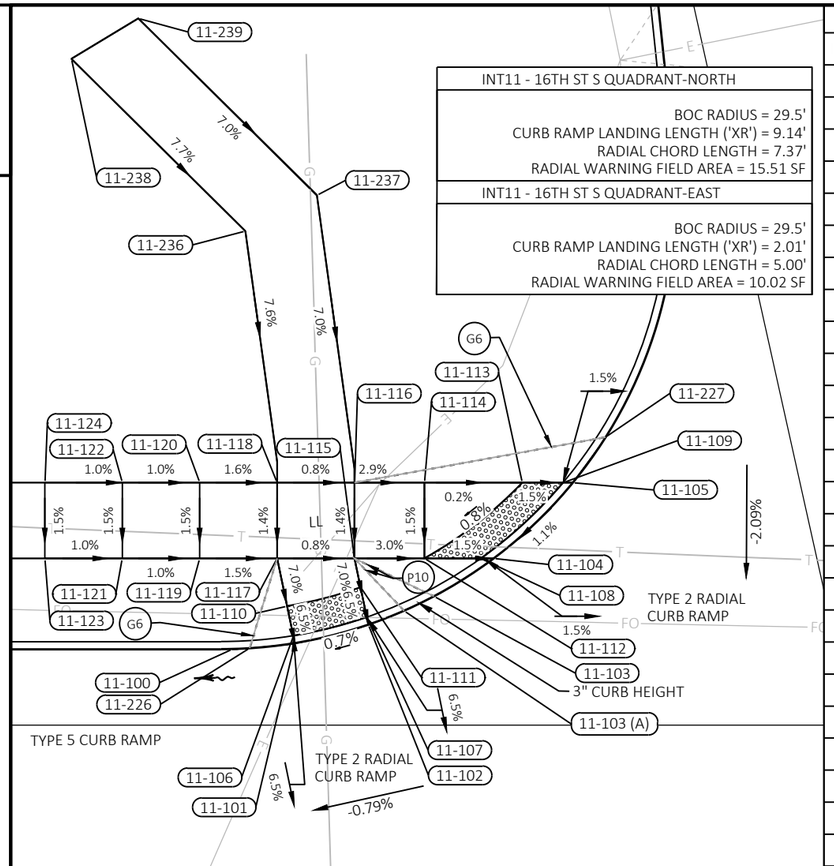
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
10-115	171+77.68	51.00' LT	728.42	180204.89	622092.26
10-116	171+59.94	57.00' LT	728.24	180188.80	622082.48
10-117	171+54.67	62.00' LT	728.17	180184.73	622076.44
10-118	171+48.42	75.71' LT	728.13	180181.58	622061.69
10-119	171+43.58	103.28' LT	728.43	180182.82	622033.71
10-120	171+60.68	57.00' LT	728.26	180189.53	622082.64
10-121	171+55.32	62.00' LT	728.18	180185.36	622076.58
10-122	171+64.39	57.00' LT	728.31	180193.17	622083.46
10-123	171+57.98	62.00' LT	728.22	180187.98	622077.17
10-124	171+64.39	62.00' LT	728.32	180194.26	622078.59
10-125	171+70.35	57.00' LT	728.73	180199.02	622084.78
10-126	171+70.35	62.00' LT	728.74	180200.12	622079.91
10-127	171+75.32	57.00' LT	728.81	180203.90	622085.89
10-128	171+75.32	62.00' LT	728.82	180204.99	622081.01
10-129	171+80.29	57.00' LT	729.04	180208.77	622086.99
10-130	171+80.28	62.00' LT	729.10	180209.87	622082.12
10-131	171+85.26	57.00' LT	729.30	180213.65	622088.10
10-132	171+85.25	62.00' LT	729.38	180214.75	622083.22
10-133	171+64.73	54.00' LT	728.73	180192.85	622086.47
10-134	171+52.53	65.00' LT	728.74	180183.28	622073.04

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 104	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021319

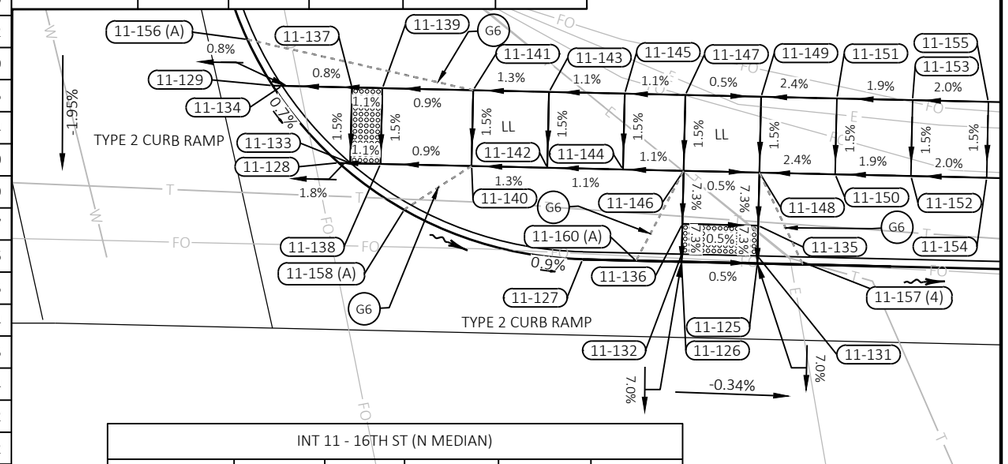
PLOT DATE : 7/28/2025 11:22 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

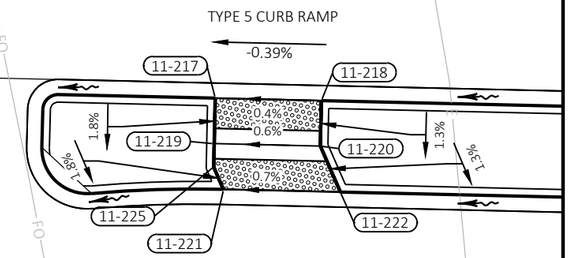


INT 11 - 16TH ST NW QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-125	176+69.19	51.00' LT	729.15	180684.13	622213.29
11-126	176+64.19	51.00' LT	729.18	180679.32	622211.92
11-127	176+57.65	51.00' LT	729.20	180673.04	622210.12
11-128	176+41.41	57.00' LT	729.36	180659.07	622199.88
11-129	176+36.94	62.00' LT	729.41	180656.16	622193.85
11-130	176+23.30	111.84' LT	729.77	180654.29	622141.50
11-131	176+69.19	51.50' LT	729.19	180684.27	622212.81
11-132	176+64.19	51.50' LT	729.21	180679.46	622211.44
11-133	176+42.19	57.00' LT	729.37	180659.82	622200.10
11-134	176+37.55	62.00' LT	729.41	180656.74	622194.01
11-135	176+69.19	53.50' LT	729.33	180684.82	622210.89
11-136	176+64.18	53.49' LT	729.36	180680.00	622209.52
11-137	176+42.19	62.00' LT	729.45	180661.20	622195.29
11-138	176+44.19	57.00' LT	729.39	180661.75	622200.65
11-139	176+44.19	62.00' LT	729.47	180663.12	622195.84
11-140	176+50.19	57.00' LT	729.45	180667.51	622202.30
11-141	176+50.19	62.00' LT	729.52	180668.89	622197.49
11-142	176+55.19	57.00' LT	729.51	180672.32	622203.67
11-143	176+55.19	62.00' LT	729.59	180673.70	622198.86
11-144	176+60.19	57.00' LT	729.57	180677.13	622205.05
11-145	176+60.19	62.00' LT	729.64	180678.50	622200.24
11-146	176+64.19	57.00' LT	729.61	180680.97	622206.15
11-147	176+64.19	62.00' LT	729.69	180682.35	622201.34
11-148	176+69.19	57.00' LT	729.59	180685.78	622207.52
11-149	176+69.19	62.00' LT	729.67	180687.16	622202.72

INT 11 - 16TH ST NW QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-150	176+74.19	57.00' LT	729.71	180690.59	622208.90
11-151	176+74.19	62.00' LT	729.78	180691.96	622204.09
11-152	176+79.19	57.00' LT	729.80	180695.40	622210.27
11-153	176+79.19	62.00' LT	729.88	180696.77	622205.47
11-154	176+84.19	57.00' LT	729.90	180700.20	622211.65
11-155	176+84.19	62.00' LT	729.98	180701.58	622206.84
11-156 (A)	176+35.22	65.00' LT	729.93	180655.32	622190.49
11-157 (4)	176+72.08	51.21' LT	729.64	180686.97	622213.89
11-158 (A)	176+45.81	54.02' LT	729.81	180662.49	622203.96
11-160 (A)	176+61.19	51.00' LT	729.69	180676.44	622211.09



INT 11 - 16TH ST (N MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-217	176+63.19	13.00' LT	728.57	180667.91	622248.17
11-218	176+70.19	13.00' LT	728.59	180674.64	622250.10
11-219	176+63.19	10.00' LT	728.51	180667.08	622251.06
11-220	176+70.19	10.00' LT	728.55	180673.81	622252.98
11-221	176+63.86	7.00' LT	728.45	180666.91	622254.13
11-222	176+71.57	7.00' LT	728.51	180674.32	622256.25
11-225	176+63.19	8.46' LT	728.48	180666.66	622252.54



INT 11 - 16TH ST SW QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-100	175+43.56	51.00' LT	728.94	180561.75	622180.18
11-101	175+47.69	51.41' LT	729.00	180565.85	622180.84
11-102	175+52.55	52.62' LT	729.04	180570.85	622180.89
11-103	175+56.88	54.50' LT	729.33	180575.52	622180.16
11-103 (A)	175+54.91	53.54' LT	729.31	180573.37	622180.60
11-104	175+60.82	57.00' LT	729.11	180579.97	622178.75
11-105	175+66.04	62.00' LT	729.19	180586.28	622175.23
11-106	175+47.59	51.89' LT	729.01	180565.87	622180.34
11-107	175+52.45	53.11' LT	729.07	180570.88	622180.39
11-108	175+59.98	57.00' LT	729.12	180579.15	622178.53
11-109	175+65.39	62.00' LT	729.20	180585.65	622175.06
11-110	175+47.18	53.85' LT	729.13	180565.97	622178.34
11-111	175+52.03	55.09' LT	729.20	180570.98	622178.37
11-112	175+56.25	57.00' LT	729.18	180575.54	622177.59
11-113	175+62.70	62.00' LT	729.24	180583.05	622174.38
11-114	175+56.25	62.00' LT	729.26	180576.81	622172.75

INT 11 - 16TH ST SW QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-115	175+51.63	57.00' LT	729.32	180571.07	622176.42
11-116	175+51.63	62.00' LT	729.39	180572.34	622171.58
11-117	175+46.52	57.00' LT	729.36	180566.13	622175.13
11-118	175+46.52	62.00' LT	729.43	180567.40	622170.29
11-119	175+41.41	57.00' LT	729.44	180561.19	622173.83
11-120	175+41.41	62.00' LT	729.51	180562.46	622169.00
11-121	175+36.31	57.00' LT	729.49	180556.25	622172.54
11-122	175+36.31	62.00' LT	729.56	180557.51	622167.70
11-123	175+31.20	57.00' LT	729.54	180551.31	622171.25
11-124	175+31.20	62.00' LT	729.61	180552.57	622166.41
11-226	175+44.71	51.09' LT	729.46	180562.88	622180.39
11-227	175+68.19	65.00' LT	729.75	180589.12	622172.87
11-236	175+44.42	78.60' LT	730.71	180569.57	622153.70
11-237	175+49.15	80.96' LT	730.73	180574.74	622152.61
11-238	175+32.95	89.97' LT	731.95	180561.35	622139.80
11-239	175+37.36	92.63' LT	731.89	180566.29	622138.34

STH 31

LEGEND
- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

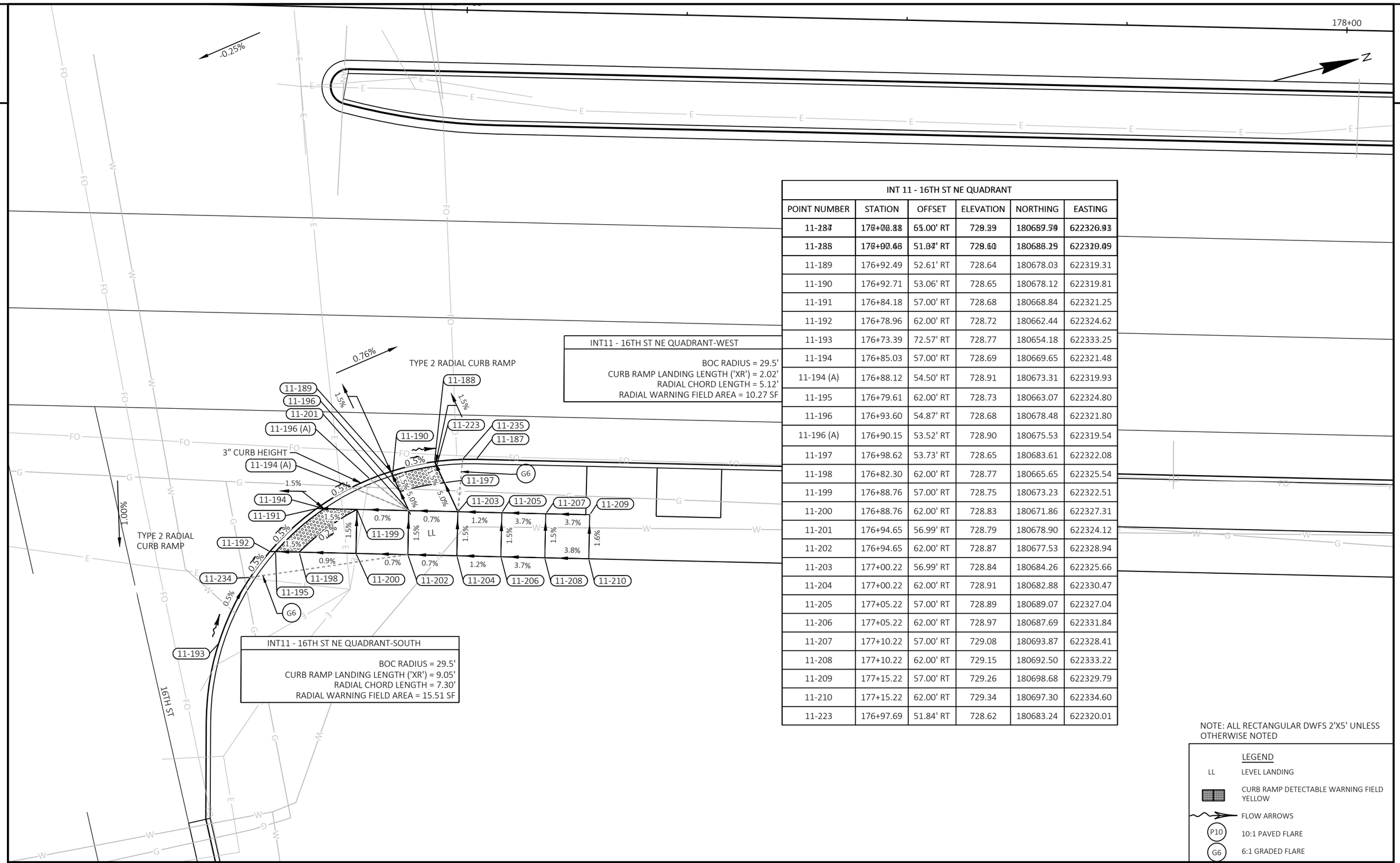
NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

N

2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 105	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - 021320
PLOT DATE : 7/15/2025 12:15 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



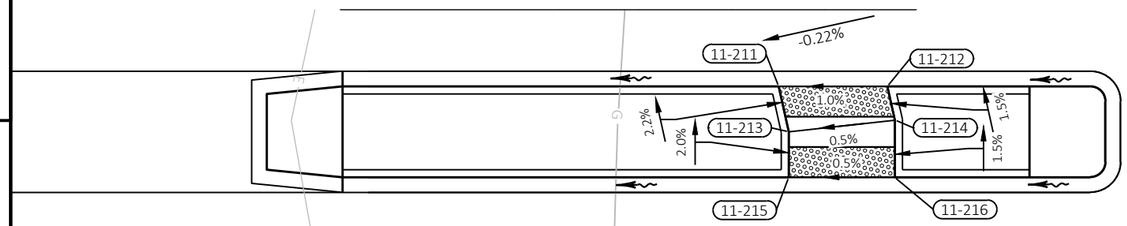
INT 11 - 16TH ST NE QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-187	176+08.88	61.00' RT	728.29	180687.79	622320.91
11-188	176+90.68	51.87' RT	728.60	180688.25	622319.09
11-189	176+92.49	52.61' RT	728.64	180678.03	622319.31
11-190	176+92.71	53.06' RT	728.65	180678.12	622319.81
11-191	176+84.18	57.00' RT	728.68	180668.84	622321.25
11-192	176+78.96	62.00' RT	728.72	180662.44	622324.62
11-193	176+73.39	72.57' RT	728.77	180654.18	622333.25
11-194	176+85.03	57.00' RT	728.69	180669.65	622321.48
11-194 (A)	176+88.12	54.50' RT	728.91	180673.31	622319.93
11-195	176+79.61	62.00' RT	728.73	180663.07	622324.80
11-196	176+93.60	54.87' RT	728.68	180678.48	622321.80
11-196 (A)	176+90.15	53.52' RT	728.90	180675.53	622319.54
11-197	176+98.62	53.73' RT	728.65	180683.61	622322.08
11-198	176+82.30	62.00' RT	728.77	180665.65	622325.54
11-199	176+88.76	57.00' RT	728.75	180673.23	622322.51
11-200	176+88.76	62.00' RT	728.83	180671.86	622327.31
11-201	176+94.65	56.99' RT	728.79	180678.90	622324.12
11-202	176+94.65	62.00' RT	728.87	180677.53	622328.94
11-203	177+00.22	56.99' RT	728.84	180684.26	622325.66
11-204	177+00.22	62.00' RT	728.91	180682.88	622330.47
11-205	177+05.22	57.00' RT	728.89	180689.07	622327.04
11-206	177+05.22	62.00' RT	728.97	180687.69	622331.84
11-207	177+10.22	57.00' RT	729.08	180693.87	622328.41
11-208	177+10.22	62.00' RT	729.15	180692.50	622333.22
11-209	177+15.22	57.00' RT	729.26	180698.68	622329.79
11-210	177+15.22	62.00' RT	729.34	180697.30	622334.60
11-223	176+97.69	51.84' RT	728.62	180683.24	622320.01

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 106	E

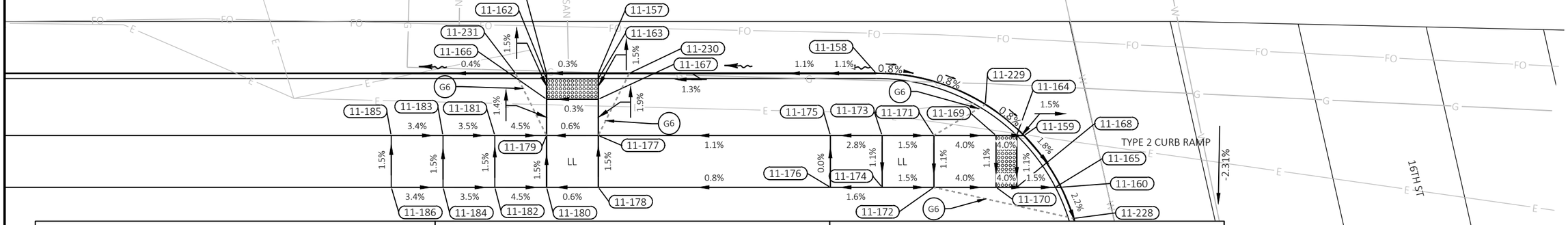


INT 11 - 16TH ST (S MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-211	175+59.65	7.00' RT	728.17	180562.64	622240.37
11-212	175+66.83	7.00' RT	728.19	180569.57	622242.18
11-213	175+60.32	10.00' RT	728.18	180562.52	622243.44
11-214	175+67.32	9.23' RT	728.22	180569.49	622244.47
11-215	175+60.32	13.00' RT	728.26	180561.76	622246.34
11-216	175+67.32	13.00' RT	728.29	180568.54	622248.11

TYPE 5 CURB RAMP
0.07%

STH 31

0.10%
TYPE 2 CURB RAMP



INT 11 - 16TH ST SE QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-156	175+61.32	51.00' RT	727.91	180553.11	622283.36
11-157	175+66.32	51.00' RT	727.92	180557.95	622284.62
11-158	175+93.16	51.00' RT	728.64	180583.92	622291.41
11-159	176+07.45	57.00' RT	728.01	180596.22	622300.83
11-160	176+11.02	62.00' RT	728.11	180598.41	622306.58
11-161	176+34.00	137.10' RT	728.17	180598.55	622384.45
11-162	175+61.32	51.51' RT	727.92	180552.98	622283.85
11-163	175+66.32	51.50' RT	727.93	180557.82	622285.10
11-164	176+06.74	57.00' RT	728.02	180595.53	622300.65
11-165	176+10.46	62.00' RT	727.91	180597.87	622306.43
11-166	175+61.32	53.50' RT	727.95	180552.48	622285.77
11-167	175+66.32	53.50' RT	727.96	180557.32	622287.04

INT 11 - 16TH ST SE QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-168	176+06.74	62.00' RT	727.96	180594.26	622305.49
11-169	176+04.74	57.00' RT	728.10	180593.60	622300.15
11-170	176+04.74	62.00' RT	728.04	180592.33	622304.99
11-171	175+98.74	57.00' RT	728.34	180587.79	622298.63
11-172	175+98.74	62.00' RT	728.28	180586.53	622303.47
11-173	175+93.74	57.00' RT	728.42	180582.95	622297.36
11-174	175+93.74	62.00' RT	728.36	180581.69	622302.20
11-175	175+88.74	57.00' RT	728.28	180578.12	622296.10
11-176	175+88.74	62.00' RT	728.28	180576.85	622300.94
11-177	175+66.32	57.00' RT	728.02	180556.43	622290.43
11-178	175+66.32	62.00' RT	728.10	180555.17	622295.26
11-179	175+61.32	57.00' RT	728.00	180551.59	622289.16

INT 11 - 16TH ST SE QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-180	175+61.32	62.00' RT	728.07	180550.33	622294.00
11-181	175+56.32	57.00' RT	728.22	180546.76	622287.89
11-182	175+56.32	62.00' RT	728.30	180545.49	622292.73
11-183	175+51.32	57.00' RT	728.40	180541.92	622286.63
11-184	175+51.32	62.00' RT	728.47	180540.65	622291.47
11-185	175+46.32	57.00' RT	728.57	180537.08	622285.36
11-186	175+46.32	62.00' RT	728.65	180535.82	622290.20
11-228	176+12.24	65.00' RT	727.93	180598.83	622309.79
11-229	176+03.70	54.00' RT	728.64	180593.35	622296.98
11-230	175+69.32	51.00' RT	728.43	180560.85	622285.38
11-231	175+58.32	51.00' RT	728.39	180550.21	622282.60

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

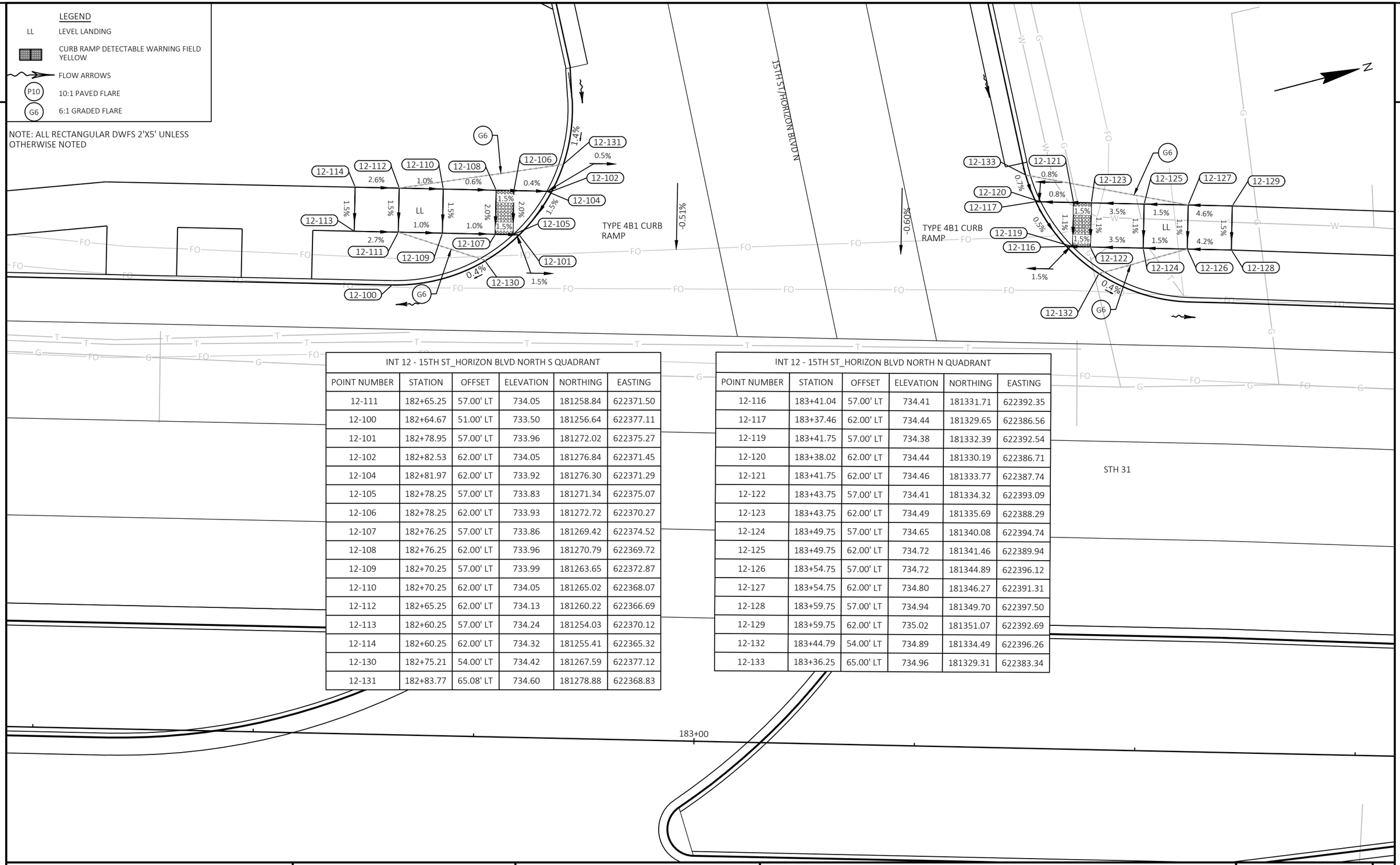
LEGEND
- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 107	E

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED



INT 12 - 15TH ST_HORIZON BLVD NORTH S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
12-111	182+65.25	57.00' LT	734.05	181258.84	622371.50
12-100	182+64.67	51.00' LT	733.50	181256.64	622377.11
12-101	182+78.95	57.00' LT	733.96	181272.02	622375.27
12-102	182+82.53	62.00' LT	734.05	181276.84	622371.45
12-104	182+81.97	62.00' LT	733.92	181276.30	622371.29
12-105	182+78.25	57.00' LT	733.83	181271.34	622375.07
12-106	182+78.25	62.00' LT	733.93	181272.72	622370.27
12-107	182+76.25	57.00' LT	733.86	181269.42	622374.52
12-108	182+76.25	62.00' LT	733.96	181270.79	622369.72
12-109	182+70.25	57.00' LT	733.99	181263.65	622372.87
12-110	182+70.25	62.00' LT	734.05	181265.02	622368.07
12-112	182+65.25	62.00' LT	734.13	181260.22	622366.69
12-113	182+60.25	57.00' LT	734.24	181254.03	622370.12
12-114	182+60.25	62.00' LT	734.32	181255.41	622365.32
12-130	182+75.21	54.00' LT	734.42	181267.59	622377.12
12-131	182+83.77	65.08' LT	734.60	181278.88	622368.83

INT 12 - 15TH ST_HORIZON BLVD NORTH N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
12-116	183+41.04	57.00' LT	734.41	181331.71	622392.35
12-117	183+37.46	62.00' LT	734.44	181329.65	622386.56
12-119	183+41.75	57.00' LT	734.38	181332.39	622392.54
12-120	183+38.02	62.00' LT	734.44	181330.19	622386.71
12-121	183+41.75	62.00' LT	734.46	181333.77	622387.74
12-122	183+43.75	57.00' LT	734.41	181334.32	622393.09
12-123	183+43.75	62.00' LT	734.49	181335.69	622388.29
12-124	183+49.75	57.00' LT	734.65	181340.08	622394.74
12-125	183+49.75	62.00' LT	734.72	181341.46	622389.94
12-126	183+54.75	57.00' LT	734.72	181344.89	622396.12
12-127	183+54.75	62.00' LT	734.80	181346.27	622391.31
12-128	183+59.75	57.00' LT	734.94	181349.70	622397.50
12-129	183+59.75	62.00' LT	735.02	181351.07	622392.69
12-132	183+44.79	54.00' LT	734.89	181334.49	622396.26
12-133	183+36.25	65.00' LT	734.96	181329.31	622383.34

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 108	E

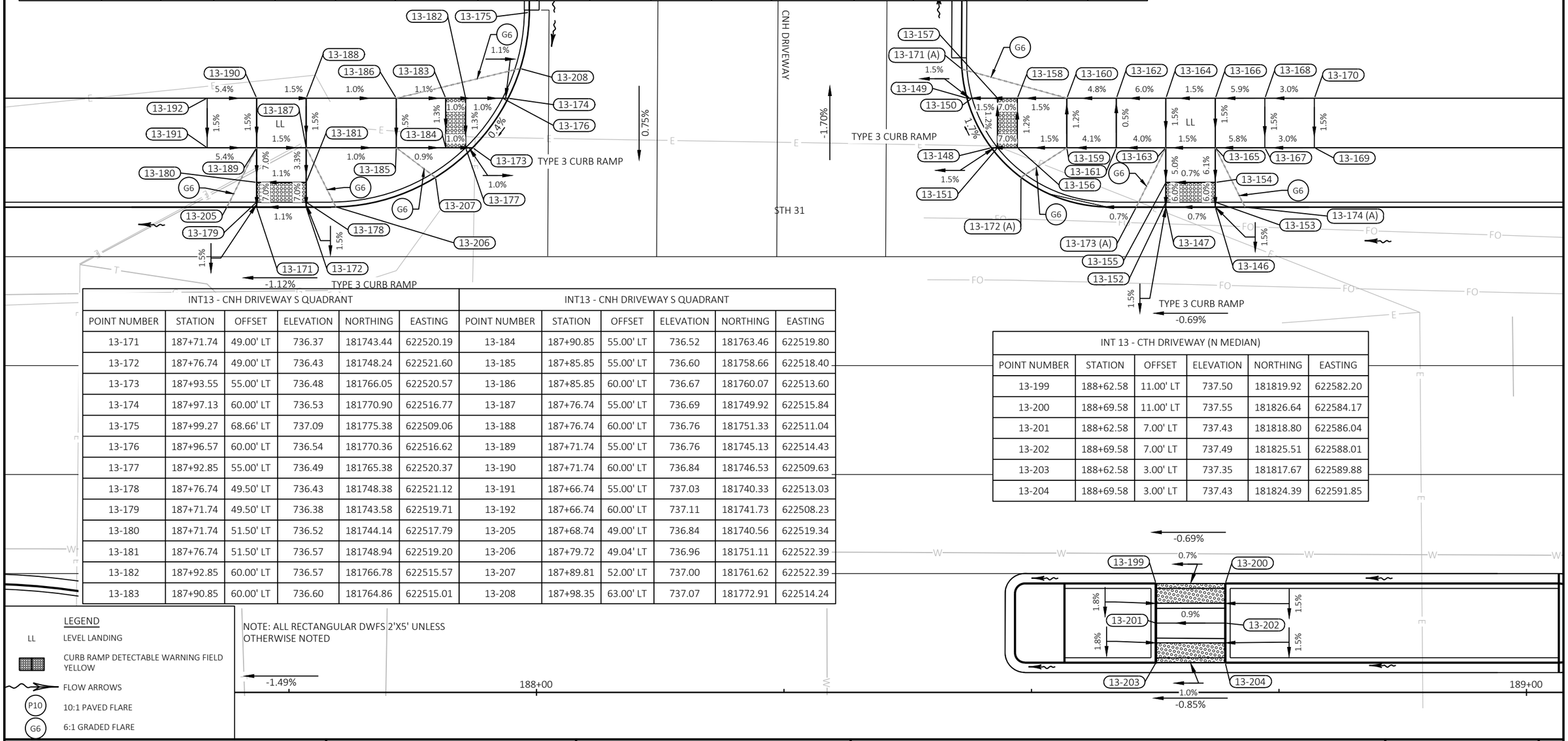
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INT13 - CNH DRIVEWAY N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-146	188+68.58	49.00' LT	737.24	181836.37	622547.42
13-147	188+63.58	49.00' LT	737.21	181831.57	622546.02
13-148	188+45.95	55.00' LT	736.91	181816.34	622535.30
13-149	188+43.49	60.00' LT	736.88	181815.38	622529.81
13-150	188+44.01	60.00' LT	736.89	181815.88	622529.96
13-151	188+46.58	55.00' LT	736.92	181816.94	622535.48
13-152	188+63.58	49.50' LT	737.22	181831.71	622545.54
13-153	188+68.58	49.50' LT	737.25	181836.51	622546.94

INT13 - CNH DRIVEWAY N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-154	188+68.58	51.50' LT	737.37	181837.07	622545.03
13-155	188+63.58	51.50' LT	737.34	181832.27	622543.62
13-156	188+48.58	55.00' LT	736.98	181818.86	622536.04
13-157	188+46.58	60.00' LT	736.92	181818.35	622530.68
13-158	188+48.58	60.00' LT	736.98	181820.27	622531.24
13-159	188+53.58	55.00' LT	737.18	181823.66	622537.45
13-160	188+53.58	60.00' LT	737.18	181825.07	622532.65
13-161	188+58.58	55.00' LT	737.38	181828.46	622538.85

INT13 - CNH DRIVEWAY N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-162	188+58.58	60.00' LT	737.38	181829.86	622534.06
13-163	188+63.58	55.00' LT	737.51	181833.26	622540.26
13-164	188+63.58	60.00' LT	737.58	181834.66	622535.46
13-165	188+68.58	55.00' LT	737.58	181838.05	622541.67
13-166	188+68.58	60.00' LT	737.66	181839.46	622536.87
13-167	188+73.58	55.00' LT	737.88	181842.85	622543.07
13-168	188+73.58	60.00' LT	737.95	181844.26	622538.27
13-169	188+78.58	55.00' LT	738.03	181847.65	622544.48

INT13 - CNH DRIVEWAY N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-170	188+78.58	60.00' LT	738.10	181849.06	622539.68
13-171 (A)	188+42.99	62.94' LT	736.71	181815.73	622526.85
13-172 (A)	188+48.95	52.00' LT	737.50	181818.37	622539.02
13-173 (A)	188+60.58	49.00' LT	737.69	181828.69	622545.17
13-174 (A)	188+71.58	49.00' LT	737.76	181839.25	622548.27



INT13 - CNH DRIVEWAY S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-171	187+71.74	49.00' LT	736.37	181743.44	622520.19
13-172	187+76.74	49.00' LT	736.43	181748.24	622521.60
13-173	187+93.55	55.00' LT	736.48	181766.05	622520.57
13-174	187+97.13	60.00' LT	736.53	181770.90	622516.77
13-175	187+99.27	68.66' LT	737.09	181775.38	622509.06
13-176	187+96.57	60.00' LT	736.54	181770.36	622516.62
13-177	187+92.85	55.00' LT	736.49	181765.38	622520.37
13-178	187+76.74	49.50' LT	736.43	181748.38	622521.12
13-179	187+71.74	49.50' LT	736.38	181743.58	622519.71
13-180	187+71.74	51.50' LT	736.52	181744.14	622517.79
13-181	187+76.74	51.50' LT	736.57	181748.94	622519.20
13-182	187+92.85	60.00' LT	736.57	181766.78	622515.57
13-183	187+90.85	60.00' LT	736.60	181764.86	622515.01

INT13 - CNH DRIVEWAY S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-184	187+90.85	55.00' LT	736.52	181763.46	622519.80
13-185	187+85.85	55.00' LT	736.60	181758.66	622518.40
13-186	187+85.85	60.00' LT	736.67	181760.07	622513.60
13-187	187+76.74	55.00' LT	736.69	181749.92	622515.84
13-188	187+76.74	60.00' LT	736.76	181751.33	622511.04
13-189	187+71.74	55.00' LT	736.76	181745.13	622514.43
13-190	187+71.74	60.00' LT	736.84	181746.53	622509.63
13-191	187+66.74	55.00' LT	737.03	181740.33	622513.03
13-192	187+66.74	60.00' LT	737.11	181741.73	622508.23
13-205	187+68.74	49.00' LT	736.84	181740.56	622519.34
13-206	187+79.72	49.04' LT	736.96	181751.11	622522.39
13-207	187+89.81	52.00' LT	737.00	181761.62	622522.39
13-208	187+98.35	63.00' LT	737.07	181772.91	622514.24

INT 13 - CTH DRIVEWAY (N MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-199	188+62.58	11.00' LT	737.50	181819.92	622582.20
13-200	188+69.58	11.00' LT	737.55	181826.64	622584.17
13-201	188+62.58	7.00' LT	737.43	181818.80	622586.04
13-202	188+69.58	7.00' LT	737.49	181825.51	622588.01
13-203	188+62.58	3.00' LT	737.35	181817.67	622589.88
13-204	188+69.58	3.00' LT	737.43	181824.39	622591.85

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 109	E

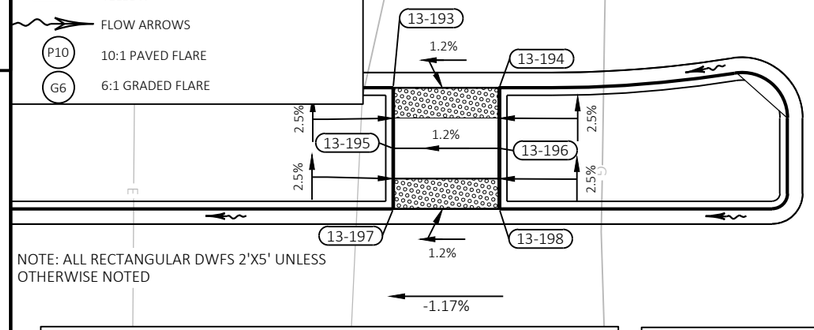
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PLOT DATE : 7/15/2025 12:16 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- LL — LEVEL LANDING
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- FLOW ARROWS
- P10 — 10:1 PAVED FLARE
- G6 — 6:1 GRADED FLARE



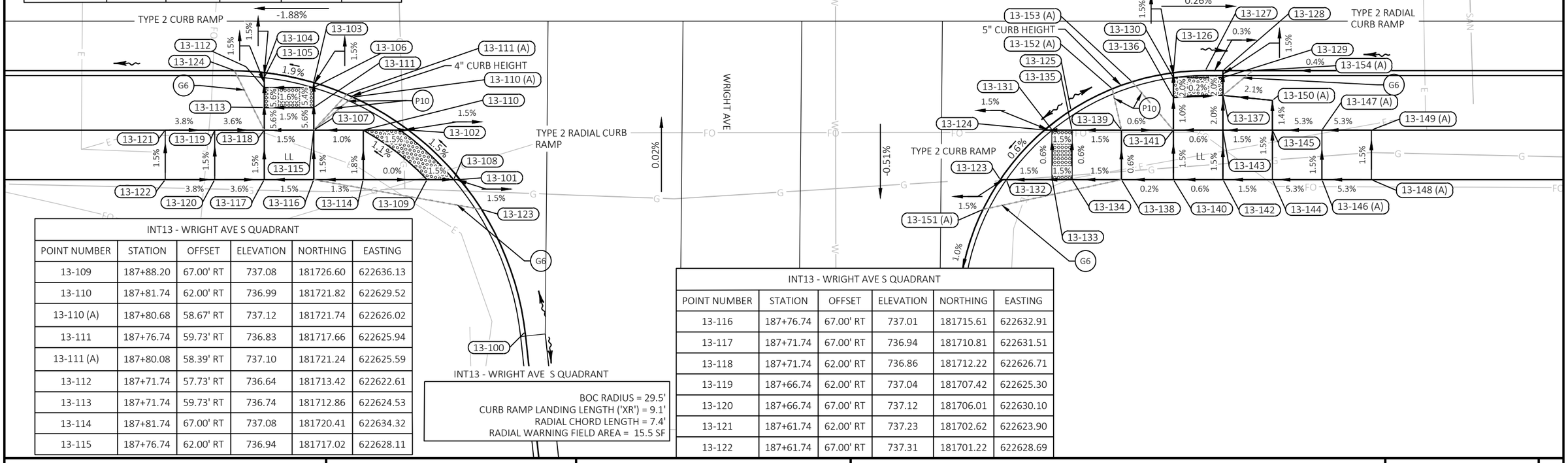
NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED

INT13 - WRIGHT AVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-100	187+98.09	82.36' RT	737.13	181731.78	622653.66
13-101	187+91.45	67.00' RT	737.03	181729.73	622637.05
13-102	187+86.32	62.00' RT	736.92	181726.21	622630.81
13-103	187+76.74	57.19' RT	736.72	181718.37	622623.50
13-104	187+71.73	56.17' RT	736.61	181713.85	622621.11
13-105	187+71.74	56.70' RT	736.62	181713.71	622621.62
13-106	187+76.74	57.73' RT	736.73	181718.22	622624.02
13-107	187+76.74	62.00' RT	736.94	181717.02	622628.11
13-108	187+90.88	67.00' RT	737.04	181729.18	622636.89

INT 13 - WRIGHT AVE (S MEDIAN)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-193	187+70.74	10.00' RT	736.57	181725.88	622576.53
13-194	187+77.74	10.00' RT	736.65	181732.60	622578.50
13-195	187+70.74	14.00' RT	736.67	181724.76	622580.36
13-196	187+77.74	14.00' RT	736.75	181731.48	622582.33
13-197	187+70.74	18.00' RT	736.76	181723.63	622584.20
13-198	187+77.74	18.00' RT	736.85	181730.35	622586.17

INT13 - WRIGHT AVE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-123	188+46.09	67.00' RT	737.32	181782.16	622652.42
13-124	188+50.63	62.00' RT	737.36	181787.92	622648.90
13-125	188+53.24	60.00' RT	737.37	181790.99	622647.71
13-126	188+63.58	56.21' RT	737.36	181801.98	622646.98
13-127	188+66.80	56.00' RT	737.36	181805.13	622647.69
13-128	188+68.58	56.00' RT	737.35	181806.84	622648.19
13-129	188+68.58	56.71' RT	737.36	181806.63	622648.87
13-130	188+63.58	56.71' RT	737.37	181801.84	622647.46
13-131	188+51.33	62.00' RT	737.37	181788.60	622649.09
13-132	188+46.70	67.00' RT	737.33	181782.74	622652.59
13-133	188+51.33	67.00' RT	737.40	181787.19	622653.89
13-134	188+53.33	67.00' RT	737.43	181789.11	622654.45
13-135	188+53.33	62.00' RT	737.40	181790.52	622649.66
13-136	188+63.58	58.71' RT	737.49	181801.27	622649.38
13-137	188+68.58	58.50' RT	737.40	181806.13	622650.59
13-138	188+58.33	67.00' RT	737.53	181793.91	622655.86
13-139	188+58.33	62.00' RT	737.50	181795.32	622651.06

INT13 - WRIGHT AVE N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-140	188+63.58	67.00' RT	737.71	181798.94	622657.34
13-141	188+63.58	62.00' RT	737.64	181800.35	622652.54
13-142	188+68.58	67.00' RT	737.79	181803.74	622658.74
13-143	188+68.58	62.00' RT	737.71	181805.15	622653.94
13-144	188+73.58	67.00' RT	738.13	181808.54	622660.15
13-145	188+73.58	62.00' RT	738.05	181809.95	622655.35
13-146 (A)	188+78.58	67.00' RT	737.88	181813.34	622661.55
13-147 (A)	188+78.58	62.00' RT	737.81	181814.74	622656.76
13-148 (A)	188+83.58	67.00' RT	738.14	181818.14	622662.96
13-149 (A)	188+83.58	62.00' RT	738.07	181819.54	622658.16
13-150 (A)	188+73.58	59.00' RT	737.50	181810.79	622652.47
13-151 (A)	188+44.36	70.00' RT	737.80	181779.66	622654.81
13-152 (A)	188+57.41	57.83' RT	737.78	181795.60	622646.80
13-153 (A)	188+59.41	57.12' RT	737.78	181797.72	622646.68
13-154 (A)	188+71.58	56.00' RT	737.84	181809.71	622649.03



INT13 - WRIGHT AVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-109	187+88.20	67.00' RT	737.08	181726.60	622636.13
13-110	187+81.74	62.00' RT	736.99	181721.82	622629.52
13-110 (A)	187+80.68	58.67' RT	737.12	181721.74	622626.02
13-111	187+76.74	59.73' RT	736.83	181717.66	622625.94
13-111 (A)	187+80.08	58.39' RT	737.10	181721.24	622625.59
13-112	187+71.74	57.73' RT	736.64	181713.42	622622.61
13-113	187+71.74	59.73' RT	736.74	181712.86	622624.53
13-114	187+81.74	67.00' RT	737.08	181720.41	622634.32
13-115	187+76.74	62.00' RT	736.94	181717.02	622628.11

INT13 - WRIGHT AVE S QUADRANT

BOC RADIUS = 29.5'
CURB RAMP LANDING LENGTH ('XR') = 9.1'
RADIAL CHORD LENGTH = 7.4'
RADIAL WARNING FIELD AREA = 15.5 SF

INT13 - WRIGHT AVE S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-116	187+76.74	67.00' RT	737.01	181715.61	622632.91
13-117	187+71.74	67.00' RT	736.94	181710.81	622631.51
13-118	187+71.74	62.00' RT	736.86	181712.22	622626.71
13-119	187+66.74	62.00' RT	737.04	181707.42	622625.30
13-120	187+66.74	67.00' RT	737.12	181706.01	622630.10
13-121	187+61.74	62.00' RT	737.23	181702.62	622623.90
13-122	187+61.74	67.00' RT	737.31	181701.22	622628.69

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 110	E

LEGEND

LL LEVEL LANDING

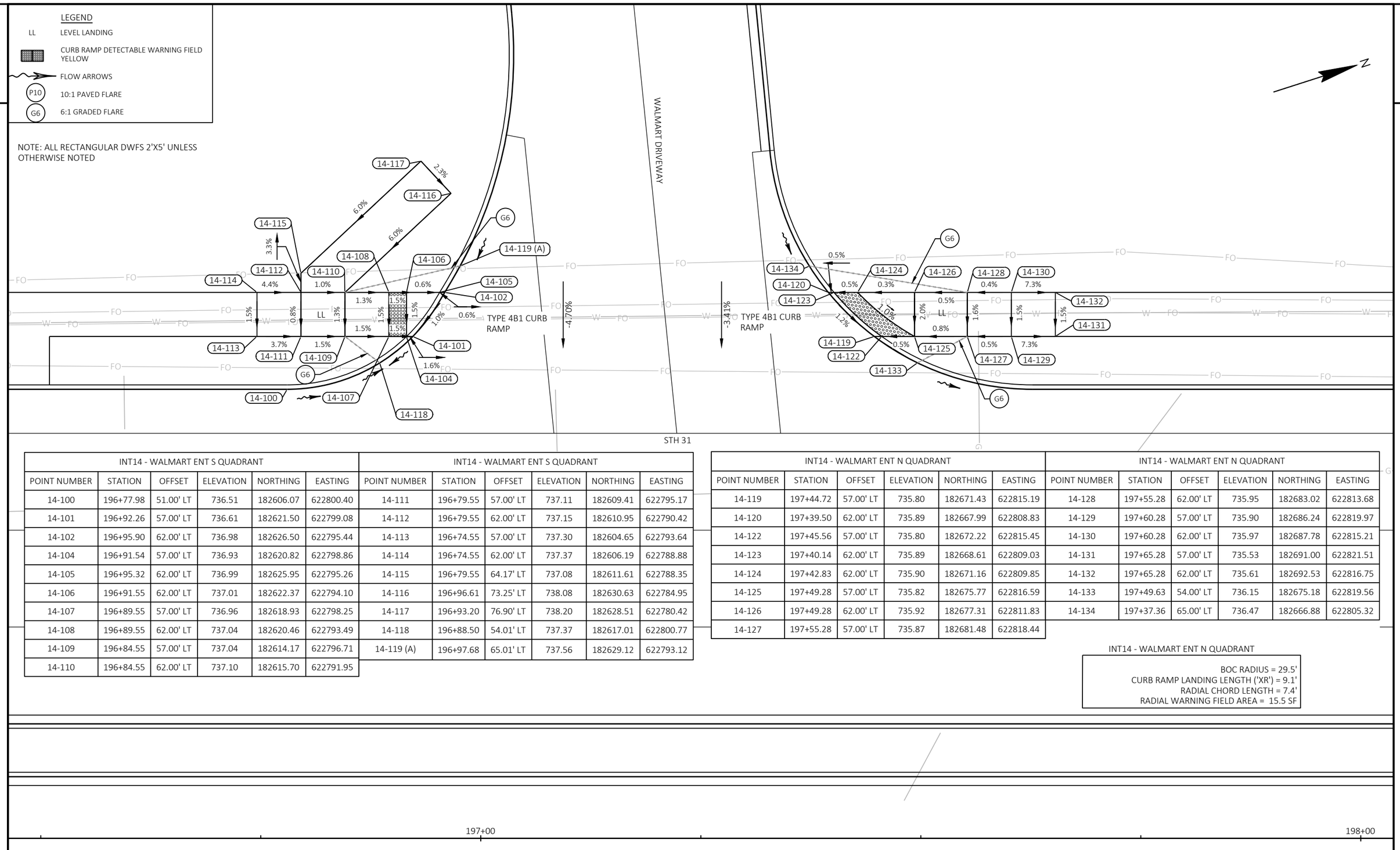
CURB RAMP DETECTABLE WARNING FIELD YELLOW

FLOW ARROWS

P10 10:1 PAVED FLARE

G6 6:1 GRADED FLARE

NOTE: ALL RECTANGULAR DWFS 2'X5' UNLESS OTHERWISE NOTED



INT14 - WALMART ENT S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
14-100	196+77.98	51.00' LT	736.51	182606.07	622800.40
14-101	196+92.26	57.00' LT	736.61	182621.50	622799.08
14-102	196+95.90	62.00' LT	736.98	182626.50	622795.44
14-104	196+91.54	57.00' LT	736.93	182620.82	622798.86
14-105	196+95.32	62.00' LT	736.99	182625.95	622795.26
14-106	196+91.55	62.00' LT	737.01	182622.37	622794.10
14-107	196+89.55	57.00' LT	736.96	182618.93	622798.25
14-108	196+89.55	62.00' LT	737.04	182620.46	622793.49
14-109	196+84.55	57.00' LT	737.04	182614.17	622796.71
14-110	196+84.55	62.00' LT	737.10	182615.70	622791.95

INT14 - WALMART ENT S QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
14-111	196+79.55	57.00' LT	737.11	182609.41	622795.17
14-112	196+79.55	62.00' LT	737.15	182610.95	622790.42
14-113	196+74.55	57.00' LT	737.30	182604.65	622793.64
14-114	196+74.55	62.00' LT	737.37	182606.19	622788.88
14-115	196+79.55	64.17' LT	737.08	182611.61	622788.35
14-116	196+96.61	73.25' LT	738.08	182630.63	622784.95
14-117	196+93.20	76.90' LT	738.20	182628.51	622780.42
14-118	196+88.50	54.01' LT	737.37	182617.01	622800.77
14-119 (A)	196+97.68	65.01' LT	737.56	182629.12	622793.12

INT14 - WALMART ENT N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
14-119	197+44.72	57.00' LT	735.80	182671.43	622815.19
14-120	197+39.50	62.00' LT	735.89	182667.99	622808.83
14-122	197+45.56	57.00' LT	735.80	182672.22	622815.45
14-123	197+40.14	62.00' LT	735.89	182668.61	622809.03
14-124	197+42.83	62.00' LT	735.90	182671.16	622809.85
14-125	197+49.28	57.00' LT	735.82	182675.77	622816.59
14-126	197+49.28	62.00' LT	735.92	182677.31	622811.83
14-127	197+55.28	57.00' LT	735.87	182681.48	622818.44

INT14 - WALMART ENT N QUADRANT					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
14-128	197+55.28	62.00' LT	735.95	182683.02	622813.68
14-129	197+60.28	57.00' LT	735.90	182686.24	622819.97
14-130	197+60.28	62.00' LT	735.97	182687.78	622815.21
14-131	197+65.28	57.00' LT	735.53	182691.00	622821.51
14-132	197+65.28	62.00' LT	735.61	182692.53	622816.75
14-133	197+49.63	54.00' LT	736.15	182675.18	622819.56
14-134	197+37.36	65.00' LT	736.47	182666.88	622805.32

INT14 - WALMART ENT N QUADRANT

BOC RADIUS = 29.5'
CURB RAMP LANDING LENGTH ('XR') = 9.1'
RADIAL CHORD LENGTH = 7.4'
RADIAL WARNING FIELD AREA = 15.5 SF

197+00 198+00

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 111	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\021303-CR.DWG
LAYOUT NAME - 021326

PLOT DATE : 7/25/2025 3:56 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

2

STH 11

STH 31

SIGN

SIGN

SIGN

118+00

119+00

120+00

121+00

122

MATCHLINE STA 128+00

STH 31

STH 11

B

0+00.00

N

LEGEND

- LAWN SOD
- A — INLET PROTECTION (TYPE A)
- B — INLET PROTECTION (TYPE B)
- C — INLET PROTECTION (TYPE C)
- D — INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 112	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200101-ec

PLOT DATE : 7/15/2025 9:33 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1:1.00 FT

WISDOT/CADDS SHEET 42

2

MATCHLINE STA 122+00

MATCHLINE STA 128+00

123+00

124+00

125+00

126+00

127+00

128+00

8+00

9+00

TIMBER DR

STH 31

STH 31

EX R/W

EX R/W

TLE

TLE

TLE

TLE

TLE

PRW

ERW

REGENCY MALL ENT SOUTH

N

LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

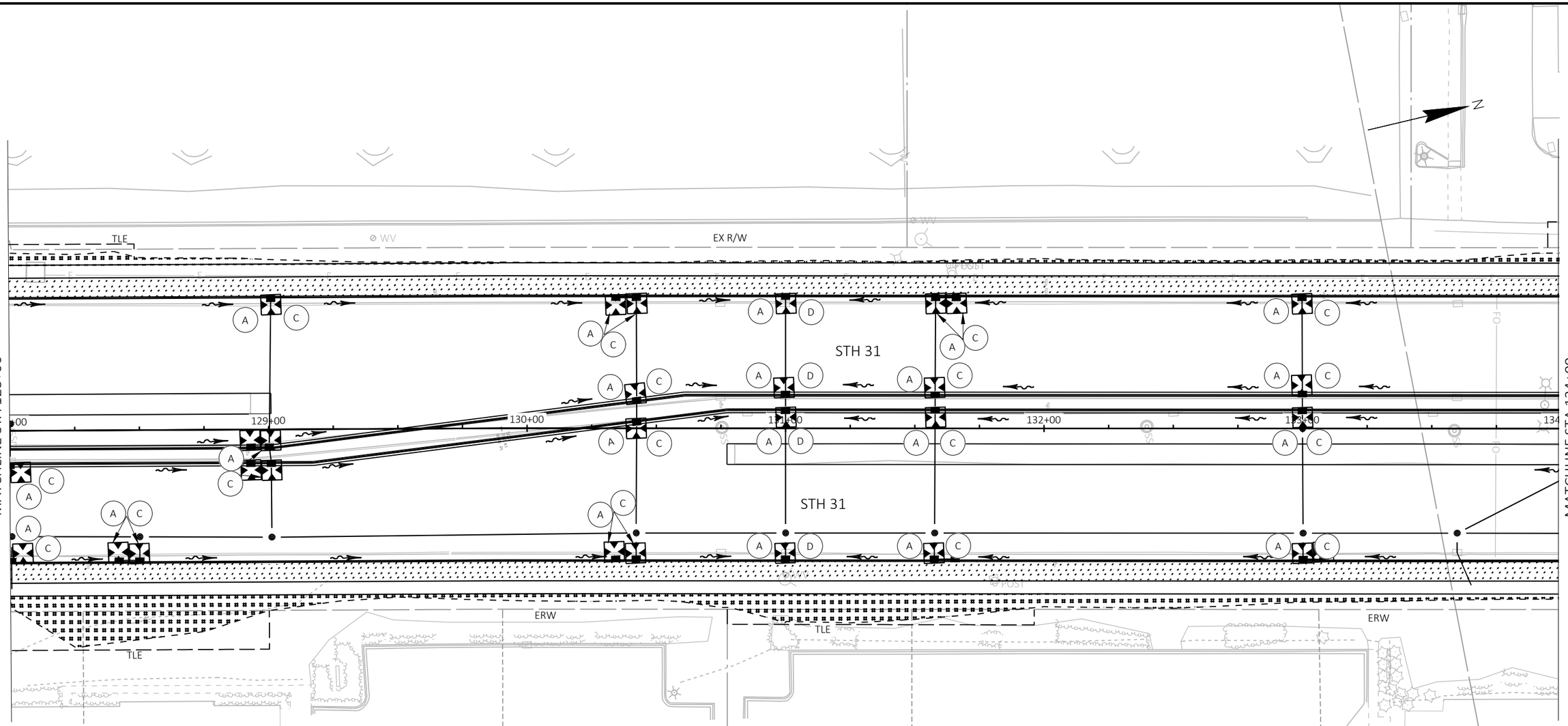
PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 113	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200102-ec

PLOT DATE : 7/15/2025 9:33 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL- STH 31	SHEET 114	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200103-ec

PLOT DATE : 7/15/2025 9:33 AM PLOT BY : CODY LABELLE PLOT NAME : **PLOT SCALE :** 1 IN:40 FT

2

N

REGENCY WEST DR

9+00

STH 31

MATCHLINE STA 134+00

MATCHLINE STA 140+00

135+00

136+00

137+00

138+00

139+00

TLE

EX R/W

REGENCY MALL ENT NORTH

LEGEND

- LAWN SOD
- A — INLET PROTECTION (TYPE A)
- B — INLET PROTECTION (TYPE B)
- C — INLET PROTECTION (TYPE C)
- D — INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

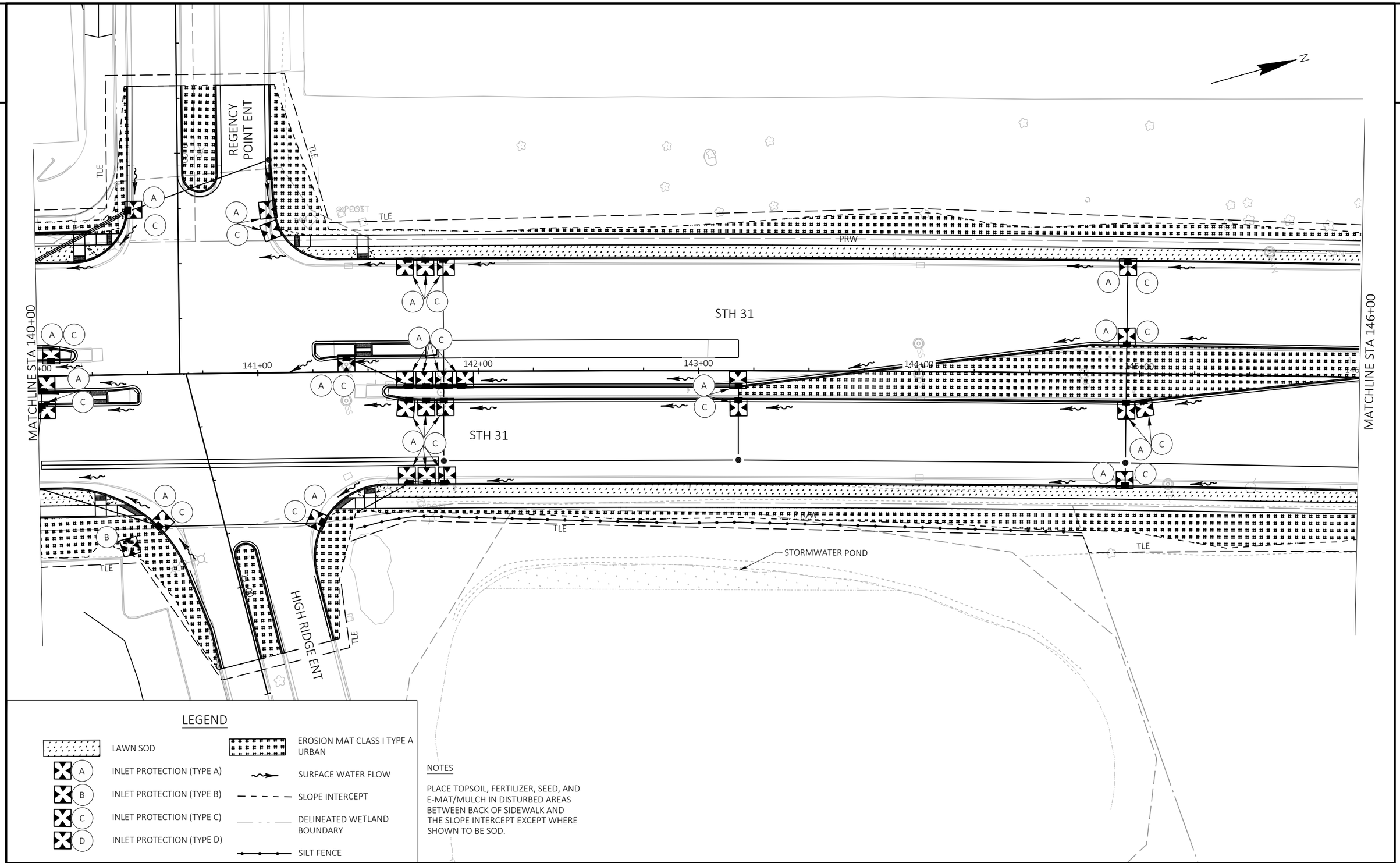
NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 115	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200104-ec
PLOT DATE : 7/15/2025 9:34 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

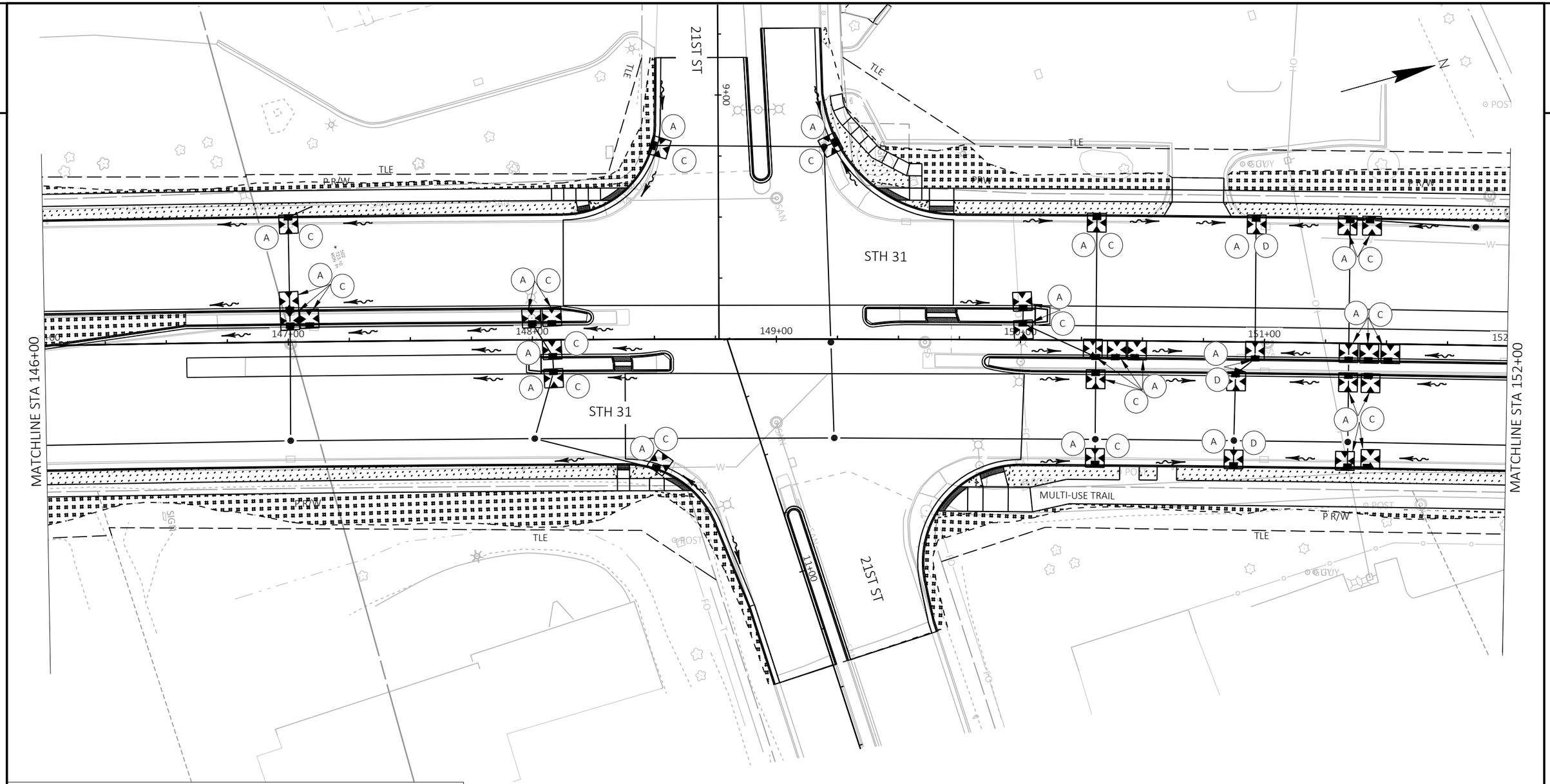
NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 116	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200105-ec
PLOT DATE : 7/15/2025 9:34 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 117	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200106-ec
PLOT DATE : 7/15/2025 9:34 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

JOANNE DR

MARGERY DR

STH 31

STH 31

MATCHLINE STA 152+00

MATCHLINE STA 158+00

153+00

154+00

155+00

156+00

157+00

158

9+00

N

TLE

P R/W

PRW

MULTI-USE TRAIL

POST

SIGN

A/C

A

B

C

D

LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

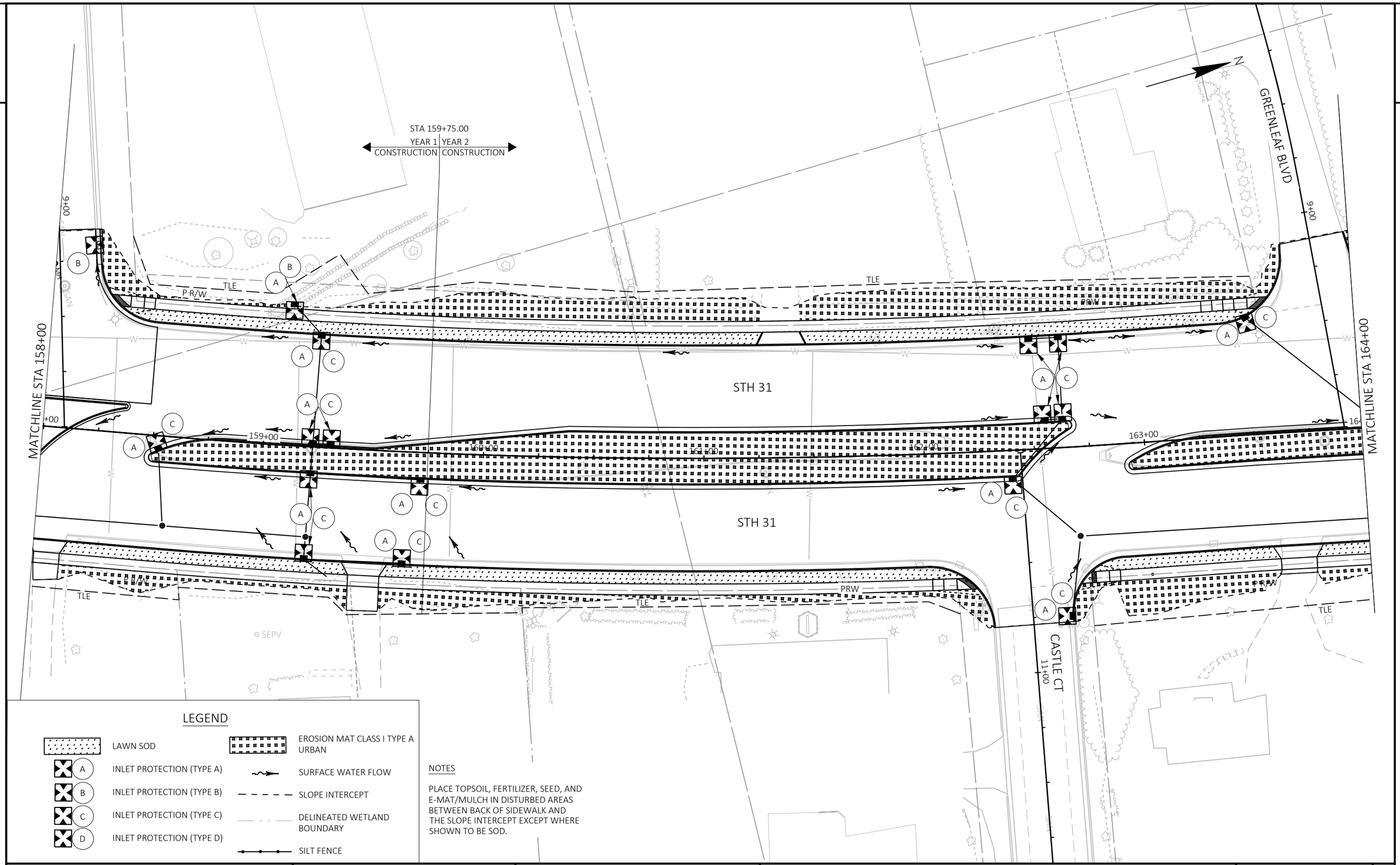
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL- STH 31	SHEET 118	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200107-ec

PLOT DATE : 7/15/2025 9:34 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL- STH 31	SHEET 119	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200108-ec
PLOT DATE : 7/15/2025 9:35 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

SUNSET BLVD

STH 31

STH 31

BYRD AVE

WETLAND

WETLAND

TLE

TLE

TLE

TLE

TLE

EX R/W

EX R/W

EX R/W

EX R/W

164+00

165+00

166+00

167+00

168+00

169+00

170+00

11+00

MATCHLINE STA 164+00

MATCHLINE STA 170+00

N

LEGEND

- LAWN SOD
- A — INLET PROTECTION (TYPE A)
- B — INLET PROTECTION (TYPE B)
- C — INLET PROTECTION (TYPE C)
- D — INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

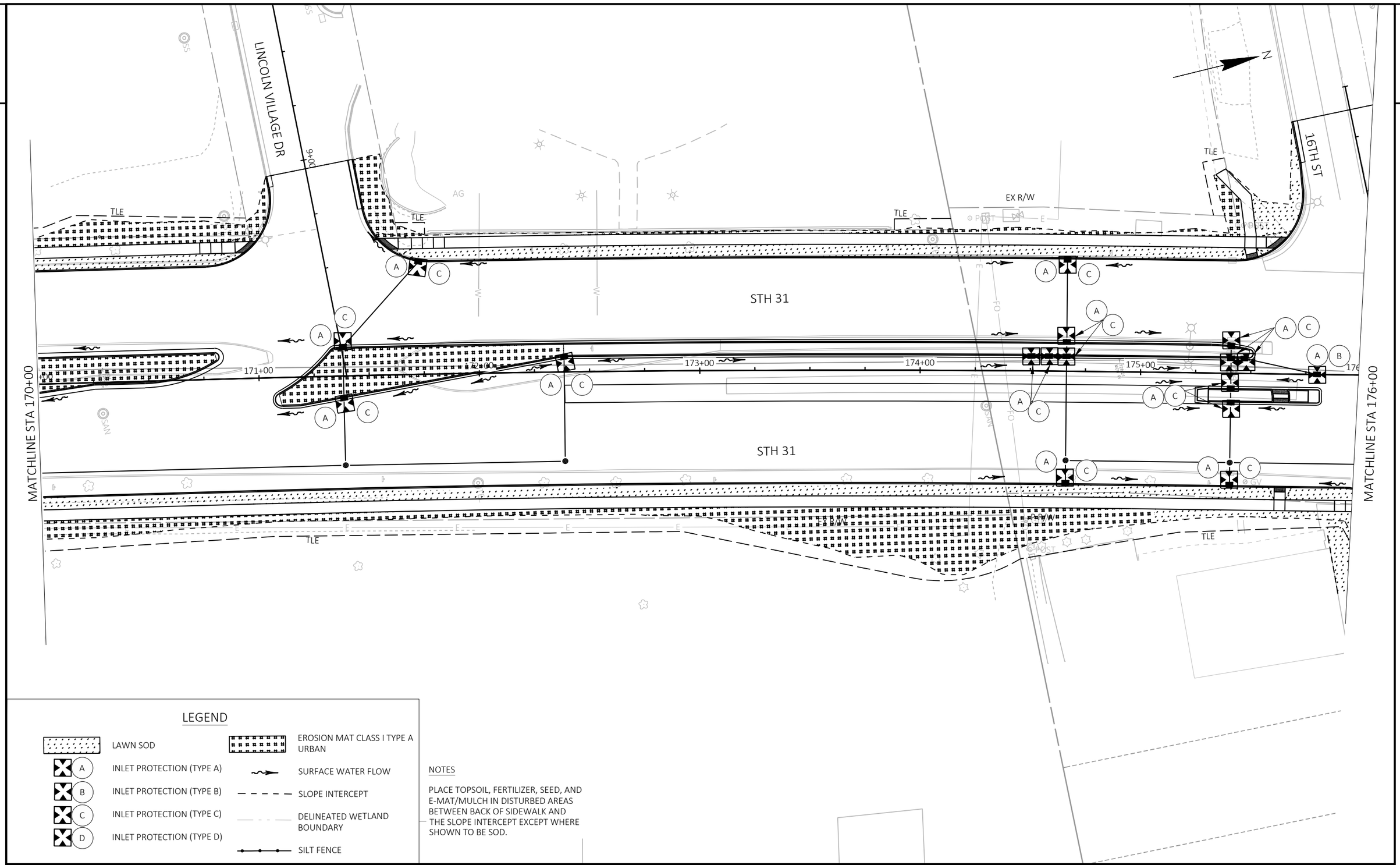
NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 120	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200109-ec
PLOT DATE : 7/15/2025 9:35 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 121	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200110-ec

PLOT DATE : 7/15/2025 9:35 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

16TH ST

HORIZON BLVD SOUTH (DWY)

STORMWATER POND

N

MATCHLINE STA 176+00

MATCHLINE STA 182+00

71+00

177+00

178+00

179+00

11+00

STH 31

STH 31

TLE

P R/W

SIGN

ERW

WV

SAN

OH

LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

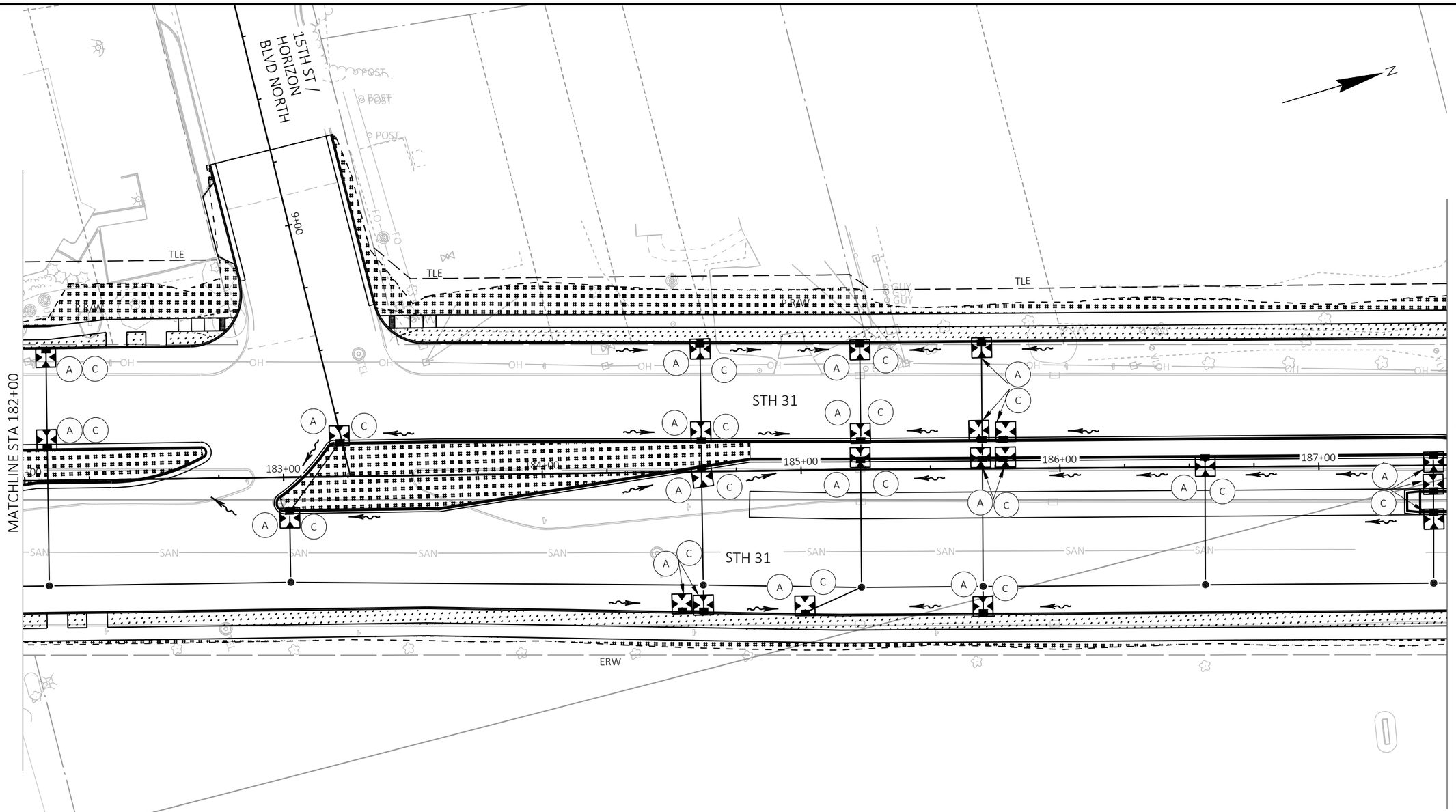
NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL- STH 31	SHEET 122	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200111-ec
PLOT DATE : 7/15/2025 9:36 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

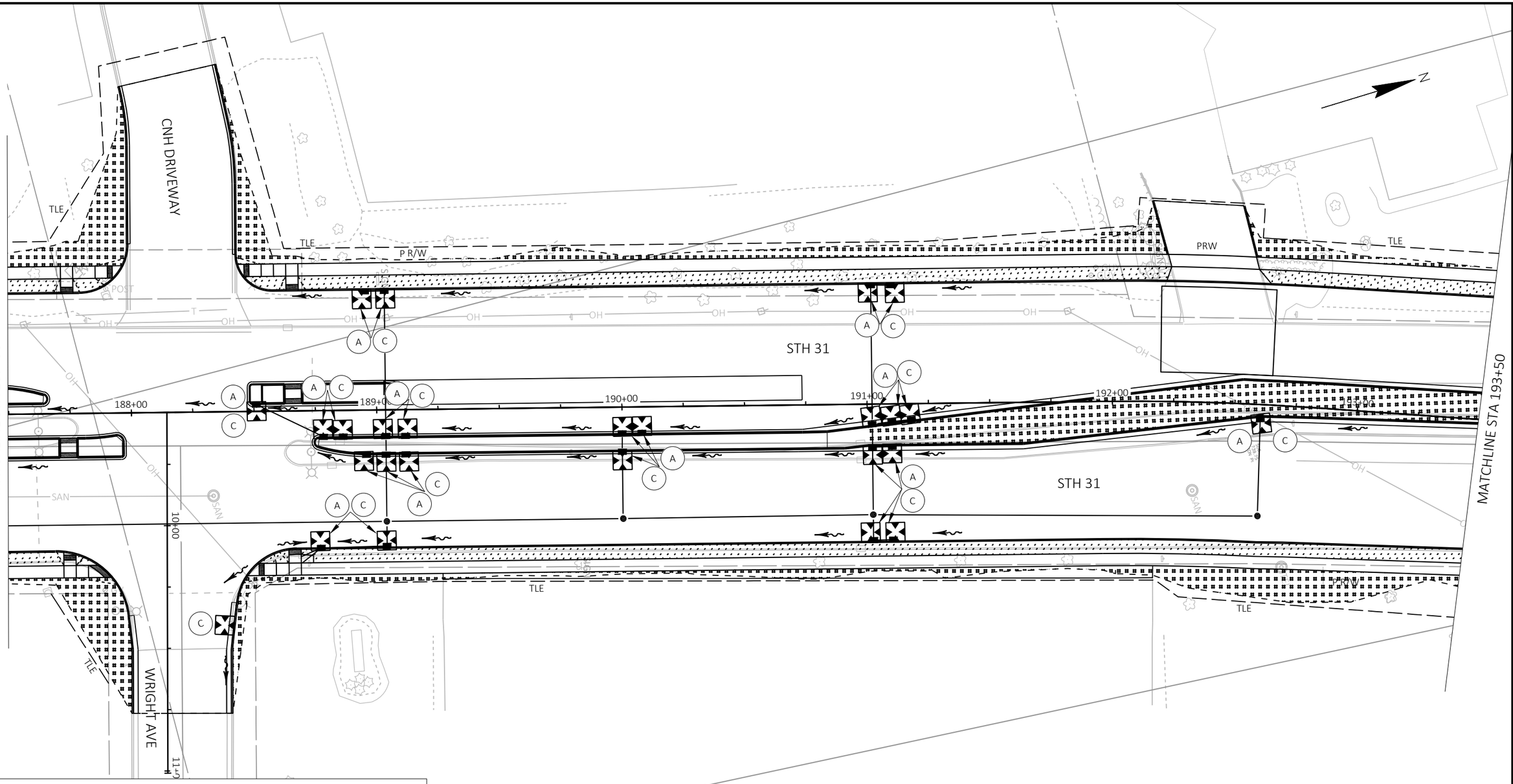
PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL- STH 31	SHEET 123	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200112-ec

PLOT DATE : 7/15/2025 9:36 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 124	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200113-ec
PLOT DATE : 7/15/2025 9:36 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

1300 S GREEN BAY RD (DWY)

WALMART ENTRANCE

MATCHLINE STA 193+50

MATCHLINE STA 199+25

STH 31

STH 31

RACINE CENTER SHOPPING MALL ENTRANCE

TLE

P R/W

EX R/W

SIGN

WV

SAN

OH

194+00

195+00

196+00

197+00

198+00

199+00

A

C

N

LEGEND

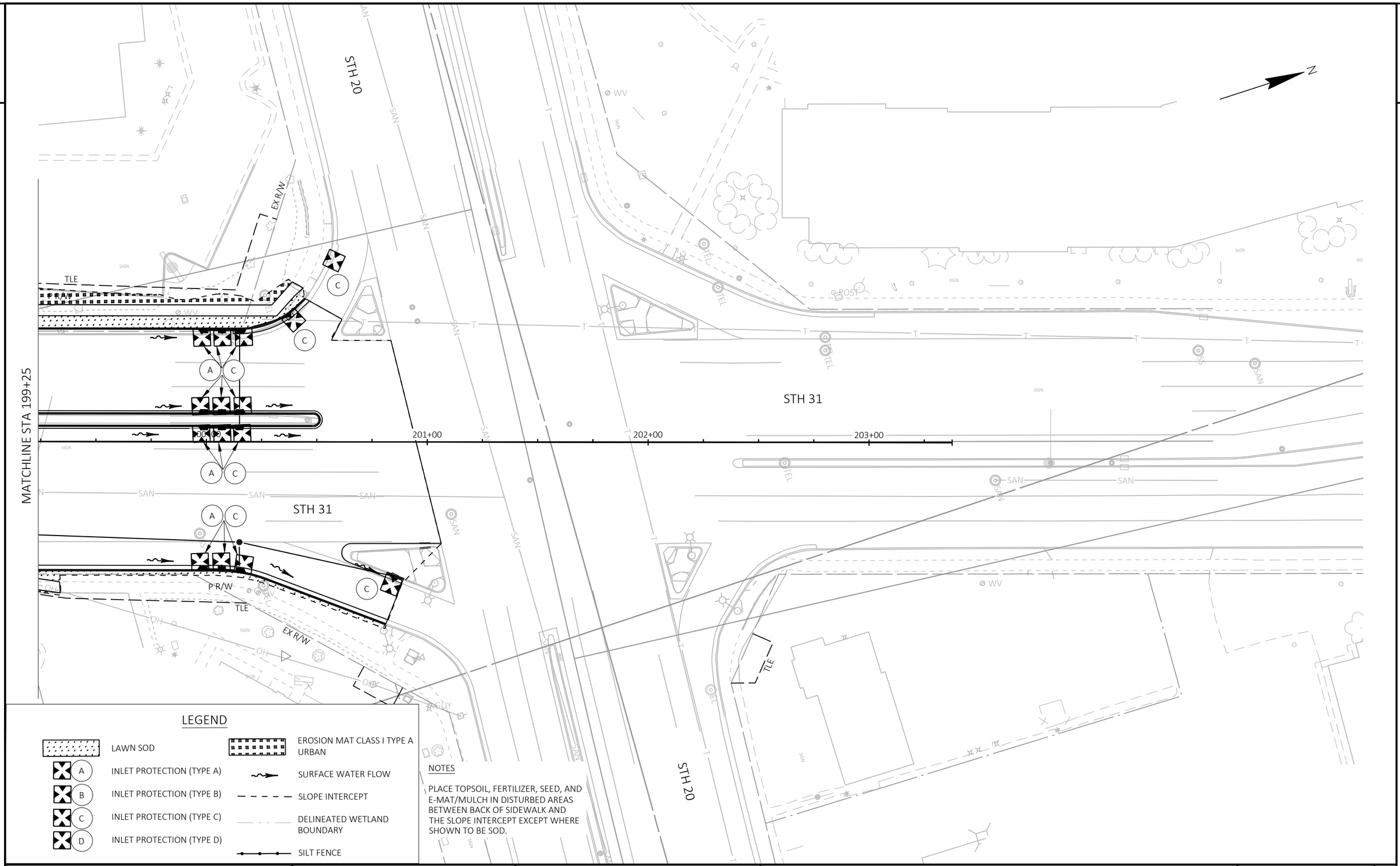
- LAWN SOD
- INLET PROTECTION (TYPE A)
- INLET PROTECTION (TYPE B)
- INLET PROTECTION (TYPE C)
- INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL - STH 31	SHEET 125	E

2



LEGEND

- LAWN SOD
- A — INLET PROTECTION (TYPE A)
- B — INLET PROTECTION (TYPE B)
- C — INLET PROTECTION (TYPE C)
- D — INLET PROTECTION (TYPE D)
- EROSION MAT CLASS I TYPE A URBAN
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- DELINEATED WETLAND BOUNDARY
- SILT FENCE

NOTES

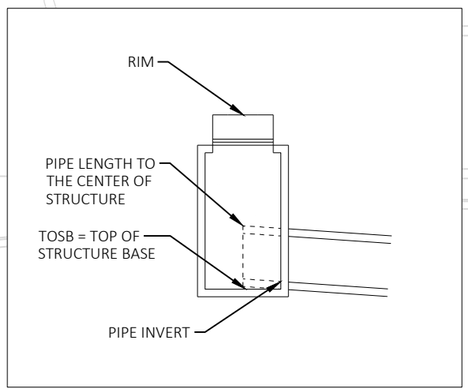
PLACE TOPSOIL, FERTILIZER, SEED, AND E-MAT/MULCH IN DISTURBED AREAS BETWEEN BACK OF SIDEWALK AND THE SLOPE INTERCEPT EXCEPT WHERE SHOWN TO BE SOD.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EROSION CONTROL- STH 31	SHEET 126	E

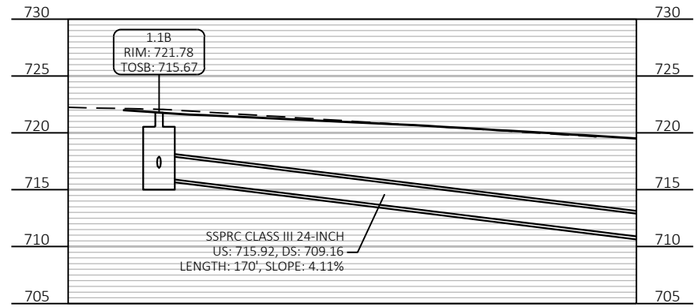
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02200115-ec

PLOT DATE : 7/15/2025 9:37 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



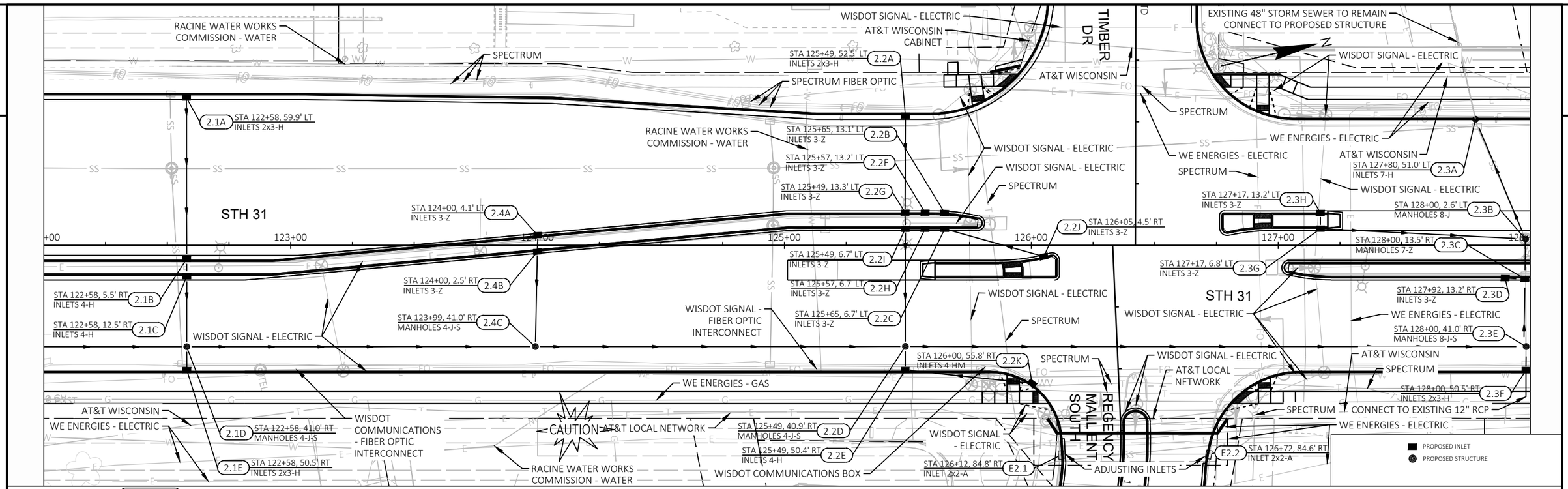
SPECTRUM
RACINE WATER WORKS COMMISSION - WATER
WE ENERGIES - ELECTRIC
STH 11
118+00
119+00
120+00
121+00
WE ENERGIES - ELECTRIC
SPECTRUM
1.1B STA 120+88, 41.1' RT MANHOLES 7-J-S
EXISTING 12" RCP STORM SEWER TO REMAIN CONNECT TO PROPOSED STRUCTURE
WE ENERGIES - GAS
CAUTION
RACINE WATER WORKS COMMISSION - WATER
PROPOSED INLET
PROPOSED STRUCTURE

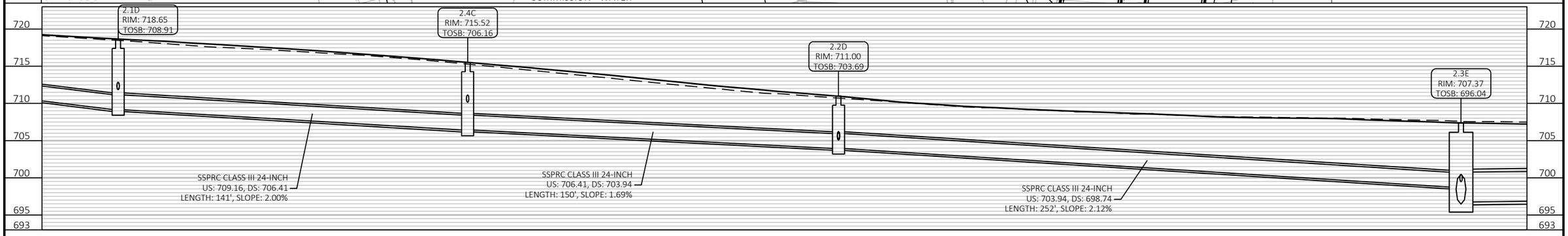


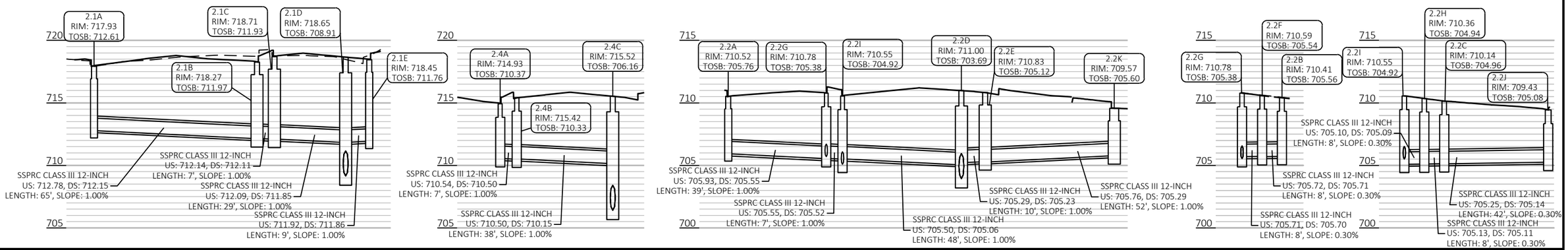
GENERAL NOTES

PRIVATE CONNECTIONS SHOWN IN THE PLANS SHALL BE PERPETUATED BY THE CONTRACTOR

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 127	E



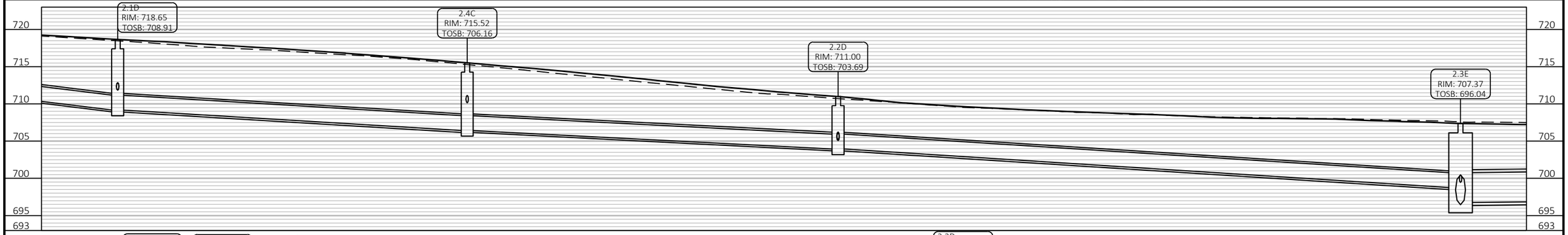


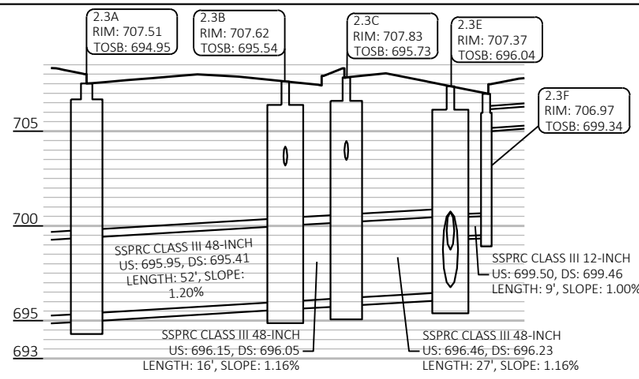


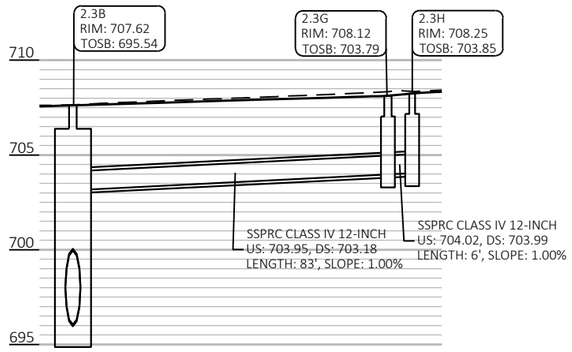
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 128	E

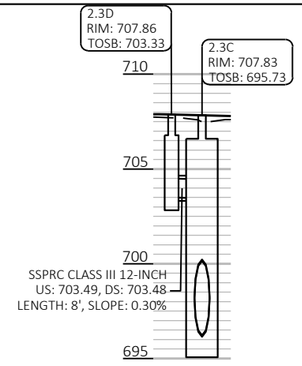
2

RACINE WATER WORKS COMMISSION - WATER
SPECTRUM
2.1A STA 122+58, 59.9' LT INLETS 2x3-H
STH 31
123+00
124+00
125+00
126+00
STA 124+00, 4.1' LT INLETS 3-Z 2.4A
STA 124+00, 2.5' RT INLETS 3-Z 2.4B
STA 123+99, 41.0' RT MANHOLES 4-J-S 2.4C
STA 122+58, 5.5' RT INLETS 4-H 2.1B
STA 122+58, 12.5' RT INLETS 4-H 2.1C
WISDOT SIGNAL - ELECTRIC
AT&T WISCONSIN
WE ENERGIES - ELECTRIC
2.1D STA 122+58, 41.0' RT MANHOLES 4-J-S
2.1E STA 122+58, 50.5' RT INLETS 2x3-H
WISDOT COMMUNICATIONS - FIBER OPTIC INTERCONNECT
WE ENERGIES - GAS
CAUTION AT&T LOCAL NETWORK
RACINE WATER WORKS COMMISSION - WATER
WISDOT SIGNAL - ELECTRIC
AT&T WISCONSIN CABINET
SPECTRUM FIBER OPTIC
STA 125+49, 52.5' LT INLETS 2x3-H 2.2A
RACINE WATER WORKS COMMISSION - WATER
STA 125+65, 13.1' LT INLETS 3-Z 2.2B
STA 125+57, 13.2' LT INLETS 3-Z 2.2F
STA 125+49, 13.3' LT INLETS 3-Z 2.2G
STA 125+49, 6.7' LT INLETS 3-Z 2.2I
STA 125+57, 6.7' LT INLETS 3-Z 2.2H
STA 125+65, 6.7' LT INLETS 3-Z 2.2C
WISDOT SIGNAL - FIBER OPTIC INTERCONNECT
STA 125+49, 40.9' RT MANHOLES 4-J-S 2.2D
STA 125+49, 50.4' RT INLETS 4-H 2.2E
WISDOT COMMUNICATIONS BOX
WISDOT SIGNAL - ELECTRIC
SPECTRUM
STA 126+00, 55.8' RT INLETS 4-HM 2.2K
STA 126+12, 84.8' RT INLET 2x2-A E2.1
TIMBER DR
WISDOT SIGNAL - ELECTRIC
AT&T WISCONSIN
SPECTRUM
STA 126+05, 4.5' RT INLETS 3-Z 2.2J
WISDOT SIGNAL - ELECTRIC
SPECTRUM
REGENCY MALL ENT SOUTH
WISDOT SIGNAL - ELECTRIC
AT&T LOCAL NETWORK
ADJUSTING INLETS
E2.2 STA 126+72, 84.6' RT INLET 2x2-A
EXISTING 48" STORM SEWER TO REMAIN CONNECT TO PROPOSED STRUCTURE
WISDOT SIGNAL - ELECTRIC
SPECTRUM
WE ENERGIES - ELECTRIC
WE ENERGIES - ELECTRIC
SPECTRUM
AT&T WISCONSIN
STA 127+80, 51.0' LT INLETS 7-H 2.3A
WISDOT SIGNAL - ELECTRIC
STA 127+17, 13.2' LT INLETS 3-Z 2.3H
STA 128+00, 2.6' LT MANHOLES 8-J 2.3B
STA 128+00, 13.5' RT MANHOLES 7-Z 2.3C
STA 127+17, 6.8' LT INLETS 3-Z 2.3G
STH 31
STA 127+92, 13.2' RT INLETS 3-Z 2.3D
WISDOT SIGNAL - ELECTRIC
WE ENERGIES - ELECTRIC
STA 128+00, 41.0' RT MANHOLES 8-J-S 2.3E
AT&T WISCONSIN
SPECTRUM
STA 128+00, 50.5' RT INLETS 2x3-H 2.3F
SPECTRUM
CONNECT TO EXISTING 12" RCP
WE ENERGIES - ELECTRIC
PROPOSED INLET
PROPOSED STRUCTURE

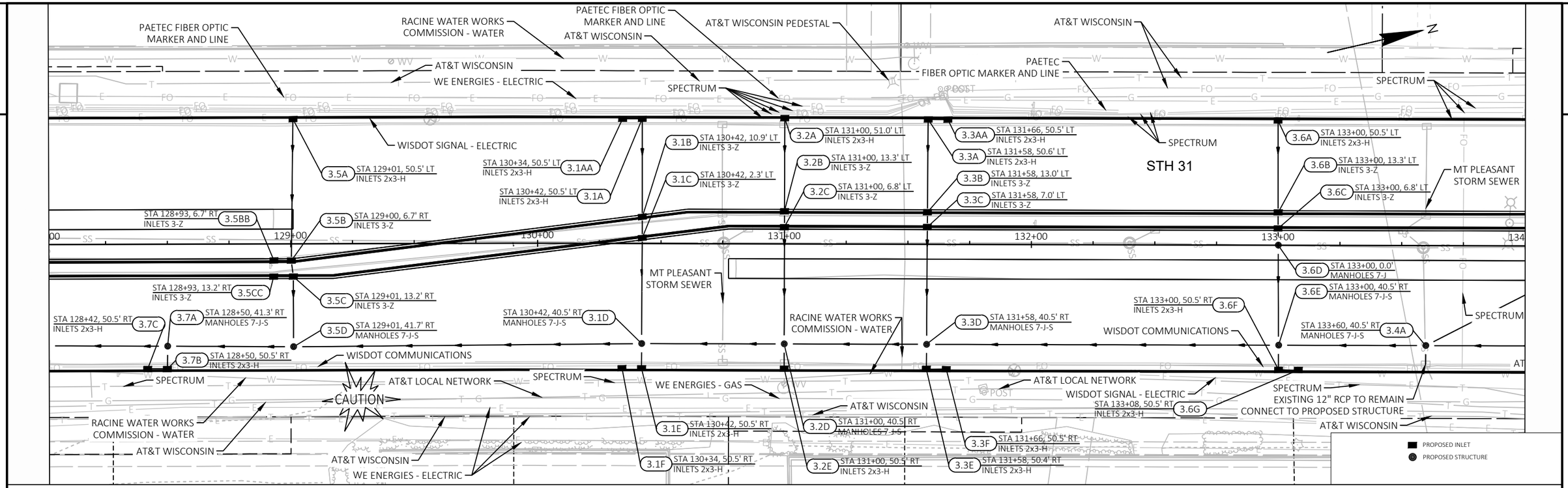


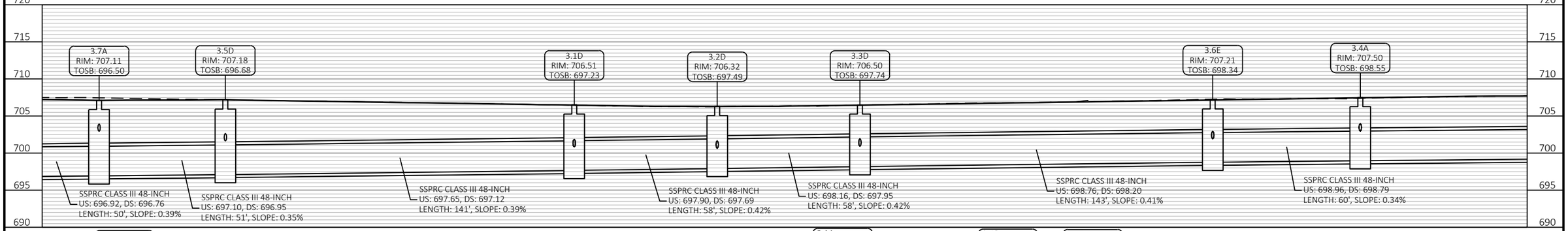


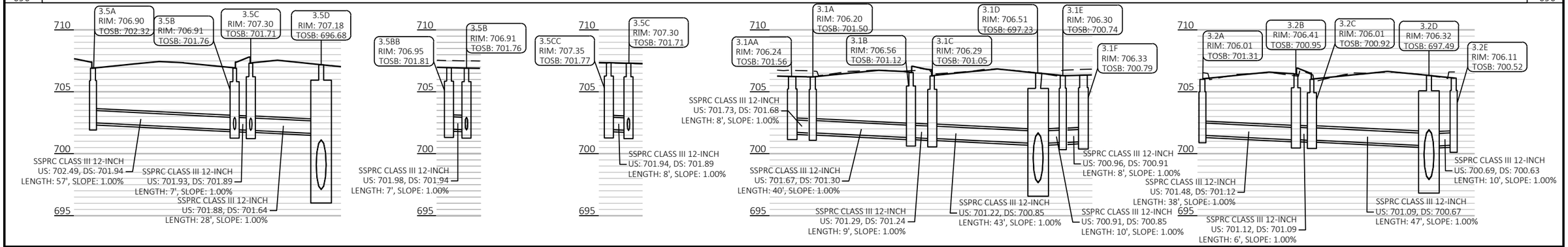




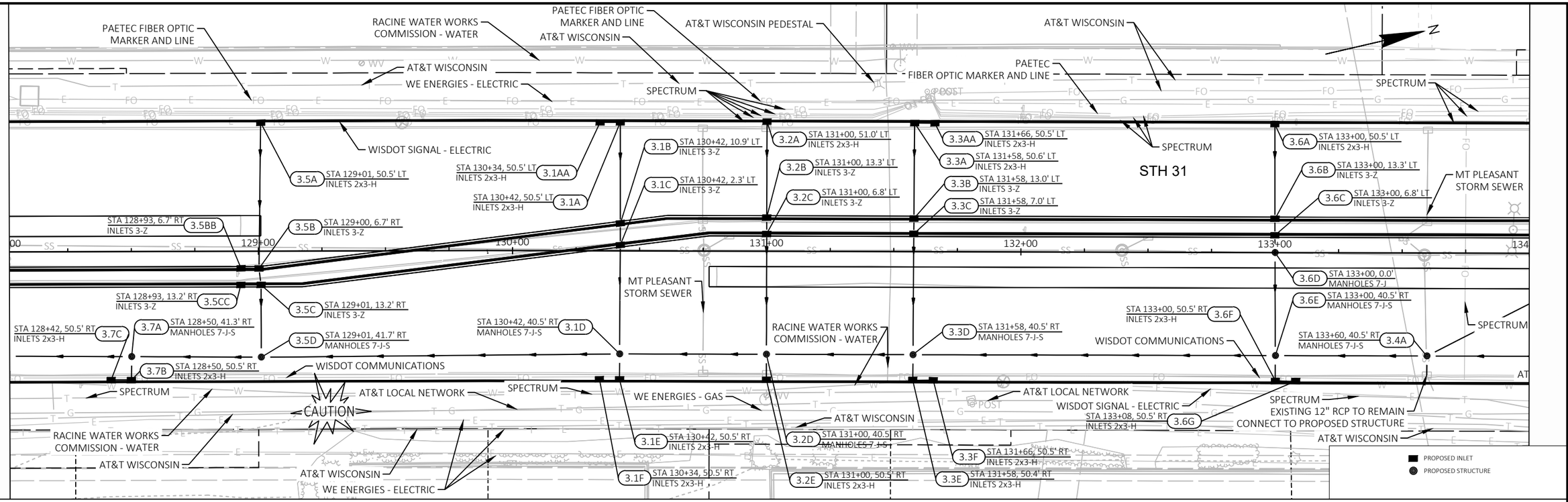
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 129	E

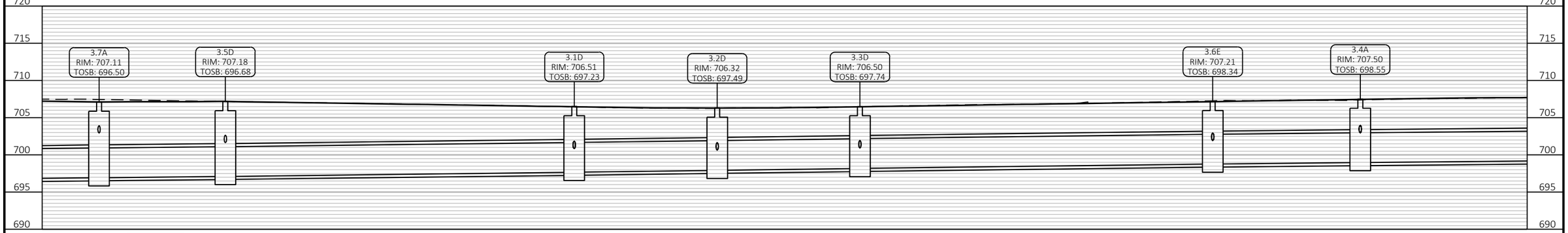


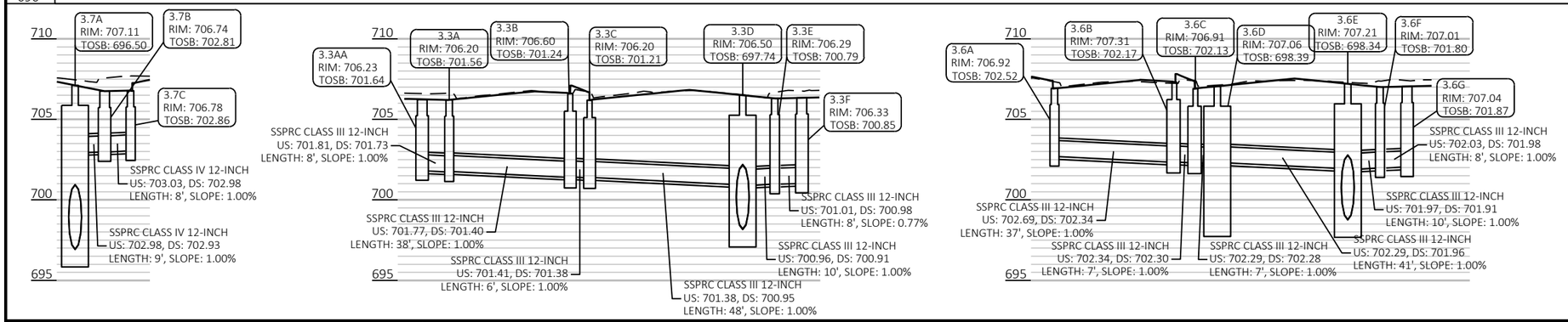




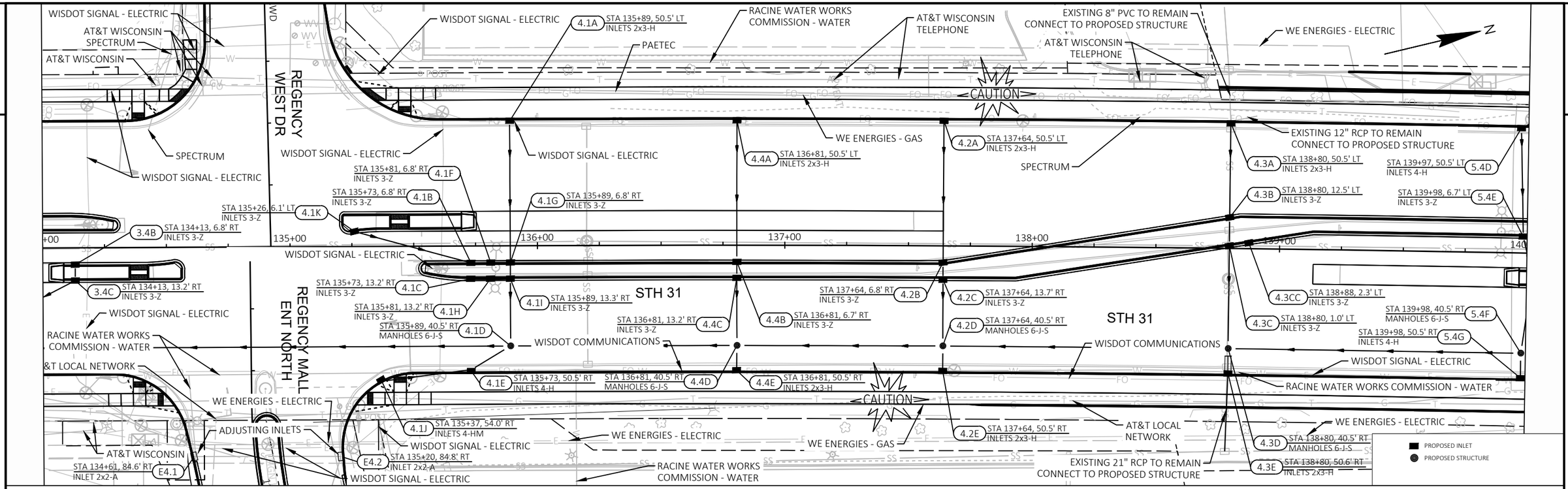
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 130	E

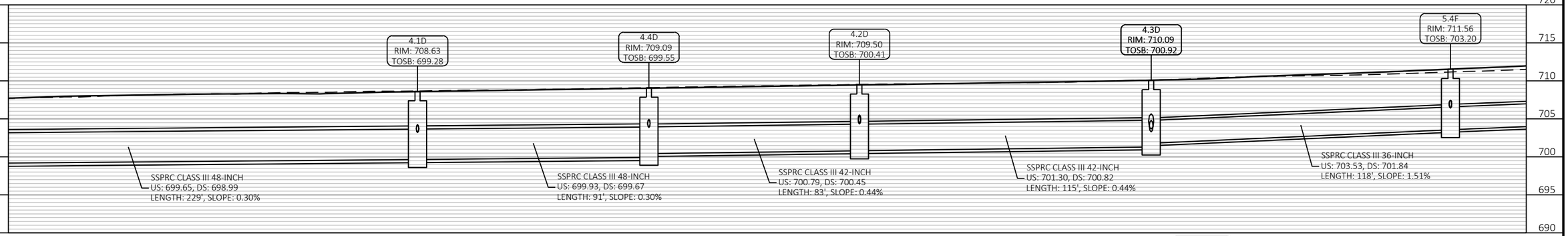


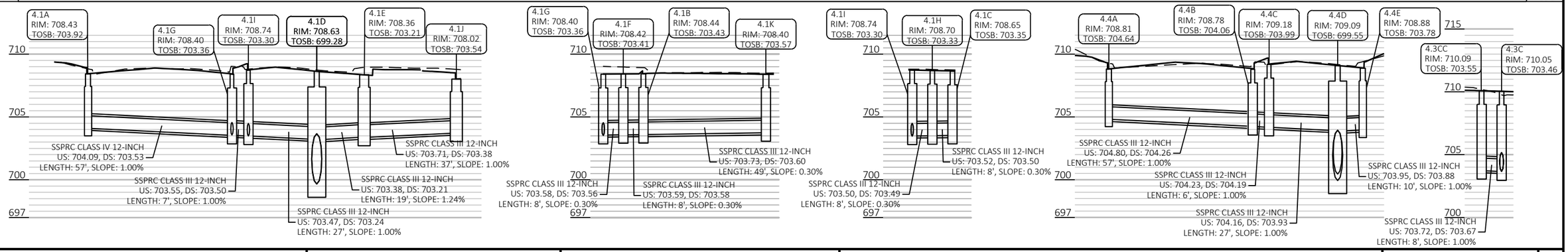




PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 131	E

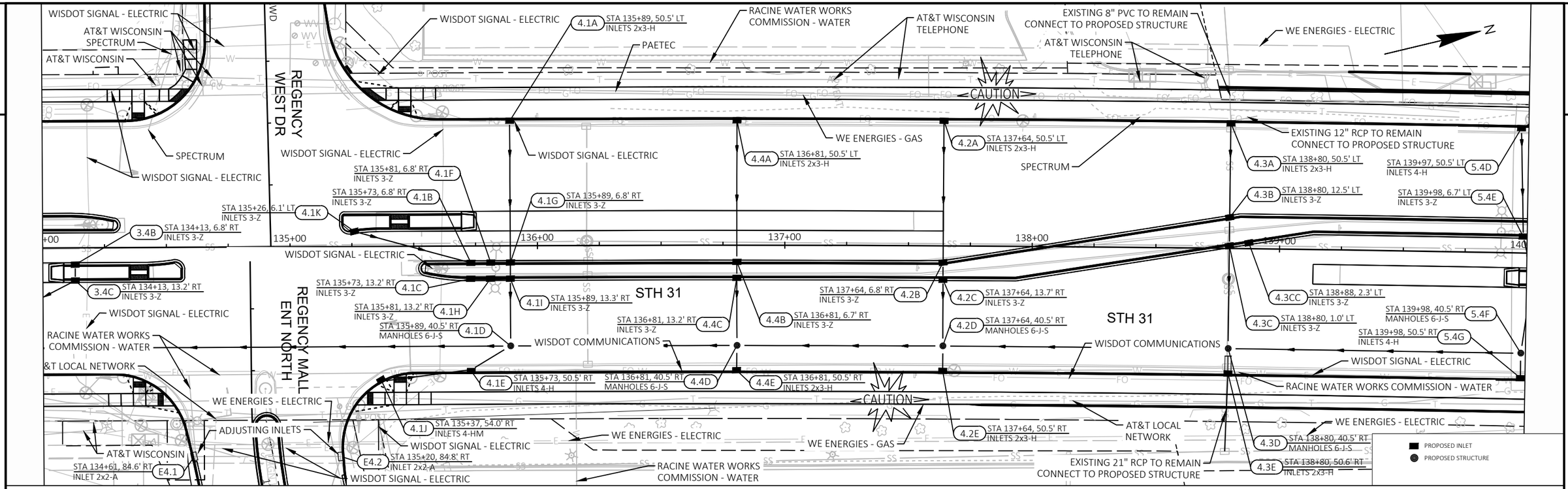






PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 132	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504
PLOT DATE : 7/11/2025 4:53 PM
PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



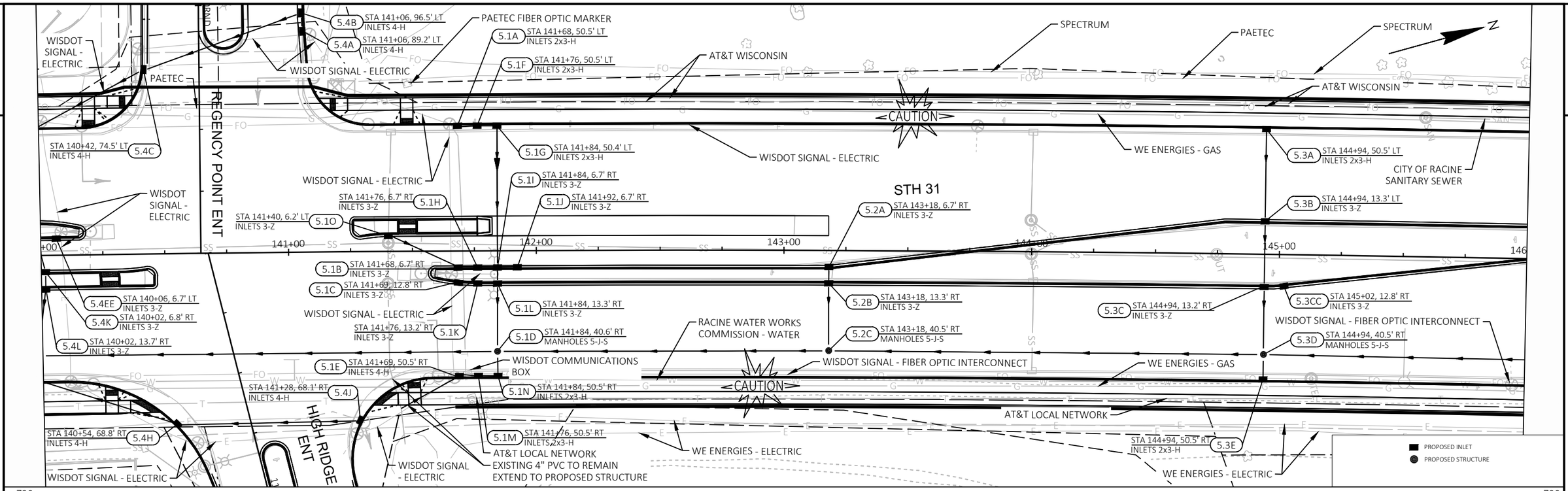
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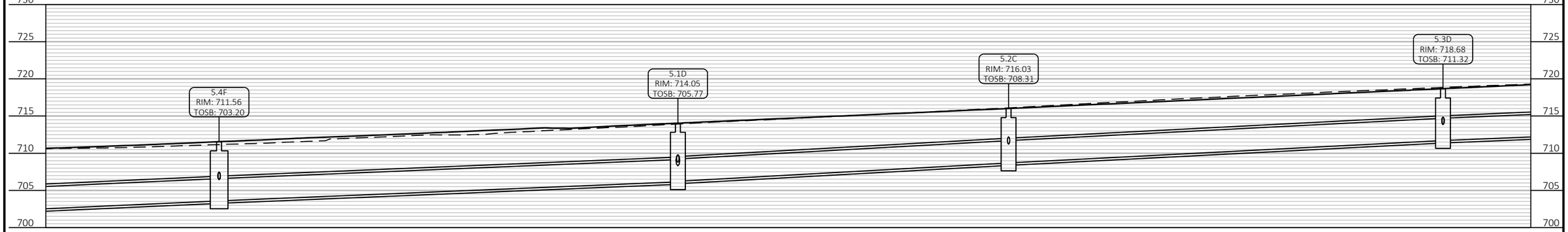
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504 (2)
PLOT DATE : 7/11/2025 4:55 PM PLOT BY : RYAN SCHUPPIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

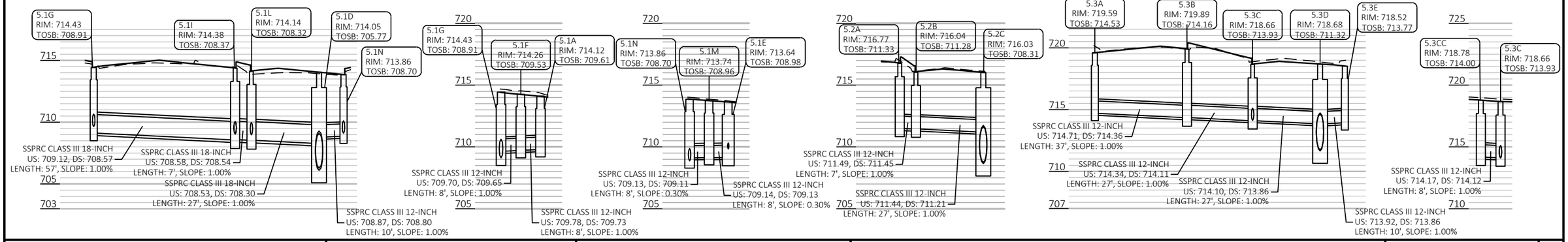
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 134	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505
PLOT DATE : 7/11/2025 3:25 PM
PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

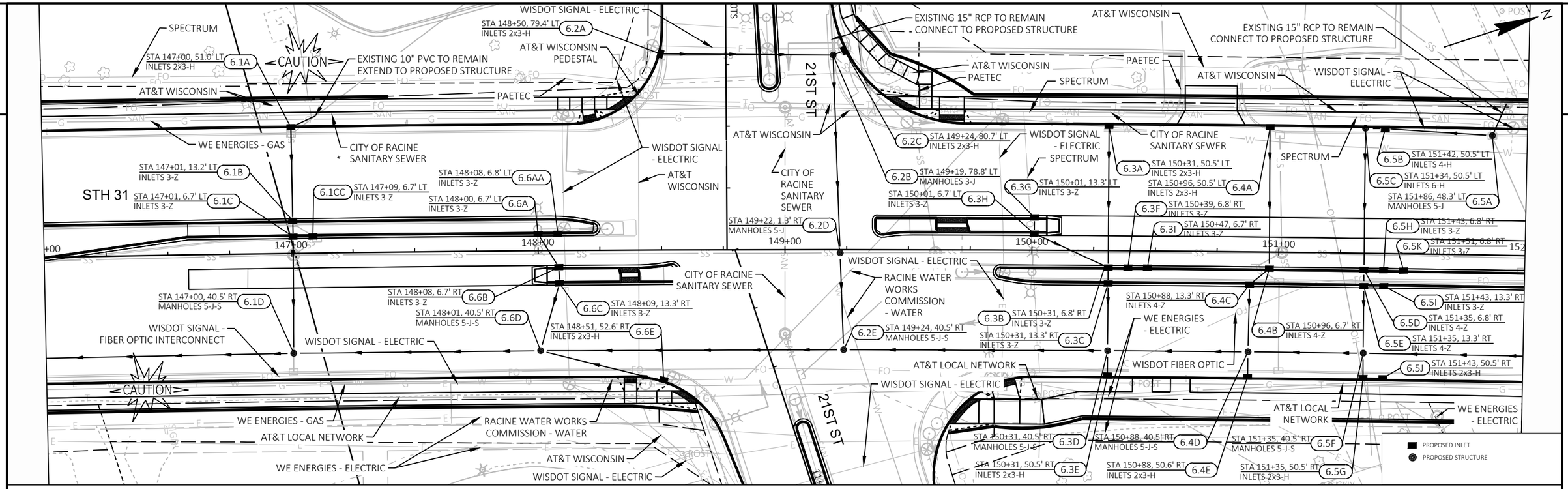


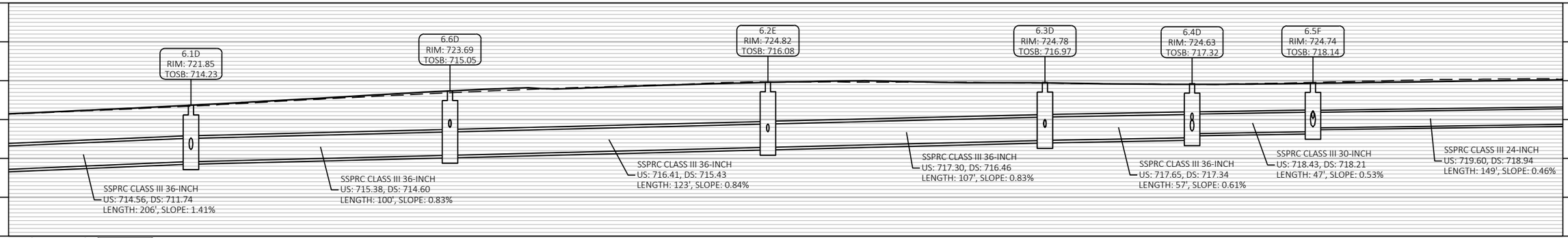


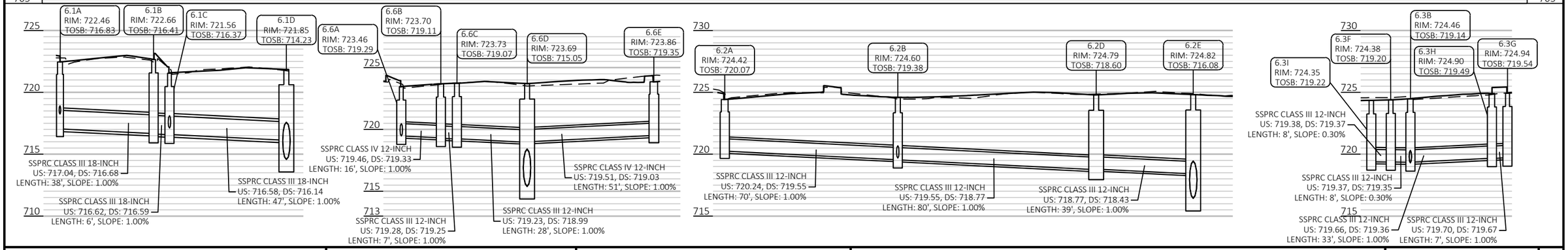


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 135	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505 (2)
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PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

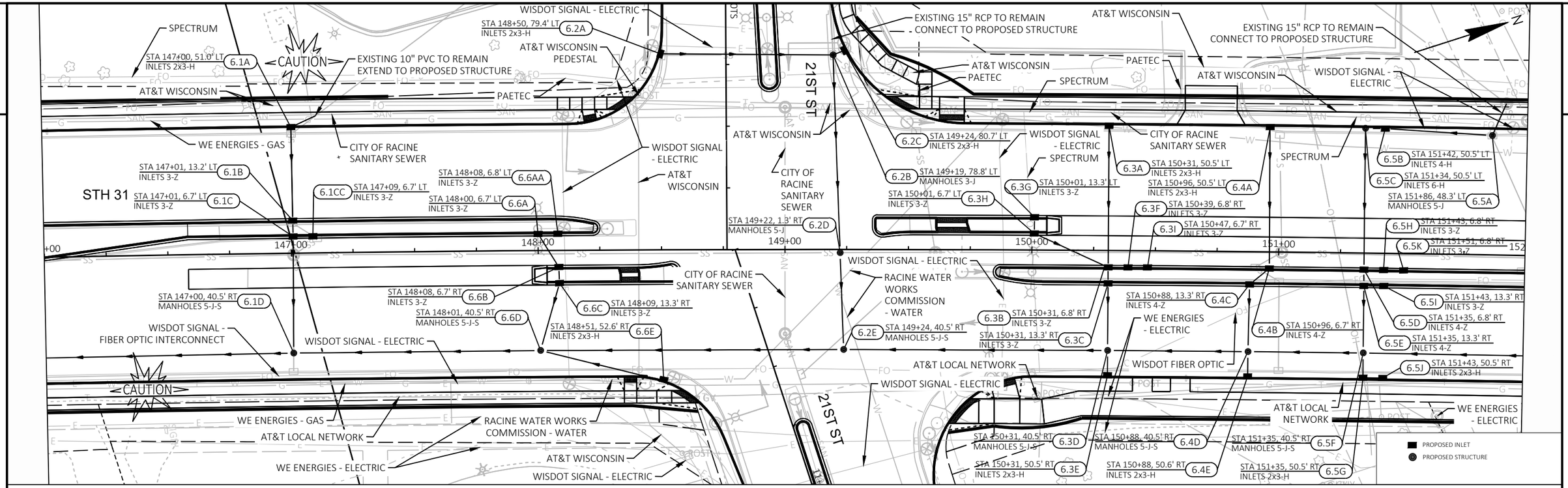




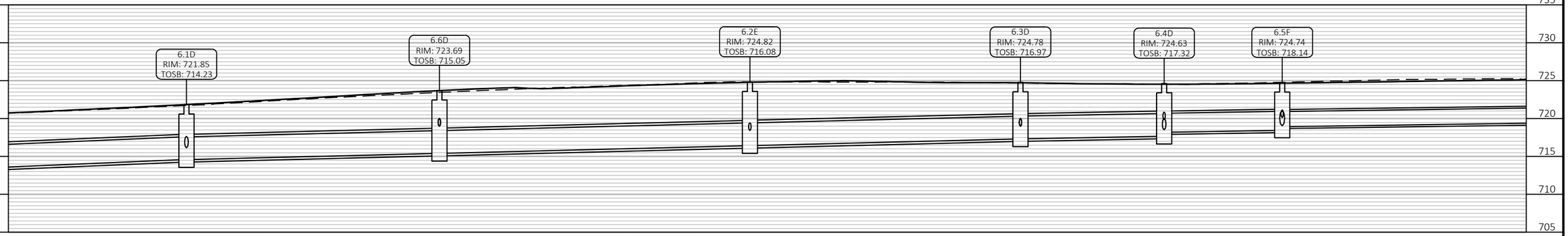


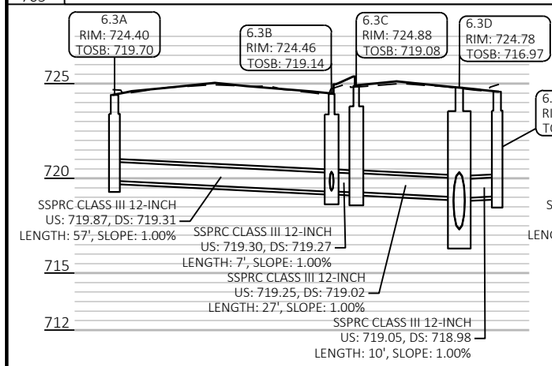
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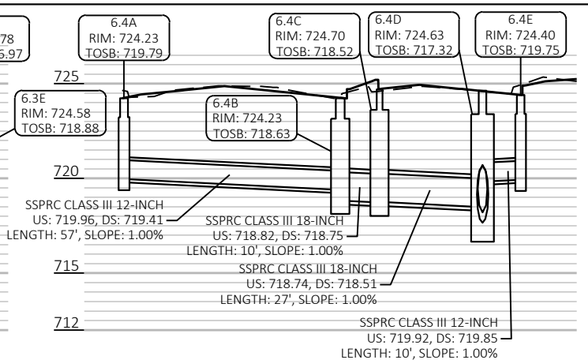
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LAYOUT NAME - 022506
PLOT DATE : 7/11/2025 3:28 PM
PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

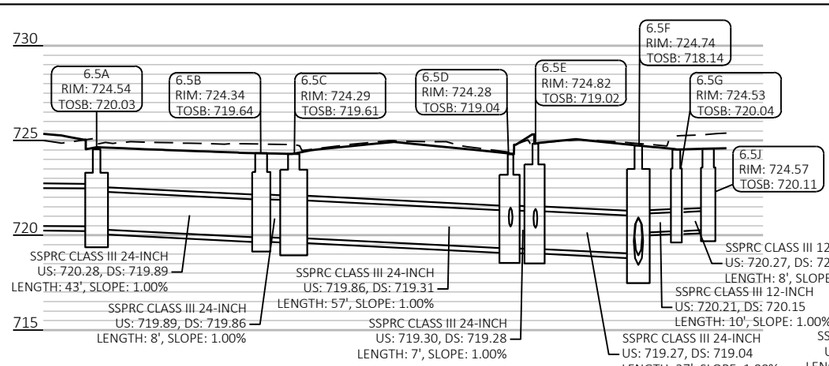


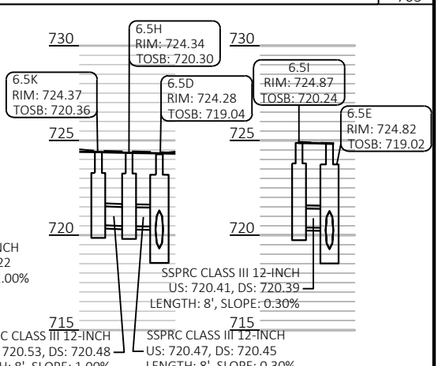
735





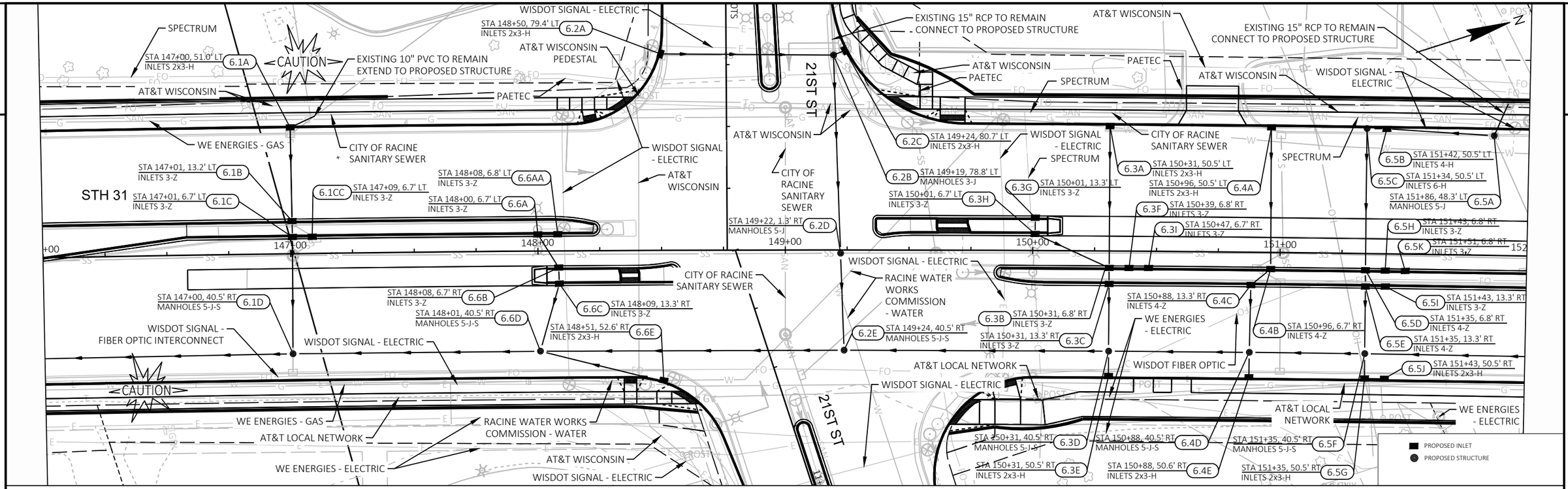


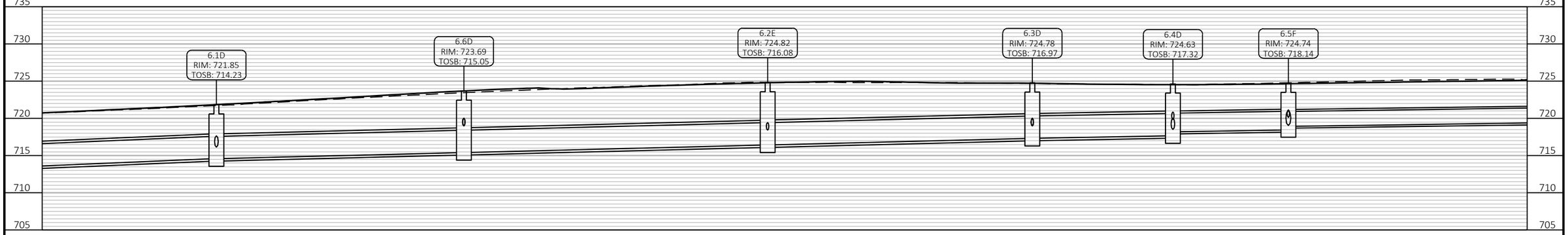


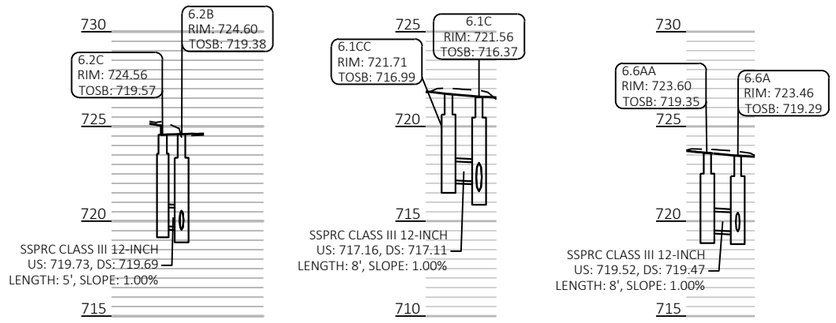


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 137	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022506 (2)
PLOT DATE : 7/11/2025 3:29 PM
PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



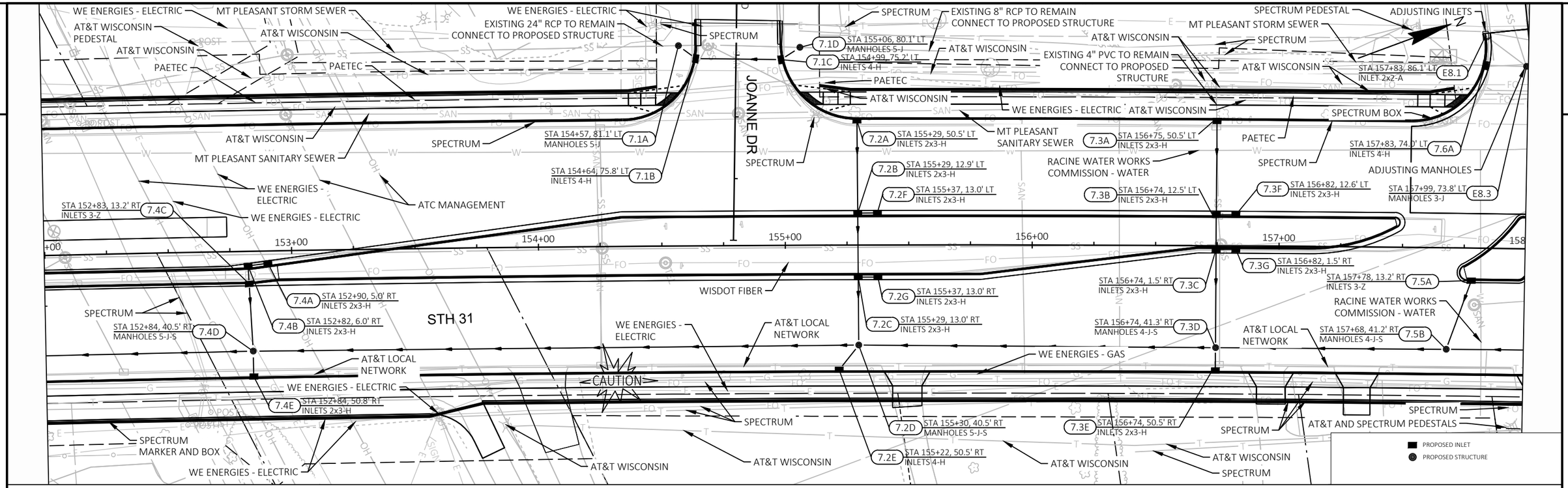


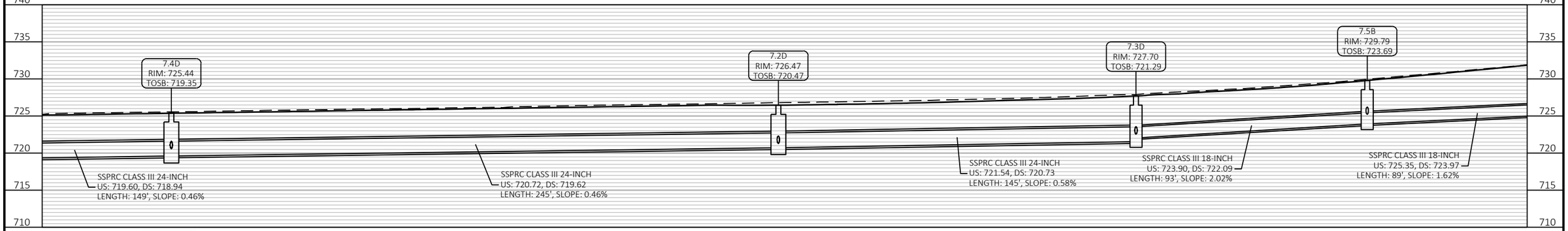


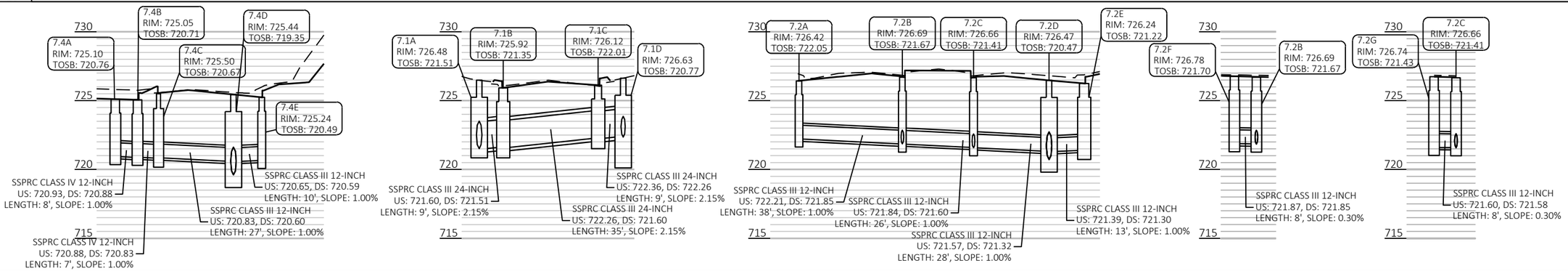
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 138	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022506 (3)

PLOT DATE : 7/11/2025 3:30 PM PLOT BY : RYAN SCHUPPIE PLOT NAME : PLOT SCALE : 1 IN:40 FT



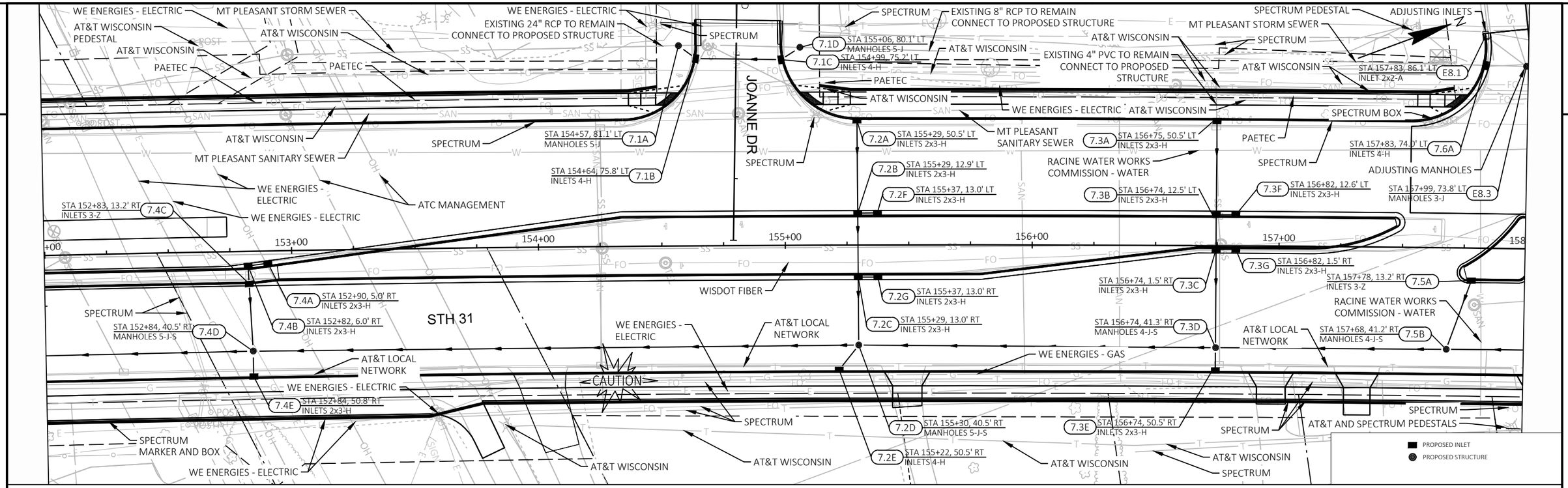


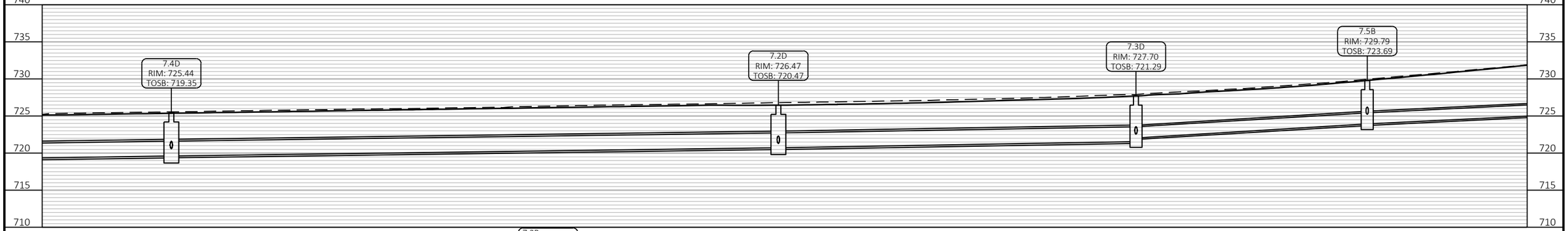


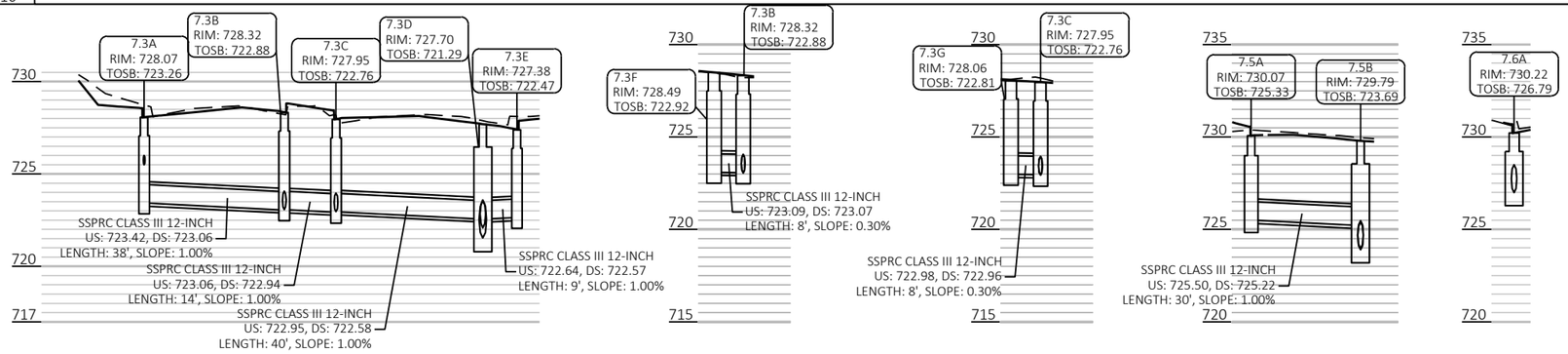
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 139	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022507

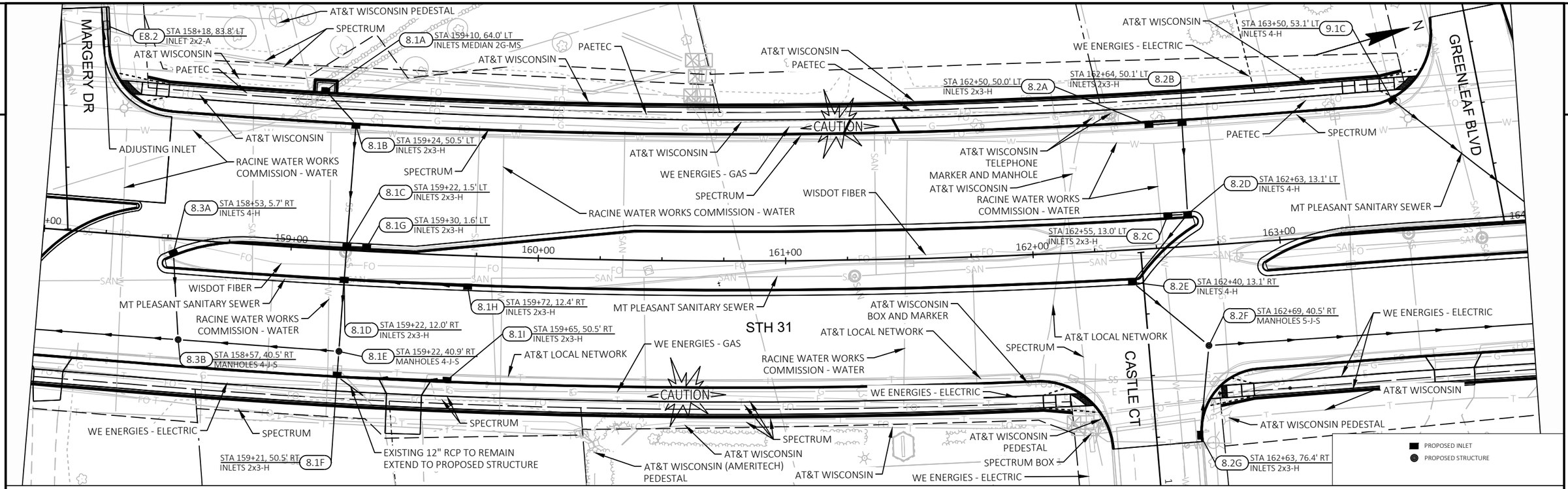
PLOT DATE : 7/11/2025 3:32 PM PLOT BY : RYAN SCHUPPIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

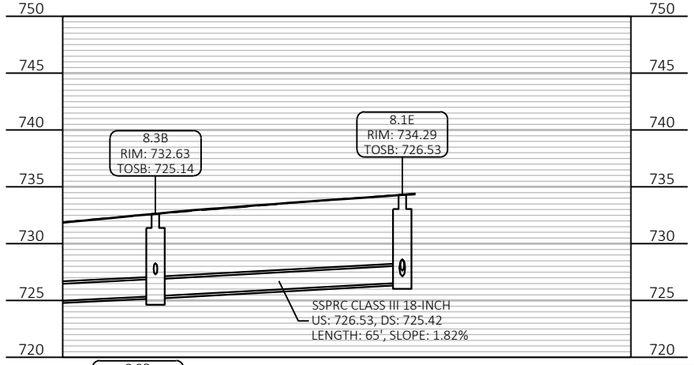




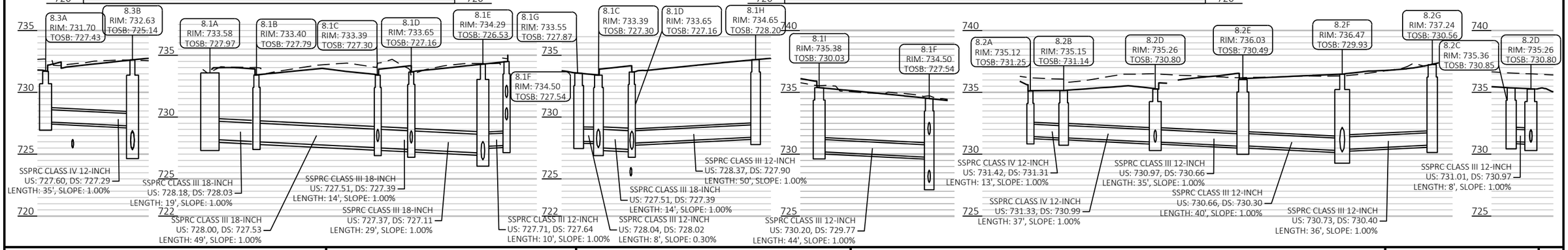


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 140	E





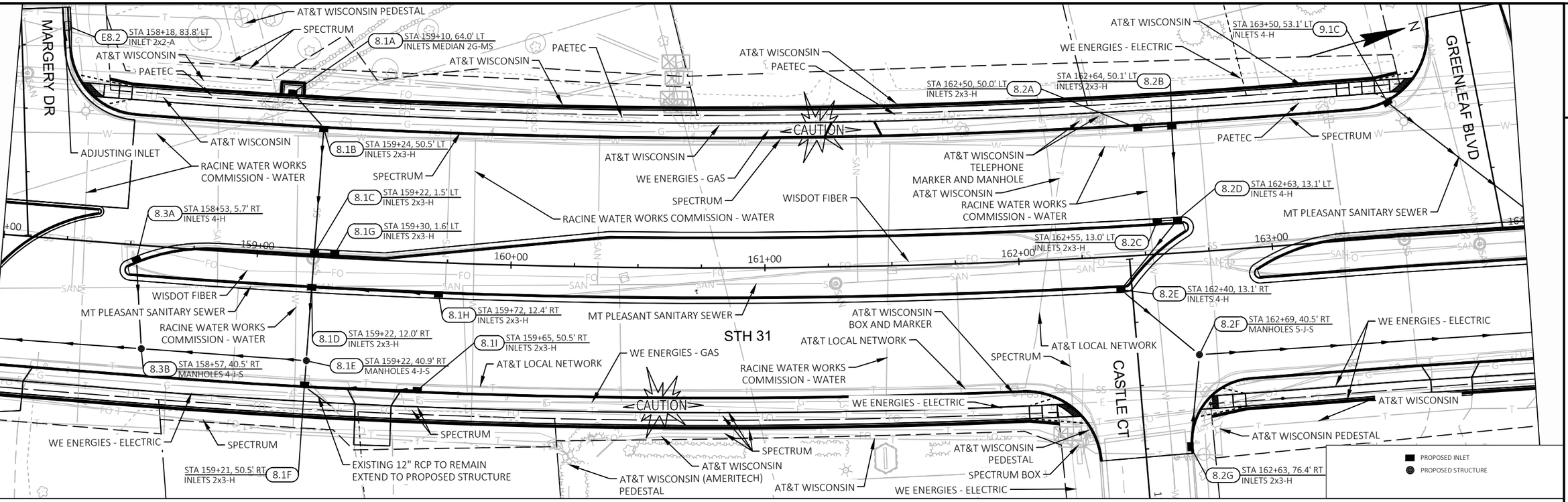


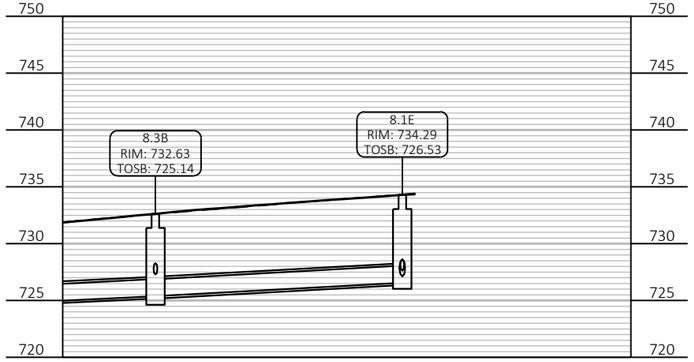


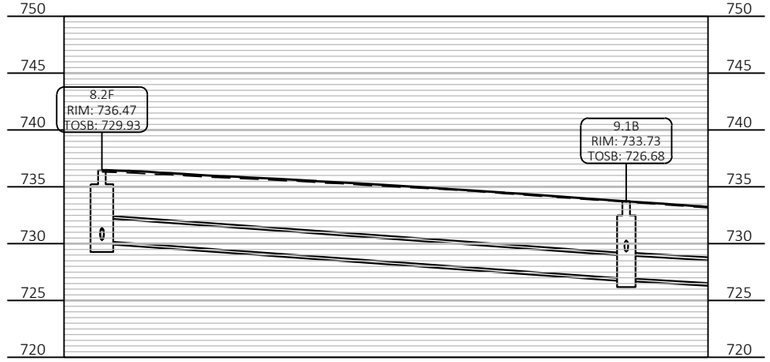
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 141	E

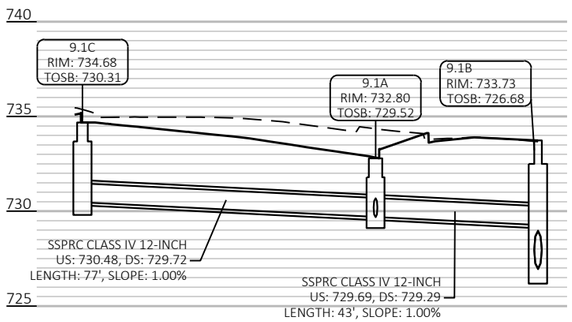
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022508
PLOT DATE : 7/11/2025 3:34 PM
PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

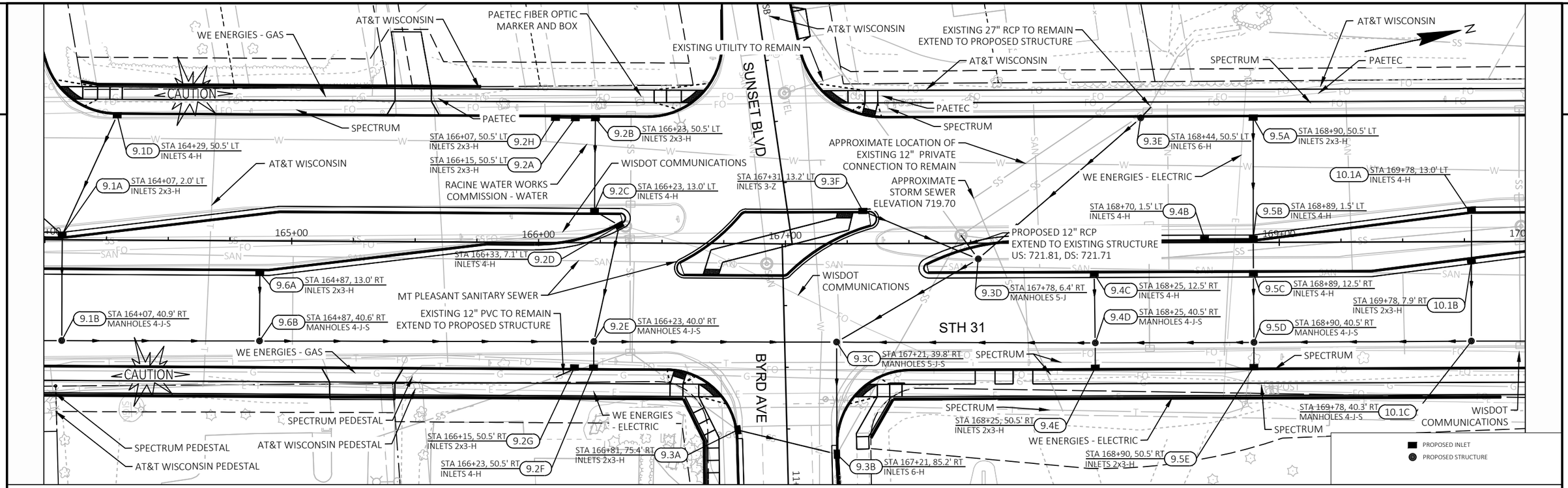


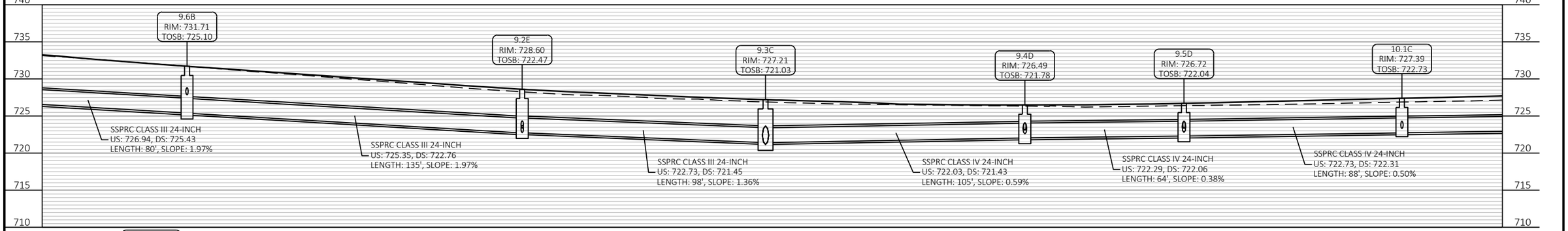


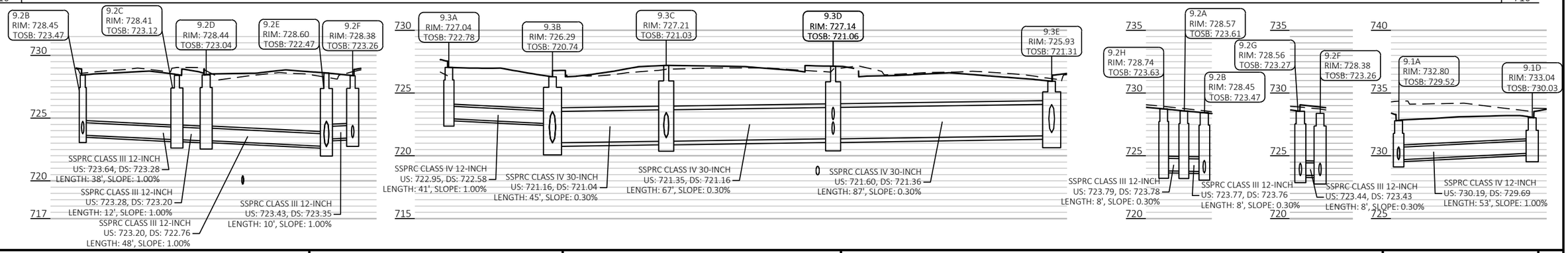




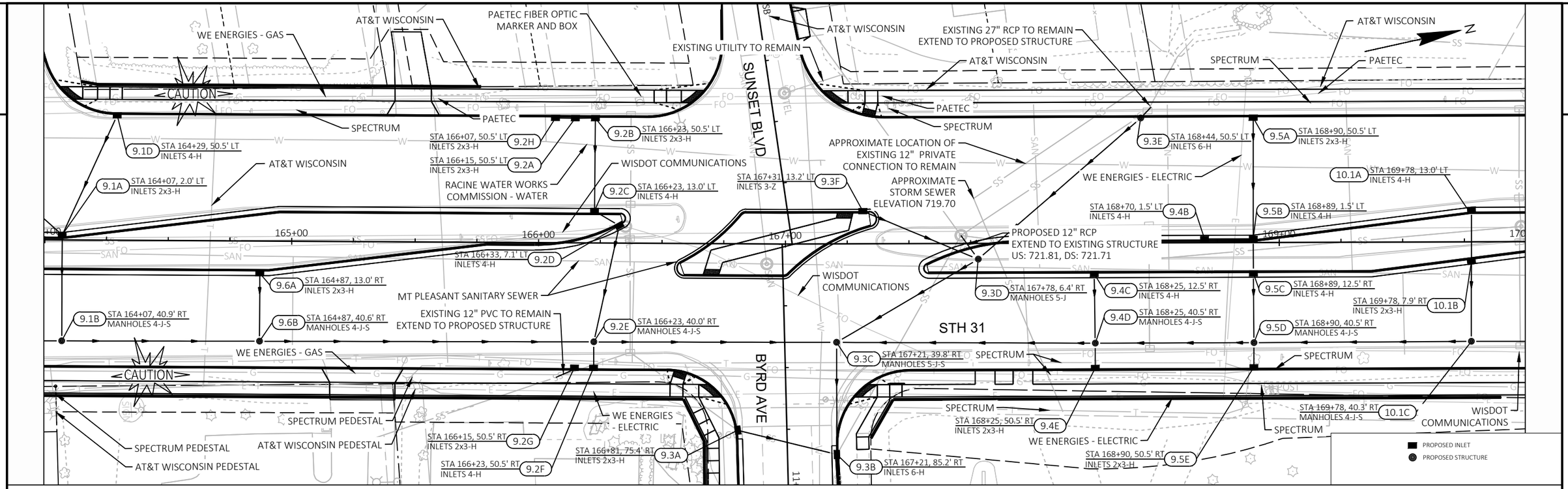
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 142	E

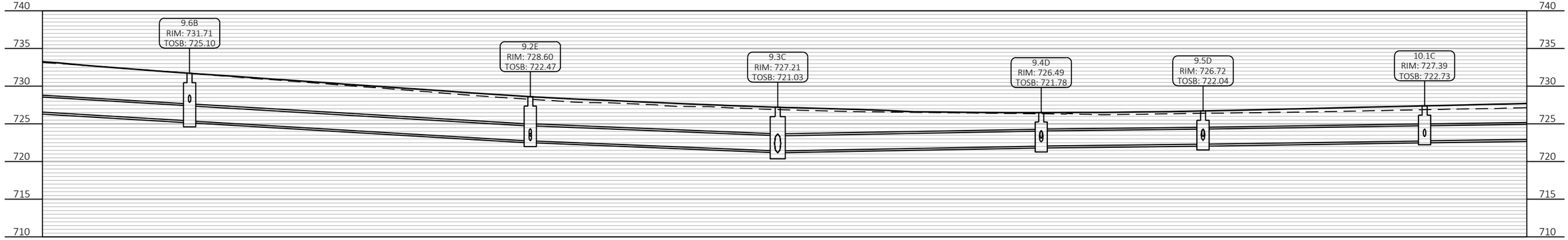


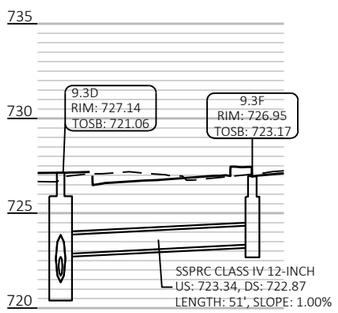


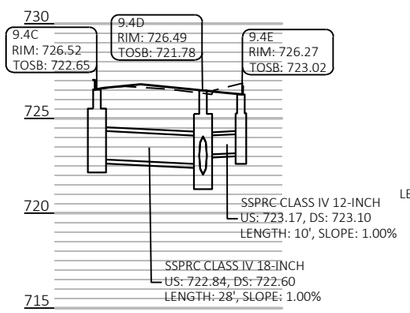


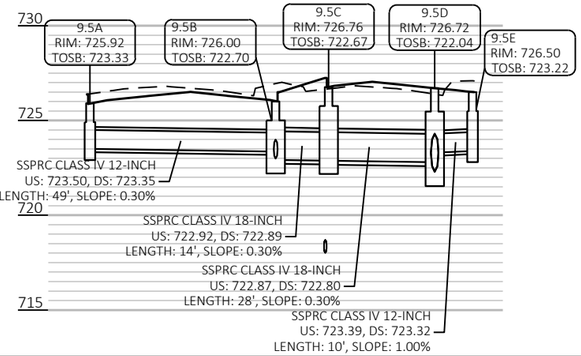
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 143	E

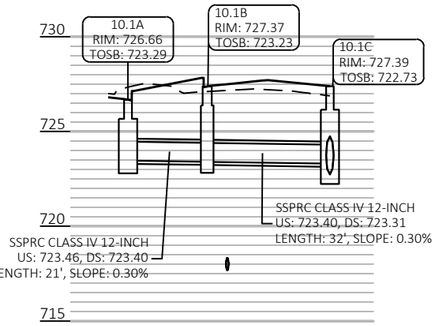


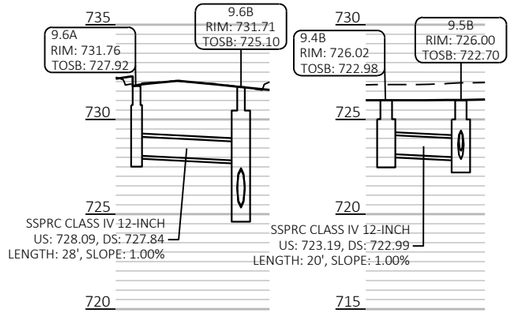




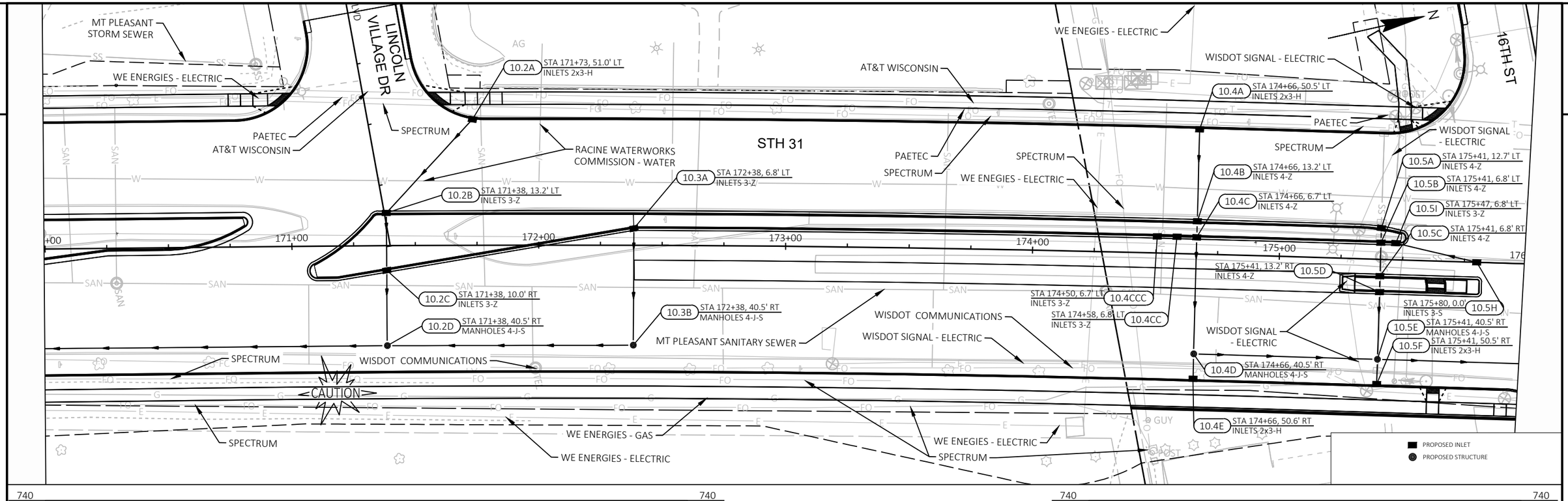








PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 144	E



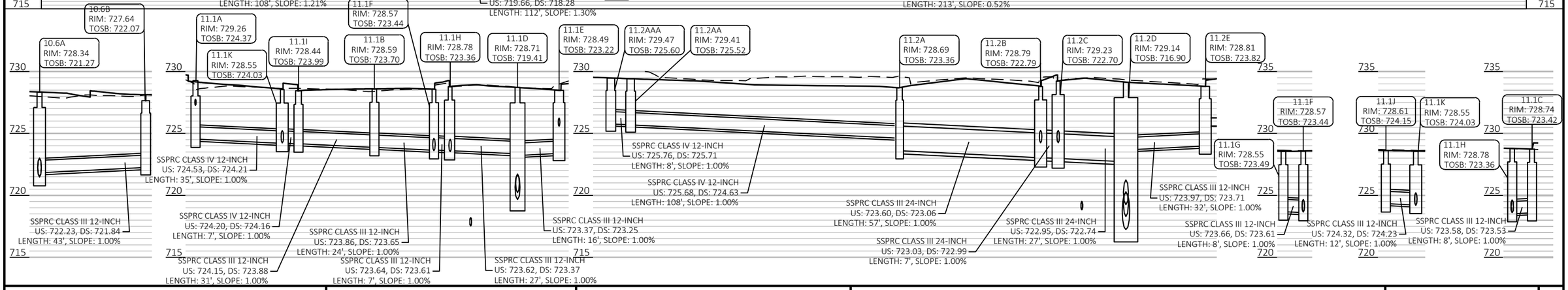
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 145	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022510
PLOT DATE : 7/11/2025 3:40 PM
PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

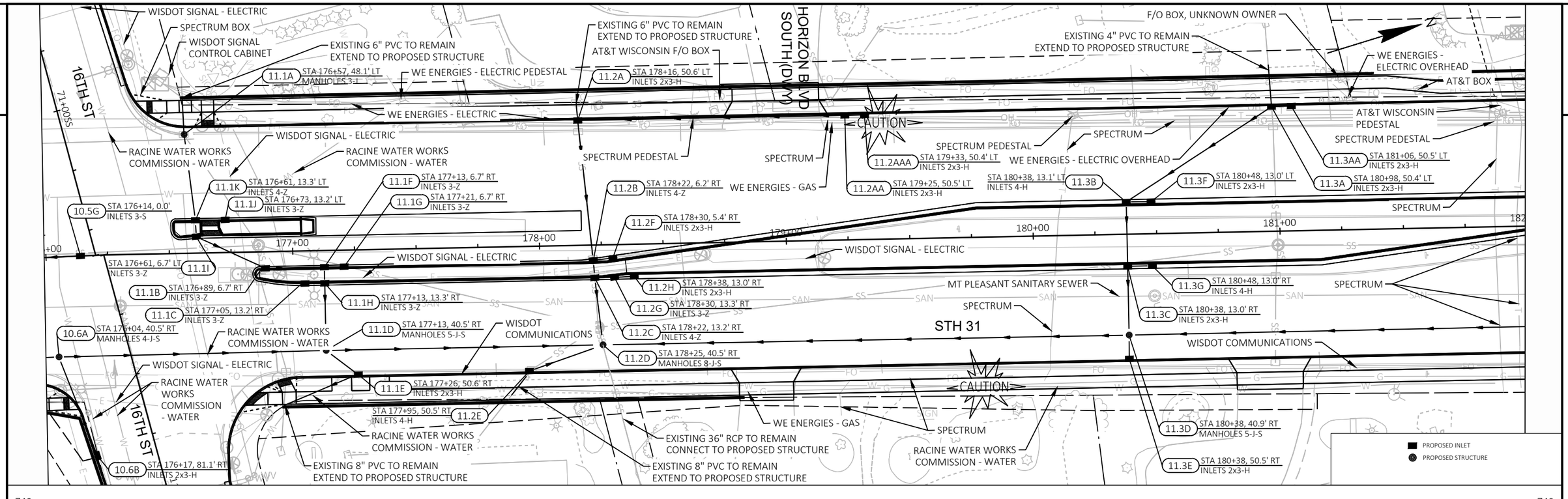
WISDOT SIGNAL - ELECTRIC
SPECTRUM BOX
WISDOT SIGNAL CONTROL CABINET
EXISTING 6" PVC TO REMAIN EXTEND TO PROPOSED STRUCTURE
11.1A STA 176+57, 48.1' LT MANHOLES 3-I
WE ENERGIES - ELECTRIC PEDESTAL
EXISTING 6" PVC TO REMAIN EXTEND TO PROPOSED STRUCTURE
AT&T WISCONSIN F/O BOX
11.2A STA 178+16, 50.6' LT INLETS 2X3-H
HORIZON BLVD SOUTH (DW)
F/O BOX, UNKNOWN OWNER
EXISTING 4" PVC TO REMAIN EXTEND TO PROPOSED STRUCTURE
WE ENERGIES - ELECTRIC OVERHEAD
AT&T BOX
16TH ST
71+00SS
WE ENERGIES - ELECTRIC
CAUTION
AT&T WISCONSIN PEDESTAL
SPECTRUM PEDESTAL
WISDOT SIGNAL - ELECTRIC
RACINE WATER WORKS COMMISSION - WATER
RACINE WATER WORKS COMMISSION - WATER
SPECTRUM PEDESTAL
SPECTRUM
SPECTRUM PEDESTAL
WE ENERGIES - ELECTRIC OVERHEAD
11.2AAA STA 179+33, 50.4' LT INLETS 2x3-H
11.3AA STA 181+06, 50.5' LT INLETS 2x3-H
11.1K STA 176+61, 13.3' LT INLETS 4-Z
11.1J STA 176+73, 13.2' LT INLETS 3-Z
11.1F STA 177+13, 6.7' RT INLETS 3-Z
11.1G STA 177+21, 6.7' RT INLETS 3-Z
11.2B STA 178+22, 6.2' RT INLETS 4-Z
WE ENERGIES - GAS
11.2AA STA 179+25, 50.5' LT INLETS 2x3-H
STA 180+38, 13.1' LT INLETS 4-H
11.3B
11.3F STA 180+48, 13.0' LT INLETS 2x3-H
11.3A STA 180+98, 50.4' LT INLETS 2x3-H
10.5G STA 176+14, 0.0' INLETS 3-S
11.2F STA 178+30, 5.4' RT INLETS 2x3-H
SPECTRUM
177+00
178+00
179+00
180+00
181+00
182
+00
WISDOT SIGNAL - ELECTRIC
STA 176+61, 6.7' LT INLETS 3-Z
11.1I
11.2H STA 178+38, 13.0' RT INLETS 2x3-H
MT PLEASANT SANITARY SEWER
11.3G STA 180+48, 13.0' RT INLETS 4-H
SPECTRUM
11.1B STA 176+89, 6.7' RT INLETS 3-Z
11.1H STA 177+13, 13.3' RT INLETS 3-Z
11.2G STA 178+30, 13.3' RT INLETS 3-Z
SPECTRUM
11.1C STA 177+05, 13.2' RT INLETS 3-Z
11.3C STA 180+38, 13.0' RT INLETS 2x3-H
10.6A STA 175+04, 40.5' RT MANHOLES 4-J-S
RACINE WATER WORKS COMMISSION - WATER
11.1D STA 177+13, 40.5' RT MANHOLES 5-J-S
WISDOT COMMUNICATIONS
11.2C STA 178+22, 13.2' RT INLETS 4-Z
STH 31
WISDOT COMMUNICATIONS
11.2D STA 178+25, 40.5' RT MANHOLES 8-J-S
WISDOT SIGNAL - ELECTRIC
RACINE WATER WORKS COMMISSION - WATER
16TH ST
11.1E STA 177+26, 50.6' RT INLETS 2x3-H
CAUTION
STA 177+95, 50.5' RT INLETS 4-H
11.2E
WE ENERGIES - GAS
SPECTRUM
11.3D STA 180+38, 40.9' RT MANHOLES 5-J-S
RACINE WATER WORKS COMMISSION - WATER
EXISTING 36" RCP TO REMAIN CONNECT TO PROPOSED STRUCTURE
RACINE WATER WORKS COMMISSION - WATER
10.6B STA 176+17, 81.1' RT INLETS 2x3-H
EXISTING 8" PVC TO REMAIN EXTEND TO PROPOSED STRUCTURE
EXISTING 8" PVC TO REMAIN EXTEND TO PROPOSED STRUCTURE
11.3E STA 180+38, 50.5' RT INLETS 2x3-H
PROPOSED INLET
PROPOSED STRUCTURE

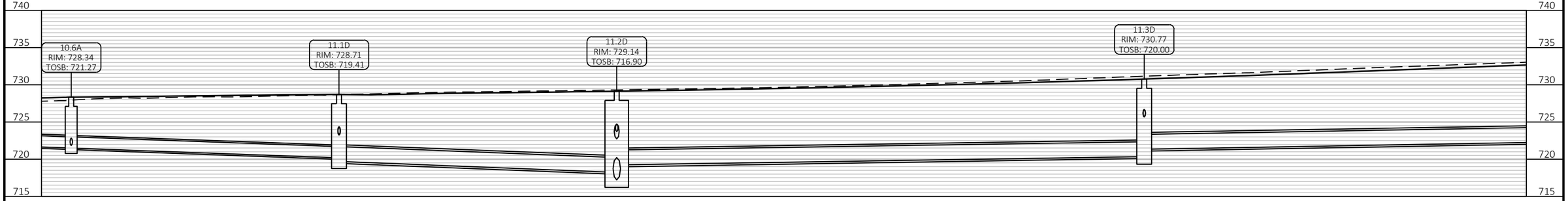
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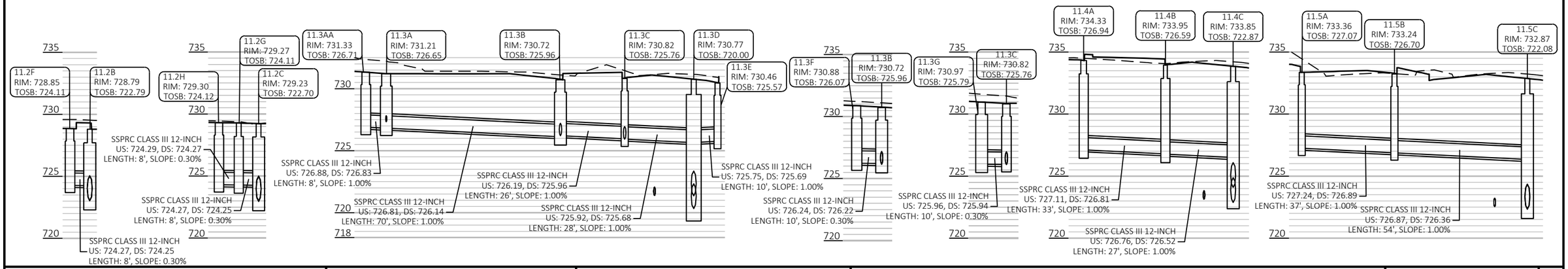




PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 146	E

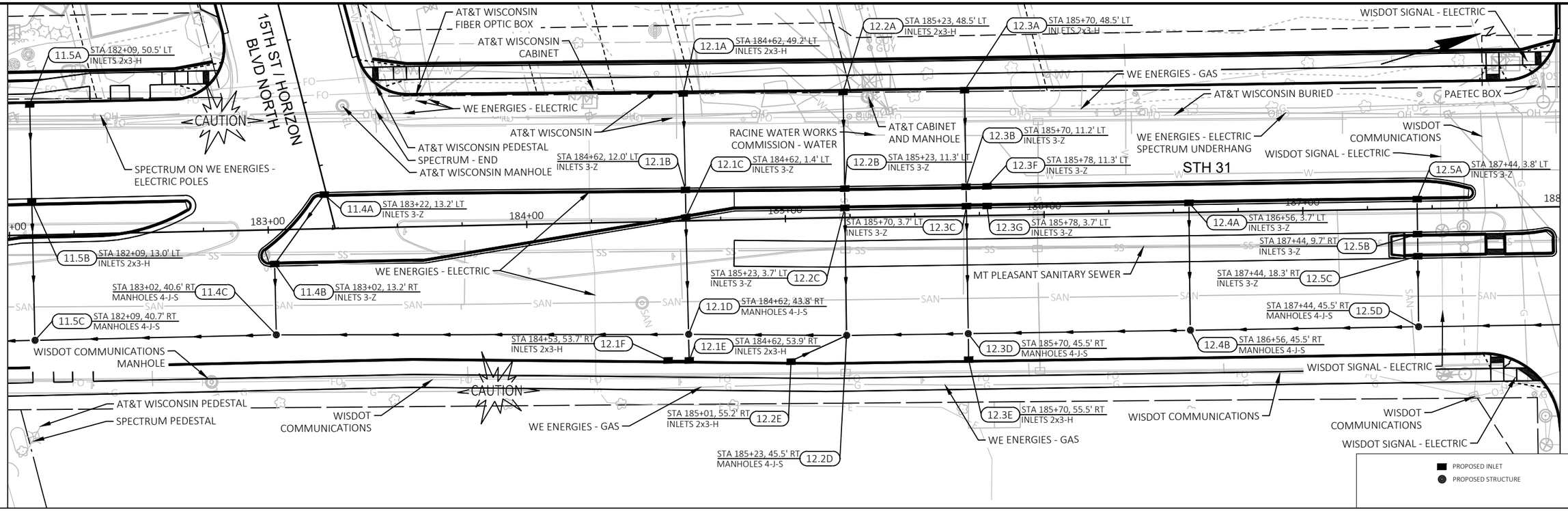


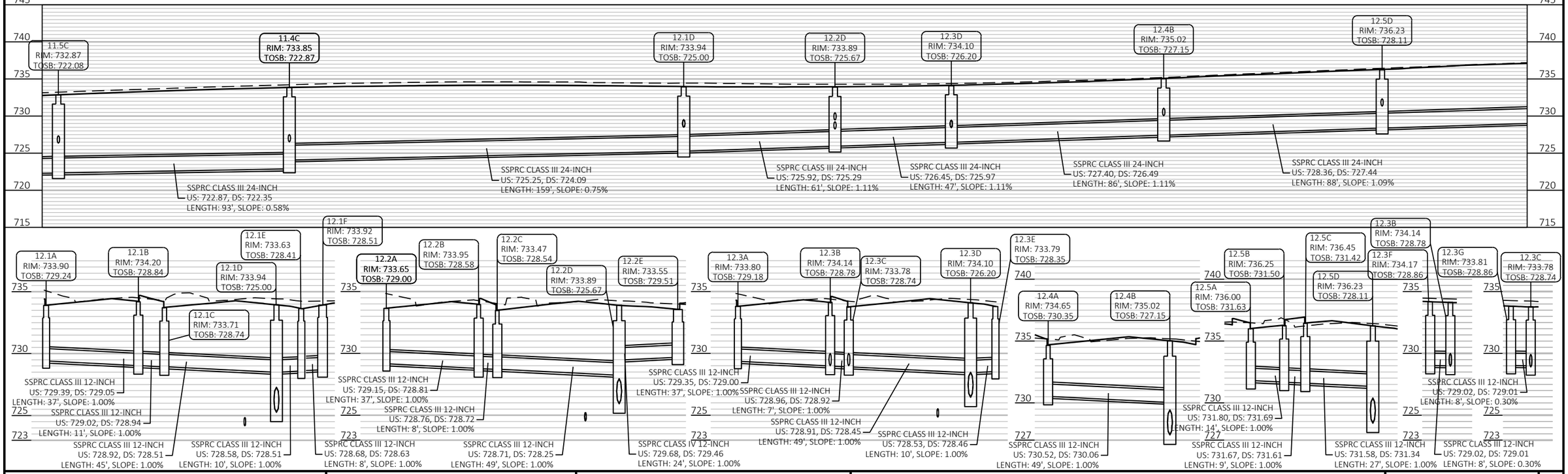




PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 147	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022511 (2)
PLOT DATE : 7/25/2025 4:49 PM
PLOT BY : HARRY TRAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

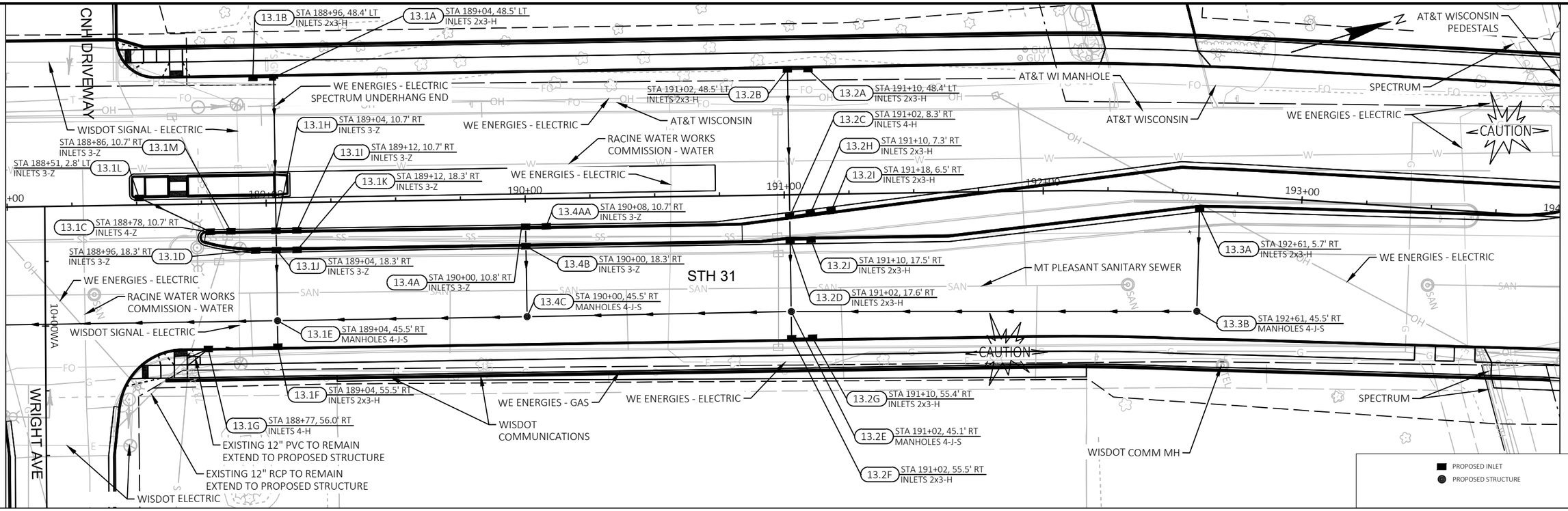


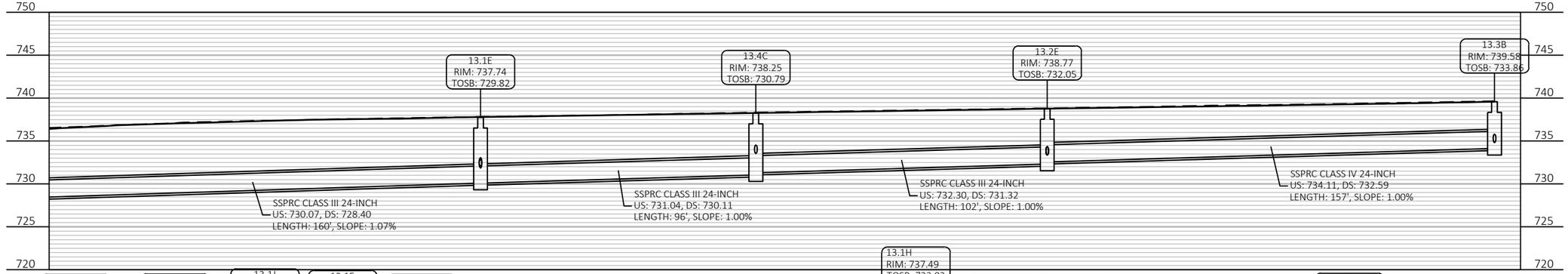


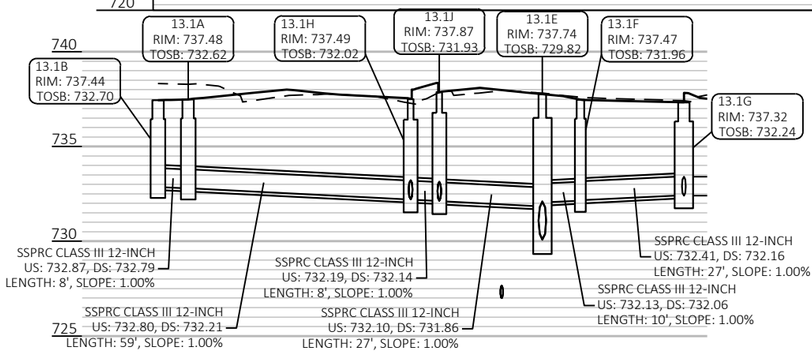
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 148 E

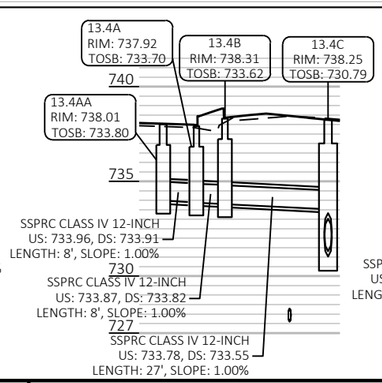
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022512
PLOT DATE : 7/11/2025 3:44 PM PLOT BY : RYAN SCHUPPIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

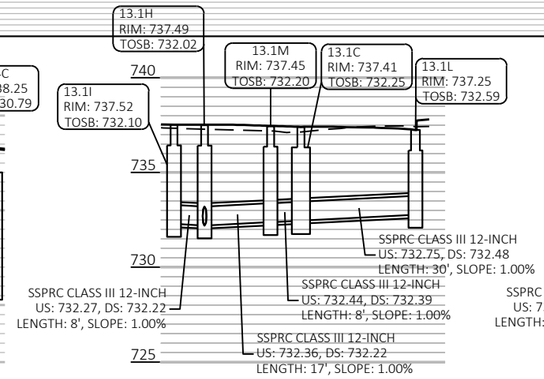
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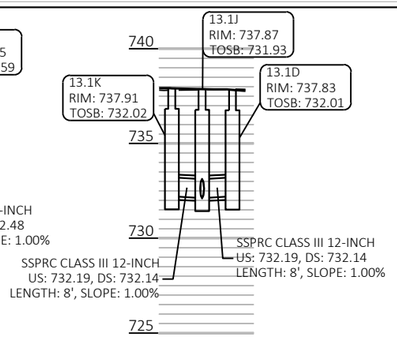






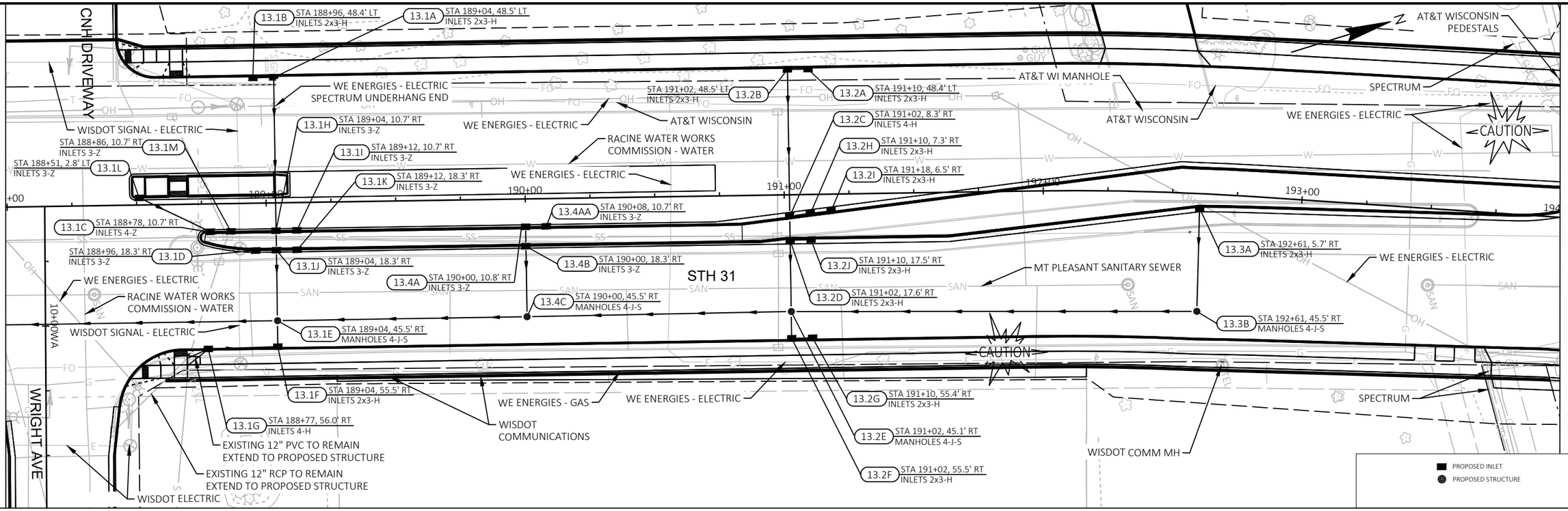


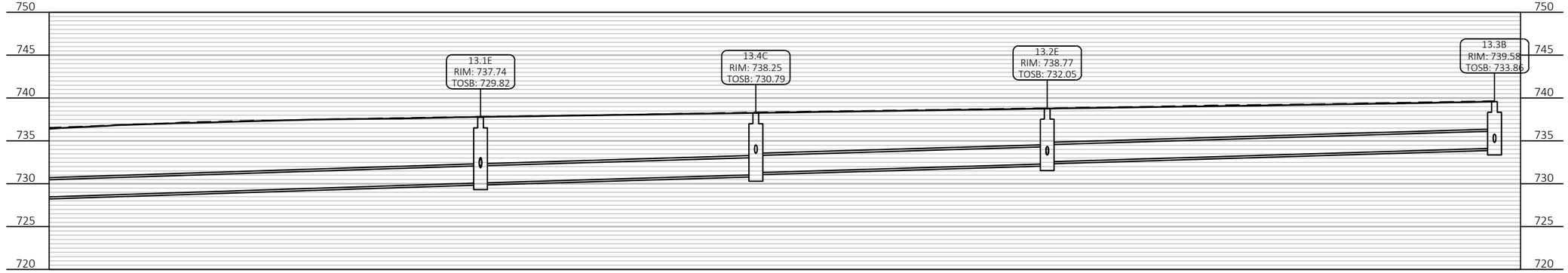


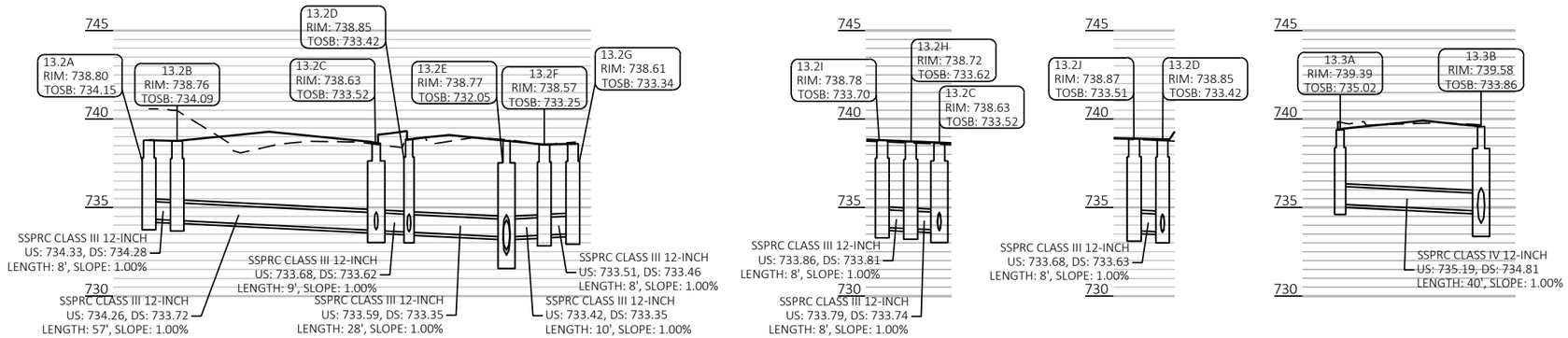


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 149	E

2







PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 150	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022513 (2)
PLOT DATE : 7/11/2025 3:46 PM
PLOT BY : RYAN SCHUPPIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

14.1A STA 194+77, 50.5' LT INLETS 4-H

14.1B STA 195+79, 50.5' LT INLETS 2x3-H

STA 196+70, 50.5' LT INLETS 2x3-H 14.1D

AT&T WISCONSIN PEDESTALS

AT&T WISCONSIN

14.1L STA 194+15, 12.4' LT INLETS 4-H

RACINE WATER WORKS COMMISSION - WATER

CAUTION

STA 196+62, 50.5' LT INLETS 2x3-H 14.1C

WE ENERGIES - GAS

14.1E STA 196+78, 50.5' LT INLETS 2x3-H

14.1F STA 196+78, 13.3' LT INLETS 4-Z

SPECTRUM

SPECTRUM BOX

AT&T WISCONSIN

AT&T WISCONSIN PEDESTAL

MT PLEASANT STORM SEWER

STA 198+75, 50.4' LT INLETS 2x3-H 15.3A

STA 198+74, 13.3' LT INLETS 4-Z 15.3B

STH 31

190

195+00

196+00

197+00

198+00

MATCH LINE 199+00

14.1G STA 196+78, 6.7' LT INLETS 4-Z

STA 198+75, 6.7' LT INLETS 4-Z 15.3C

MT PLEASANT SANITARY SEWER

SPECTRUM

WE ENERGIES - ELECTRIC

WE ENERGIES - GAS

CAUTION

AT&T WI PEDESTAL

14.1H STA 196+78, 40.5' RT MANHOLES 4-J-S

MT PLEASANT STORM SEWER

STA 198+75, 40.5' RT MANHOLES 4-J-S 15.3D

SPECTRUM

WISDOT COMMUNICATION MH

WE ENERGIES - ELECTRIC

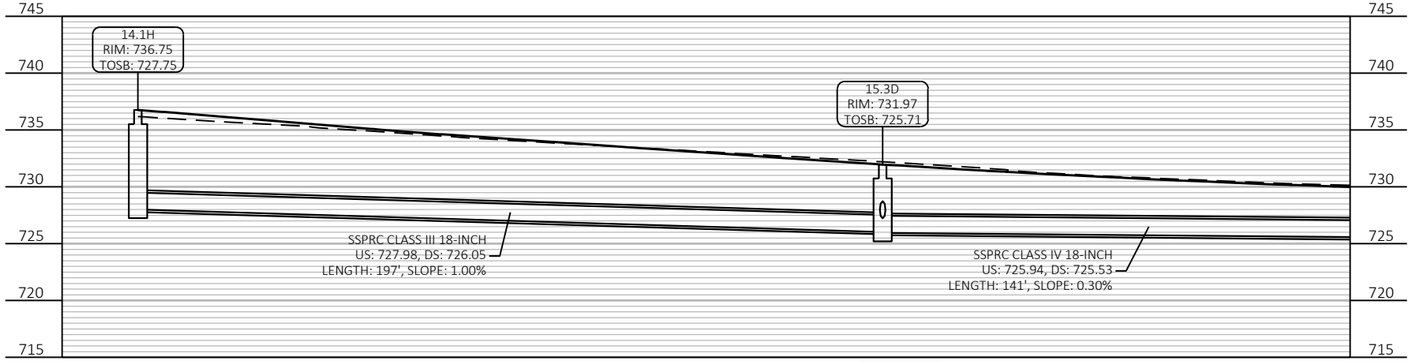
STA 196+62, 50.5' RT INLETS 2x3-H 14.1K

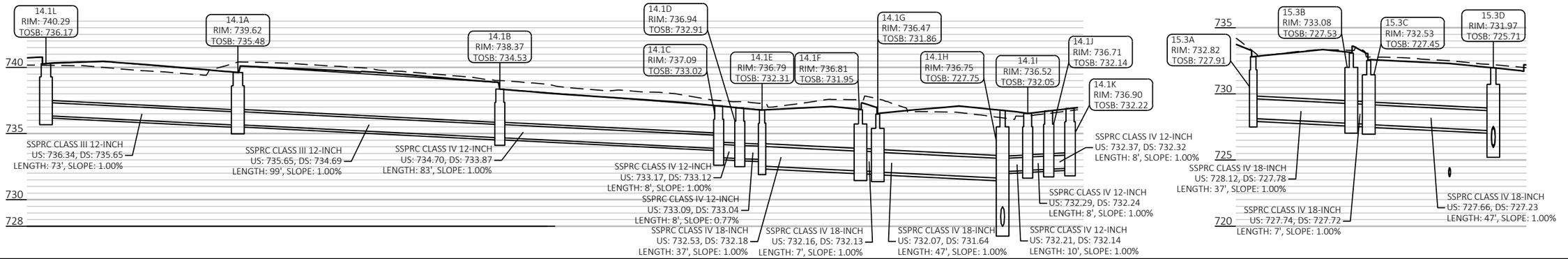
14.1I STA 196+78, 50.4' RT INLETS 2x3-H

14.1J STA 196+70, 50.5' RT INLETS 2x3-H

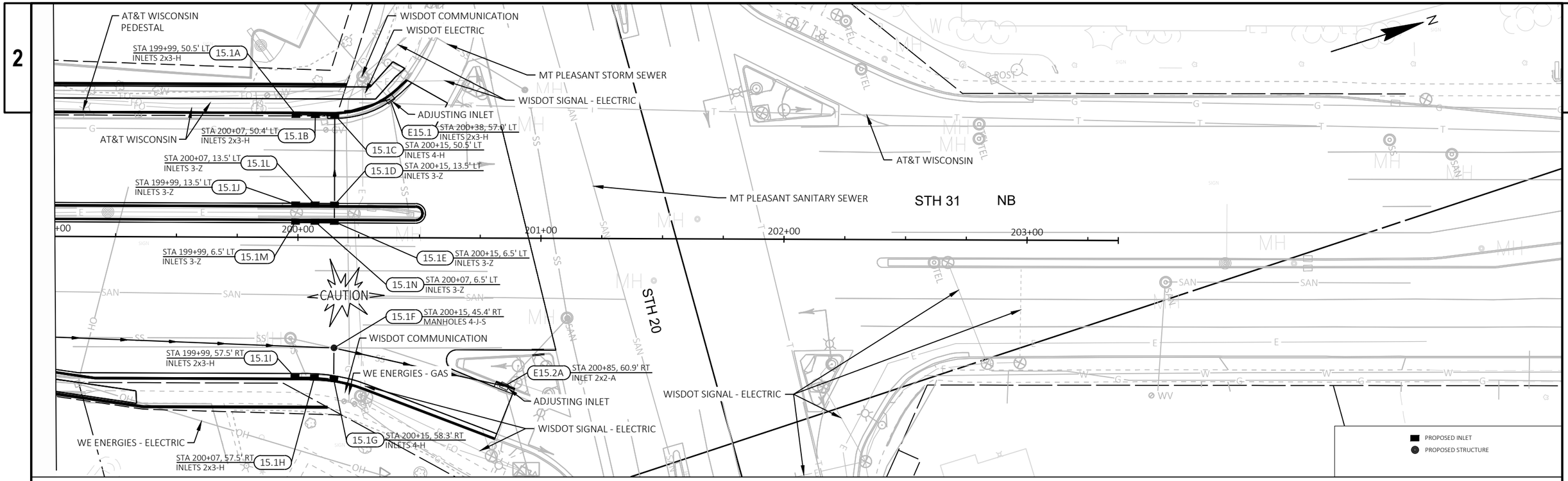
PROPOSED INLET

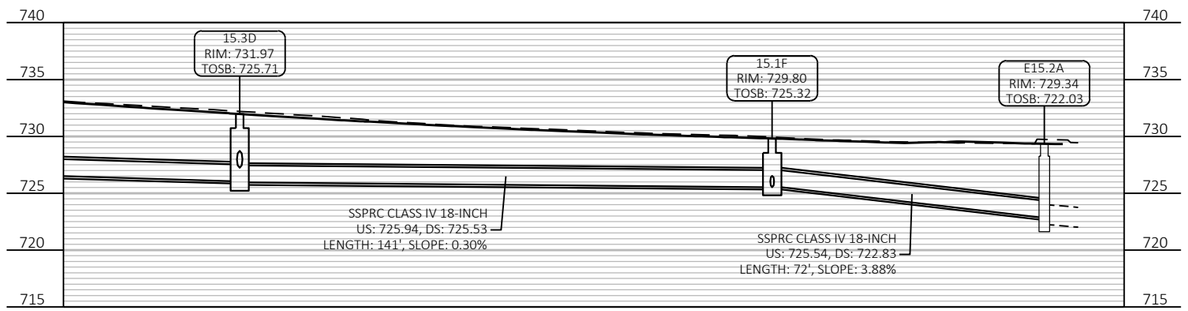
PROPOSED STRUCTURE

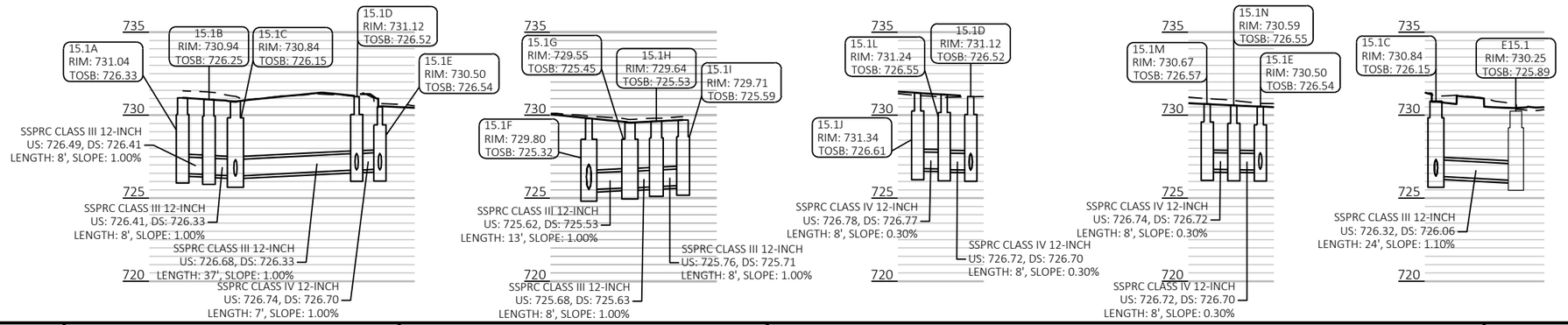




PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 151	E





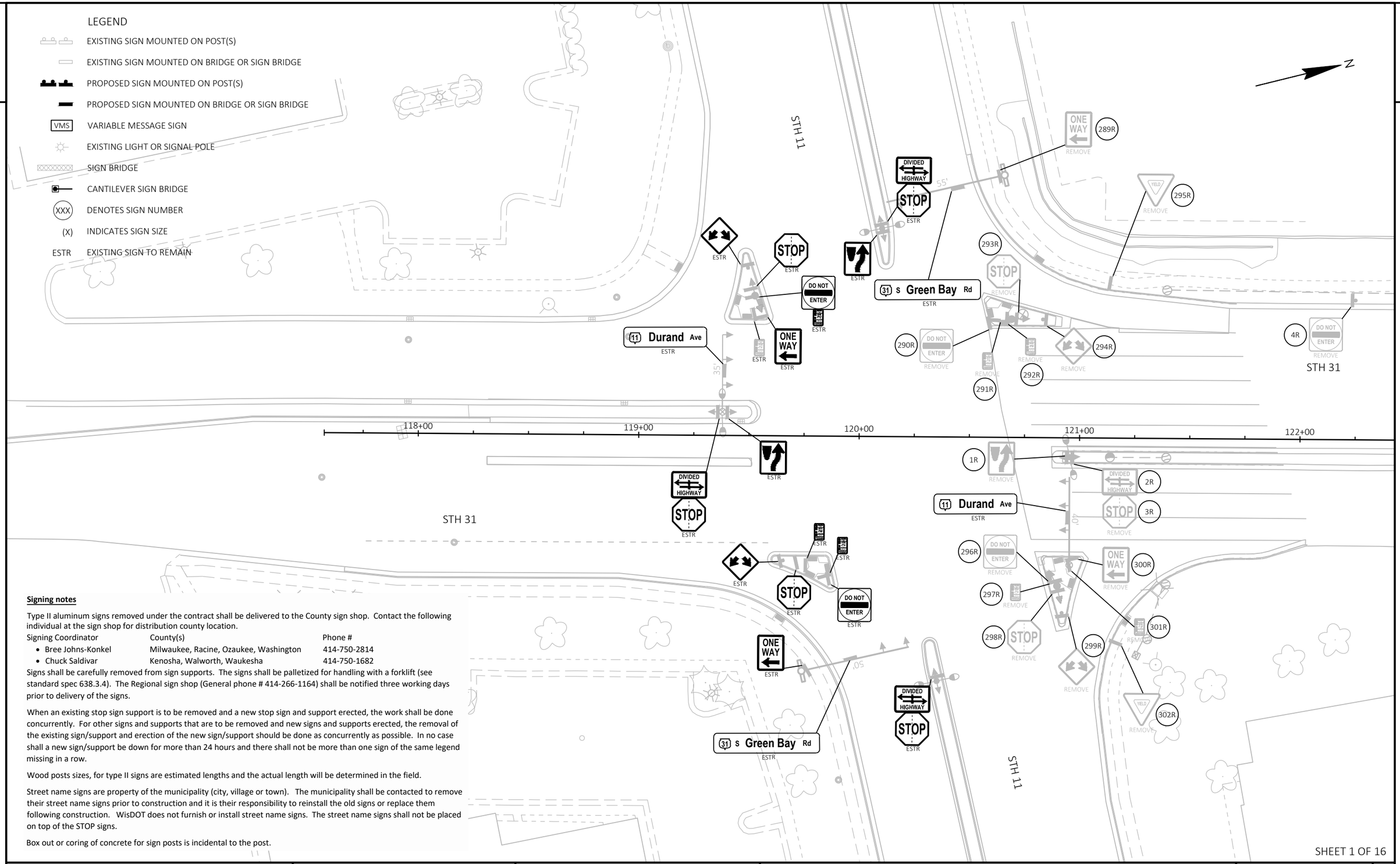


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	STORM SEWER	SHEET 152	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



Signing notes

Type II aluminum signs removed under the contract shall be delivered to the County sign shop. Contact the following individual at the sign shop for distribution county location.

Signing Coordinator	County(s)	Phone #
• Bree Johns-Konkel	Milwaukee, Racine, Ozaukee, Washington	414-750-2814
• Chuck Saldivar	Kenosha, Walworth, Waukesha	414-750-1682

Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see standard spec 638.3.4). The Regional sign shop (General phone # 414-266-1164) shall be notified three working days prior to delivery of the signs.

When an existing stop sign support is to be removed and a new stop sign and support erected, the work shall be done concurrently. For other signs and supports that are to be removed and new signs and supports erected, the removal of the existing sign/support and erection of the new sign/support should be done as concurrently as possible. In no case shall a new sign/support be down for more than 24 hours and there shall not be more than one sign of the same legend missing in a row.

Wood posts sizes, for type II signs are estimated lengths and the actual length will be determined in the field.

Street name signs are property of the municipality (city, village or town). The municipality shall be contacted to remove their street name signs prior to construction and it is their responsibility to reinstall the old signs or replace them following construction. WisDOT does not furnish or install street name signs. The street name signs shall not be placed on top of the STOP signs.

Box out or coring of concrete for sign posts is incidental to the post.

SHEET 1 OF 16

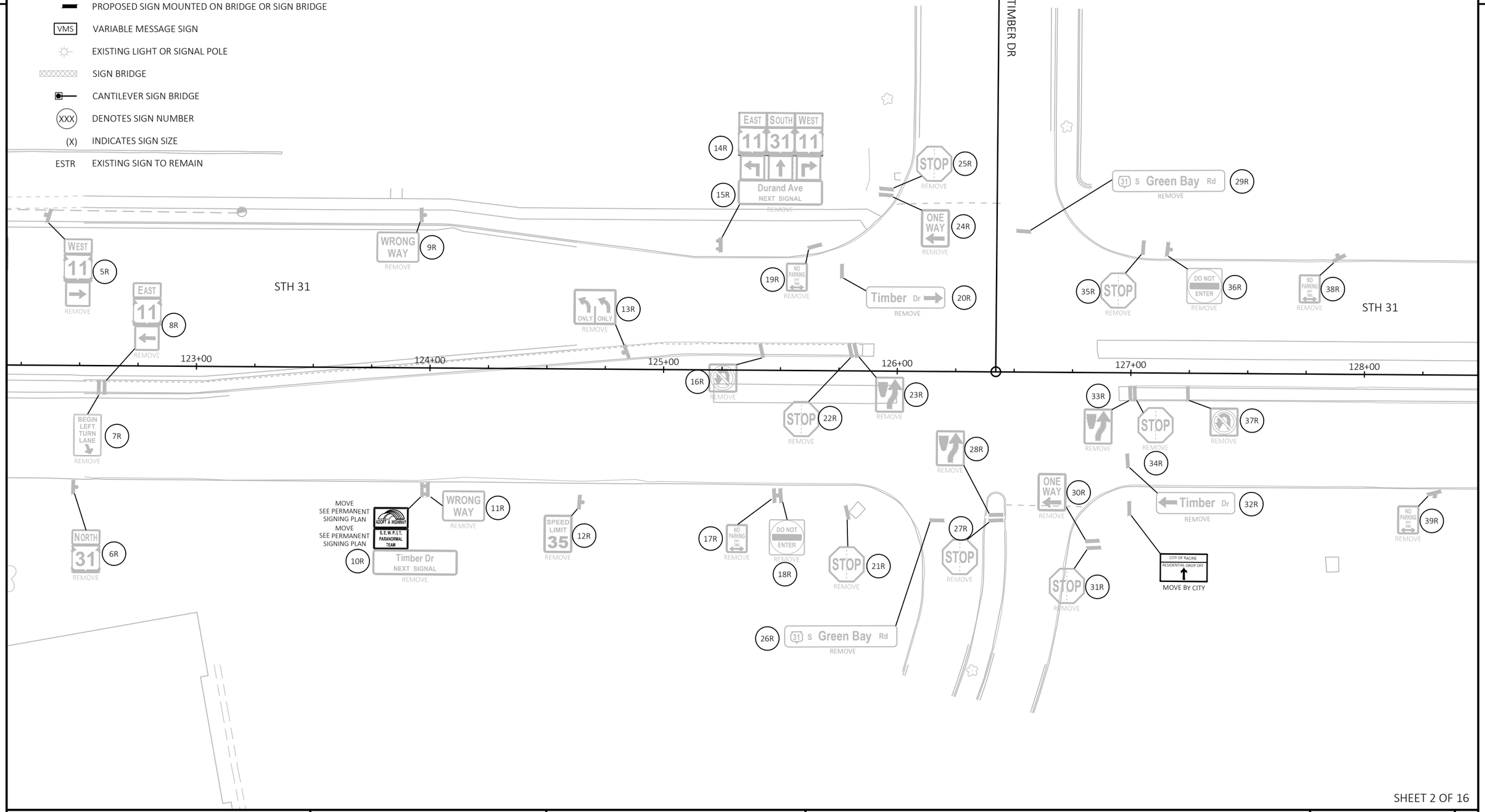
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 153	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 01
PLOT DATE : 3/17/2025 3:58 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 2 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 154	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 02

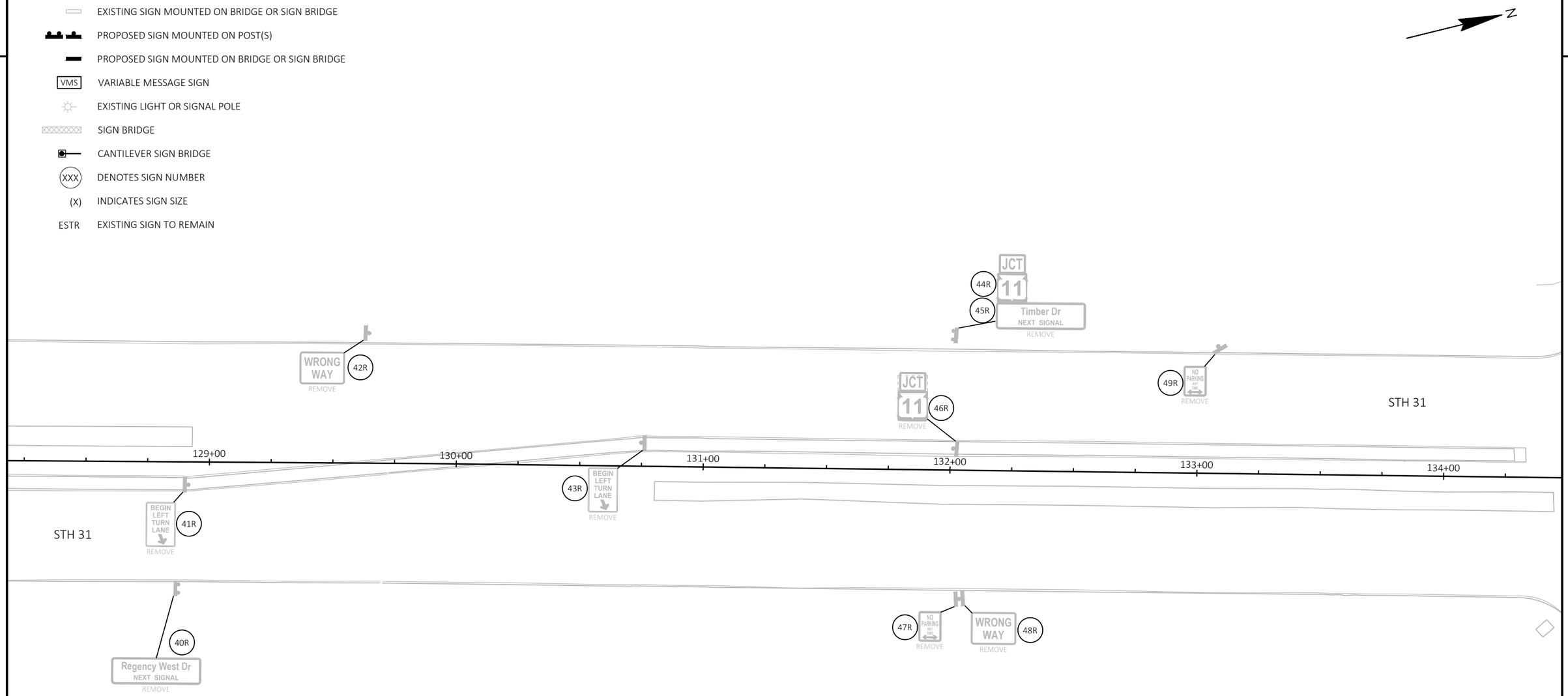
PLOT DATE : 3/17/2025 3:43 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 3 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 155	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 03

PLOT DATE : 3/17/2025 3:44 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

REGENCY WEST DR

Regency West Dr — REMOVE — 55R

57R STOP — REMOVE

52R STOP — REMOVE

60R 31 S Green Bay Rd — REMOVE

66R DO NOT ENTER — REMOVE

64R STOP — REMOVE

67R NO PARKING ANY TIME — REMOVE

71R WRONG WAY — REMOVE

Regency West Dr NEXT SIGNAL — REMOVE — 72R

73R BEGIN LEFT TURN LANE — REMOVE

STH 31

134+00 135+00 136+00 137+00 138+00 139+00 140+00

51R — REMOVE

53R — REMOVE

65R — REMOVE

70R BEGIN LEFT TURN LANE — REMOVE

STH 31

31 S Green Bay Rd — REMOVE — 56R

58R — REMOVE

Regency West Dr — REMOVE — 63R

74R NO PARKING ANY TIME — REMOVE

50R DO NOT ENTER — REMOVE

54R STOP — REMOVE

59R STOP — REMOVE

62R STOP — REMOVE

61R ONE WAY — REMOVE

68R NO PARKING ANY TIME — REMOVE

69R WRONG WAY — REMOVE

75R DO NOT ENTER — REMOVE

TOW AWAY ZONE
MOVE BY CITY

REGENCY MALL ENTRANCE NORTH

SHEET 4 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 156	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 04

PLOT DATE : 3/17/2025 3:44 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

REGENCY POINT ENT

SEMIS USE REGENCY WEST DRIVE
MOVE BY CITY

SEMIS USE REGENCY WEST DRIVE
MOVE BY CITY

81R STOP REMOVE

80R ONE WAY REMOVE

82R REMOVE

76R NO PARKING ANY TIME REMOVE

79R REMOVE

78R STOP REMOVE

84R STOP REMOVE

89R DO NOT ENTER REMOVE

91R NO PARKING ANY TIME REMOVE

94R WRONG WAY REMOVE

STH 31

96R BEGIN LEFT TURN LANE REMOVE

140+00 141+00 142+00 143+00 144+00 145+00

87R REMOVE

88R STOP REMOVE

92R SPEED LIMIT 35 REMOVE

97R BEGIN LEFT TURN LANE REMOVE

STH 31

85R ONE WAY REMOVE

86R STOP REMOVE

83R REMOVE

77R STOP REMOVE

90R NO PARKING ANY TIME REMOVE

93R SPEED LIMIT 35 REMOVE

95R 21st St NEXT SIGNAL REMOVE

HIGH RIDGE ENT

SHEET 5 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 157	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 05

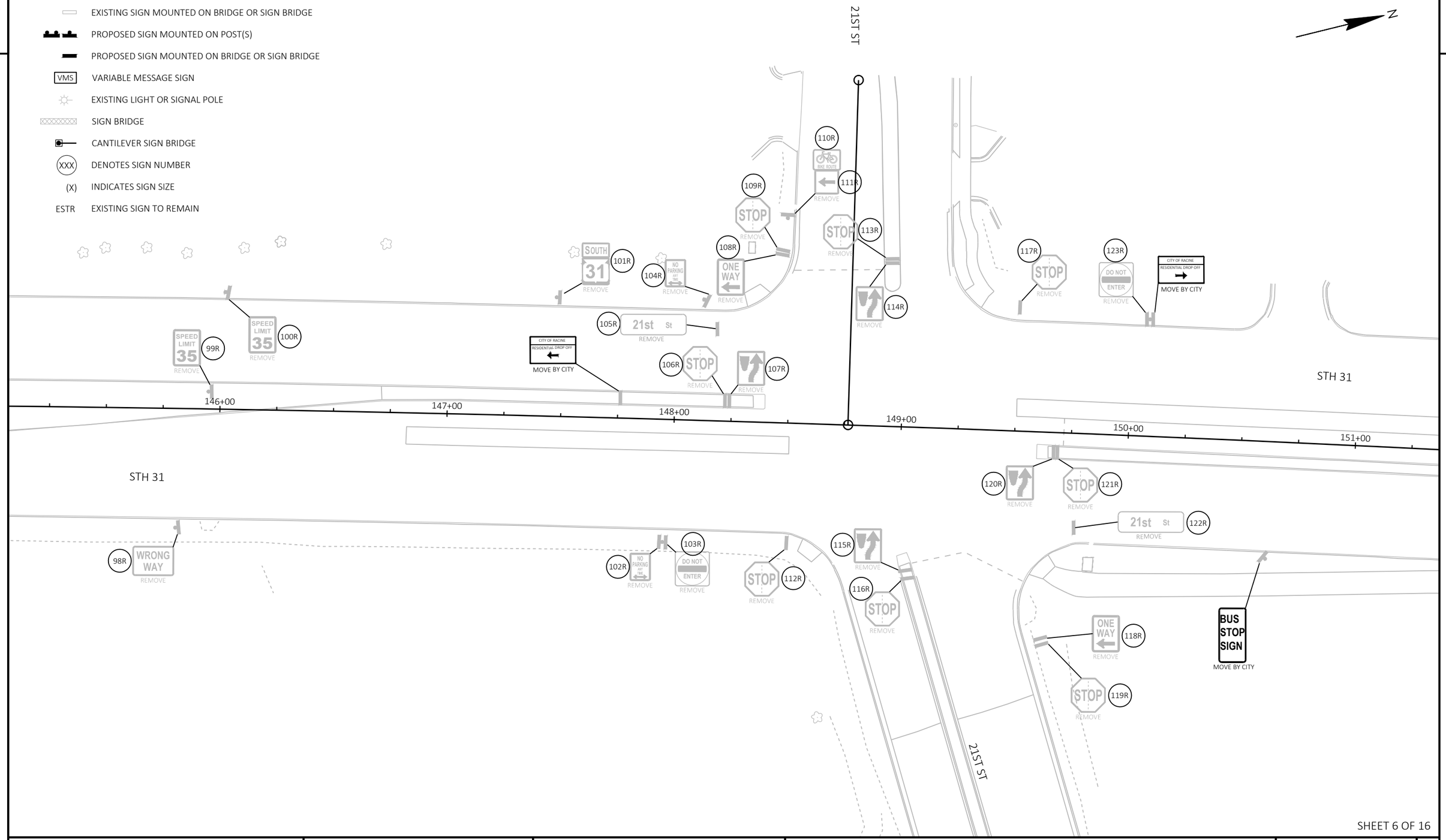
PLOT DATE : 3/17/2025 3:44 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 6 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 158	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 06

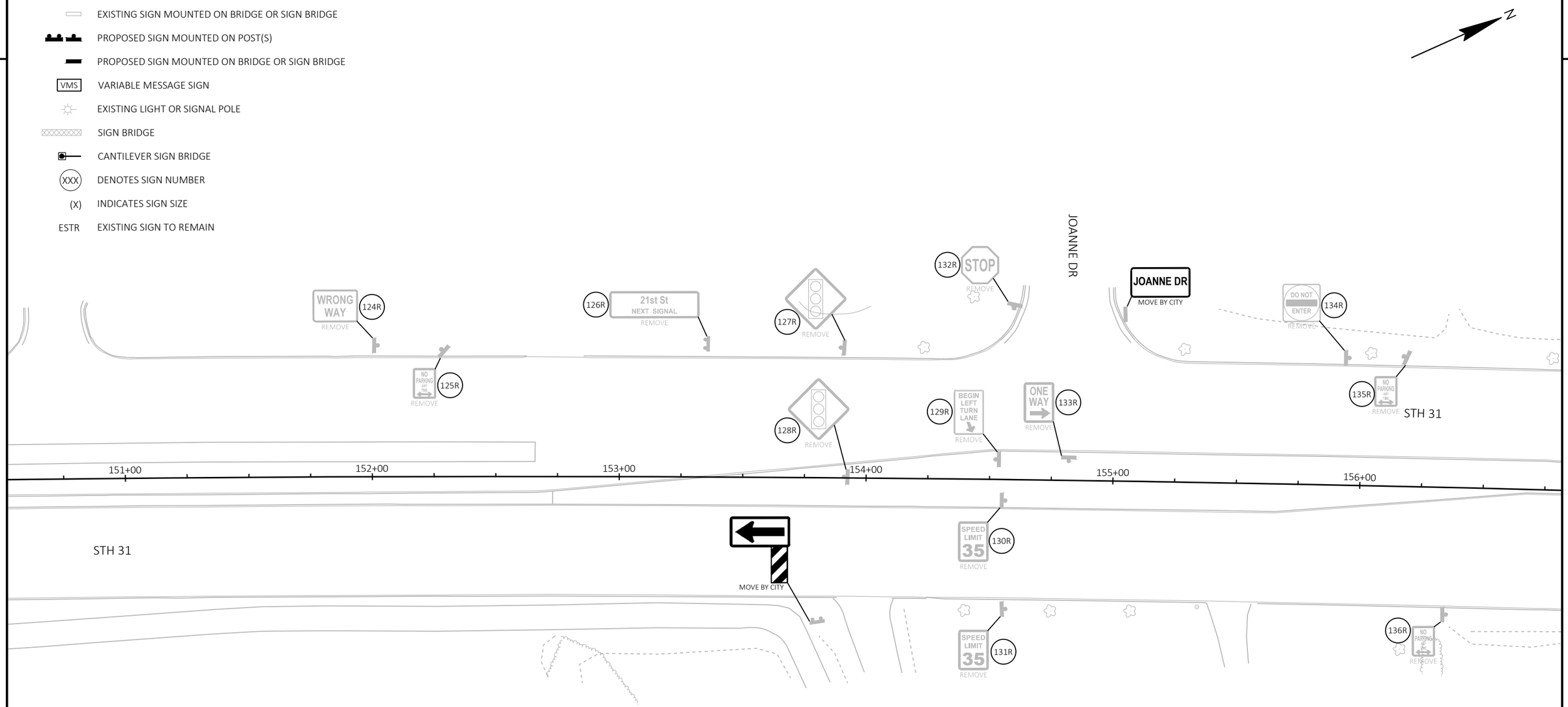
PLOT DATE : 3/17/2025 3:44 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 7 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 159	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 07

PLOT DATE : 3/17/2025 3:44 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

MARGERY DR

STOP 140R REMOVE

137R SPEED LIMIT 35 REMOVE

MARGERY DR
MOVE BY CITY

143R DO NOT ENTER REMOVE

NO PARKING ANY TIME 145R REMOVE

WRONG WAY 147R REMOVE

STH 31

149R REMOVE

138R SPEED LIMIT 35 REMOVE

139R REMOVE

157+00

158+00

159+00

160+00

161+00

162+00

STH 31

142R REMOVE

ONE WAY 141R REMOVE

NO PARKING ANY TIME 144R REMOVE

WRONG WAY 146R REMOVE

NO OUTLET 150R REMOVE

CASTLE CT

148R DO NOT ENTER REMOVE

CASTLE CT
S GREEN BAY RD
MOVE BY CITY

2

SHEET 8 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 160	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 08

PLOT DATE : 3/17/2025 3:44 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

GREENLEAF BLVD
MOVE BY CITY

GREENLEAF BLVD

SUNSET BLVD
MOVE BY CITY

SUNSET BLVD

STH 31

STH 31

CASTLE CT

BYRD AVE

BYRD AVE MOVE BY CITY

S GREEN BAY RD MOVE BY CITY

FLAG

151R ONE WAY REMOVE
152R STOP REMOVE
153R REMOVE
154R NO PARKING ANY TIME REMOVE
155R ONE WAY REMOVE
156R STOP REMOVE
157R ONE WAY REMOVE
158R NO PARKING ANY TIME REMOVE
159R NO PARKING ANY TIME REMOVE
160R SPEED LIMIT 35 REMOVE
161R SPEED LIMIT 35 REMOVE
162R WRONG WAY REMOVE
163R SPEED LIMIT 35 REMOVE
164R SPEED LIMIT 35 REMOVE
165R DO NOT ENTER REMOVE
166R REMOVE
167R ONE WAY REMOVE
168R STOP REMOVE
169R STOP
170R DIVIDED HIGHWAY REMOVE
171R ONE WAY REMOVE
172R REMOVE
173R DO NOT ENTER REMOVE

162+00 163+00 164+00 165+00 166+00 167+00 168+00

SHEET 9 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 161	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 09

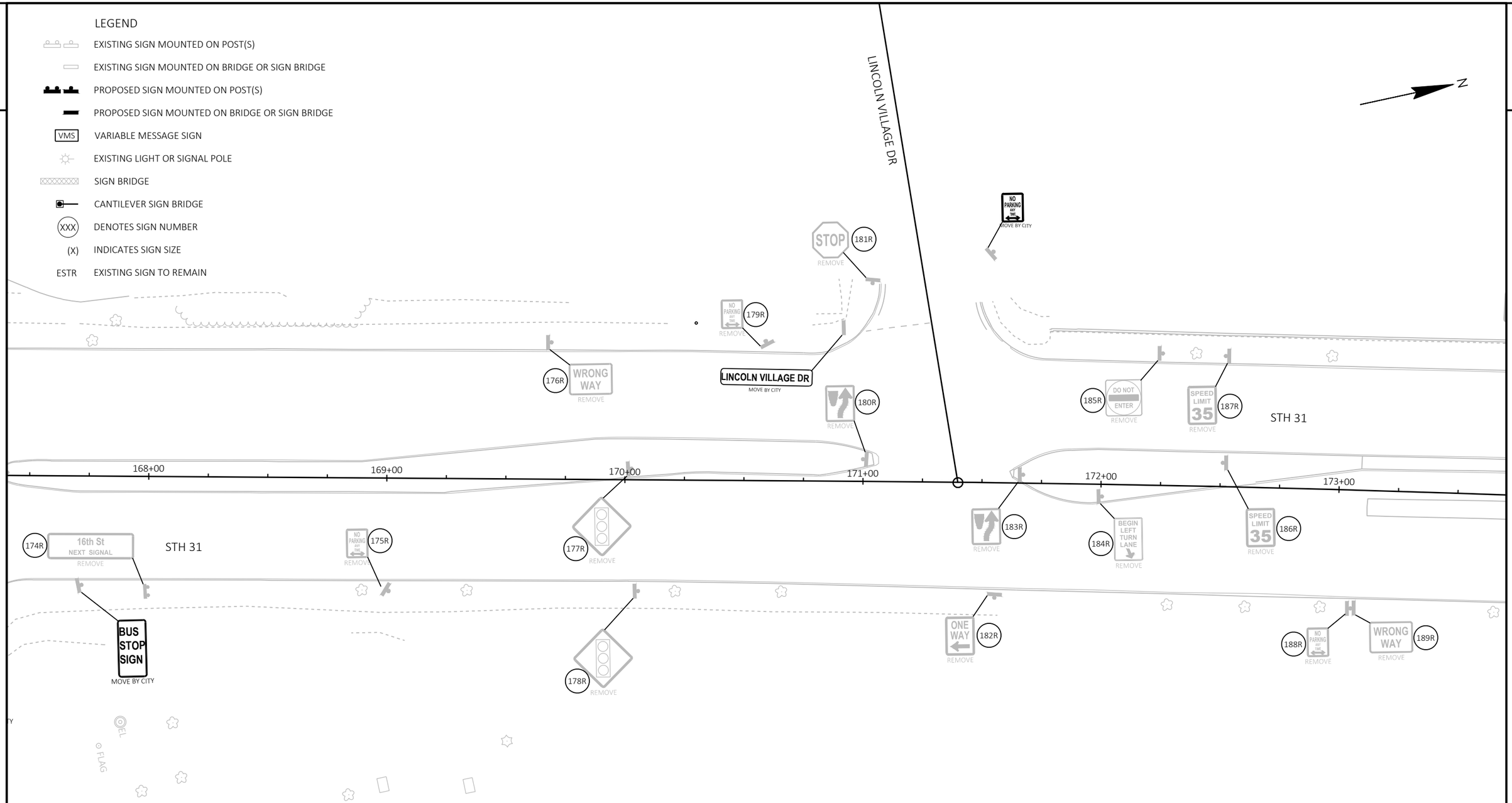
PLOT DATE : 3/17/2025 3:45 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 10 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 162	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 10

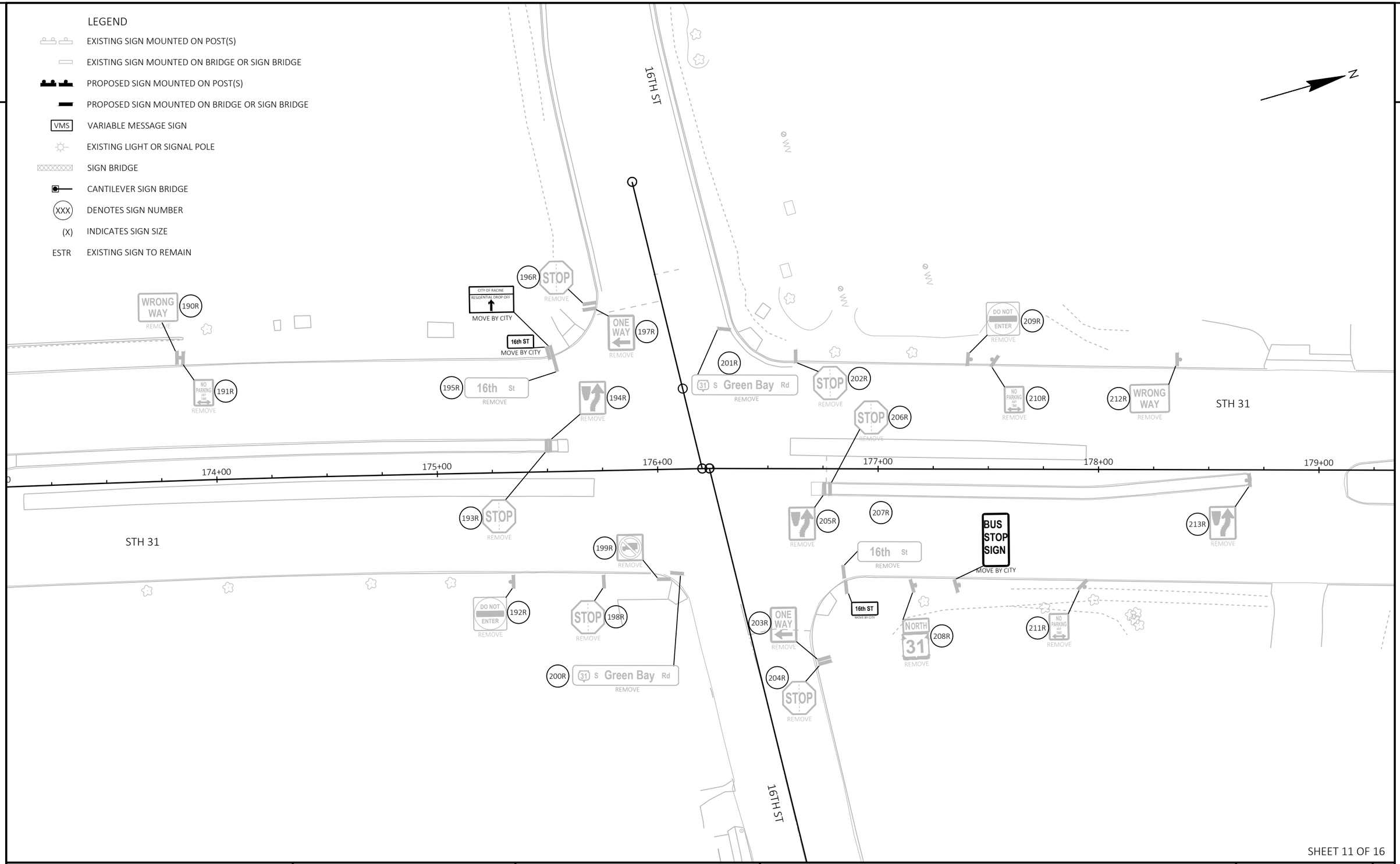
PLOT DATE : 3/17/2025 3:45 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 11 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 163	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 11

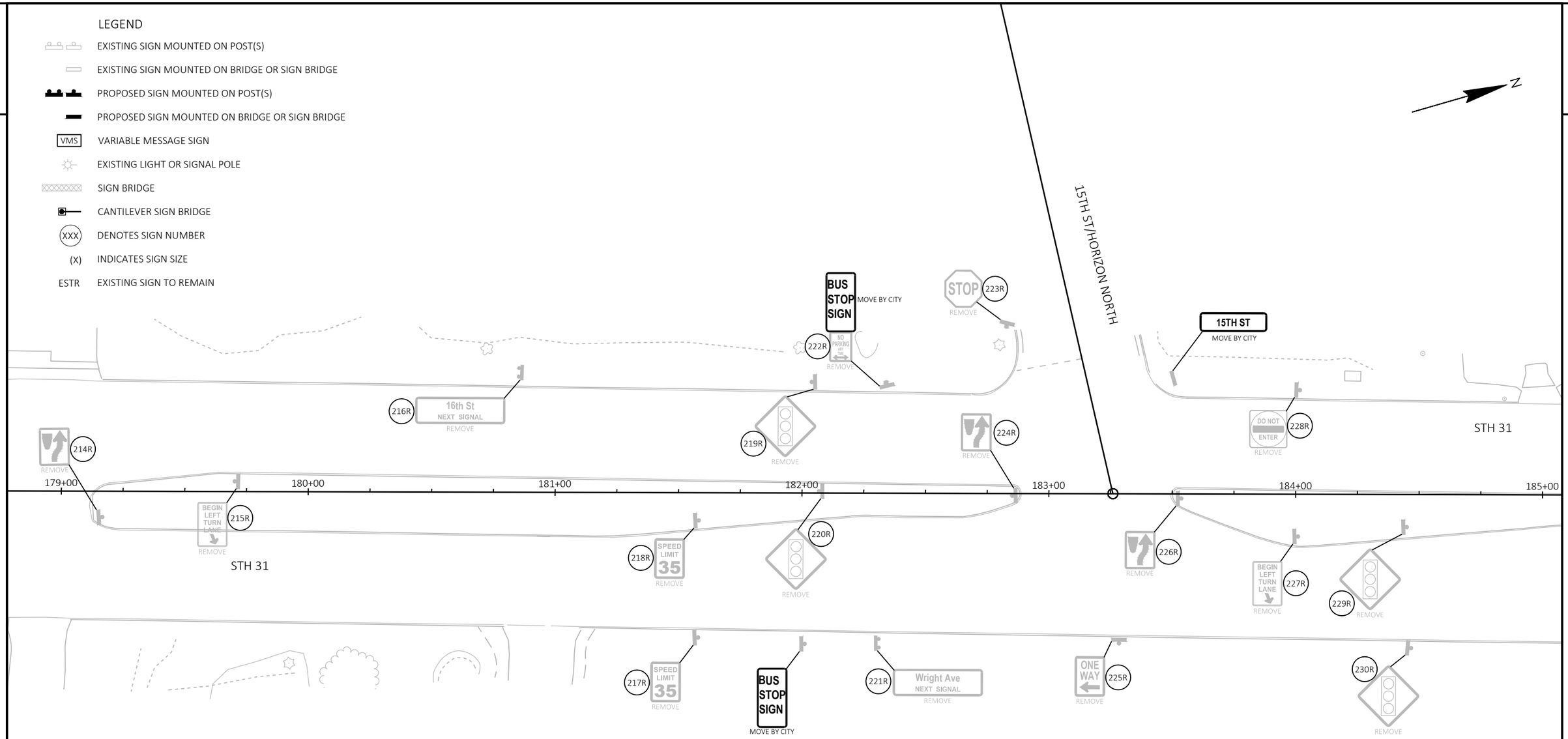
PLOT DATE : 3/17/2025 3:45 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 12 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 164	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 12

PLOT DATE : 3/17/2025 3:45 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

STH 31

185+00 186+00 187+00 188+00 189+00 190+00

232R WRONG WAY REMOVE

233R NO PARKING ANY TIME REMOVE

236R Wright Ave REMOVE

239R ONE WAY REMOVE

240R STOP REMOVE

242R 31 S Green Bay Rd REMOVE

245R DO NOT ENTER REMOVE

247R STOP REMOVE

252R SPEED LIMIT 35 REMOVE

STH 31

234R STOP REMOVE

235R REMOVE

238R DO NOT ENTER REMOVE

237R STOP REMOVE

231R WRONG WAY REMOVE

241R 31 S Green Bay Rd REMOVE

NO PARKING ANY TIME MOVE BY CITY

SPEED LIMIT 25 ESTR

WRIGHT AVE

249R STOP REMOVE

246R REMOVE

248R Wright Ave REMOVE

251R SPEED LIMIT 35 REMOVE

WRIGHT AVE S GREEN BAY RD MOVE BY CITY

250R ONE WAY REMOVE

DIVIDED HIGHWAY 243R

244R STOP REMOVE

NO PARKING ANY TIME ESTR

Washington Ave NEXT SIGNAL 253R REMOVE

SHEET 13 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 165	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 13

PLOT DATE : 3/17/2025 3:45 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

STH 31

191+00

192+00

193+00

194+00

195+00

196+00

256R REMOVE

258R REMOVE

260R REMOVE

257R REMOVE

255R REMOVE

259R REMOVE

261R REMOVE

254R JCT 20 REMOVE

DOWNTOWN
LAKEFRONT
UPTOWN DISTRICT
CITY OF RACINE
MOVE BY CITY

BUS STOP SIGN
MOVE BY CITY

MOVE BY OTHERS

MOVE BY OTHERS

263R Wright Ave NEXT SIGNAL REMOVE

265R WEST 20 REMOVE

262R EAST 20 REMOVE

264R WRONG WAY REMOVE

STH 31

SHEET 14 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 166	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 14

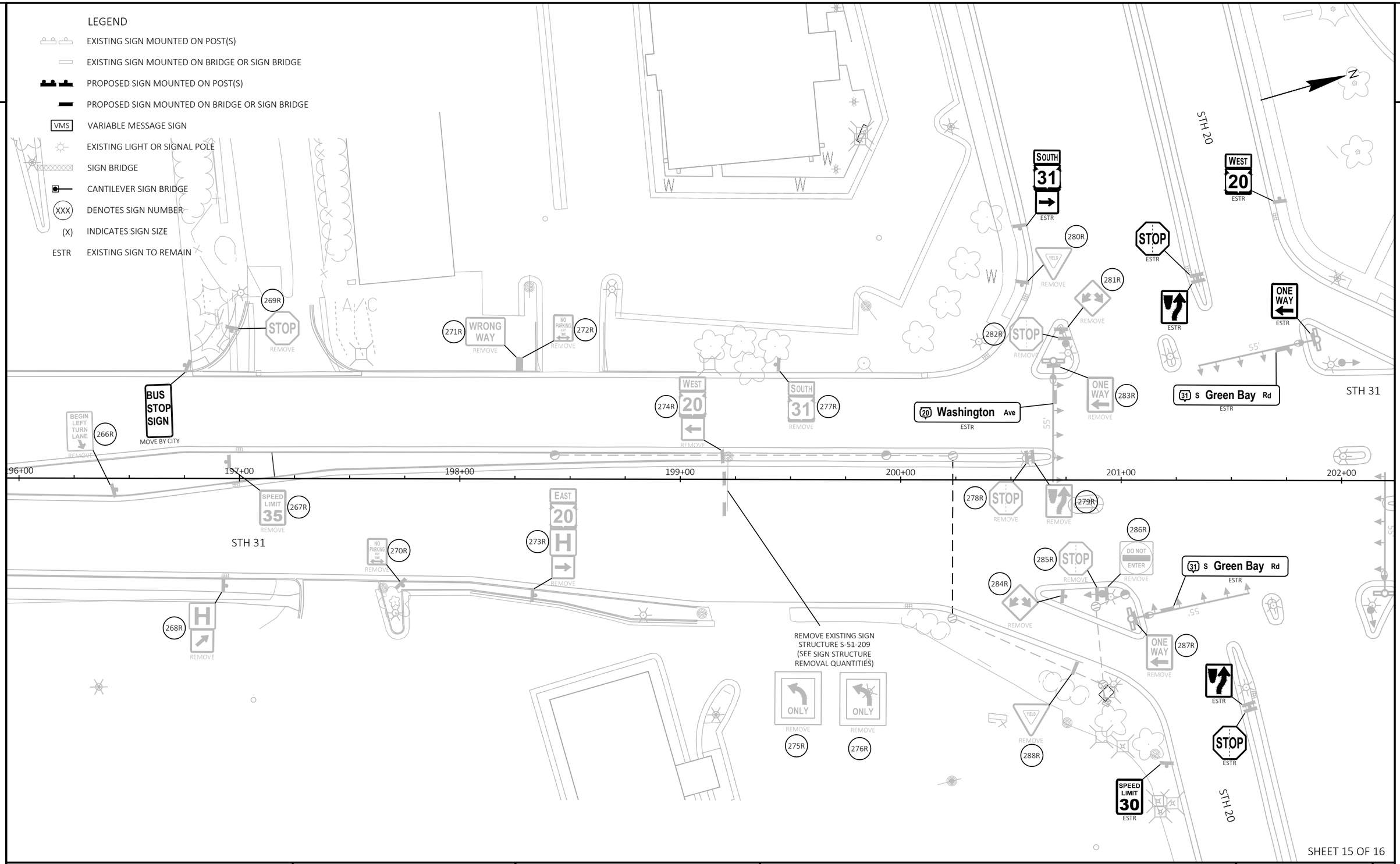
PLOT DATE : 3/17/2025 3:45 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 15 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 167	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 15

PLOT DATE : 3/17/2025 3:46 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

STH 20

STH 31

55'

202+00

203+00

YIELD ESTR

DO NOT ENTER ESTR

STOP ESTR

ESTR

ONLY ESTR

ONLY ESTR

ESTR

Washington Ave ESTR

STOP ESTR

ONE WAY ESTR

DO NOT ENTER ESTR

STOP ESTR

ESTR

SPEED LIMIT 35 ESTR

EAST 20 ESTR

NORTH 31 ESTR

YIELD ESTR

RIPRAP

SHEET 16 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 168	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023101_PS.DWG
LAYOUT NAME - 16

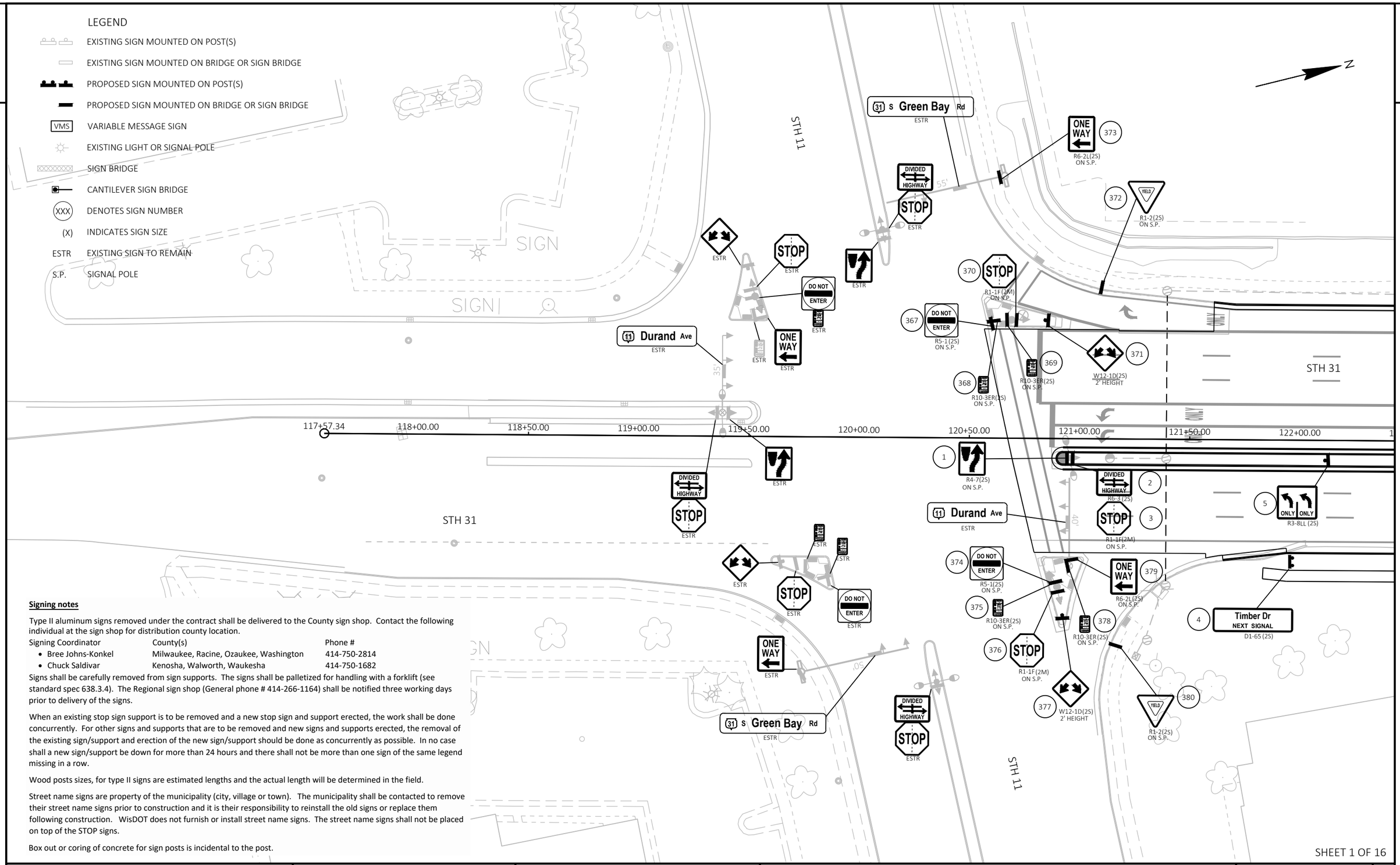
PLOT DATE : 3/17/2025 3:46 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



Signing notes

Type II aluminum signs removed under the contract shall be delivered to the County sign shop. Contact the following individual at the sign shop for distribution county location.

Signing Coordinator	County(s)	Phone #
• Bree Johns-Konkel	Milwaukee, Racine, Ozaukee, Washington	414-750-2814
• Chuck Saldivar	Kenosha, Walworth, Waukesha	414-750-1682

Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see standard spec 638.3.4). The Regional sign shop (General phone # 414-266-1164) shall be notified three working days prior to delivery of the signs.

When an existing stop sign support is to be removed and a new stop sign and support erected, the work shall be done concurrently. For other signs and supports that are to be removed and new signs and supports erected, the removal of the existing sign/support and erection of the new sign/support should be done as concurrently as possible. In no case shall a new sign/support be down for more than 24 hours and there shall not be more than one sign of the same legend missing in a row.

Wood posts sizes, for type II signs are estimated lengths and the actual length will be determined in the field.

Street name signs are property of the municipality (city, village or town). The municipality shall be contacted to remove their street name signs prior to construction and it is their responsibility to reinstall the old signs or replace them following construction. WisDOT does not furnish or install street name signs. The street name signs shall not be placed on top of the STOP signs.

Box out or coring of concrete for sign posts is incidental to the post.

SHEET 1 OF 16

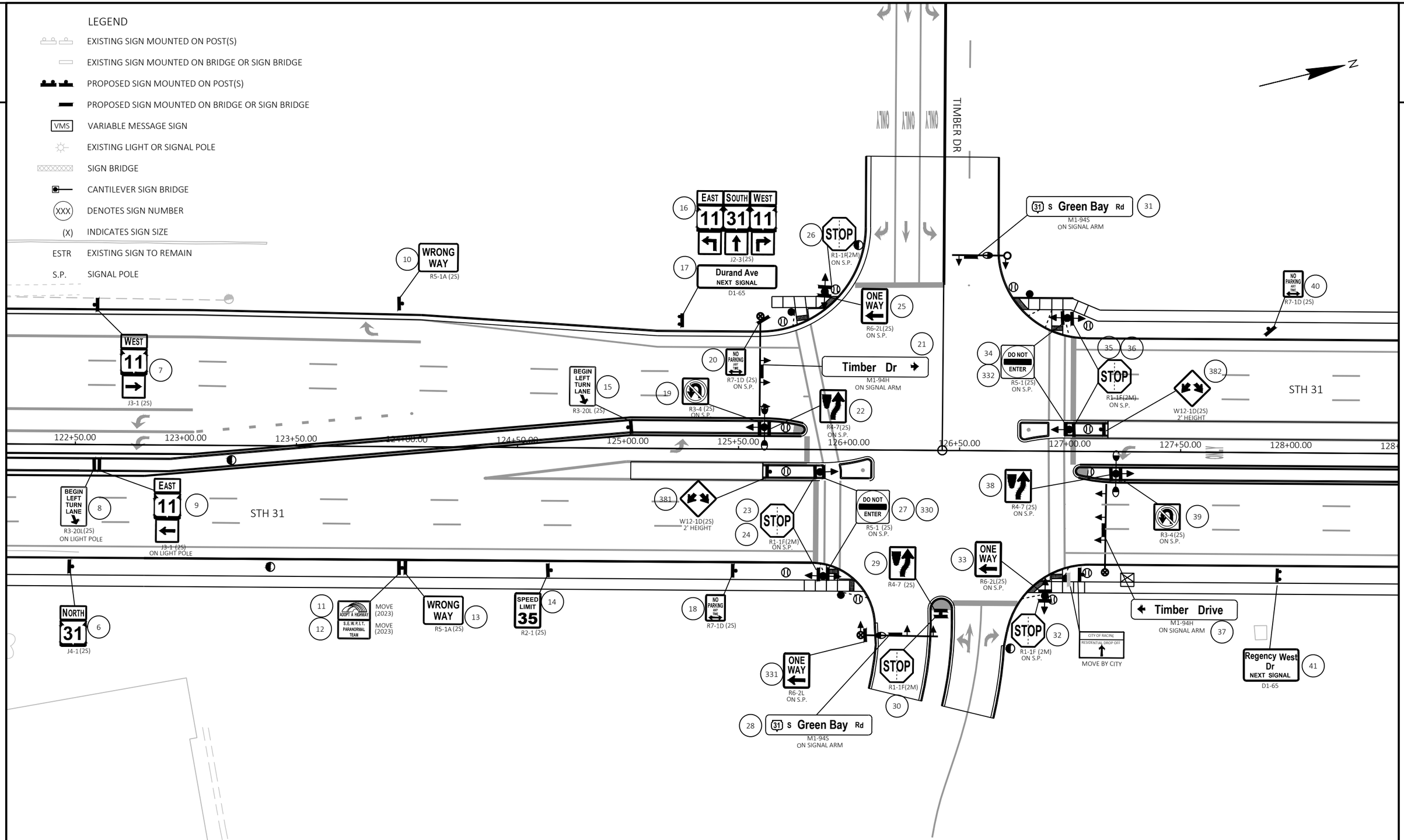
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 169	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 01
PLOT DATE : 3/17/2025 3:49 PM
PLOT BY : ROGAHN, DOUG
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 2 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 170	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 02

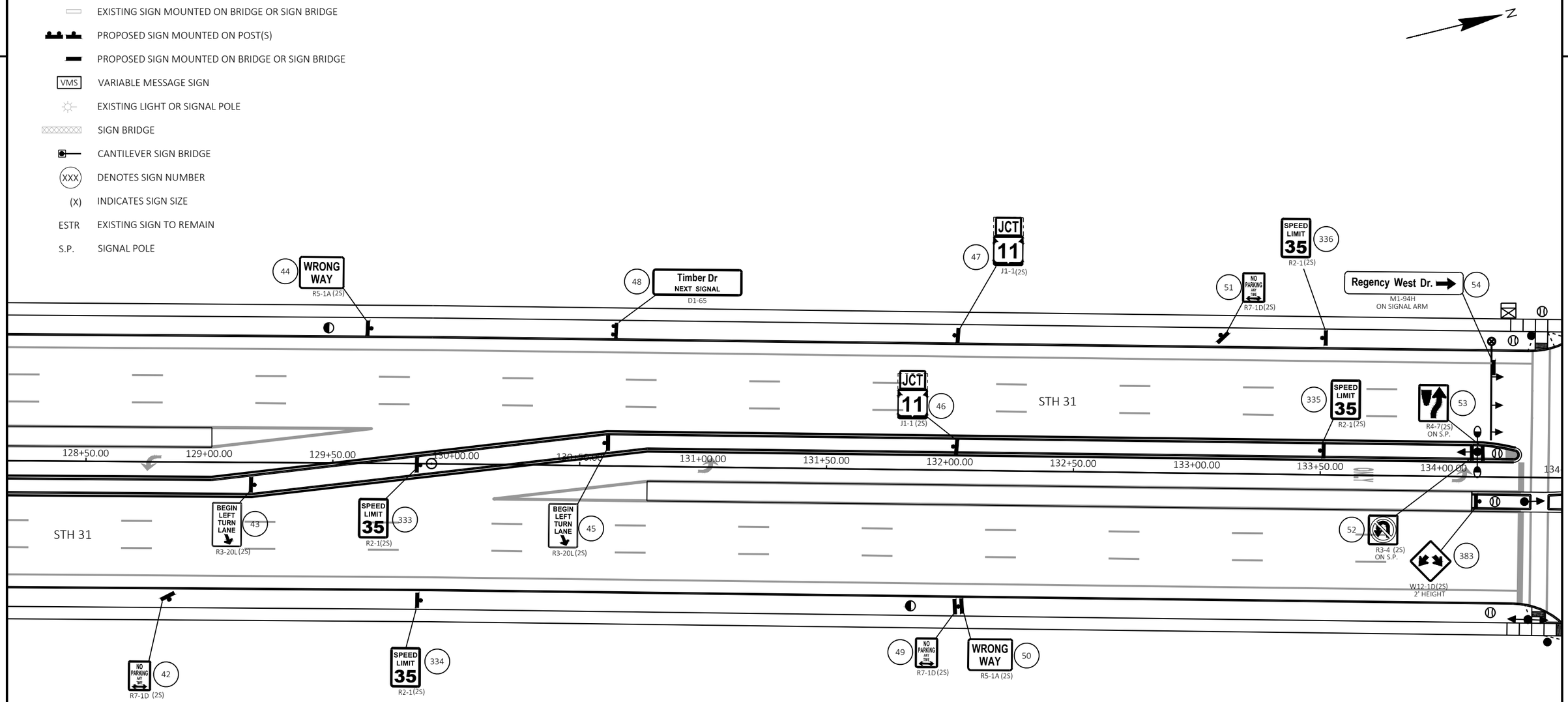
PLOT DATE : 3/17/2025 3:49 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 3 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 171	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 03

PLOT DATE : 3/17/2025 3:49 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE

N

REGENCY WEST DR

ONLY

59 STOP R1-1F(2M) ON S.P.

58 ONE WAY R6-2L (2S) ON S.P.

55 STOP R1-1F(2M) ON S.P.

63 31 S Green Bay Rd M1-94S ON SIGNAL ARM

72 NO PARKING ANY TIME R7-1D(2S)

75 WRONG WAY R5-1A(2S)

76 Regency West Dr NEXT SIGNAL D1-65

66 339 DO NOT ENTER R5-1(2S) ON S.P.

67 68 STOP R1-1F(2M) ON S.P.

384 W12-1D(2S) 2' HEIGHT

78 BEGIN LEFT TURN LANE R3-20L(2S)

STH 31

134+00.00 134+50.00 135+00.00 135+50.00 136+00.00 136+50.00 137+00.00 137+50.00 138+00.00 138+50.00 139+00.00 139+50.00 140+00

57 337 DO NOT ENTER R5-1 (2S) ON S.P.

60 31 S Green Bay Rd M1-94S ON SIGNAL ARM

70 R4-7(2S) ON S.P.

71 R3-4 (2S) ON S.P.

69 Regency West Dr. M1-94H ON SIGNAL ARM

77 BEGIN LEFT TURN LANE R3-20L(2S)

61 R4-7(2S)

56 STOP R1-1F(2M) ON S.P.

338 ONE WAY R6-2L(2S) ON S.P.

62 STOP R1-1F(2M)

TOW AWAY ZONE MOVE BY CITY

64 ONE WAY R6-2L (2S) ON S.P.

65 STOP R1-1F(2M) ON S.P.

73 NO PARKING ANY TIME R7-1D(2S)

74 WRONG WAY R5-1A (2S)

79 NO PARKING ANY TIME R7-1D(2S)

REGENCY MALL ENTRANCE NORTH

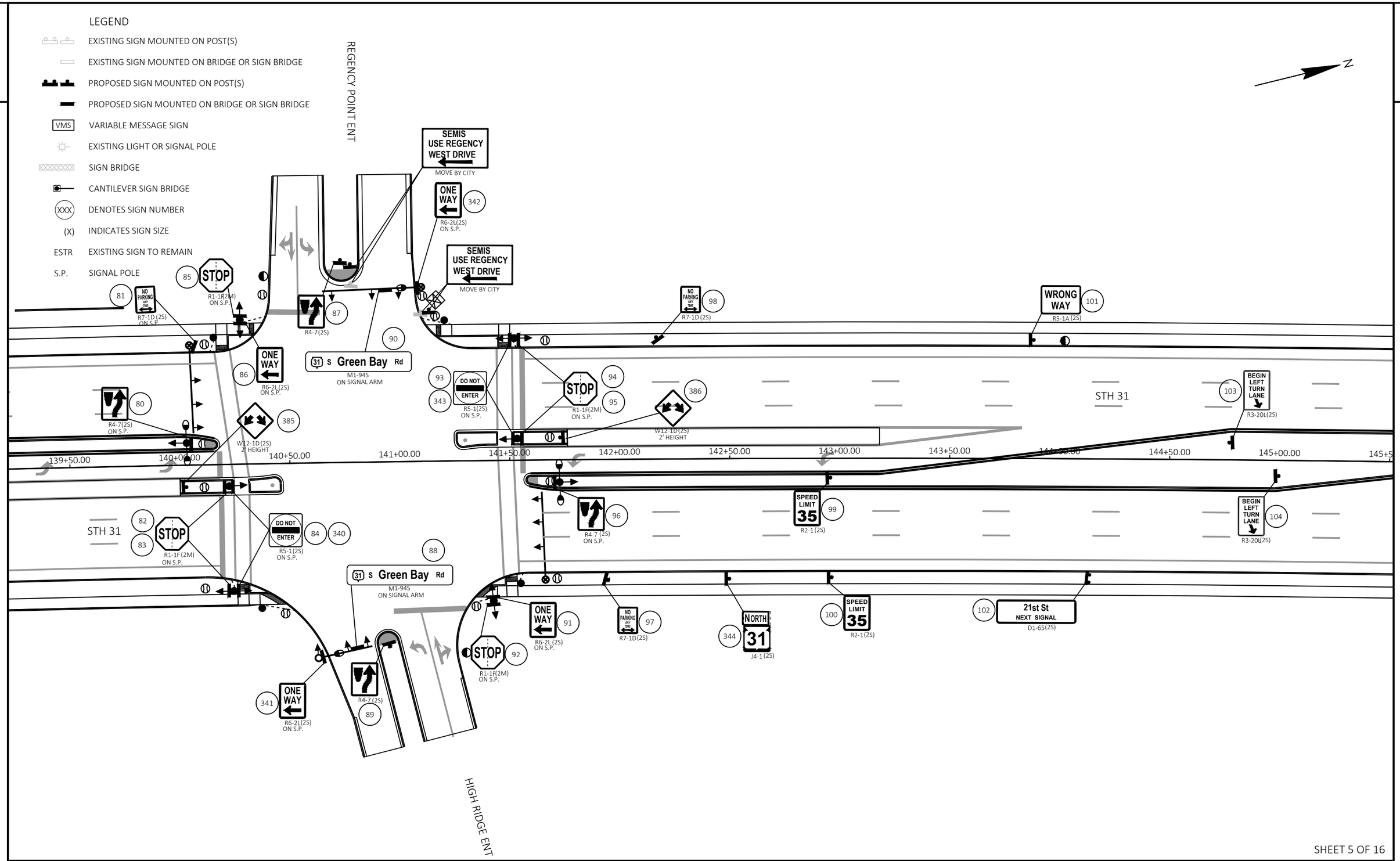
SHEET 4 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 172	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 04
PLOT DATE : 3/17/2025 3:49 PM
PLOT BY : ROGAHN, DOUG
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 5 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 173	E

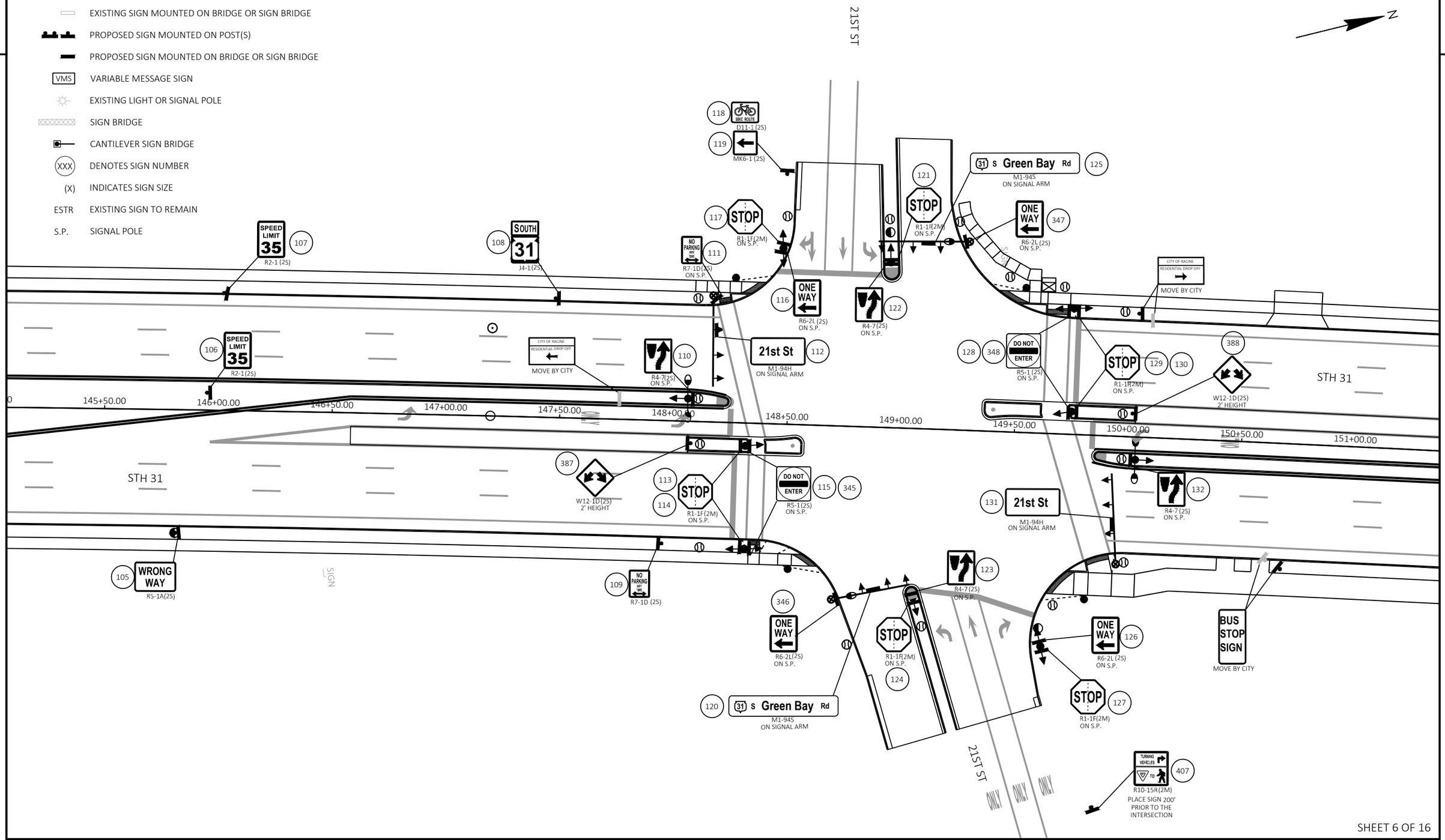
FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 05

PLOT DATE : 3/17/2025 3:49 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 6 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 174	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 06

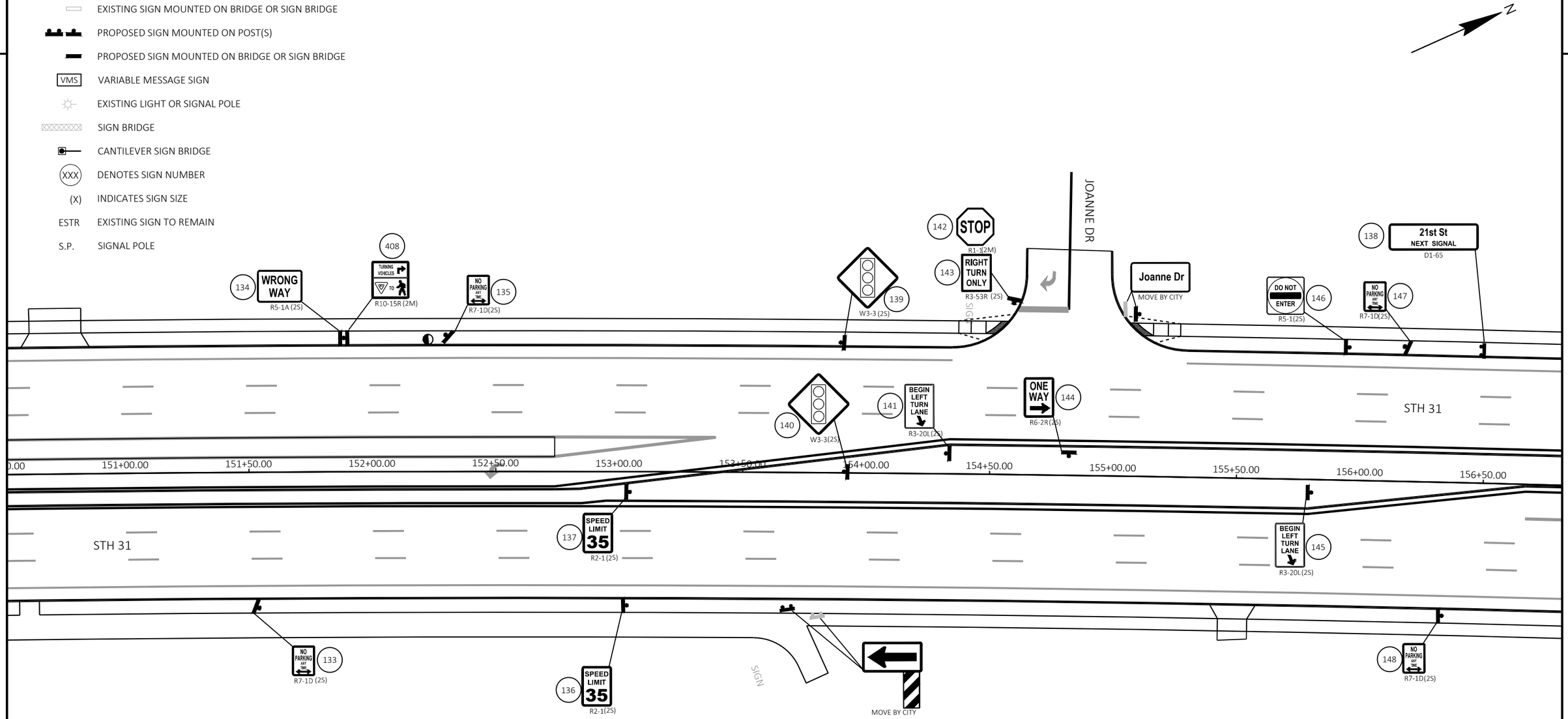
PLOT DATE : 4/23/2025 4:39 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 7 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 175	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 07

PLOT DATE : 4/23/2025 4:40 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE

N

MARGERY DR

STH 31

STH 31

CASTLE CT

150 SPEED LIMIT 35 R2-1(2S)

155 RIGHT TURN ONLY R3-53R(2S)

154 STOP R1-1(2M)

Margery Dr
MOVE BY CITY

163 DO NOT ENTER R5-1(2S)

165 NO PARKING ANY TIME R7-1D(2S)

168 WRONG WAY R5-1A(2S)

349 SOUTH 31 J4-1(2S)

152 R4-7(2S)

149 SPEED LIMIT 35 R2-1(2S)

153 R3-2(2S)

158 DO NOT ENTER R5-1(2S)

159 W5-53(2S) 2' HEIGHT

167 BEGIN LEFT TURN LANE R3-20L(2S)

156+50.00 157+00.00 157+50.00 158+00.00 158+50.00 159+00.00 159+50.00 160+00.00 160+50.00 161+00.00 161+50.00 162+00.00 162+50.00

151 ONE WAY R6-2R(2S)

156 W5-53(2S) 2' HEIGHT

157 DO NOT ENTER R5-1(2S) CENTER OF ISLAND

160 R4-7(2S)

161 R3-2(2S)

162 ONE WAY R6-2R(2S)

164 NO PARKING ANY TIME R7-1D(2S)

166 WRONG WAY R5-1A(2S)

389 W11-2(2S)

390 AHEAD W16-9P(2S)

169 DO NOT ENTER R5-1(2S)

Castle Ct

S Green Bay Rd
MOVE BY CITY

170 NO OUTLET W14-2(2S)

SHEET 8 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 176	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 08

PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE

N

SOUTH 31 J4-1

Greenleaf Blvd MOVE BY CITY

GREENLEAF BLVD

SUNSET BLVD

Sunset Blvd MOVE BY CITY

STH 31

CASTLE CT

BYRD AVE

Byrd Ave MOVE BY CITY

S Green Bay Rd MOVE BY CITY

162+00.00 162+50.00 163+00.00 163+50.00 164+00.00 164+50.00 165+00.00 165+50.00 166+00.00 166+50.00 167+00.00 167+50.00 168+00.00

171	DO NOT ENTER	R5-1 (2S)	CENTER OF ISLAND	
172		R4-7(2S)		
173	STOP	R1-1(2M)		
174	RIGHT TURN ONLY	R3-53R(2S)		
175		R4-7(2S)		
176		R3-2 (2S)		
177	ONE WAY	R6-2R(2S)		
178	NO PARKING ANY TIME	R7-1D(2S)		
179	STOP	R1-1(2M)		
180	RIGHT TURN ONLY	R3-53R(2S)		
181	ONE WAY	R6-2R(2S)		
182	NO PARKING ANY TIME	R7-1D(2S)		
183	SPEED LIMIT 35	R2-1(2S)		
184	DO NOT ENTER	R5-1 (2S)		
185	SPEED LIMIT 35	R2-1(2S)		
186	NO PARKING ANY TIME	R7-1D (2S)		
187	BEGIN LEFT TURN LANE	R3-20L (2S)		
188	BEGIN LEFT TURN LANE	R3-20L (2S)		
189	WRONG WAY	R5-1A (2S)		
190	WRONG WAY	R5-1A(2S)		
191	SPEED LIMIT 35	R2-1(2S)		
192	SPEED LIMIT 35	R2-1(2S)		
193	ONE WAY	R6-2R(2S)		
194		R4-7(2S)		
195		R3-2(2S)		
196	DO NOT ENTER	R5-1(2S)		
197		W5-53 (2S)	2' HEIGHT	
198	STOP	R1-1(2M)		
199	RIGHT TURN ONLY	R3-53R(2S)		
200	DO NOT ENTER	R5-1(2S)		
201	DO NOT ENTER	R5-1 (2S)		
202	STOP	R1-1(2M)		
203	RIGHT TURN ONLY	R3-53R (2S)		
204		W5-53(2S)	2' HEIGHT	
205	DO NOT ENTER	R5-1(2S)		
206		R4-7(2S)		
207		R3-2(2S)		
208	ONE WAY	R6-2R(2S)		
350	NORTH 31	J4-1(2S)		
351		W11-2(2S)		
352		W16-7L(2S)		
353		W11-2(2S)		
354		W16-7R(2S)		
355		W11-2(2S)		
356		W16-7R(2S)		
357		W11-2(2S)		
358		W16-7L(2S)		
406		R9-3A(2S)		
406A		R9-3BL(2S)		

SHEET 9 OF 16

PROJECT NO:	HWY:	COUNTY:		SHEET	
2390-12-70	STH 31	RACINE	PERMANENT SIGNING PLAN	177	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 09

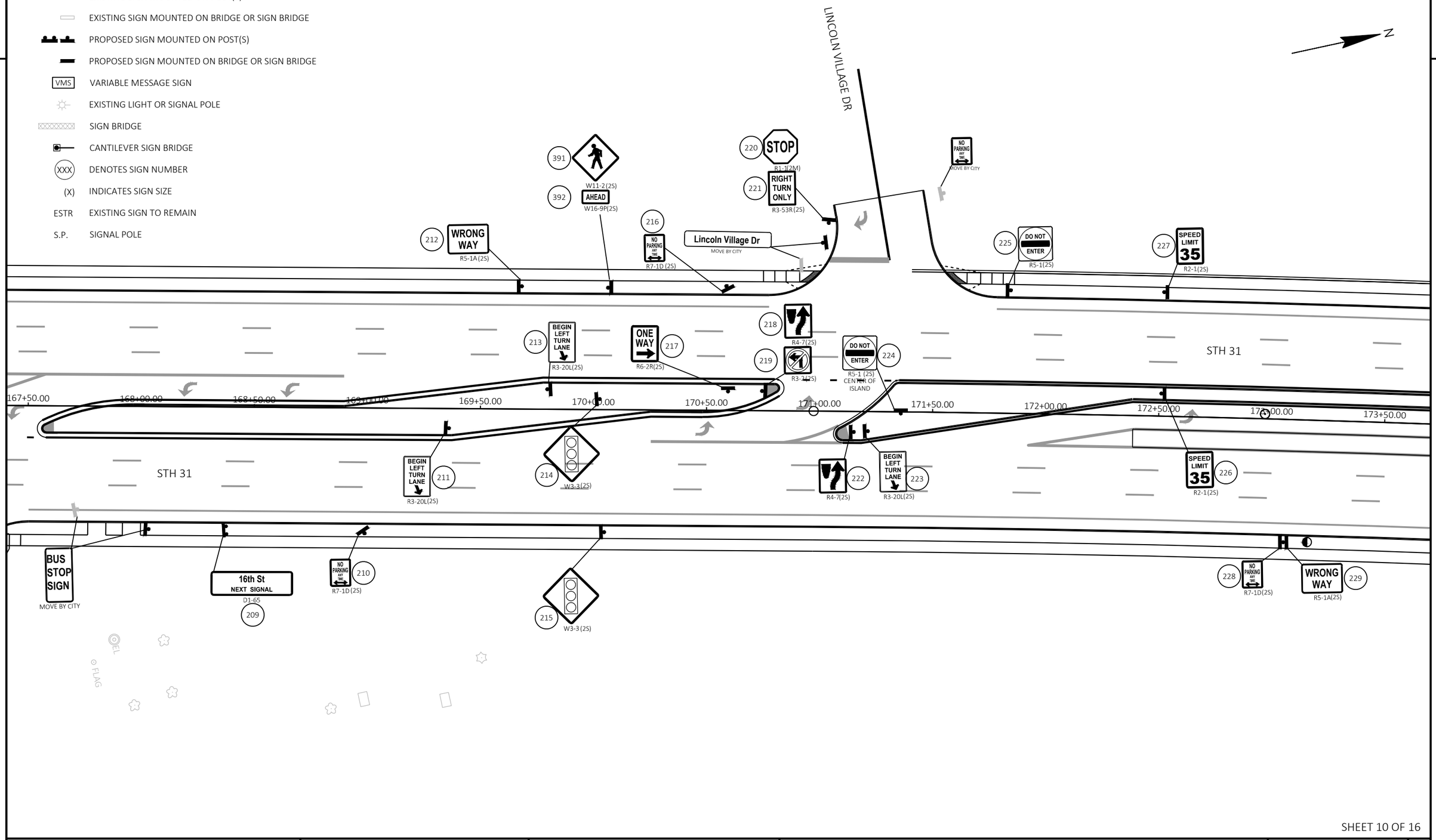
PLOT DATE : 3/28/2025 8:52 AM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 10 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 178	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 10

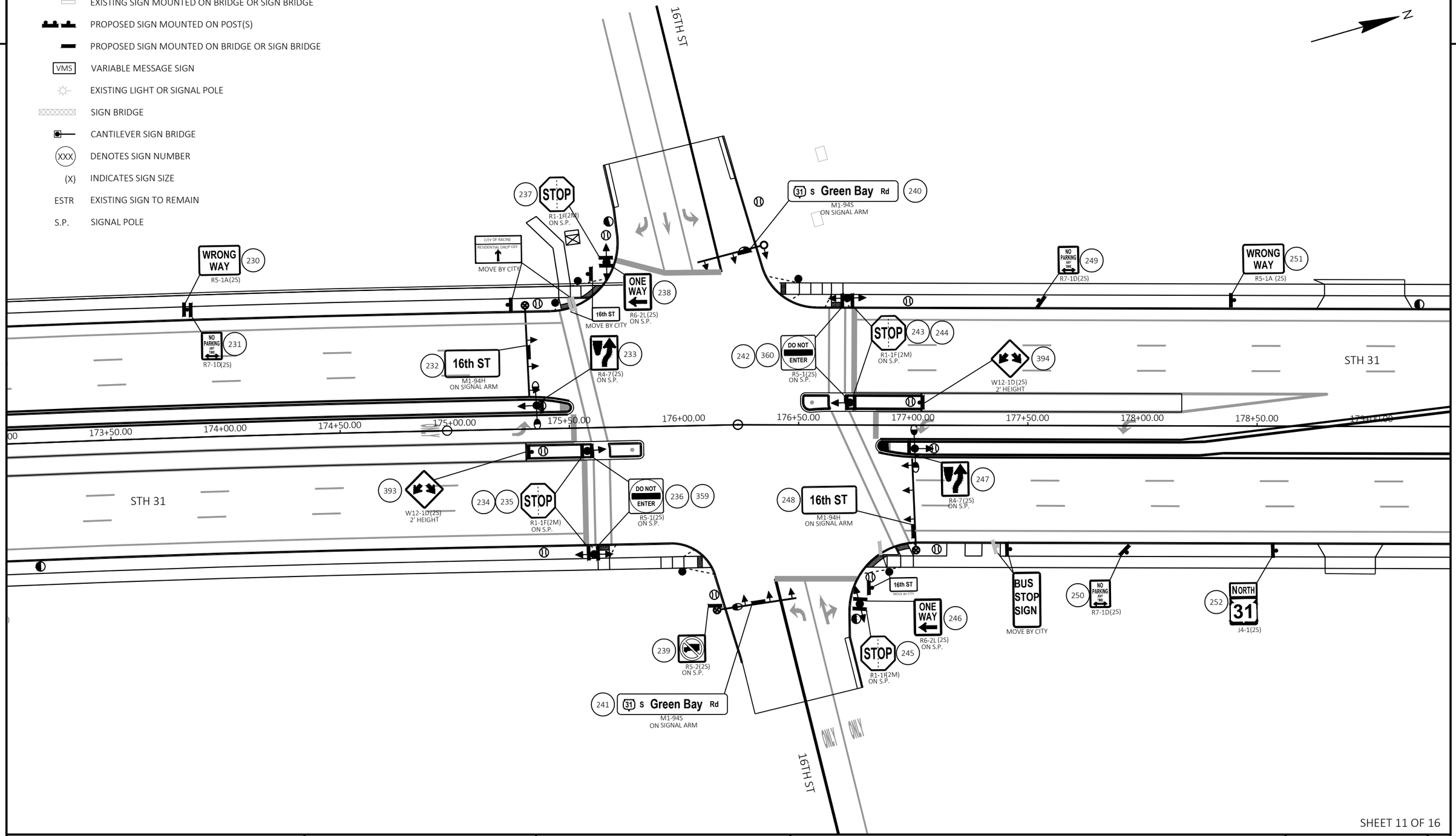
PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 11 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 179	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 11

PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE

N

15TH ST/HORIZON NORTH

STH 31

361 SOUTH 31 J4-1(2S)

258 W3-3(2S)

260 NO PARKING ANY TIME R7-1D(2S)

BUS STOP SIGN MOVE BY CITY

264 STOP R1-1(2M)

RIGHT TURN ONLY 265 R3-53R(2S)

256 16th St NEXT SIGNAL D1-65

15th St MOVE BY CITY

DO NOT ENTER 271 R5-1 (2S)

253 BEGIN LEFT TURN LANE R3-20L (2S)

259 W3-3(2S)

261 ONE WAY R6-2R(2S)

262 R4-7(2S)

263 R3-2(2S)

268 DO NOT ENTER R5-1(2S) CENTER OF ISLAND

179+00.00 179+50.00 180+00.00 180+50.00 181+00.00 181+50.00 182+00.00 182+50.00 183+00.00 183+50.00 184+00.00 184+50.00

255 SPEED LIMIT 35 R2-1(2S)

257 BEGIN LEFT TURN LANE R3-20L(2S)

267 R4-7(2S)

269 W3-3(2S)

272 BEGIN LEFT TURN LANE R3-20L(2S)

SIGN

LANDSCAPED AREA

254 SPEED LIMIT 35 R2-1(2S)

LANDSCAPED AREA

BUS STOP SIGN MOVE BY CITY

266 Wright Ave NEXT SIGNAL D1-65

270 W3-3 (2S)

SHEET 12 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 180	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 12

PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE

N

LANDSCAPED AREA

WRONG WAY 274 — R5-1A(2S)

NO PARKING ANY TIME 275 — R7-1D(2S)

283 STOP — R1-1F(2M) ON S.P.

ONE WAY 284 — R6-2L(2S) ON S.P.

31 S Green Bay Rd 286 — M1-94S ON SIGNAL ARM

294 NO PARKING ANY TIME — R7-1D (2S)

276 277 SPEED LIMIT 35 — R2-1(2S)

278 Wright Ave — M1-94H ON SIGNAL ARM

279 — R4-7(2S) ON S.P.

289 363 DO NOT ENTER — R5-1 (2S) ON S.P.

290 291 STOP — R1-1F(2M) ON S.P.

396 — W12-1D(2S) 2' HEIGHT

STH 31

188+00.00 188+50.00 189+00.00 189+50.00 190+00.00 190+50.00

395 — W12-1D(2S) 2' HEIGHT

280 281 STOP — R1-1F(2M) ON S.P.

282 362 DO NOT ENTER — R5-1 (2S) ON S.P.

292 Wright Ave — M1-94H ON SIGNAL ARM

293 — R4-7(2S) ON S.P.

SPEED LIMIT 35 364 365 — R2-1(2S)

STH 31

287 ONE WAY — R6-2L (2S) ON S.P.

Wright Ave / S Green Bay Rd — MOVE BY CITY

WRONG WAY 273 — R5-1A(2S)

295 Washington Ave NEXT SIGNAL — D1-65

285 31 S Green Bay Rd — M1-94S ON SIGNAL ARM

288 STOP — R1-1F (2S) ON S.P.

NO PARKING ANY TIME — MOVE BY CITY

SPEED LIMIT 25 — ESTR

NO PARKING ANY TIME — ESTR

WRIGHT AVE

SHEET 13 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 181	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 13

PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE

N

STH 31

190+50.00
191+00.00
191+50.00
192+00.00
192+50.00
193+00.00
193+50.00
194+00.00
194+50.00
195+00.00
195+50.00
196+00.00
196+50

296 WRONG WAY R5-1A

302 W3-3(2S)

SIGN

313 Wright Ave NEXT SIGNAL D1-65

SIGN

MOVE BY OTHERS
MOVE BY OTHERS

300 BEGIN LEFT TURN LANE R3-20L(2S)

301 W3-3(2S)

305 ONE WAY R6-2R(2S)

306 R4-7(2S)

307 R3-2(2S)

310 DO NOT ENTER R5-1 (2S) CENTER OF ISLAND

298 BEGIN LEFT TURN LANE R3-20L (2S)

299 NO PARKING ANY TIME R7-1D(2S)

304 W3-3(2S)

308 R4-7(2S)

309 WEST 20 J2-1(2S)

312 BEGIN LEFT TURN LANE R3-20L(2S)

STH 31

297 JCT 20 J1-1 (2S)

DOWNTOWN
LAKEFRONT
UPTOWN DISTRICT
CITY OF RACINE
MOVE BY CITY

303 W3-3(2S)

BUS STOP SIGN
MOVE BY CITY

NORTH 31 EAST 20 311 J2-2 (2S)

314 WRONG WAY R5-1A (2S)

SHEET 14 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 182	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 14

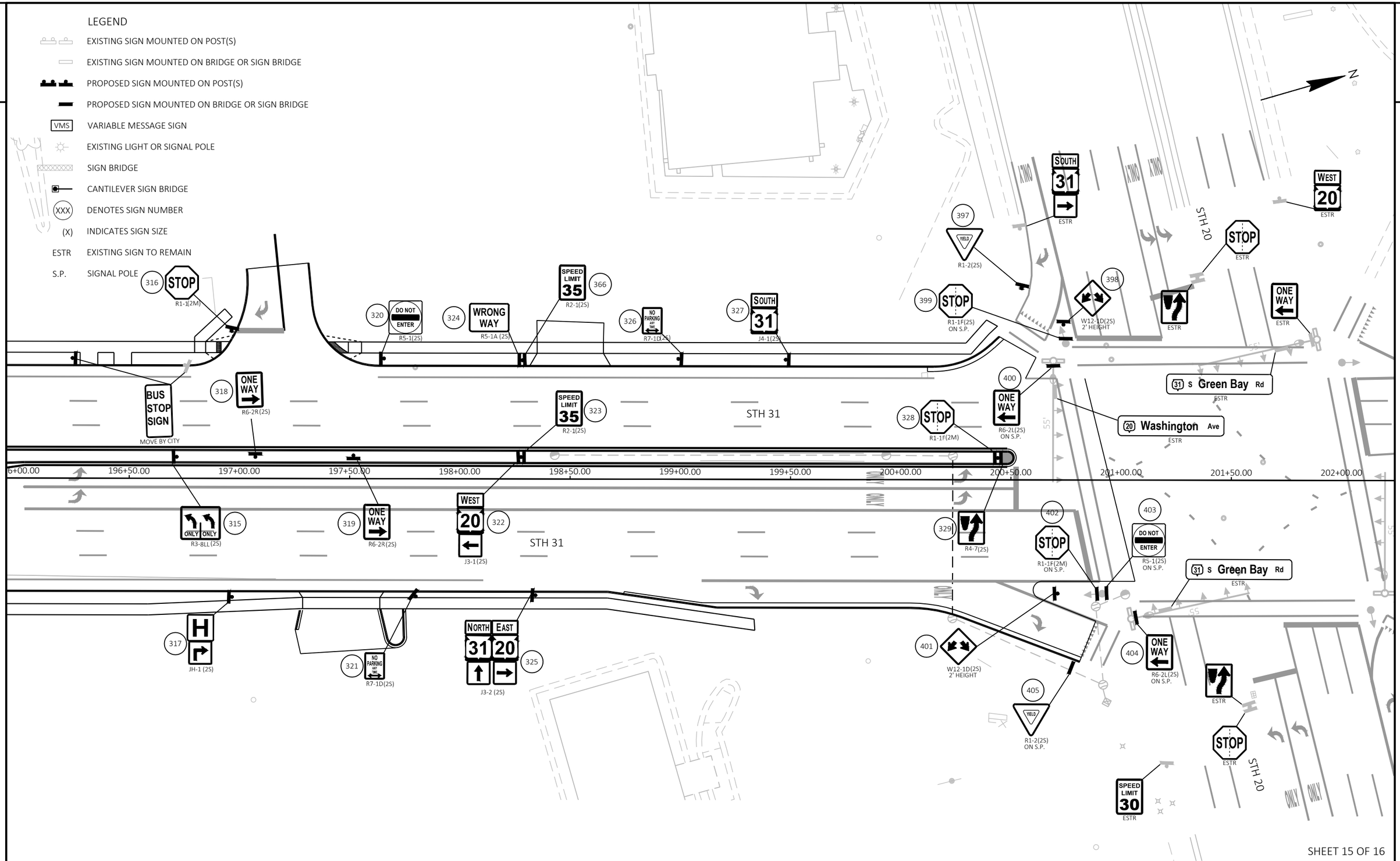
PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE



SHEET 15 OF 16

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 183	E

FILE NAME : X:\ML\2024\20240186-02\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 15

PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- S.P. — SIGNAL POLE

N

STH 20

STH 31

YIELD ESTR

DO NOT ENTER ESTR

STOP ESTR

ESTR

ONLY ESTR

ONLY ESTR

60.00 202+00.00 202+50.00 203+00.00 203+37.57

55'

STOP ESTR

20 Washington Ave ESTR

ONE WAY ESTR

DO NOT ENTER ESTR

STOP ESTR

YIELD ESTR

ESTR

NORTH 31 ESTR

SPEED LIMIT 35 ESTR

EAST 20 ESTR

STH 20

ONLY ONLY ONLY

RIPRAP

SHEET 16 OF 16

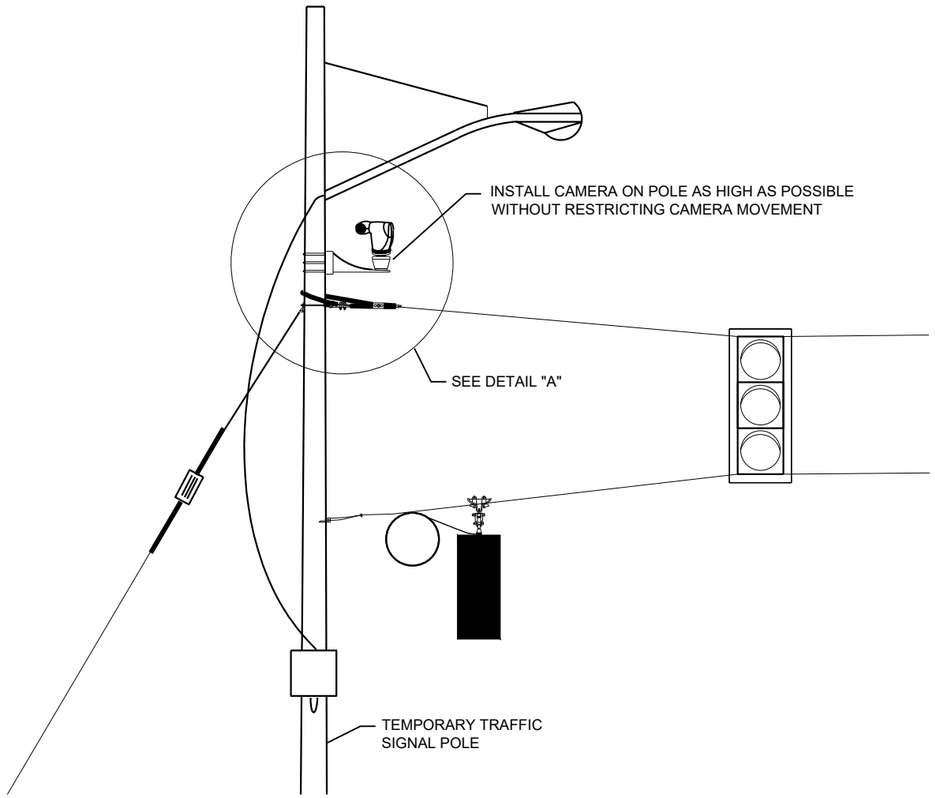
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 184	E

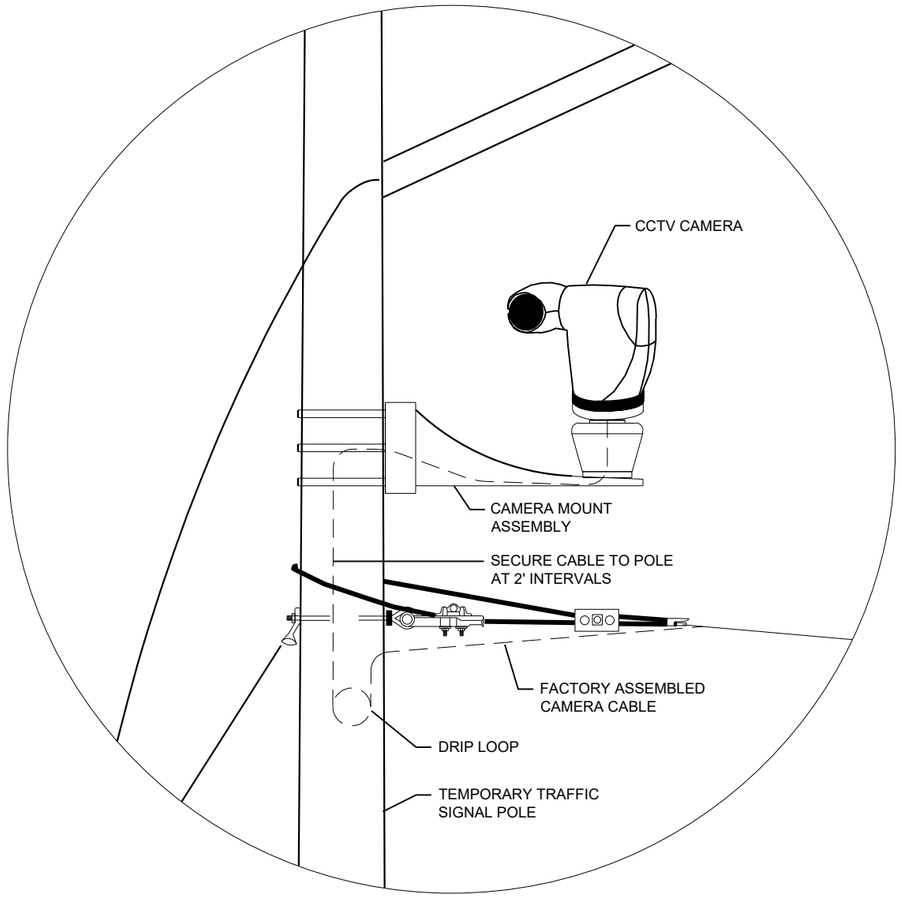
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LAYOUT NAME - 16

PLOT DATE : 3/17/2025 3:50 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



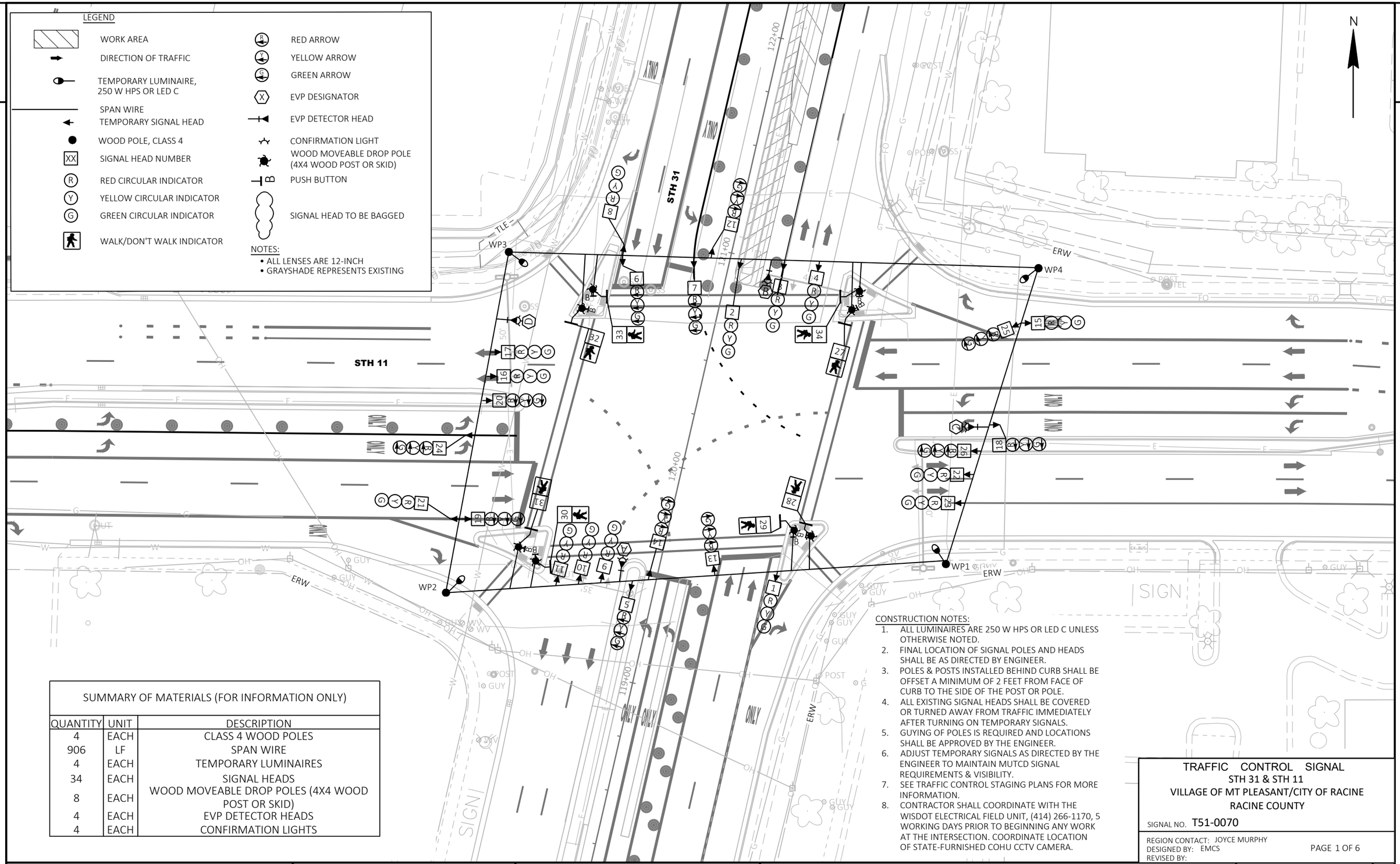


DETAIL "A"

CCTV MOUNTING DETAIL
(TEMPORARY TRAFFIC SIGNAL MOUNT)

NOT TO SCALE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL DETAILS	SHEET 185	E



SUMMARY OF MATERIALS (FOR INFORMATION ONLY)		
QUANTITY	UNIT	DESCRIPTION
4	EACH	CLASS 4 WOOD POLES
906	LF	SPAN WIRE
4	EACH	TEMPORARY LUMINAIRES
34	EACH	SIGNAL HEADS
8	EACH	WOOD MOVEABLE DROP POLES (4X4 WOOD POST OR SKID)
4	EACH	EVP DETECTOR HEADS
4	EACH	CONFIRMATION LIGHTS

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.

TRAFFIC CONTROL SIGNAL
STH 31 & STH 11
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0070

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 1	SHEET 186	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 11
PLOT DATE : 7/30/2025 8:49 AM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

STH 31

STH 11

WP1

WP2

WP3

WP4

ERW

TLE

ONLY

SIGN

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
8. FOR STAGE 2C COVER PEDESTRIAN SIGNAL HEADS 33, 34 AS PEDESTRIANS WILL BE DETOURED DURING THIS STAGE.

TRAFFIC CONTROL SIGNAL

STH 31 & STH 11

VILLAGE OF MT PLEASANT/CITY OF RACINE

RACINE COUNTY

SIGNAL NO. T51-0070

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 2A-2B-2C	SHEET 187	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 11 (2)
PLOT DATE : 7/30/2025 8:49 AM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

STH 31

STH 11

WP1

WP2

WP3

WP4

ERW

TLE

ONLY

SIGN

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.

TRAFFIC CONTROL SIGNAL

STH 31 & STH 11

VILLAGE OF MT PLEASANT/CITY OF RACINE

RACINE COUNTY

SIGNAL NO. T51-0070

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 3A-3B-3C	SHEET 188	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 11 (3)

PLOT DATE : 7/30/2025 8:50 AM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- B PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

STH 31
STH 11
WP1
WP2
WP3
WP4
ERW
TLE
ONLY
SIGN
120+00
119+00
117+00
N

CONSTRUCTION NOTES:
1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
8. FOR STAGE 4C COVER PEDESTRIAN SIGNAL HEADS 33, 34 AS PEDESTRIANS WILL BE DETOURED DURING THIS STAGE.

TRAFFIC CONTROL SIGNAL
STH 31 & STH 11
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0070

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

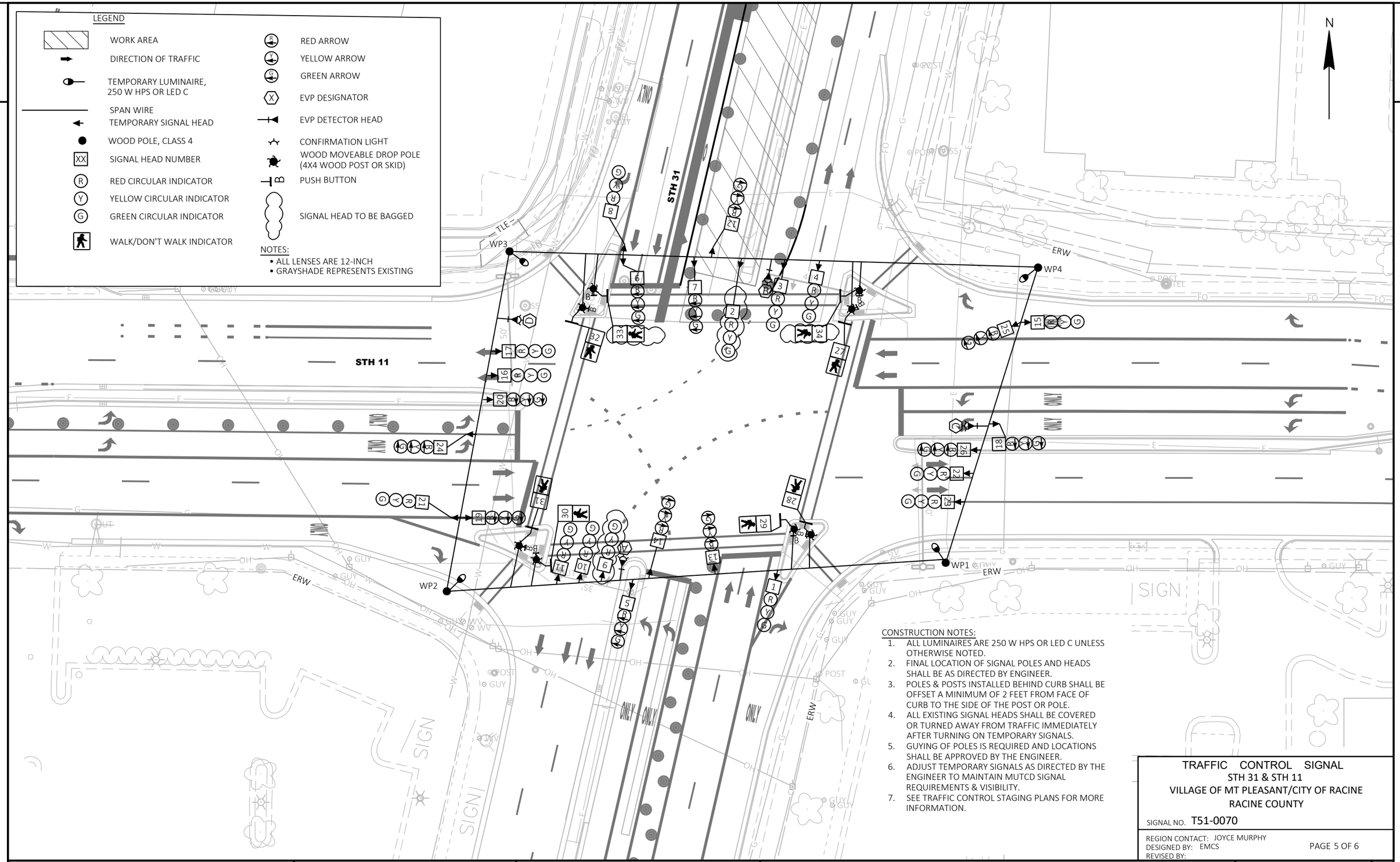
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 4A-4B-4C	SHEET 189	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 11 (4)
PLOT DATE : 7/30/2025 8:50 AM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- B PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:
1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.

TRAFFIC CONTROL SIGNAL
STH 31 & STH 11
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

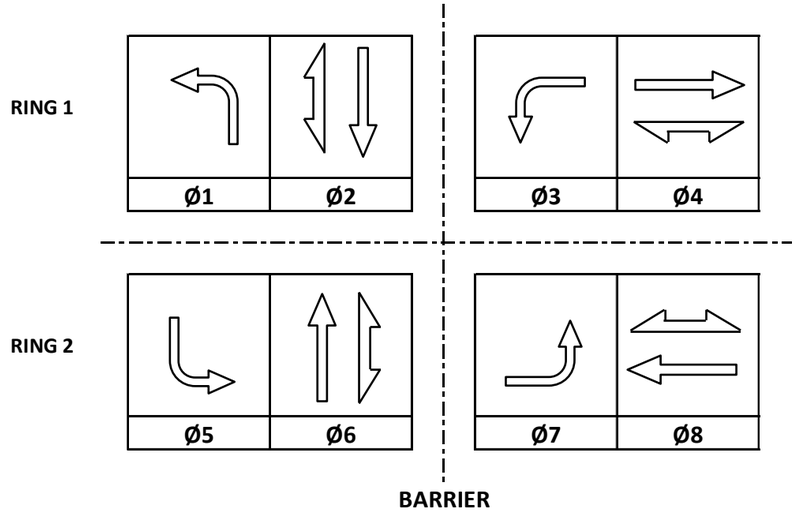
SIGNAL NO. T51-0070

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 5A-5B	SHEET 190	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 11 (5)
PLOT DATE : 7/30/2025 8:50 AM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	18,19,20	R
Ø4	21,22,23	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7	24,25,26	R
Ø8	15,16,17	R
Ø2P	31,32	
Ø4P	29,30	
Ø6P	27,28	
Ø8P	33,34	



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0037

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

N

GENERAL NOTES:

1. PHASES 3 (SBL) AND 7 (NBL) ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3	X	8	MAX	X
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

STH 31 & STH 11
VILLAGE OF MT PLEASANT/ CITY OF RACINE
RACINE COUNTY

SIGNAL NO: T51-0070 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: PAGE NUMBER: 6 OF 6

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- YA — YELLOW ARROW
- GA — GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.

N

TIMBER DR
STH 31
REGENCY MALL S DWY
ASPHALT
CONCRETE RUMBLE STRIP
LANDSCAPED AREA
R/W
TLE
WP1
WP2
WP3
WP4
124+00
125+00
126+00
127+00
128+00
129+00

SUMMARY OF MATERIALS (FOR INFORMATION ONLY)		
QUANTITY	UNIT	DESCRIPTION
4	EA	CLASS 4 WOOD POLES
535	LF	SPAN WIRE
4	EA	TEMPORARY LUMINAIRES LED C
25	EA	SIGNAL HEADS
4	EA	TEMOPORARY INFRARED EVP DETECTOR HEADS

TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S DWY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0282

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE / POST CONSTRUCTION	SHEET 192	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - Timber
PLOT DATE : 7/10/2025 9:22 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

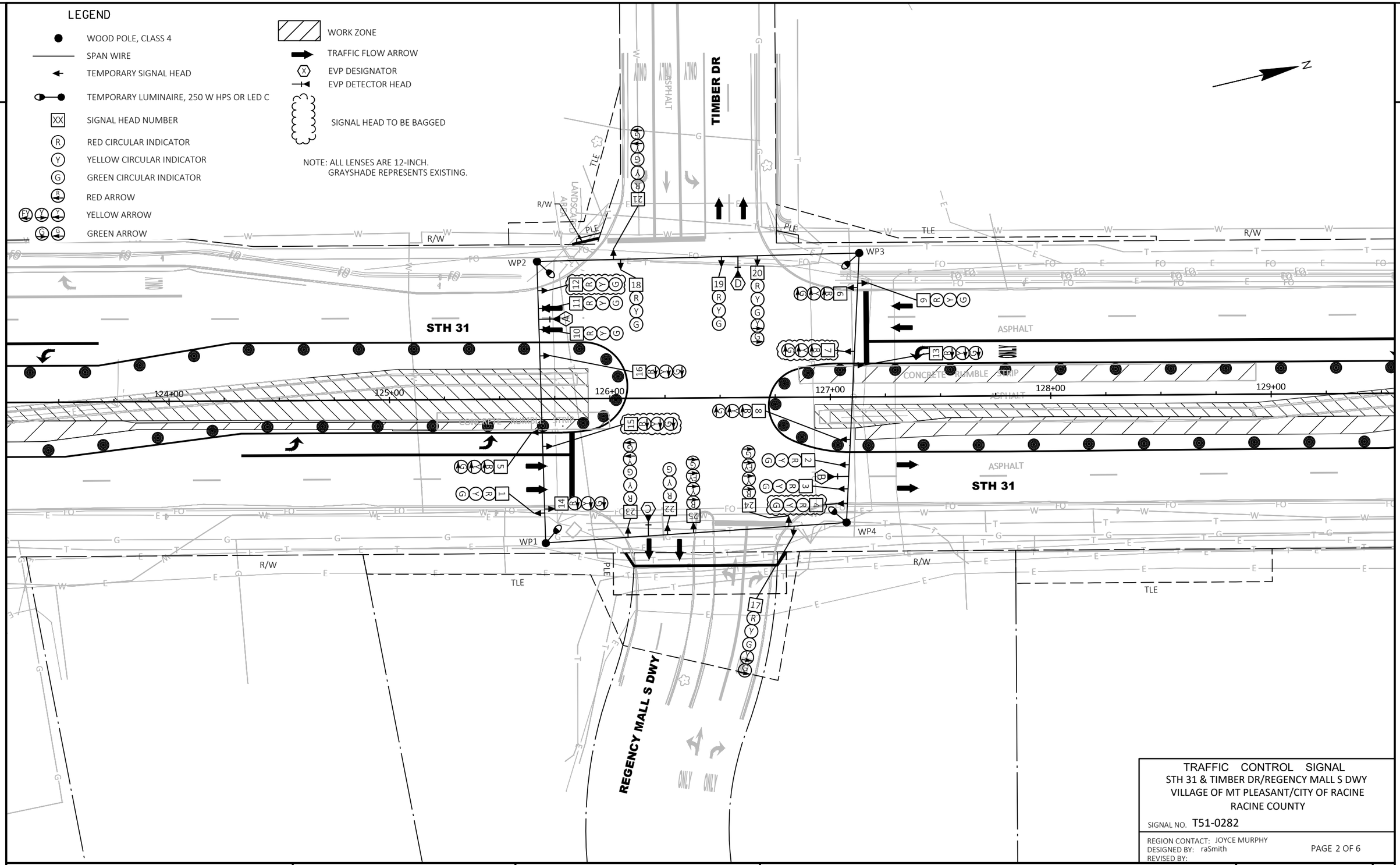
WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S DWY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0282

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 193	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024102-ST-1.DWG
LAYOUT NAME - Timber

PLOT DATE : 7/10/2025 9:24 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR REGENCY MALL SOUTH DRIVEWAY WHEN DRIVEWAY IS OPEN. BAG SIGNAL HEADS WHEN DRIVEWAY IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 2A	STAGE 2B
REGENCY MALL SOUTH DWY - OPEN	REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - CLOSED	REGENCY MALL NORTH DWY - OPEN
SIGNAL HEADS 17, 18, 19, & 20 SHALL BE UNBAGGED	SIGNAL HEADS 17, 18, 19, & 20 SHALL BE BAGGED

N

TIMBER DR

STH 31

REGENCY MALL S DWY

WP1 WP2 WP3 WP4

R/W TLE

ASPHALT

CONCRETE RUMBLE STRIP

LANDSCAPED AREA

124+00 125+00 126+00 127+00 128+00 129+00

TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S DWY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0282

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A-2C	SHEET 194	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024103-ST-2A-2C.DWG
LAYOUT NAME - Timber

PLOT DATE : 7/10/2025 9:26 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- FY, Y — YELLOW ARROW
- G, G — GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 3C1	STAGE 3C2
REGENCY MALL SOUTH DWY - OPEN REGENCY MALL NORTH DWY - CLOSED	REGENCY MALL SOUTH DWY - CLOSED REGENCY MALL NORTH DWY - OPEN
SIGNAL HEADS 17, 18, 19, & 20 SHALL BE UNBAGGED	SIGNAL HEADS 17, 18, 19, & 20 SHALL BE BAGGED
STAGE 5A1/5B1	**STAGE 5A2/5B2**
TIMBER DR - OPEN REGENCY WEST DR - CLOSED	TIMBER DR - CLOSED REGENCY WEST DR - OPEN
SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE UNBAGGED	SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE BAGGED

N

TIMBER DR
STH 31
REGENCY MALL S DWY
ONLY
ASPHALT
CONCRETE RUMBLE STRIP
LANDSCAPED AREA
WP1
WP2
WP3
WP4
R/W
TLE
PLE
124+00
125+00
126+00
127+00
128+00
129+00

TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S DWY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0282

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A-3C & STAGE 5A-5B	SHEET 195	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024105-ST-5A-5B.DWG
LAYOUT NAME - Timber
PLOT DATE : 7/10/2025 9:29 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR TIMBER DR WHEN ROADWAY IS OPEN. BAG SIGNAL HEADS WHEN DRIVEWAY IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 4A
TIMBER DR - OPEN
REGENCY WEST DR - CLOSED

SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE UNBAGGED.

STAGE 4B
TIMBER DR - CLOSED
REGENCY WEST DR - OPEN

SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE BAGGED.

N

TIMBER DR
ONLY
ONLY
ONLY
STH 31
CONCRETE RUMBLE STRIP
ASPHALT
LANDSCAPE AREA
TLE
PLE
R/W
WP1
WP2
WP3
WP4
124+00
125+00
126+00
127+00
128+00
129+00
REGENCY MALL S DWY
ONLY
ONLY

TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S DWY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0282

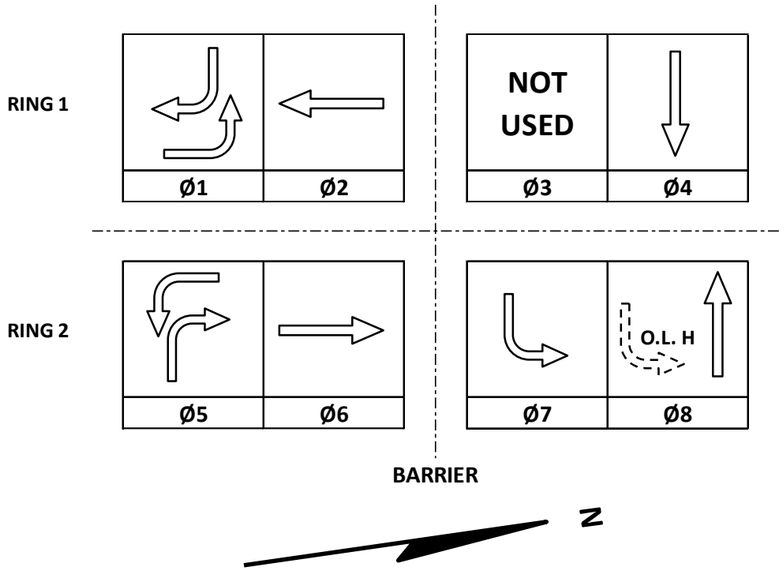
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 5 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A-4C	SHEET 196	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024104-ST-4A-4C.DWG
LAYOUT NAME - Timber
PLOT DATE : 7/10/2025 9:32 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7,8,21,23	R ↩
Ø2	9,10,11,12	R
Ø3		
Ø4	21,22,23	R
Ø5	13,14,15,16,17,20	R ↩
Ø6	1,2,3,4	R
Ø7	24,25	R ↩
Ø8	17,18,19,20	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH	24,25	-



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3				
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. PHASE 5 WILL BE OMITTED DURING CONSTRUCTION STAGES 2B, 5A, & 5B. PHASE 1 WILL BE OMITTED DURING CONSTRUCTION STAGES 4B, 5A, & 5B.
2. PHASES 1 AND 5 ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.

STH 31 & TIMBER DR/REGENCY MALL S ENTRANCE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO:	T51-0282	CABINET TYPE:	TEMP
		CONTROLLER TYPE:	TEMP
DATE:	8/2025	PAGE NUMBER:	6 OF 6

FILE NAME: \\WKERTOVFILPI01\n3public\SPO\Operations\Signals\Resources\Design\Sequence of Ops Templates\TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT DATE: ######## PLOT NAME: TS2-S_E_FYA_EFGH_Ecor PLOT BY: _____ PLOT SCALE: 1:1

2

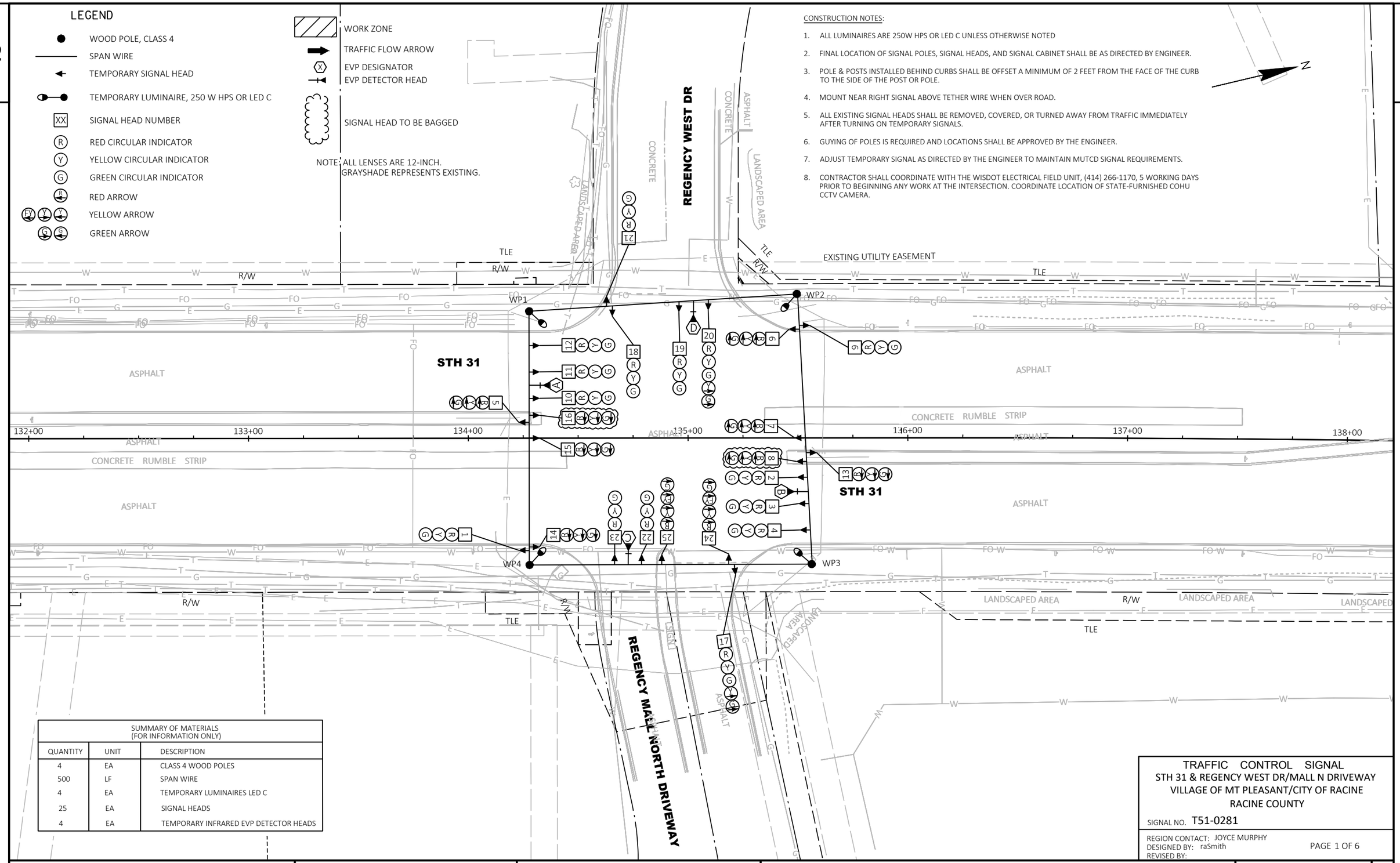
LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- FY, YA — YELLOW ARROW
- GA — GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.



SUMMARY OF MATERIALS (FOR INFORMATION ONLY)		
QUANTITY	UNIT	DESCRIPTION
4	EA	CLASS 4 WOOD POLES
500	LF	SPAN WIRE
4	EA	TEMPORARY LUMINAIRES LED C
25	EA	SIGNAL HEADS
4	EA	TEMPORARY INFRARED EVP DETECTOR HEADS

TRAFFIC CONTROL SIGNAL
STH 31 & REGENCY WEST DR/MALL N DRIVEWAY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0281

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE / POST CONSTRUCTION	SHEET 198	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - RegencyW
PLOT DATE : 7/10/2025 9:34 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

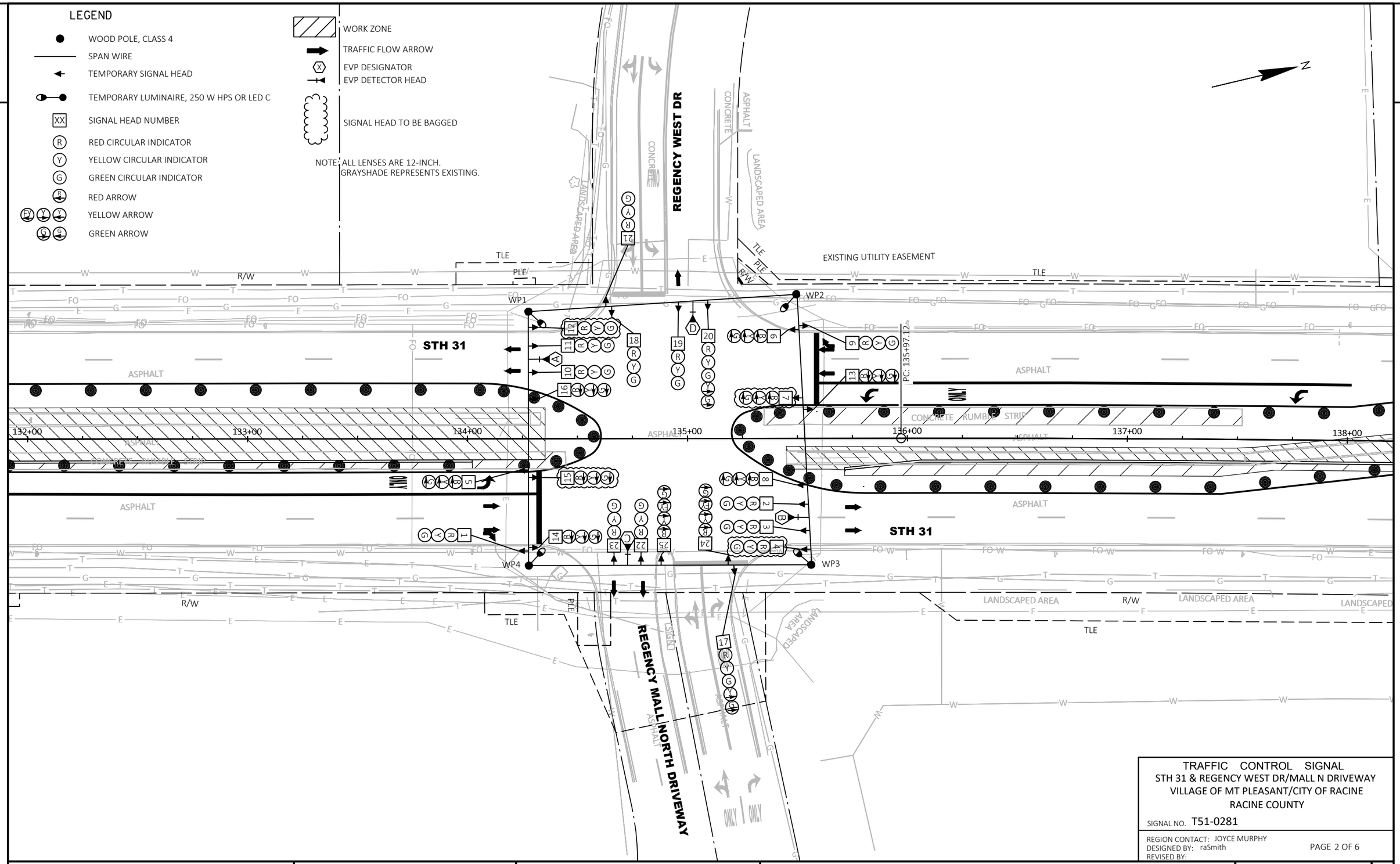
2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- FY YELLOW ARROW
- FG GREEN ARROW

- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & REGENCY WEST DR/MALL N DRIVEWAY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0281

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 199	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024102-ST-1.DWG
LAYOUT NAME - RegencyW

PLOT DATE : 7/10/2025 9:36 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- FY, YA — YELLOW ARROW
- G, GA — GREEN ARROW

- WORK ZONE
- TRAFFIC FLOW ARROW
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR REGENCY MALL NORTH DRIVEWAY WHEN DRIVEWAY IS OPEN. BAG SIGNAL HEADS WHEN DRIVEWAY IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 2A
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED

SIGNAL HEADS 17, 18, 19, & 20 SHALL BE BAGGED.

STAGE 2B
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN

SIGNAL HEADS 17, 18, 19, & 20 SHALL BE UNBAGGED.

N

REGENCY WEST DR

STH 31

WP1 WP2 WP3 WP4

TLE R/W

EXISTING UTILITY EASEMENT

PC: 135+97.12

132+00 133+00 134+00 135+00 136+00 137+00 138+00

ASPHALT CONCRETE RUMBLE STRIP LANDSCAPED AREA

REGENCY MALL NORTH DRIVEWAY

ONLY

TRAFFIC CONTROL SIGNAL
STH 31 & REGENCY WEST DR/MALL N DRIVEWAY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0281

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A-2C	SHEET 200	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024103-ST-2A-2C.DWG
LAYOUT NAME - RegencyW

PLOT DATE : 7/10/2025 9:39 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 3C1
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED

SIGNAL HEADS 17, 18, 19, & 20 SHALL BE BAGGED

STAGE 3C2
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN

SIGNAL HEADS 17, 18, 19, & 20 SHALL BE UNBAGGED

STAGE 5A1/5B1
TIMBER DR - OPEN
REGENCY WEST DR - CLOSED

SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE BAGGED

STAGE 5A2/5B2
TIMBER DR - CLOSED
REGENCY WEST DR - OPEN

SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE UNBAGGED

N

REGENCY WEST DR
STH 31
REGENCY MALL NORTH DRIVEWAY
ONLY
ONLY
WP1
WP2
WP3
WP4
TLE
PLE
R/W
EXISTING UTILITY EASEMENT
ASPHALT
CONCRETE
CONCRETE RUMBLE STRIP
LANDSCAPED AREA
132+00
133+00
134+00
135+00
136+00
137+00
138+00

TRAFFIC CONTROL SIGNAL
STH 31 & REGENCY WEST DR/MALL N DRIVEWAY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0281

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A-3C & STAGE 5A-5B	SHEET 201	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024105-ST-5A-5B.DWG
LAYOUT NAME - RegencyW

PLOT DATE : 7/10/2025 9:41 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR REGENCY WEST DR WHEN ROADWAY IS OPEN. BAG SIGNAL HEADS WHEN ROADWAY IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 4A
TIMBER DR - OPEN
REGENCY WEST DR - CLOSED

SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE BAGGED.

STAGE 4B
TIMBER DR - CLOSED
REGENCY WEST DR - OPEN

SIGNAL HEADS 21, 22, 23, 24, & 25 SHALL BE UNBAGGED.

N

REGENCY WEST DR
STH 31
REGENCY MALL NORTH DRIVEWAY
EXISTING UTILITY EASEMENT
WP1
WP2
WP3
WP4
PC: 135+97.12
TLE
R/W
PLE
ASPHALT
CONCRETE RUMBLE STRIP
LANDSCAPED AREA
132+00
133+00
134+00
135+00
136+00
137+00
138+00

TRAFFIC CONTROL SIGNAL
STH 31 & REGENCY WEST DR/MALL N DRIVEWAY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0281

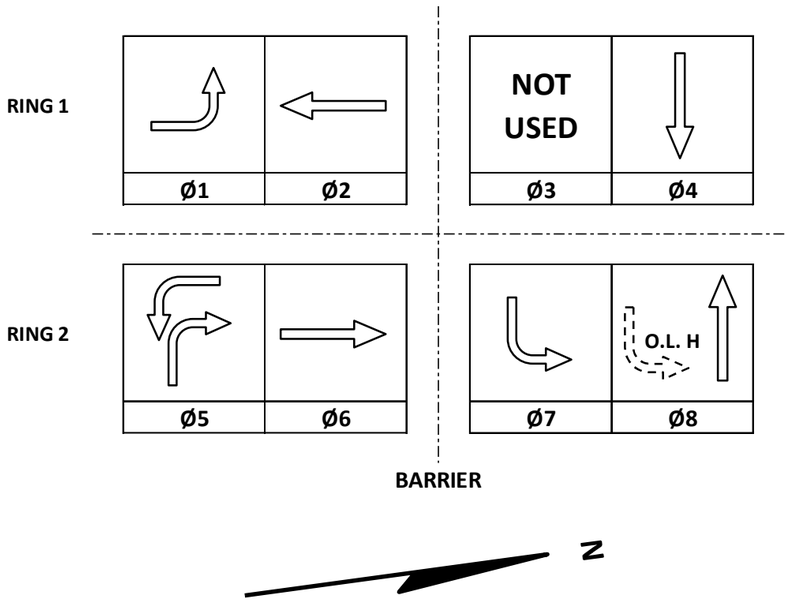
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 5 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A-4C	SHEET 202	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024104-ST-4A-4C.DWG
LAYOUT NAME - RegencyW
PLOT DATE : 7/10/2025 9:44 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7,8	R ←
Ø2	9,10,11,12	R
Ø3		
Ø4	21,22,23	R
Ø5	13,14,15,16,17,20	R ←
Ø6	1,2,3,4	R
Ø7	24,25	R ←
Ø8	17,18,19,20	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH	24,25	-



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3				
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. PHASES 1 AND 5 ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.
2. PHASE 1 WILL BE OMITTED DURING CONSTRUCTION STAGES 4 & 5. PHASE 5 WILL BE OMITTED DURING CONSTRUCTION STAGES 2 &5.

STH 31 & REGENCY WEST DR/MALL N DRIVEWAY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO:	T51-0281	CABINET TYPE:	TEMP
		CONTROLLER TYPE:	TEMP
DATE:	8/2025	PAGE NUMBER:	6 OF 6

FILE NAME: \\WKERTOVFILP101\n3public\SPO\Operations\Signals\Resources\Design\Sequence of Ops Templates\TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT DATE: ######## PLOT NAME: TS2-S_E_FYA_EFGH_Ecor PLOT BY: _____ PLOT SCALE: 1:1

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- FY / Y — YELLOW ARROW
- G — GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.

N

REGENCY POINT ENTRANCE

HIGH RIDGE ENTRANCE

STH 31

STH 31

WP1

WP2

138+00 139+00 140+00 141+00 142+00 143+00 144+00

ASPHALT
CONCRETE RUMBLE STRIP
LANDSCAPED AREA
TLE
R/W

SUMMARY OF MATERIALS (FOR INFORMATION ONLY)		
QUANTITY	UNIT	DESCRIPTION
4	EA	CLASS 4 WOOD POLES
515	LF	SPAN WIRE
4	EA	TEMPORARY LUMINAIRES LED C
22	EA	SIGNAL HEADS
4	EA	TEMPORARY INFRARED EVP DETECTOR HEADS

TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE / POST CONSTRUCTION	SHEET 204	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - HighRidge

PLOT DATE : 7/10/2025 9:46 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

N

REGENCY POINT ENTRANCE

HIGH RIDGE ENTRANCE

STH 31

STH 31

WP1

WP2

WP3

WP4

TLE

R/W

PLE

ASPHALT

LANDSCAPED AREA

CONCRETE RUMBLE STRIP

138+00

139+00

140+00

141+00

142+00

143+00

144+00

TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 205	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024102-ST-1.DWG
LAYOUT NAME - HighRidge

PLOT DATE : 7/10/2025 9:48 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- PY YELLOW ARROW
- G GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR HIGH RIDGE ENTRANCE WHEN DRIVEWAY IS OPEN. BAG SIGNAL HEADS WHEN DRIVEWAY IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 2A	STAGE 2B
HIGH RIDGE ENTRANCE - CLOSED	HIGH RIDGE ENTRANCE - OPEN
21ST STREET - OPEN	21ST STREET - CLOSED
SIGNAL HEADS 17, 18, 19, 20, & 21 SHALL BE BAGGED.	SIGNAL HEADS 17, 18, 19, 20, & 21 SHALL BE UNBAGGED.

N

REGENCY POINT ENTRANCE

HIGH RIDGE ENTRANCE

STH 31

STH 31

WP1

WP2

WP3

WP4

R/W

TLE

PLE

ASPHALT

CONCRETE RUMBLE STRIP

LANDSCAPED AREA

138+00 139+00 140+00 141+00 142+00 143+00 144+00

TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A-2C	SHEET 206	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024103-ST-2A-2C.DWG
LAYOUT NAME - HighRidge

PLOT DATE : 7/10/2025 9:52 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 3C1
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

SIGNAL HEADS 17, 18, & 19 SHALL BE BAGGED

STAGE 3C2
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

SIGNAL HEADS 17, 18, & 19 SHALL BE UNBAGGED

STAGE 5A1/5B1
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

SIGNAL HEADS 22, 23, & 24 SHALL BE BAGGED

STAGE 5A2/5B2
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

SIGNAL HEADS 22, 23, & 24 SHALL BE UNBAGGED

N

REGENCY POINT ENTRANCE
HIGH RIDGE ENTRANCE
STH 31
ASPHALT
CONCRETE RUMBLE STRIP
LANDSCAPED AREA
TLE
R/W
PLE
WP1
WP2
WP3
WP4
138+00
139+00
140+00
141+00
142+00
143+00
144+00

TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A-3C & 5A-5B	SHEET 207	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024105-ST-5A-5B.DWG
LAYOUT NAME - HighRidge
PLOT DATE : 7/10/2025 9:54 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR REGENCY POINT ENTRANCE WHEN DRIVEWAY IS OPEN. BAG SIGNAL HEADS WHEN DRIVEWAY IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 4A
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

SIGNAL HEADS 22, 23, 24, 25, & 26 SHALL BE BAGGED.

STAGE 4B
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

SIGNAL HEADS 22, 23, 24, 25, & 26 SHALL BE UNBAGGED.

N

REGENCY POINT ENTRANCE

HIGH RIDGE ENTRANCE

STH 31

CONCRETE RUMBLE STRIP

ASPHALT

LANDSCAPED AREA

TLE

R/W

PLE

WP1

WP2

WP3

WP4

138+00 139+00 140+00 141+00 142+00 143+00 144+00

TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 5 OF 6

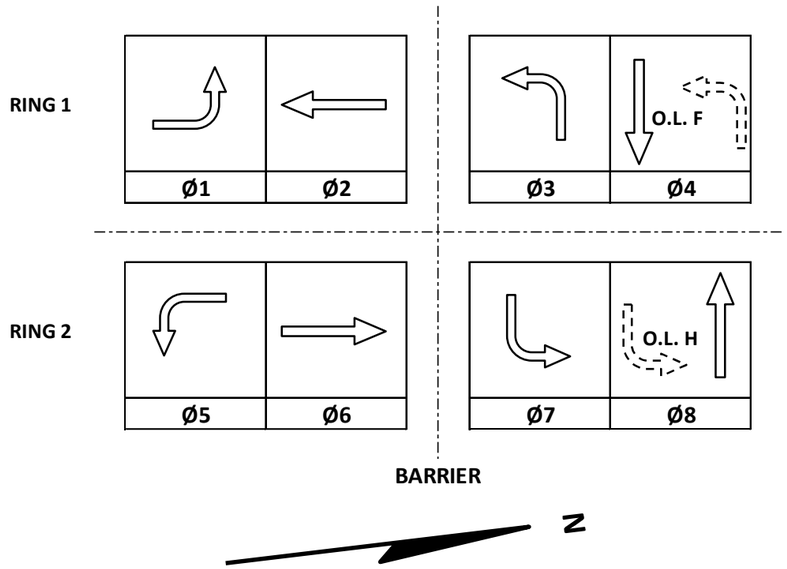
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A-4C	SHEET 208	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024104-ST-4A-4C.DWG
LAYOUT NAME - HighRidge

PLOT DATE : 7/10/2025 9:57 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7,8	R ←
Ø2	9,10,11,12	R
Ø3	20,21	R ←
Ø4	22,23,24	R
Ø5	13,14,15,16	R ←
Ø6	1,2,3,4	R
Ø7	25,26	R ←
Ø8	17,18,19	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF	20,21	-
OLG		
OLH	25,26	-



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3	X	8	MAX	X
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. PHASES 1 AND 5 ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.
2. PHASE 1 WILL BE OMITTED DURING CONSTRUCTION PHASES 4 & 5. PHASE 5 WILL BE OMITTED DURING CONSTRUCTION STAGES 2 & 5.

STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO:	T51-0467	CABINET TYPE: TEMP
		CONTROLLER TYPE: TEMP
DATE:	8/2025	PAGE NUMBER: 6 OF 6

FILE NAME: \\rasmith.com\Brookfield\Transportation\1192700\Traffic\Signal Design\Sequence of Operations\High Ridge_Regency Point\Temp\TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT DATE: 7/29/2025 PLOT NAME: TS2-S_E_FYA_EFGH_Econ PLOT BY: _____ PLOT SCALE: 1:1

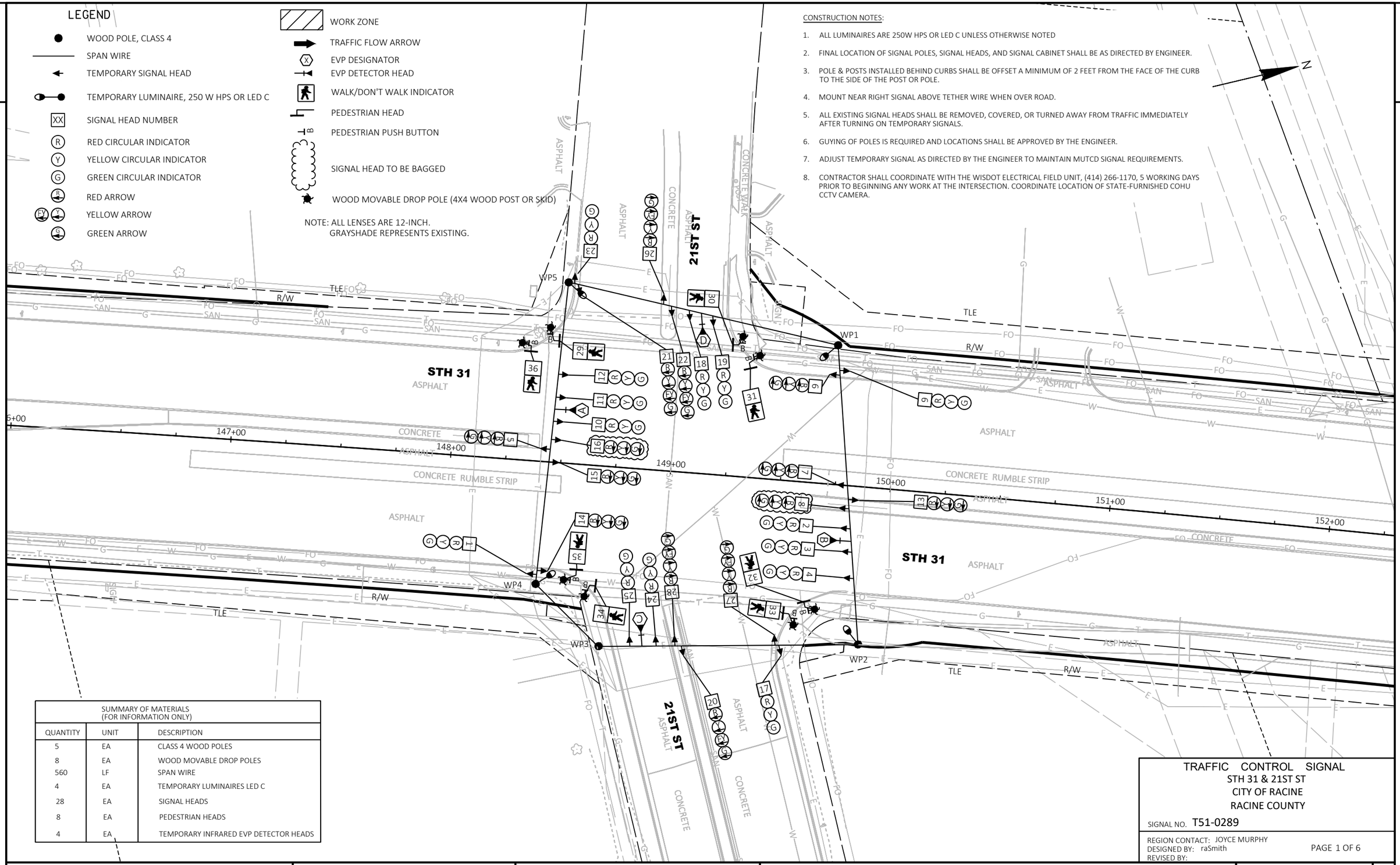
LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- FY YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- B PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.



SUMMARY OF MATERIALS
(FOR INFORMATION ONLY)

QUANTITY	UNIT	DESCRIPTION
5	EA	CLASS 4 WOOD POLES
8	EA	WOOD MOVABLE DROP POLES
560	LF	SPAN WIRE
4	EA	TEMPORARY LUMINAIRES LED C
28	EA	SIGNAL HEADS
8	EA	PEDESTRIAN HEADS
4	EA	TEMPORARY INFRARED EVP DETECTOR HEADS

TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE / POST CONSTRUCTION	SHEET 210	E

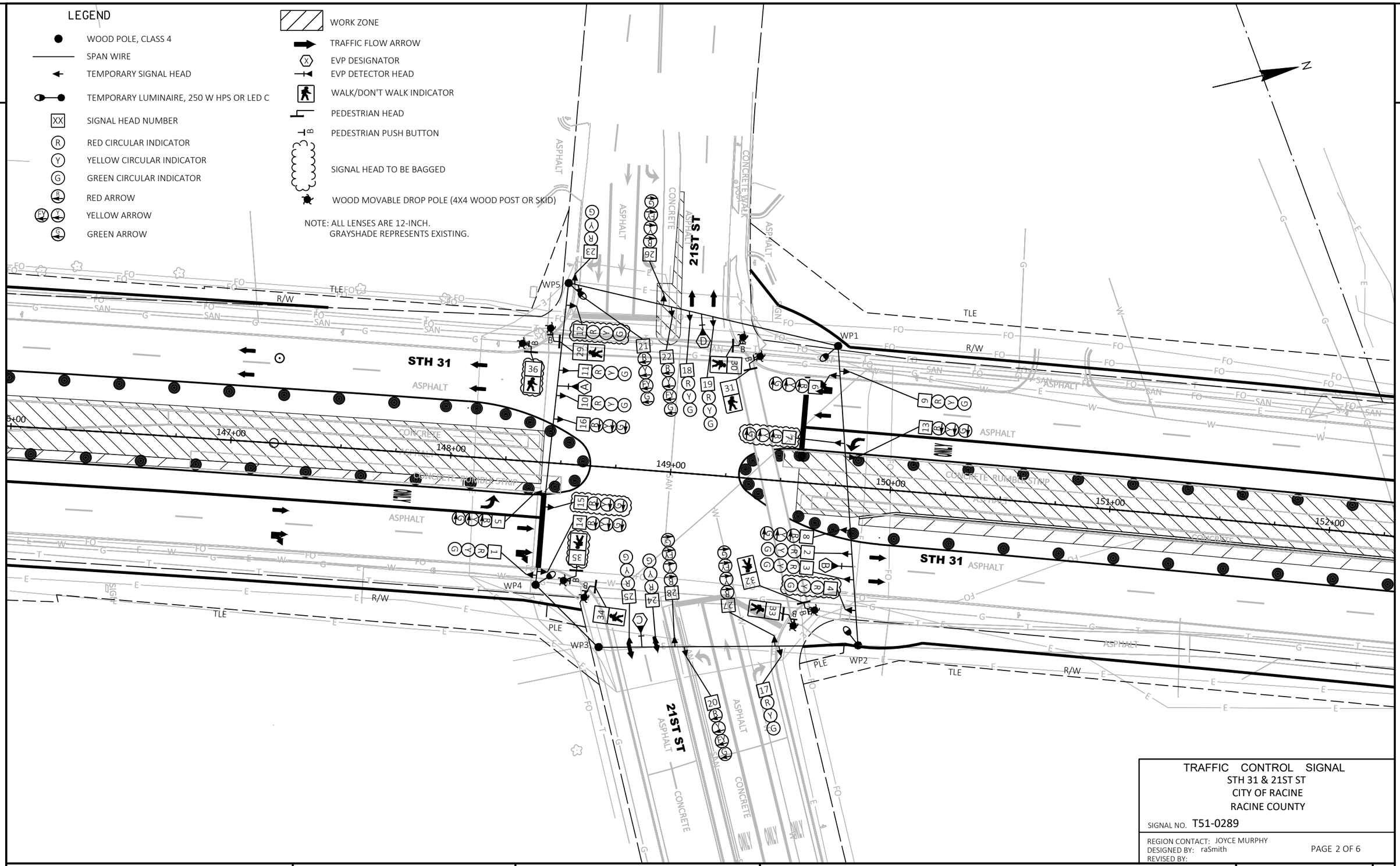
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 21st
PLOT DATE : 7/10/2025 9:59 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- B PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 211	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024102-ST-1.DWG
LAYOUT NAME - 21st
PLOT DATE : 7/10/2025 10:01 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR WESTBOUND 21ST ST WHEN APPROACH IS OPEN. BAG SIGNAL HEADS WHEN APPROACH IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 2A
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

SIGNAL HEADS 17, 18, 19, 20, 21, 22, 33, & 34 SHALL BE UNBAGGED.

STAGE 2B
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

SIGNAL HEADS 17, 18, 19, 20, 21, 22, 33, & 34 SHALL BE BAGGED.

TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A-2C	SHEET 212	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024103-ST-2A-2C.DWG
LAYOUT NAME - 21st
PLOT DATE : 7/10/2025 10:05 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- B PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES

ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 3C1
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

SIGNAL HEADS 17, 18, 19, 20, 21, & 22 SHALL BE UNBAGGED

STAGE 3C2
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

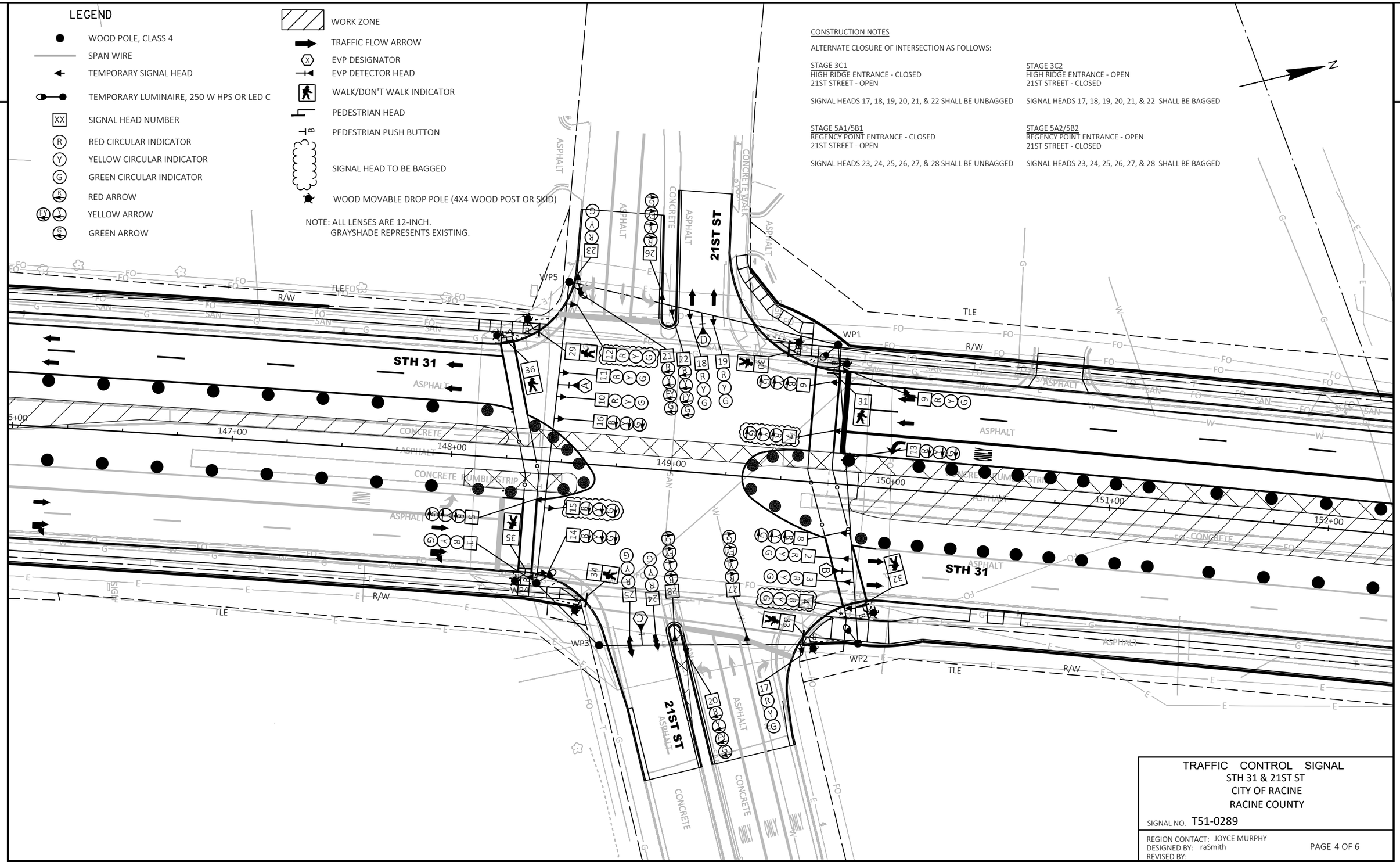
SIGNAL HEADS 17, 18, 19, 20, 21, & 22 SHALL BE BAGGED

STAGE 5A1/5B1
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

SIGNAL HEADS 23, 24, 25, 26, 27, & 28 SHALL BE UNBAGGED

STAGE 5A2/5B2
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

SIGNAL HEADS 23, 24, 25, 26, 27, & 28 SHALL BE BAGGED



TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A-3C & STAGE 5A-5B	SHEET 213	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024105-ST-5A-5B.DWG
LAYOUT NAME - 21st

PLOT DATE : 7/11/2025 7:05 AM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

PROVIDE SIGNAL HEADS FOR EASTBOUND 21ST ST WHEN APPROACH IS OPEN. BAG SIGNAL HEADS WHEN APPROACH IS CLOSED.

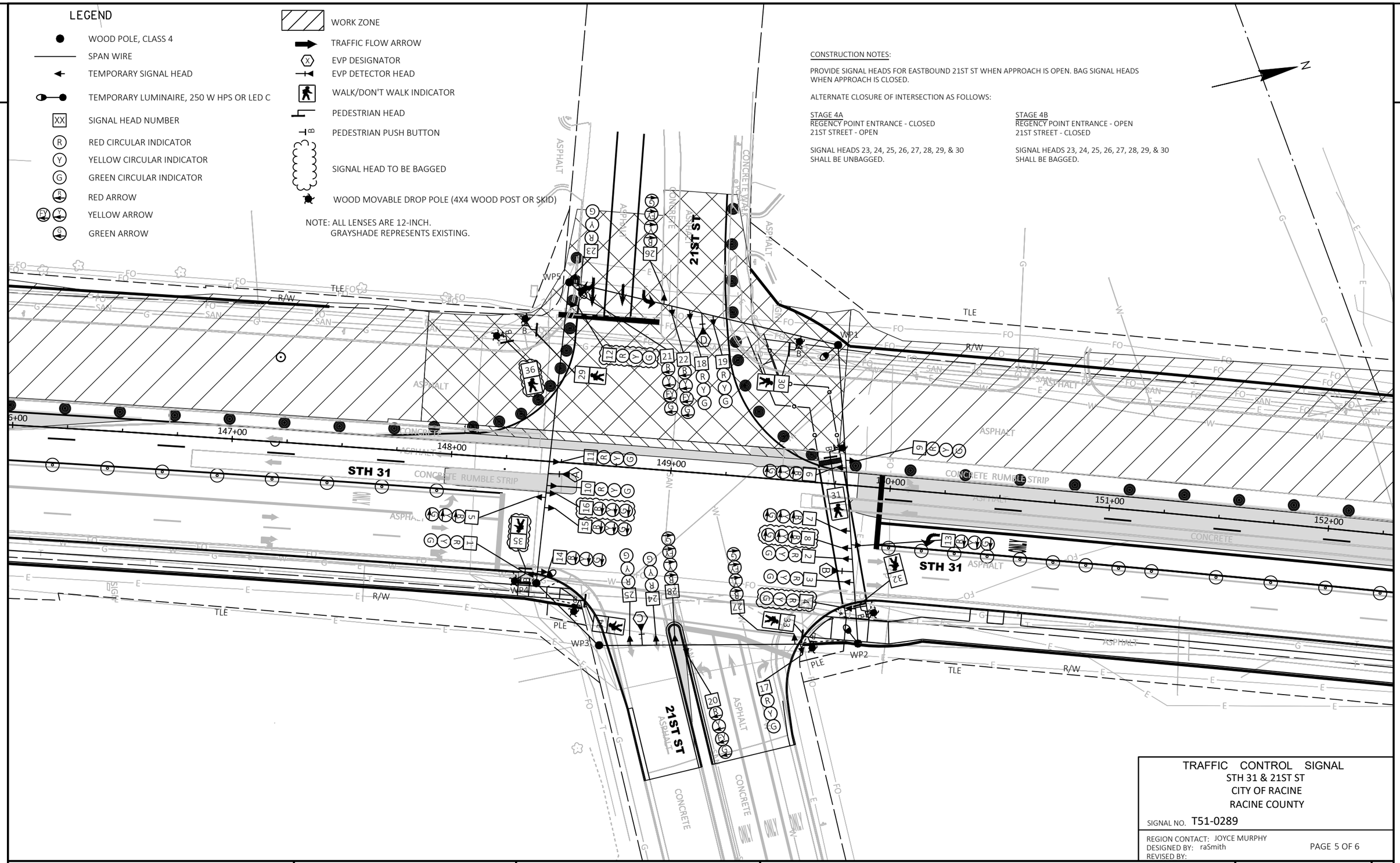
ALTERNATE CLOSURE OF INTERSECTION AS FOLLOWS:

STAGE 4A
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

SIGNAL HEADS 23, 24, 25, 26, 27, 28, 29, & 30 SHALL BE UNBAGGED.

STAGE 4B
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

SIGNAL HEADS 23, 24, 25, 26, 27, 28, 29, & 30 SHALL BE BAGGED.



TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

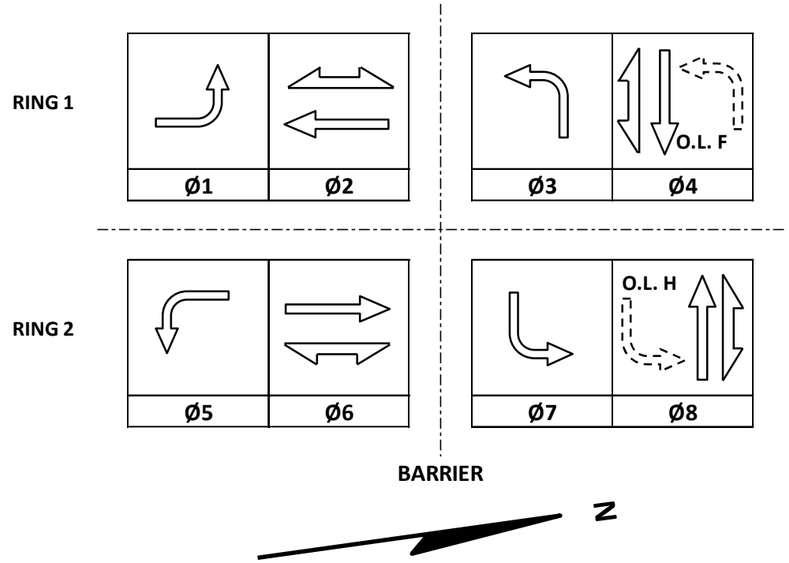
PAGE 5 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A-4C	SHEET 214	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024104-ST-4A-4C.DWG
LAYOUT NAME - 21st
PLOT DATE : 7/11/2025 7:09 AM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7,8	R
Ø2	9,10,11,12	R
Ø3	20,21,22	R
Ø4	23,24,25	R
Ø5	13,14,15,16	R
Ø6	1,2,3,4	R
Ø7	26,27,28	R
Ø8	17,18,19	R
Ø2P	29,30	
Ø4P	35,36	
Ø6P	33,34	
Ø8P	31,32	
OLE		
OLF	20,21,22	-
OLG		
OLH	26,27,28	-



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3	X	8	MAX	X
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. PHASES 1 AND 5 ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.
2. PHASE 1 WILL BE OMITTED DURING CONSTRUCTION STAGES 4 & 5. PHASE 5 WILL BE OMITTED DURING CONSTRUCTION STAGES 2 & 5.

STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO:	T51-0289	CABINET TYPE:	TEMP
		CONTROLLER TYPE:	TEMP
DATE:	8/2025	PAGE NUMBER:	6 OF 6

FILE NAME: \\WKERTOVFLPI01\n3public\SPO\Operations\Signals\Resources\Design\Sequence of Ops Templates\TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT DATE: ######## PLOT NAME: TS2-S_E_FYA_EFGH_Ecor PLOT BY: _____ PLOT SCALE: 1:1

2

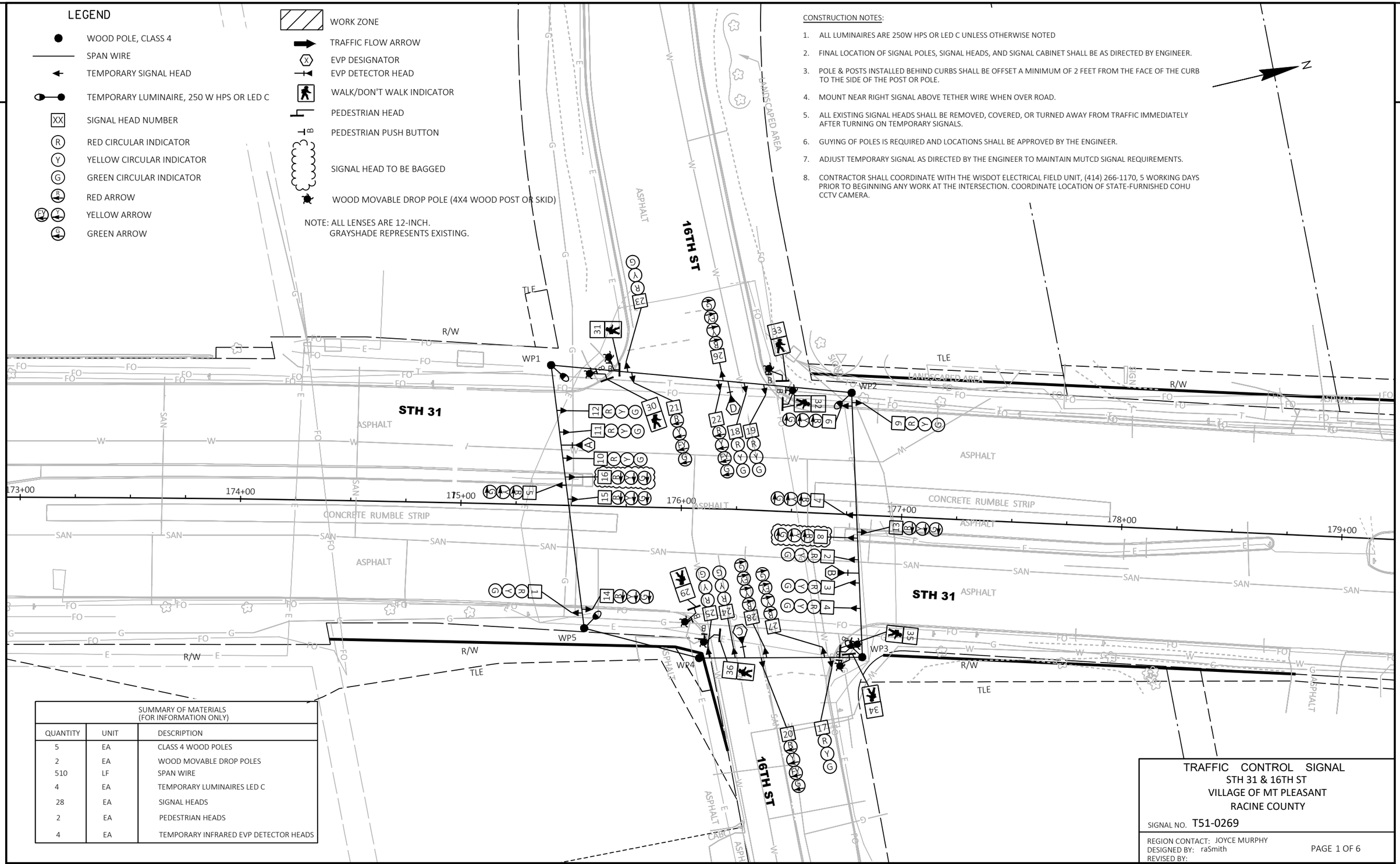
LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- B — PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.



SUMMARY OF MATERIALS (FOR INFORMATION ONLY)		
QUANTITY	UNIT	DESCRIPTION
5	EA	CLASS 4 WOOD POLES
2	EA	WOOD MOVABLE DROP POLES
510	LF	SPAN WIRE
4	EA	TEMPORARY LUMINAIRES LED C
28	EA	SIGNAL HEADS
2	EA	PEDESTRIAN HEADS
4	EA	TEMPORARY INFRARED EVP DETECTOR HEADS

TRAFFIC CONTROL SIGNAL
STH 31 & 16TH ST
VILLAGE OF MT PLEASANT
RACINE COUNTY

SIGNAL NO. T51-0269

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE / POST CONSTRUCTION	SHEET 216	E

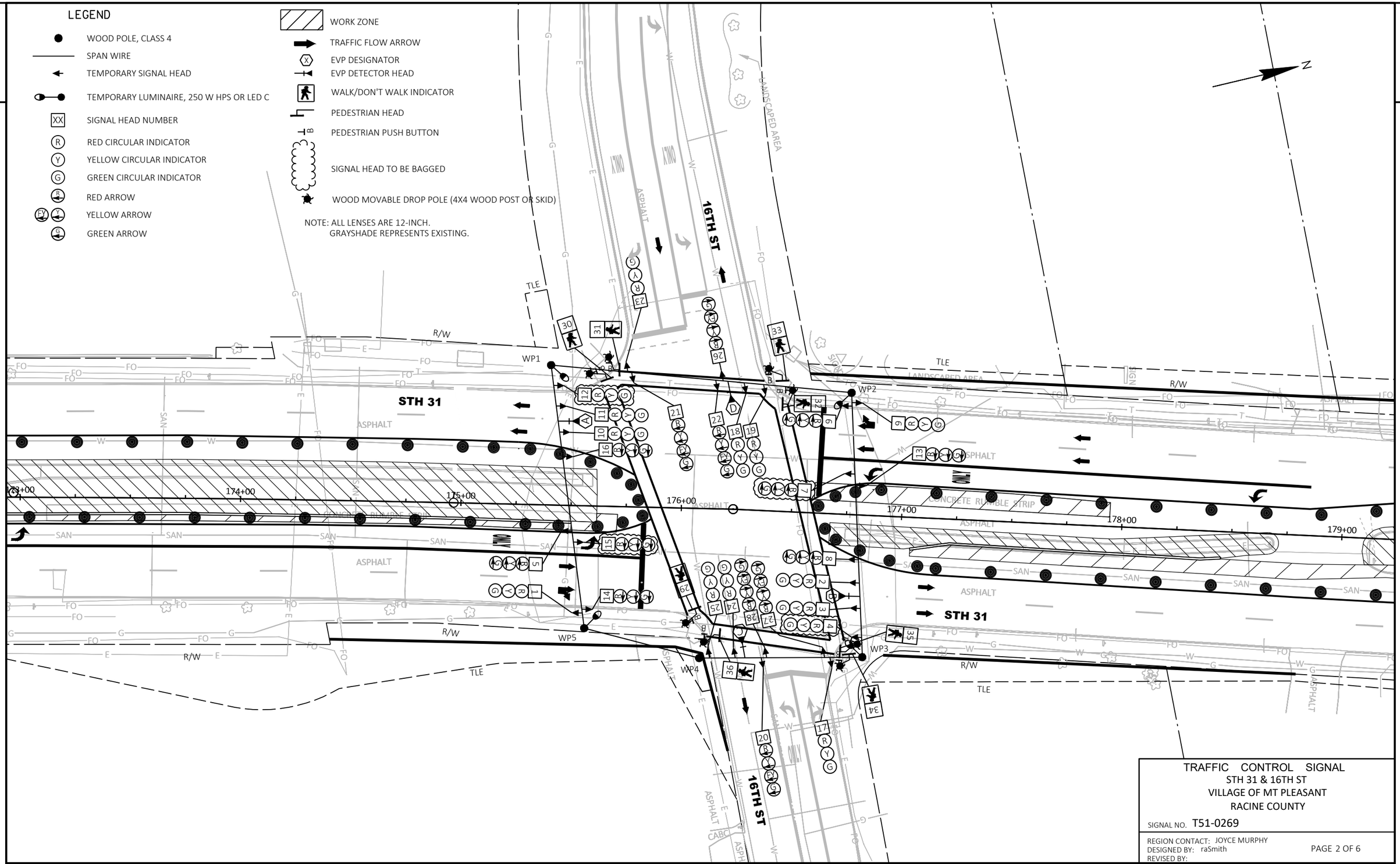
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 16th
PLOT DATE : 7/11/2025 7:42 AM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- B PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & 16TH ST
VILLAGE OF MT PLEASANT
RACINE COUNTY

SIGNAL NO. T51-0269

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 6	SHEET 217	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024106-ST-6.DWG
LAYOUT NAME - 16th

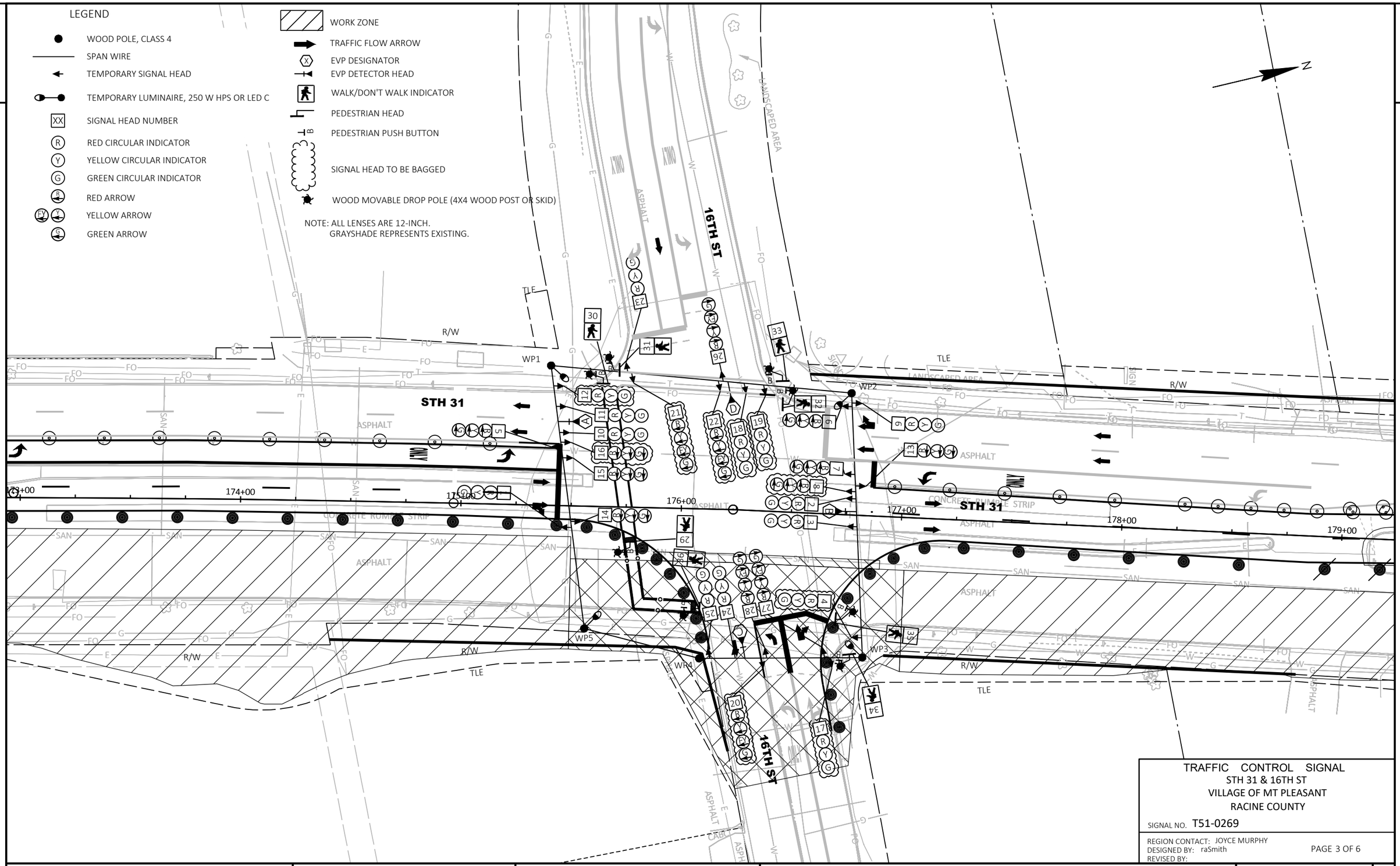
PLOT DATE : 7/11/2025 7:43 AM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & 16TH ST
VILLAGE OF MT PLEASANT
RACINE COUNTY

SIGNAL NO. T51-0269

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

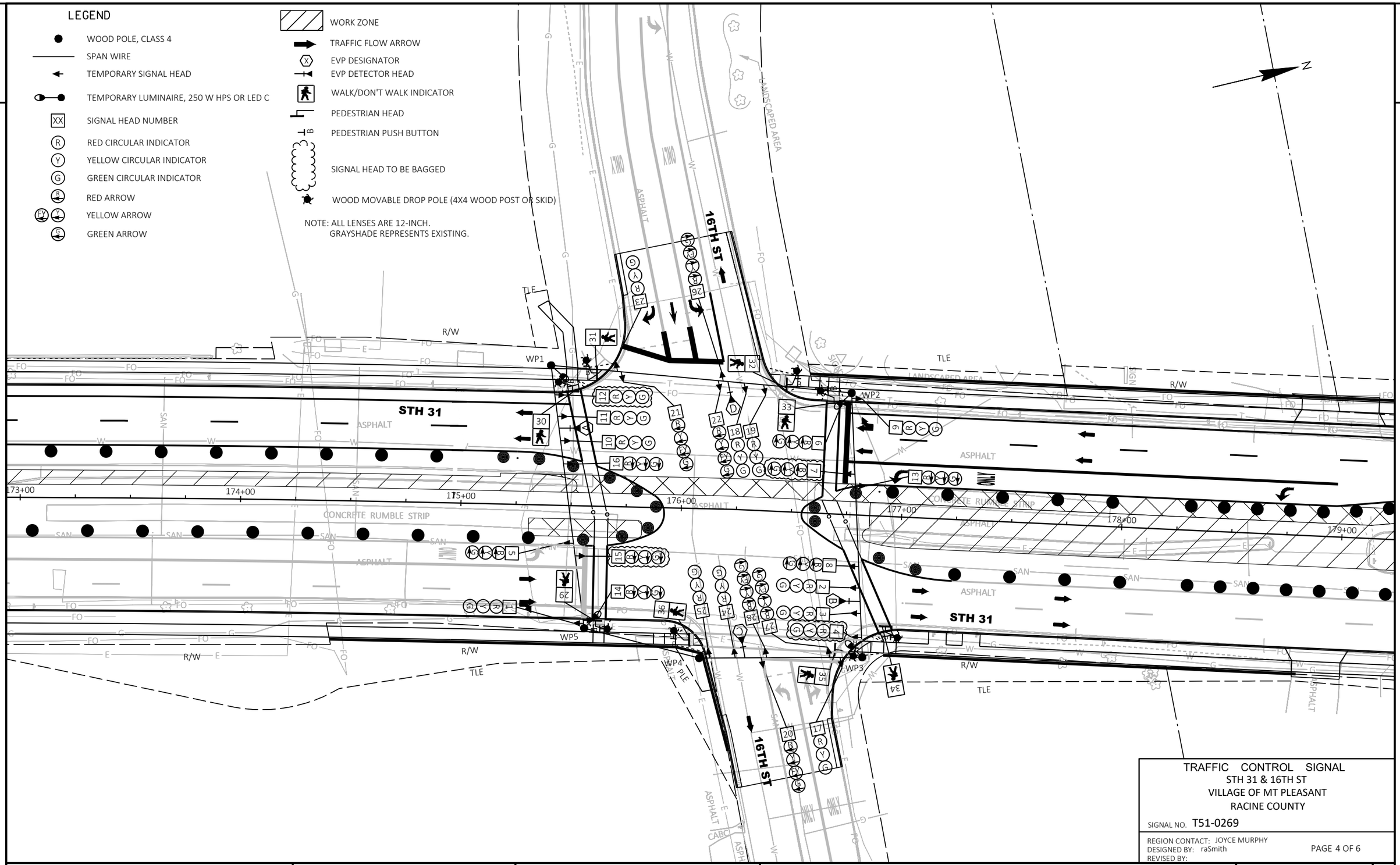
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 7A-7C	SHEET 218	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024107-ST-7A-7C.DWG
LAYOUT NAME - 16th
PLOT DATE : 7/11/2025 7:44 AM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & 16TH ST
VILLAGE OF MT PLEASANT
RACINE COUNTY

SIGNAL NO. T51-0269

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 8A-8C & STAGE 10A-10B	SHEET 219	E

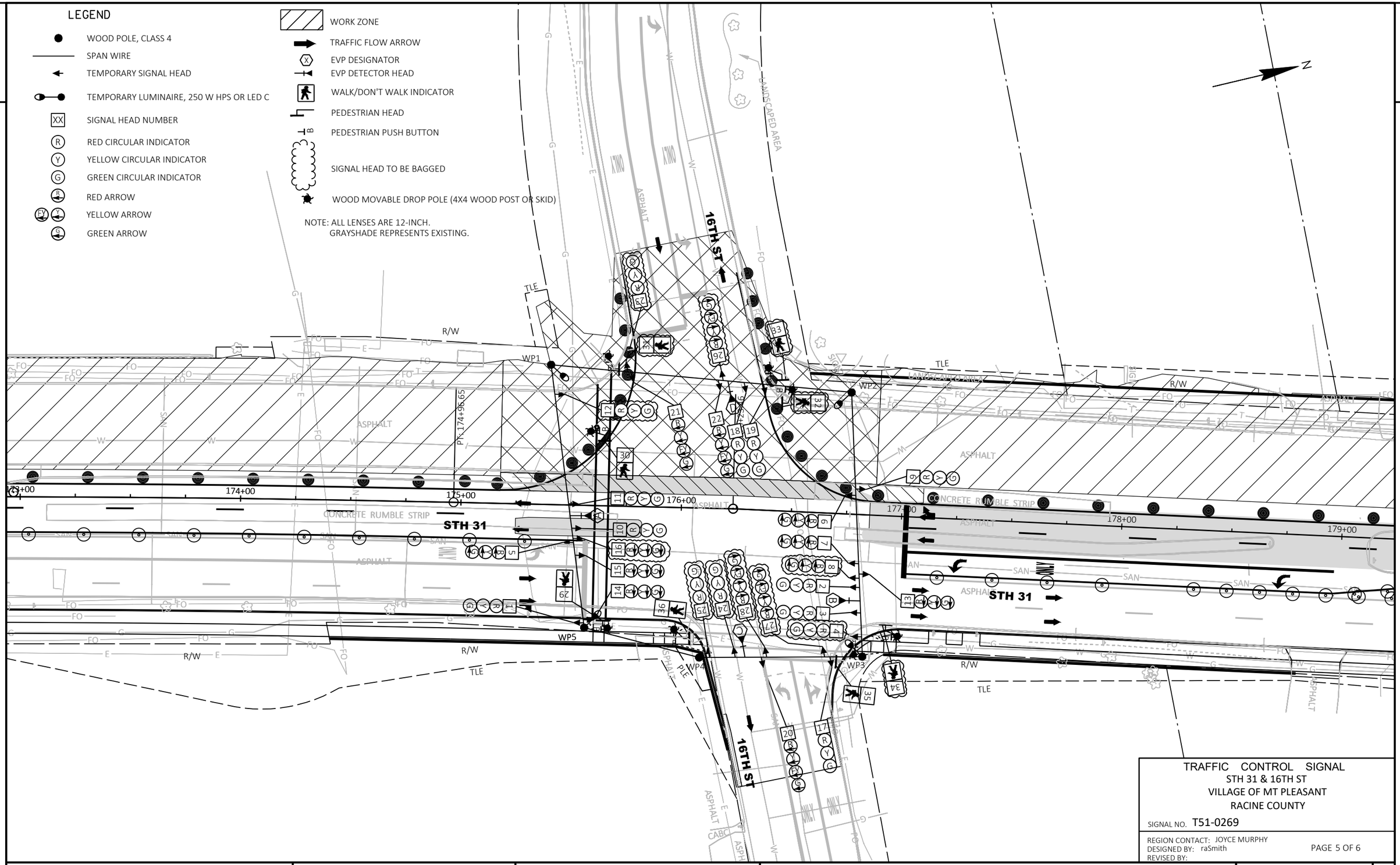
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024108-ST-8_10.DWG
LAYOUT NAME - 16th
PLOT DATE : 7/11/2025 7:46 AM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED
- WOOD MOVABLE DROP POLE (4X4 WOOD POST OR SKID)

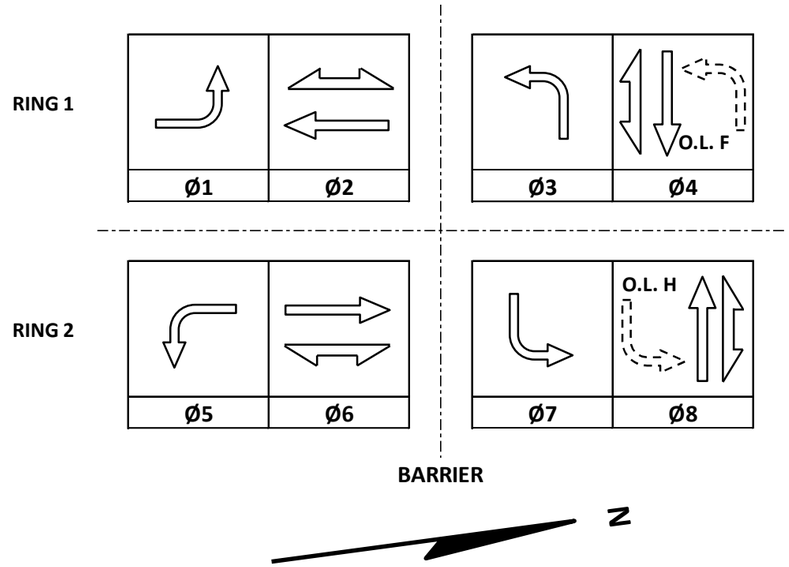
NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 9A - 9C	SHEET 220	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024109-ST-9A-9C.DWG
LAYOUT NAME - 16th
PLOT DATE : 7/11/2025 7:47 AM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7,8	R ←
Ø2	9,10,11,12	R
Ø3	20,21,22	R ←
Ø4	23,24,25	R
Ø5	13,14,15,16	R ←
Ø6	1,2,3,4	R
Ø7	26,27,28	R ←
Ø8	17,18,19	R
Ø2P	31,32	
Ø4P	29,30	
Ø6P	35,36	
Ø8P	33,34	
OLE		
OLF	20,21,22	-
OLG		
OLH	26,27,28	-



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3	X	8	MAX	X
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. PHASES 1 AND 5 ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.
2. PHASE 1 WILL BE OMITTED DURING CONSTRUCTION STAGES 9 & 10. PHASE 5 WILL BE OMITTED DURING CONSTRUCTION STAGES 7 & 10.

STH 31 & 16TH ST
VILLAGE OF MT PLEASANT
RACINE COUNTY

SIGNAL NO:	T51-0269	CABINET TYPE: TEMP	
		CONTROLLER TYPE: TEMP	
DATE:	8/2025	PAGE NUMBER: 6 OF 6	

FILE NAME: \\WKERTOVFLPI01\n3public\SPO\Operations\Signals\Resources\Design\Sequence of Ops Templates\TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT DATE: ######## PLOT NAME: TS2-S_E_FYA_EFGH_Ecor PLOT BY: _____ PLOT SCALE: 1:1

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW
- G GREEN ARROW

- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.

N

STH 31

PRIVATE DWY

WRIGHT AVE

WP1 WP2 WP3 WP4

TLE R/W ASPHALT CONCRETE GRADED AREA SIGN

186+00 187+00 189+00 190+00 191+00

SUMMARY OF MATERIALS
(FOR INFORMATION ONLY)

QUANTITY	UNIT	DESCRIPTION
4	EA	CLASS 4 WOOD POLES
435	LF	SPAN WIRE
4	EA	TEMPORARY LUMINAIRES LED C
26	EA	SIGNAL HEADS
4	EA	TEMPORARY INFRARED EVP DETECTOR HEADS

TRAFFIC CONTROL SIGNAL
STH 31 & WRIGHT AVE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-1398

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE / POST CONSTRUCTION	SHEET 222	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - Wright

PLOT DATE : 7/11/2025 7:48 AM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

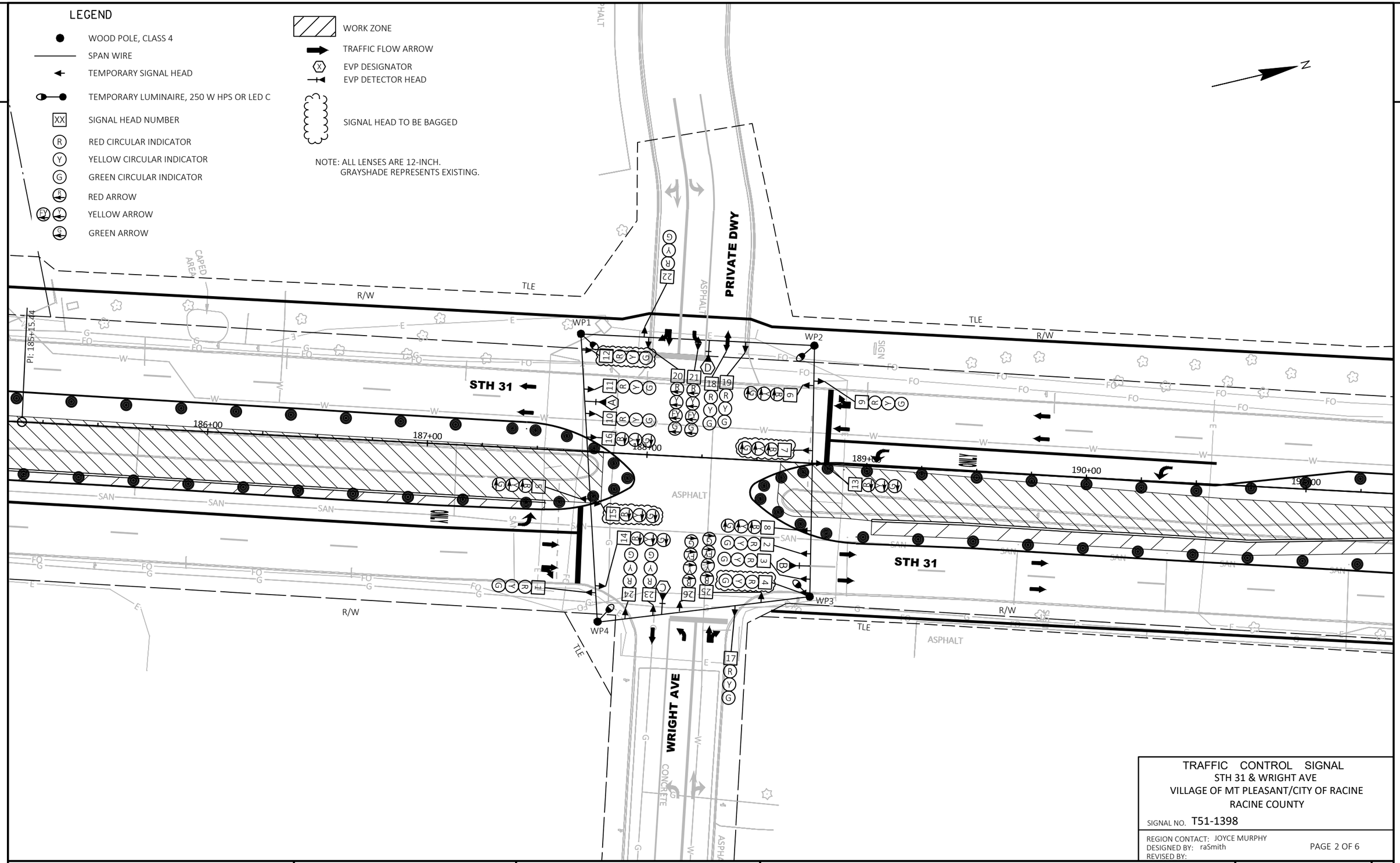
2

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & WRIGHT AVE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-1398

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 6	SHEET 223	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024106-ST-6.DWG
LAYOUT NAME - Wright

PLOT DATE : 7/11/2025 7:49 AM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

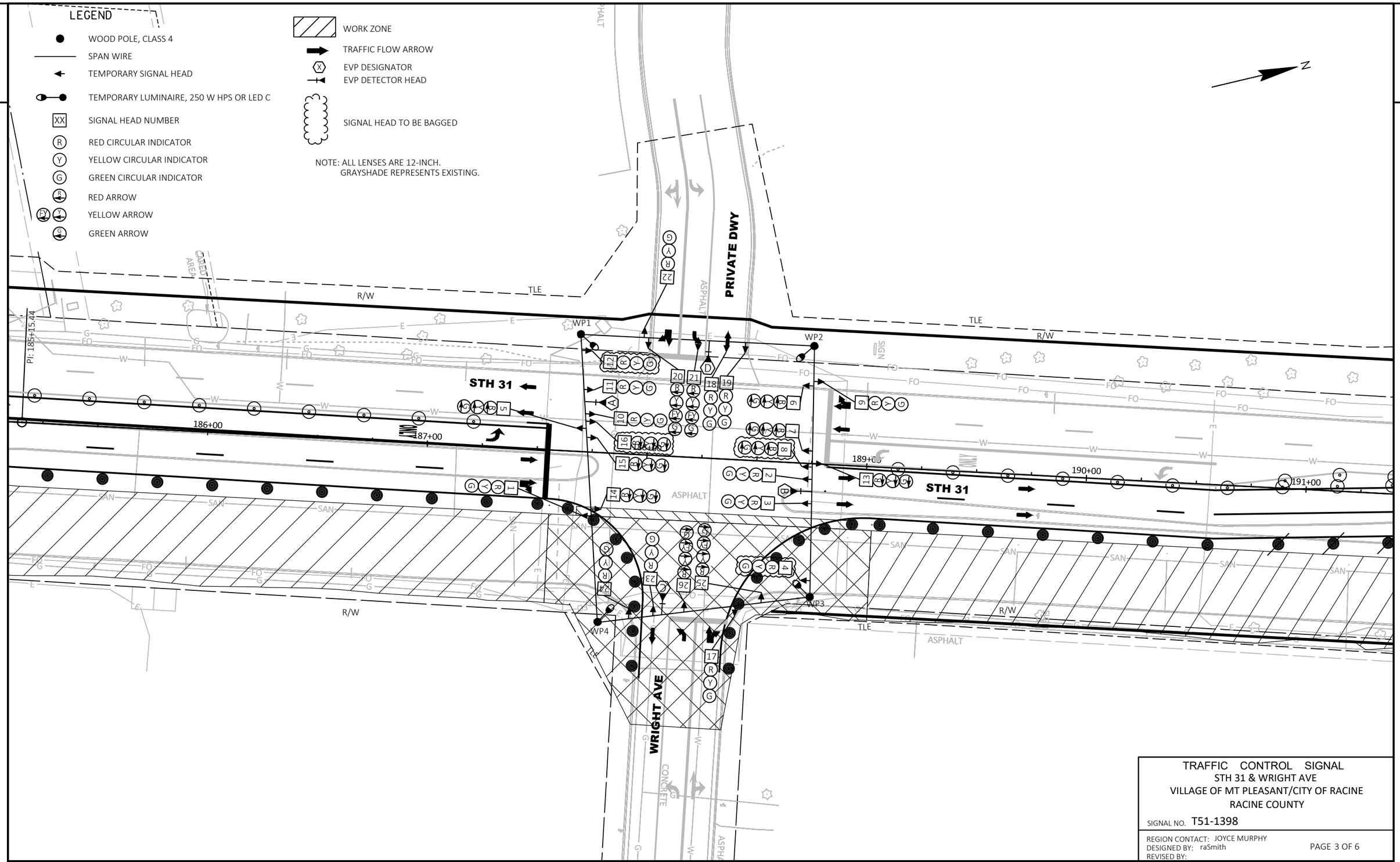
WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & WRIGHT AVE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-1398

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 7A-7C	SHEET 224	E

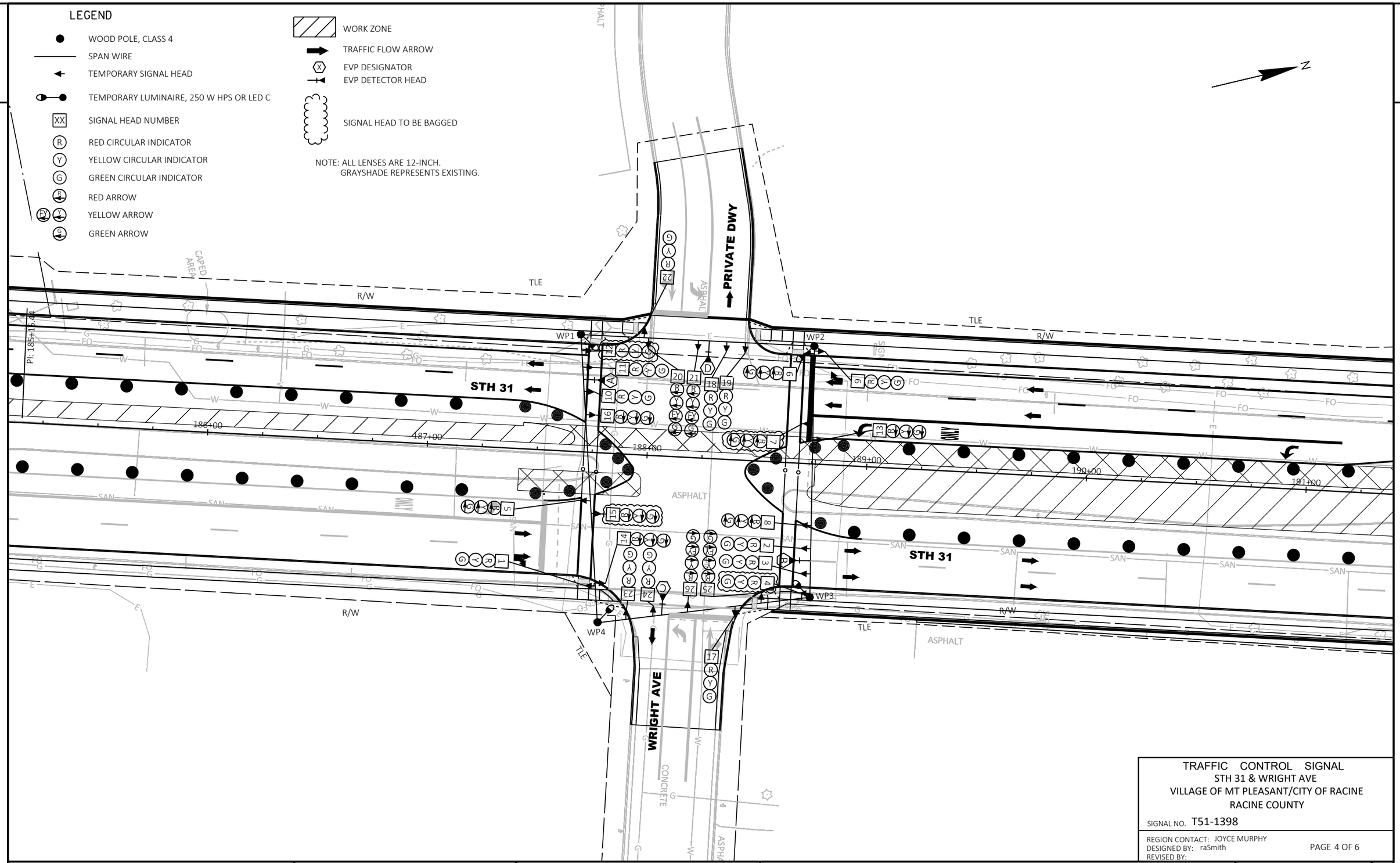
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024107-ST-7A-7C.DWG
LAYOUT NAME - Wright
PLOT DATE : 7/11/2025 8:03 AM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 31 & WRIGHT AVE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-1398

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 8A-8C & STAGE 10A-10B	SHEET 225	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024108-ST-8_10.DWG
LAYOUT NAME - Wright
PLOT DATE : 7/14/2025 4:30 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- WORK ZONE
- TRAFFIC FLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD TO BAGGED

NOTE: ALL LENSES ARE 12-INCH.
GRAYSHADE REPRESENTS EXISTING.

N

STH 31

PRIVATE DWY

WRIGHT AVE

WP1 WP2 WP3 WP4

TLE R/W

ASPHALT CONCRETE

CAPED AREA

SAN FO W E G SIGN

186+00 187+00 188+00 189+00 190+00 191+00

PI: 185+15.44

TRAFFIC CONTROL SIGNAL
STH 31 & WRIGHT AVE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY
SIGNAL NO. T51-1398
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:
PAGE 5 OF 6

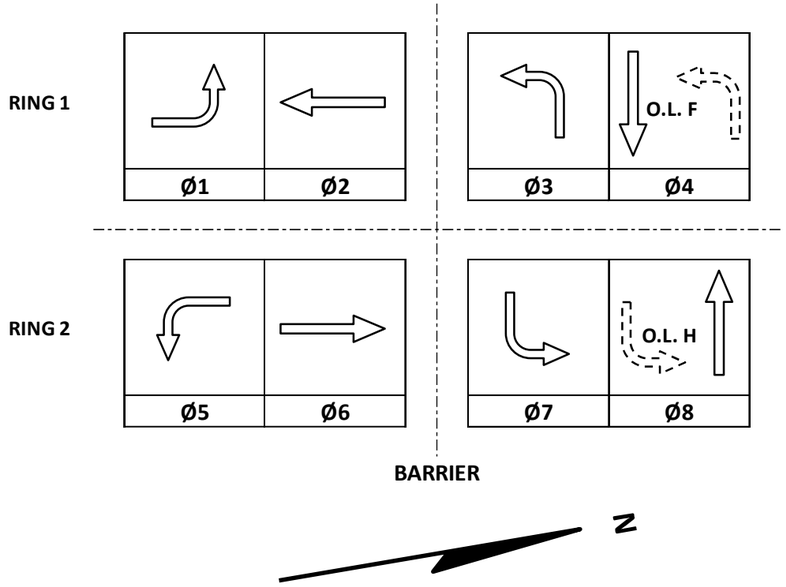
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 9A - 9C	SHEET 226	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024109-ST-9A-9C.DWG
LAYOUT NAME - Wright

PLOT DATE : 7/11/2025 8:06 AM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7,8	R ←
Ø2	9,10,11,12	R
Ø3	20,21	R ←
Ø4	22,23,24	R
Ø5	13,14,15,16	R ←
Ø6	1,2,3,4	R
Ø7	25,26	R ←
Ø8	17,18,19	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF	20,21	-
OLG		
OLH	25,26	-



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3	X	8	MAX	X
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. PHASES 1 AND 5 ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.
2. PHASE 1 WILL BE OMITTED DURING CONSTRUCTION STAGES 9 & 10. PHASE 5 WILL BE OMITTED DURING CONSTRUCTION STAGES 7 & 10.
3. STAGE 6 ONLY: PHASES 3 AND 7 ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY. OMIT O.L. F AND O.L. H.

STH 31 & WRIGHT AVE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO:	T51-1398	CABINET TYPE:	TEMP
		CONTROLLER TYPE:	TEMP
DATE:	8/2025	PAGE NUMBER:	6 OF 6

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
8. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION. COORDINATE LOCATION OF STATE-FURNISHED COHU CCTV CAMERA.

SUMMARY OF MATERIALS (FOR INFORMATION ONLY)		
QUANTITY	UNIT	DESCRIPTION
4	EACH	CLASS 4 WOOD POLES
891	LF	SPAN WIRE
4	EACH	TEMPORARY LUMINAIRES
32	EACH	SIGNAL HEADS
4	EACH	EVP DETECTOR HEADS
6	EACH	WOOD MOVEABLE DROP POLES (4X4 WOOD POST OR SKID)

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- B PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

WP1 WP2 WP3 WP4

TEMPORARY CONCRETE BARRIER FOR SIGNAL PROTECTION

STH 31

STH 20

TRAFFIC CONTROL SIGNAL
STH 31 & STH 20
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0095

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

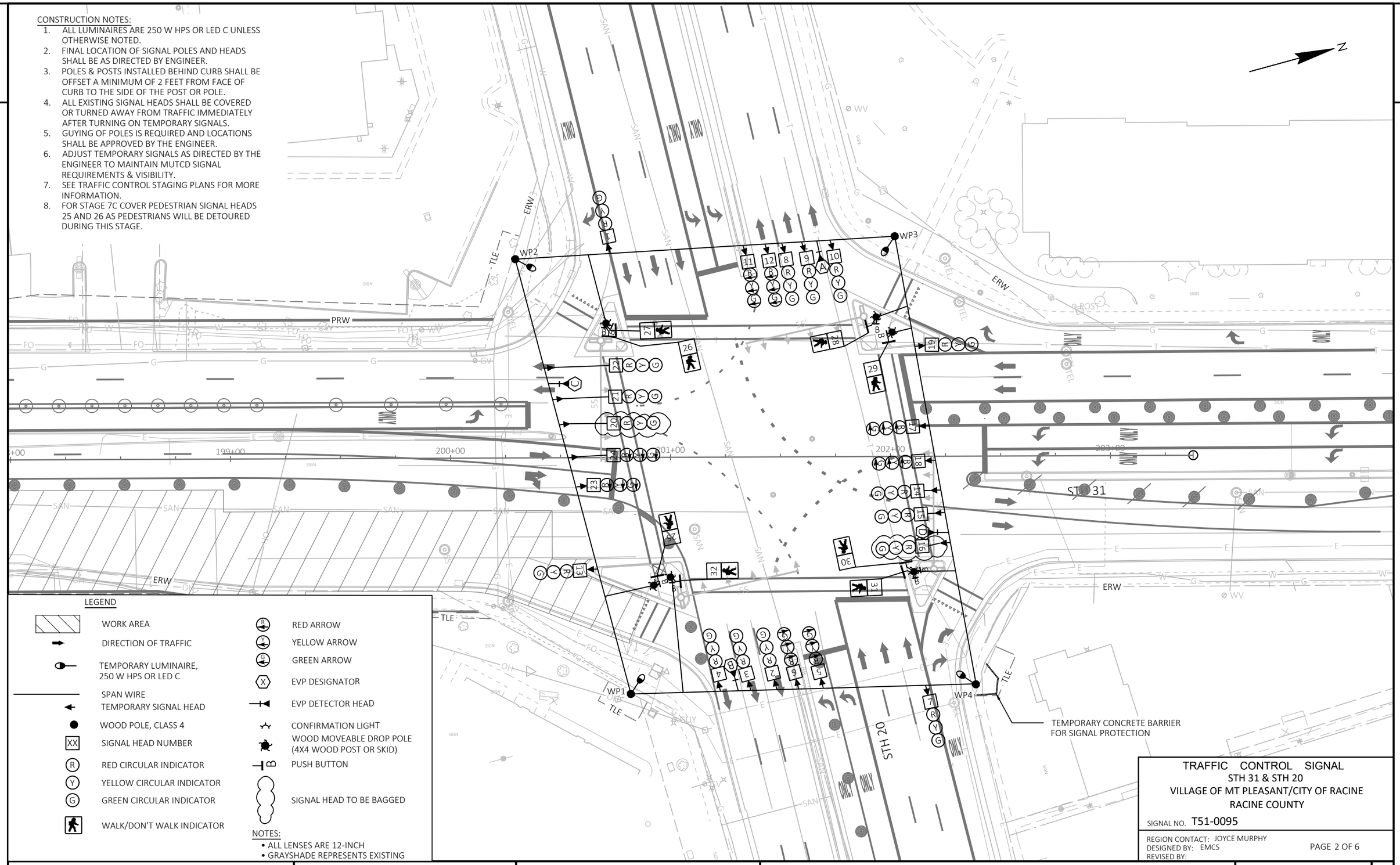
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 6	SHEET 228	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 20

PLOT DATE : 7/30/2025 8:51 AM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
8. FOR STAGE 7C COVER PEDESTRIAN SIGNAL HEADS 25 AND 26 AS PEDESTRIANS WILL BE DETOURED DURING THIS STAGE.



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- B PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 31 & STH 20
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0095

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 7A-7B-7C	SHEET 229	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 20 (2)
PLOT DATE : 7/30/2025 8:51 AM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- B PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

WP1 WP2 WP3 WP4

TEMPORARY CONCRETE BARRIER FOR SIGNAL PROTECTION

STH 31

STH 20

ONE WAY

TRAFFIC CONTROL SIGNAL
STH 31 & STH 20
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0095

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 8A-8B-8C	SHEET 230	E

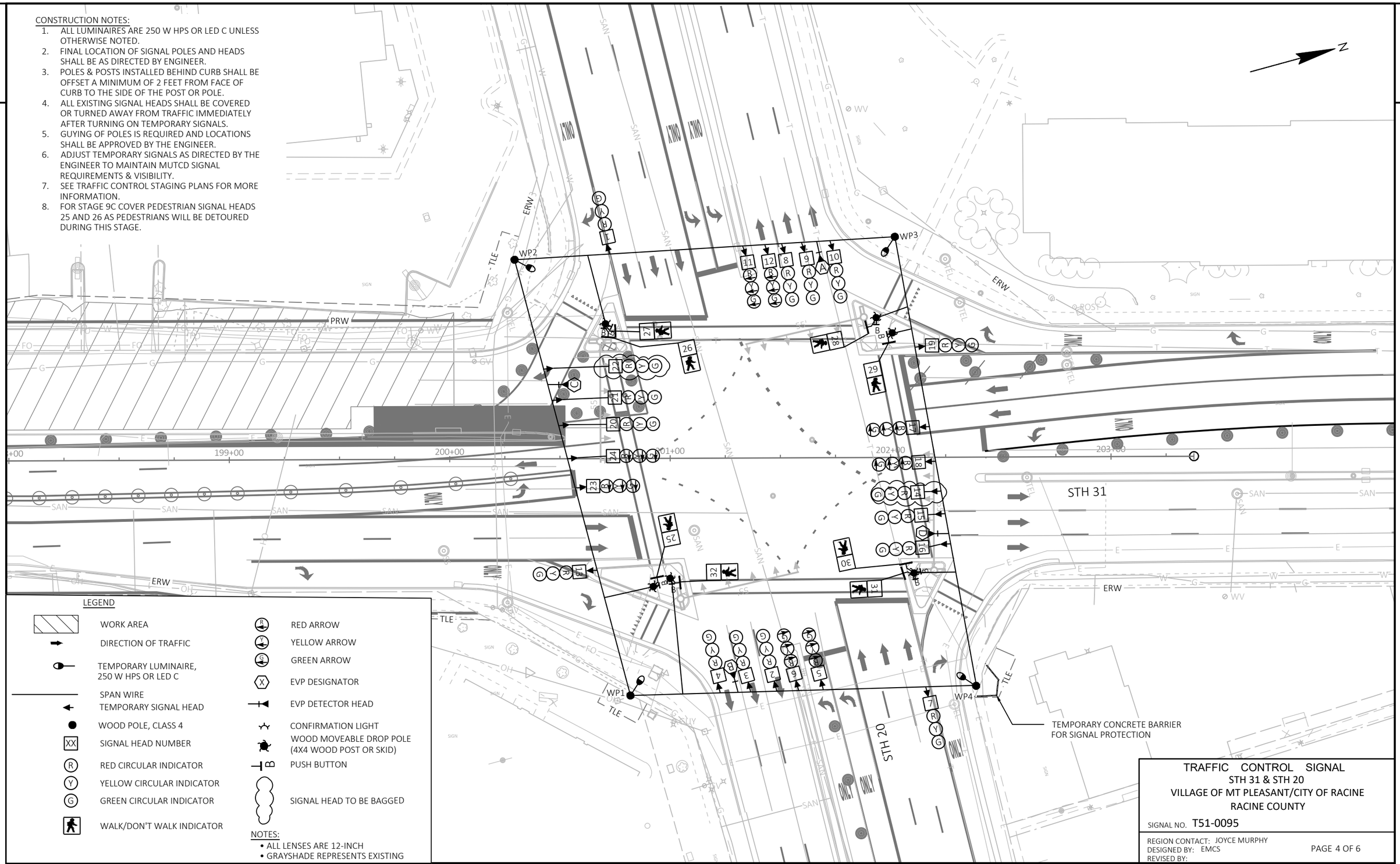
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 20 (3)

PLOT DATE : 7/30/2025 8:52 AM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

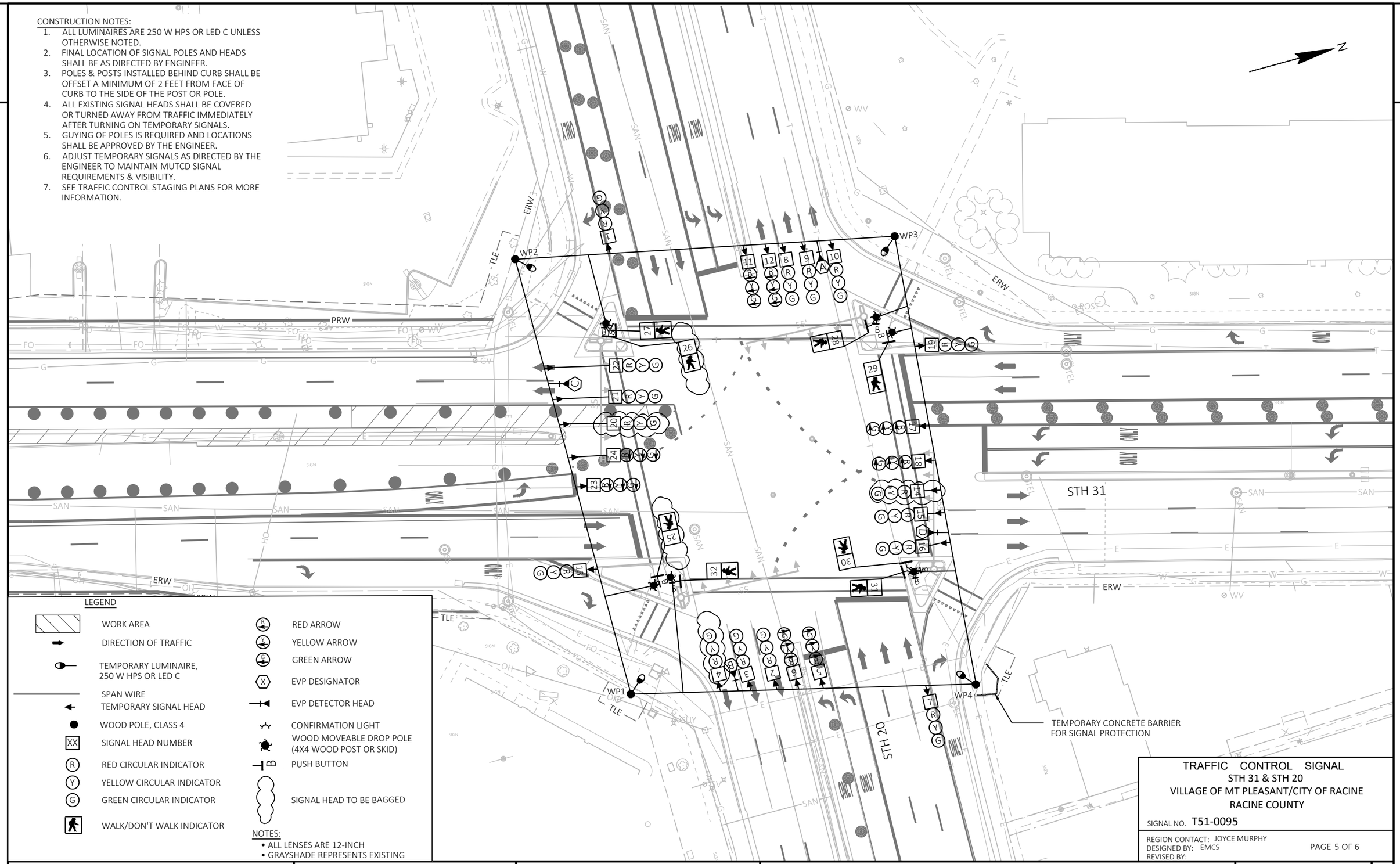
CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
8. FOR STAGE 9C COVER PEDESTRIAN SIGNAL HEADS 25 AND 26 AS PEDESTRIANS WILL BE DETOURED DURING THIS STAGE.


N
WP1
WP2
WP3
WP4
ONLY
ONLY
ONLY

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250 W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES AND HEADS SHALL BE AS DIRECTED BY ENGINEER.
3. POLES & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. ALL EXISTING SIGNAL HEADS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS & VISIBILITY.
7. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- WOOD POLE, CLASS 4
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- WALK/DON'T WALK INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WOOD MOVEABLE DROP POLE (4X4 WOOD POST OR SKID)
- PUSH BUTTON
- SIGNAL HEAD TO BE BAGGED

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 31 & STH 20
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. T51-0095

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS
REVISED BY:

PAGE 5 OF 6

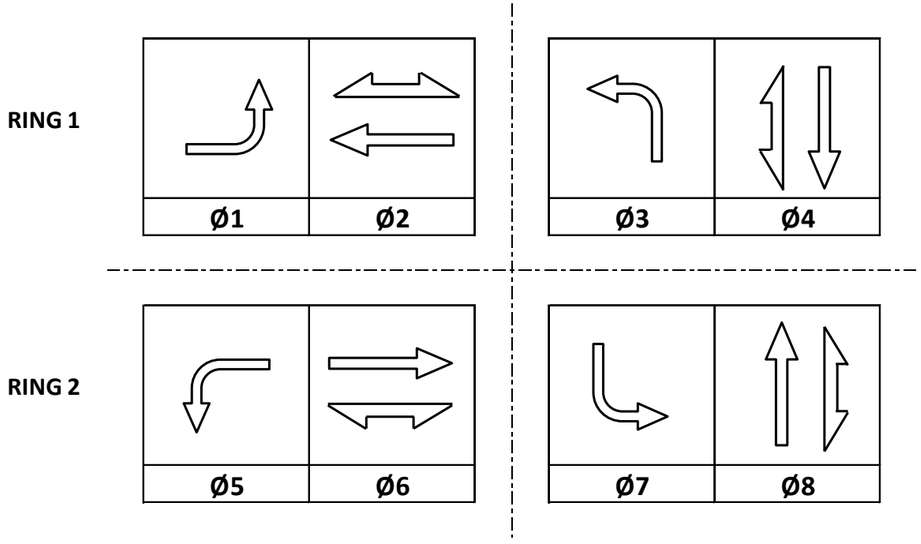
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLANS- STAGE 10A-10B	SHEET 232	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024101-ST-EMCS.DWG
LAYOUT NAME - STH 20 (5)

PLOT DATE : 7/30/2025 8:53 AM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6	R ←
Ø2	7,8,9,10	R
Ø3	17,18	R ←
Ø4	19,20,21,22	R
Ø5	11,12	R ←
Ø6	1,2,3,4	R
Ø7	23,24	R ←
Ø8	13,14,15,16	R
Ø2P	29,30	
Ø4P	27,28	
Ø6P	25,26	
Ø8P	31,32	



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION		
NONE		
TBC		
TRAFFIC RESPONSIVE		X
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	51-0034

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

GENERAL NOTES:

1. PHASES 3 (NBL) AND 7 (SBL) ARE IN CONFLICT AND NOT ALLOWED TO RUN CONCURRENTLY.

2. PHASES 1 (EBL) AND 5 (WBL) ARE IN CONFLICT IN STAGE 7 AND NOT ALLOWED TO RUN CONCURRENTLY.

N

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X	6	MAX	X
2	X	6	MAX	X
3	X	8	MAX	X
4	X	8	MAX	X
5	X	2	MAX	X
6	X	2	MAX	X
7	X	4	MAX	X
8	X	4	MAX	X

STH 31 & STH 20
VILLAGE OF MT PLEASANT/ CITY OF RACINE
RACINE COUNTY

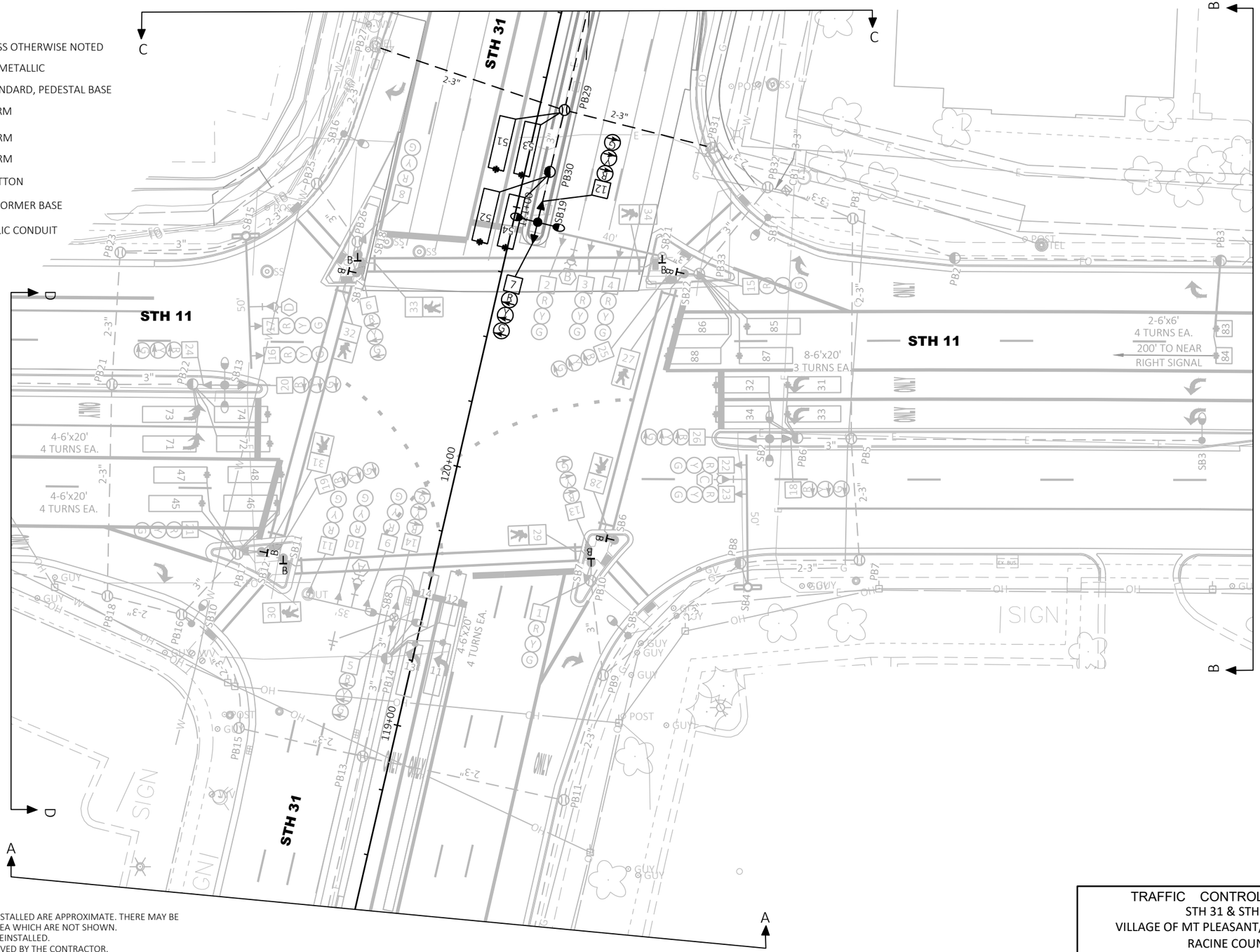
SIGNAL NO: T51-0095 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: PAGE NUMBER: 6 OF 6

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- CONFIRMATION LIGHT
- B PUSH BUTTON
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

NOTES:
- ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES
1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. SB19 AND SB20 ARE TO BE REMOVED, SALVAGED AND REINSTALLED.
3. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
4. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

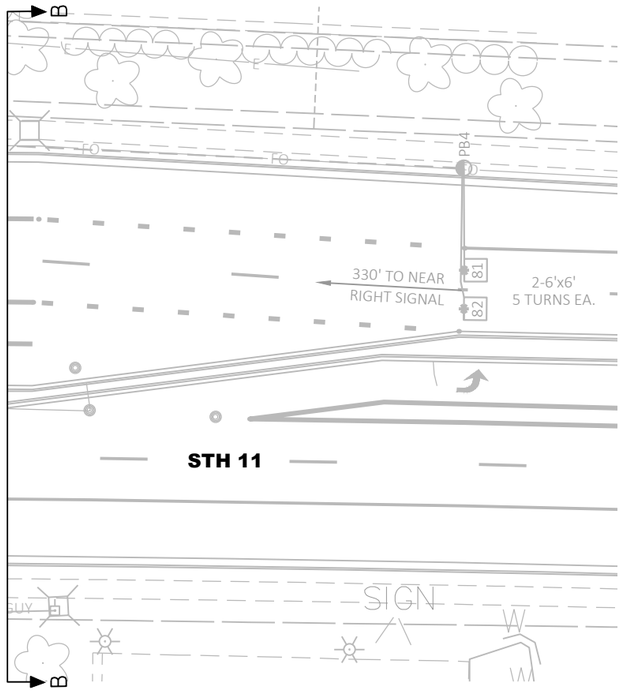
TRAFFIC CONTROL SIGNAL
STH 31 & STH 11
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

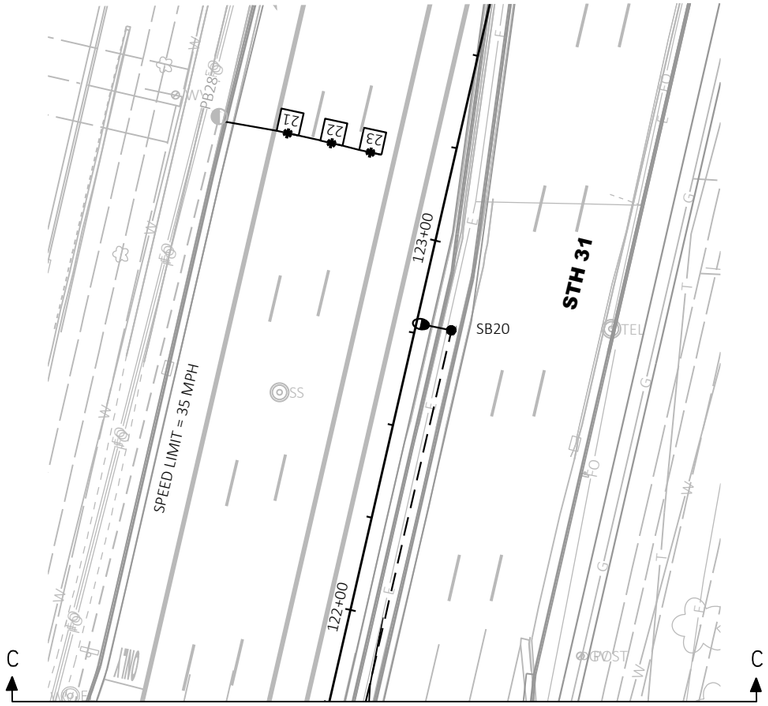
SIGNAL NO. S51-0070

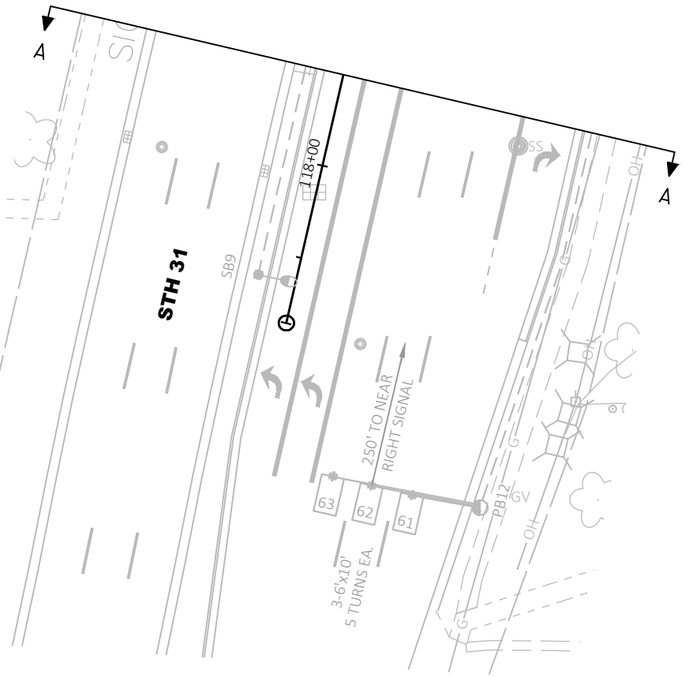
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS, INC.
REVISED BY:

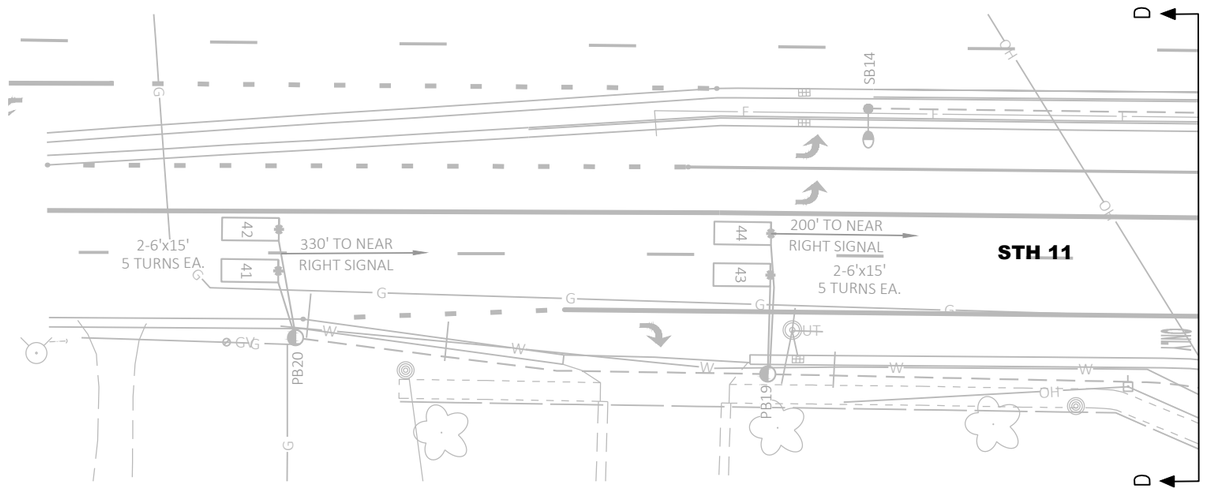
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 234	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024001-SR-EMCS.DWG
LAYOUT NAME - STH 11
PLOT DATE : 7/29/2025 12:52 PM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42









N

TRAFFIC CONTROL SIGNAL
STH 31 & STH 11
CITY OF RACINE
RACINE

SIGNAL NO. S51-0070

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLANS	SHEET 235	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024001-SR-EMCS.DWG
LAYOUT NAME - STH 11- 2

PLOT DATE : 7/29/2025 12:53 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN: 40 FT

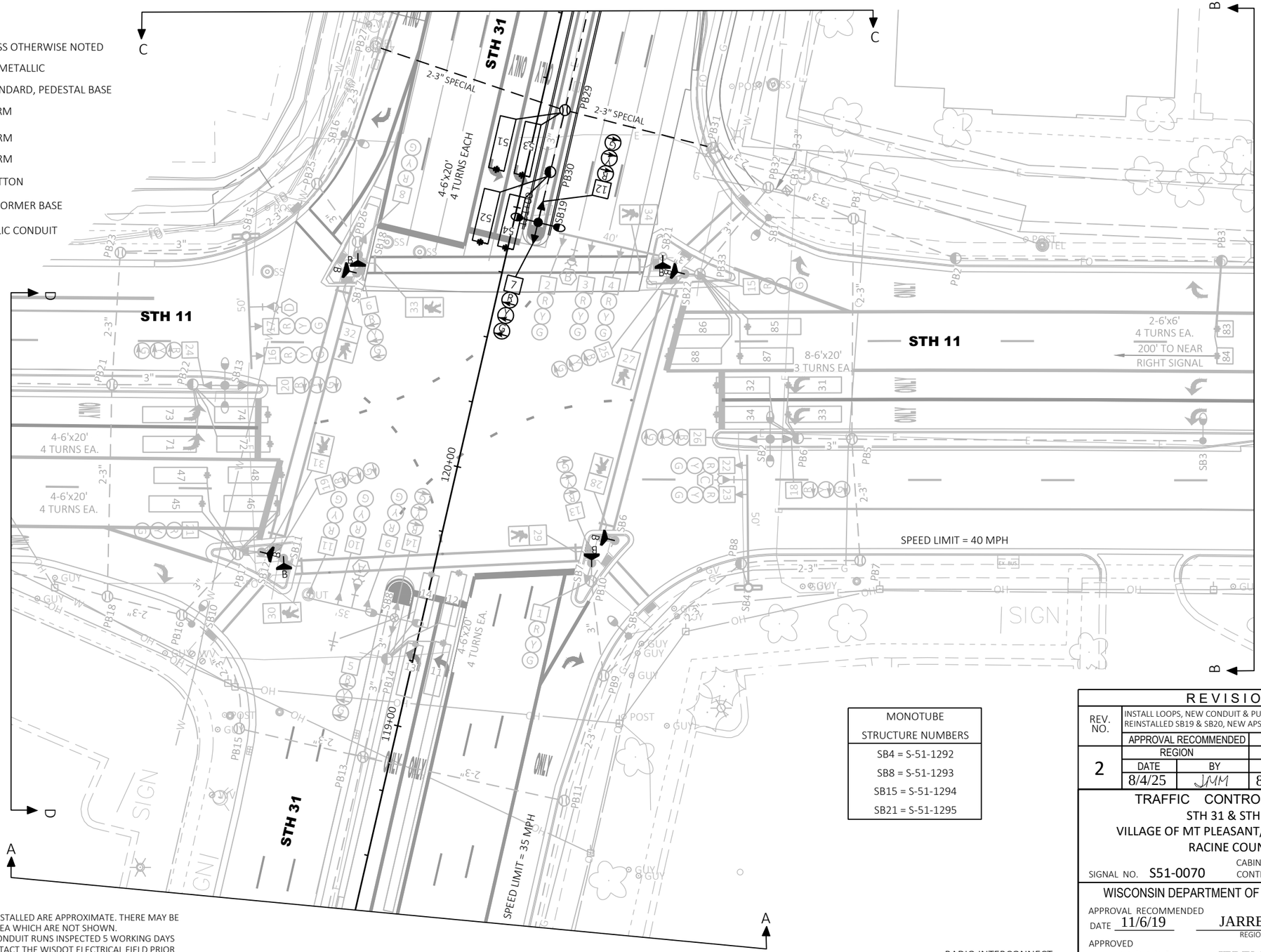
WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- * * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- CONFIRMATION LIGHT
- B APS PUSH BUTTON
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



MONOTUBE STRUCTURE NUMBERS
SB4 = S-51-1292
SB8 = S-51-1293
SB15 = S-51-1294
SB21 = S-51-1295

CONSTRUCTION NOTES
1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD PRIOR TO PLACING THE SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170
3. * LOCATION IS TO FRONT OF DETECTOR LOOP

RADIO INTERCONNECT
ANTENNA INSTALLED ON SB8
5-2-2023

SIGNAL RECONSTRUCT 2019

REVISION

REV. NO.	INSTALL LOOPS, NEW CONDUIT & PULLBOXES ON THE SB APPROACH, REINSTALLED SB19 & SB20, NEW APS PUSH BUTTONS			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
2	DATE	BY	DATE	BY
	8/4/25	JMM	8/13/25	JK

8/4/25 MAS

TRAFFIC CONTROL SIGNAL
STH 31 & STH 11
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0070
CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 11/6/19 JARRETT GATES
REGION TRAFFIC ENGINEER

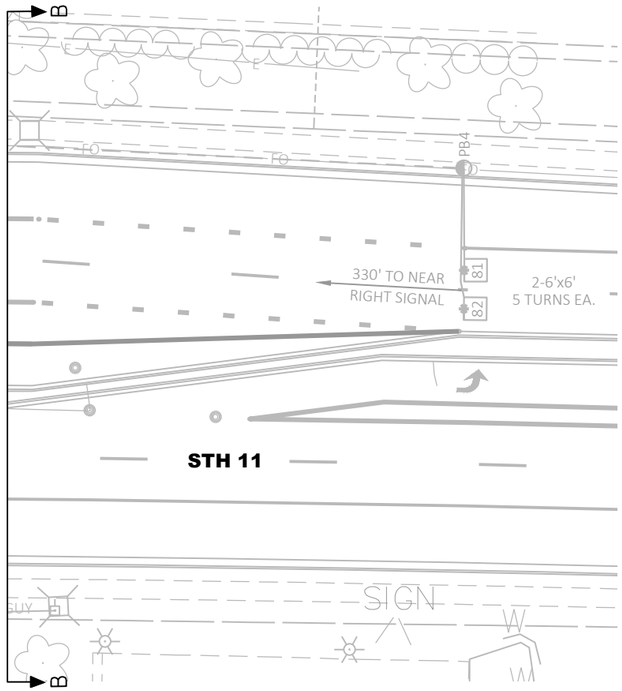
APPROVED
DATE 11/11/19 JEREMY R. IWEN
STATE TRAFFIC ENGINEER

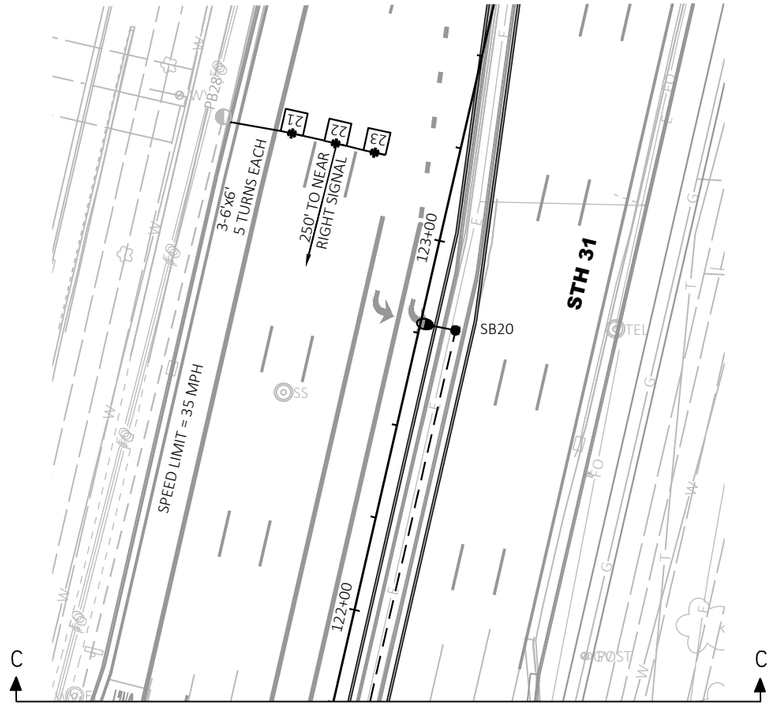
REGION CONTACT: JOYCE MURPHY
DESIGNED BY:
REVISED BY: EMCS INC.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLANS	SHEET 236	E

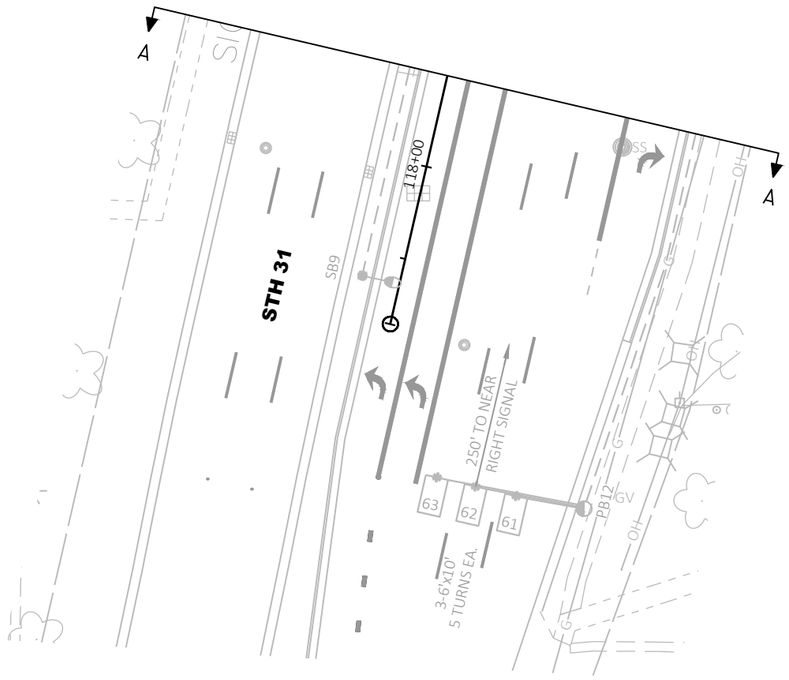
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024201-SP-EMCS.DWG
LAYOUT NAME - STH 11
PLOT DATE : 7/29/2025 1:51 PM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

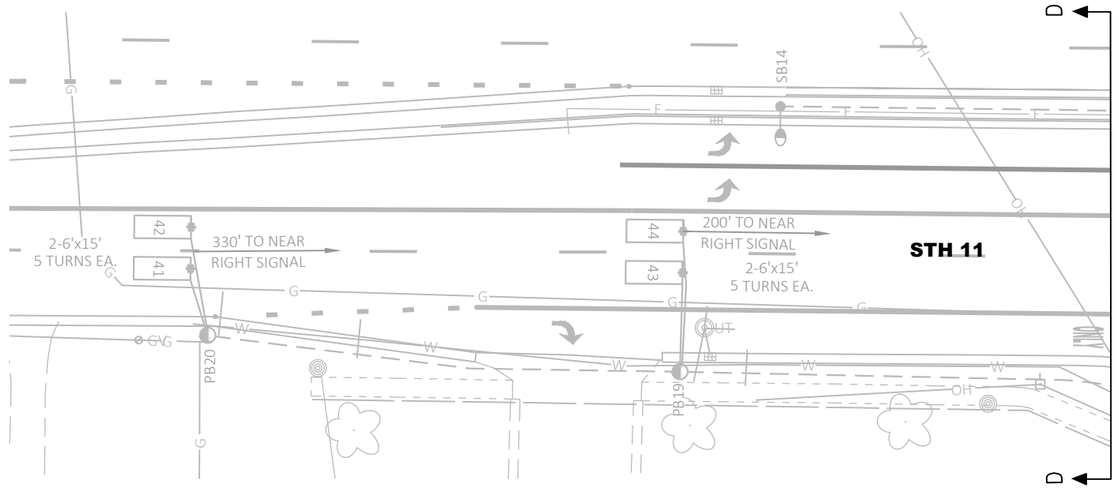
2











TRAFFIC CONTROL SIGNAL
STH 31 & STH 11
CITY OF RACINE
RACINE

SIGNAL NO. S51-0070

REGION CONTACT: JOYCE MURPHY
DESIGNED BY:
REVISED BY: EMCS INC.

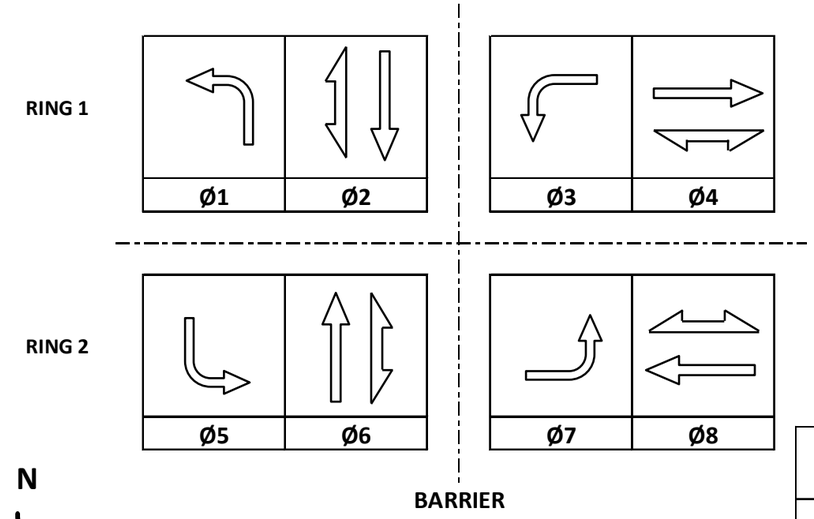
PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 237	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024201-SP-EMCS.DWG
LAYOUT NAME - STH 11- 2

PLOT DATE : 7/29/2025 1:52 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN: 40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	18,19,20	R
Ø4	21,22,23	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7	24,25,26	R
Ø8	15,16,17	R
Ø2P	31,32	
Ø4P	29,30	
Ø6P	27,28	
Ø8P	33,34	



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0037

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43		49	50	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	13	21	23	32	34	42	44	46	48	52	54	62	71	73	81	83	85	87				APS	APS	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	2	2	3	3	4	4	4	4	5	5	6	7	7	8	8	8	8				2	6	CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	CALL OPTION
DELAY TIME							X	X								X	X								DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	EXTENTION OPTION
EXTEND TIME																									EXTEND TIME
USE ADDED INITIAL			X	X									X				X								USE ADDED INITIAL
CROSS SWITCH PHASE																									CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44		51	52	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	14	22	31	33	41	43	45	47	51	53	61	63	72	74	82	84	86	88				APS	APS	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	2	3	3	4	4	4	4	5	5	6	6	7	7	8	8	8	8				4	8	CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	CALL OPTION
DELAY TIME						X	X									X	X								DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	EXTENTION OPTION
EXTEND TIME																									EXTEND TIME
USE ADDED INITIAL			X				X					X	X				X								USE ADDED INITIAL
CROSS SWITCH PHASE																									CROSS SWITCH PHASE

STH 31 & STH 11
VILLAGE OF MT PLEASANT/ CITY OF RACINE
RACINE COUNTY

SIGNAL NO: S51-0070 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: PAGE NUMBER: 3 OF 3

Project No:	2390-12-70
Intersection:	STH 31 & STH 11

Signal Wire Color Coding	BLK-black	RED-red	GRN-green
	WHT-white	BLU-blue	ORG-orange

CB1 TO	AWG 14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB2	12	26				RED	ORG	GRN					
		18				RED/BLK	ORG/BLK	GRN/BLK					
SB4	7	22	RED	ORG	GRN								
		23	RED	ORG	GRN								
SB6	7	28								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB7	12	1	RED	ORG	GRN								
		13				RED/BLK	ORG/BLK	GRN/BLK					
		29								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB8	15	5				RED	ORG	GRN					
		9	RED/BLK	ORG/BLK	GRN/BLK								
		10	RED/BLK	ORG/BLK	GRN/BLK								
		11	RED/BLK	ORG/BLK	GRN/BLK								
		14				RED/WHT	BLU/WHT	GRN/WHT					
SB11	7	30								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB12	12	19				RED/BLK	ORG/BLK	GRN/BLK					
		21	RED	ORG	GRN								
		31								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB13	**12**	**20**				**RED/BLK**	**ORG/BLK**	**GRN/BLK**					
		24				**RED**	**ORG**	**GRN**					
SB15	**7**	**16**	**RED**	**ORG**	**GRN**								
		17	**RED**	**ORG**	**GRN**								
SB17	**7**	**32**								**BLK**	**BLU**		
		B										**WHT/BLK**	**BLK/WHT**
SB18	**12**	**6**				**RED**	**ORG**	**GRN**					
		8	**RED/BLK**	**ORG/BLK**	**GRN/BLK**								
		33								**BLK**	**BLU**		
		B										**WHT/BLK**	**BLK/WHT**
SB19	**12**	**7**				**RED**	**ORG**	**GRN**					
		12	**RED/BLK**	**ORG/BLK**	**GRN/BLK**								
SB21	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		34								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB22	12	15	RED	ORG	GRN								
		25				RED/BLK	ORG/BLK	GRN/BLK					
		27								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
From	To
CB1	SB2
SB2	SB4
SB4	SB6
SB6	SB7
SB7	SB8
SB8	SB11
SB11	SB12
SB12	**SB13**
SB13	**SB15**
SB15	**SB17**
SB17	**SB18**
SB18	**SB19**
SB19	**SB21**
SB21	SB22
SB22	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
CB1	PB1
SB2	PB5
SB2	PB6
SB4	PB7
SB4	PB8
SB7	PB9
SB7	PB10
SB7	PB11
SB8	PB13
SB8	PB14
SB8	PB15
SB12	PB16
SB12	PB17
SB12	PB18
SB13	**PB21**
SB13	**PB22**
SB15	**PB23**
SB15	**PB24**
SB18	**PB25**
SB18	**PB26**
SB18	**PB27**
SB19	**PB29**
SB19	**PB30**
CB1	PB31
CB1	PB32
SB21	PB33

EMERGENCY VEHICLE PREEMPTION	
From	To
CB1	SB8 (HEAD A)
CB1	SB21 (HEAD B)
CB1	SB4 (HEAD C)
CB1	SB15 (HEAD D)

LIGHTING UF 12 AWG W/GROUND	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB5
SB5	SB8
SB8	SB9
CB1	**SB20**
SB20	**SB19**
SB19	**SB16**
SB16	SB14
SB14	**SB13**
SB13	**SB10**

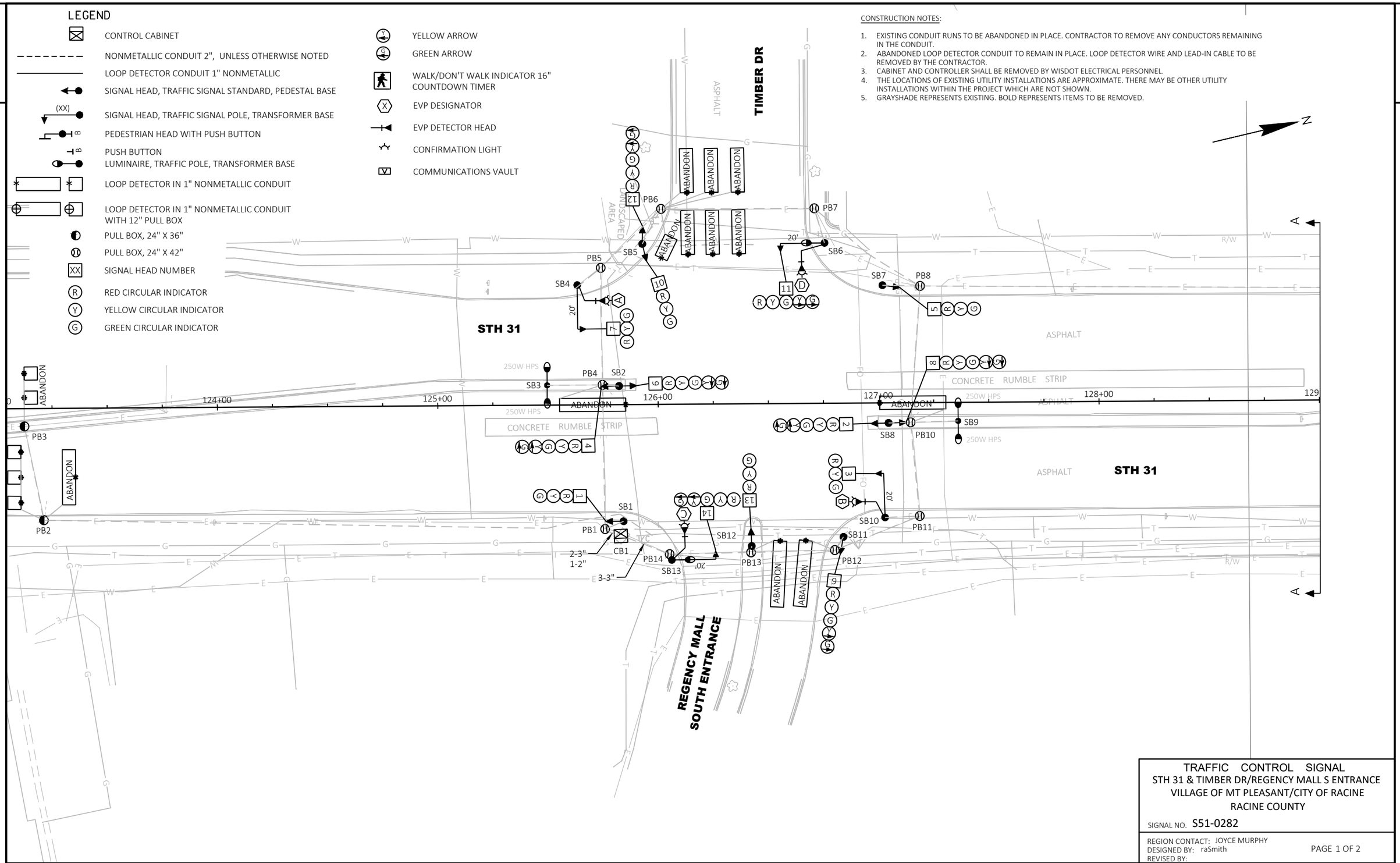
NOTES: USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNDERGROUND CONDUCTORS.
AT THE SIGNAL BASES, CONNECT ON TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
GRAY-SHADE REPRESENTS EXISTING.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT WITH 12" PULL BOX
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" COUNTDOWN TIMER
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- COMMUNICATIONS VAULT

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 241 E

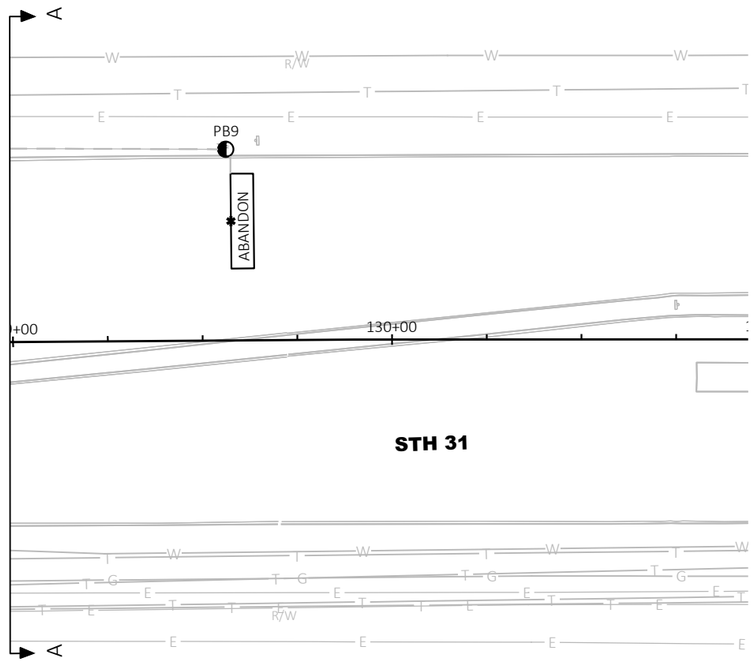
TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S ENTRANCE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0282

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Timber
PLOT DATE : 4/7/2025 1:25 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S ENTRANCE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0282

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 242	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Timber (2)

PLOT DATE : 4/7/2025 1:25 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

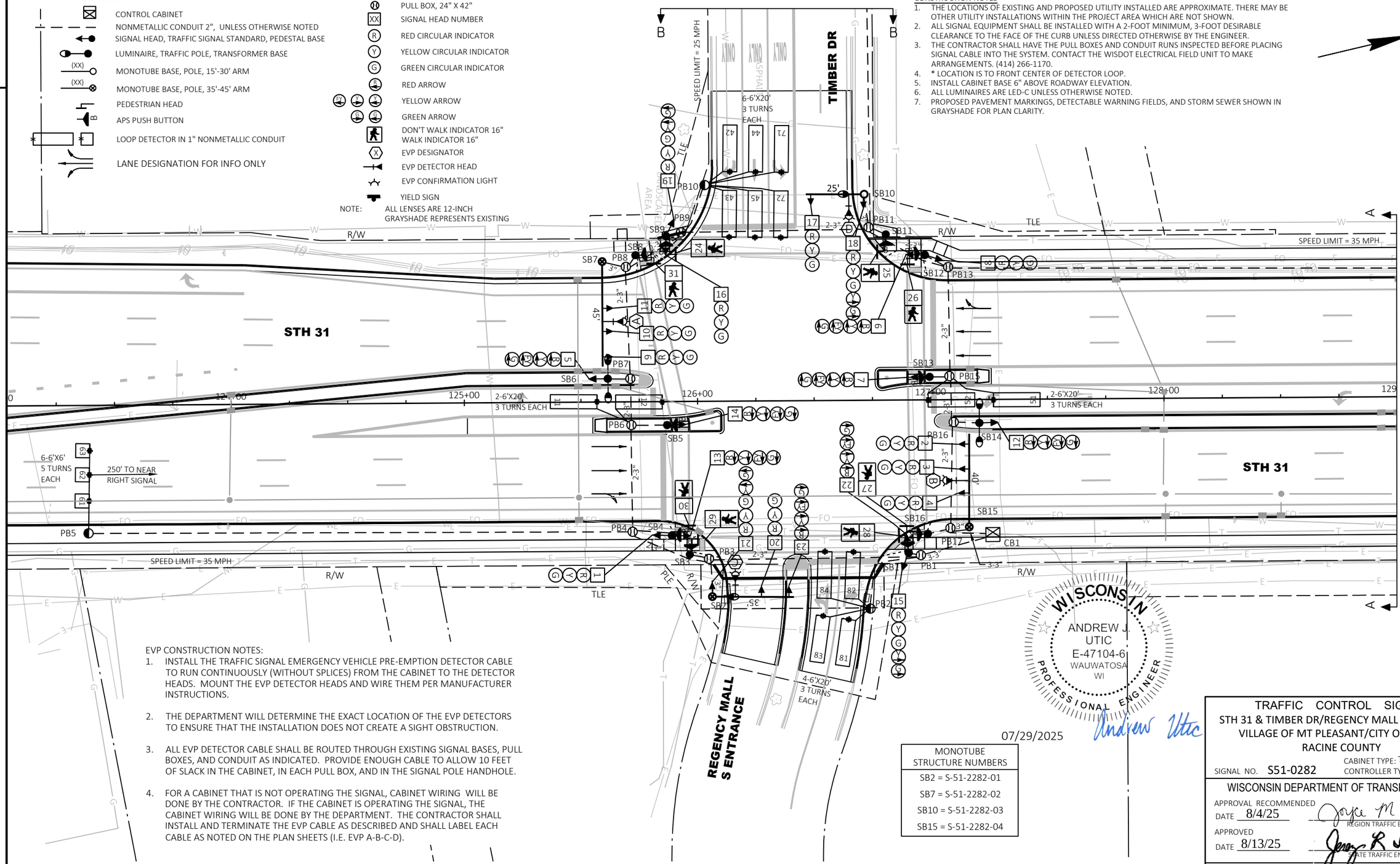
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD
- APS PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION FOR INFO ONLY
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- EVP CONFIRMATION LIGHT
- YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED WITH A 2-FOOT MINIMUM, 3-FOOT DESIRABLE CLEARANCE TO THE FACE OF THE CURB UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
3. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
6. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
7. PROPOSED PAVEMENT MARKINGS, DETECTABLE WARNING FIELDS, AND STORM SEWER SHOWN IN GRAYSHADE FOR PLAN CLARITY.



EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

WISCONSIN
ANDREW J. UTIC
E-47104-6
WAUWATOSA
WI
PROFESSIONAL ENGINEER

07/29/2025

MONOTUBE STRUCTURE NUMBERS
SB2 = S-51-2282-01
SB7 = S-51-2282-02
SB10 = S-51-2282-03
SB15 = S-51-2282-04

TRAFFIC CONTROL SIGNAL

STH 31 & TIMBER DR/REGENCY MALL S ENTRANCE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0282
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/4/25 — Joyce M Murphy — REGION TRAFFIC ENGINEER

APPROVED
DATE 8/13/25 — Jason R Luer — STATE TRAFFIC ENGINEER

REGION CONTACT: JOYCE M URPHY
DESIGNED BY: raSmith
REVISED BY:

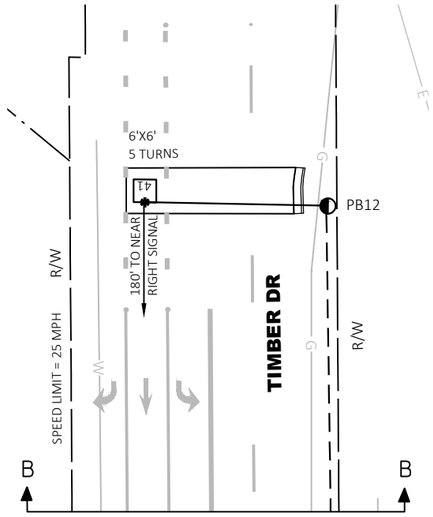
PAGE 1 OF 3

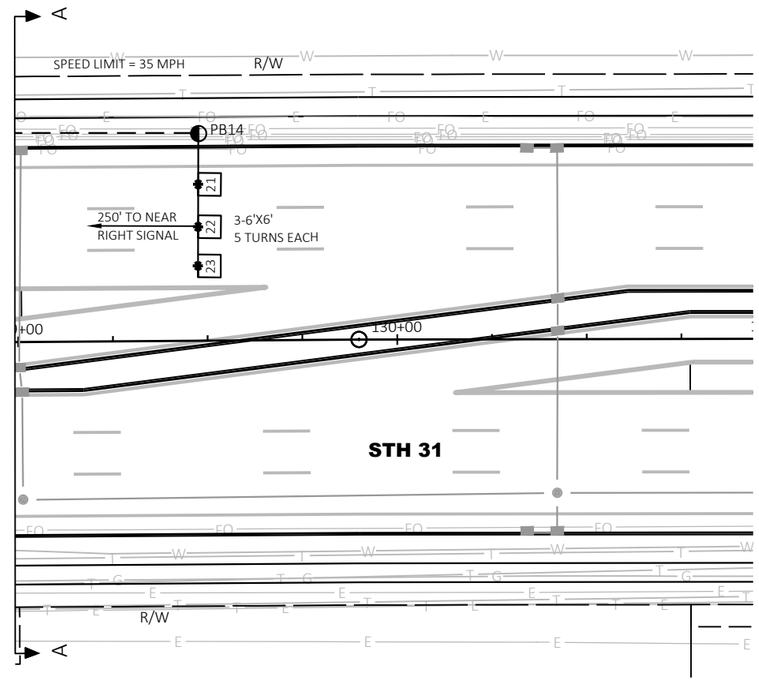
8/4/25

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 243	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Timber
PLOT DATE : 7/29/2025 4:15 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2





TRAFFIC CONTROL SIGNAL
STH 31 & TIMBER DR/REGENCY MALL S ENTRANCE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0282

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

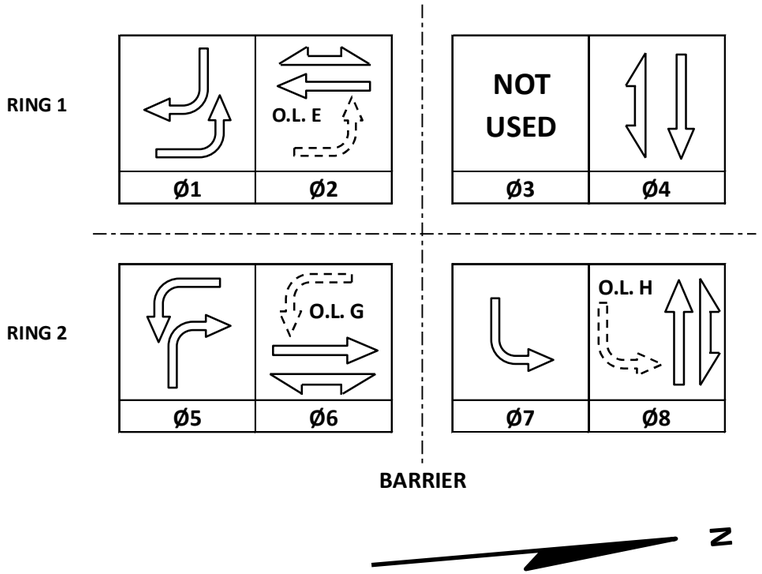
PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 244	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Timber (2)

PLOT DATE : 7/29/2025 4:17 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7,19,21	R ←
Ø2	8,9,10,11	R
Ø3		
Ø4	19,20,21	R
Ø5	12,13,14,15,18	R ←
Ø6	1,2,3,4	R
Ø7	22,23	R ←
Ø8	15,16,17,18	R
Ø2P	24,25	
Ø4P	30,31	
Ø6P	28,29	
Ø8P	26,27	
OLE	5,6,7	-
OLF		
OLG	12,13,14	-
OLH	22,23	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↓
PHASE	2+5	6+1	4+7	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0037

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27		49	50	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	42	44	51	61	63	71	82	84				APS	APS	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	5	6	6	8	8	8				2	6	CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X	X				X	X	CALL OPTION
DELAY TIME				X						X							DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X				X	X	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL		X	X				X	X									USE ADDED INITIAL
CROSS SWITCH PHASE	2					6			8								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28		51	52	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	41	43	45	52	62	81	72	83					APS	APS	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	4	4	4	5	6	8	8	8					4	8	CALLED PHASE
CALL OPTION	X	X		X	X	X	X	X	X	X					X	X	CALL OPTION
DELAY TIME				X				X	X								DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X					X	X	EXTENTION OPTION
EXTEND TIME			X														EXTEND TIME
USE ADDED INITIAL		X					X										USE ADDED INITIAL
CROSS SWITCH PHASE	2					6			8								CROSS SWITCH PHASE

STH 31 & TIMBER DR/REGENCY MALL S ENTRANCE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY
SIGNAL NO: S51-0282 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 8/2025 PAGE NUMBER: 3 OF 3

PROJECT ID:	2390-12-70
INTERSECTION:	STH 31 & TIMBER DR/ REGENCY MALL S ENTRANCE

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	15	15	RED/BLK	ORG/BLK	GRN/BLK		BLU/WHT	GRN/WHT					
		22				RED	ORG	GRN	BLK/WHT				
		28								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB2	12	20	RED	ORG	GRN								
		21	RED	ORG	GRN		ORG/BLK	GRN/BLK					
		23				RED/BLK	BLK	BLU	BLK/WHT				
SB3	7	29								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB4	15	1	RED	ORG	GRN								
		13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		30								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB5	12	14				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB6	7	5				RED	ORG	GRN	BLK				
SB7	12	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		11	RED	ORG	GRN								
SB8	7	31								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB9	15	16	RED/BLK	BLU/WHT	GRN/WHT								
		19	RED	ORG	GRN		ORG/BLK	GRN/BLK					
		24								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB 10	12	17	RED	ORG	GRN								
		18	RED	ORG	GRN		ORG/BLK	GRN/BLK					
SB 11	7	25								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB 12	15	6				RED	ORG	GRN	BLK/WHT				
		8	RED/BLK	ORG/BLK	GRN/BLK								
		26								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB 13	12	7				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB 14	7	12				RED	ORG	GRN	BLK				
SB 15	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
SB 16	7	27								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded cond
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	SB1
PB3	SB2
PB4	SB4
PB6	SB5
PB7	SB6
PB8	SB7
PB9	SB9
PB11	SB10
PB13	SB12
PB15	SB13
PB16	SB14
PB17	SB15

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB2
SB2	SB6
CB1	SB14
SB14	SB10

Emergency Vehicle Preemption	
From	To
CB1	HEAD A (SB7)
CB1	HEAD B (SB15)
CB1	HEAD C (SB2)
CB1	HEAD D (SB10)

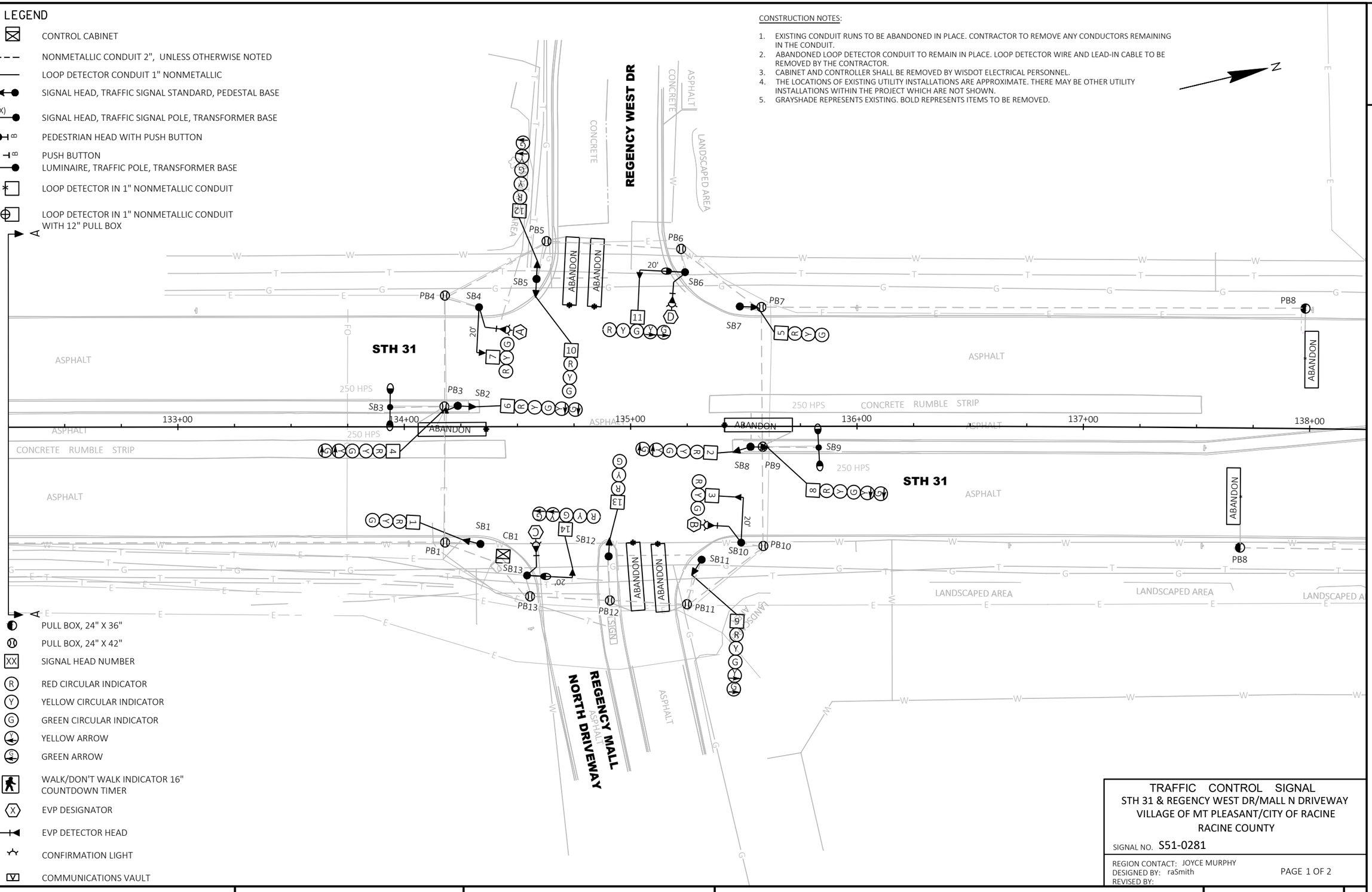
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LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT WITH 12" PULL BOX

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" COUNTDOWN TIMER
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- V COMMUNICATIONS VAULT

TRAFFIC CONTROL SIGNAL
STH 31 & REGENCY WEST DR/MALL N DRIVEWAY
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0281

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 247	E

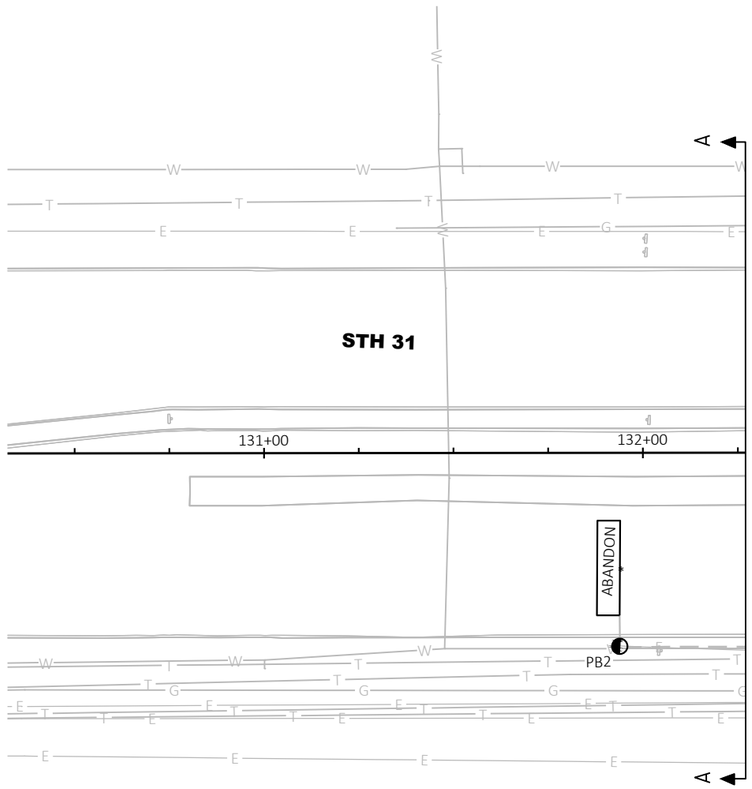
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - RegencyW

PLOT DATE : 4/7/2025 1:26 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N



TRAFFIC CONTROL SIGNAL
STH 31 & REGENCY WEST DR/MALL N ENTRANCE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0281

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 248	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - RegencyW (2)

PLOT DATE : 4/7/2025 1:26 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

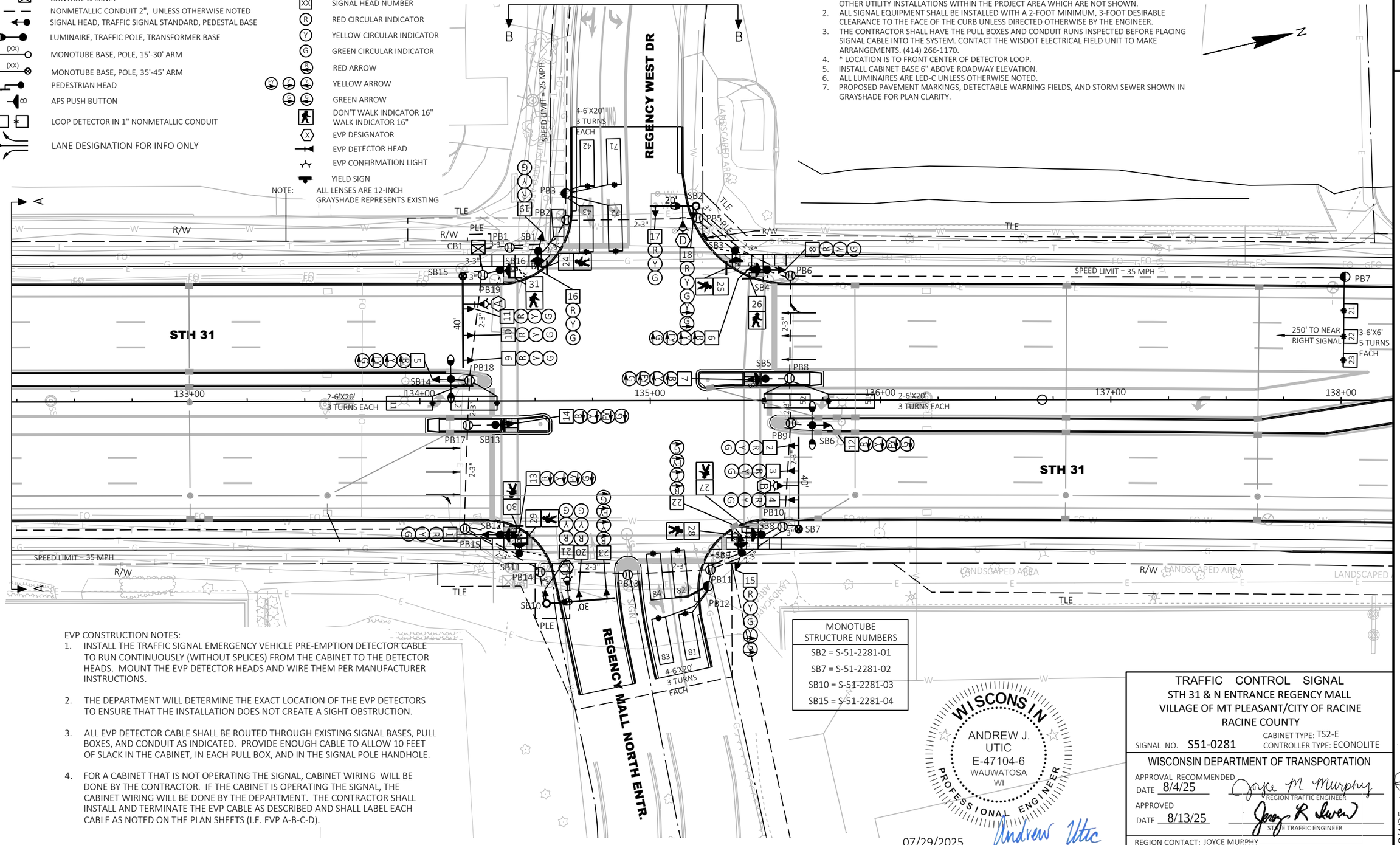
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD
- APS PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION FOR INFO ONLY
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- EVP CONFIRMATION LIGHT
- YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED WITH A 2-FOOT MINIMUM, 3-FOOT DESIRABLE CLEARANCE TO THE FACE OF THE CURB UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
3. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
6. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
7. PROPOSED PAVEMENT MARKINGS, DETECTABLE WARNING FIELDS, AND STORM SEWER SHOWN IN GRAYSHADE FOR PLAN CLARITY.



EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

MONOTUBE STRUCTURE NUMBERS
SB2 = S-51-2281-01
SB7 = S-51-2281-02
SB10 = S-51-2281-03
SB15 = S-51-2281-04

WISCONSIN
ANDREW J. UTIC
E-47104-6
WAUWATOSA
WI
PROFESSIONAL ENGINEER

07/29/2025

TRAFFIC CONTROL SIGNAL
STH 31 & N ENTRANCE REGENCY MALL
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0281
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/4/25 — REGION TRAFFIC ENGINEER

APPROVED
DATE 8/13/25 — STATE TRAFFIC ENGINEER

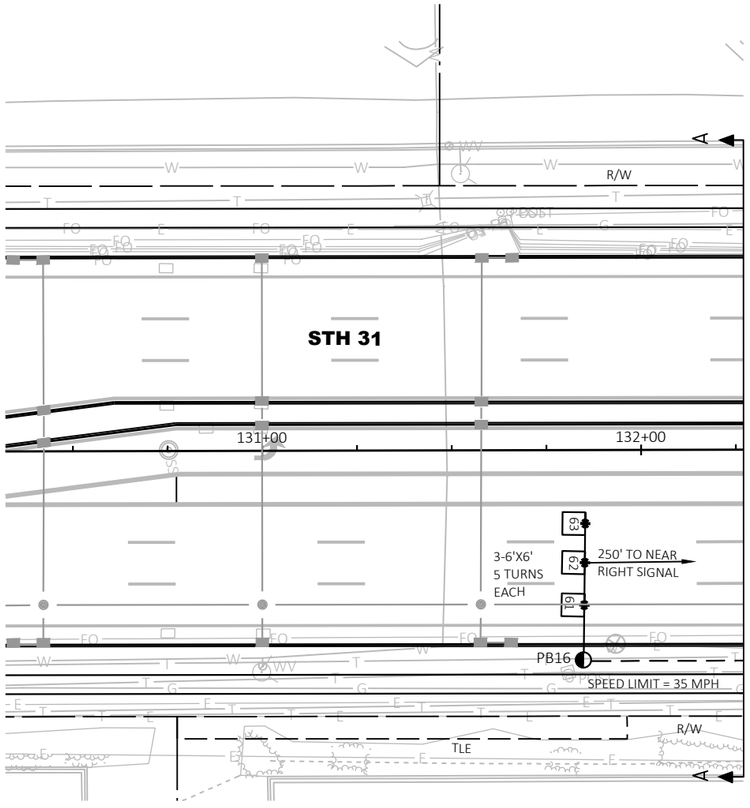
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

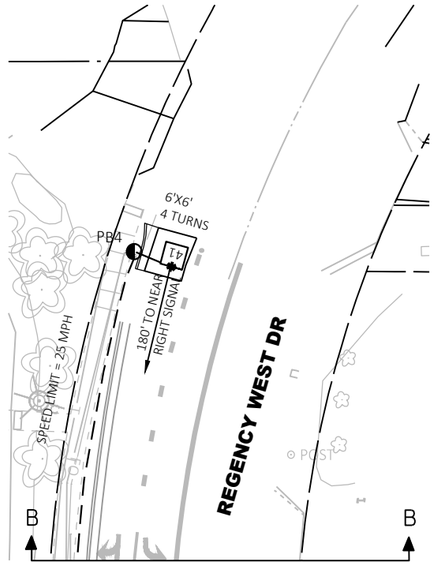
PAGE 1 OF 3

8/4/25

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 249	E

2





TRAFFIC CONTROL SIGNAL
STH 31 & N ENTRANCE REGENCY MALL
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0281

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

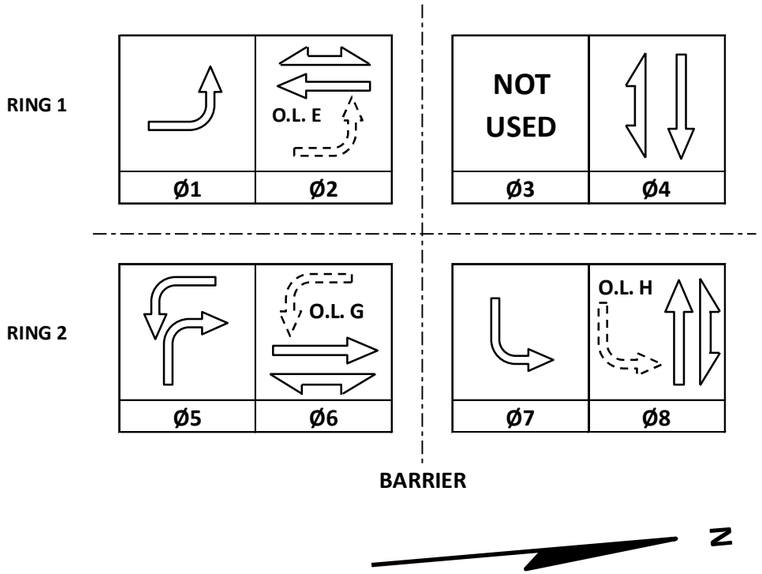
PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 250	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024202-SP.DWG
LAYOUT NAME - RegencyW (2)

PLOT DATE : 7/29/2025 4:21 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ←
Ø2	8,9,10,11	R
Ø3		
Ø4	19,20,21	R
Ø5	12,13,14,15,18	R ←
Ø6	1,2,3,4	R
Ø7	22,23	R ←
Ø8	15,16,17,18	R
Ø2P	24,25	
Ø4P	30,31	
Ø6P	28,29	
Ø8P	26,27	
OLE	5,6,7	-
OLF		
OLG	12,13,14	-
OLH	22,23	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0037

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

																	DETECTOR INPUT
DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27		49	50	
PLAN LOOP DETECTOR*(S)	11	21	23	42	51	61	63	72	82	84					APS	APS	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	5	6	6	7	8	8					2	6	CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X					X	X	CALL OPTION
DELAY TIME				X				X	X								DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X					X	X	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL		X	X			X	X										USE ADDED INITIAL
CROSS SWITCH PHASE	2				6			8									CROSS SWITCH PHASE

																	DETECTOR INPUT
DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28		51	52	
PLAN LOOP DETECTOR*(S)	12	22	41	43	52	62	71	81	83						APS	APS	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	4	4	5	6	7	8	8						4	8	CALLED PHASE
CALL OPTION	X	X		X	X	X	X	X	X						X	X	CALL OPTION
DELAY TIME				X				X									DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X						X	X	EXTENTION OPTION
EXTEND TIME			X														EXTEND TIME
USE ADDED INITIAL		X				X											USE ADDED INITIAL
CROSS SWITCH PHASE	2				6		8										CROSS SWITCH PHASE

STH 31 & N ENTRANCE REGENCY MALL
VILLAGE OF MOUNT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO:	S 51-0281	CABINET TYPE: TS2-E	
		CONTROLLER TYPE: ECONOLITE	
DATE:	8/2025	PAGE NUMBER: 3 OF 3	

PROJECT ID:	2390-12-70
INTERSECTION:	STH 31 & N ENTRANCE REGENCY MALL

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	16				RED/BLK	ORG/BLK	GRN/BLK					
		19	RED	ORG	GRN								
		24								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB2	12	17	RED	ORG	GRN								
		18	RED	ORG	GRN		BLK	BLU					
SB3	7	25								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB4	15	6				RED	ORG	GRN	BLK/WHT				
		8	RED/BLK	ORG/BLK	GRN/BLK								
		26								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB5	12	7				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB6	7	12				RED	ORG	GRN	BLK				
SB7	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
SB8	7	27								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB9	15	15	RED/BLK	ORG/BLK	GRN/BLK		BLU/WHT	GRN/WHT					
		22				RED	ORG	GRN	BLK/WHT				
		28								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB10	12	20	RED	ORG	GRN								
		21	RED	ORG	GRN								
		23				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB11	7	29								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB12	15	1	RED	ORG	GRN								
		13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		30								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB13	12	14				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB14	7	5				RED	ORG	GRN	BLK				
SB15	12	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		11	RED	ORG	GRN								
SB16	7	31								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB1
PB5	SB2
PB6	SB4
PB8	SB5
PB9	SB6
PB10	SB7
PB11	SB9
PB13	SB10
PB14	SB10
PB15	SB12
PB17	SB13
PB18	SB14
PB19	SB15

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB2
SB2	SB6
CB1	SB14
SB14	SB10

Emergency Vehicle Preemption	
From	To
CB1	HEAD A (SB15)
CB1	HEAD B (SB7)
CB1	HEAD C (SB10)
CB1	HEAD D (SB2)

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded cond
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

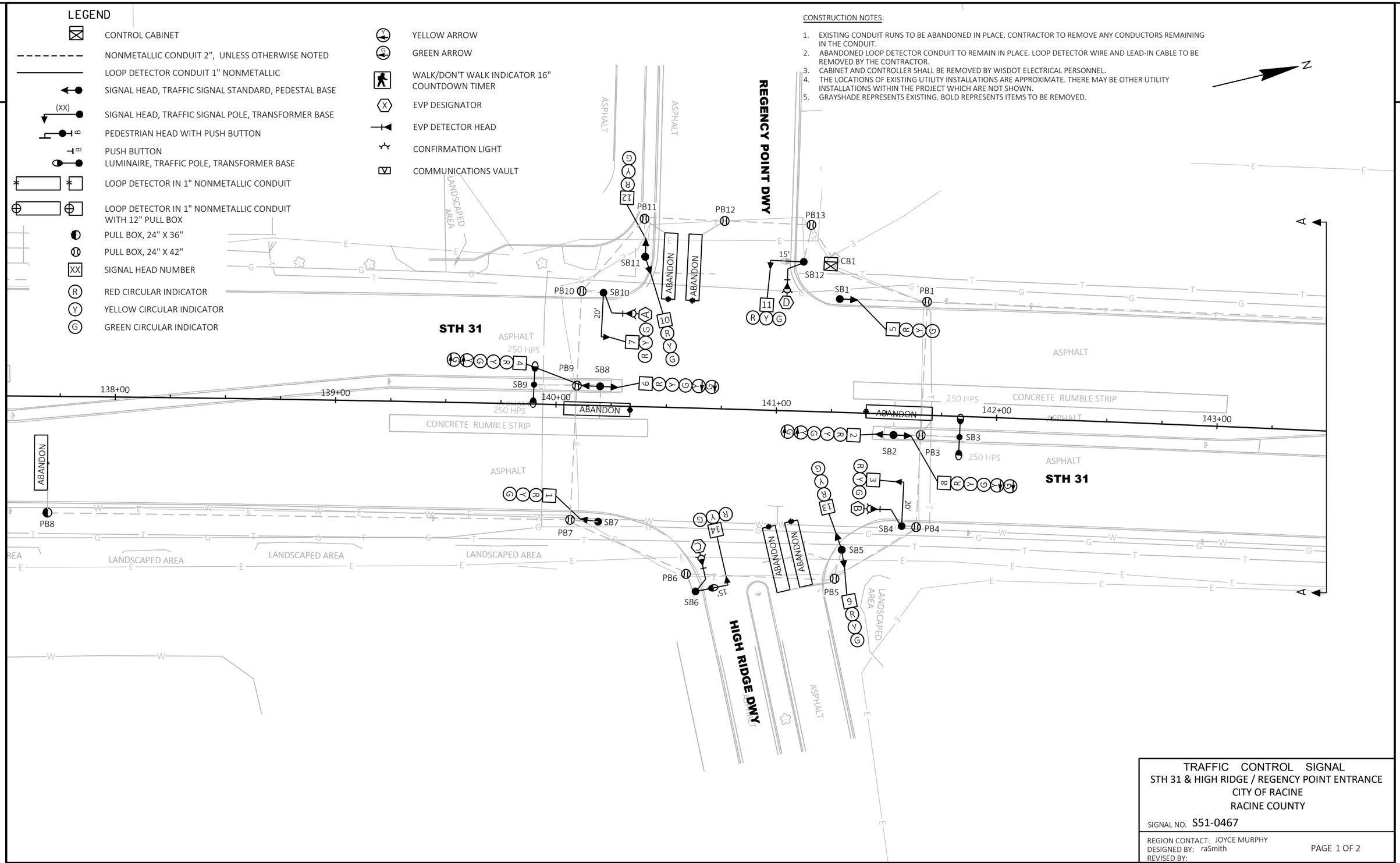
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT WITH 12" PULL BOX
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" COUNTDOWN TIMER
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- COMMUNICATIONS VAULT

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE / REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 2

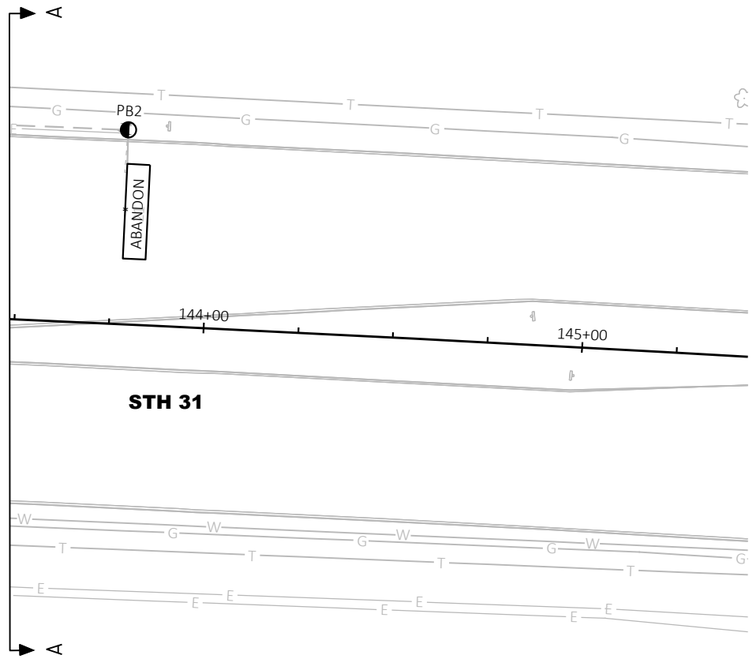
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 253	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - HighRidge
PLOT DATE : 4/7/2025 1:27 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N



TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 254	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - HighRidge (2)

PLOT DATE : 4/7/2025 1:27 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

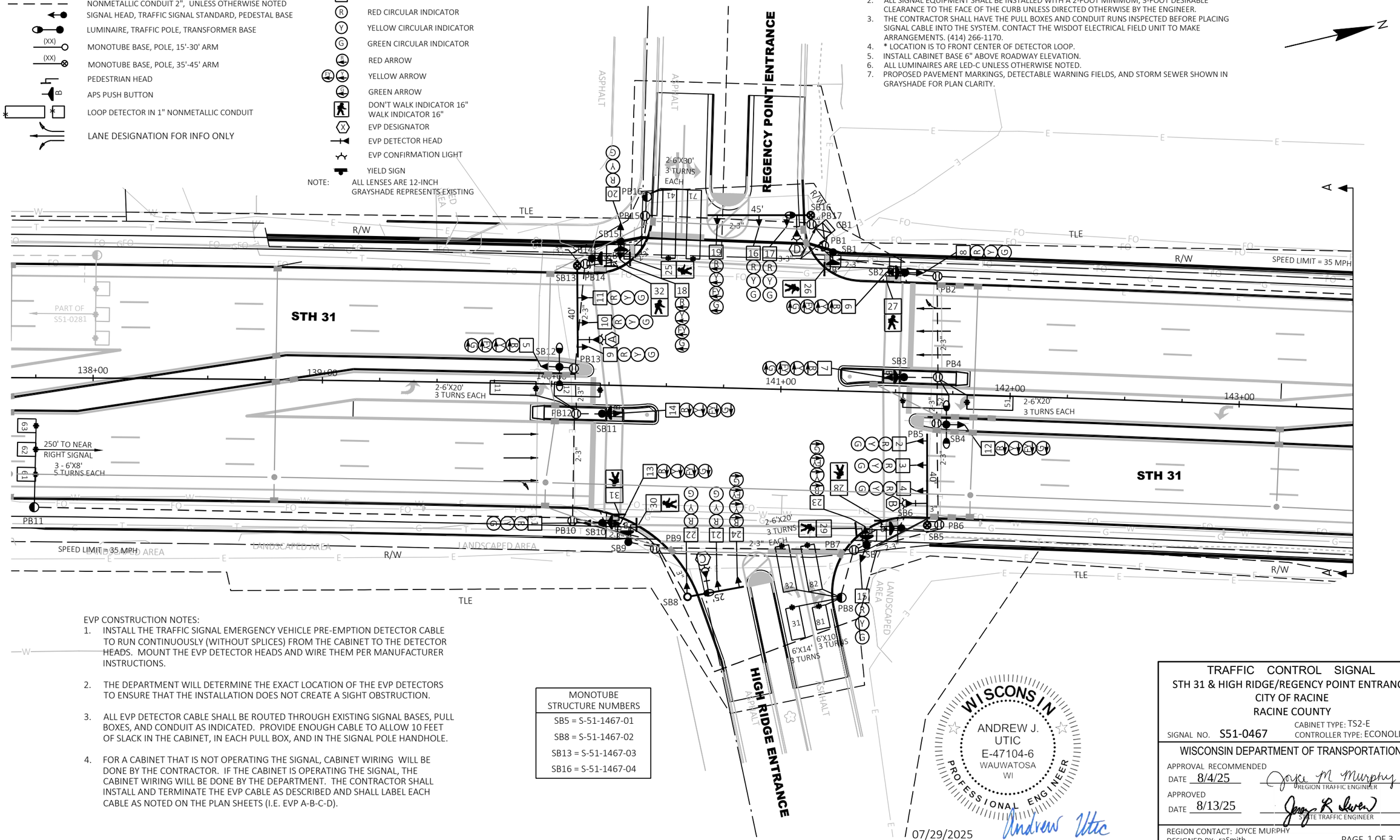
LEGEND

- CONTROL CABINET
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- APS PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
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- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- EVP CONFIRMATION LIGHT
- YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

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3. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
6. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
7. PROPOSED PAVEMENT MARKINGS, DETECTABLE WARNING FIELDS, AND STORM SEWER SHOWN IN GRAYSHADE FOR PLAN CLARITY.



EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
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4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

MONOTUBE STRUCTURE NUMBERS
SB5 = S-51-1467-01
SB8 = S-51-1467-02
SB13 = S-51-1467-03
SB16 = S-51-1467-04

WISCONSIN
ANDREW J. UTIC
E-47104-6
WAUWATOSA
WI
PROFESSIONAL ENGINEER
07/29/2025

TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0467
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/4/25 — Joyce M Murphy, REGION TRAFFIC ENGINEER

APPROVED
DATE 8/13/25 — STATE TRAFFIC ENGINEER

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 3

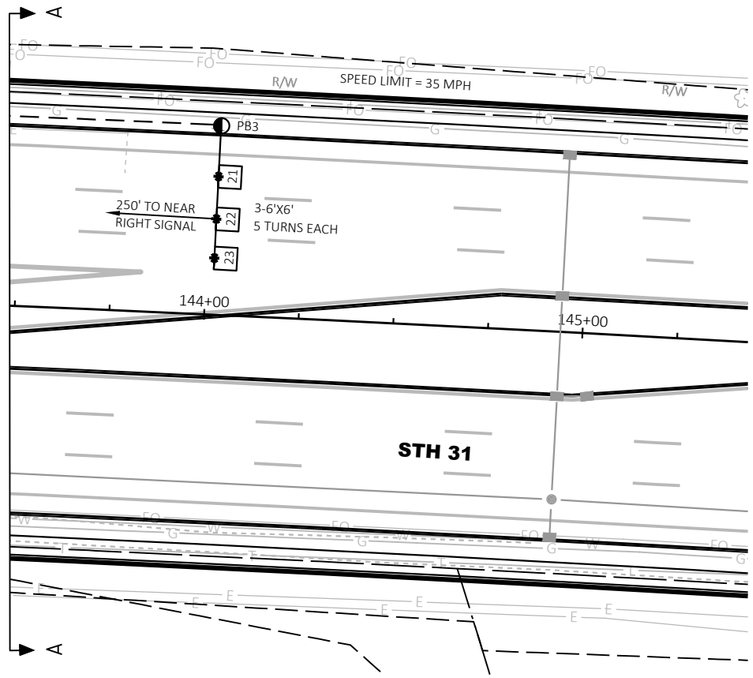
8/4/25

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 255	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024203-SP.DWG
LAYOUT NAME - HighRidge
PLOT DATE : 7/29/2025 4:24 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0467

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

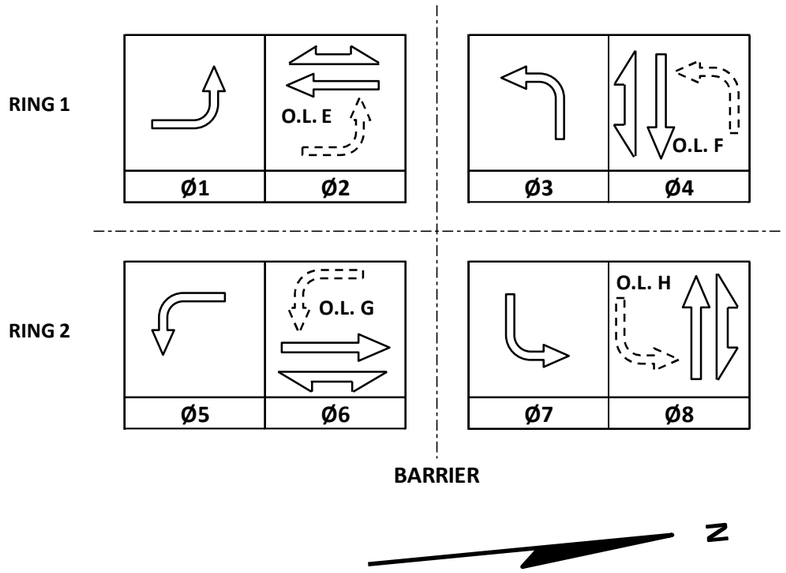
PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 256	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024203-SP.DWG
LAYOUT NAME - HighRidge (2)

PLOT DATE : 7/29/2025 4:25 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	18,19	R
Ø4	20,21,22	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7	23,24	R
Ø8	15,16,17	R
Ø2P	25,26	
Ø4P	31,32	
Ø6P	29,30	
Ø8P	27,28	
OLE	5,6,7	-
OLF	18,19	-
OLG	12,13,14	-
OLH	23,24	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	51-0037

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	32	51	61	63	81
CALLED PHASE	1	2	2	3	5	6	6	8
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME								X
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL		X	X			X	X	
CROSS SWITCH PHASE	2			4	6			

19	17	23	21	27		49	50	DETECTOR INPUT
						APS	APS	PLAN LOOP DETECTOR*(S)
						2	6	CALLED PHASE
						X	X	CALL OPTION
								DELAY TIME
						X	X	EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	31	41	52	62	71	82
CALLED PHASE	1	2	3	4	5	6	7	8
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME				X				X
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL		X				X		
CROSS SWITCH PHASE	2		4		6		8	

20	18	24	22	28		51	52	DETECTOR INPUT
						APS	APS	PLAN LOOP DETECTOR*(S)
						4	8	CALLED PHASE
						X	X	CALL OPTION
								DELAY TIME
						X	X	EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO:	S51-0467	CABINET TYPE:	TS2-E
		CONTROLLER TYPE:	ECONOLITE
DATE:	8/2025	PAGE NUMBER:	3 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO: 257	E

PROJECT ID:	2390-12-70
INTERSECTION:	STH 31 & HIGH RIDGE/REGENCY POINT ENTRANCE

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	7	26								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB2	15	6				RED	ORG	GRN	BLK/WHT				
		8	RED/BLK	ORG/BLK	GRN/BLK								
		27								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB3	12	7				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB4	7	12				RED	ORG	GRN	BLK				
SB5	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
SB6	7	28								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB7	15	15				RED	ORG	GRN	BLK/WHT				
		23	RED/BLK	ORG/BLK	GRN/BLK								
		29								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB8	12	21	RED	ORG	GRN								
		22	RED	ORG	GRN								
		24				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB9	7	30								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB10	15	1	RED	ORG	GRN								
		13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		31								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB11	12	14				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB12	7	5				RED	ORG	GRN	BLK				
SB13	12	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		11	RED	ORG	GRN								
SB14	7	32								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB15	15	20	RED	ORG	GRN								
		18				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		25								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB16	12	16	RED	ORG	GRN								
		17	RED	ORG	GRN								
		19				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB2
PB4	SB3
PB5	SB4
PB6	SB5
PB7	SB7
PB9	SB9
PB10	SB10
PB12	SB11
PB13	SB12
PB14	SB13
PB15	SB15
PB17	SB16

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB4
SB4	SB8
CB1	SB16
SB16	SB12

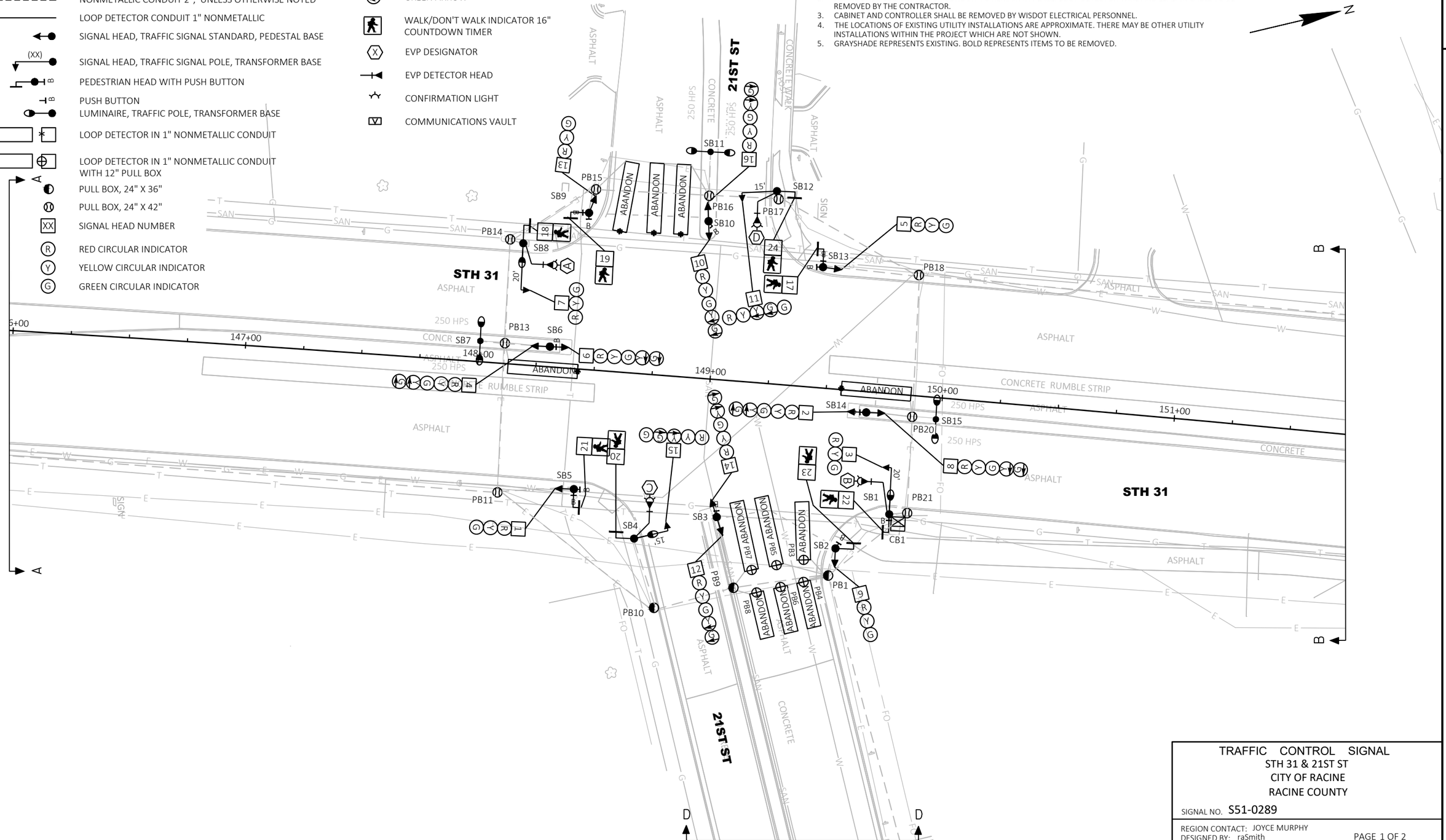
Emergency Vehicle Preemption	
From	To
CB1	HEAD A (SB13)
CB1	HEAD B (SB5)
CB1	HEAD C (SB8)
CB1	HEAD D (SB16)

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT WITH 12" PULL BOX
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" COUNTDOWN TIMER
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- COMMUNICATIONS VAULT

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 259	E

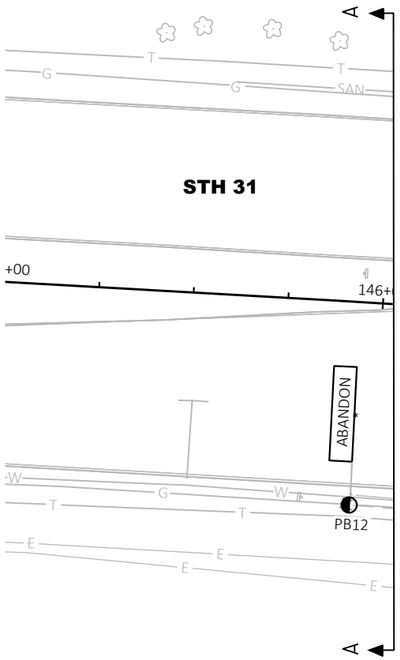
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LAYOUT NAME - 21st

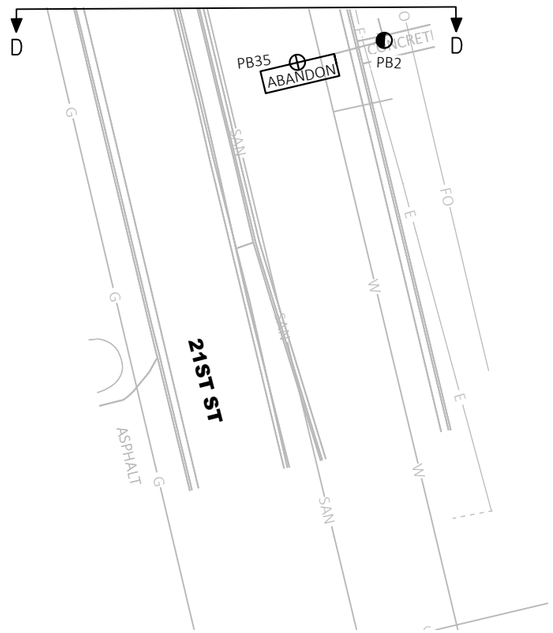
PLOT DATE : 4/7/2025 1:28 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

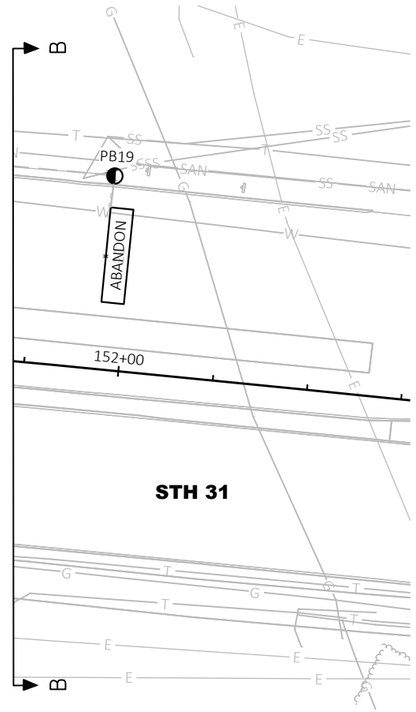
WISDOT/CADDS SHEET 42

2

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TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 260	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 21st (2)

PLOT DATE : 4/7/2025 1:28 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

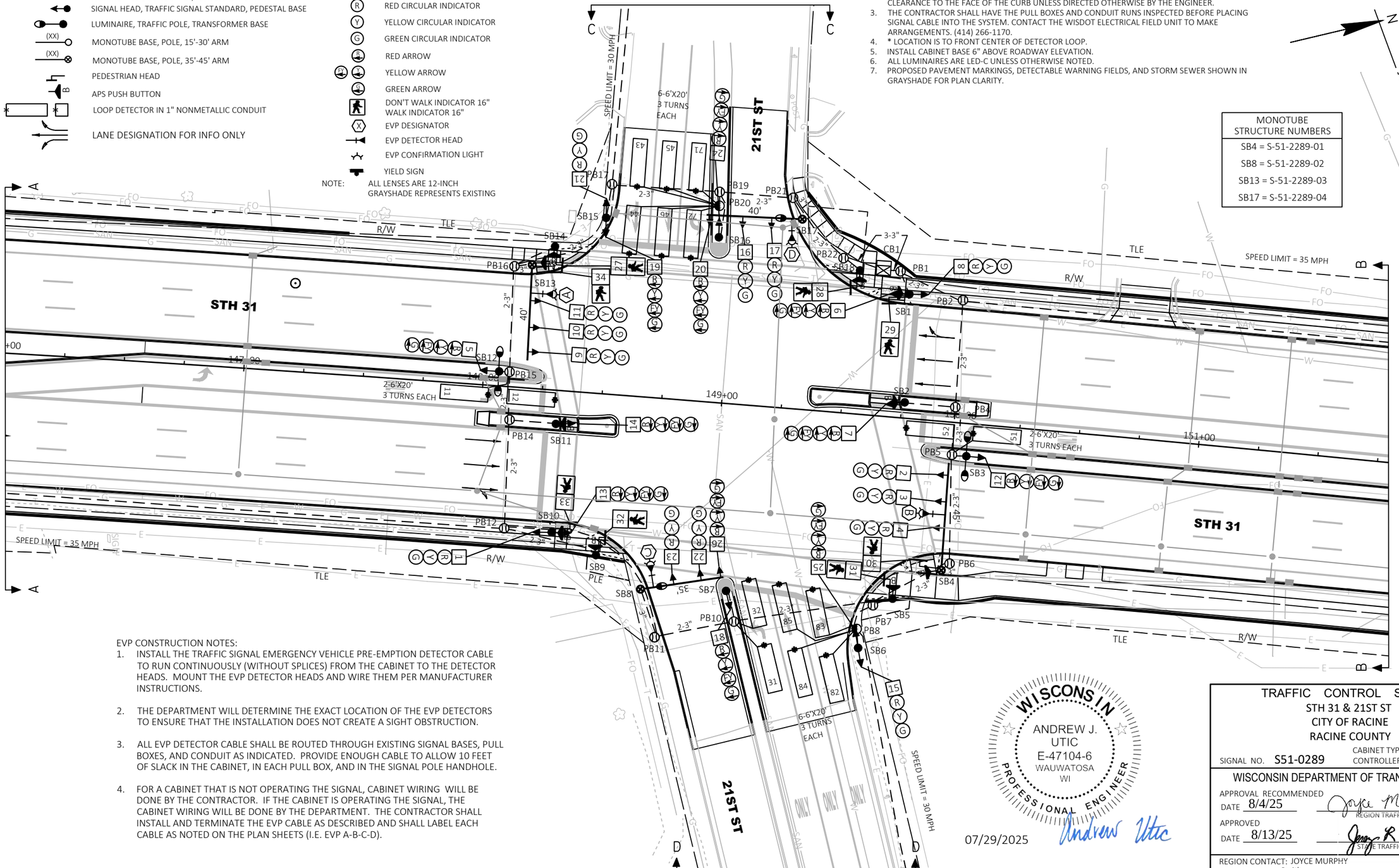
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD
- APS PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION FOR INFO ONLY
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- EVP CONFIRMATION LIGHT
- YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED WITH A 2-FOOT MINIMUM, 3-FOOT DESIRABLE CLEARANCE TO THE FACE OF THE CURB UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
3. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
6. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
7. PROPOSED PAVEMENT MARKINGS, DETECTABLE WARNING FIELDS, AND STORM SEWER SHOWN IN GRAYSHADE FOR PLAN CLARITY.

MONOTUBE STRUCTURE NUMBERS
SB4 = S-51-2289-01
SB8 = S-51-2289-02
SB13 = S-51-2289-03
SB17 = S-51-2289-04



EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

WISCONSIN
ANDREW J. UTIC
E-47104-6
WAUWATOSA
WI
PROFESSIONAL ENGINEER

07/29/2025

Andrew Utic

TRAFFIC CONTROL SIGNAL

STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0289
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/4/25 — Joyce M Murphy — REGION TRAFFIC ENGINEER

APPROVED
DATE 8/13/25 — STATE TRAFFIC ENGINEER

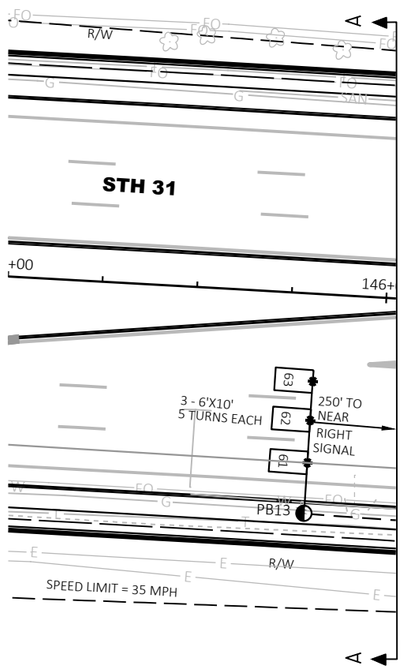
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

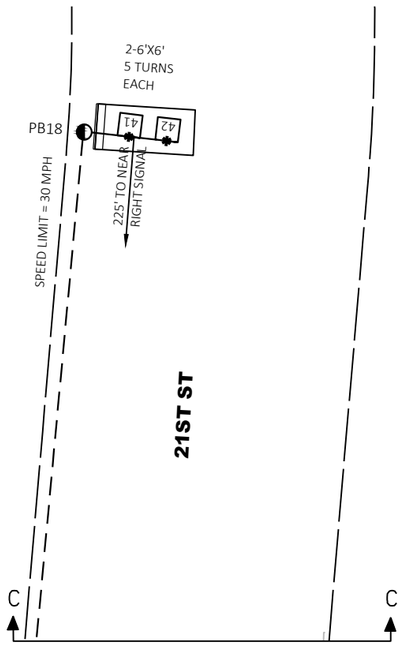
8/4/25

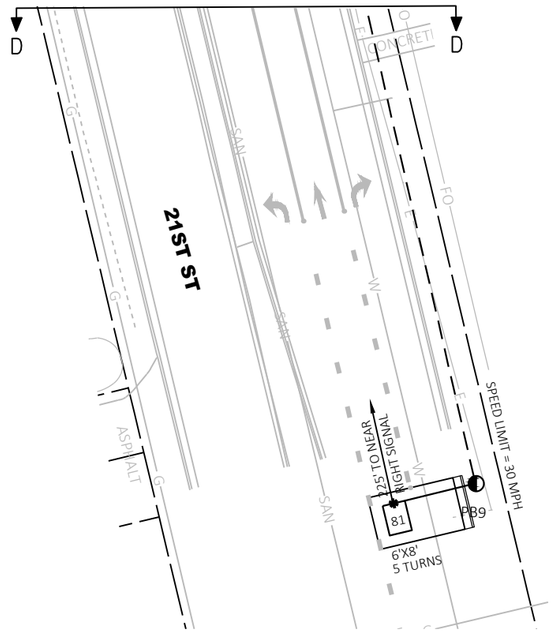
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 261	E

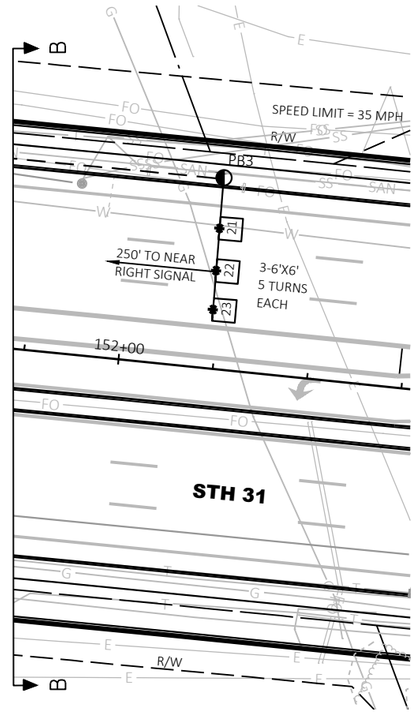
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LAYOUT NAME - 21st
PLOT DATE : 7/29/2025 4:27 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2









TRAFFIC CONTROL SIGNAL
STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0289

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 3

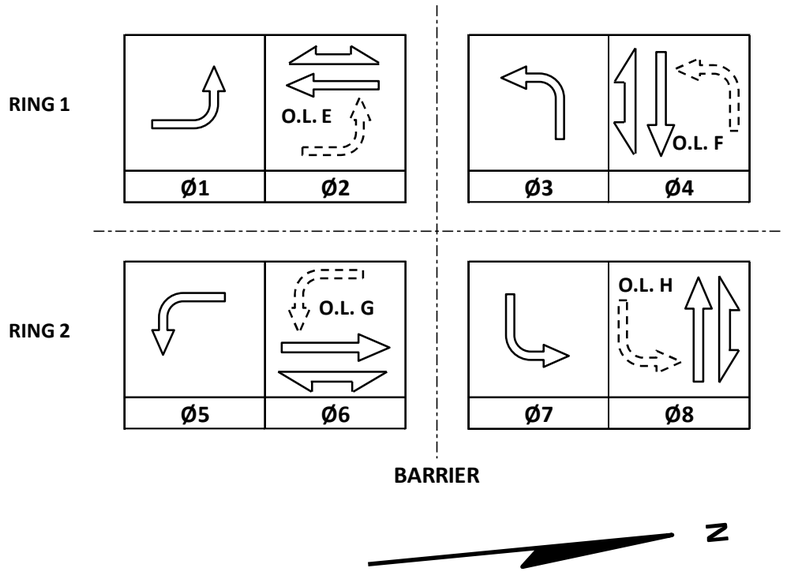
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 262	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024204-SP.DWG
LAYOUT NAME - 21st (2)

PLOT DATE : 7/29/2025 4:30 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ⟵
Ø2	8,9,10,11	R
Ø3	18,19,20	R ⟵
Ø4	21,22,23	R
Ø5	12,13,14	R ⟵
Ø6	1,2,3,4	R
Ø7	24,25,26	R ⟵
Ø8	15,16,17	R
Ø2P	27,28	
Ø4P	33,34	
Ø6P	31,32	
Ø8P	29,30	
OLE	5,6,7	-
OLF	18,19,20	-
OLG	12,13,14	-
OLH	24,25,26	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	⟵	⟶	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	51-0037

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	32	42	44	46	52
CALLED PHASE	1	2	2	3	4	4	4	5
CALL OPTION	X	X	X	X		X	X	X
DELAY TIME						X		
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME					X			
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE	2			4				6

19	17	23	21	27		49	50	DETECTOR INPUT
62	71	81	83	85		APS	APS	PLAN LOOP DETECTOR*(S)
6	7	8	8	8		2	6	CALLED PHASE
X	X		X	X		X	X	CALL OPTION
			X					DELAY TIME
X	X	X	X	X		X	X	EXTENTION OPTION
		X						EXTEND TIME
X								USE ADDED INITIAL
	8							CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	31	41	43	45	51	61
CALLED PHASE	1	2	3	4	4	4	5	6
CALL OPTION	X	X	X		X	X	X	X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME				X				
USE ADDED INITIAL		X						X
CROSS SWITCH PHASE	2		4				6	

20	18	24	22	28		51	52	DETECTOR INPUT
63	72	82	84			APS	APS	PLAN LOOP DETECTOR*(S)
6	7	8	8			4	8	CALLED PHASE
X	X	X	X			X	X	CALL OPTION
		X						DELAY TIME
X	X	X	X			X	X	EXTENTION OPTION
								EXTEND TIME
X								USE ADDED INITIAL
	8							CROSS SWITCH PHASE

STH 31 & 21ST ST
CITY OF RACINE
RACINE COUNTY

SIGNAL NO: S51-0289 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 8/2025 PAGE NUMBER: 3 OF 3

PROJECT ID:	2390-12-70
INTERSECTION:	STH 31 & 21ST ST

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	15	8	RED/BLK	ORG/BLK	GRN/BLK								
		6				RED	ORG	GRN	BLK/WHT				
		29								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB2	12	7				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB3	7	12				RED	ORG	GRN	BLK				
SB4	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		30								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB5	7	31								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB6	12	15	RED/BLK	ORG/BLK	GRN/BLK								
		25				RED	ORG	GRN	BLK/WHT				
SB7	7	18				RED	ORG	GRN	BLK				
SB8	12	22	RED	ORG	GRN								
		23	RED	ORG	GRN								
		26				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB9	7	32								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB10	15	1	RED	ORG	GRN								
		13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		33								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB11	12	14				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB12	7	5				RED	ORG	GRN	BLK				
SB13	12	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		11	RED	ORG	GRN								
		34								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB14	7	27								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB15	12	19				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		21	RED	ORG	GRN								
SB16	7	24				RED	ORG	GRN	BLK				
SB17	12	16	RED	ORG	GRN								
		17	RED	ORG	GRN								
		20				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB18	7	28								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded cond
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	SB17
SB17	SB18
SB18	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB1
PB4	SB2
PB5	SB3
PB6	SB4
PB7	SB5
PB8	SB6
PB10	SB7
PB11	SB8
PB12	SB10
PB14	SB11
PB15	SB12
PB16	SB13
PB17	SB15
PB19	SB16
PB21	SB17
PB22	SB18

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB3
SB3	SB8
CB1	SB17
SB17	SB12

Emergency Vehicle Preemption	
From	To
CB1	HEAD A (SB13)
CB1	HEAD B (SB4)
CB1	HEAD C (SB8)
CB1	HEAD D (SB17)

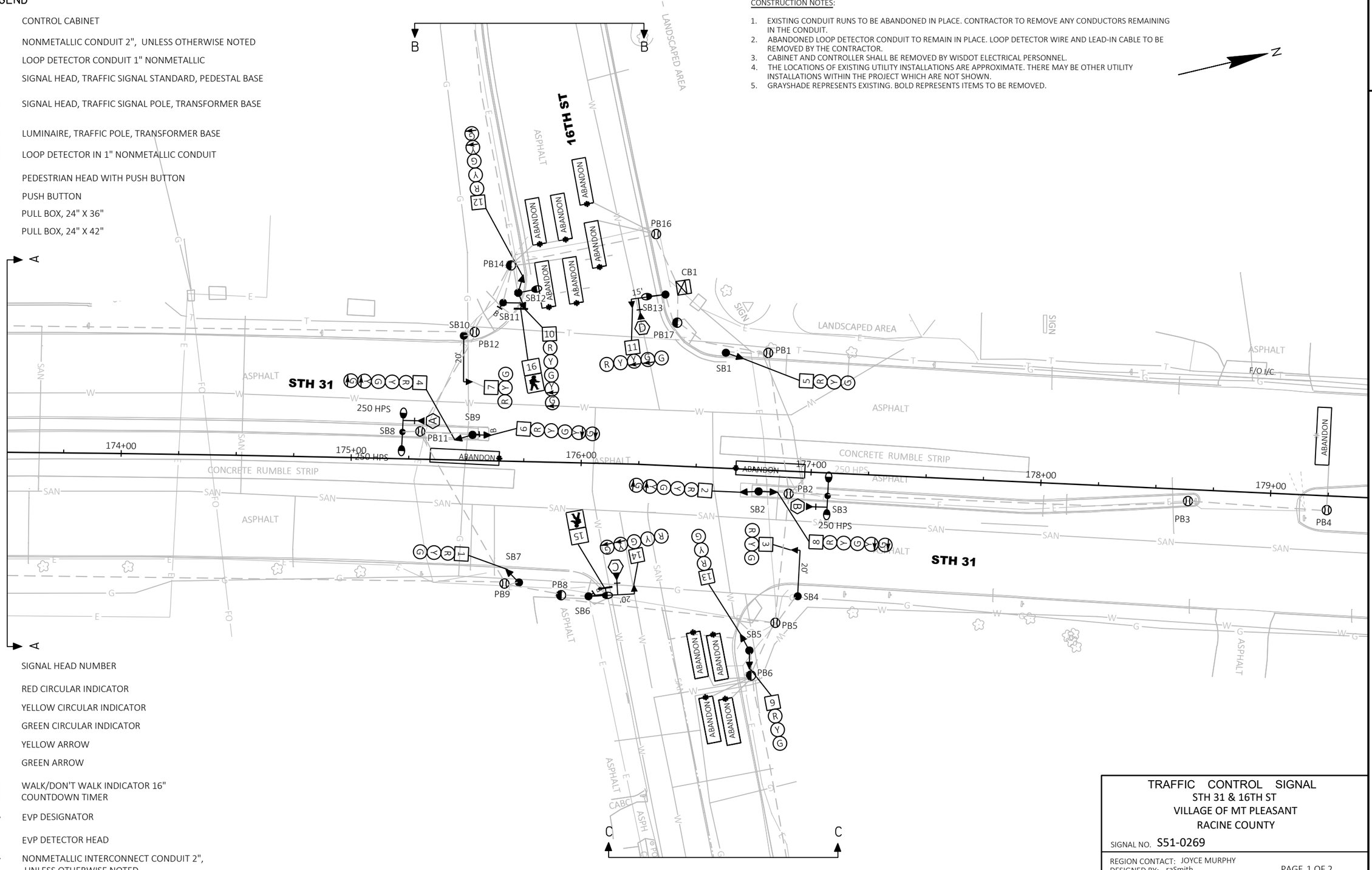
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" COUNTDOWN TIMER
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED

TRAFFIC CONTROL SIGNAL

STH 31 & 16TH ST
VILLAGE OF MT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0269

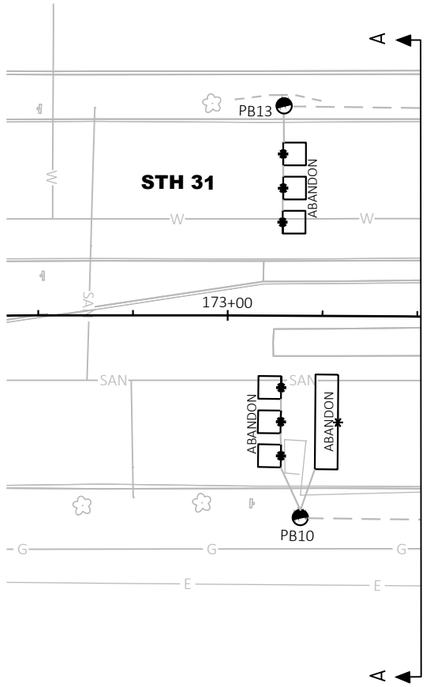
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

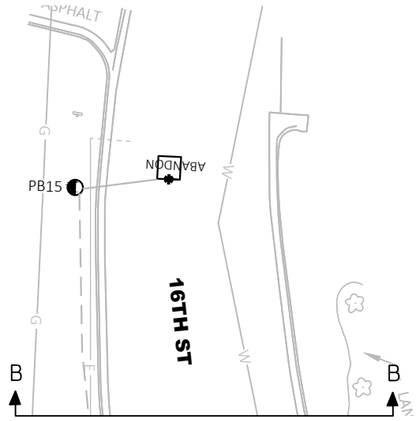
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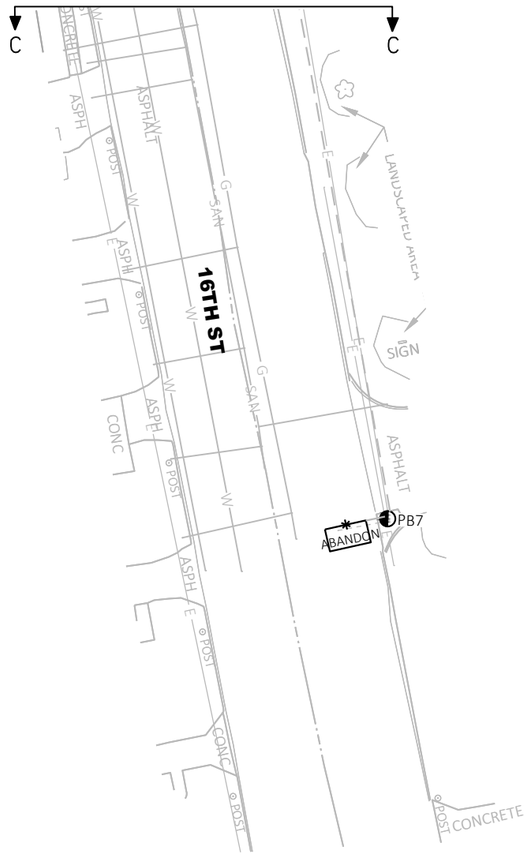
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 265	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 16th
PLOT DATE : 4/7/2025 1:29 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2







TRAFFIC CONTROL SIGNAL
STH 31 & 16TH ST
VILLAGE OF MT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0269

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 266	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 16th (2)

PLOT DATE : 4/7/2025 1:29 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD
- APS PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION FOR INFO ONLY

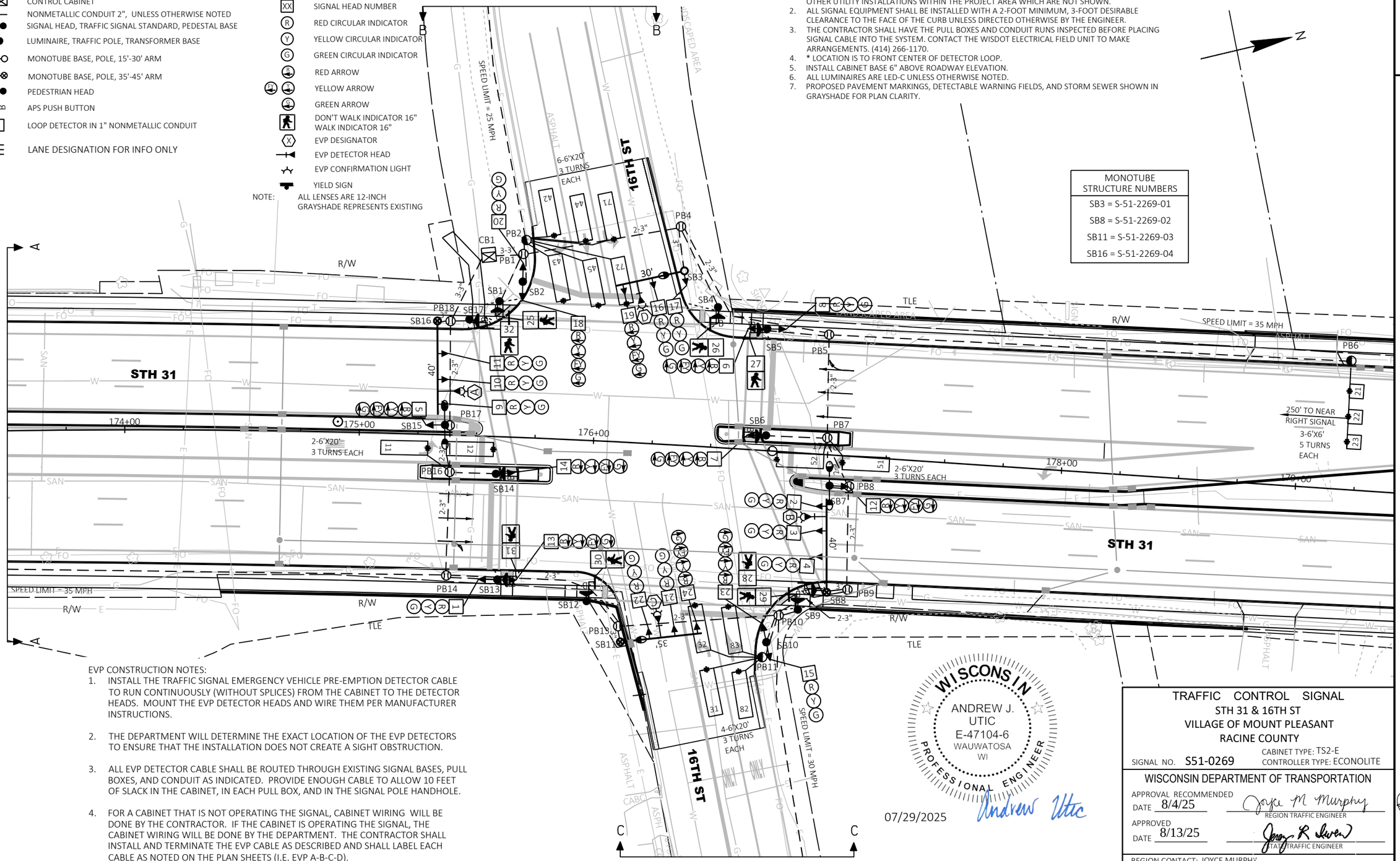
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" WALK INDICATOR 16"
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- EVP CONFIRMATION LIGHT
- YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED WITH A 2-FOOT MINIMUM, 3-FOOT DESIRABLE CLEARANCE TO THE FACE OF THE CURB UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
3. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
6. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
7. PROPOSED PAVEMENT MARKINGS, DETECTABLE WARNING FIELDS, AND STORM SEWER SHOWN IN GRAYSHADE FOR PLAN CLARITY.

MONOTUBE STRUCTURE NUMBERS
SB3 = S-51-2269-01
SB8 = S-51-2269-02
SB11 = S-51-2269-03
SB16 = S-51-2269-04



EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

WISCONSIN
ANDREW J. UTIC
E-47104-6
WAUWATOSA
WI
PROFESSIONAL ENGINEER

07/29/2025

TRAFFIC CONTROL SIGNAL
STH 31 & 16TH ST
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0269
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/4/25 Joyce M Murphy
REGION TRAFFIC ENGINEER

APPROVED
DATE 8/13/25 Jerry R Sveum
STATE TRAFFIC ENGINEER

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 3

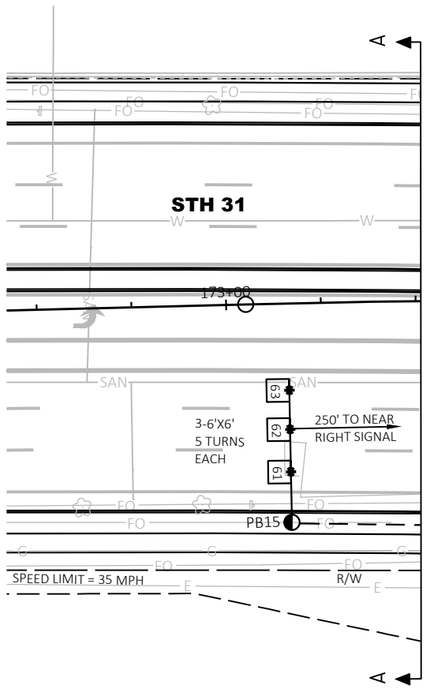
8/4/25

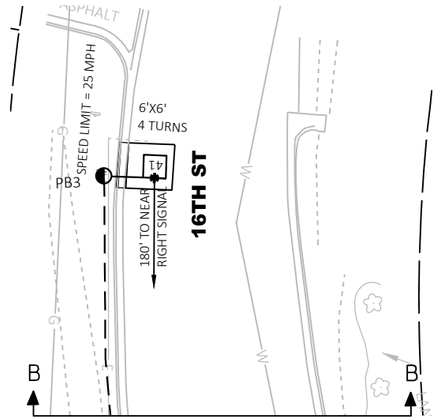
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 267	E

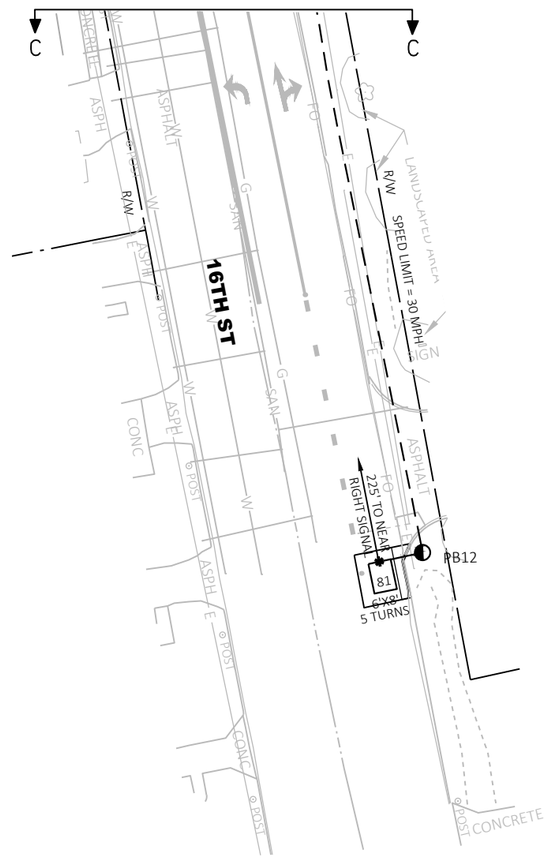
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LAYOUT NAME - 16th
PLOT DATE : 7/29/2025 4:32 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2







TRAFFIC CONTROL SIGNAL
STH 31 & 16TH ST
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0269

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

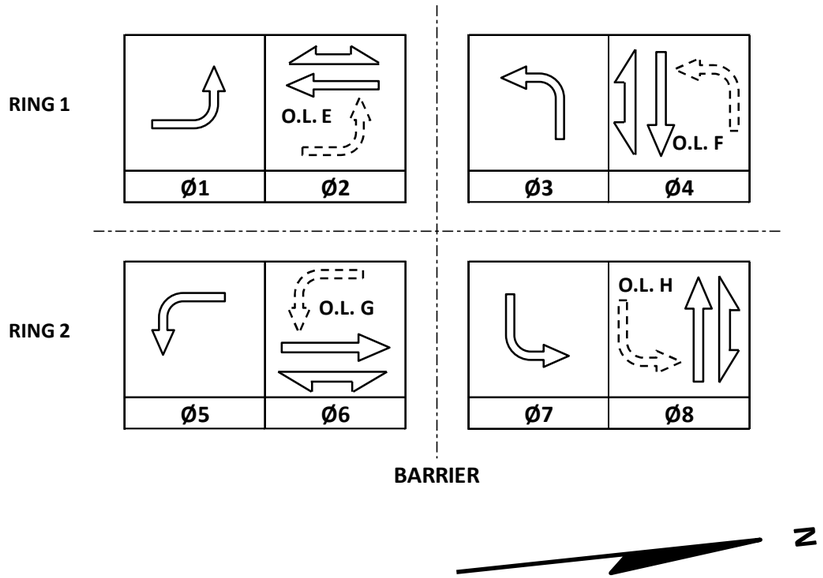
PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 268	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024205-SP.DWG
LAYOUT NAME - 16th (2)

PLOT DATE : 7/29/2025 4:34 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	18,19	R
Ø4	20,21,22	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7	23,24	R
Ø8	15,16,17	R
Ø2P	25,26	
Ø4P	31,32	
Ø6P	29,30	
Ø8P	27,28	
OLE	5,6,7	-
OLF	18,19	-
OLG	12,13,14	-
OLH	23,24	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	51-0037

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	32	42	44	51	61
CALLED PHASE	1	2	2	3	4	4	5	6
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME				X	X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL		X	X					X
CROSS SWITCH PHASE	2			4			6	

19	17	23	21			49	50	DETECTOR INPUT
63	72	82				APS	APS	PLAN LOOP DETECTOR*(S)
6	7	8				2	6	CALLED PHASE
X	X	X				X	X	CALL OPTION
	X	X						DELAY TIME
X	X	X				X	X	EXTENTION OPTION
								EXTEND TIME
X								USE ADDED INITIAL
	8							CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	31	41	43	45	52	62
CALLED PHASE	1	2	3	4	4	4	5	6
CALL OPTION	X	X	X		X	X	X	X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME				X				
USE ADDED INITIAL		X						X
CROSS SWITCH PHASE	2		4				6	

20	18	24	22			51	52	DETECTOR INPUT
71	81	83				APS	APS	PLAN LOOP DETECTOR*(S)
7	8	8				4	8	CALLED PHASE
X		X				X	X	CALL OPTION
		X						DELAY TIME
X	X	X				X	X	EXTENTION OPTION
	X							EXTEND TIME
								USE ADDED INITIAL
8								CROSS SWITCH PHASE

STH 31 & 16TH ST
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO:	S51-0269	CABINET TYPE: TS2-E
		CONTROLLER TYPE: ECONOLITE
DATE:	8/2025	PAGE NUMBER: 3 OF 3

PROJECT ID:	2390-12-70
INTERSECTION:	STH 31 & 16TH ST

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	7	25								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB2	12	18				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		20	RED	ORG	GRN								
SB3	12	16	RED	ORG	GRN								
		17	RED	ORG	GRN								
		19				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB4	7	26								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB5	15	8	RED/BLK	ORG/BLK	GRN/BLK								
		6				RED	ORG	GRN	BLK/WHT				
		27								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB6	12	7				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB7	7	12				RED	ORG	GRN	BLK				
SB8	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		28								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB9	7	29								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB10	12	15	RED/BLK	ORG/BLK	GRN/BLK								
		23				RED	ORG	GRN	BLK/WHT				
SB11	15	21	RED	ORG	GRN								
		22	RED	ORG	GRN								
		24				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB12	7	30								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB13	15	13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		1	RED	ORG	GRN								
		31								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB14	12	14				RED	ORG	GRN	BLK				
		PUSH BUTTON										BLU	WHT/BLK
SB15	7	5				RED	ORG	GRN	BLK				
SB16	12	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		11	RED	ORG	GRN								
SB17	7	32								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded cond
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	SB17
SB17	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB4	SB3
PB5	SB5
PB7	SB6
PB8	SB7
PB9	SB8
PB10	SB9
PB13	SB11
PB14	SB13
PB16	SB14
PB17	SB15
PB18	SB16

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB3
SB3	SB7
CB1	SB15
SB15	SB11

Emergency Vehicle Preemption	
From	To
CB1	HEAD A (SB16)
CB1	HEAD B (SB8)
CB1	HEAD C (SB11)
CB1	HEAD D (SB3)

2

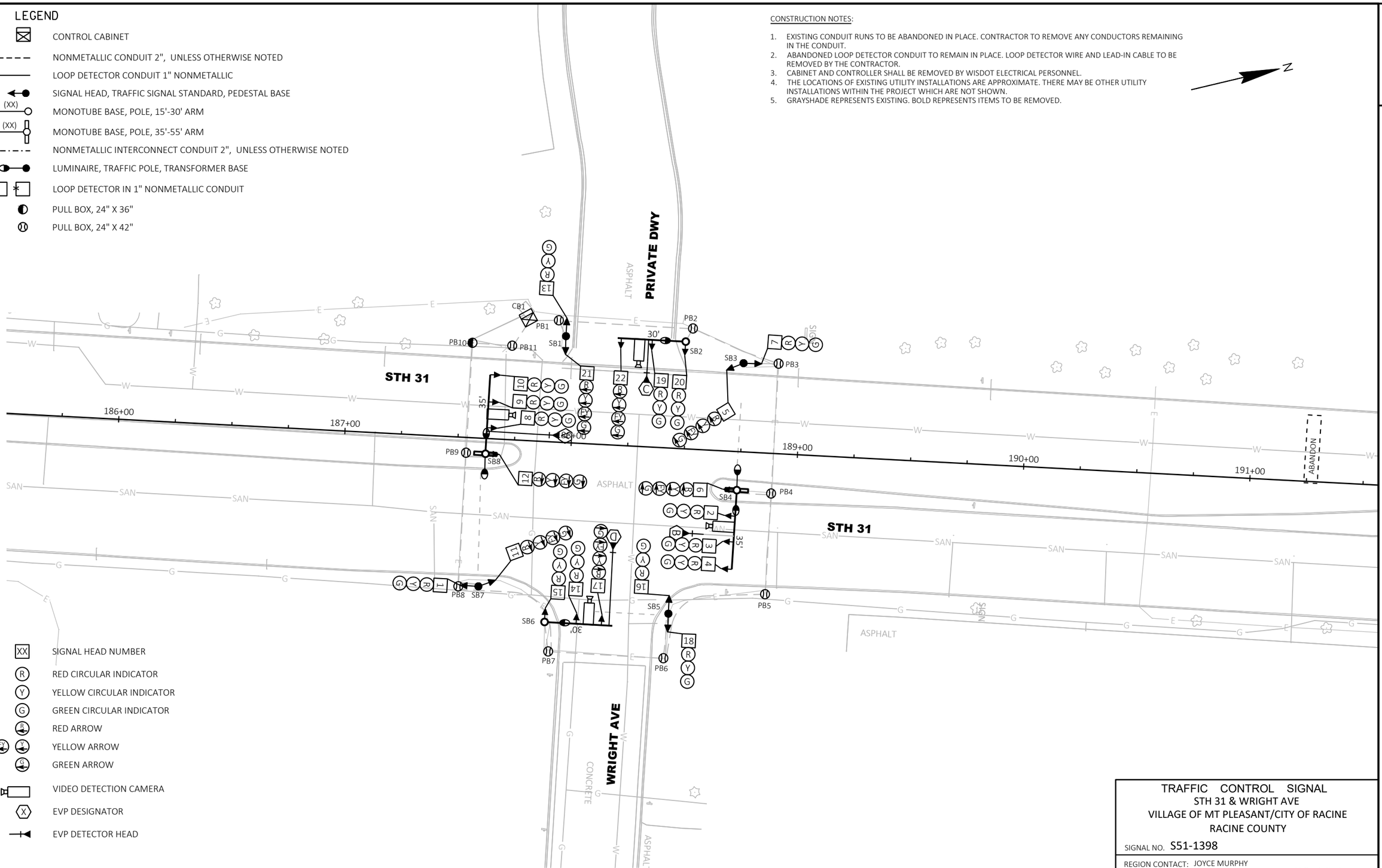
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

N



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- VIDEO DETECTION CAMERA
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

TRAFFIC CONTROL SIGNAL

STH 31 & WRIGHT AVE
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-1398

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 271	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Wright
PLOT DATE : 4/7/2025 1:30 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

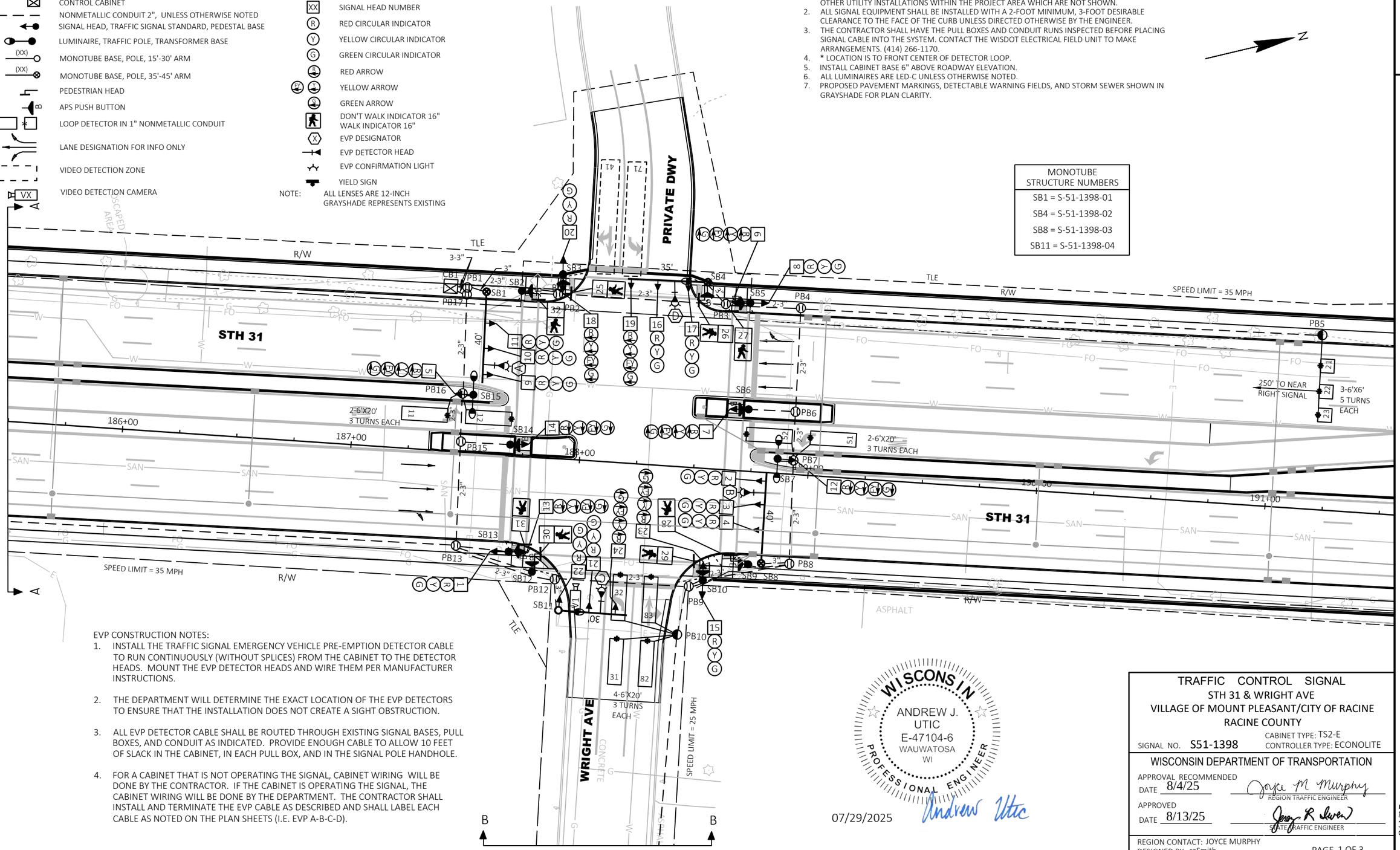
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD
- APS PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION FOR INFO ONLY
- VIDEO DETECTION ZONE
- VX VIDEO DETECTION CAMERA
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- DON'T WALK INDICATOR 16" WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- EVP CONFIRMATION LIGHT
- YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED WITH A 2-FOOT MINIMUM, 3-FOOT DESIRABLE CLEARANCE TO THE FACE OF THE CURB UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
3. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
6. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
7. PROPOSED PAVEMENT MARKINGS, DETECTABLE WARNING FIELDS, AND STORM SEWER SHOWN IN GRAYSHADE FOR PLAN CLARITY.

MONOTUBE STRUCTURE NUMBERS
SB1 = S-51-1398-01
SB4 = S-51-1398-02
SB8 = S-51-1398-03
SB11 = S-51-1398-04



EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

WISCONSIN
ANDREW J. UTIC
E-47104-6
WAUWATOSA
WI
PROFESSIONAL ENGINEER

07/29/2025 Andrew Utic

TRAFFIC CONTROL SIGNAL
STH 31 & WRIGHT AVE
VILLAGE OF MOUNT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-1398
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/4/25 Joyce M Murphy
REGION TRAFFIC ENGINEER

APPROVED
DATE 8/13/25 Jason R Luvan
STATE TRAFFIC ENGINEER

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 3

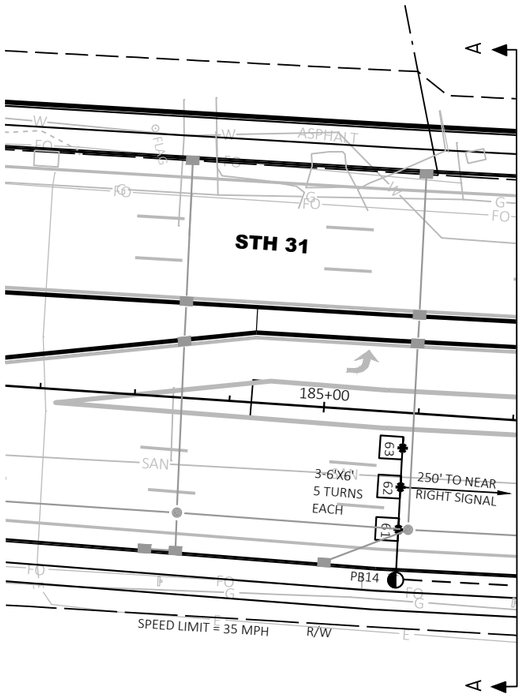
8/4/25

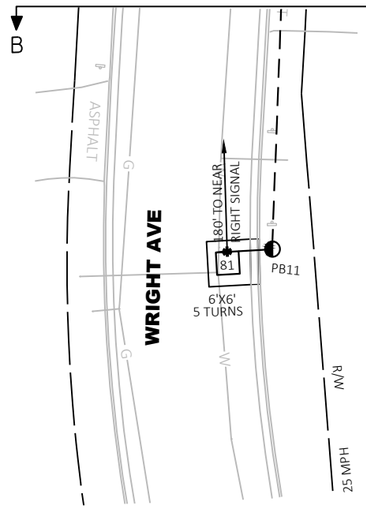
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 272	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024206-SP.DWG
LAYOUT NAME - Wright
PLOT DATE : 7/29/2025 4:36 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 31 & WRIGHT AVE
VILLAGE OF MOUNT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-1398

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

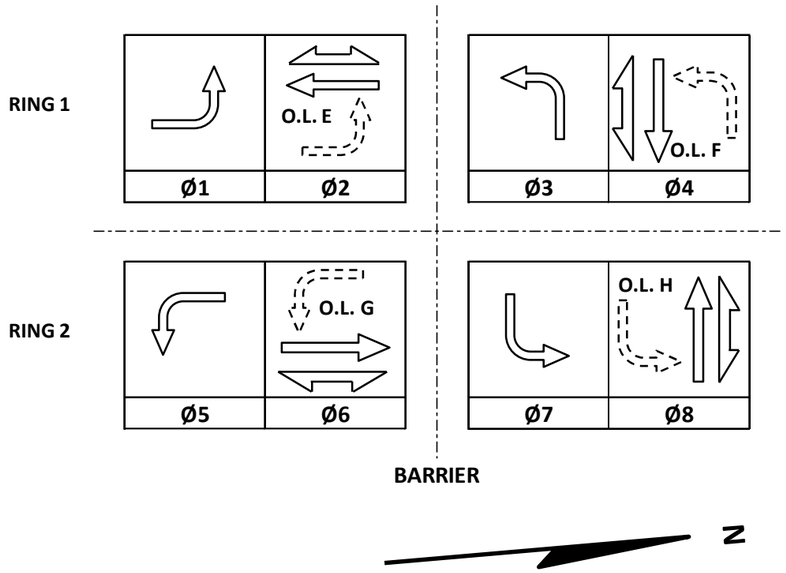
PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 273	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024206-SP.DWG
LAYOUT NAME - Wright (2)

PLOT DATE : 7/29/2025 4:37 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	18,19	R
Ø4	20,21,22	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7	23,24	R
Ø8	15,16,17	R
Ø2P	25,26	
Ø4P	31,32	
Ø6P	29,30	
Ø8P	27,28	
OLE	5,6,7	-
OLF	18,19	-
OLG	12,13,14	-
OLH	23,24	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	32	52	62	81	83
CALLED PHASE	1	2	2	3	5	6	8	8
CALL OPTION	X	X	X	X	X	X		X
DELAY TIME				X				X
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME							X	
USE ADDED INITIAL		X	X			X		
CROSS SWITCH PHASE	2			4	6			

DETECTOR INPUT	19	17	23	21			49	50
PLAN LOOP DETECTOR*(S)	41						APS	APS
CALLED PHASE	4						2	6
CALL OPTION	X						X	X
DELAY TIME								
EXTENTION OPTION	X						X	X
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	31	51	61	63	82	
CALLED PHASE	1	2	3	5	6	6	8	
CALL OPTION	X	X	X	X	X	X	X	
DELAY TIME							X	
EXTENTION OPTION	X	X	X	X	X	X	X	
EXTEND TIME								
USE ADDED INITIAL		X			X	X		
CROSS SWITCH PHASE	2		4	6				

DETECTOR INPUT	20	18	24	22			51	52
PLAN LOOP DETECTOR*(S)	71						APS	APS
CALLED PHASE	7						4	8
CALL OPTION	X						X	X
DELAY TIME								
EXTENTION OPTION	X						X	X
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE	8							

STH 31 & WRIGHT AVE
VILLAGE OF MOUNT PLEASANT / CITY OF RACINE
RACINE COUNTY

SIGNAL NO: S51-1398	CABINET TYPE: TS2-E
	CONTROLLER TYPE: ECONOLITE
DATE: 8/2025	PAGE NUMBER: 3 OF 3

PROJECT ID:	2390-12-70
INTERSECTION:	STH 31 & WRIGHT AVE

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		11	RED	ORG	GRN								
SB2	7	32								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB3	15	18				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		20	RED	ORG	GRN								
		25								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB4	15	16	RED	ORG	GRN								
		17	RED	ORG	GRN								
		19				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		26								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB5	15	8	RED/BLK	ORG/BLK	GRN/BLK								
		6				RED	ORG	GRN	BLK/WHT				
		27								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB6	12	7				RED	ORG	GRN	BLK/WHT				
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB7	7	12				RED	ORG	GRN	BLK				
SB8	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
SB9	7	28								BLK	BLU		
		PUSH BUTTON										RED	WHT/BLK
SB10	15	15	RED	ORG	GRN								
		23				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		29								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB11	12	21	RED	ORG	GRN								
		22	RED	ORG	GRN								
		24				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB12	7	30								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB13	15	13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		1	RED	ORG	GRN								
		31								BLK	BLU		
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB14	12	14				RED	ORG	GRN	BLK/WHT				
		PUSH BUTTON										BLU/BLK	WHT/BLK
SB15	7	5				RED	ORG	GRN	BLK				

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	SB1
PB2	SB3
PB3	SB5
PB4	SB5
PB6	SB6
PB7	SB7
PB8	SB8
PB9	SB10
PB12	SB11
PB13	SB13
PB15	SB14
PB16	SB15
PB17	CB1

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB4
SB4	SB7
CB1	SB15
SB15	SB11

Emergency Vehicle Preemption	
From	To
CB1	HEAD A (SB1)
CB1	HEAD B (SB8)
CB1	HEAD C (SB11)
CB1	HEAD D (SB4)

Video Detection Cable	
From	To
CB1	V1 (SB11)

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications

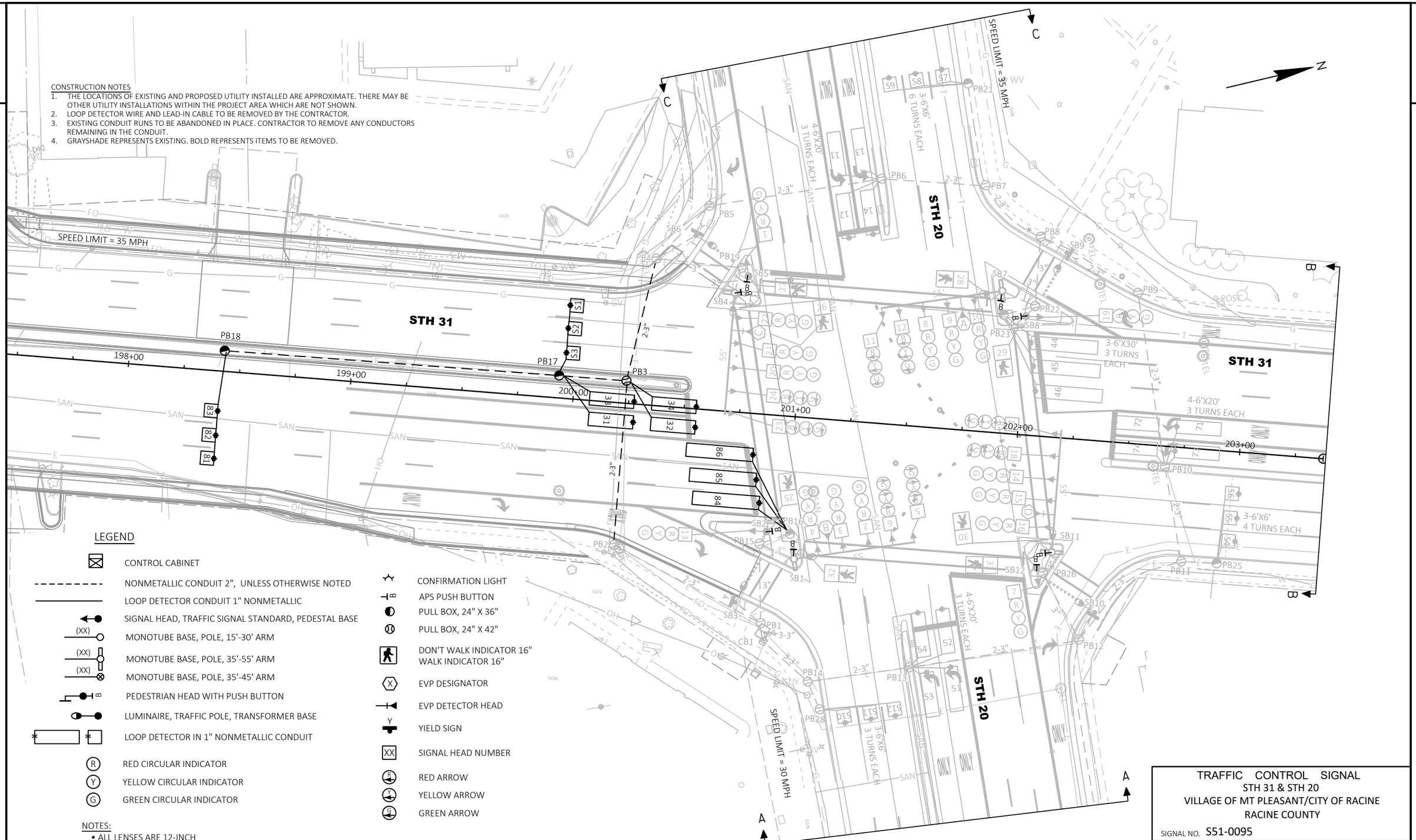
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.

*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.

*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
4. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- CONFIRMATION LIGHT
- APS PUSH BUTTON
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- XX SIGNAL HEAD NUMBER
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTES:
• ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL

STH 31 & STH 20
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

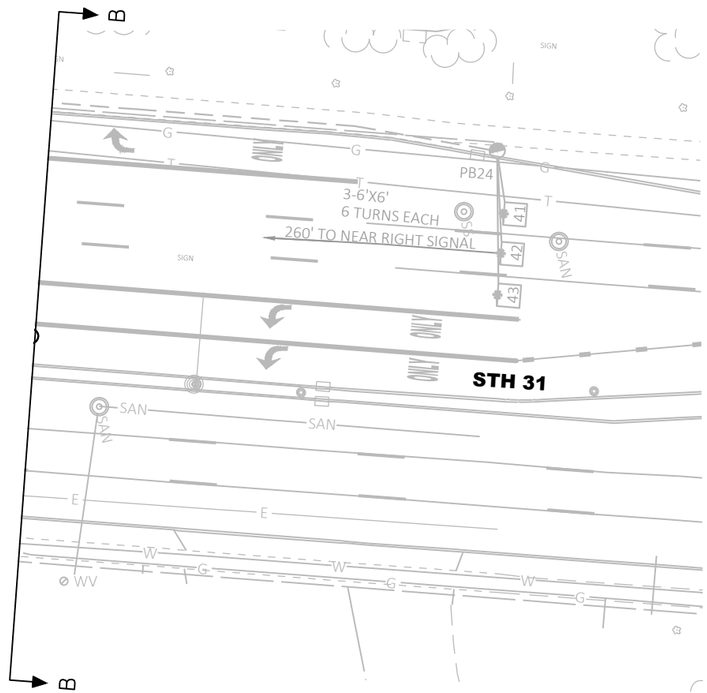
SIGNAL NO. S51-0095

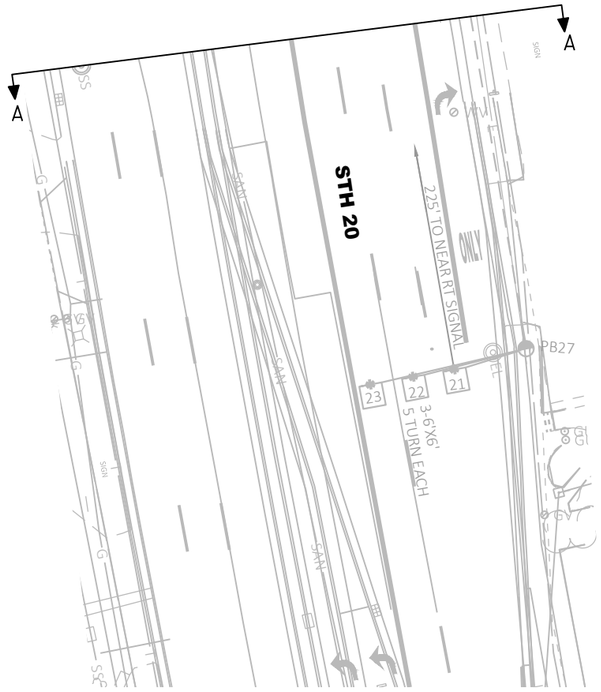
REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS, INC.
REVISED BY:

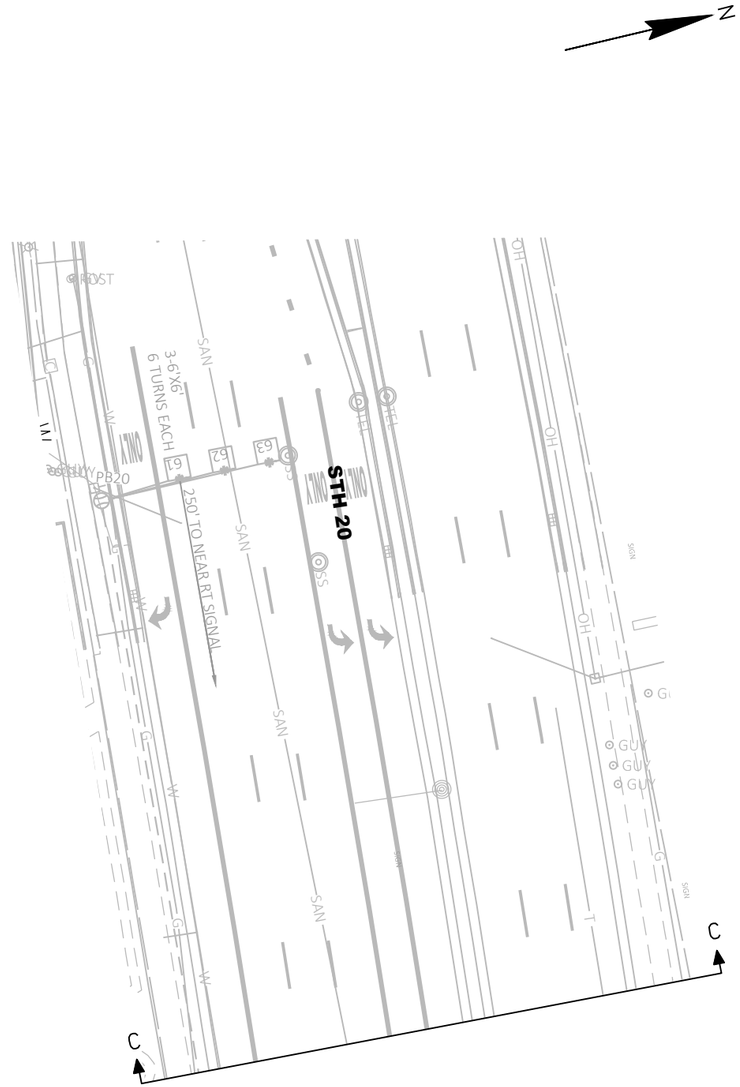
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLANS	SHEET 276	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024001-SR-EMCS.DWG
LAYOUT NAME - STH 20
PLOT DATE : 7/29/2025 12:53 PM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2







TRAFFIC CONTROL SIGNAL
STH 31 & STH 20
CITY OF RACINE
RACINE

SIGNAL NO. S51-0095

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 2 OF 2

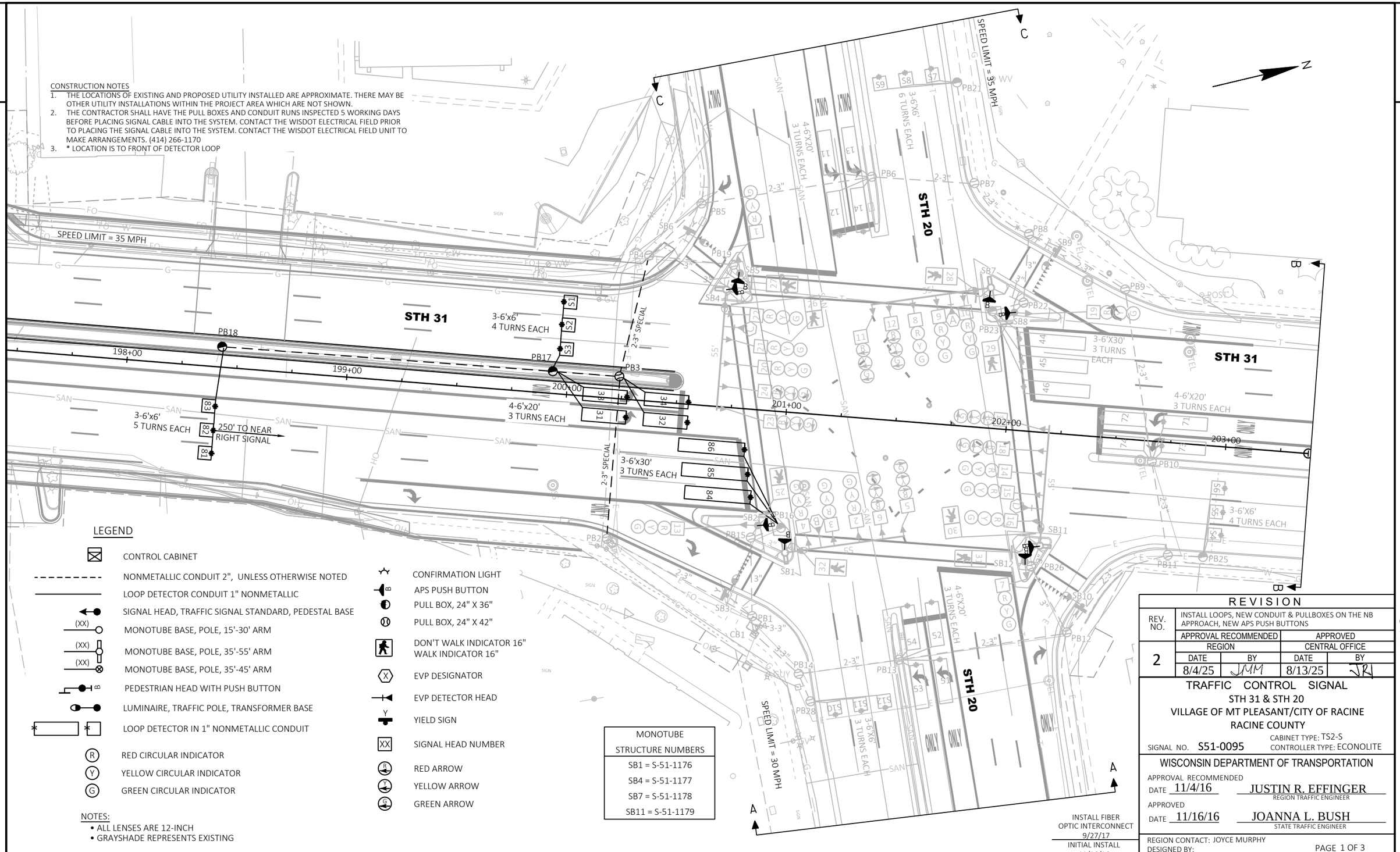
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLANS	SHEET 277	E

2

2

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLED ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS BEFORE PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD PRIOR TO PLACING THE SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170
3. * LOCATION IS TO FRONT OF DETECTOR LOOP



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- CONFIRMATION LIGHT
- APS PUSH BUTTON
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- XX SIGNAL HEAD NUMBER
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS
SB1 = S-51-1176
SB4 = S-51-1177
SB7 = S-51-1178
SB11 = S-51-1179

REVISION				
REV. NO.	INSTALL LOOPS, NEW CONDUIT & PULLBOXES ON THE NB APPROACH, NEW APS PUSH BUTTONS			
	APPROVAL RECOMMENDED		APPROVED	
2	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
	8/4/25	JMM	8/13/25	JR

TRAFFIC CONTROL SIGNAL
STH 31 & STH 20
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

SIGNAL NO. S51-0095
CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 11/4/16 — JUSTIN R. EFFINGER, REGION TRAFFIC ENGINEER

APPROVED
DATE 11/16/16 — JOANNA L. BUSH, STATE TRAFFIC ENGINEER

REGION CONTACT: JOYCE MURPHY
DESIGNED BY:
REVISED BY: EMCS INC.

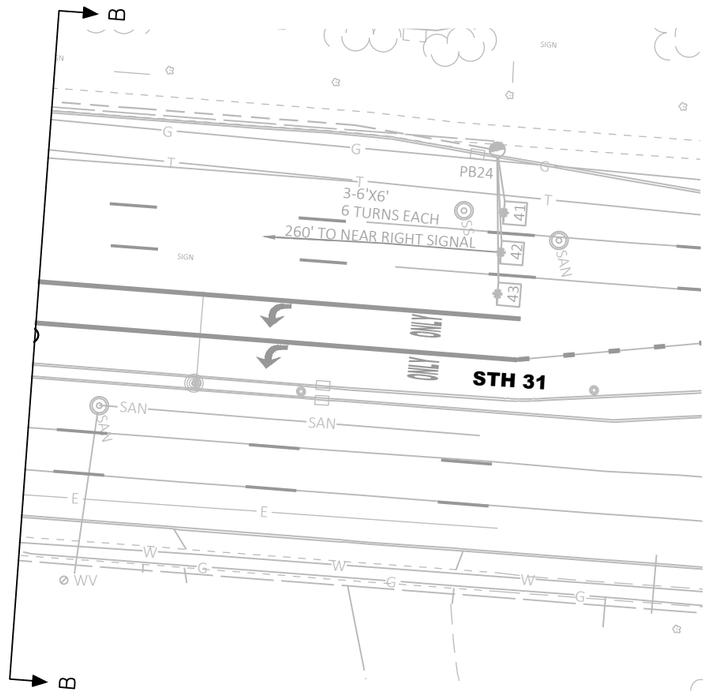
PAGE 1 OF 3

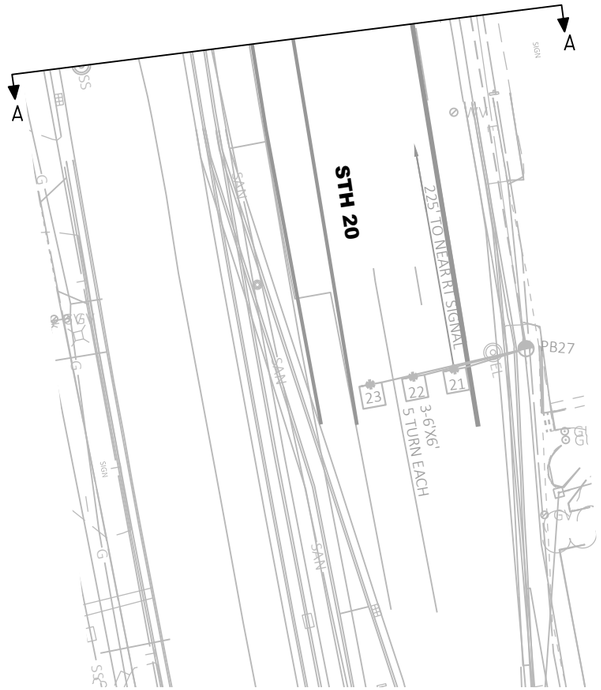
8/4/25 MAS

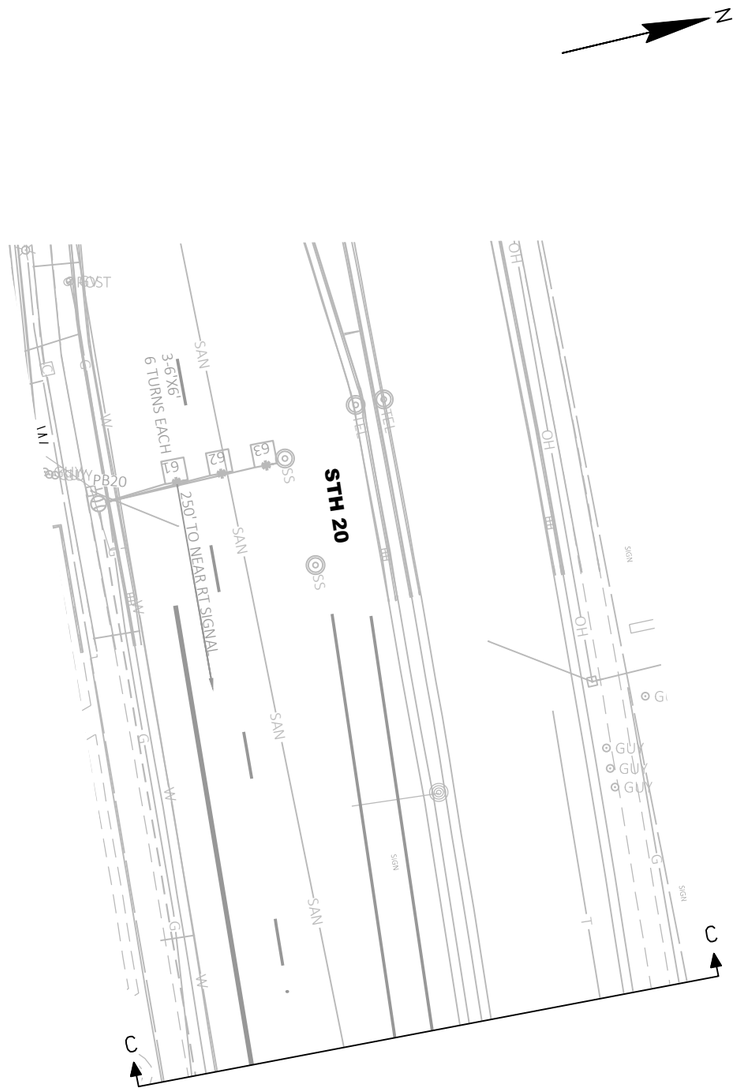
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLANS	SHEET 278	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024201-SP-EMCS.DWG
LAYOUT NAME - STH 20
PLOT DATE : 7/29/2025 1:53 PM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42







TRAFFIC CONTROL SIGNAL
STH 31 & STH 20
CITY OF RACINE
RACINE

SIGNAL NO. S51-0095

REGION CONTACT: JOYCE MURPHY
DESIGNED BY:
REVISED BY: EMCS INC.

PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 279	E

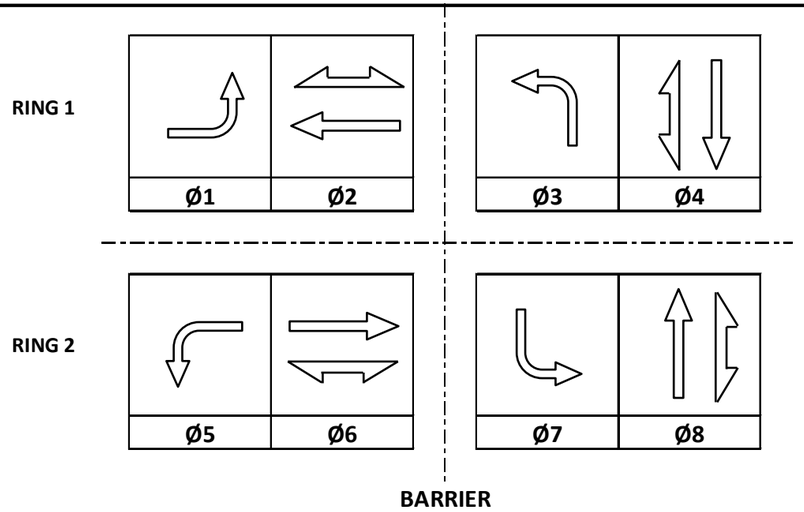
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024201-SP-EMCS.DWG
LAYOUT NAME - STH 20 - 2

PLOT DATE : 7/29/2025 1:53 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

	HEAD NUMBERS	FLASH
Ø1	5,6	R ←
Ø2	7,8,9,10	R
Ø3	17,18	R ←
Ø4	19,20,21,22	R
Ø5	11,12	R ←
Ø6	1,2,3,4	R
Ø7	23,24	R ←
Ø8	13,14,15,16	R
Ø2P	29,30	
Ø4P	27,28	
Ø6P	25,26	
Ø8P	31,32	



GENERAL NOTES:

1. APS 2 USES DETECOR 49
   APS 6 USES DETECTOR 50
   APS 4 USES DETECTOR 51
   APS 8 USES DETECTOR 52

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	X
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0034

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	13	21	23	32	34	42	44
CALLED PHASE	1	1	2	2	3	3	4	4
CALL OPTION	X	X	X	X	X	X		X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME							X	
USE ADDED INITIAL			X	X				
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29
46	52	54	62	71	73	81	83
4	5	5	6	7	7	8	
X	X	X	X	X	X		
X	X	X	X	X	X	X	X
						X	X
			X				

35	33	39	37	43	41	47	45	DETECTOR INPUT
85	S1	S3	S5	S7	S9	S11		PLAN LOOP DETECTOR*(S)
8								CALLED PHASE
X								CALL OPTION
								DELAY TIME
X								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	14	22	31	33	41	43	45
CALLED PHASE	1	1	2	3	3	4	4	4
CALL OPTION	X	X	X	X	X			X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME						X	X	
USE ADDED INITIAL			X					
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30
51	53	61	63	72	74	82	84
5	5	6	6	7	7	8	8
X	X	X	X	X	X		X
X	X	X	X	X	X	X	X
						X	
		X	X				

36	34	40	38	44	42	48	46	DETECTOR INPUT
86	S2	S4	S6	S8	S10	S12		PLAN LOOP DETECTOR*(S)
8								CALLED PHASE
X								CALL OPTION
								DELAY TIME
X								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

STH 31 & STH 20
VILLAGE OF MT PLEASANT/ CITY OF RACINE
RACINE COUNTY
SIGNAL NO: S51-0095 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: PAGE NUMBER: 3 OF 3

Project No:	2390-12-70
Intersection:	STH 31 & STH 20

Signal Wire Color Coding	BLK-black	RED-red	GRN-green
	WHT-white	BLU-blue	ORG-orange

CB1 TO	AWG 14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		5				RED/BLK	ORG/BLK	GRN/BLK					
		6				RED/BLK	ORG/BLK	GRN/BLK					
		32								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB2	12	13	RED	ORG	GRN								
		25								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB4	**12**	**20**	**RED**	**ORG**	**GRN**								
		21	**RED**	**ORG**	**GRN**								
		22	**RED**	**ORG**	**GRN**								
		23				**RED/BLK**	**ORG/BLK**	**GRN/BLK**					
		24				**RED/BLK**	**ORG/BLK**	**GRN/BLK**					
		26								**BLK**	**BLU**		
		B										**WHT/BLK**	**BLK/WHT**
SB5	**12**	**1**	**RED**	**ORG**	**GRN**								
		27								**BLK**	**BLU**		
		B										**WHT/BLK**	**BLK/WHT**
SB7	12	8	RED	ORG	GRN								
		9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		11				RED/BLK	ORG/BLK	GRN/BLK					
		12				RED/BLK	ORG/BLK	GRN/BLK					
		28								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB8	12	19	RED	ORG	GRN								
		29								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB11	12	14	RED	ORG	GRN								
		15	RED	ORG	GRN								
		16	RED	ORG	GRN								
		17				RED/BLK	ORG/BLK	GRN/BLK					
		18				RED/BLK	ORG/BLK	GRN/BLK					
		30								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**
SB12	12	7	RED	ORG	GRN								
		31								BLK	BLU		
		B										**WHT/BLK**	**BLK/WHT**

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	**SB4**
SB4	**SB5**
SB5	**SB6**
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
CB1	PB1
CB1	PB2
SB6	**PB3**
SB6	PB4
SB6	PB5
SB9	PB6
SB9	PB7
SB9	PB8
SB9	PB9
SB10	PB10
SB10	PB11
SB10	PB12
CB1	PB13
CB1	PB14
SB2	PB15
SB5	PB19
SB8	PB22
SB12	PB26

EMERGENCY VEHICLE PREEMPTION	
From	To
CB1	SB1 (HEAD B)
CB1	SB4 (HEAD C)
CB1	SB7 (HEAD A)
CB1	SB11 (HEAD D)

LIGHTING UF 12 AWG W/GROUND	
From	To
CB1	SB1
SB1	SB3
SB3	**SB6**
SB6	**SB4**
CB1	SB11
SB11	SB10
SB10	SB9
SB9	SB7

NOTES: USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNDERGROUND CONDUCTORS.
AT THE SIGNAL BASES, CONNECT ON TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
GRAY-SHADE REPRESENTS EXISTING.

2

STH 11

TIMBER DR

STH 31

120 122 124 126 128 130 132

REMOVE CABLE

EX I/C PB1

FO PIGTAIL TO REMAIN

EX CV2

CB1 (S51-0070)

36-CT FOC TO REMAIN

EX CV1

EX I/C CV3

REGENCY MALL

SOUTH DWY

MATCH LINE 134+00

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS ITEMS TO BE REMOVED

REGENCY WEST DR

REGENCY POINT ENTRANCE

EX I/C PB2

21ST ST

136 138 140 142 144 146 148

EX I/C CV4

EX I/C CV5

NORTH DWY

REGENCY MALL

HIGH RIDGE ENTRANCE

MATCH LINE 134+00

MATCH LINE 149+50

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	INTERCONNECT REMOVAL PLAN	SHEET 283	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024452-ICR.DWG
LAYOUT NAME - ICR01

PLOT DATE : 4/6/2025 8:15 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE 149+50

MATCH LINE 165+00

JOANNE DR

MARGERY DR

GREENLEAF BLVD

CASTLE CT

STH 31

EX I/C CV6

REMOVE CABLE

EX I/C PB3

EX I/C CV7

REMOVE CABLE

150 152 154 156 158 160 162 164

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS ITEMS TO BE REMOVED

SUNSET BLVD

BYRD AVE

LINCOLN VILLAGE DR

16TH ST

REMOVE CABLE

EX I/C PB4

EX I/C PB5

EX I/C CV8

REMOVE CABLE

166 168 170 172 174 176 178 180

STH 31

MATCH LINE 165+00

MATCH LINE 180+50

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	INTERCONNECT REMOVAL PLAN	SHEET 284	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024452-ICR.DWG
LAYOUT NAME - ICR02

PLOT DATE : 4/6/2025 8:17 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

HORIZON BLVD

KEYPAD

PRIVATE DWY

STH 31

182 184 186 188 190 192 194

MATCH LINE 180+50

MATCH LINE 196+00

REMOVE CABLE

EX I/C CV9

EX I/C PB6

REMOVE CABLE

WRIGHT AVE

STH 20

EX I/C CV10

36-CT FOC TO REMAIN

STH 31

198 200 202 204 206

EX I/C PB8

EX I/C PB7

REMOVE CABLE

EX I/C PB9

CB1 (S51-0095)

36-CT FOC TO REMAIN

FO PIGTAIL TO REMAIN

STH 20

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS ITEMS TO BE REMOVED

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 3

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	INTERCONNECT REMOVAL PLAN	SHEET 285	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024452-ICR.DWG
LAYOUT NAME - ICR03

PLOT DATE : 4/18/2025 9:12 AM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE 123+85

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

WISCONSIN
ANDREW J. UTIC
E-47104-6
WAUWATOSA
WI
PROFESSIONAL ENGINEER

07/29/2025

Andrew Utic

N

STH 11

STH 31

R/W

SIGN

CONCRETE WALK

ASPHALT

118+00 119+00 120+00 121+00 122+00 123+00

FIBER OPTIC SPLICE (36)

EX CV2

RESPLICE LOCATION

CB1 (S51-0070)

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MAINTAIN EXISTING TRAFFIC SIGNAL INTERCONNECT SYSTEM

STATE-SUPPLIED CELL MODEM. UPLINK FIBER INTERCONNECTED SIGNALS ALONG STH 11 CORRIDOR. SPLIT CHANNEL INTO TWO SEGMENTS. CELL MODEMS TO BE INSTALLED BY DOT FORCES.

EX CV1

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING FIBER OPTIC CABLE INTO SYSTEM, CONTACT THE WISDOT ELECTRICAL UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. LEAVE 100' OF FIBER OPTIC CABLE COILED IN EACH COMMUNICATIONS VAULT, LEAVE 30' OF FIBER OPTIC CABLE COILED IN EACH INTERCONNECT PULL BOX.
3. UTILITIES ARE TO BE LOCATED IN THE FIELD, THE ENGINEER WILL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. CONTACT DIGGERS HOTLINE FOR FIELD LOCATES.
4. LOCATIONS OF EXISTING WISDOT FIBER OPTIC CABLE IS APPROXIMATE. CONTACT WISDOT STOC FOR ADDITIONAL INFORMATION.
5. THE LOCATION OF EXISTING UTILITY INSTALLATIONS ARE ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
6. SEE TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION.

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 286	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 04
PLOT DATE : 7/29/2025 2:19 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

TIMBER DR

STH 31

REGENCY MALL SOUTH DWY

R/W

ASPHALT

CONCRETE RUMBLE STRIP

124+00 125+00 126+00 127+00 128+00 129+00 130

9+00 10+00

(1) 8-COUNT FIBER OPTIC PIGTAIL
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET

CB1 (S51-0282)

CV1

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 123+85

MATCH LINE 130+00

2

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 287	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 05
PLOT DATE : 7/29/2025 2:19 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

MATCH LINE 136+00

REGENCY WEST DR

9+00

CB1 (S51-0281)

IC PB1

R/W

INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET

(1) 8-COUNT FIBER OPTIC PIGTAIL
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

STH 31

ASPHALT

CONCRETE

LANDSCAPED AREA

130+00 131+00 132+00 133+00 134+00 135+00 136

CONCRETE RUMBLE STRIP

ASPHALT

CV2

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

REGENCY MALL NORTH DWY

MATCH LINE 130+00

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 14

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 288	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 06

PLOT DATE : 7/29/2025 2:19 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

MATCH LINE 142+00

REGENCY POINT ENTRANCE

R/W

LANDSCAPED AREA

ASPHALT

CB1 (S51-0467)

IC PB2

INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET

(1) 8-COUNT FIBER OPTIC PIGTAIL
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

STH 31

CONCRETE RUMBLE STRIP

137+00

138+00

139+00

140+00

141+00

142

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV3

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

HIGH RIDGE ENTRANCE

11+00

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 136+00

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 289	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 07

PLOT DATE : 7/29/2025 2:19 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

MATCH LINE 148+00

TLE

R/W

STH 31

ASPHALT

CONCRETE RUMBLE STRIP

143+00

144+00

145+00

146+00

147+00

CONCRETE

ASPHALT

R/W

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 142+00

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 5 OF 14

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 290	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 08

PLOT DATE : 7/29/2025 2:19 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 154+10

MATCH LINE 148+00

21ST ST

STH 31

CB1 (S51-0289)

IC PB3

CV4

TLE

R/W

INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET

(1) 8-COUNT FIBER OPTIC PIGTAIL
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

9+00

11+00

149+00

150+00

151+00

152+00

153+00

154+00

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 291	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 09
PLOT DATE : 7/29/2025 2:20 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

JOANNE DR

MARGERY DR

STH 31

TLE

R/W

ASPHALT

155+00

156+00

157+00

158+00

159+00

160

MATCH LINE 160+00

MATCH LINE 154+10

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

TRAFFIC SIGNAL INTERCONNECT

STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 292	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 10
PLOT DATE : 7/29/2025 2:20 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

MATCH LINE 166+00

GREENLEAF BLVD

6+00

TLE

R/W

STH 31

ASPHALT

161+00

162+00

163+00

164+00

165+00

166

CV5

TLE

R/W

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CASTLE CT

11+00

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 160+00

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 8 OF 14

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 293	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 11

PLOT DATE : 7/29/2025 2:20 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

SUNSET BLVD

LINCOLN VILLAGE DR

BYRD AVE

STH 31

R/W

8+00

9+00

11+00

166+00

167+00

168+00

169+00

170+00

171+00

172

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 166+00

MATCH LINE 172+00

2

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 294	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 12

PLOT DATE : 7/29/2025 2:20 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

MATCH LINE 178+00

16TH ST

R/W

CB1 (S51-0269)

TLE

IC PB4

INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET

(1) 8-COUNT FIBER OPTIC PIGTAIL
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

STH 31

ASPHALT

CONCRETE RUMBLE STRIP

173+00 174+00 175+00 176+00 177+00 178

71+00

11+00

12+00

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV6

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 172+00

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 10 OF 14

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 295	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 13

PLOT DATE : 7/29/2025 2:20 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

HORIZON BLVD

STH 31

TLE

R/W

179+00 180+00 181+00 182+00 183+00

9+00

ASPHALT

LANDSCAPED AREA

SIGN

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 178+00

MATCH LINE 184+00

2

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 296	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 14
PLOT DATE : 7/29/2025 2:21 PM
PLOT BY : UTIC, ANDY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

MATCH LINE 190+00

PRIVATE DWY

R/W

CB1 (S51-1389)

IC PB5

INSTALL FIBER OPTIC
COMMUNICATIONS IN CABINET

STH 31

185+00

186+00

187+00

188+00

189+00

190

(1) 8-COUNT FIBER OPTIC PIGTAIL
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

INSERT CONDUIT INTO
EXISTING ITEM

EX CV3

FIBER OPTIC SPLICE (4)

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

WRIGHT AVE

R/W

MATCH LINE 184+00

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 12 OF 14

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 297	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 15

PLOT DATE : 7/29/2025 2:21 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

N

MATCH LINE 196+00

2

R/W

STH 31

191+00

192+00

193+00

194+00

195+00

196

ASPHALT

SAN

WV

G

W

E

FO

OH

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 190+00

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PAGE 13 OF 14

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 298	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 16

PLOT DATE : 7/29/2025 2:21 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

STH 31

STH 20

MAINTAIN EXISTING TRAFFIC SIGNAL INTERCONNECT SYSTEM

EX CV4

RESPLICE LOCATION

TLE

R/W

ASPHALT

CONCRETE

197+00

198+00

199+00

200+00

201+00

202+00

EX PB1

CV7

FIBER OPTIC SPLICE (36)
FIBER OPTIC SPLICE ENCLOSURE

INSERT CONDUIT INTO EXISTING ITEM

CB1 (S51-0095)

(1) 36-COUNT FOC
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCH LINE 196+00

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 2-DUCT 2", UNLESS OTHERWISE NOTED
- CONDUIT RIGID NONMETALLIC 2", UNLESS OTHERWISE NOTED
- COMMUNICATION VAULT
- PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS PROPOSED

TRAFFIC SIGNAL INTERCONNECT
STH 31
VILLAGE OF MT PLEASANT/CITY OF RACINE
RACINE COUNTY

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 299	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\024453-IC.DWG
LAYOUT NAME - 17

PLOT DATE : 7/29/2025 2:21 PM PLOT BY : UTIC, ANDY PLOT NAME : PLOT SCALE : 1 IN:40 FT

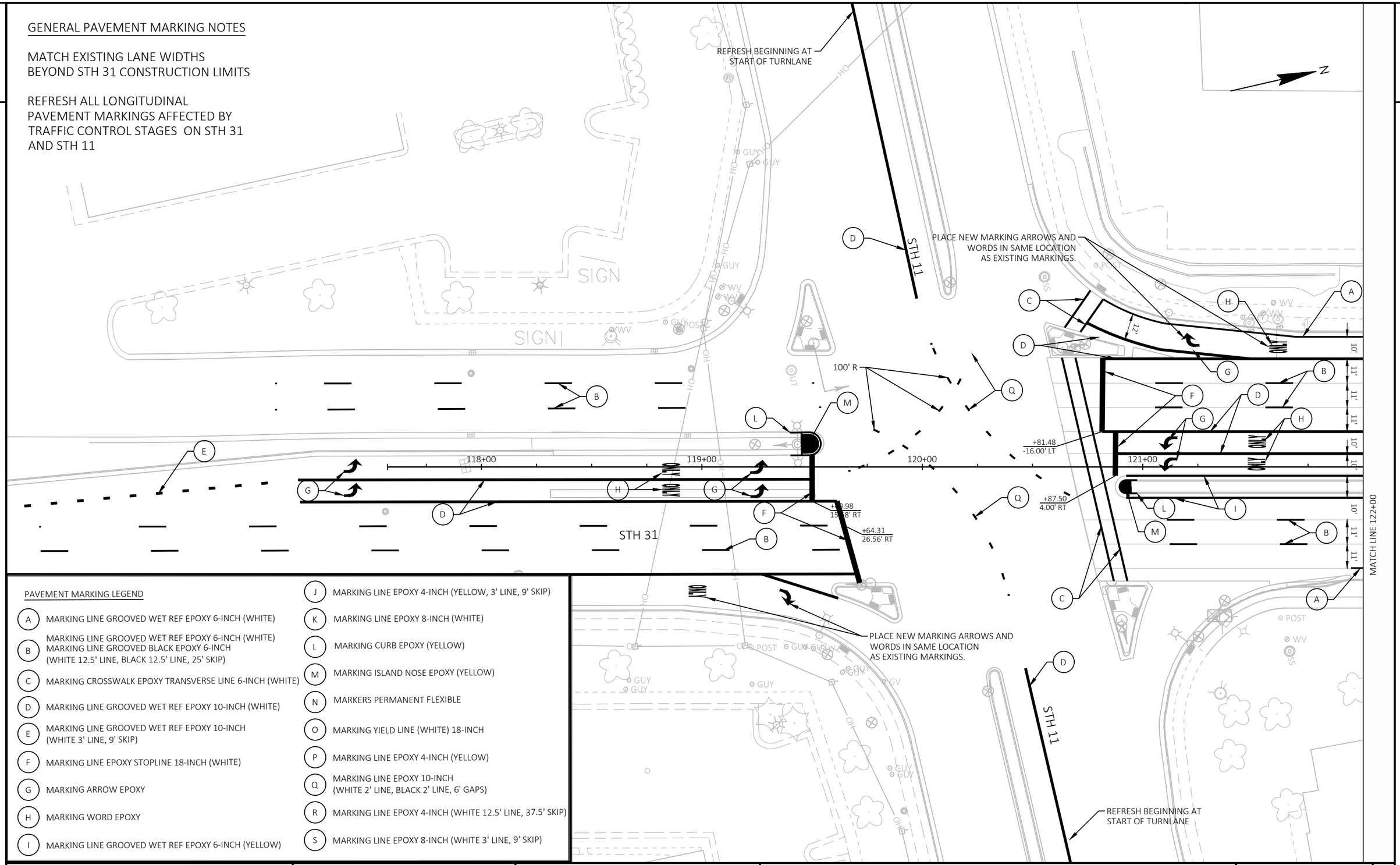
WISDOT/CADDS SHEET 42

2

GENERAL PAVEMENT MARKING NOTES

MATCH EXISTING LANE WIDTHS
BEYOND STH 31 CONSTRUCTION LIMITS

REFRESH ALL LONGITUDINAL
PAVEMENT MARKINGS AFFECTED BY
TRAFFIC CONTROL STAGES ON STH 31
AND STH 11

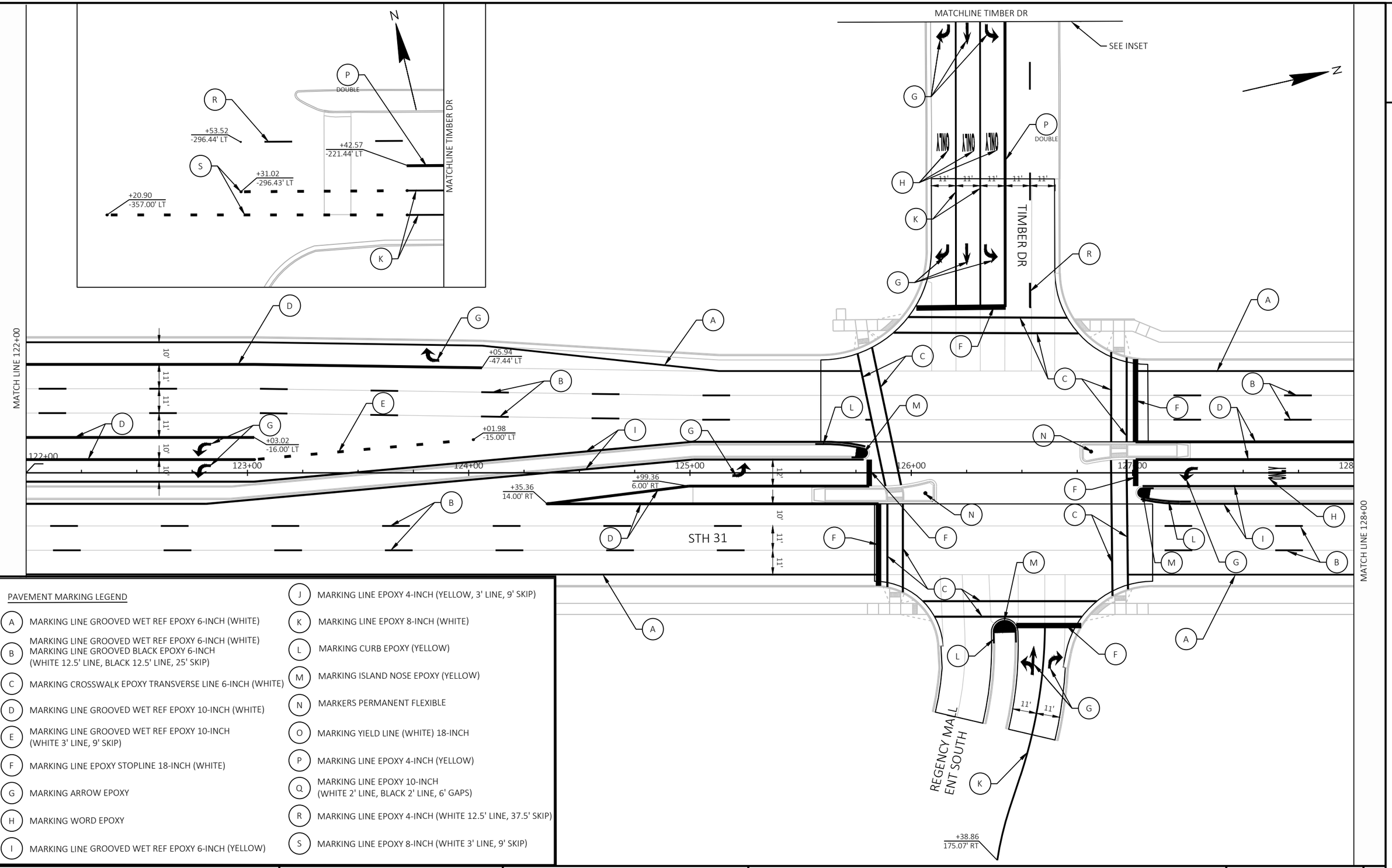


PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 300	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm
PLOT DATE : 7/28/2025 8:17 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



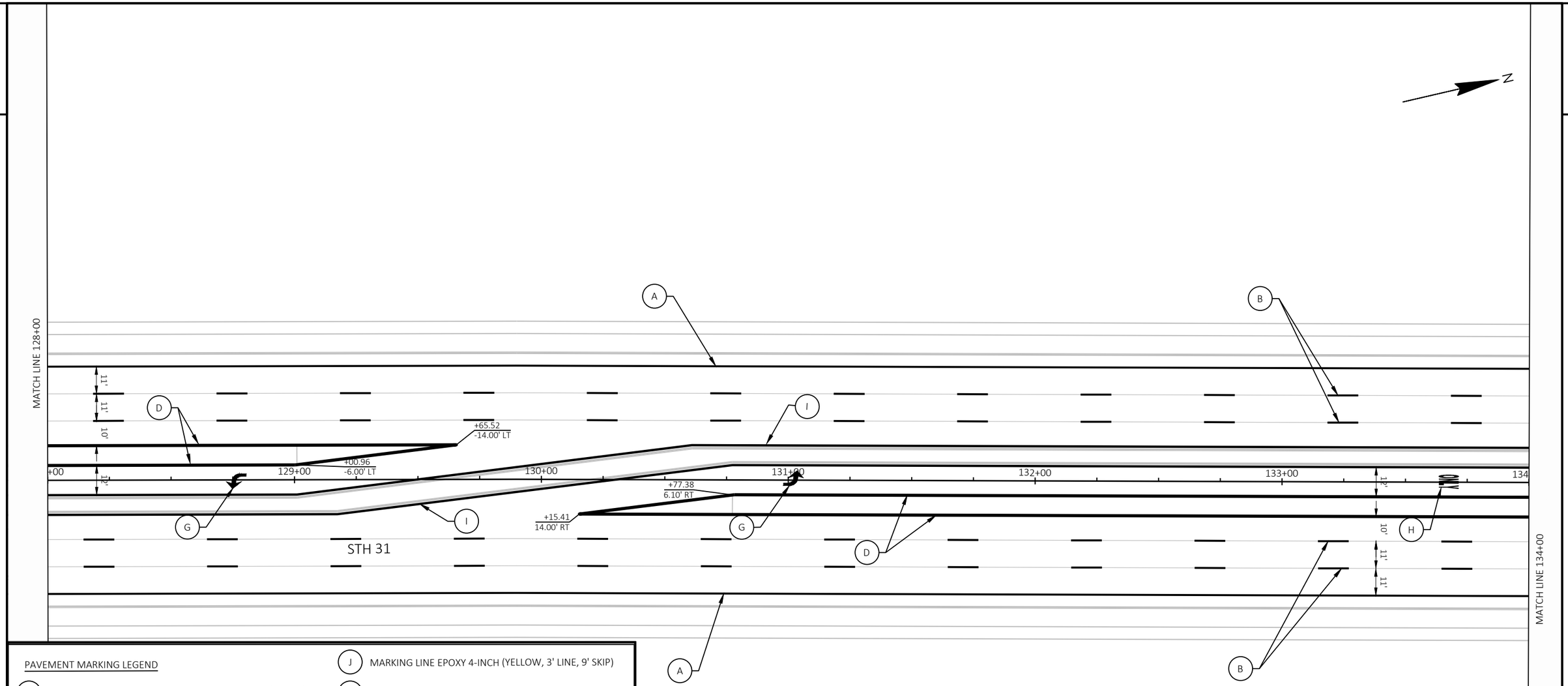
PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
  MARKING LINE GROOVED BLACK EPOXY 6-INCH
  (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH
  (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH
  (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 301	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm
PLOT DATE : 7/28/2025 8:17 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

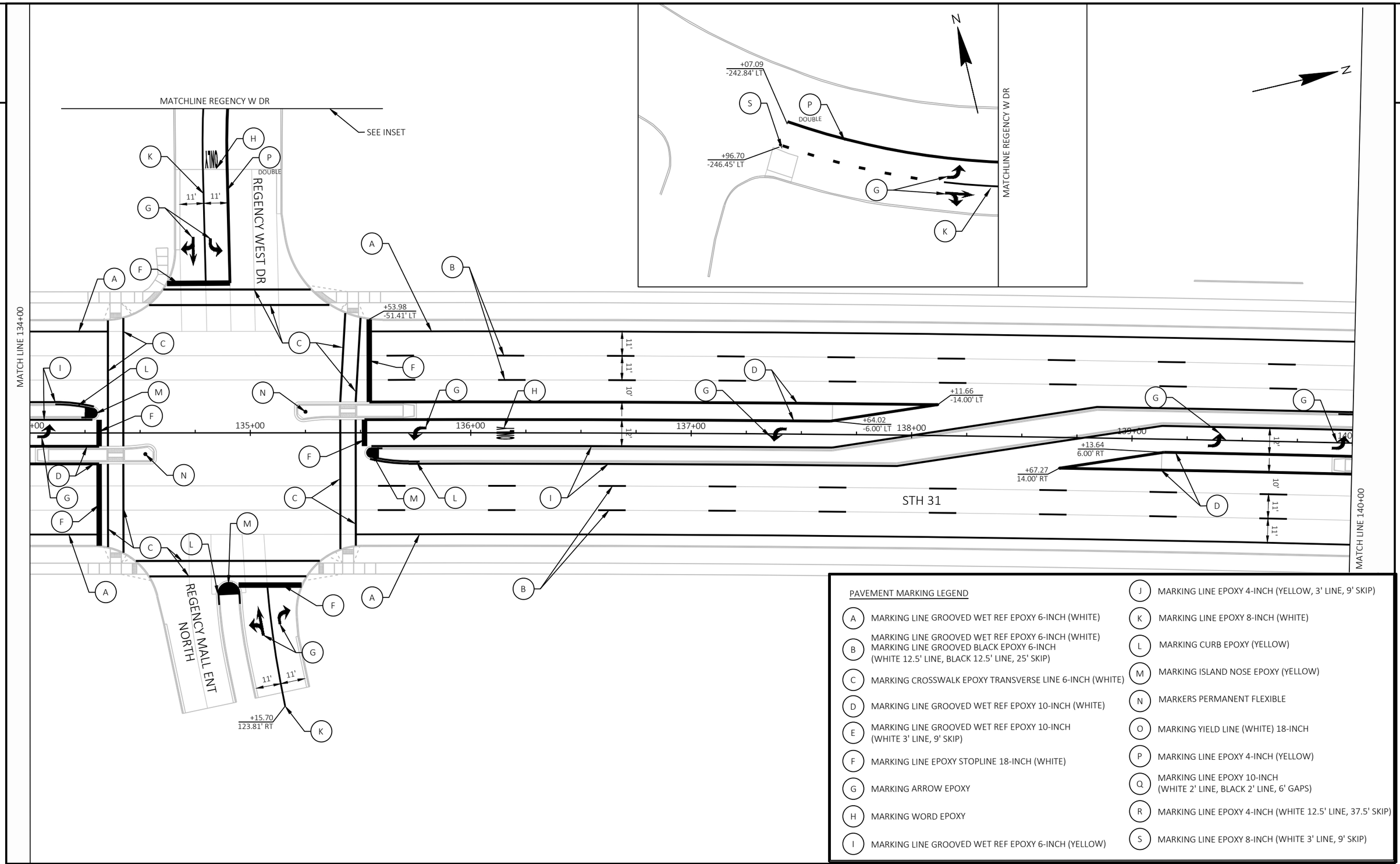


PAVEMENT MARKING LEGEND

- (A) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- (B) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- (C) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (D) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- (E) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- (F) MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- (G) MARKING ARROW EPOXY
- (H) MARKING WORD EPOXY
- (I) MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- (K) MARKING LINE EPOXY 8-INCH (WHITE)
- (L) MARKING CURB EPOXY (YELLOW)
- (M) MARKING ISLAND NOSE EPOXY (YELLOW)
- (N) MARKERS PERMANENT FLEXIBLE
- (O) MARKING YIELD LINE (WHITE) 18-INCH
- (P) MARKING LINE EPOXY 4-INCH (YELLOW)
- (Q) MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- (R) MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- (S) MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 302	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm
PLOT DATE : 7/28/2025 8:18 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 303	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm
PLOT DATE : 7/28/2025 8:18 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

REGENCY POINT ENT

+54.91
-116.92' LT

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
5FT DIAGONAL SPACING

MATCH LINE 140+00

141+00

142+00

143+00

144+00

145+00

146

+82.79
-14.00' LT

+18.03
-6.00' LT

+96.51
14.00' RT

STH 31

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
5FT DIAGONAL SPACING

HIGH RIDGE ENT

+22.81
125.42' RT

MATCH LINE 146+00

PAVEMENT MARKING LEGEND

- A MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G MARKING ARROW EPOXY
- H MARKING WORD EPOXY
- I MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K MARKING LINE EPOXY 8-INCH (WHITE)
- L MARKING CURB EPOXY (YELLOW)
- M MARKING ISLAND NOSE EPOXY (YELLOW)
- N MARKERS PERMANENT FLEXIBLE
- O MARKING YIELD LINE (WHITE) 18-INCH
- P MARKING LINE EPOXY 4-INCH (YELLOW)
- Q MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

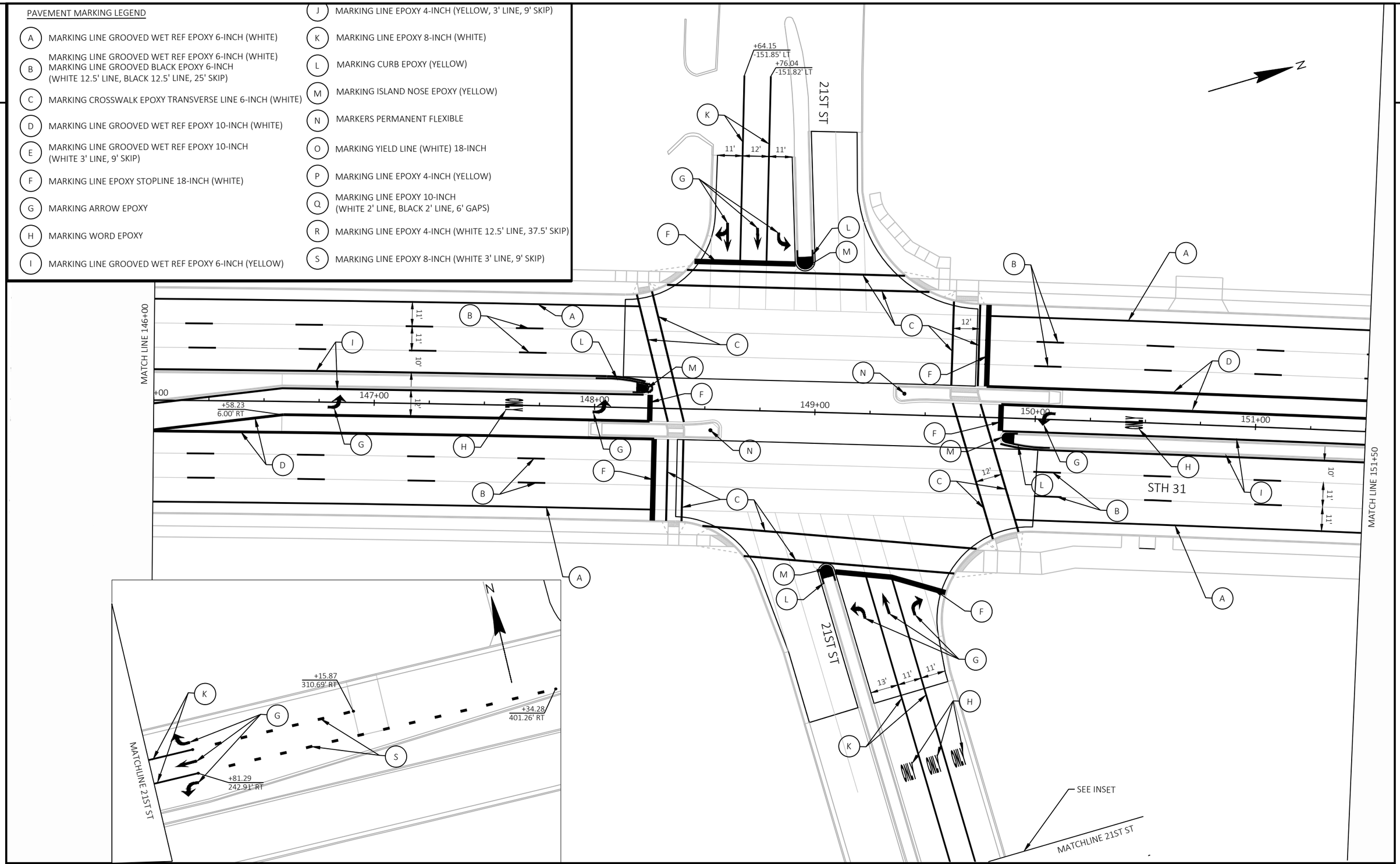
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 304	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024505-pm

PLOT DATE : 7/28/2025 8:18 AM PLOT BY : CODY LABELLE PLOT NAME : PLOT SCALE : 1 IN:40 FT

PAVEMENT MARKING LEGEND

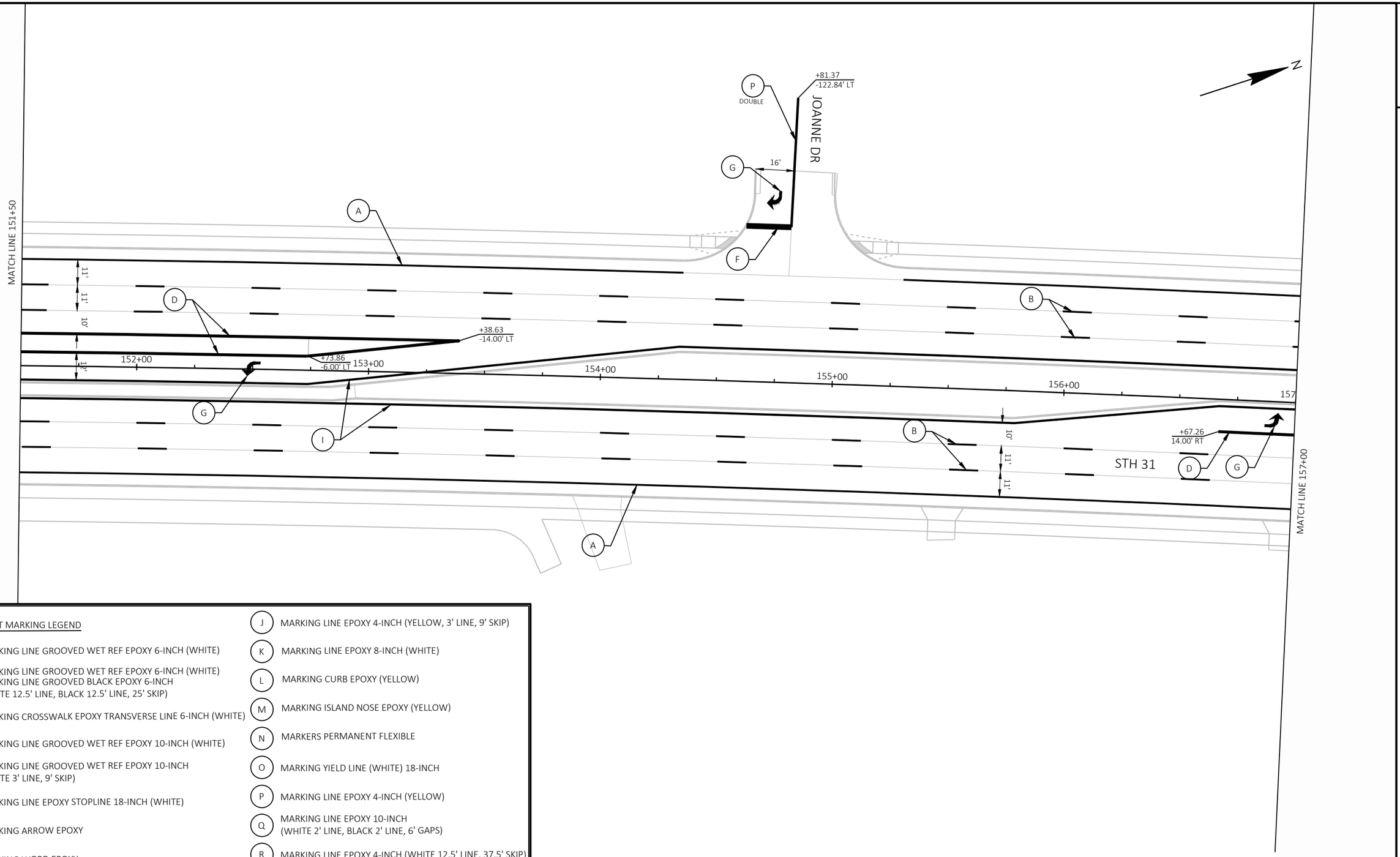
- (A) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- (B) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
  MARKING LINE GROOVED BLACK EPOXY 6-INCH
  (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- (C) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (D) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- (E) MARKING LINE GROOVED WET REF EPOXY 10-INCH
  (WHITE 3' LINE, 9' SKIP)
- (F) MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- (G) MARKING ARROW EPOXY
- (H) MARKING WORD EPOXY
- (I) MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- (K) MARKING LINE EPOXY 8-INCH (WHITE)
- (L) MARKING CURB EPOXY (YELLOW)
- (M) MARKING ISLAND NOSE EPOXY (YELLOW)
- (N) MARKERS PERMANENT FLEXIBLE
- (O) MARKING YIELD LINE (WHITE) 18-INCH
- (P) MARKING LINE EPOXY 4-INCH (YELLOW)
- (Q) MARKING LINE EPOXY 10-INCH
  (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- (R) MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- (S) MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 305	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024506-pm
PLOT DATE : 7/28/2025 8:19 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



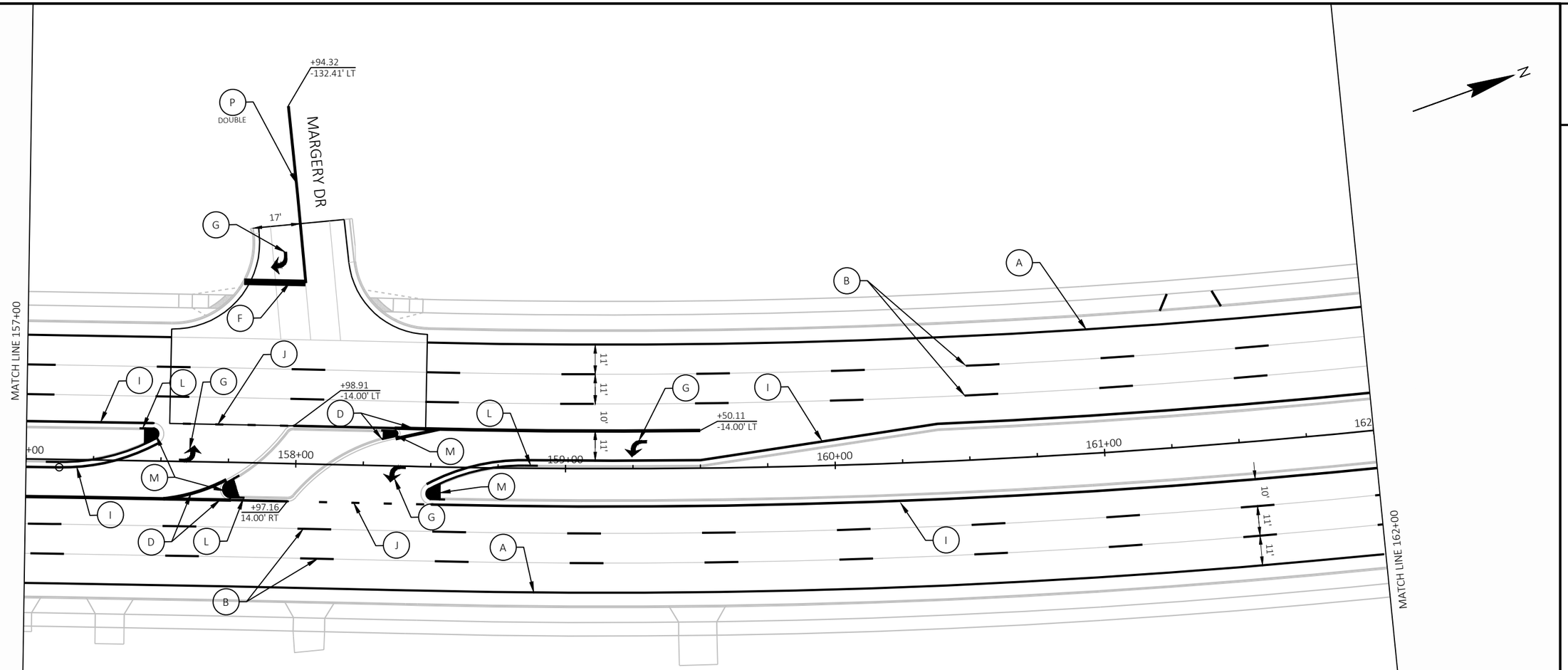
PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 306	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm
PLOT DATE : 7/28/2025 8:19 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



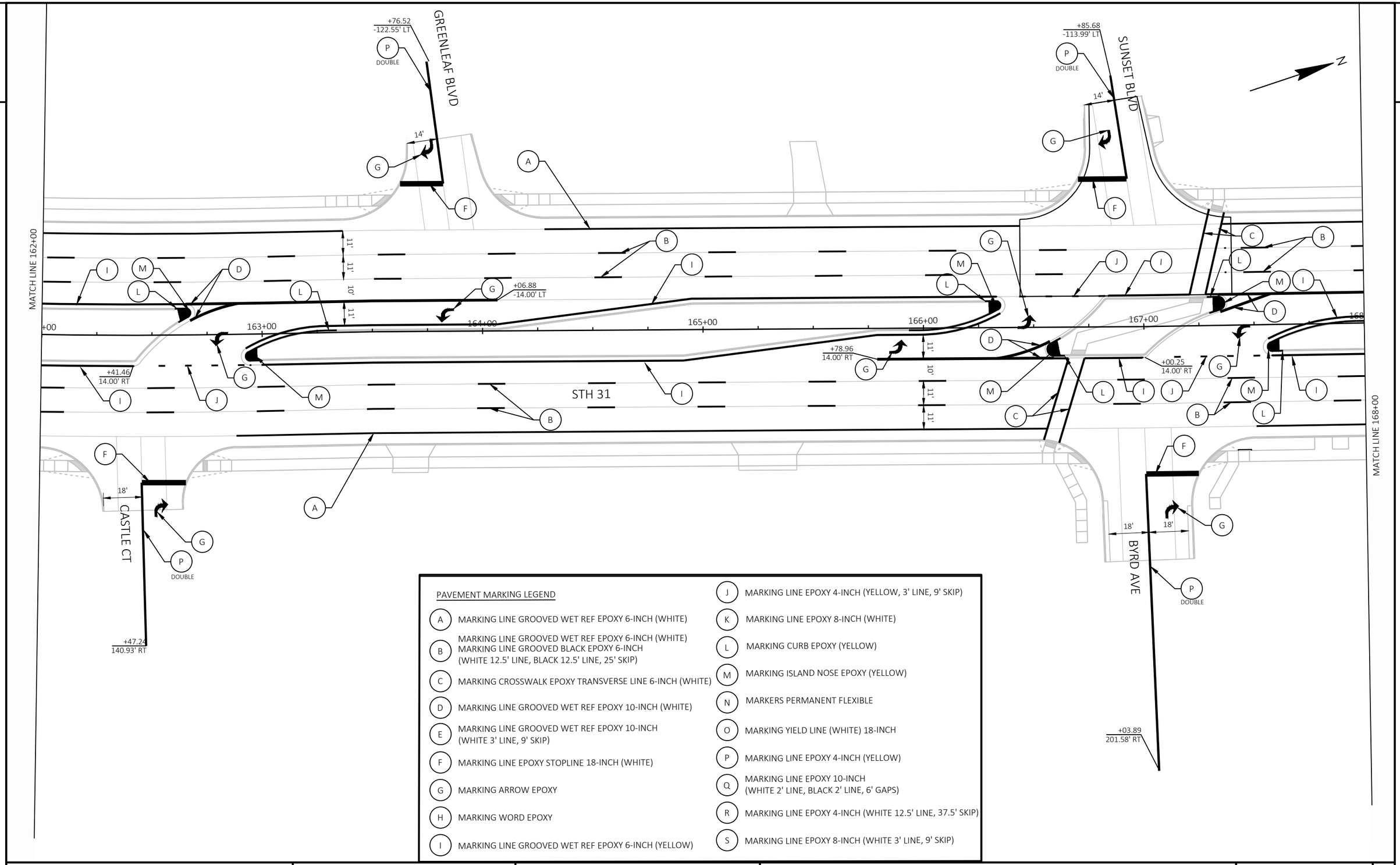
PAVEMENT MARKING LEGEND

- (A) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- (B) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
  MARKING LINE GROOVED BLACK EPOXY 6-INCH
  (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- (C) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (D) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- (E) MARKING LINE GROOVED WET REF EPOXY 10-INCH
  (WHITE 3' LINE, 9' SKIP)
- (F) MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- (G) MARKING ARROW EPOXY
- (H) MARKING WORD EPOXY
- (I) MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- (K) MARKING LINE EPOXY 8-INCH (WHITE)
- (L) MARKING CURB EPOXY (YELLOW)
- (M) MARKING ISLAND NOSE EPOXY (YELLOW)
- (N) MARKERS PERMANENT FLEXIBLE
- (O) MARKING YIELD LINE (WHITE) 18-INCH
- (P) MARKING LINE EPOXY 4-INCH (YELLOW)
- (Q) MARKING LINE EPOXY 10-INCH
  (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- (R) MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- (S) MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 307	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024508-pm
PLOT DATE : 7/28/2025 8:20 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



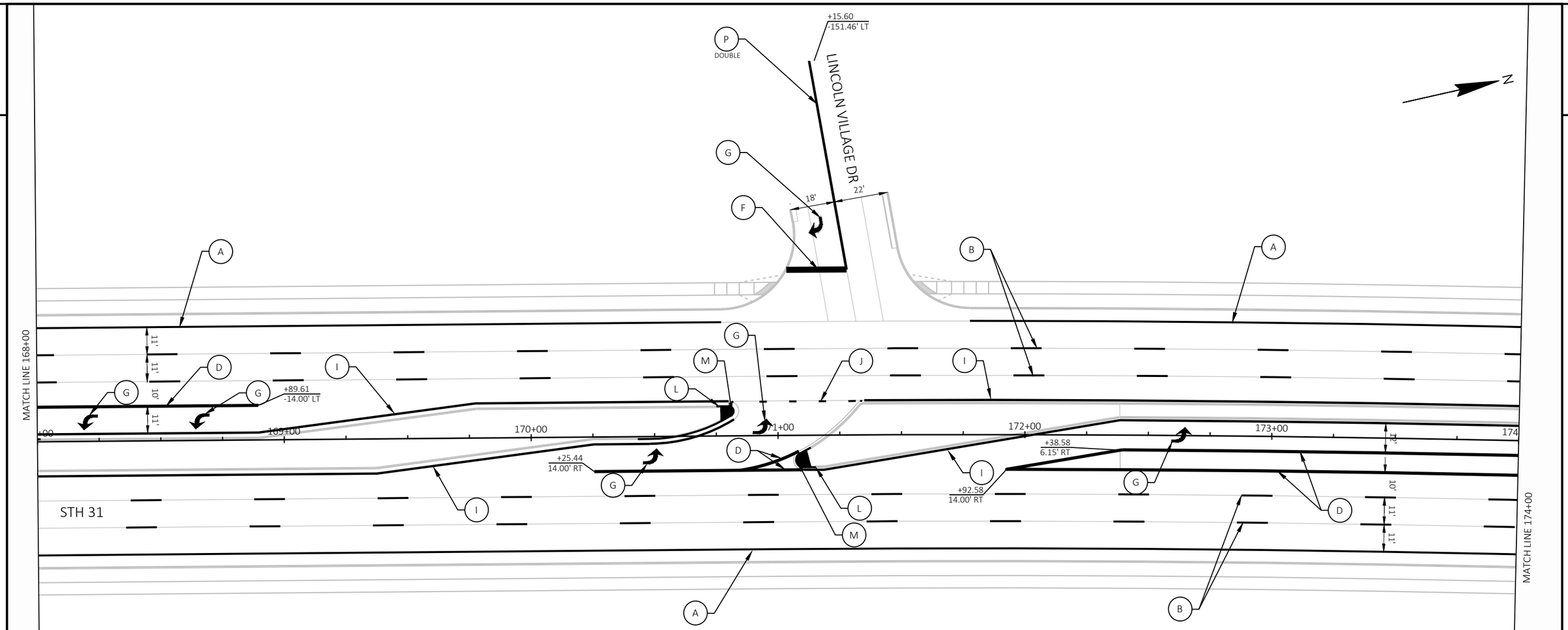
PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 308	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024509-pm
PLOT DATE : 7/28/2025 8:20 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



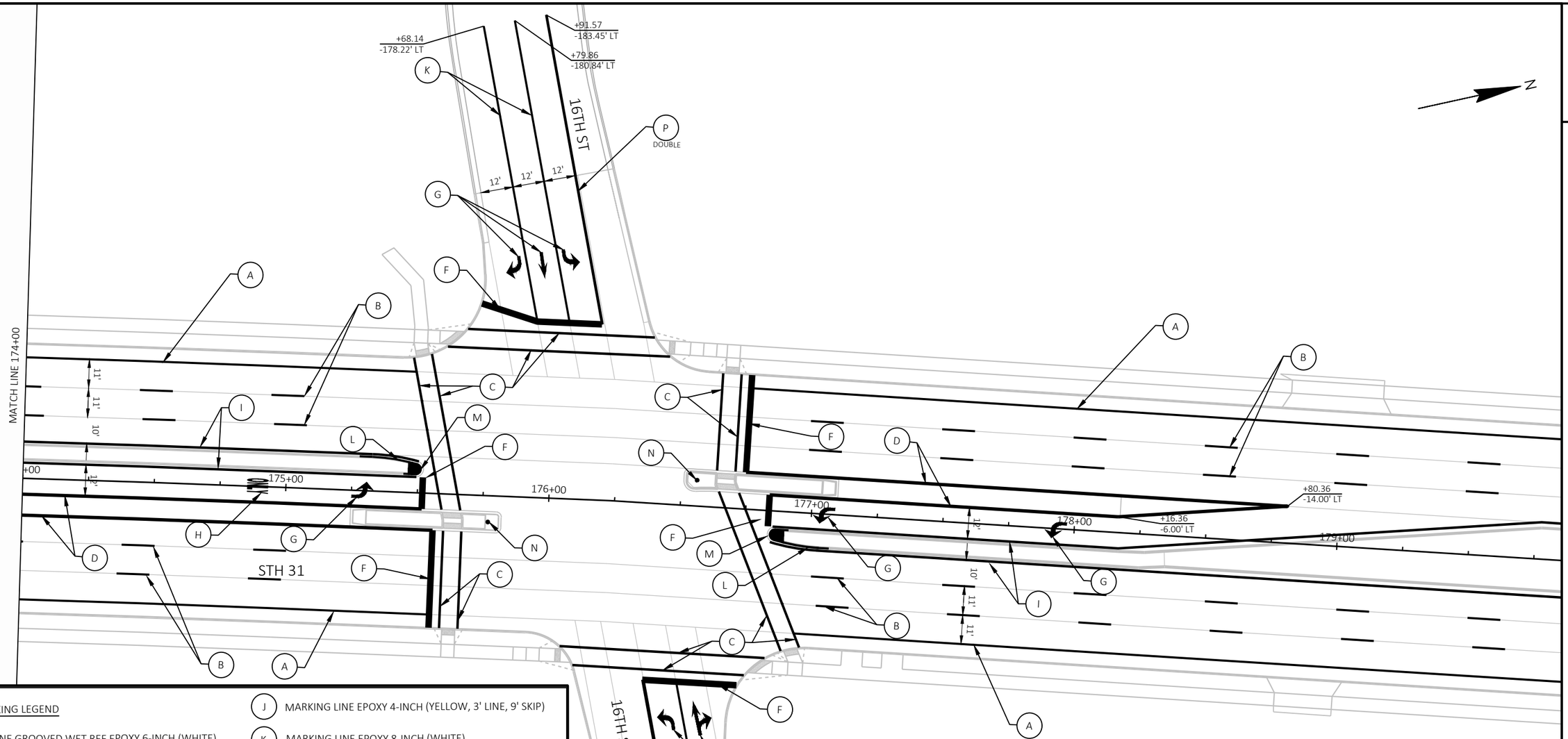
PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
  MARKING LINE GROOVED BLACK EPOXY 6-INCH
  (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH
  (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH
  (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 309	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024510-pm
PLOT DATE : 7/28/2025 8:20 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



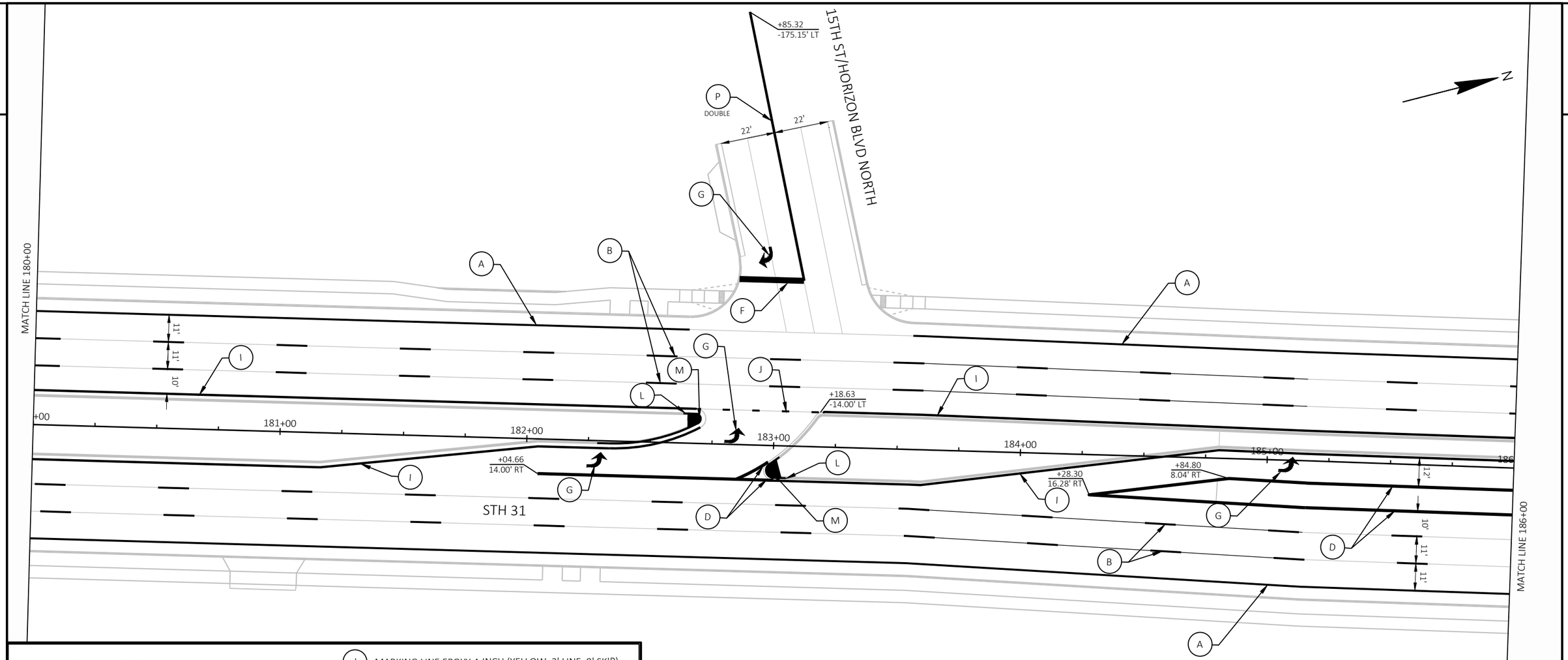
PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
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- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 310	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024511-pm
PLOT DATE : 7/28/2025 8:21 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

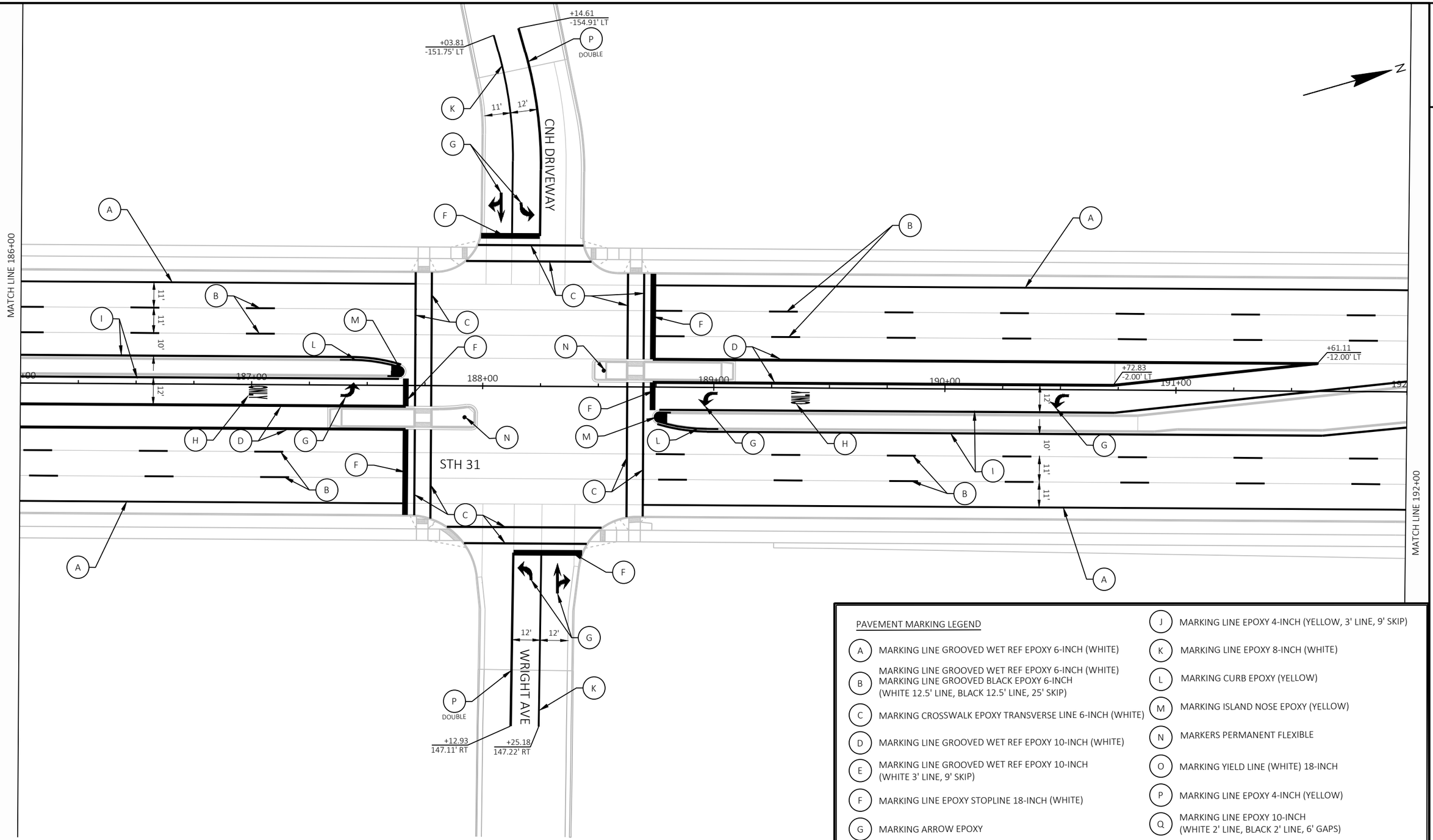


PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
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- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
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- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 311	E

2



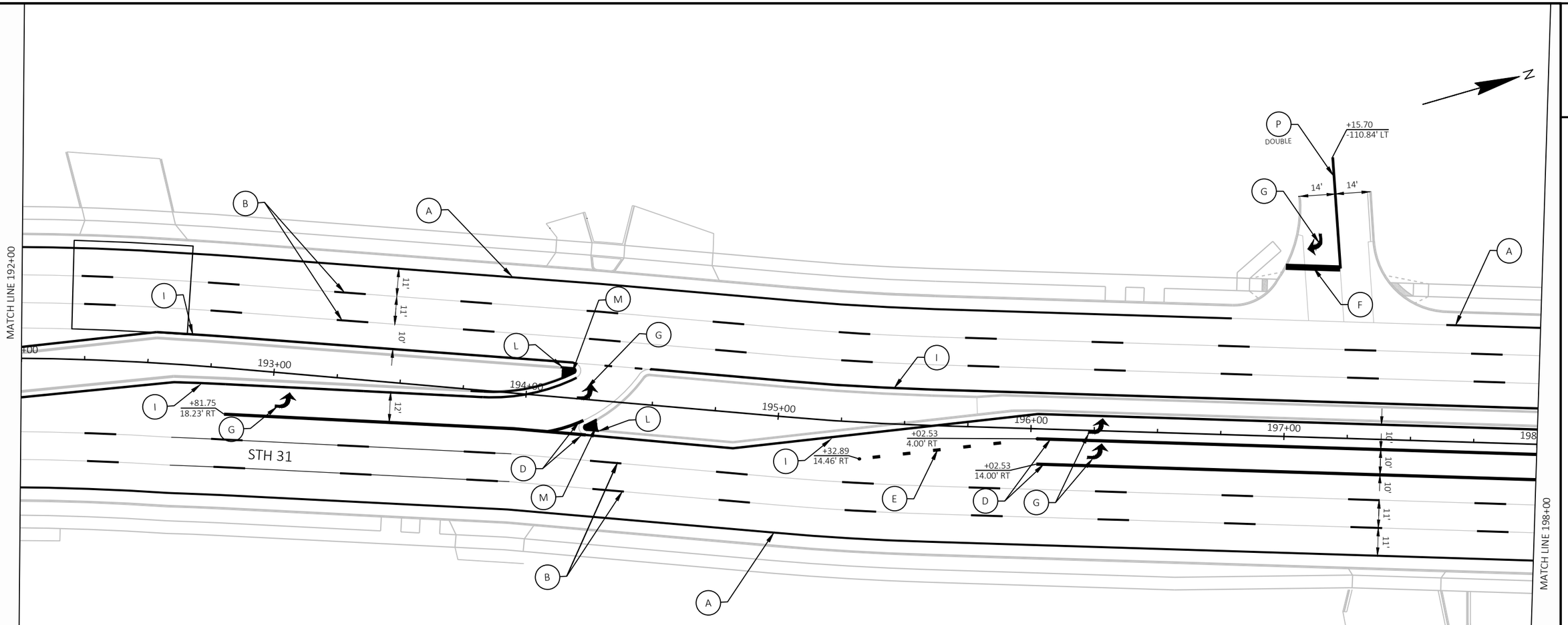
PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
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- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
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- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 312	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024513-pm
PLOT DATE : 7/28/2025 8:22 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 313	E

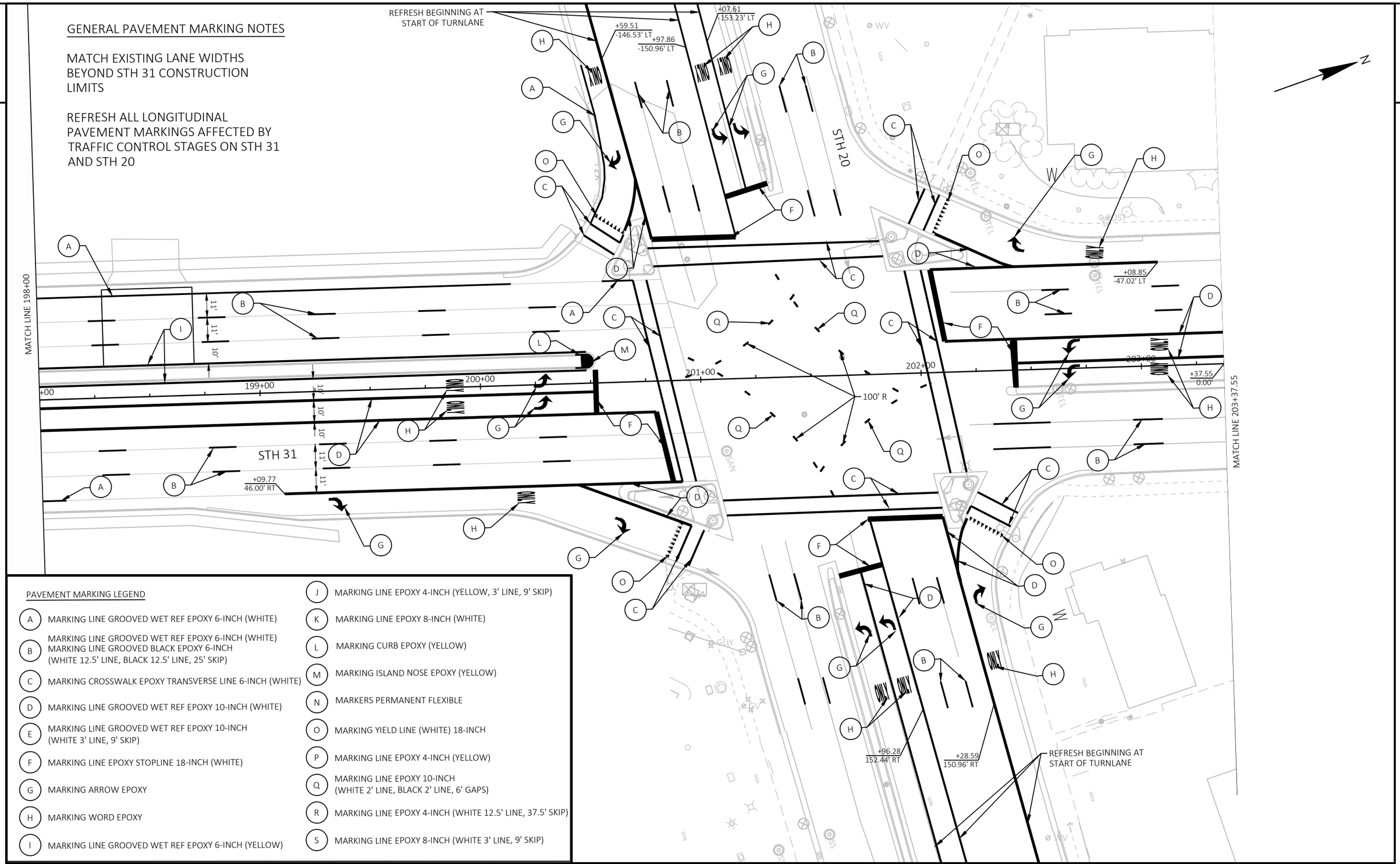
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LAYOUT NAME - 024514-pm
PLOT DATE : 7/28/2025 8:22 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

GENERAL PAVEMENT MARKING NOTES

MATCH EXISTING LANE WIDTHS BEYOND STH 31 CONSTRUCTION LIMITS

REFRESH ALL LONGITUDINAL PAVEMENT MARKINGS AFFECTED BY TRAFFIC CONTROL STAGES ON STH 31 AND STH 20



PAVEMENT MARKING LEGEND

- A — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- B — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- C — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- D — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- F — MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- G — MARKING ARROW EPOXY
- H — MARKING WORD EPOXY
- I — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- J — MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- K — MARKING LINE EPOXY 8-INCH (WHITE)
- L — MARKING CURB EPOXY (YELLOW)
- M — MARKING ISLAND NOSE EPOXY (YELLOW)
- N — MARKERS PERMANENT FLEXIBLE
- O — MARKING YIELD LINE (WHITE) 18-INCH
- P — MARKING LINE EPOXY 4-INCH (YELLOW)
- Q — MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- R — MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- S — MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 314	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
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PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

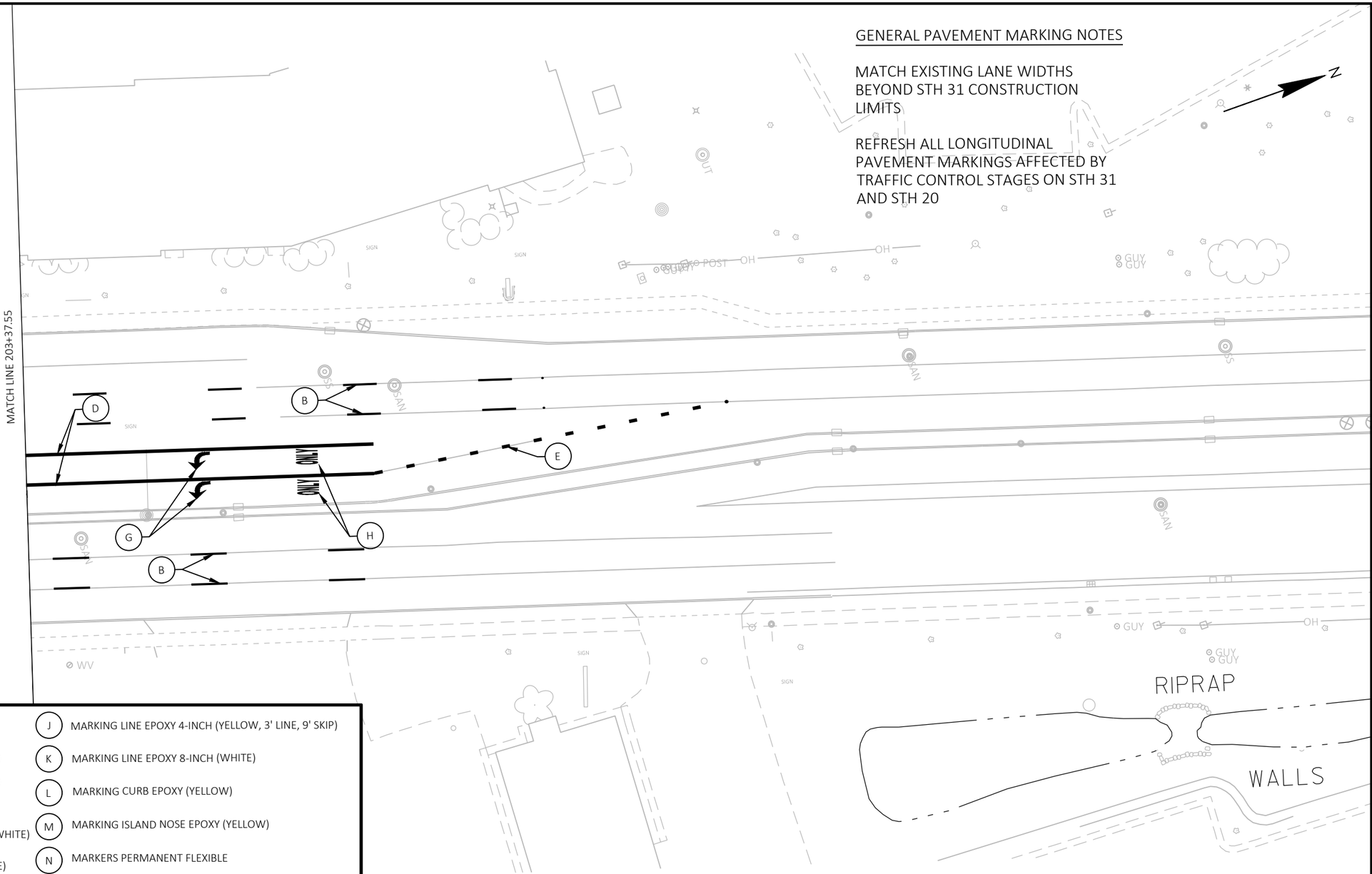
GENERAL PAVEMENT MARKING NOTES

MATCH EXISTING LANE WIDTHS BEYOND STH 31 CONSTRUCTION LIMITS

REFRESH ALL LONGITUDINAL PAVEMENT MARKINGS AFFECTED BY TRAFFIC CONTROL STAGES ON STH 31 AND STH 20

N

MATCH LINE 203+37.55



PAVEMENT MARKING LEGEND

- (A) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- (B) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) MARKING LINE GROOVED BLACK EPOXY 6-INCH (WHITE 12.5' LINE, BLACK 12.5' LINE, 25' SKIP)
- (C) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (D) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
- (E) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE 3' LINE, 9' SKIP)
- (F) MARKING LINE EPOXY STOPLINE 18-INCH (WHITE)
- (G) MARKING ARROW EPOXY
- (H) MARKING WORD EPOXY
- (I) MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 3' LINE, 9' SKIP)
- (K) MARKING LINE EPOXY 8-INCH (WHITE)
- (L) MARKING CURB EPOXY (YELLOW)
- (M) MARKING ISLAND NOSE EPOXY (YELLOW)
- (N) MARKERS PERMANENT FLEXIBLE
- (O) MARKING YIELD LINE (WHITE) 18-INCH
- (P) MARKING LINE EPOXY 4-INCH (YELLOW)
- (Q) MARKING LINE EPOXY 10-INCH (WHITE 2' LINE, BLACK 2' LINE, 6' GAPS)
- (R) MARKING LINE EPOXY 4-INCH (WHITE 12.5' LINE, 37.5' SKIP)
- (S) MARKING LINE EPOXY 8-INCH (WHITE 3' LINE, 9' SKIP)

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 315	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\024501-PM.DWG
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PLOT DATE : 7/28/2025 8:23 AM
PLOT BY : CODY LABELLE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

	WORK ZONE
	TRAFFIC CONTROL COVERING SIGNS
	TRAFFIC FLOW
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	TRAFFIC CONTROL CONE 42-INCH
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASE & POST
	CONNECTED ARROW BOARD
	POST MOUNTED TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGN MOUNTED ON TEMPORARY SUPPORT
	TRAFFIC CONTROL BARRICADE TYPE III WITH TWO TYPE A WARNING LIGHTS WITH/WITHOUT SIGN
ESTR	EXISTING SIGN TO REMAIN
PSIP	PROPOSED SIGN IN PLACE
PCMS	TRAFFIC CONTROL SIGNS PCMS
	PAVEMENT MARKING INSTALLED THIS STAGE
	PAVEMENT MARKING INSTALLED IN PREVIOUS STAGE
	TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY 16"X16" FLAGS (INCIDENTAL TO TRAFFIC CONTROL SIGNS)
	TEMPORARY AUDIBLE MESSAGE DEVICE

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL:

1. TRAFFIC CONTROL DRUMS IN TAPERS SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS, UNLESS OTHERWISE SHOWN.
2. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
3. SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED. THE COVERING OF TYPE II SIGNS IS INCLUDED UNDER THE BID ITEM TRAFFIC CONTROL COVERING SIGNS TYPE II.
4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
5. ALL TRAFFIC CONTROL SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED IN THE PLANS.
6. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
7. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
8. ADEQUATE TURNING PROVISIONS SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS.
9. EXISTING PAVEMENT MARKINGS TO BE REMOVED THAT WILL NOT BE REPLACED IN THE SAME LOCATION AFTER CONSTRUCTION SHALL BE REMOVED USING THE MARKING REMOVAL LINE WATER BLASTING BID ITEMS . DO NOT GRIND EXISTING PAVEMENT MARKINGS THAT WILL NOT BE REPLACED AFTER CONSTRUCTION.
10. BARRICADE STRIPES SHALL POINT DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.
11. THE CONTRACTOR SHALL ENSURE ADEQUATE DRAINAGE AND AVOID ANY PONDING OR STANDING WATER DURING THE STAGED CONSTRUCTION.
12. TEMPORARY MARKINGS SHALL BE TEMPORARY TAPE WHEN PLACED ON NEW OR EXISTING PAVEMENT SURFACES THAT ARE TO REMAIN IN PLACE FOLLOWING CONSTRUCTION. PAINT MAY BE USED ON EXISTING PAVEMENT OR BINDER HMA LAYERS THAT ARE TO BE REMOVED OR OVERLAID IN SUBSEQUENT STAGES. TEMPORARY PAVEMENT MARKINGS ON NEW PAVEMENT OR EXISTING PAVEMENT THAT WILL REMAIN IN PLACE AFTER CONSTRUCTION SHALL BE REMOVED USING WATER BLASTING. REMOVAL OF TEMPORARY MARKINGS IS INCIDENTAL TO THE TEMPORARY PAVEMENT MARKING BID ITEMS. DO NOT GRIND TEMPORARY PAVEMENT MARKINGS OFF NEW PAVEMENT OR EXISTING PAVEMENT THAT WILL REMAIN AFTER CONSTRUCTION.
13. IN CONSTRAINED AREAS WHERE THERE IS NOT SUFFICIENT ROOM BETWEEN THE EDGE OF PROPOSED CONCRETE AND AN OPEN TRAFFIC LANE FOR THE CONCRETE PAVER TRACK THE CONTRACTOR MAY CLOSED THE TRAVEL LANE IMMEDIATELY ADJACENT TO THE WORK ZONE DURING OFF PEAK HOURS. LANE CLOSURES WILL NOT BE ALLOWED DURING PEAK HOURS.
14. TEMPORARY STORM SEWER ELEVATIONS AND CONNECTIONS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED BY THE FIELD ENGINEER.

TEMPORARY PAVEMENT MARKING LEGEND

A	TEMPORARY MARKING ARROW PAINT (WHITE)
P	PERMANENT PAVEMENT MARKINGS (SEE PAVEMENT MARKING PLAN)
SB	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TA	TEMPORARY MARKING ARROW REMOVABLE TAPE (WHITE)
TSB	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
TW	TEMPORARY MARKING WORDS REMOVABLE TAPE (WHITE)
TW6	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TW10	TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
TWL	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE) (12.5' SEGMENT, 37.5' GAP)
TWS	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE) (3' SEGMENT, 9' GAP)
TWT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE) (2' SEGMENT, 6' GAP)
TXW	TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH (WHITE)
TY6	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
TYS	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW) (2' SEGMENT, 6' GAP)
W	TEMPORARY MARKING WORDS PAINT (WHITE)
W6	TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
W10	TEMPORARY MARKING LINE PAINT 10-INCH (WHITE)
WL	TEMPORARY MARKING LINE PAINT 6-INCH (WHITE) (12.5' SEGMENT, 37.5' GAP)
WS	TEMPORARY MARKING LINE PAINT 6-INCH (WHITE) (3' SEGMENT, 9' GAP)
XW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH (WHITE)
Y6	TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
Y10	TEMPORARY MARKING LINE PAINT 10-INCH (YELLOW)

TRAFFIC CONTROL PLANS PREPARED BY:

raSmith
CREATIVITY BEYOND ENGINEERING
rasmith.com

WISCONSIN
JAMES W. BLACKWOOD
E-41460
PEWAUKEE
WI
PROFESSIONAL ENGINEER

11/24/2025 (DATE)
Jim Blackwood (SIGNATURE)

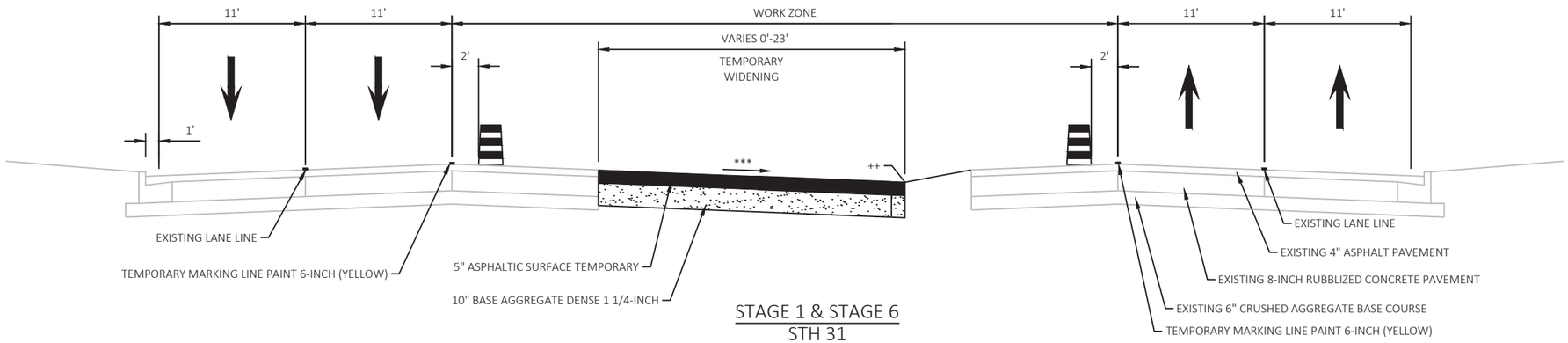
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SHEET 1 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL NOTES	SHEET 316	E

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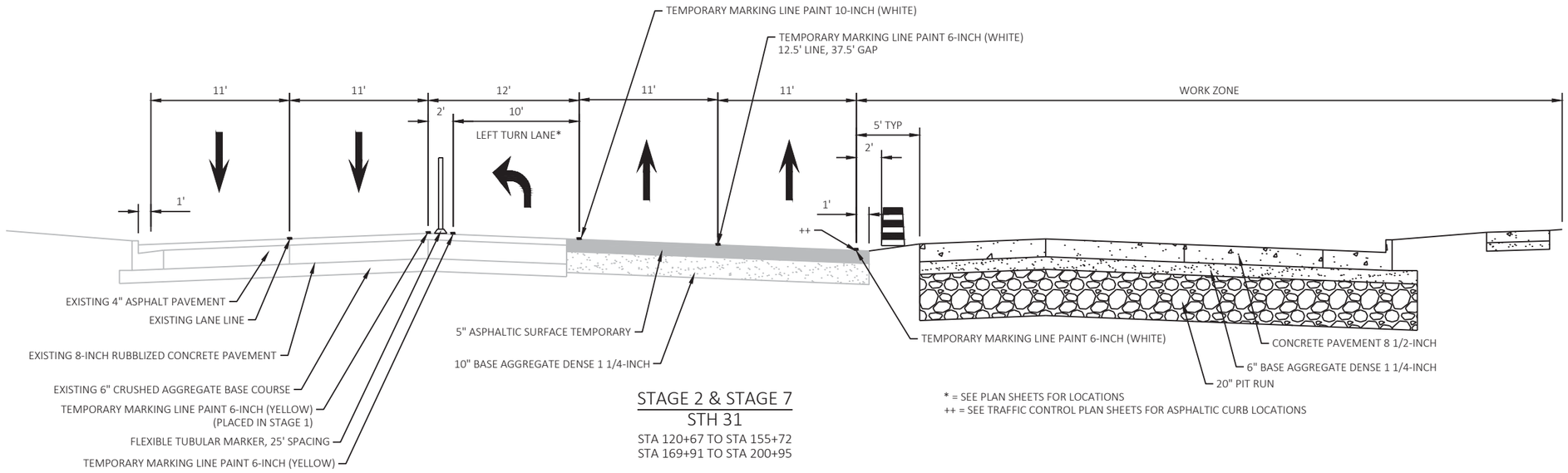
STAGE 1 & STAGE 6
STH 31

++ SEE TRAFFIC CONTROL PLAN SHEETS FOR ASPHALTIC CURB LOCATIONS
*** SEE CROSS SECTIONS FOR TEMPORARY PAVEMENT CROSS SLOPE INFORMATION

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 317	E

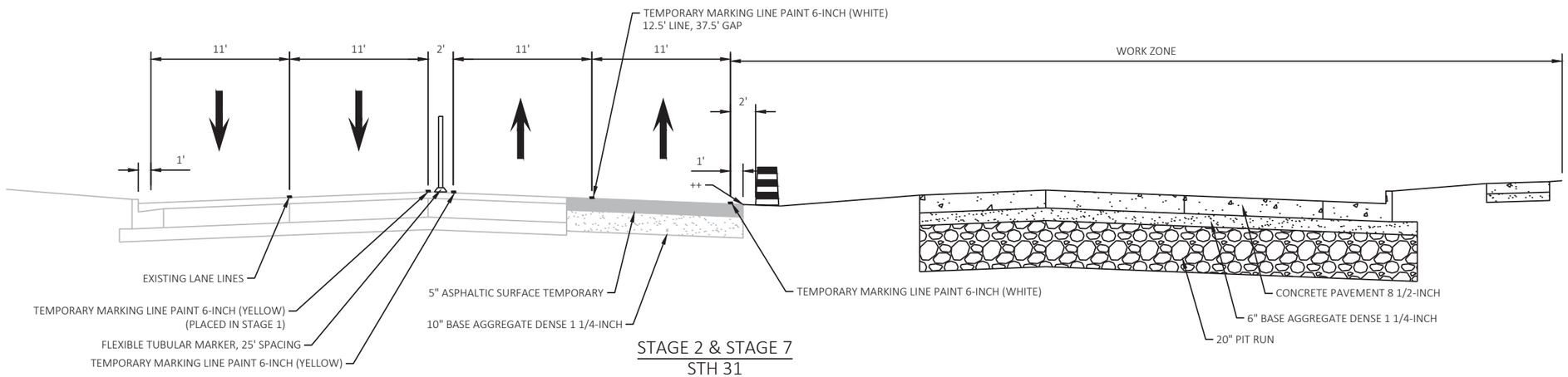
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LAYOUT NAME - 01
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PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



STAGE 2 & STAGE 7
STH 31
STA 120+67 TO STA 155+72
STA 169+91 TO STA 200+95

* = SEE PLAN SHEETS FOR LOCATIONS
++ = SEE TRAFFIC CONTROL PLAN SHEETS FOR ASPHALTIC CURB LOCATIONS



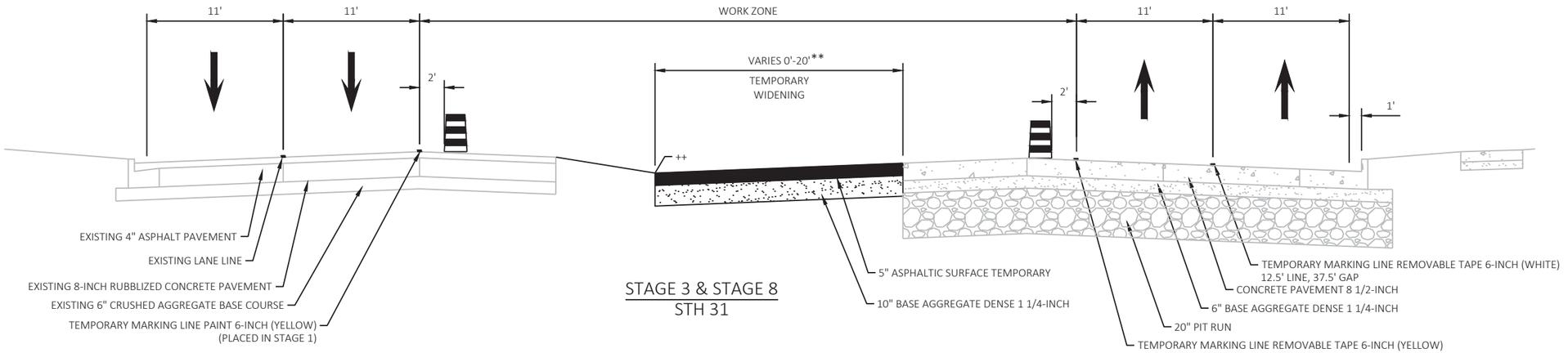
STAGE 2 & STAGE 7
STH 31
STA 155+72 TO STA 169+91

SHEET 3 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 318	E

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PLOT NAME :
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WISDOT/CADDS SHEET 42

2



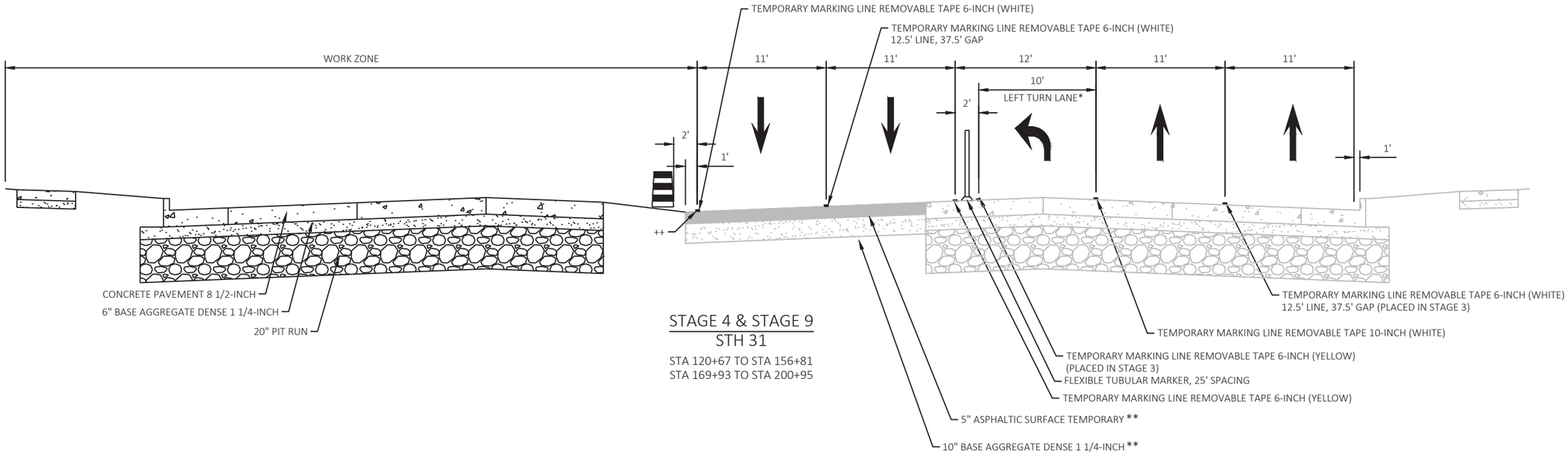
STAGE 3 & STAGE 8
STH 31

** = CONSTRUCT NB LEFT TURN LANE PERMANENT PAVEMENT WHERE POSSIBLE IN LIEU OF TEMPORARY WIDENING. TEMPORARY WIDENING SHOWN.
++ = SEE TRAFFIC CONTROL PLANS FOR ASPHALTIC CURB LOCATIONS

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 319	E

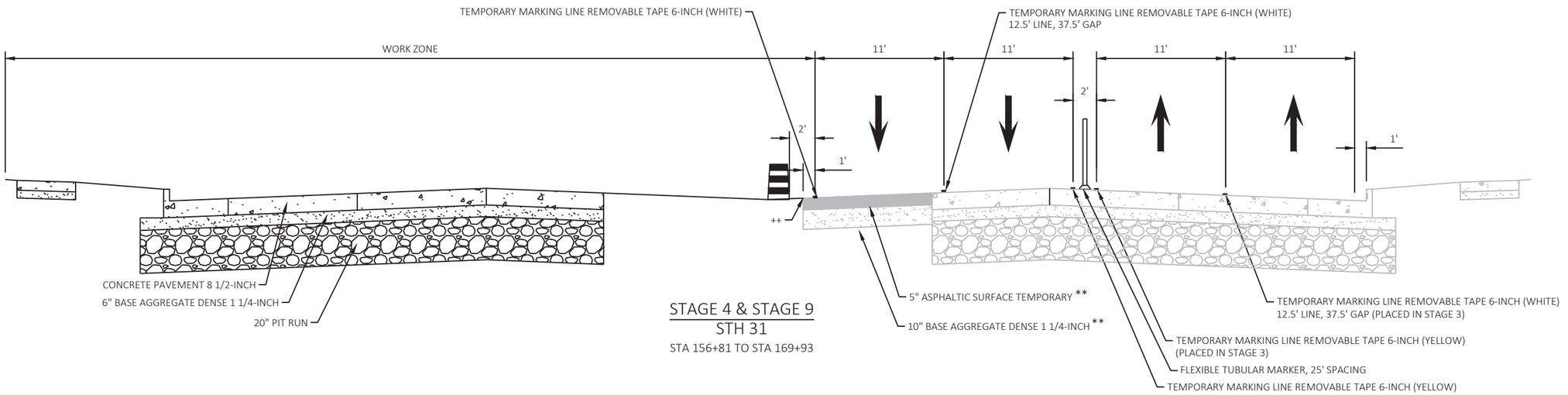
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PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



STAGE 4 & STAGE 9
STH 31
STA 120+67 TO STA 156+81
STA 169+93 TO STA 200+95

* = SEE PLAN SHEETS FOR LOCATIONS
** = SOUTHBOUND TRAFFIC MAY BE ON PERMANENT PAVEMENT OR TEMPORARY PAVEMENT
++ = SEE TRAFFIC CONTROL PLANS FOR ASPHALTIC CURB LOCATIONS

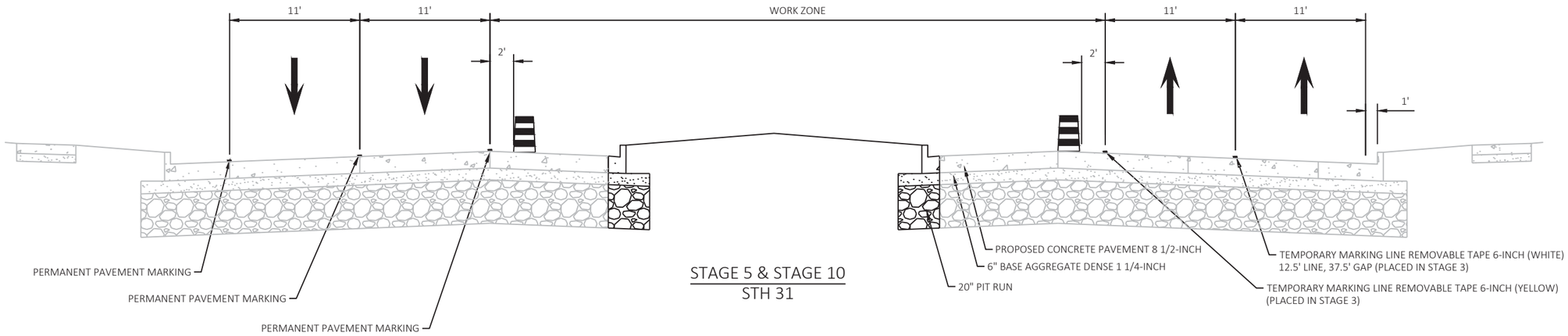


STAGE 4 & STAGE 9
STH 31
STA 156+81 TO STA 169+93

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 320	E

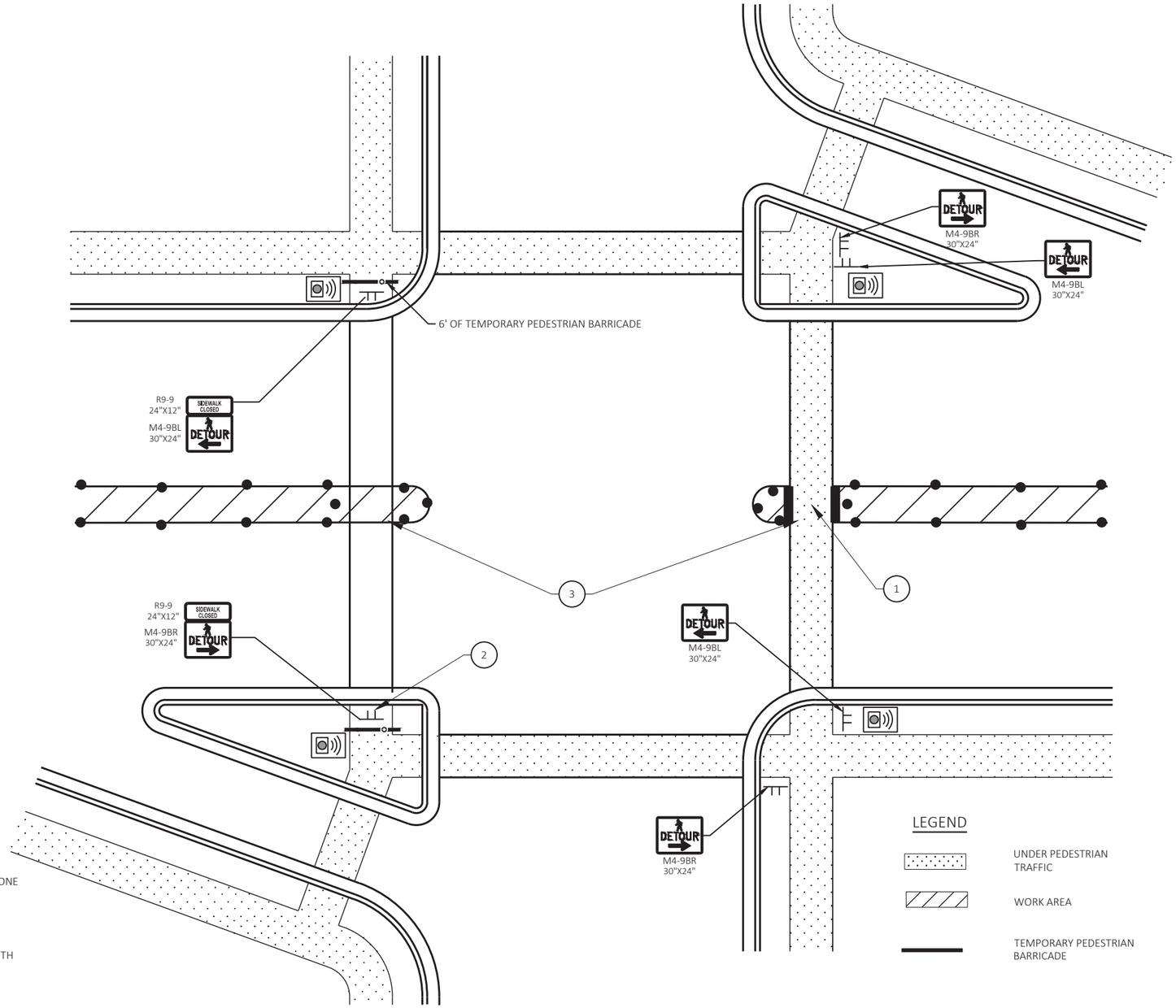
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PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



STAGE 5 & STAGE 10
STH 31

2



LEGEND

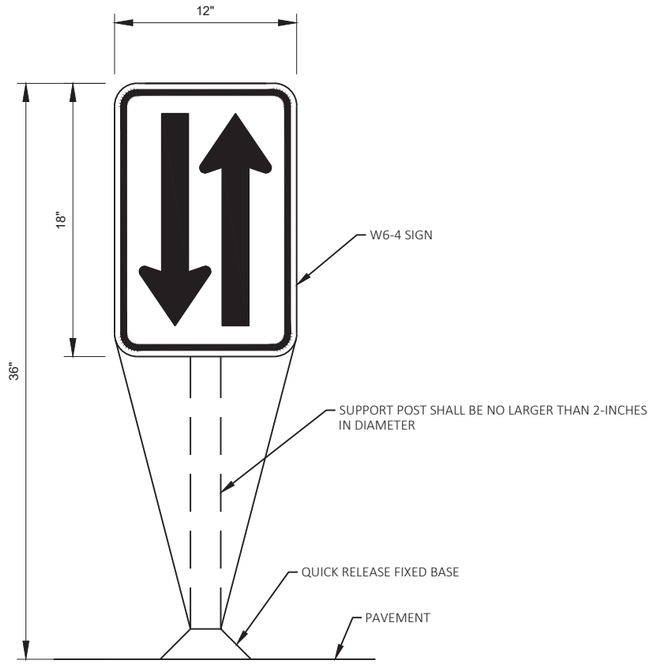
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT

NOTES:

1. PROVIDE PROWAG COMPLIANT FACILITY THROUGH WORK ZONE USING EXISTING PAVEMENT, PROPOSED SIDEWALK, OR TEMPORARY PEDESTRIAN SURFACE.
2. CLOSE CROSSWALK WITH A 6' SECTION OF TEMPORARY PEDESTRIAN BARRICADE. PLACE A TEMPORARY SUPPORT WITH SIGNS BEHIND BARRICADE TO GUIDE PEDESTRIANS TO PEDESTRIAN DETOUR ROUTE.
3. MAINTAIN ONE CROSSING ACROSS STH 31 AT ALL TIMES

CROSSWALK CLOSURE DETAIL

FOR USE ON ALL CROSSINGS OF STH 31 WHEN SIDEWALK IS PRESENT ON BOTH SIDES OF STH 31



W6-4 SIGN MOUNTED ON PAVEMENT

TO BE USED AT INTERSECTIONS WHERE TRAFFIC IS SEPARATED BY FLEXIBLE TUBULAR MARKERS

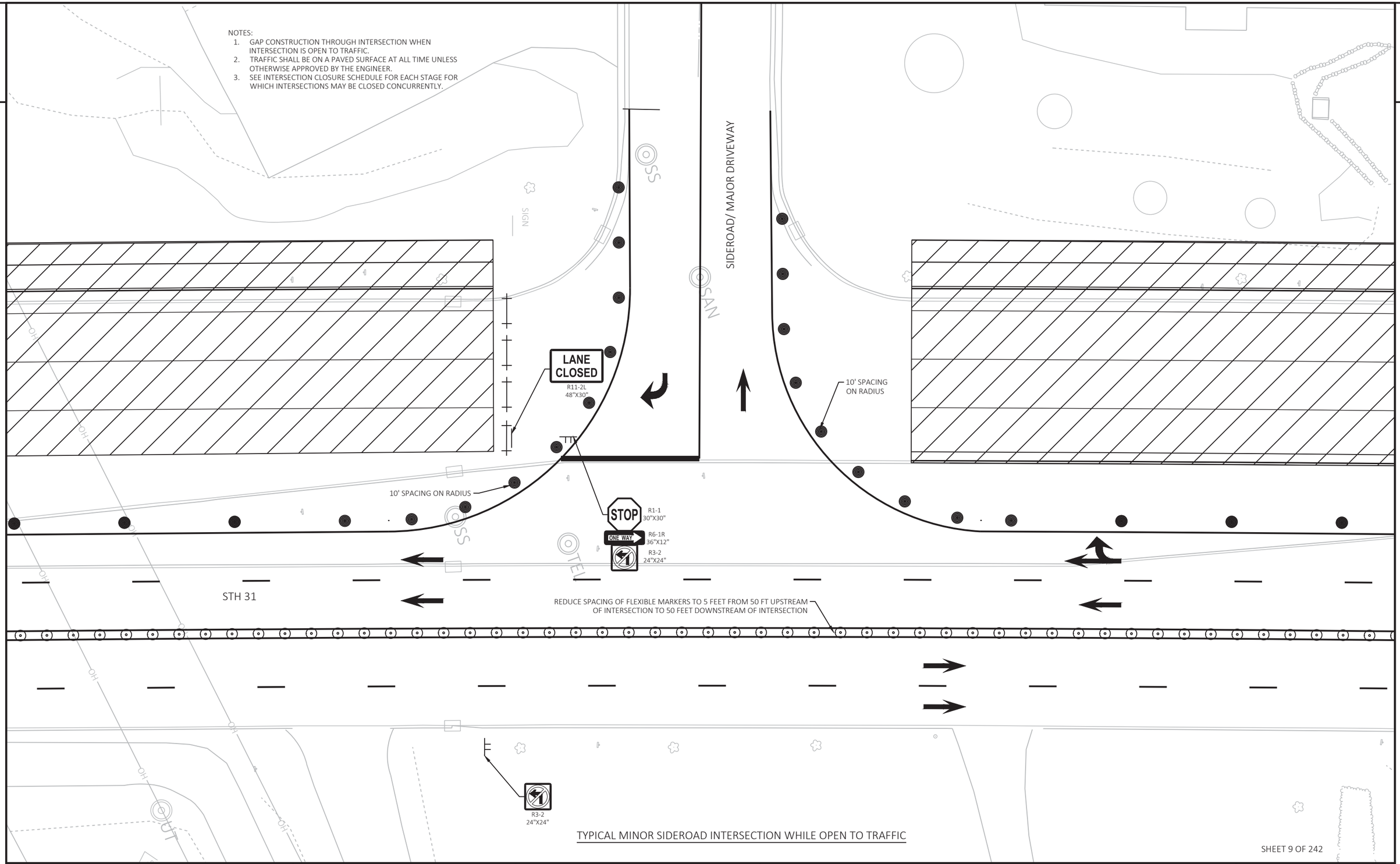
TO BE PAID FOR AS TRAFFIC CONTROL SIGNS

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS

NOTES:
1. SIGN AND POST SHALL BE MOUNTED TO THE PAVEMENT WITH A QUICK RELEASE FIXED BASE.

ASPHALTIC CURB

NOTES:
1. GAP CONSTRUCTION THROUGH INTERSECTION WHEN INTERSECTION IS OPEN TO TRAFFIC.
2. TRAFFIC SHALL BE ON A PAVED SURFACE AT ALL TIME UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. SEE INTERSECTION CLOSURE SCHEDULE FOR EACH STAGE FOR WHICH INTERSECTIONS MAY BE CLOSED CONCURRENTLY.



TYPICAL MINOR SIDEROAD INTERSECTION WHILE OPEN TO TRAFFIC

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL CONSTRUCTION DETAILS	SHEET 324	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\025002-TC DETAIL.DWG
LAYOUT NAME - 01
PLOT DATE : 7/15/2025 4:52 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

NOTES:
1. SEE INTERSECTION CLOSURE SCHEDULE FOR EACH STAGE FOR WHICH INTERSECTIONS CAN BE CLOSED CONCURRENTLY
2. SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL SIDEROAD CLOSURE DETAILS.
3. SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIDEROAD ADVANCED SIGNING REQUIREMENTS

SIDEROAD/
MAJOR
DRIVEWAY

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

STH 31

REDUCE SPACING OF FLEXIBLE MARKERS TO 5 FEET FROM 50 FEET UPSTREAM OF INTERSECTION TO 50 FEET DOWNSTREAM OF INTERSECTION

R3-1
24"X24"

TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC

R3-2
24"X24"

SHEET 10 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL CONSTRUCTION DETAILS	SHEET 325	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\025003-TC DETAIL.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 4:53 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

NOTES:
1. FOR USE IN STAGE 3 & STAGE 5 FOR 7 CALENDAR DAY MEDIAN CLOSURE FOR MEDIAN WORK.
2. SEE INTERSECTION CLOSURE SCHEDULE FOR EACH STAGE FOR WHICH INTERSECTIONS CAN BE CLOSED CONCURRENTLY.
3. FOR USE IN STAGE 3 & 5 FOR OFF PEAK LANE LEFT TURN LANE AND INTERSECTION CLOSURES.
4. EXISTING PAVEMENT MARKINGS TO REMAIN.

CLOSE LEFT TURN AND THRU LANE IN ACCORDANCE WITH SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

ONE WAY
R6-2R 24"X30"

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

R3-2 24"X24"

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

PLACE AT START OF LEFT TURN LANE
R3-2 24"X24"

147+00 148+00 149+00 150+00 151+00 152+00

R3-2 24"X24"
PLACE AT START OF LEFT TURN LANE

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

R3-2 24"X24"

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

ONE WAY
R6-2R 24"X30"

WHEN PEDESTRIAN ACCOMMODATIONS ARE PRESENT STAGE PEDESTRIAN ACCOMMODATIONS TO MAINTAIN ONE CROSSING OF STH 31 AT ALL TIMES

CLOSE LEFT TURN AND THRU LANE IN ACCORDANCE WITH SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

TYPICAL MEDIAN CLOSURE AT INTERSECTION

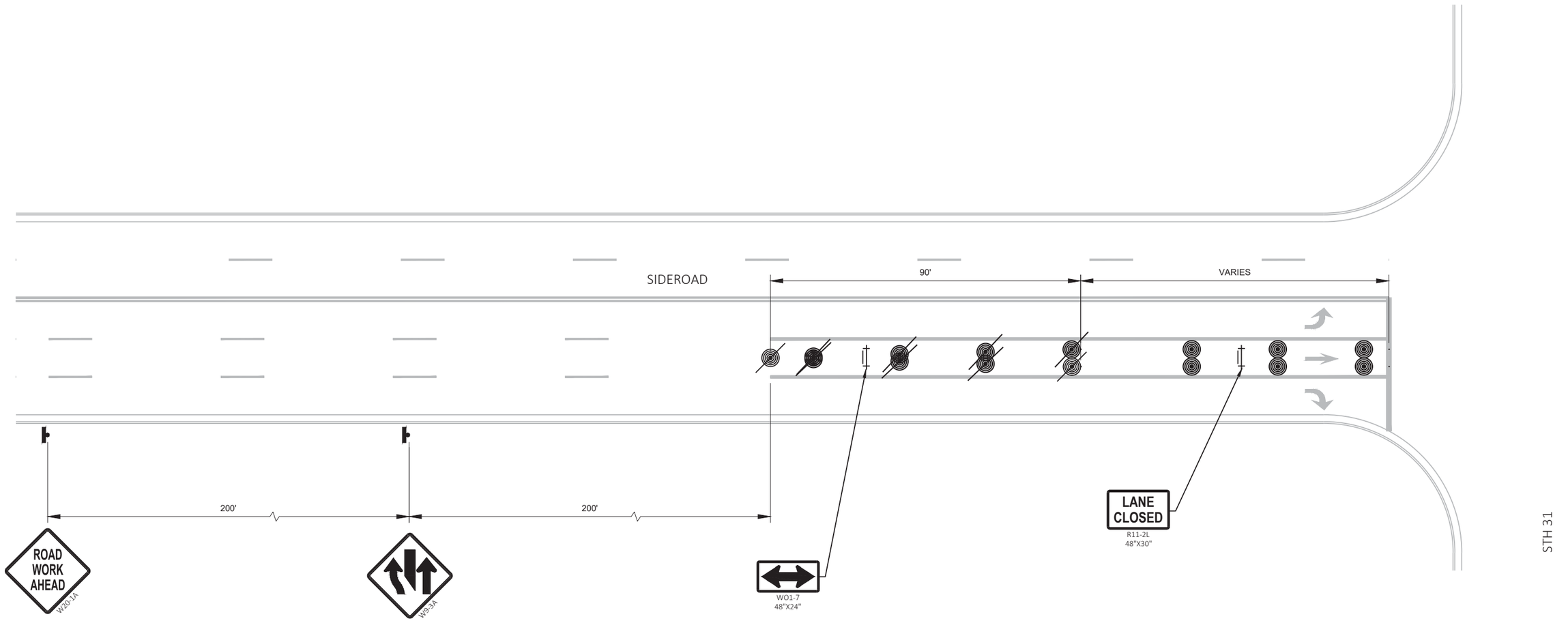
SHEET 11 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL CONSTRUCTION DETAILS	SHEET 326	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\025004-TC DETAIL.DWG
LAYOUT NAME - 01
PLOT DATE : 7/15/2025 4:53 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



SIDEROAD THROUGH LANE CLOSURE DETAIL

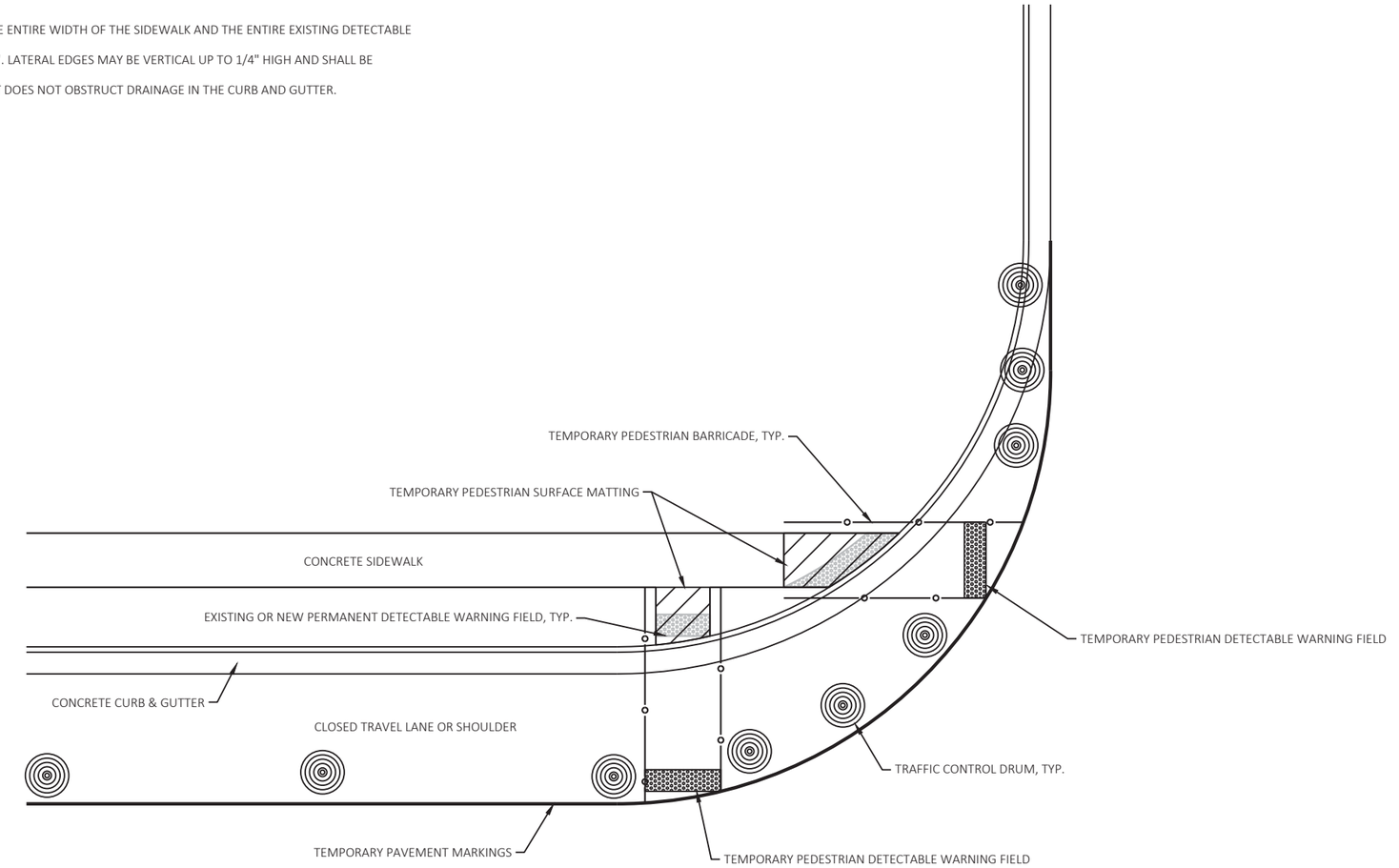
FOR USE WHEN SIDEROAD ON OPPOSITE SIDE OF STH 31 IS CLOSED
AND THROUGH LANE NEEDS TO BE CLOSED

TIMBER DRIVE WEST OF STH 31 - STAGE 2
21ST STREET WEST OF STH 31 - STAGE 2
16TH STREET WEST OF STH 31 - STAGE 2
21ST STREET EAST OF STH 31 - STAGE 4

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL CONSTRUCTION DETAILS	SHEET 327	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\025001-TC DETAIL.DWG
LAYOUT NAME - 03
PLOT DATE : 7/15/2025 4:53 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

NOTES:
1. TEMPORARY PEDESTRIAN SURFACE MATTING SHALL COVER THE ENTIRE WIDTH OF THE SIDEWALK AND THE ENTIRE EXISTING DETECTABLE WARNING FIELD.
2. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2'. LATERAL EDGES MAY BE VERTICAL UP TO 1/4" HIGH AND SHALL BE BEVELED AT 2:1 (H:V) BETWEEN 1/4" AND 1/2".
3. PLACE TEMPORARY PEDESTRIAN SURFACE MATTING SO THAT IT DOES NOT OBSTRUCT DRAINAGE IN THE CURB AND GUTTER.



COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION

FOR USE WHEN TEMPORARY DETECTABLE WARNING FIELDS ARE USED DURING CONSTRUCTION STAGING AT LOCATIONS THAT HAVE EXISTING OR PERMANENT DETECTABLE WARNING FIELDS.

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ESTR STOP DIVIDED HIGHWAY

ESTR DEAD END

ESTR DO NOT ENTER

ESTR Green Ridge Dr

ESTR WRONG WAY

GREEN RIDGE DR

TRAFFIC CONTROL NOTES - STAGE 1

CONSTRUCTION:

- TEMPORARY TRAFFIC SIGNALS (PRIOR TO OTHER STAGE 1 WORK)
- STH 31 TEMPORARY PAVEMENT IN MEDIAN

TRAFFIC:

- STH 31 - 2 THRU LANES IN EACH DIRECTION
- PROVIDE LEFT TURN LANES AT EACH SIGNALIZED INTERSECTION. EXISTING LEFT TURN LANES TO BE CLOSED DURING OFF PEAK HOURS TO COMPLETE CONSTRUCTION OF TEMPORARY WIDENING.
- NON-SIGNALIZED INTERSECTIONS WILL BE RIGHT IN/RIGHT OUT

N

MATCH LINE 105+50

STH 31

12' 12' 12'

102+00 103+00 104+00 105+00

STH 31 R/L

+33 17' RT

ESTR ESTR

12' 12' 12'

TY6

PCMS PCMS

25'

350' 350' 350' 245' MERGE TAPER

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5SA

W04-2L

ESTR ONE WAY

ESTR SPEED LIMIT 35

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS ON BOTH SIDES OF NORTHBOUND STH 31 FOR 5 CALENDAR DAYS IN ADVANCE OF LANE CLOSURE. REMOVE AFTER LANE CLOSURE IS IN PLACE

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
ROAD WORK BEGINS	XXXXDAY XX/XX

SHEET 14 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 329	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 4:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

N

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 111+50

2

ESTR
SPEED LIMIT 35

ESTR
STOP
DIVIDED HIGHWAY

ESTR
ONE WAY

LARCHMONT DR

STH 31

12'
12'
12'

ESTR

ESTR

106+00 107+00 108+00 109+00 110+00 111+00

STH 31

TY6

+77
28' RT

25'

12'
12'

+97
28' RT

+18
15' RT

+30
27' RT

+49
15' RT

12'

+46
27' RT

25'

+40
26' RT

TW10

ESTR
JCT 11

ESTR
Larchmont Dr

BEGIN LEFT TURN LANE
R3-20L
24"X36"

245'
MERGE
TAPER

WO12-1D
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

TY6

ESTR
ONE WAY

MATCH LINE 105+50

SHEET 15 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 330	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 02

PLOT DATE : 7/15/2025 4:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE STA 117+50

2

ESTR
DO NOT ENTER

ESTR
Larchmont Dr

END ROAD WORK
G20-2A
48"X24"

ESTR
SPEED LIMIT 35

ESTR
ADOPT A HIGHWAY
THE HOME DEPOT
STORE # 4026
RACINE WI

STH 31

12'
12'
12'

112+00 113+00 STH 31 R/L 114+00 115+00 116+00 117+00

TY6

+07
26' RT

+92
28' RT

+46
13' RT

+00
28' RT

+17
6' RT

+18
16' RT

12'
12'

25'

11'
11'

25'

ESTR

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
WEST NORTH EAST
11 31 11
Durand Ave
NEXT SIGNAL

TWS

TW10

WO12-1D
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
EAST
11

MATCH LINE 111+50

SHEET 16 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 331	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 03

PLOT DATE : 7/15/2025 4:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. PLACE TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER PIPE

MATCH LINE 357+25

MATCH LINE 123+50

MATCH LINE STA 117+50

MATCH LINE 360+75

STH 31

STH 31 R/L

STH 11

Kenosha 7

118+00 119+00 120+00 121+00 122+00 123+00

359+00 85' R

360+00

TY6 TSB TYS TA TW TW10 W10 A Y6 TW10

+97 76' LT
+78 28' LT
+88 27' LT
+09 17' LT
+88 15' LT
+73 9' LT
+64 27' RT
+24 59' RT
+54 16' RT
+86 24' RT
+82 9' RT
+00 9' RT

SEE NOTE 1
SEE NOTE 2

R4-7 24"X30"

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO1-6 48" X 24"
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L 24"X36"

TEMPORARY INLET TS1-1

ASPHALT

CONCRETE WALL

Timber Dr
NEXT SIGNAL

ESTR SOUTH 31
ESTR WEST 11
ESTR EAST 11
ESTR NORTH 31
ESTR ONE WAY
ESTR DIVIDED HIGHWAY
ESTR DO NOT ENTER
ESTR YIELD
ESTR WRONG WAY
ESTR ADOPT A HIGHWAY

SIGN

SHEET 17 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 332	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 4:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY
2. REMOVE MANHOLE COVER & INSTALL COVER PLATE TEMPORARY
3. INLET TO REMAIN
4. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO MILL OFF CONCRETE RUMBLE STRIPS AT START OF STAGE. SEE TYPICAL MEDIAN CLOSURE AT INTERSECTIONS DETAIL FOR TRAFFIC CONTROL DETAILS.
5. PLACE TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER PIPE.
6. REMOVE INLET COVER & INSTALL INLET GRATE TYPE S. PROVIDE ADJUSTMENT RINGS WITH 2'X2' RECTANGULAR OPENING.

MATCH LINE 123+50

MATCH LINE 129+50

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 18 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 333	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 05

PLOT DATE : 7/15/2025 4:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY
2. REMOVE MANHOLE COVER & INSTALL COVER PLATE TEMPORARY
3. PLACE TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER PIPE
4. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO MILL OFF CONCRETE RUMBLE STRIPS AT START OF STAGE. SEE TYPICAL MEDIAN CLOSURE DETAIL AT INTERSECTIONS FOR TRAFFIC CONTROL DETAILS.
5. ADJUST MANHOLE COVER TO TEMPORARY ASPHALTIC SURFACE ELEVATION.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 129+50

MATCH LINE 135+50

ESTR WRONG WAY

BEGIN LEFT TURN LANE R3-20L 24"X36"

ESTR JCT 11 Timber Dr NEXT SIGNAL

JCT 11 M2-1 21"X15" M1-6 24"X24"

WO1-6 48" X 24" TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

REGENCY WEST DR

REGENCY WEST R/L

ONE WAY R6-2L 24"X30"

R4-7 24"X30"

STH 31

STH 31 R/L

ADJUSTING MANHOLE COVER

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

SEE NOTE 5

TEMPORARY INLET TS1-4

TEMPORARY INLET TS1-5

TEMPORARY STORM CONNECTION

ASPHALTIC CURB

8:1 TAPER

130+00 131+00 132+00 133+00 134+00 135+00

+82 25' LT +82 15' LT +62 25' LT +06 25' LT +56 9' LT +46 15' LT +27 12' LT +24 5' RT +55 8' RT +35 10' RT +32 25' RT +32 15' RT +25 15' RT +02 10' RT +73 10' RT +30 15' RT +30 25' RT +53 25' RT

R90' R60' R65' R10'

25' 10' 11' 22'

ESTR WRONG WAY

ESTR DO NOT ENTER

REGENCY MALL NORTH DWY R/L

REGENCY MALL NORTH DWY

SIGN 1+00

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ONLY

SHEET 19 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 334	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 06

PLOT DATE : 7/15/2025 4:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

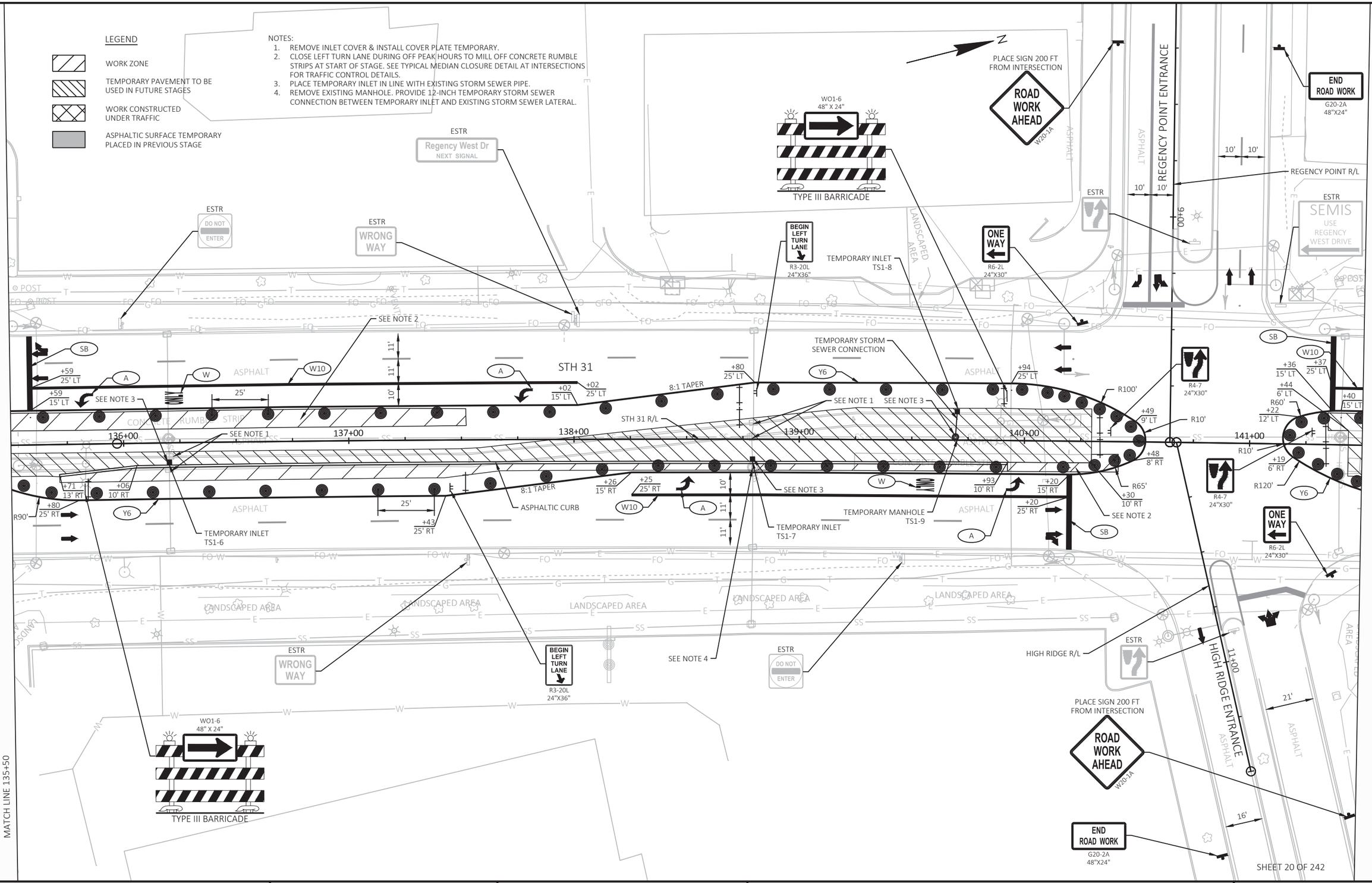
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO MILL OFF CONCRETE RUMBLE STRIPS AT START OF STAGE. SEE TYPICAL MEDIAN CLOSURE DETAIL AT INTERSECTIONS FOR TRAFFIC CONTROL DETAILS.
3. PLACE TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER PIPE.
4. REMOVE EXISTING MANHOLE. PROVIDE 12-INCH TEMPORARY STORM SEWER CONNECTION BETWEEN TEMPORARY INLET AND EXISTING STORM SEWER LATERAL.



SHEET 20 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 335	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 07

PLOT DATE : 7/15/2025 4:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

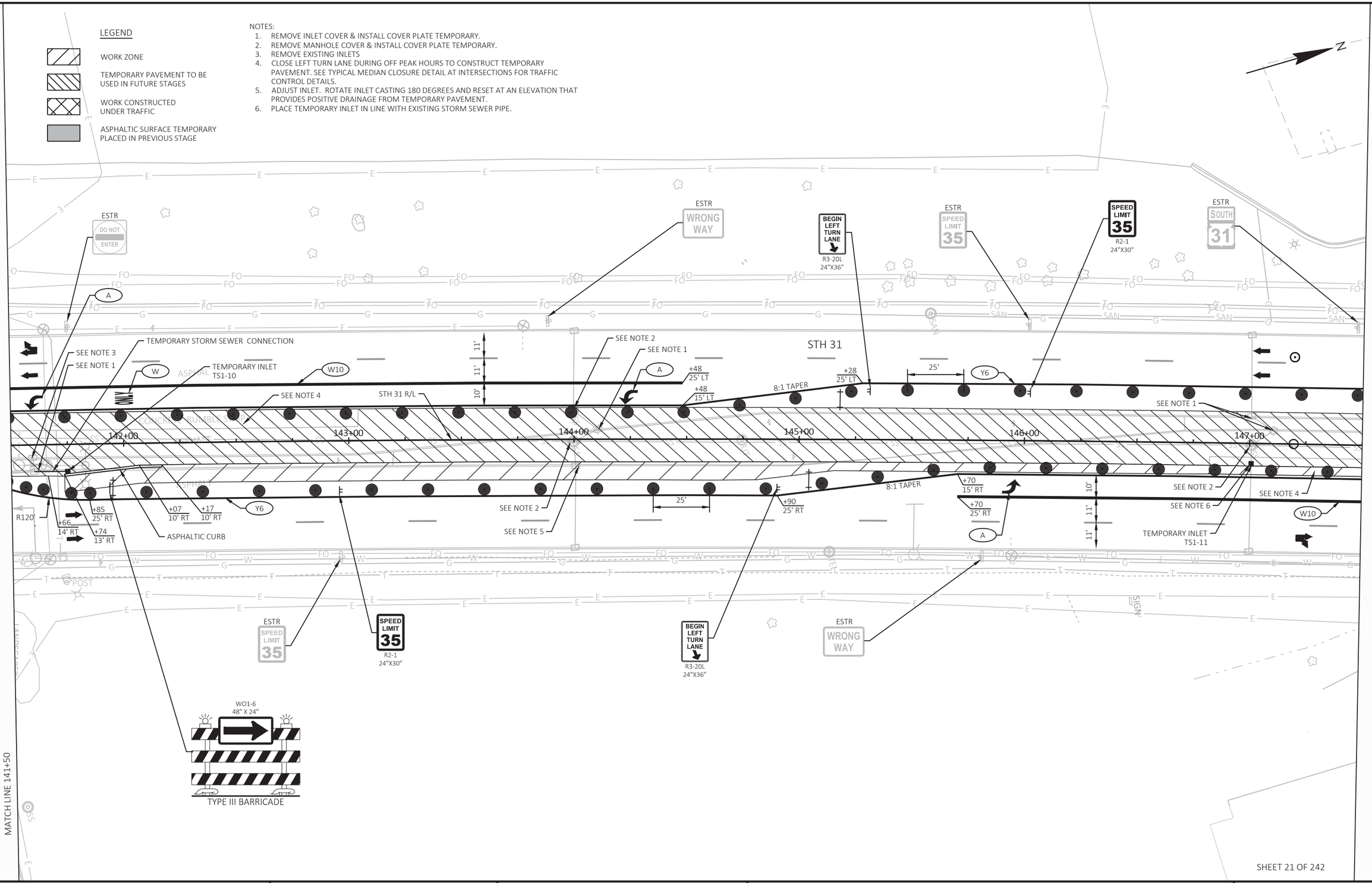
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. REMOVE MANHOLE COVER & INSTALL COVER PLATE TEMPORARY.
3. REMOVE EXISTING INLETS
4. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO CONSTRUCT TEMPORARY PAVEMENT. SEE TYPICAL MEDIAN CLOSURE DETAIL AT INTERSECTIONS FOR TRAFFIC CONTROL DETAILS.
5. ADJUST INLET. ROTATE INLET CASTING 180 DEGREES AND RESET AT AN ELEVATION THAT PROVIDES POSITIVE DRAINAGE FROM TEMPORARY PAVEMENT.
6. PLACE TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER PIPE.



SHEET 21 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 336	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 4:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. ADJUST INLET. ROTATE INLET CASTING 180 DEGREES AND RESET AT AN ELEVATION THAT PROVIDES POSITIVE DRAINAGE FROM TEMPORARY PAVEMENT. BUMP OUT ASPHALTIC CURB TO INLET CASTING CURB BOX.
3. EXISTING INLET TO REMAIN
4. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO MILL OFF CONCRETE RUMBLE STRIPS AT START OF STAGE. SEE TYPICAL MEDIAN CLOSURE DETAIL AT INTERSECTIONS FOR TRAFFIC CONTROL DETAILS.
5. CLOSE INSIDE WB THRU LANE AND EB LEFT TURN LANE ON 21ST STREET DURING OFF PEAK HOURS TO CONSTRUCT TEMPORARY WIDENING.
6. PLACE INLET IN LINE WITH EXISTING STORM SEWER PIPE.
7. REMOVE MANHOLE COVER & INSTALL COVER PLATE TEMPORARY
8. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO CONSTRUCT TEMPORARY PAVEMENT. SEE TYPICAL MEDIAN CLOSURE DETAIL AT INTERSECTIONS FOR TRAFFIC CONTROL DETAILS.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 337	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 4:55 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

JOANNE DR R/L

JOANNE DR

9+00

ESTR DO NOT ENTER

ONE WAY R6-2R 24"X30"

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ESTR STOP

ESTR

W03-3

BEGIN LEFT TURN LANE R3-20L 24"X36"

SPEED LIMIT 35 R2-1 24"X30"

ESTR SPEED LIMIT 35

W10

+64 25' LT

+64 15' LT

+44 25' LT

+50 14' LT

+70 0' LT

+68 6' RT

+68 0' LT

+69 14' LT

+69 6' RT

+65 10' RT

+87 9' RT

+49 1' RT

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

SEE NOTE 5

SEE NOTE 6

SEE NOTE 7

8:1 TAPER

10'

25'

11'

11'

STH 31

Y6

STH 31 R/L

154+00

155+00

156+00

157+00

158+00

159+00

ASPHALTIC CURB

TEMPORARY INLET TS1-14

MARGERY DR R/L

MARGERY DR

10+00

END ROAD WORK G20-2A 48"X24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

TEMPORARY STORM SEWER CONNECTION
INL = 733.00
DISCH = 731.29
SEPV

MATCH LINE 159+50

MATCH LINE 153+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. ADJUST MANHOLE COVER.
3. ADJUST MANHOLE COVER. CONNECT TEMPORARY STORM SEWER TO MANHOLE.
4. REDUCE SPACING OF TRAFFIC CONTROL DRUMPS TO 10 FT FROM 50 FT UPSTREAM OF INTERSECTION TO 50 FT DOWNSTREAM OF INTERSECTION USE 25' SPACING OUTSIDE INTERSECTION AREA.
5. PLACE INLET IN LINE WITH EXISTING STORM SEWER PIPE.
6. ADJUST INLET. ROTATE INLET CASTING 180 DEGREES AND RESET AT AN ELEVATION THAT PROVIDES POSITIVE DRAINAGE FROM TEMPORARY PAVEMENT. PAVE TEMPORARY ASPHALT TO INLET CASTING.
7. REMOVE EXISTING INLET COVER. INSTALL INLET COVER TYPE S AND ADJUSTMENT RINGS THAT PROVIDE 2'X2' OPENING.

SHEET 23 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 338	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2025 4:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

ESTR WRONG WAY

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

GREENLEAF BLVD

GREENLEAF BLVD R/L

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ESTR STOP

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

MATCH LINE 165+50

TEMPORARY STORM SEWER CONNECTION

TEMPORARY INLET TS1-15 Y6

STH 31

STH 31 R/L

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

160+00 161+00 162+00 163+00 164+00 165+00

25' 11' 11' 10' +85 0' LT +85 4' RT +10 0' LT +68 0' LT +84 10' RT +36 7' RT R1500'

ESTR SPEED LIMIT 35

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R3-2 24"X24"

ESTR DO NOT ENTER

ESTR NO OUTLET

TEMPORARY VANE DRAIN

CASTLE CT

11+00

ESTR STOP

ONE WAY R6-1R 36"X12" R3-2 24"X24"

ONE WAY R6-2R 24"X30"

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

ONE WAY R6-2R 24"X30"

TEMPORARY VANE DRAIN

CASTLE CT R/L

END ROAD WORK G20-2A 48"X24"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

NOTES:

1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY. SALVAGE EXISTING INLET COVER TO BE REINSTALLED IN STAGE 5 FOR USE OVER WINTER.
2. ADJUST MANHOLE COVER.
3. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FT FROM 50 FT UPSTREAM OF INTERSECTION TO 50 FT DOWNSTREAM OF INTERSECTION . USE 25 FT SPACING OUTSIDE OF INTERSECTION AREA.
4. REMOVE EXISTING INLET COVER AND INSTALL INLET COVER TYPE S.

SHEET 24 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 339	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 11

PLOT DATE : 7/16/2025 4:48 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

N

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

LINCOLN VILLAGE DR R/L

LINCOLN VILLAGE DR

MATCH LINE 171+50

2

SUNSET BLVD

SUNSET BLVD R/L

ESTR SPEED LIMIT 35

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ESTR STOP

SPEED LIMIT 35 R2-1 24"X30"

ONE WAY R6-2R 24"X30"

ESTR DO NOT ENTER REMOVE

R3-2 24"X24"

ESTR WRONG WAY

ONE WAY R6-2R 24"X30"

245' MERGE TAPER

ESTR R6-1R 36"X12" ONE WAY R3-2 24"X24"

ESTR STOP

SEE NOTE 3

10'

SEE NOTE 1

25'

11'

+92 30' LT

STH 31

Y6

+37 18' LT

ESTR

STH 31 R/L

166+00

167+00

168+00

169+00

170+00

171+00

SEE NOTE 2

100' TAPER

+50 10' RT

SEE NOTE 3

ESTR ONE WAY

ONE WAY R6-2R 24"X30"

11'

11'

10'

SEE NOTE 3

ASPHALT

+50 22' RT

R3-2 24"X24"

SPEED LIMIT 35 R2-1 24"X30"

TEMPORARY VANE DRAIN

LANDSCAPED AREA

ESTR 16th St NEXT SIGNAL

ESTR

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R3-2 24"X24"

ESTR

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

ESTR WRONG WAY

ESTR SPEED LIMIT 35

ESTR DO NOT ENTER

ESTR STOP

ONE WAY R6-1R 36"X12" R3-2 24"X24"

11+00

BYRD AVE

BYRD AVE R/L

MATCH LINE 165+50

PLACE SIGN 200 FT FROM INTERSECTION

END ROAD WORK G20-2A 48"X24"

ROAD WORK AHEAD W20-1A

NOTES:

1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY. SALVAGE INLET COVER TO BE REINSTALLED IN STAGE 5 FOR USE OVER WINTER.
2. REMOVE INLET COVER ADJUST INLET, AND INSTALL TYPE S INLET COVER. PROVIDE ADJUSTMENT RINGS WITH 2'X2' RECTANGULAR OPENING.
3. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FT FROM 50 FT UPSTREAM OF INTERSECTION TO 50 FT DOWNSTREAM OF INTERSECTION. USE 25 FT SPACING OUTSIDE OF INTERSECTION AREA.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 25 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 340	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 12
PLOT DATE : 7/15/2025 4:55 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FT FROM 50 FT UPSTREAM TO 50 FT DOWNSTREAM OF INTERSECTION. USE 25 FT SPACING OUTSIDE OF INTERSECTION AREA.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

2

MATCH LINE 177+50

MATCH LINE 171+50

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ESTR
SPEED LIMIT 35

ESTR
DO NOT ENTER

ESTR
CITY OF RACINE RESIDENTIAL DROP OFF

ESTR
ONE WAY

ESTR
WRONG WAY

W04-2L

R3-2
24"X24"

SEE NOTE 1

TY6

+99
17' LT

+95
11' RT

STH 31 R/L

16TH ST R/L

16TH ST

14'
12'
12'
12'

11'
11'
10'

71+00
11+00

172+00
173+00
174+00
175+00
176+00
177+00

ESTR
BEGIN LEFT TURN LANE

ESTR
NORTH 31

ESTR
ONE WAY

ESTR
DO NOT ENTER

22'
12'
12'

ONLY

LANDSCAPED AREA

CONCRETE RUMBLE STRIP

CONCRETE RUMBLE

ASPHALT

SIGN

GUY POST

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 341	E

SHEET 26 OF 242

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 4:56 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

LEFT LANE CLOSED AHEAD W20-5SA

ESTR NO PARKING ANY TIME

ESTR WRONG WAY

ESTR BEGIN LEFT TURN LANE

ESTR 16th St NEXT SIGNAL

ESTR

ROAD WORK AHEAD W20-1A

ESTR NO PARKING ANY TIME

ESTR STOP

HORIZON BLVD R/L

HORIZON BLVD

9+00

ASPHALT

SIGN

PCMS

STH 31

STRIP

178+00 179+00 180+00 181+00 182+00 183+00

STH 31 R/L

ESTR

ESTR ONE WAY

ESTR Wright Ave NEXT SIGNAL

ESTR SPEED LIMIT 35

LANDSCAPED AREA

CABC

ASPHALT

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS ON BOTH SIDES OF SOUTHBOUND STH 31 FOR 5 CALENDAR DAYS IN ADVANCE OF LANE CLOSURE. REMOVE AFTER LANE CLOSURE IS IN PLACE

MATCH LINE 177+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
ROAD WORK BEGINS	XXXDAY XX/XX

SHEET 27 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 342	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 4:56 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 351+25

2

ESTR WRONG WAY REMOVE

ESTR WEST 11

ESTR STOP

ESTR

ESTR DO NOT ENTER

12'

12'

346+00 347+00 348+00 349+00 350+00 351+00

STH 11 R/L

STH 11

12'

12'

15'

ESTR Hwy 32 Downtown Green Bay Rd NEXT SIGNAL

ESTR STOP

ROAD WORK AHEAD W20-1A

ESTR JCT 31

ESTR NORTH 31 SOUTH 31 SECOND LEFT

ESTR

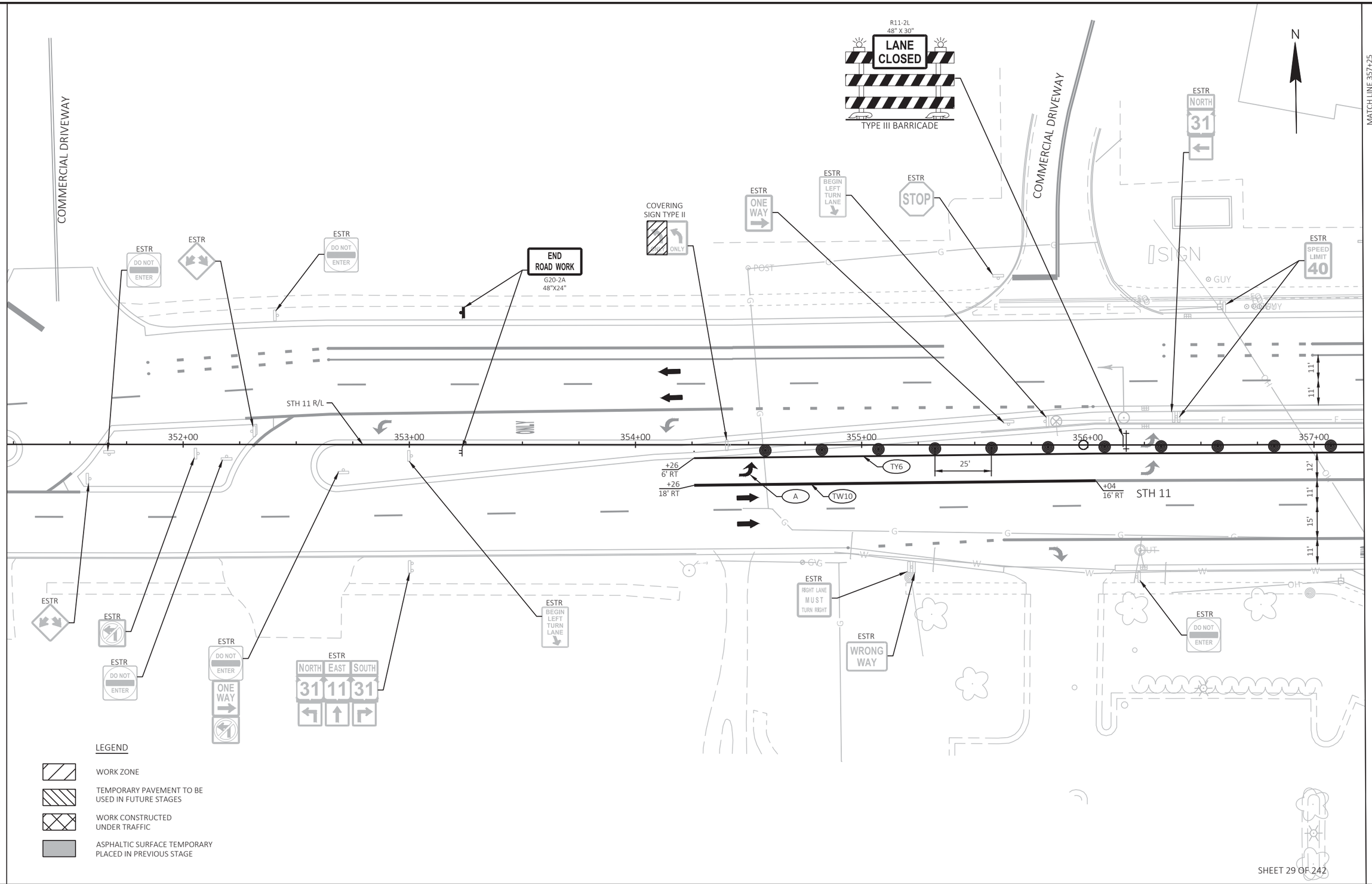
SHEET 28 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 343	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 22

PLOT DATE : 7/15/2025 4:56 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 344	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 23

PLOT DATE : 7/15/2025 4:56 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 366+75

MATCH LINE 360+75

ESTR NORTH 31

ESTR ONLY ONLY

ESTR BEGIN LEFT TURN LANE

ESTR BEGIN RIGHT TURN LANE

ESTR SOUTH NORTH 31 31

ESTR STOP DIVIDED HIGHWAY

ESTR ONE WAY

ESTR

ESTR DO NOT ENTER

COMMERCIAL DRIVEWAY

15'

11'

11'

11'

11'

11'

11'

361+00

362+00

363+00

364+00

365+00

366+00

STH 11 R/L

STH 11

ESTR

ESTR

ESTR CURB LANE BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR DO NOT ENTER

ESTR SPEED LIMIT 40

ELWOOD DR

ESTR STOP DIVIDED HIGHWAY

ESTR ONE WAY

END ROAD WORK

G20-2A

48"X24"

SIGN

SIGN

SIGN

OH

OH

GUY

Ex. BUS

POST TEL

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 30 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 345	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 24

PLOT DATE : 7/15/2025 4:56 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ESTR
ALTERNATE SOUTH INTERSTATE 41 SECOND LEFT
ALTERNATE EAST INTERSTATE 94 SECOND LEFT
ALTERNATE NORTH INTERSTATE 41
ALTERNATE WEST INTERSTATE 94

NORTH 31
M3-1 24"X12"
M1-6 24"X24"
ROAD WORK AHEAD W20-1A

ESTR BEGIN RIGHT TURN LANE
ESTR
ESTR BEGIN LEFT TURN LANE
ESTR JCT 31
ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY
ESTR

STH 11

11'
11'
12'
11'
11'

367+00
368+00
369+00
370+00
371+00
372+00

STH 11 R/L

ESTR
ESTR
ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY
ESTR BEGIN LEFT TURN LANE
ESTR Racine
ESTR SPEED LIMIT 40
ESTR DO NOT ENTER

MATCH LINE 366+75

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 31 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 1	SHEET 346	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 25

PLOT DATE : 7/15/2025 4:56 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ESTR STOP DIVIDED HIGHWAY

ESTR DEAD END

ESTR DO NOT ENTER

ESTR WRONG WAY

ESTR Green Ridge Dr

GREEN RIDGE DR

TRAFFIC CONTROL NOTES - STAGE 2

CONSTRUCTION:

- CONSTRUCT NB LANES OF STH 31. DO NOT CONSTRUCT MEDIAN CURB & GUTTER UNTIL STAGE 5.
- INSTALL STORM SEWER TRUNK LINE AND LATERALS UNDER NB LANES.

TRAFFIC:

- STH 31 - 2 THRU LANES IN EACH DIRECTION
- PROVIDE LEFT TURN LANES AT EACH SIGNALIZED INTERSECTION.
- NO U-TURNS ON STH 31 THROUGHOUT WORK ZONE.
- NON-SIGNALIZED INTERSECTIONS WILL BE RIGHT IN/RIGHT OUT

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR 5 CALENDAR DAYS AFTER THE START OF STAGE 2.

PCMS

PCMS

STH 31

12'

12'

12'

102+00

103+00

104+00

105+00

STH 31 R/L

ESTR

ESTR

ESTR ONE WAY

ESTR SPEED LIMIT 35

25'

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	LANES SHIFT LEFT

350'

350'

350'

245' MERGE TAPER

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5A

W04-2L

MATCH LINE 105+50

2

N

SHEET 32 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 347	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 4:57 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

N

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 111+50

2

ESTR
SPEED LIMIT 35

ESTR
STOP
DIVIDED HIGHWAY

ESTR
ONE WAY

LARCHMONT DR

STH 31

12'
12'
12'

ESTR

ESTR

106+00 107+00 108+00 109+00 110+00 111+00

STH 31 R/L

25'

12'
12'

25'

ESTR
Larchmont Dr

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO12-1D
24"X24"

ESTR
JCT 11

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
ONE WAY

245'
MERGE TAPER

MATCH LINE 105+50

SHEET 33 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 348	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 02

PLOT DATE : 7/15/2025 4:57 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE STA 117+50

2

ESTR
DO NOT ENTER

ESTR
Larchmont Dr

END ROAD WORK
G20-2A
48"X24"

ESTR
SPEED LIMIT 35

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
ADOPT A HIGHWAY
THE HOME DEPOT
STORE # 4026
RACINE WI

STH 31

12'
12'
12'

112+00 113+00 114+00 115+00 116+00 117+00

STH 31 R/L

+68
26' RT

+56
16' RT

+56
27' RT

TY6

TA

TW10

+74
16' RT

+74
27' RT

+75
38' RT

+75
49' RT

R1489'

11'
11'
11'

TW6

TWS

12'
12'

25'

ESTR

BEGIN LEFT TURN LANE
R3-20L
24"X36"

W01-4BL

ESTR
WEST NORTH EAST
11 31 11
Durand Ave
NEXT SIGNAL

ESTR
EAST
11

G
G
ØGV
G
OH

MATCH LINE 111+50

SHEET 34 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 349	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 03

PLOT DATE : 7/15/2025 4:57 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 123+50

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

STH 11

STH 31

EXISTING SIDEWALK TO REMAIN OPEN FOR DURATION OF STAGE 2

REMOVE EXISTING INLET

COVERING SIGN TYPE II

WO12-1D 24"X24"

WO1-6 48" X 24"

TYPE III BARRICADE

M3-1 24"X12"
M1-6 24"X24"
NORTH 31
Timber Dr
NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

M3-2 24"X12"
M1-6 24"X24"
M6-1 21"X21"

W6-4 12"X18"

MATCH LINE 360+75

MATCH LINE STA 117+50

SHEET 35 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B	SHEET 350	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 4:57 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. ADJUST EXISTING INLET TO FINAL GRADE.
3. CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN AFTER ADJACENT PROPOSED PAVEMENT IS CONSTRUCTED.
4. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT AT INTERSECTION WHEN CLOSED.
5. CLOSE EASTBOUND THROUGH LANE USING SIDEROAD THROUGH LANE CLOSURE DETAIL WHEN REGENCY MALL SOUTH DRIVEWAY IS CLOSED

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

ESTR
EAST | SOUTH | WEST
11 | 31 | 11
Durand Ave
NEXT SIGNAL

END ROAD WORK
G20-2A
48"X24"

TIMBER DR
ONLY ONLY ONLY
11.5' 11.5' 11.5' 11' 10.5'
TIMBER DR R/L

SEE NOTE 5

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

EXISTING SIDEWALK TO REMAIN OPEN FOR DURATION OF STAGE 2

LANDSCAPED AREA

STH 31
ASPHALT
CONCRETE RUMBLE STRIP

6:1 TAPER
STH 31 R/L

SEE NOTE 1
SEE NOTE 2
SEE NOTE 3
SEE NOTE 4

SPEED LIMIT 35
R2-1
24"X30"

Regency West Dr
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

R4-7
24"X30"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

REGENCY MALL SOUTH DWY
ONLY ONLY
REGENCY SOUTH R/L

END ROAD WORK
G20-2A
48"X24"

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 2B
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

MATCH LINE 123+50
MATCH LINE 129+50

SHEET 36 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 351	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 05
PLOT DATE : 7/15/2025 4:57 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. ADJUST EXISTING INLET TO FINAL GRADE
3. CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN AFTER ADJACENT PROPOSED PAVEMENT IS CONSTRUCTED
4. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT AT INTERSECTION WHEN CLOSED.

MATCH LINE 129+50

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A	STAGE 2B
REGENCY MALL SOUTH DWY - OPEN	REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - CLOSED	REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - CLOSED	HIGH RIDGE ENTRANCE - OPEN
21ST STREET - OPEN	21ST STREET - CLOSED

STH 31
8:1 TAPER
25'
11' 11' 10' 11' 11'
STH 31 R/L
130+00 131+00 132+00 133+00 134+00 135+00
+82 13' LT
+62 23' LT
+62 13' LT
+34 25' LT
+06 25' LT
+34 23' LT
+34 13' LT
+34 2' LT
+02 9' RT
+09 10' RT
+94 26' RT
+06 26' RT
+18 26' RT
+26 32' RT
+06 57' RT
+17 73' RT
+97 82' RT
+59 61' RT
+94 57' RT
+86 83' RT
Y6
A
W10
WL
W
W6
TW6
TY6
TW10
TSB
SB
R57
R50'
SEE NOTE 1
SEE NOTE 2
SEE NOTE 3
SEE NOTE 4
MOUNT ON QUICK RELEASE FIXED BASE
W6-4 12"X18"
ESTR JCT 11 Timber Dr NEXT SIGNAL
PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD W20-1A
END ROAD WORK G20-2A 48"X24"
REGENCY WEST DR R/L
REGENCY WEST DR
900+6
REGENCY MALL NORTH DWY R/L
REGENCY MALL NORTH DWY
R4-7 24"X30"
ONLY
ASPHALT
CONCRETE
LANDSCAPED AREA
MATCH LINE 135+50

SHEET 37 OF 242

2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 352	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 06
PLOT DATE : 7/15/2025 4:58 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. REMOVE EXISTING MANHOLE.
3. CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN AFTER ADJACENT PROPOSED PAVEMENT IS CONSTRUCTED.
4. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT AT INTERSECTION WHEN CLOSED.

N

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A
REGENCY POINT R/L

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 141+50

REGENCY POINT ENTRANCE

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

ESTR
Regency West Dr
NEXT SIGNAL

ESTR
SEMIS
USE REGENCY WEST DRIVE

STH 31

ASPHALT

CONCRETE RUMBLE STRIP

8:1 TAPER

MANHOLE REMOVED IN PREVIOUS STAGE

STH 31 R/L

LANDSCAPED AREA

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R4-7
24"X30"

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

HIGH RIDGE ENTRANCE
HIGH RIDGE R/L

MATCH LINE 135+50

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 2B
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

SHEET 38 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 353	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 07
PLOT DATE : 7/15/2025 4:58 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.

N

MATCH LINE 147+50

2

ESTR SPEED LIMIT 35

ESTR SOUTH 31

STH 31

ASPHALT

11'
11'
10'

25'

8:1 TAPER

+48
13' LT

+28
23' LT

+28
13' LT

A

Y6

W10

WL

W6

10'
11'
11'

142+00
143+00
144+00
145+00
146+00
147+00

+57
14' RT

+95
10' RT

+07
9' RT

25'

STH 31 R/L

SEE NOTE 1

SEE NOTE 1

R11-2L
48" X 30"
LANE CLOSED

SPEED LIMIT 35
R2-1
24"X30"

TYPE III BARRICADE

MATCH LINE 141+50

SHEET 39 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 354	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 4:58 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE EXISTING INLET.
2. REMOVE EXISTING MANHOLE.
3. CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN AFTER ADJACENT PROPOSED PAVEMENT IS CONSTRUCTED.
4. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT AT INTERSECTION WHEN CLOSED.
5. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FEET FROM 50 FEET UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FEET DOWNSTREAM OF INTERSECTION/ COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
6. MAINTAIN PEDESTRIAN ACCESS ALONG SHARED USE PATH AT ALL TIMES. SEE STAGE 2 TEMPORARY PEDESTRIAN ACCOMMODATION PLANS FOR ADDITIONAL DETAILS.
7. CLOSE EASTBOUND THROUGH LANE USING SIDEROAD THROUGH LANE CLOSURE DETAIL WHEN 21ST STREET IS CLOSED.

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 2B
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 355 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 4:58 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2B1 IS INTENDED TO BE USED AT THE START OF STAGE 2 BEFORE 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. COVER EXISTING DETECTABLE WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION".

MATCH LINE 153+50

MATCH LINE 147+50

21ST ST

STH 31

21ST ST R/L

STH 31 R/L

148+00

149+00

150+00

151+00

152+00

153+00

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

SEE NOTE 3

TEMPORARY PEDESTRIAN SURFACE MATTING

TEMPORARY PEDESTRIAN BARRICADE

M4-60L 30"X24"

M4-60R 30"X24"

PLACE SAFETY FENCE ALONG INSIDE EDGE OF PATH

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A	STAGE 2B
REGENCY MALL SOUTH DWY - OPEN	REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - CLOSED	REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - CLOSED	HIGH RIDGE ENTRANCE - OPEN
21ST STREET - OPEN	21ST STREET - CLOSED

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B1	SHEET 356	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A1-PED.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 4:59 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2A2 IS INTENDED TO BE USED WHEN 16TH STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSED TO VEHICLE TRAFFIC.
4. COVER EXISTING DETECTABLE WARNING FIELDS. SEE CONSTRUCTION DETAIL "COVERING DETECTABLE FIELDS DURING CONSTRUCTION".

MATCH LINE 153+50

21ST ST

STH 31

9+00

148+00

149+00

150+00

151+00

152+00

153+00

21ST ST R/L

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

SEE NOTE 4

TEMPORARY PEDESTRIAN BARRICADE

SAFETY FENCE INSTALLED IN STAGE 2B1

M4-60L 30"X24"

M4-60R 30"X24"

TEMPORARY PEDESTRIAN SURFACE MATTING INSTALLED IN STAGE 2B1

21ST ST R/L

MATCH LINE 147+50

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A	STAGE 2B
REGENCY MALL SOUTH DWY - OPEN	REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - CLOSED	REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - CLOSED	HIGH RIDGE ENTRANCE - OPEN
21ST STREET - OPEN	21ST STREET - CLOSED

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B2	SHEET 357	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A2-PED.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 5:00 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

MATCH LINE 153+50

MATCH LINE 147+50

21ST ST

21ST ST R/L

9+00

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

148+00

149+00

150+00

151+00

152+00

153+00

STH 31

10'

8'

TEMPORARY PEDESTRIAN BARRICADE

SAFETY FENCE INSTALLED IN STAGE 2B1

TEMPORARY PEDESTRIAN SURFACE MATTING

TEMPORARY PEDESTRIAN CURB RAMP

M4-60L
30"X24"

M4-60R
30"X24"

21ST ST R/L

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2B3 IS INTENDED TO BE USED WHEN 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 43 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B3	SHEET 358	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A3-PED.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:01 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 153+50

21ST ST R/L

9+00

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD (INSTALLED IN PREVIOUS STAGE)

M4-60L 30"X24"

148+00

149+00

150+00

151+00

152+00

153+00

STH 31

10'

TEMPORARY PEDESTRIAN BARRICADE

PEDESTRIANS TO WALK BETWEEN BARRIERS IN CLOSED TRAVEL LANES WHILE PATH IS CONSTRUCTED

M4-60R 30"X24"

21ST ST

21ST ST R/L

MATCH LINE 147+50

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2B4 IS INTENDED TO BE USED WHEN 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 44 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B4	SHEET 359	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A4-PED.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 5:02 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

JOANNE DR R/L

ESTR STOP

R6-1R 36"X12" ONE WAY
R3-2 24"X24"

ESTR

ONE WAY R6-2R 24"X30"

JOANNE DR

9+00

ESTR SPEED LIMIT 35

R6-1R 36"X12" ONE WAY
R3-2 24"X24"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

ESTR STOP

END ROAD WORK G20-2A 48"X24"

MARGERY DR R/L

MARGERY DR

9+00

MATCH LINE 159+50

2

STH 31

25'

+72 23' LT

+70 1' LT

+65 13' LT

+65 9' RT

Y6

W6

WL

11'

154+00

155+00

156+00

157+00

158+00

159+00

SEE NOTE 3

STH 31 R/L

SEE NOTE 1

SEE NOTE 1

SEE NOTE 2

MAINTAIN ACCESS TO WE ENERGIES PARCEL AT ALL TIMES

R3-2 24"X24"

BEGIN LEFT TURN LANE R3-20L 24"X36"

WO1-6 48" X 24"

TYPE III BARRICADE

SPEED LIMIT 35 R2-1 24"X30"

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

SEE NOTE 1

MATCH LINE 153+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REMOVE EXISTING INLET.
2. MAINTAIN PEDESTRIAN ACCESS ALONG SHARED USE PATH AT ALL TIMES. SEE STAGE 2 TEMPORARY PEDESTRIAN ACCOMMODATION PLANS FOR ADDITIONAL DETAILS.
3. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FEET FROM 50 FEET UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FEET DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.

SHEET 45 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 360	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 10
PLOT DATE : 7/15/2025 5:02 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

JOANNE DR R/L

JOANNE DR

9+00

MARGERY DR R/L

MARGERY DR

9+00

STH 31

STH 31 R/L

154+00

155+00

156+00

157+00

158+00

159+00

M4-60L
30"X24"

M4-60R
30"X24"

TEMPORARY
PEDESTRIAN
BARRICADE

MATCH LINE 153+50

MATCH LINE 159+50

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2B1 IS INTENDED TO BE USED AT THE START OF STAGE 2 BEFORE 21ST STREET IS CLOSED FOR CONSTRUCTION,

SHEET 46 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B1	SHEET 361	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A1-PED.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2025 5:03 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

JOANNE DR R/L

JOANNE DR

9+00

MARGERY DR R/L

MARGERY DR

9+00

MATCH LINE 159+50

MATCH LINE 153+50

STH 31

154+00

155+00

156+00

157+00

158+00

159+00

M4-60L
30"X24"

M4-60R
30"X24"

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2B3 IS INTENDED TO BE USED AT WHEN 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.

SHEET 47 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B2	SHEET 362	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A2-PED.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2025 5:04 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

JOANNE DR R/L

JOANNE DR

9+00

MARGERY DR R/L

MARGERY DR

9+00

MATCH LINE 159+50

STH 31

ASPHALT

154+00

155+00

156+00

157+00

158+00

159+00

M4-60L
30"X24"

M4-60R
30"X24"

TEMPORARY
PEDESTRIAN
BARRICADE

MATCH LINE 153+50

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE
USED IN FUTURE STAGES

WORK CONSTRUCTED
UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY
PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2B3 IS INTENDED TO BE USED WHEN 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B3	SHEET 363	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A3-PED.DWG
LAYOUT NAME - 10
PLOT DATE : 7/15/2025 5:05 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

JOANNE DR R/L

JOANNE DR

9+00

MARGERY DR R/L

MARGERY DR

9+00

STH 31

ASPHALT

154+00

155+00

156+00

157+00

158+00

159+00

MATCH LINE 159+50

MATCH LINE 153+50

M4-60R
30"X24"

M4-60L
30"X24"

TEMPORARY PEDESTRIAN CURB RAMP

TEMPORARY PEDESTRIAN BARRICADE

CONSTRUCT PORTION OF PROPOSED ASPHALT TRAIL NEEDED FOR TEMPORARY PEDESTRIAN ACCESS AT THE END OF STAGE 4B4 IN ONE WORKING DAY USING PEDESTRIAN FLAGGING. ESCORT PEDESTRIANS THROUGH THE WORK AREA WHEN WORK IS OCCURING. PROVIDE TEMPORARY PEDESTRIAN SURFACE MATTING THAT CAN BE INSTALLED WHEN BICYCLES OR PEDESTRIANS ARE CROSSING THE WORK AREA. CONSTRUCT CURB AND GUTTER WHERE TEMPORARY PEDESTRIAN ACCESS ROUTE ENTERS ROADWAY AFTER PEDESTRIANS ARE DIVERTED TO USE PROPOSED PATH.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 2A-2B-2C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 2B4 IS INTENDED TO BE USED WHEN 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.

SHEET 49 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2B4	SHEET 364	E

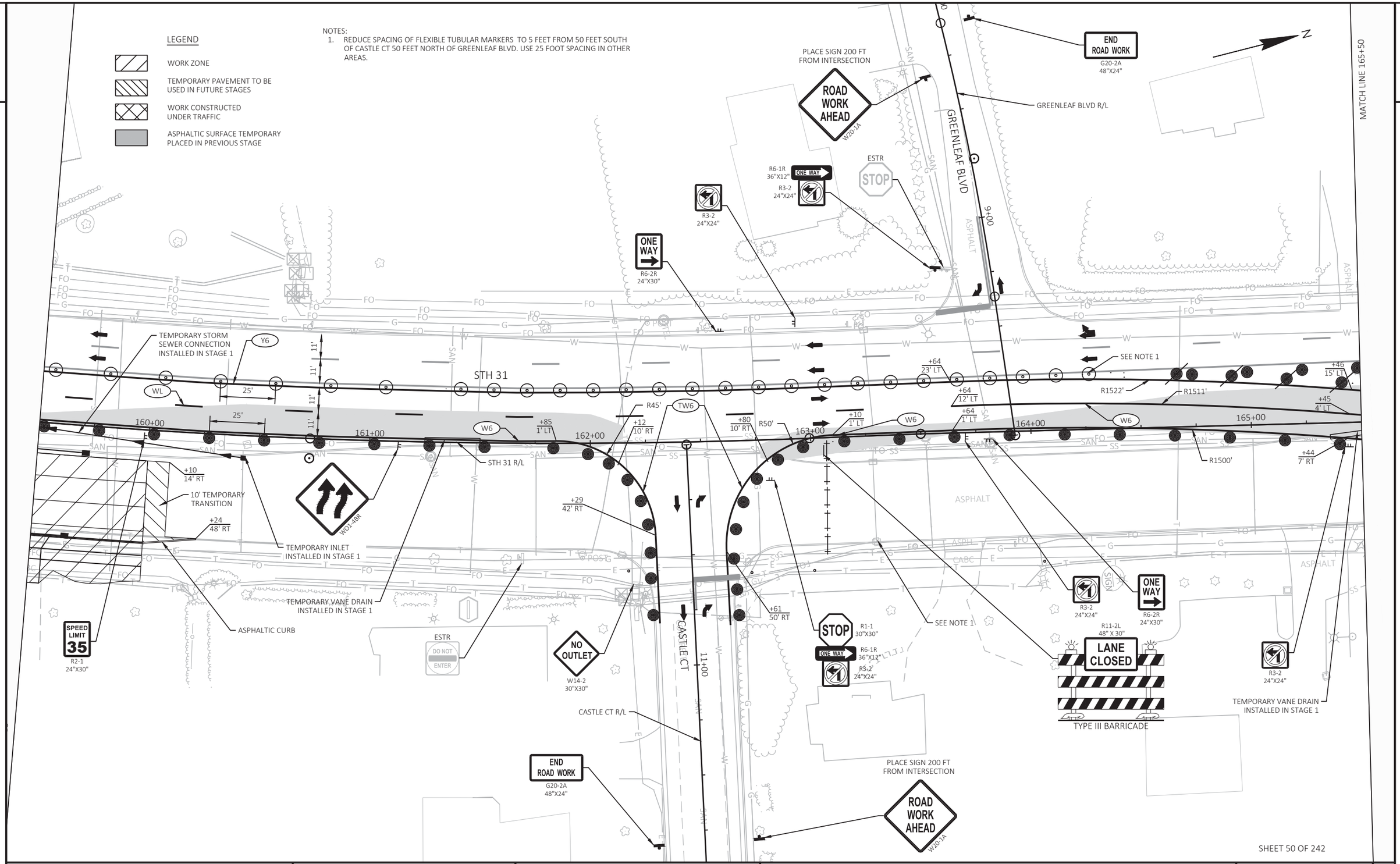
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002A-S2A4-PED.DWG
LAYOUT NAME - 10
PLOT DATE : 7/15/2025 5:06 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FEET FROM 50 FEET SOUTH OF CASTLE CT 50 FEET NORTH OF GREENLEAF BLVD. USE 25 FOOT SPACING IN OTHER AREAS.



SHEET 50 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 365	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 11

PLOT DATE : 7/15/2025 5:07 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. SEE CONSTRUCTION DETAIL TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC FOR ADDITIONAL DETAILS.
2. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FEET FROM 50 FEET UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FEET DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD W20-1A
END ROAD WORK G20-2A 48"X24"
ESTR STOP
SUNSET BLVD
SUNSET BLVD R/L
ESTR SPEED LIMIT 35
ONE WAY R6-2R 24"X30"
R6-1R 36"X12" ONE WAY
R3-2 24"X24"
R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE
R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE
R3-2 24"X24"
ESTR
LINCOLN VILLAGE DR
LINCOLN VILLAGE DR R/L
MATCH LINE 171+50
245' MERGE TAPER
STH 31
Y6
SEE NOTE 2
10'
11'
25'
166+00
167+00
168+00
169+00
170+00
171+00
9+00
11+00
BYRD AVE
BYRD AVE R/L
+65 20' RT
+66 9' RT R1500'
+63 31' RT
R1511'
R1522'
+43 19' RT
+43 30' RT
+43 41' RT
+24 21' RT
R3-2 24"X24"
R3-1 24"X24"
W6
R2-1 24"X30"
SIDEWALK CLOSED R9-9 24"X12"
18' TEMPORARY PEDESTRIAN BARRICADE
SIDEWALK CLOSED AHEAD R9-9A 30"X18"
SEE NOTE 1
** PLACE SIGNS AT BECKER DRIVE
ESTR 16th St NEXT SIGNAL
MATCH LINE 165+50

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 51 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 366 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 12
PLOT DATE : 7/15/2025 5:07 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET UPSTREAM TO 50 FEET DOWNSTREAM OF INTERSECTION. USE 25 FOOT SPACING OUTSIDE OF INTERSECTION AREA.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

2

2

MATCH LINE 177+50

MATCH LINE 171+50

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

16TH ST

16TH ST R/L

ESTR
CITY OF RACINE
RESIDENTIAL DROP OFF

ESTR
ONE WAY

ESTR
SPEED LIMIT 35

ESTR
DO NOT ENTER

ESTR
WRONG WAY

ESTR
NO PARKING ANY TIME

W04-2L

STH 31

STH 31 R/L

172+00

173+00

174+00

175+00

176+00

177+00

71+00

11+00

Y6

+01
10' RT

ASPHALT

CONCRETE RUMBLE STRIP

LANDSCAPED AREA

END ROAD WORK
G20-2A
48"X24"

ESTR
NORTH 31

SHEET 52 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 367	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:07 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEFT LANE CLOSED AHEAD W20-5SA

ESTR BEGIN LEFT TURN LANE

ESTR 16th St NEXT SIGNAL

ESTR

ROAD WORK AHEAD W20-1A

HORIZON BLVD R/L

HORIZON BLVD

9+00

ESTR NO PARKING ANY TIME

ESTR WRONG WAY

ESTR STOP

ESTR NO PARKING ANY TIME

ASPHALT

SIGN

PCMS

STH 31

STRIP

178+00

179+00

180+00

181+00

182+00

183+00

STH 31 R/L

ASPHALT

SIGN

LANDSCAPED AREA

CABC

ASPHALT

CABC

LANDSCAPED AREA

ESTR NO PARKING ANY TIME

ESTR

ESTR SPEED LIMIT 35

ESTR Wright Ave NEXT SIGNAL

ESTR ONE WAY

ESTR

INSTALL TRAFFIC CONTROL SIGNS PCMS WITH 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 2.

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 177+50

SHEET 53 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 368	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:07 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 351+25

2

ESTR WRONG WAY REMOVE

ESTR WEST 11

ESTR STOP

ESTR

ESTR DO NOT ENTER

12'

12'

346+00 347+00 348+00 349+00 350+00 351+00

STH 11 R/L

STH 11

12'

12'

15'

ESTR Hwy 32 Downtown Green Bay Rd NEXT SIGNAL

ESTR STOP

ROAD WORK AHEAD

ESTR JCT 31

ESTR

ESTR NORTH SOUTH 31 31 SECOND LEFT

SHEET 54 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 369	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 22

PLOT DATE : 7/15/2025 5:07 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

COMMERCIAL DRIVEWAY

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

ESTR STOP

ESTR BEGIN LEFT TURN LANE

ESTR ONE WAY

SIGN COVERED IN PREVIOUS STAGE

ONLY

ESTR DO NOT ENTER

ESTR

END ROAD WORK G20-2A 48"X24"

ESTR DO NOT ENTER

ESTR NORTH 31

ESTR SPEED LIMIT 40

MATCH LINE 357+25

N

STH 11 R/L

11'

11'

352+00

353+00

354+00

355+00

356+00

357+00

25'

STH 11

12'

11'

15'

11'

ESTR

ESTR

ESTR DO NOT ENTER

ESTR DO NOT ENTER

ESTR DO NOT ENTER

ESTR ONE WAY

ESTR NORTH EAST SOUTH 31 11 31

ESTR BEGIN LEFT TURN LANE

ESTR RIGHT LANE MUST TURN RIGHT

ESTR WRONG WAY

ESTR DO NOT ENTER

MATCH LINE 351+25

SHEET 55 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 370	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 23

PLOT DATE : 7/15/2025 5:07 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 366+75

MATCH LINE 360+75

ESTR
NORTH
31

ESTR
ONLY ONLY

ESTR
BEGIN LEFT TURN LANE

COVERING SIGNS TYPE II

WO1-6
48" X 24"
TYPE III BARRICADE

ESTR
SOUTH NORTH
31 31

ESTR
STOP
DIVIDED HIGHWAY

ESTR
ONE WAY

ESTR

COMMERCIAL DRIVEWAY

ESTR
DO NOT ENTER

S POST TEL

15'
11'
11'
11'
11'

25'

+91
40' LT

TW6

+03
34' LT

361+00
362+00
363+00
364+00
365+00
366+00

STH 11 R/L

11'
11'

STH 11

E

OH

SIGN

EX BUS

GUY

ESTR
SPEED LIMIT
40

ESTR
CURB LANE
BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR
DO NOT ENTER

ELWOOD DR

ESTR
STOP
DIVIDED HIGHWAY

ESTR
ONE WAY

END ROAD WORK
G20-2A
48"X24"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 56 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 371	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 24

PLOT DATE : 7/15/2025 5:08 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ESTR

ALTERNATE SOUTH INTERSTATE 41 SECOND LEFT
ALTERNATE EAST INTERSTATE 94 SECOND LEFT
ALTERNATE NORTH INTERSTATE 41
ALTERNATE WEST INTERSTATE 94

ESTR BEGIN RIGHT TURN LANE

ESTR

ESTR BEGIN LEFT TURN LANE

ESTR JCT 31

ROAD WORK AHEAD W20-1A

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR

STH 11

367+00 368+00 369+00 370+00 371+00 372+00

11' 11' 12' 11' 11'

STH 11 R/L

ESTR

ESTR

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR BEGIN LEFT TURN LANE

ESTR Racine

ESTR SPEED LIMIT 40

ESTR DO NOT ENTER

MATCH LINE 366+75

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 57 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2A-2B-2C	SHEET 372	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026002-S2A-2B.DWG
LAYOUT NAME - 25
PLOT DATE : 7/15/2025 5:08 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

MATCH LINE 117+50

MATCH LINE 360+75

N

STH 11

STH 31

STH 31 R/L

ESTR SOUTH 31 Kenosha 7

ESTR WEST 11

ESTR EAST 11

ESTR NORTH 31

ESTR ONE WAY

ESTR DIVIDED HIGHWAY

ESTR DO NOT ENTER

ESTR YIELD

M4-9BR 30"X24"

M4-9BL 30"X24"

R9-9 24"X12"

SIDEWALK CLOSED

M4-4 24"X12"

R3-1 24"X24"

TRUCK

W6-4 12"X18"

M3-2 24"X12"

M1-6 24"X24"

M6-1 21"X21"

M3-1 24"X12"

WO12-1D 24"X24"

WO1-6 48" X 24"

TYPE III BARRICADE

6' TEMPORARY PEDESTRIAN BARRICADE

EXISTING SIDEWALK TO REMAIN OPEN FOR DURATION OF STAGE 2

SIGN COVERED IN PREVIOUS STAGE

WB TRUCKS NO RIGHT TURN FOR 7 CALENDAR DAYS CONSTRUCT REMAINING SLABS USING HES CONCRETE PAVEMENT

Timber Dr NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

ONLY

ASPHALT

CONCRETE WALK

118+00 119+00 120+00 121+00 122+00 123+00

358+00 359+00 360+00

+64 18' RT

+73 60' RT

+82 8' RT

+93 15' RT

R1500'

TW6

11' 10' 25'

SHEET 58 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 2C	SHEET 373	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026003-S2C.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 5:09 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ESTR STOP DIVIDED HIGHWAY

ESTR DEAD END

ESTR DO NOT ENTER

ESTR Green Ridge Dr

ESTR WRONG WAY

GREEN RIDGE DR

TRAFFIC CONTROL NOTES - STAGE 3

CONSTRUCTION:

- CONSTRUCT NB AND SB LEFT TURN LANES ON STH 31.
- CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN ADJACENT TO NB LANES.

TRAFFIC:

- STH 31 - 2 THRU LANES IN EACH DIRECTION
- PROVIDE LEFT TURN LANES AT EACH SIGNALIZED INTERSECTION. EXISTING LEFT TURN LANES TO BE CLOSED DURING OFF PEAK HOURS TO COMPLETE CONSTRUCTION OF TEMPORARY WIDENING.
- NON-SIGNALIZED INTERSECTIONS WILL BE RIGHT IN/RIGHT OUT

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR 5 CALENDAR DAYS AFTER THE START OF STAGE 3.

PCMS

PCMS

STH 31

12'

12'

12'

102+00

103+00

104+00

105+00

ESTR

STH 31 R/L

ESTR

25'

ESTR ONE WAY

ESTR SPEED LIMIT 35

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

350'

350'

350'

245' MERGE TAPER

ROAD WORK AHEAD W20-3A

LEFT LANE CLOSED AHEAD W20-5SA

W04-2L

MATCH LINE 105+50

2

SHEET 59 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 374	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026004-S3A.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 5:09 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

N

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 111+50

2

ESTR
SPEED LIMIT 35

ESTR
STOP
DIVIDED HIGHWAY

ESTR
ONE WAY

LARCHMONT DR

STH 31

12'
12'
12'

ESTR

ESTR

106+00 107+00 108+00 109+00 110+00 111+00

STH 31 R/L

25'

12'
12'

25'

ESTR
Larchmont Dr

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
JCT 11

WO12-1D
24"X24"

WO1-6
48" X 24"

TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

ESTR
ONE WAY

245'
MERGE
TAPER

MATCH LINE 105+50

SHEET 60 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 375	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026004-S3A.DWG
LAYOUT NAME - 02

PLOT DATE : 7/15/2025 5:09 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE STA 117+50

2

ESTR
DO NOT ENTER

ESTR
Larchmont Dr

END ROAD WORK
G20-2A
48"X24"

ESTR
SPEED LIMIT 35

ESTR
ADOPT A HIGHWAY
THE HOME DEPOT
STORE # 4026
RACINE WI

STH 31

12'
12'
12'

112+00 113+00 114+00 115+00 116+00 117+00

STH 31 R/L

12'
12'
25'

ESTR

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
WEST NORTH EAST
11 31 11
Durand Ave
NEXT SIGNAL

+74
27' RT
TW10
11'
11'
11'

+06
38' RT
TWL

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
EAST
11

G
ØGV
OH

MATCH LINE 111+50

SHEET 61 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 376	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026004-S3A.DWG
LAYOUT NAME - 03

PLOT DATE : 7/15/2025 5:10 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

STH 11

STH 31

ESTR SOUTH 31 — Kenosha 7

ESTR WEST 11

ESTR EAST 11

ESTR NORTH 31

ESTR ONE WAY

ESTR DIVIDED HIGHWAY

ESTR DO NOT ENTER

ESTR YIELD

DETOUR M4-9BR 30"X24"

DETOUR M4-9BL 30"X24"

SIDEWALK CLOSED DETOUR R9-9 24"X12" M4-9BL 30"X24"

R4-7 24"X30"

WO12-1D 24"X24"

WO1-6 48" X 24" TYPE III BARRICADE

WRONG WAY R5-1A 36"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

EXISTING SIDEWALK TO REMAIN OPEN FOR DURATION OF STAGE 3

EAST 11 M3-2 24"X12" M1-6 24"X24" M6-1 21"X21"

NORTH 31 M3-1 24"X12" M1-6 24"X24"

Timber Dr NEXT SIGNAL — REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

TEMPORARY TRAFFIC SIGNAL SHALL USE SPLIT PHASE TIMING FOR EB AND WB LEFT TURN PHASES

REMOVE EXISTING INLET

TY6 +90 112' LT

+68 4' RT

+59 1' LT

+64 27' RT

+67 38' RT

+66 28' RT

+73 25' RT

+90 39' RT

+92 4' RT

+85 14' RT

+85 24' RT

358+00

359+00

360+00

118+00 119+00 120+00 121+00 122+00 123+00

TWL TW10 TY6

ASPHALT CONCRETE SIDEWALK

STH 31 R/L STH 11 R/L

MATCH LINE 360+75

MATCH LINE STA 117+50

MATCH LINE 123+50

SHEET 62 OF 242

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

ESTR
EAST 11 | SOUTH 31 | WEST 11
Durand Ave
NEXT SIGNAL

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

TIMBER DR
ONLY
11.5' 11.5' 11.5' 11' 10.5'

END ROAD WORK
G20-2A
48"X24"

TIMBER DR R/L

NOTES:
1. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS TO CONSTRUCT INTERSECTION USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.
2. REMOVE EXISTING INLET.
3. REMOVE EXISTING MANHOLE.
4. INSTALL PROPOSED INLET. DO NOT INSTALL INLET COVER. INSTALL COVER PLATE TEMPORARY UNTIL LATER STAGE.
5. INSTALL PROPOSED INLET. DO NOT INSTALL INLET COVER. INSTALL COVER PLATE TEMPORARY UNTIL LATER STAGE. CONNECT TEMPORARY STORM SEWER TO PROPOSED INLET.
6. INSTALL TYPE S COVER ON PROPOSED INLET. ADJUSTMENT RINGS TO PROVIDE A 2'X2' OPENING.
7. INSTALL TEMPORARY INLET ALONG PROPOSED STORM SEWER PIPE.
8. INSTALL PROPOSED MANHOLE WITH COVER SET TO TEMPORARY PAVEMENT GRADE.

MATCH LINE 129+50

TEMPORARY INLET TS3-1
EXISTING SIDEWALK TO REMAIN OPEN FOR DURATION OF STAGE 3
WRONG WAY R5-1A 36"X24"
BEGIN LEFT TURN LANE R3-20L 24"X36"
ONE WAY R6-2L 24"X30"
LANDSCAPED AREA
9+00
DO NOT ENTER R5-1 30"X30"
TEMPORARY STORM SEWER CONNECTION
SEE NOTE 5
ASPHALTIC CURB
SEE NOTE 3
25'
TEMPORARY GRADING LIMITS
SEE NOTE 2
SEE NOTE 6
SEE NOTE 4
+68 14' LT
+79 26' LT
R70'
+92 14' LT
+97 23' LT
R20'
+92 10' LT
R4-7 24"X30"
+82 13' LT
+99 15' LT
R65'
+17 15' LT
R56'
R4-7 24"X30"
R17'
+24 7' LT
SEE NOTE 4
ASPHALT
STH 31
ASPHALTIC CURB
SEE NOTE 3
TEMPORARY INLET TS3-2
SEE NOTE 7
10'
+30 7' LT
+99 7' LT
CONCRETE RUMBLE STRIP
12+00 125+00 126+00 127+00 128+00 129+00
+74 28' RT
6:1 TAPER
+34 18' RT
SEE NOTE 4
+33 28' RT
TY6
TW10
TA
TWL
10' 11' 11'
+97 15' RT
SEE NOTE 4
+79 18' RT
R65'
+79 28' RT
TSB
+79 39' RT
P
+78 18' RT
R70'
+14 28' RT
+09 39' RT
SEE NOTE 8
SEE NOTE 4
25'
ASPHALT
SEE NOTE 2
TY6
TWL
SEE NOTE 4
BEGIN LEFT TURN LANE R3-20L 24"X36"
SPEED LIMIT 35 R2-1 24"X30"
DO NOT ENTER R5-1 30"X30"
M4-60L 30"X24"
6' TEMPORARY PEDESTRIAN BARRICADE
R4-7 24"X30"
11+00
10' 10' 11'
ONLY
SEE NOTE 1
M4-60L 30"X24"
6' TEMP PEDESTRIAN BARRICADE
P
ONE WAY R6-2L 24"X30"
Regency West Dr
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
WO1-6
48" X 24"
TYPE III BARRICADE
REGENCY MALL SOUTH DWY
REGENCY MALL SOUTH DWY R/L
ONLY ONLY
END ROAD WORK G20-2A 48"X24"
PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD W20-1A

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 3C1
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 3C2
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

MATCH LINE 123+50

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 378	E

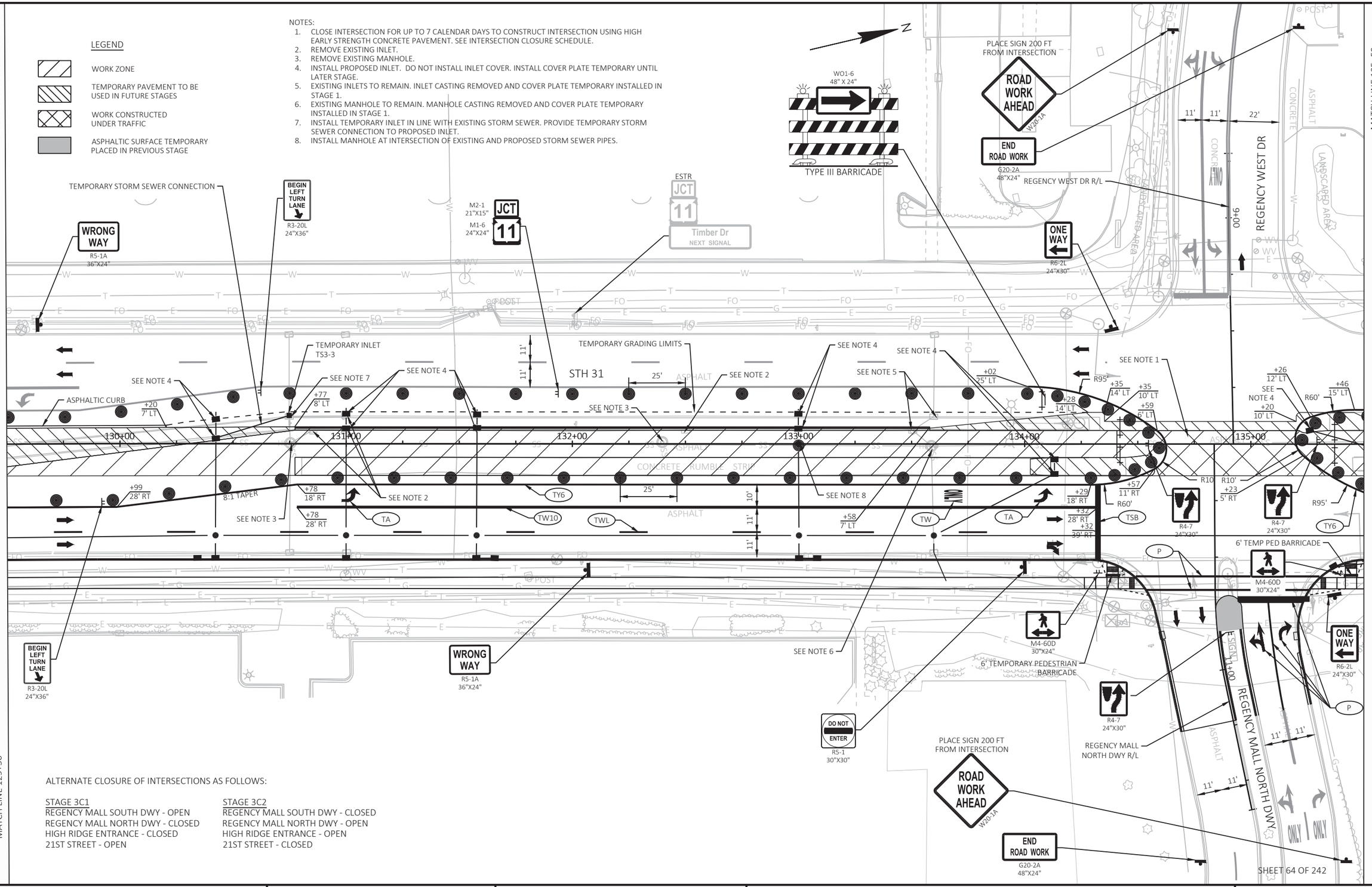
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 05
PLOT DATE : 7/15/2025 5:10 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS TO CONSTRUCT INTERSECTION USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.
2. REMOVE EXISTING INLET.
3. REMOVE EXISTING MANHOLE.
4. INSTALL PROPOSED INLET. DO NOT INSTALL INLET COVER. INSTALL COVER PLATE TEMPORARY UNTIL LATER STAGE.
5. EXISTING INLETS TO REMAIN. INLET CASTING REMOVED AND COVER PLATE TEMPORARY INSTALLED IN STAGE 1.
6. EXISTING MANHOLE TO REMAIN. MANHOLE CASTING REMOVED AND COVER PLATE TEMPORARY INSTALLED IN STAGE 1.
7. INSTALL TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER. PROVIDE TEMPORARY STORM SEWER CONNECTION TO PROPOSED INLET.
8. INSTALL MANHOLE AT INTERSECTION OF EXISTING AND PROPOSED STORM SEWER PIPES.



ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 3C1	STAGE 3C2
REGENCY MALL SOUTH DWY - OPEN	REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - CLOSED	REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - CLOSED	HIGH RIDGE ENTRANCE - OPEN
21ST STREET - OPEN	21ST STREET - CLOSED

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 379	E

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS TO CONSTRUCT INTERSECTION USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.
2. REMOVE EXISTING INLET.
3. REMOVE EXISTING MANHOLE.
4. INSTALL MANHOLE AT INTERSECTION OF EXISTING AND PROPOSED STORM SEWER PIPE
5. ADJUST MANHOLE COVER. PROVIDE TEMPORARY STORM SEWER CONNECTION BETWEEN EXISTING MANHOLE AND PROPOSED INLET.
6. INSTALL PROPOSED INLET WITHOUT PROPOSED INLET COVER. PROVIDE COVER PLATE TEMPORARY UNTIL LATER STAGE.
7. INSTALL MANHOLE AT INTERSECTION OF EXISTING AND PROPOSED STORM SEWER PIPE.
8. MANHOLE REMOVED IN PREVIOUS STAGE.
9. CONNECT EXISTING STORM SEWER TO TEMPORARY INLET

N

TEMPORARY STORM SEWER CONNECTION

TEMPORARY INLET TS3-4

DO NOT ENTER R5-1 30"X30"

WRONG WAY R5-1A 36"X24"

ESTR Regency West Dr NEXT SIGNAL

BEGIN LEFT TURN LANE R3-20L 24"X36"

WO1-6 48" X 24"

TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

REGENCY POINT ENTRANCE R/L

ONE WAY R6-2L 24"X30"

ESTR

REGENCY POINT ENTRANCE

END ROAD WORK G20-2A 48"X24"

MATCH LINE 141+50

ESTR SEMIS USE REGENCY WEST DRIVE

STH 31

SEE NOTE 9

SEE NOTE 3

SEE NOTE 6

SEE NOTE 2

ASPHALTIC CURB

STH 31 R/L

TEMPORARY GRADING LIMITS

CONCRETE RUBBLE STRIP

LANDSCAPED AREA

ASPHALT

136+00 137+00 138+00 139+00 140+00 141+00

+74 7' LT R61'

+85 28' RT

+59 39' RT

+63 7' LT

+14 8' LT

+73 6' LT

+94 25' LT

+41 14' LT

+41 10' LT

+52 7' LT

R100'

+25 10' LT

+38 15' LT

+18 11' LT

R60'

R4-7 24"X30"

+00 28' RT

+80 18' RT

+80 28' RT

+20 18' RT

+51 10' RT R65'

+16 28' RT

+16 39' RT

+15 6' RT

R10' R10'

R120'

SEE NOTE 8

R4-7 -24"X30"

TY6 TWL TW10 TA TSB

25'

8:1 TAPER

6' TEMPORARY PEDESTRIAN BARRICADE

SEE NOTE 1

P

R6'

+97 73' RT

+86 76' RT

+96 117' RT

+08 114' RT

HIGH RIDGE ENTRANCE

HIGH RIDGE ENTRANCE R/L

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

16' 21'

MATCH LINE 135+50

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 3C1
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 3C2
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 380 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 07
PLOT DATE : 7/15/2025 5:10 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. REMOVE EXISTING MANHOLE.
3. EXISTING MANHOLE TO REMAIN.
4. EXISTING INLETS TO REMAIN. INLET CASTINGS REMOVED AND COVER PLATE TEMPORARY INSTALLED IN STAGE 1.
5. EXISTING MANHOLE TO REMAIN. INLET CASTING REMOVED AND COVER PLATE TEMPORARY INSTALLED IN STAGE 1.
6. INSTALL TEMPORARY MANHOLE.
7. CONNECT EXISTING STORM SEWER LATERAL TO PROPOSED INLET.
8. INSTALL PROPOSED INLET WITHOUT PROPOSED INLET COVER. INSTALL TYPE S INLET COVER WITH ADJUSTMENT RINGS THAT HAVE A 2'X2' OPENING.
9. INSTALL PROPOSED INLET WITHOUT PROPOSED INLET COVER. PROVIDE COVER PLATE TEMPORARY UNTIL LATER STAGE.

MATCH LINE 147+50

DO NOT ENTER
R5-1
30"X30"

WRONG WAY
R5-1A
36"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
SPEED LIMIT 35

SPEED LIMIT 35
R2-1
24"X30"

ESTR
SOUTH 31

SEE NOTE 1
SEE NOTE 9
SEE NOTE 3
SEE NOTE 4
SEE NOTE 5
SEE NOTE 6
SEE NOTE 7
SEE NOTE 8
SEE NOTE 2

TEMPORARY MANHOLE TS3-5
TEMPORARY INLET TS3-6
TEMPORARY GRADING LIMITS

STH 31
STH 31 R/L

ASPHALT
ASPHALTIC CURB
CONCRETE RUMBLE STRIP

11'
11'
10'
25'

+67 7' LT
+72 7' LT
+58 6' LT
+58 39' RT
+84 28' RT
+08 28' RT
+88 18' RT
+88 28' RT

142+00
143+00
144+00
145+00
146+00
147+00

8:1 TAPER
TY6
TA
TW10
TWL

M4-60R
30"X24"

WO1-6
48" X 24"
TYPE III BARRICADE

6' TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY STORM SEWER CONNECTION

MATCH LINE 141+50

SHEET 66 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 381	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:11 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS TO CONSTRUCT INTERSECTION USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.
3. REMOVE EXISTING INLET.
4. INSTALL TEMPORARY MANHOLE AND CONNECT PROPOSED STORM SEWER TO EXISTING STORM SEWER.
5. REMOVE EXISTING MANHOLE COVER. EXISTING MANHOLE TO REMAIN. INSTALL COVER PLATE TEMPORARY.
6. INSTALL TEMPORARY INLET IN LINE WITH PROPOSED STORM SEWER PIPE.
7. ADJUST MANHOLE COVER TO TEMPORARY PAVEMENT ELEVATION.
8. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 AT 21ST STREET. MAINTAIN ONE CROSSING OF STH 31 AT ALL TIMES. WHEN A CROSSWALK IS NOT IN USE CLOSE THE CROSSWALK USING TYPE III BARRICADES WITH THE PROPER SIDEWALK CLOSED SIGNS.
9. INSTALL MANHOLE AND CONNECT PROPOSED STORM SEWER TO EXISTING STORM SEWER.
10. INSTALL PROPOSED INLET WITHOUT INLET COVER. PROVIDE COVER PLATE TEMPORARY UNTIL LATER STAGE.
11. INSTALL PROPOSED INLET WITH TYPE S INLET COVER SET TO TEMPORARY PAVEMENT ELEVATION. PROVIDE ADJUSTMENT RINGS WITH 2'X2' OPENING. ADJUST TO FINAL GRADE AND INSTALL PROPOSED INLET COVER IN LATER STAGE.

PLACE SIGN 200FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

21ST ST R/L
21ST ST
ASPHALT
CONCRETE
CONCRETE WALK

END ROAD WORK
G20-2A
48"X24"

ESTR
CITY OF RACINE RESIDENTIAL DROP OFF

ESTR
21st St
NEXT SIGNAL

ONE WAY
R6-2L
24"X30"

DO NOT ENTER
R5-1
30"X30"

R4-7
24"X30"

R3-2
24"X24"

ONE WAY
R6-2R
24"X30"

WRONG WAY
R5-1A
36"X24"

TEMPORARY INLET
TS3-7

TEMPORARY STORM SEWER CONNECTION

TEMPORARY INLET
TS3-8

TEMPORARY MANHOLE
TS3-9

TEMPORARY MANHOLE
TS3-10

TEMPORARY GRADING LIMITS

TEMPORARY STORM SEWER CONNECTION

STH 31

STH 31 R/L

SEE NOTE 1
SEE NOTE 2
SEE NOTE 3
SEE NOTE 4
SEE NOTE 5
SEE NOTE 6
SEE NOTE 7
SEE NOTE 8
SEE NOTE 9
SEE NOTE 10
SEE NOTE 11

TEMPORARY GRADING LIMITS

TA
TW
TWL
TXW
TSB
TY6
P

+06 25' LT
+65 6' LT
+36 14' LT
+42 14' LT
+42 10' LT
+51 15' LT
+39 12' LT
+54 14' LT
+58 15' LT
+85 7' LT
+25 28' RT
+25 39' RT
+35 18' RT
+46 17' RT
+36 9' RT
+97 28' RT
+11 71' RT
+04 73' RT
+21 127' RT
+29 127' RT

R100'
R17'
R12'
R60'
R65'
R110'

148+00
149+00
150+00
151+00
152+00
153+00

10'
11'
12'
25'

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

MATCH LINE 147+50

MATCH LINE 153+50

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 3C1
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 3C2
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 67 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 382	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 5:11 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

JOANNE DR R/L

ONE WAY
R6-2R
24"X30"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ESTR
SPEED LIMIT
35

ESTR
STOP

R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

ESTR

BEGIN LEFT TURN LANE
R3-20L
24"X36"

JOANNE DR

9+00

R3-2
24"X24"

TEMPORARY STORM SEWER CONNECTION

TEMPORARY GRADING LIMITS

SEE NOTE 1
SEE NOTE 7
SEE NOTE 2
54' R
+37
14' LT
+11
7' LT
+17
14' LT
+49
3' LT
49' R
STH 31
25'
SEE NOTE 11
11'
11'
+12
0' RT
SEE NOTE 1
+43
7' LT
SEE NOTE 4
SEE NOTE 6
SEE NOTE 9

STH 31 R/L

154+00
155+00
156+00
157+00
158+00
159+00

+59
2' RT
+67
3' RT
+67
1' RT
+45
3' RT
R55'
+65
6' LT

SEE NOTE 3
SEE NOTE 1
TEMPORARY INLET
TS3-12
SEE NOTE 4
SEE NOTE 8
SEE NOTE 8
SEE NOTE 5
+12
3' RT
SEE NOTE 11
R49'
+79
3' RT
SEE NOTE 7

SEE NOTE 10
11'
11'
TY6
25'
TWL
SEE NOTE 1
SEE NOTE 7
TEMPORARY STORM SEWER CONNECTION
VANE DRAIN TEMPORARY
SEE NOTE 4

TEMPORARY INLET
TS3-11

R3-2
24"X24"

SPEED LIMIT
35
R2-1
24"X30"

R3-2
24"X24"

TEMPORARY INLET
TS3-13
TEMPORARY STORM SEWER CONNECTION
TEMPORARY INLET
TS3-14
TEMPORARY STORM SEWER CONNECTION

MARGERY DR R/L
MARGERY DR
9+00

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MATCH LINE 159+50

MATCH LINE 153+50

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. EXISTING INLETS TO REMAIN. INLET CASTINGS REMOVED AND COVER PLATE TEMPORARY INSTALLED IN STAGE 1.
3. ADJUST EXISTING MANHOLE COVER.
4. REMOVE EXISTING INLET.
5. REMOVE EXISTING MANHOLE.
6. PROVIDE TEMPORARY CONNECTION OF PROPOSED STORM SEWER TO EXISTING STORM SEWER.
7. INSTALL PROPOSED INLET WITHOUT INLET COVER. PROVIDE COVER PLATE TEMPORARY UNTIL LATER STAGE.
8. INSTALL PROPOSED INLET.
9. CONNECT TEMPORARY STORM SEWER TO PROPOSED INLET
10. ADJUST INLET COVER. ROTATE INLET COVER 180 DEGREES AND RESET AT AN ELEVATION THAT PROVIDES POSITIVE DRAINAGE FROM TEMPORARY PAVEMENT.
11. INSTALL PROPOSED INLET WITH TYPE S COVER. PROVIDE ADJUSTMENT RINGS WITH 2'X2' RECTANGULAR OPENING.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 383	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 10
PLOT DATE : 7/15/2025 5:11 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET SOUTH OF CASTLE CT TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.
2. INSTALL PROPOSED INLET WITHOUT INLET COVER. PLACE COVER PLATE TEMPORARY UNTIL LATER STAGE.
3. REMOVE EXISTING INLET COVER AND COVER WITH COVER PLATE TEMPORARY.

MATCH LINE 165+50

2

STH 31

GREENLEAF BLVD

CASTLE CT

TEMPORARY STORM SEWER CONNECTION INSTALLED IN STAGE 1

TEMPORARY GRADING LIMITS

TEMPORARY INLET INSTALLED IN STAGE 1 ADJUST INLET COVER TO TEMPORARY PAVEMENT ELEVATION

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

GREENLEAF BLVD R/L

STH 31 R/L

CASTLE CT R/L

TY6

TWL

160+00 +00 0' LT

161+00

162+00 +13 8' LT

163+00

164+00

165+00

9+00

11+00

R1499'

25'

11'

11'

ASPHALT

CONCRETE

SIGN

ESTR

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

WRONG WAY R5-1A 36"X24"

SPEED LIMIT 35 R2-1 24"X30"

ONE WAY R6-2R 24"X30"

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

STOP

DO NOT ENTER

NO OUTLET

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

SHEET 69 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 384	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 11

PLOT DATE : 7/16/2025 4:21 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET SOUTH OF CASTLE DRIVE TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.

2

MATCH LINE 171+50

MATCH LINE 165+50

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
STOP

SUNSET BLVD

SPEED LIMIT 35
R2-1
24"X30"

R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

SUNSET BLVD R/L

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ONE WAY
R6-2R
24"X30"

R3-2
24"X24"

9+00

11'
11'
25'

245' MERGE TAPER

STH 31

SEE NOTE 2

166+00
167+00
168+00
169+00
170+00
171+00

STH 31 R/L

TY6
TWL

10'
11'
11'
11'
25'

SEE NOTE 1

ASPHALT

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W03-3

ESTR
DO NOT ENTER

LANDSCAPED AREA

SPEED LIMIT 35
R2-1
24"X30"

ESTR
WRONG WAY

R3-2
24"X24"

11+00

BYRD AVE

CONCRETE

BYRD AVE R/L

ESTR
16th St
NEXT SIGNAL

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

LINCOLN VILLAGE DR R/L

LINCOLN VILLAGE DR

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 70 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 385	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 12

PLOT DATE : 7/15/2025 5:11 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

16TH ST
16TH ST R/L
12' 12' 12'
ONLY

ESTR
DO NOT ENTER

ESTR
SPEED LIMIT 35

ESTR
WRONG WAY

ESTR
W1-2L

ESTR
CITY OF RACINE
RESIDENTIAL DROP OFF

ESTR
ONE WAY

R3-2
24"X24"

STH 31
STH 31 R/L
SEE NOTE 1

172+00 173+00 174+00 175+00 176+00 177+00
71+00

10' 11' 11'
11' 11' 10'

ASPHALT
CONCRETE RUMBLE STRIP
CONCRETE RUMBLE
LANDSCAPED AREA
SIGN

ESTR
BEGIN LEFT TURN LANE

ESTR
WRONG WAY

ESTR
DO NOT ENTER

ESTR
ONE WAY

ESTR
NORTH 31

11+00

MATCH LINE 171+50
MATCH LINE 177+50

SHEET 71 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 386	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:11 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

ESTR
16th St
NEXT SIGNAL

ESTR
WRONG WAY

LEFT LANE CLOSED AHEAD
W20-5A

ESTR
BEGIN LEFT TURN LANE

ESTR

ROAD WORK AHEAD
W20-1A

ESTR
STOP

HORIZON BLVD R/L

HORIZON BLVD

9+00

PCMS

STH 31

10'
11'
11'

11'
11'
10'

STH 31 R/L

178+00
179+00
180+00
181+00
182+00
183+00

ESTR
SPEED LIMIT
35

ESTR
Wright Ave
NEXT SIGNAL

ESTR

SIGN

LANDSCAPED AREA

ASPHALT

CONC

INSTALL TRAFFIC CONTROL SIGNS PCMS WITH 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 3

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

MATCH LINE 177+50

SHEET 72 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 387	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:12 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 351+25

2

ESTR WRONG WAY REMOVE

ESTR WEST 11

ESTR STOP

ESTR

ESTR DO NOT ENTER

12'

12'

346+00 347+00 348+00 349+00 350+00 351+00

STH 11 R/L

STH 11

12'

12'

15'

ESTR Hwy 32 Downtown Green Bay Rd NEXT SIGNAL

ESTR STOP

ROAD WORK AHEAD

ESTR JCT 31

ESTR

ESTR NORTH SOUTH 31 31 SECOND LEFT

SHEET 73 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 388	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026004-S3A.DWG
LAYOUT NAME - 22

PLOT DATE : 7/15/2025 5:12 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

MATCH LINE 357+25

COMMERCIAL DRIVEWAY

COMMERCIAL DRIVEWAY

ESTR
NORTH
31

ESTR
SPEED LIMIT
40

ESTR
ONE WAY

ESTR
BEGIN LEFT TURN LANE

ESTR
STOP

SIGN COVERED IN PREVIOUS STAGE
ONLY

END ROAD WORK
G20-2A
48"X24"

ESTR
DO NOT ENTER

ESTR

ESTR
DO NOT ENTER

ESTR
DO NOT ENTER

ESTR
DO NOT ENTER

ESTR

ESTR
ONE WAY

ESTR
NORTH 31 | EAST 11 | SOUTH 31

ESTR
BEGIN LEFT TURN LANE

ESTR
RIGHT LANE MUST TURN RIGHT

ESTR
WRONG WAY

ESTR
DO NOT ENTER

STH 11 R/L

STH 11

352+00
353+00
354+00
355+00
356+00
357+00

11'
11'
25'
12'
11'
15'
11'

POST
GUY
SIGN
OH
UT
CATV

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 351+25

SHEET 74 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 389	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026004-S3A.DWG
LAYOUT NAME - 23

PLOT DATE : 7/15/2025 5:13 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 366+75

MATCH LINE 360+75

ESTR NORTH 31

ESTR ONLY ONLY

ESTR BEGIN LEFT TURN LANE

ESTR BEGIN RIGHT TURN LANE

ESTR SOUTH NORTH 31 31

ESTR STOP DIVIDED HIGHWAY

ESTR

ESTR ONE WAY

ESTR DO NOT ENTER

COMMERCIAL DRIVEWAY

15'

11'

11'

11'

11'

11'

P

361+00

362+00

363+00

364+00

365+00

366+00

STH 11 R/L

STH 11

E

E

OH

OH

SIGN

GUY

SIGN

SIGN

ESTR SPEED LIMIT 40

ESTR CURB LANE BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR DO NOT ENTER

ELWOOD DRIVE

ESTR STOP DIVIDED HIGHWAY

ESTR ONE WAY

END ROAD WORK

G20-2A

48"X24"

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 75 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 390	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026004-S3A.DWG
LAYOUT NAME - 24

PLOT DATE : 7/15/2025 5:13 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ESTR

ALTERNATE SOUTH INTERSTATE 41 SECOND LEFT
ALTERNATE EAST INTERSTATE 94 SECOND LEFT
ALTERNATE NORTH INTERSTATE 41
ALTERNATE WEST INTERSTATE 94

NORTH 31

M3-1 24"X12"
M1-6 24"X24"

ROAD WORK AHEAD W20-1A

ESTR BEGIN RIGHT TURN LANE

ESTR

ESTR BEGIN LEFT TURN LANE

ESTR JCT 31

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR

STH 11

367+00 368+00 369+00 370+00 371+00 372+00

11' 11' 12' 11' 11' 11'

STH 11 R/L

ESTR

ESTR

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR BEGIN LEFT TURN LANE

ESTR Racine

ESTR SPEED LIMIT 40

ESTR DO NOT ENTER

MATCH LINE 366+75

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 76 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3A-3B-3C	SHEET 391	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026004-S3A.DWG
LAYOUT NAME - 25
PLOT DATE : 7/15/2025 5:13 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

STH 11

STH 31

S. GREEN BAY RD. S.T.H. 31

SB TRUCKS NO LEFT TURN
CONSTRUCT SLABS USING
HES CONCRETE PAVEMENT

EXISTING SIDEWALK TO
REMAIN OPEN FOR
DURATION OF STAGE 3

6' TEMP PED BARRICADE

TEMPORARY TRAFFIC SIGNAL
SHALL USE SPLIT PHASE
SIGNAL TIMING FOR NB AND
SB LEFT TURN PHASES

REUSE EXISTING
SIGN AS TRAFFIC
CONTROL SIGN

TYPE III BARRICADE

MATCH LINE 360+75

MATCH LINE STA 117+50

MATCH LINE 123+50

SHEET 77 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3B	SHEET 392	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026005-S3B.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 5:14 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

STH 11 R/L

STH 31

STH 31 R/L

ESTR SOUTH 31

ESTR WEST 11

ESTR EAST 11

ESTR ONE WAY

ESTR DIVIDED HIGHWAY

ESTR DO NOT ENTER

ESTR YIELD

DETOUR M4-9BL 30"X24"

DETOUR M4-9BR 30"X24"

6' TEMP PED BARRICADE

SIDEWALK CLOSED R9-9 24"X12"

WRONG WAY R5-1A 36"X24"

EXISTING SIDEWALK TO REMAIN OPEN FOR DURATION OF STAGE 3

EAST 11 M3-2 24"X12" M1-6 24"X24" M6-1 21"X21"

NORTH 31 M3-1 24"X12" M1-6 24"X24"

TY6 R18' R4-7 24"X30"

WO1-6 48" X 24"

TYPE III BARRICADE

Timber Dr NEXT SIGNAL REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

ASPHALTIC CURB

SEE NOTE 1

SEE NOTE 2

CONCRETE SIDEWALK

118+00 119+00 120+00 121+00 122+00 123+00

358+00 359+00 360+00

+83 18' LT +09 17' LT +08 7' LT +08 4' RT +87 4' RT +76 17' RT +45 7' LT

11' 11' 12' 15' 11' 11' 10' 25'

NOTES:
1. REMOVE EXISTING INLET.
2. INSTALL PROPOSED INLET WITHOUT COVER. PROVIDE COVER PLATE TEMPORARY UNTIL LATER STAGE.

MATCH LINE STA 117+50

MATCH LINE 360+75

MATCH LINE 123+50

2

SHEET 78 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 3C	SHEET 393	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026006-S3C.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 5:14 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

TRAFFIC CONTROL NOTES - STAGE 4

CONSTRUCTION:

- CONSTRUCT SB LANES OF STH 31.

TRAFFIC:

- STH 31 - 2 THRU LANES IN EACH DIRECTION
- PROVIDE LEFT TURN LANES AT EACH SIGNALIZED INTERSECTION.
- NON-SIGNALIZED INTERSECTIONS WILL BE RIGHT IN/RIGHT OUT

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ESTR STOP DIVIDED HIGHWAY

GREEN RIDGE DR

ESTR DEAD END

ESTR DO NOT ENTER

ESTR Green Ridge Dr

ESTR WRONG WAY

MATCH LINE 105+50

2

N

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR 5 CALENDAR DAYS AFTER THE START OF STAGE 4.

PCMS

PCMS

STH 31

12'

12'

12'

102+00

103+00

104+00

105+00

ESTR

ESTR

12'

12'

12'

25'

ESTR ONE WAY

ESTR SPEED LIMIT 35

350'

350'

350'

245' MERGE TAPER

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5A

W04-2L

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

SHEET 79 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 394	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 5:14 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

N

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 111+50

2

ESTR
SPEED LIMIT 35

ESTR
STOP
DIVIDED HIGHWAY

ESTR
ONE WAY

LARCHMONT DR

STH 31

12'
12'
12'

ESTR

ESTR

106+00 107+00 108+00 109+00 110+00 111+00

STH 31 R/L

25'

25'

12'
12'

ESTR
Larchmont Dr

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO12-1D
24"X24"

ESTR
JCT 11

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
ONE WAY

245'
MERGE TAPER

MATCH LINE 105+50

SHEET 80 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 395	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 02

PLOT DATE : 7/15/2025 5:14 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE STA 117+50

2

ESTR
DO NOT ENTER

ESTR
Larchmont Dr

END ROAD WORK
G20-2A
48"X24"

ESTR
SPEED LIMIT 35

ESTR
ADOPT A HIGHWAY
THE HOME DEPOT STORE # 4026 RACINE WI

STH 31

12'
12'
12'

TY6
+00
14' LT

112+00
113+00
114+00
115+00
116+00
117+00

STH 31 R/L

25'

12'
12'

+07
26' RT

TY6
+92
28' RT

TWS

+46
13' RT

TW10
+00
28' RT

11'
11'

+17
6' RT
+18
16' RT
P

ESTR

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
WEST NORTH EAST
11 31 11
Durand Ave
NEXT SIGNAL

WO12-1D
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
EAST
11

G
G
ØGV
G
OH

MATCH LINE 111+50

SHEET 81 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 396	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 03

PLOT DATE : 7/15/2025 5:14 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. REMOVE EXISTING MANHOLE.
3. EXISTING INLET TO REMAIN.

MATCH LINE 357+25

MATCH LINE 123+50

MATCH LINE STA 117+50

MATCH LINE 360+75

STH 31

STH 31 R/L

STH 11

STH 11 R/L

Kenosha 7

SIGN

ASPHALT

CONCRETE WALK

Timber Dr
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

12' TEMPORARY PEDESTRIAN BARRICADE

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

ESTR SOUTH 31

ESTR WEST 11

ESTR EAST 11

ESTR ONE WAY

ESTR DIVIDED HIGHWAY

ESTR DO NOT ENTER

ESTR YIELD

WO1-6
48"X24"

WO12-1D
24"X24"

M4-9BR
30"X24"

M4-9BL
30"X24"

M3-2
24"X12"

M3-4
24"X12"

M1-6
24"X24"

M6-1
21"X21"

M3-1
24"X12"

NORTH 31

+07 38' LT
+00 27' LT
+53 28' LT
+25 19' LT
+40 29' LT
+57 15' LT
+67 2' RT
+24 55' LT
+73 31' LT
+82 11' LT
+05 19' LT
+00 6' LT
+85 1' RT
+29 16' RT
+82 27' RT
+29 26' RT
+00 5' RT
+00 16' RT
+37 59' RT
+47 91' RT

R1012'
R1000'
R75'
R1500'
R1511'
R1522'

TW6
TY6
P
TXS
TXW
TSB
TA
TW
TW10
TWL

118+00
119+00
120+00
121+00
122+00
123+00

358+00
359+00

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B	SHEET 397	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 5:15 PM

PLOT BY : BLACKWOOD, JIM

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

SEE NOTE 1

END ROAD WORK
G20-2A
48"X24"

TIMBER DR

ONLY

11.5' 11.5' 11.5' 11' 10.5'

TIMBER DR R/L

SEE NOTE 4

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 4A	STAGE 4B
TIMBER DR - OPEN	TIMBER DR - CLOSED
REGENCY WEST - CLOSED	REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - CLOSED	REGENCY POINT ENTRANCE - OPEN
21ST STREET - OPEN	21ST STREET - CLOSED

M3-2 24"X12" | M3-3 24"X12" | M3-4 24"X12"

EAST | SOUTH | WEST

M1-6 24"X24" | 11 | 31 | 11 | M1-6 24"X24" | M1-6 24"X24"

M5-1L 21"X21" | M6-1 21"X21" | M5-1R 21"X21"

Durand Ave
NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

W10-48R

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

TW10 | TY6

+09 62' LT

+67 62' LT

SEE NOTE 2

SEE NOTE 3

R57'

9+00

124+00 | 125+00 | 126+00 R50' | 127+00 | 128+00 | 25' | 129+00

TW10 +73 16' RT | TWL | +33 16' RT | TW6 | TY6 | +99 6' LT | +83 5' RT | +20 40' LT | +31 40' LT | +43 40' LT | TSB | +24 6' LT | TWL | TW10 | TW6

+73 26' RT | +59 12' LT | +79 16' RT | +14 5' RT | +14 16' RT | +14 26' RT | TW | TA | TY6

10' 11' 11' 11' 10'

CONCRETE | ASPHALT | STH 31 | 25'

MOUNT ON QUICK RELEASE FIXED BASE

W6-4 12"X18"

STH 31 R/L

MOUNT ON QUICK RELEASE FIXED BASE

W6-4 12"X18"

M4-60L 30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

M4-60L 30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

SPEED LIMIT 35
R2-1 24"X30"

R4-7 24"X30"

10' 10' 11' 11'

REGENCY MALL SOUTH DRIVEWAY R/L

REGENCY MALL SOUTH DWY

END ROAD WORK
G20-2A
48"X24"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

Regency West Dr
NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

NOTES:
1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. REMOVE EXISTING MANHOLE.
4. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 123+50

SHEET 83 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 398	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 05
PLOT DATE : 7/15/2025 5:15 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 4A
TIMBER DR - OPEN
REGENCY WEST - CLOSED
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 4B
TIMBER DR - CLOSED
REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

M2-1 21"X15"
JCT
M1-6 24"X24"
11
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
Timber Dr
NEXT SIGNAL

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

PLACE SIGN AND 6' SECTION OF TEMPORARY PEDESTRIAN BARRICADE AT START OF SIDEWALK
PLACE SIGN 200 FT FROM INTERSECTION
SIDEWALK CLOSED
R9-9 24"X12"
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A 48"X24"

SEE NOTE 1
REGENCY WEST DR R/L
REGENCY WEST DR
11' 11' 22'
ONLY
SEE NOTE 2
SEE NOTE 3
TW10 +68 100' LT
TY6 +12 101' LT
TSB +12 68' LT
+68 62' LT
Ø1+00
R50'
R62'

130+00 131+00 132+00 133+00 134+00 135+00
25'
STH 31 R/L
CONCRETE RUMBLE STRIP
STH 31
ASPHALT
11' 10' 11' 11'

TW10 +98 16' RT
TY6 +98 26' RT
TA
TWL
+78 16' RT
TW6
+58 6' LT
+19 12' LT
+32 5' RT
+32 16' RT

MOUNT ON QUICK RELEASE FIXED BASE
W6-4 12"X18"
6' TEMPORARY PEDESTRIAN BARRICADE
M4-60D 30"X24"
6' TEMPORARY PEDESTRIAN BARRICADE
R4-7 24"X30"
REGENCY MALL NORTH DRIVEWAY R/L
PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD W20-1A
END ROAD WORK G20-2A 48"X24"
REGENCY MALL NORTH DWY
ONLY ONLY
11' 11' 11' 11'

MATCH LINE 129+50
MATCH LINE 135+50

NOTES:
1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 399	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 06
PLOT DATE : 7/15/2025 5:15 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 4A
TIMBER DR - OPEN
REGENCY WEST - CLOSED
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 4B
TIMBER DR - CLOSED
REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

REGENCY POINT ENTRANCE R/L

END ROAD WORK
G20-2A
48"X24"

REGENCY POINT ENTRANCE

MATCH LINE 141+50

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
Regency West Dr
NEXT SIGNAL

SEE NOTE 1
SEE NOTE 2
SEE NOTE 3

ESTR

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
SEMIS
USE REGENCY WEST DRIVE

LANDSCAPED AREA

TW10
TA
+42 47' LT
+55 117' LT
+65 90' LT
+04 94' LT
+07 61' LT
10' 10'

ASPHALT
CONCRETE RUMBLE STRIP
SOD
GRAVEL

136+00
137+00
138+00
139+00
140+00
141+00
R40'
R60'
25'

+76 6' LT
+59 5' RT
+59 16' RT
+59 26' RT
+59 28' RT
+85 28' RT
+00 16' RT
+00 26' RT
+80 16' RT
+73 6' LT
+11 5' RT
+03 9' LT
+16 16' RT
+55 20' LT
+65 20' LT

TWL
TW6
TW
TY6
TSB
STH 31 R/L
STH 31

11'
10'

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

6' TEMPORARY PEDESTRIAN BARRICADE

M4-60D
30"X24"

M4-60R
30"X24"

R4-7
24"X30"

HIGH RIDGE ENTRANCE R/L
HIGH RIDGE ENTRANCE
11+00

NOTES:
1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OFTHE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.

MATCH LINE 135+50

16'
21'

SHEET 85 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 400	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 07
PLOT DATE : 7/15/2025 5:15 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET
2. REMOVE EXISTING MANHOLE

N

MATCH LINE 147+50

2

M3-3 24"X12"
M1-6 24"X24"
SOUTH 31

SPEED LIMIT 35
R2-1 24"X30"

SEE NOTE 1
SEE NOTE 2
SEE NOTE 1

ASPHALT
CONCRETE RUMBLE STRIP

142+00 +67 6' LT
143+00
144+00
25'
145+00
146+00
147+00

+58 5' RT
+58 16' RT
+58 26' RT
TW6
TW10
TWL
TA
TY6
TW
25'
TA
+08 16' RT
+08 26' RT
+88 16' RT
STH 31 R/L
11'
10'
11'
11'

STH 31

SPEED LIMIT 35
R2-1 24"X30"

MOUNT ON QUICK RELEASE FIXED BASE
W6-4 12"X18"

M4-60R 30"X24"

MATCH LINE 141+50

SHEET 86 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 401	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:15 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 4A
TIMBER DR - OPEN
REGENCY WEST - CLOSED
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 4B
TIMBER DR - CLOSED
REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

NOTES:
1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET
3. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.
4. MAINTAIN PEDESTRIAN ACCESS ACROSS STH 31 AT 21ST STREET AT ALL TIMES. SEE SEPARATE SHEETS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS.
5. CLOSE EASTBOUND THROUGH LANE USING SIDEROAD THROUGH LANE CLOSURE DETAIL WHEN 21ST STREET IS CLOSED.

PLACE SIGN 200FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

21ST ST

21ST ST R/L

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

CITY OF RACINE RESIDENTIAL DROP OFF
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.
21st St
NEXT SIGNAL

MATCH LINE 153+50

SEE NOTE 1
SEE NOTE 2
SEE NOTE 3
SEE NOTE 4
SEE NOTE 5

R4-7
24"X30"

R3-2
24"X24"

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

M4-60R
30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

STH 31 R/L
STH 31

MATCH LINE 147+50

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 87 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 402 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 5:16 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTES:
1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 4A-4B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 4B1 IS INTENDED TO BE USED AT THE START OF STAGE 4 BEFORE 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. COVER EXISTING DETECTABLE WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."

MATCH LINE 153+50

21ST ST

SEE NOTE 3

TEMPORARY PEDESTRIAN SURFACE MATTING

M4-60L 30"X24"

M4-60R 30"X24"

21ST ST R/L

TEMPORARY PEDESTRIAN CURB RAMP

M4-60R 30"X24"

TEMPORARY PEDESTRIAN BARRICADE

10'

STH 31

148+00

149+00

150+00

151+00

152+00

153+00

STH 31 R/L

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TXW

M4-60L 30"X24"

M4-60R 30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

21ST ST R/L

21ST ST

ONE WAY

MATCH LINE 147+50

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 2B
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 4B1	SHEET 403	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007A-S4A1-PED.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 5:16 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:
1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 4A-4B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 4B2 IS INTENDED TO BE USED WHEN 21ST STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.
4. COVER EXISTING DETECTABLE WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."

MATCH LINE 153+50

MATCH LINE 147+50

21ST ST

SEE NOTE 4

TEMPORARY PEDESTRIAN SURFACE MATTING

M4-60L 30"X24"

M4-60R 30"X24"

21ST ST R/L

TEMPORARY PEDESTRIAN CURB RAMP

M4-60R 30"X24"

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

M4-60L 30"X24"

M4-60R 30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

21ST ST R/L

148+00 149+00 150+00 151+00 152+00 153+00

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 2B
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 89 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 4B2	SHEET 404 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007A-S4A2-PED.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 5:17 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 4A-4B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 4b3 IS INTENDED TO BE USED WHEN 21TH STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.

TEMPORARY PEDESTRIAN CURB RAMP
M4-60R 30"X24"
M4-60L 30"X24"
TEMPORARY PEDESTRIAN SURFACE MATTING
21ST ST
9+00
21ST ST R/L
TEMPORARY PEDESTRIAN BARRICADE
148+00
149+00
150+00
151+00
152+00
153+00
STH 31 R/L
STH 31
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
TXW
6' TEMPORARY PEDESTRIAN BARRICADE
MATCH LINE 147+50
MATCH LINE 153+50

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 2A
REGENCY MALL SOUTH DWY - OPEN
REGENCY MALL NORTH DWY - CLOSED
HIGH RIDGE ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 2B
REGENCY MALL SOUTH DWY - CLOSED
REGENCY MALL NORTH DWY - OPEN
HIGH RIDGE ENTRANCE - OPEN
21ST STREET - CLOSED

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 90 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 4B3	SHEET 405 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007A-S4A3-PED.DWG
LAYOUT NAME - 09
PLOT DATE : 7/15/2025 5:18 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTES:
1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 4A-4B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 4B4 IS INTENDED TO BE USED WHEN 21ST STREET HAS BEEN RECONSTRUCTED AND IS OPEN TO TRAFFIC BEFORE END OF STAGE 4.
3. COVER PERMANENT DETECTABLE WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."

MATCH LINE 153+50

MATCH LINE 147+50

TEMPORARY PEDESTRIAN BARRICADE

M4-60L 30"X24"

M4-60R 30"X24"

21ST ST R/L

SEE NOTE 3

SIDEWALK CLOSED R9-9 24"X12"

6+00

148+00

149+00

150+00

151+00

152+00

153+00

STH 31 R/L

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TXW

M4-60R 30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

1'+00

M4-60L 30"X24"

21ST ST R/L

21ST ST

CONCRETE RUMBLE STRIP

ONE WAY

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 91 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 4B4	SHEET 406	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007A-S4A4-PED.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:19 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

JOANNE DR R/L

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

STOP
R1-1
30"X30"
ONE WAY
R6-1R
36"X12"
R3-2
24"X24"

SEE NOTE 3

SEE NOTE 1

JOANNE DR

00+6

SEE NOTE 2

TEMPORARY STORM SEWER PLACED IN PREVIOUS STAGE

DO NOT INSTALL PERMANENT CURB & GUTTER

+98
52' LT

+65
61' LT

R55'

R50'

SEE NOTE 2

154+00

155+00

156+00

157+00

158+00

159+00

+11
6' LT

+96
26' RT

+77
16' RT

+45
2' LT

STH 31 R/L

8:1 TAPER

5'

TW6

TW10

TA

TY6

TWL

SEE NOTE 4

STH 31

25'

+82
4' RT

+82
26' RT

+34
4' RT

11'

11'

11'

11'

SPEED LIMIT
35
R2-1
24"X30"

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

R1-1
30"X30"
STOP
R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

SEE NOTE 1

SEE NOTE 2

+88
58' LT

MARGERY DR

9+00

END ROAD WORK
G20-2A
48"X24"

MARGERY DR R/L

SEE NOTE 3

W01-4BR

SEE NOTE 2

+23
39' LT

R55'

R50'

+79
4' RT

+80
26' RT

5'

SEE NOTE 4

TW6

MATCH LINE 159+50

MATCH LINE 153+50

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

W03-3

R3-2
24"X24"

SPEED LIMIT
35
R2-1
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R3-2
24"X24"

SEPV

GUY

ASPHALT

CONC

CABC

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET
3. CLOSE INTERSECTION TO CONSTRUCT INTERSECTION. ALTERNATE CLOSURE OF JOANNE DRIVE AND MARGERY DRIVE. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.
4. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY

SHEET 92 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 407	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 10
PLOT DATE : 7/16/2025 9:40 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

TEMPORARY STORM SEWER CONNECTION INSTALLED IN STAGE 1

ASPHALTIC CURB

ASPHALTIC SURFACE TEMPORARY

+50 46' LT

+50 14' LT

+00 1' RT

W6

TW6

TWL

+00 12' RT

Y6

+00 23' RT

160+00

161+00

162+00

163+00

164+00

165+00

STH 31

STH 31 R/L

R1500'

R1511'

R1522'

11'

25'

10'

18' TEMPORARY PEDESTRIAN BARRICADE

SIDEWALK CLOSED
R9-9
24"X12"

ESTR
SPEED LIMIT 35

TEMPORARY INLET INSTALLED IN STAGE 1

ESTR
DO NOT ENTER

ESTR
NO OUTLET

ONE WAY
R6-2R
24"X30"

CASTLE CT

11+00

CASTLE CT R/L

END ROAD WORK
G20-2A
48"X24"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

SEE NOTE 1

GREENLEAF BLVD R/L

GREENLEAF BLVD

9+00

ESTR
STOP

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-1
24"X24"

+46 20' LT

+47 9' LT

+49 2' RT

+50 35' LT

+52 25' LT

SEE NOTE 2

R3-2
24"X24"

ONE WAY
R6-1R
36"X12"

ESTR
STOP

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MATCH LINE 165+50

NOTES:
1. SEE CONSTRUCTION DETAIL"TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL DETAILS.
2. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET SOUTH OF CASTLE COURT TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.

SHEET 93 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 408	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 11

PLOT DATE : 7/15/2025 5:19 PM

PLOT BY : BLACKWOOD, JIM

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

SUNSET BLVD R/L

SUNSET BLVD

9+00

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

R1522'

R1511'

W6

+44 51' LT

R1500'

W6

+44 40' LT

Y6

+44 29' LT

SEE NOTE 1

10'

166+00

167+00

+69 4' RT

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R3-2 24"X24"

WO1-4BL

R3-2 24"X24"

168+00

SEE NOTE 1

10'

11'

11'

11'

10'

169+00

25'

25'

STH 31 R/L

170+00

SEE NOTE 2

171+00

SEE NOTE 2

ASPHALT

STH 31

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

LINCOLN VILLAGE DR R/L

LINCOLN VILLAGE DR

9+00

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R3-2 24"X24"

MATCH LINE 171+50

MATCH LINE 165+50

R3-2 24"X24"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

11+00

STOP R1-1 30"X30"

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

BYRD AVE R/L

BYRD AVE

SPEED LIMIT 35 R2-1 24"X30"

END ROAD WORK G20-2A 48"X24"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.

16th St NEXT SIGNAL

WO3-3

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET SOUTH OF CASTLE CT TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING OUTSIDE OF THIS AREA.
2. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FET FROM 50 FEET UPSTREAM OF INTERSECTION TO 50 FEET DOWNSTREAM OF INTERSECTION. USE 25 FOOT SPACING OUTSIDE OF THIS AREA.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 409	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 12
PLOT DATE : 7/15/2025 5:20 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ESTR
DO NOT ENTER

ESTR
SPEED LIMIT 35

ESTR
WRONG WAY

ESTR
CITY OF RACINE RESIDENTIAL DROP OFF

ESTR
ONE WAY

W10-2L

R3-2
24"X24"

16TH ST R/L

16TH ST

STH 31 R/L

STH 31

ASPHALT

CONCRETE RUMBLE STRIP

CONCRETE RUMBLE

LANDSCAPED AREA

172+00 173+00 174+00 175+00 176+00 177+00

71+00

11+00

ESTR
BEGIN LEFT TURN LANE

ESTR
NORTH 31

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

MATCH LINE 171+50

MATCH LINE 177+50

SHEET 95 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 410 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:20 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ESTR
WRONG WAY

ESTR
LEFT LANE CLOSED AHEAD
W20.5A

ESTR
BEGIN LEFT TURN LANE

ESTR
16th St
NEXT SIGNAL

ESTR

ESTR
ROAD WORK AHEAD
W20.1A

ESTR
STOP

HORIZON BLVD R/L

HORIZON BLVD

9+00

PCMS

10'
11'
11'

STH 31 R/L

STH 31

178+00
179+00
180+00
181+00
182+00
183+00

11'
11'
10'

ASPHALT
SIGN
LANDSCAPED AREA
CABC
STRIP
POST
FO
G-W
SS
SAN
W
G
T
OH
GUY

ESTR
SPEED LIMIT 35

ESTR
Wright Ave
NEXT SIGNAL

INSTALL TRAFFIC CONTROL SIGNS PCMS WITH 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 4

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	LANES SHIFT LEFT

MATCH LINE 177+50

SHEET 96 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 411	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:20 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 351+25

2

ESTR WRONG WAY REMOVE

ESTR WEST 11

ESTR STOP

ESTR

ESTR DO NOT ENTER

12'

12'

346+00 347+00 348+00 349+00 350+00 351+00

STH 11 R/L

STH 11

12'

12'

15'

ESTR Hwy 32 Downtown Green Bay Rd NEXT SIGNAL

ESTR STOP

ROAD WORK AHEAD

ESTR JCT 31

ESTR

ESTR NORTH SOUTH 31 31 SECOND LEFT

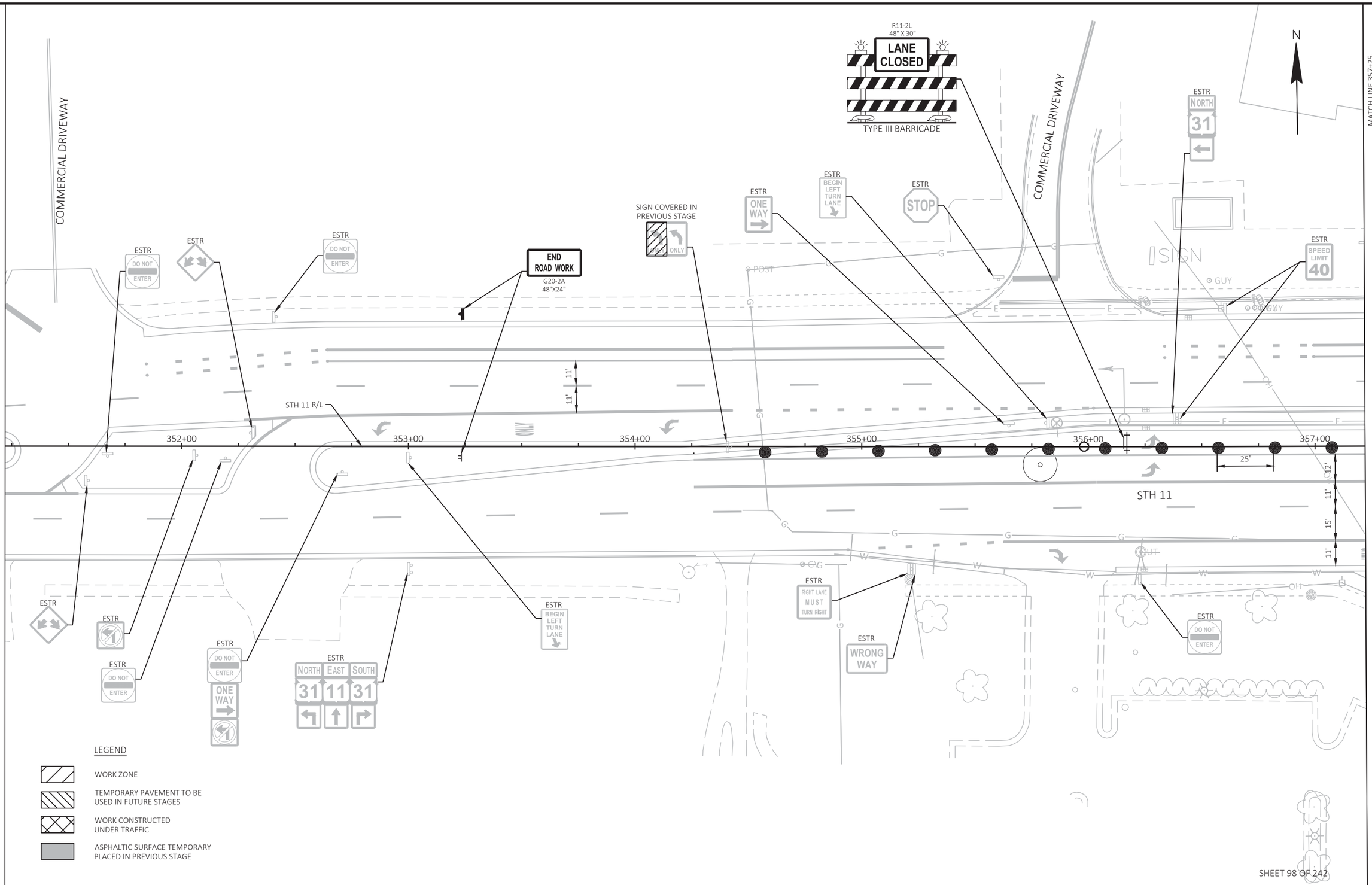
SHEET 97 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 412	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 22

PLOT DATE : 7/15/2025 5:20 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 413	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 23

PLOT DATE : 7/15/2025 5:20 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 366+75

MATCH LINE 360+75

ESTR
NORTH
31

COVERING SIGN
TYPE II
ONLY

ESTR
BEGIN
LEFT
TURN
LANE

ESTR
BEGIN
RIGHT
TURN
LANE

ESTR
SOUTH NORTH
31 31

ESTR
STOP
DIVIDED
HIGHWAY

ESTR

ESTR
ONE
WAY

ESTR
DO NOT
ENTER

COMMERCIAL DRIVEWAY

15'
11'
11'
11'

TY6

STH 11

361+00
362+00
363+00
364+00
365+00
366+00

11'

STH 11 R/L

11'
11'

STH 11

Ex. Bus

OH

GUY

SIGN

SIGN

SIGN

ESTR
CURB
LANE
BUSES
BICYCLES AND
RIGHT TURNS
ONLY

ESTR
DO NOT
ENTER

ESTR
SPEED
LIMIT
40

ESTR
STOP
DIVIDED
HIGHWAY

ESTR
ONE
WAY

END
ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE
CLOSED

TYPE III BARRICADE

ELMWOOD DRIVE

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE
USED IN FUTURE STAGES

WORK CONSTRUCTED
UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY
PLACED IN PREVIOUS STAGE

SHEET 99 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 414	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 24

PLOT DATE : 7/15/2025 5:21 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ESTR

ALTERNATE SOUTH INTERSTATE 41 SECOND LEFT
ALTERNATE EAST INTERSTATE 94 SECOND LEFT
ALTERNATE NORTH INTERSTATE 41
ALTERNATE WEST INTERSTATE 94

ESTR BEGIN RIGHT TURN LANE

ESTR

ESTR BEGIN LEFT TURN LANE

ESTR JCT 31

ROAD WORK AHEAD W20-1A

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR

STH 11

11'
11'
12'
11'
11'

STH 11 R/L

367+00 368+00 369+00 370+00 371+00 372+00

ESTR

ESTR

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR BEGIN LEFT TURN LANE

ESTR Racine

ESTR SPEED LIMIT 40

ESTR DO NOT ENTER

MATCH LINE 366+75

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 100 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 4A-4B-4C	SHEET 415	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026007-S4A-4B.DWG
LAYOUT NAME - 25

PLOT DATE : 7/15/2025 5:21 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

MATCH LINE 123+50

MATCH LINE STA 117+50

MATCH LINE 360+75

STH 11

STH 31

STH 31 R/L

STH 11 R/L

118+00 119+00 120+00 121+00 122+00 123+00

358+00

359+00

+31 124' LT

+54 25' LT

+05 19' LT

+00

TW6

6' TEMPORARY PEDESTRIAN BARRICADE

SB TRUCKS NO RIGHT TURN CONSTRUCT REMAINING SLABS USING HES CONCRETE PAVEMENT

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

CONCRETE WALK

ASPHALT

Kenosha 7

Timber Dr NEXT SIGNAL

WO1-6 48"X24"

WO12-1D 24"X24"

M4-9BR 30"X24"

M4-9BL 30"X24"

R9-9 24"X12"

M4-4 24"X12"

R3-1 24"X24"

M3-2 24"X12"

M3-4 24"X12"

M1-6 24"X24"

M6-1 21"X21"

M3-1 24"X12"

ESTR SOUTH 31

ESTR WEST 11

ESTR EAST 11

ESTR ONE WAY

ESTR DO NOT ENTER

ESTR DIVIDED HIGHWAY

ESTR YIELD

SHEET 101 OF 242

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

TRAFFIC CONTROL NOTES - STAGE 5

CONSTRUCTION:

- CONSTRUCT STH 31 MEDIAN.

TRAFFIC:

- STH 31 - 2 THRU LANES IN EACH DIRECTION
- PROVIDE LEFT TURN LANES AT EACH SIGNALIZED INTERSECTION. EXISTING LEFT TURN LANES TO BE CLOSED DURING OFF PEAK HOURS TO COMPLETE CONSTRUCTION OF MEDIAN WORK WITHIN CLEAR ZONE OF LEFT TURN LANE.
- NON-SIGNALIZED INTERSECTIONS WILL BE RIGHT IN/RIGHT OUT

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ESTR STOP DIVIDED HIGHWAY

ESTR DEAD END

ESTR DO NOT ENTER

ESTR Green Ridge Dr

ESTR WRONG WAY

GREEN RIDGE DR

STH 31

12' 12' 12'

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR 5 CALENDAR DAYS AFTER THE START OF STAGE 5.

PCMS

PCMS

102+00 103+00 104+00 105+00

ESTR

ESTR

12' 12' 12'

25'

ESTR ONE WAY

ESTR SPEED LIMIT 35

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

350' 350' 350' 245' MERGE TAPER

ROAD WORK AHEAD W20-3A

LEFT LANE CLOSED AHEAD W20-5SA

W04-2L

MATCH LINE 105+50

2

SHEET 102 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 417	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 5:22 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

MATCH LINE 111+50

2

ESTR
SPEED LIMIT 35

ESTR
STOP
DIVIDED HIGHWAY

ESTR
ONE WAY

LARCHMONT DR

STH 31

12'
12'
12'

ESTR

ESTR

106+00 107+00 108+00 109+00 110+00 111+00

STH 31 R/L

25'

12'
12'

25'

ESTR
Larchmont Dr

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO12-1D
24"X24"

ESTR
JCT
11

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
ONE WAY

245'
MERGE
TAPER

MATCH LINE 105+50

SHEET 103 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 418	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 02

PLOT DATE : 7/15/2025 5:22 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE STA 117+50

2

ESTR
DO NOT ENTER

ESTR
Larchmont Dr

END ROAD WORK
G20-2A
48"X24"

ESTR
SPEED LIMIT 35

ESTR
ADOPT A HIGHWAY
THE HOME DEPOT
STORE # 4026
RACINE WI

STH 31

12'
12'
12'

112+00 113+00 114+00 115+00 116+00 117+00

25'

12'
12'

11'
11'

ESTR

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
WEST NORTH EAST
11 31 11
Durand Ave
NEXT SIGNAL

WO12-1D
48"X48"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
EAST
11

G
ØGV
OH

MATCH LINE 111+50

SHEET 104 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 419	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 03

PLOT DATE : 7/15/2025 5:22 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

MATCH LINE 123+50

MATCH LINE STA 117+50

MATCH LINE 360+75

ESTR SOUTH 31 — Kenosha 7

ESTR WEST 11

ESTR EAST 11

ESTR ONE WAY

ESTR DIVIDED HIGHWAY

ESTR DO NOT ENTER

ESTR YIELD

ESTR NORTH 31

WRONG WAY
R5-1A
36"X24"

M3-2 24"X12" EAST
M3-4 24"X12" WEST
M1-6 24"X24" 11 11 M1-6 24"X24"
M6-1 21"X21" M6-1 21"X21"

M3-1 24"X12" NORTH
M1-6 24"X24" 31

R4-7 24"X30"

WO1-6 48" X 24"

TYPE III BARRICADE

Timber Dr
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

STH 31

STH 31 R/L

STH 11

STH 11 R/L

+60 23' LT

+75 39' LT

+78 29' LT

+80 19' LT

+85 21' RT

+39 58' RT

+29 28' RT

R135'

358+00

359+00

360+00

118+00 119+00 120+00 121+00 122+00 123+00

TW TA TWL TW10 TY6

P

SIGN

CONCRETE WALK

ASPHALT

SHEET 105 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A	SHEET 420	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 5:22 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 5A1/5B1	STAGE 5A2/5B2
TIMBER DR - OPEN	TIMBER DR - CLOSED
REGENCY WEST - CLOSED	REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - CLOSED	REGENCY POINT ENTRANCE - OPEN
21ST STREET - OPEN	21ST STREET - CLOSED

M3-2 24"X12" EAST | M3-3 24"X12" SOUTH | M3-4 24"X12" WEST
M1-6 24"X24" | 11 | 31 | 11 | M1-6 24"X24" M1-6 24"X24"
M5-1L 21"X21" | M6-1 21"X21" | M5-1R 21"X21"

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

Durand Ave
NEXT SIGNAL

WO1-6 48" X 24"
TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

SEE NOTE 1

ONE WAY
R6-2L 24"X30"

BEGIN LEFT TURN LANE
R3-20L 24"X36"

TIMBER DR
ONLY | ONLY | ONLY
11.5' | 11.5' | 11.5' | 11' | 10.5'

TIMBER R/L

END ROAD WORK
G20-2A 48"X24"

DO NOT ENTER
R5-1 30"X30"

SEE NOTE 2

SEE NOTE 4

SEE NOTE 3

STH 31

ASPHALT

CONCRETE RUMBLE STRIP

STH 31 R/L

TWL | TW | TW10 | TA | TXW | TY6

+06 47' LT
+01 26' LT
+01 16' LT
+67 26' LT
+82 26' LT
+89 26' LT
+79 10' LT
R65'
+01 24' LT
+01 14' LT
+91 13' LT
R15'
R22'
+79 18' RT
+90 18' RT
+96 17' RT
R4-7 24"X30"
+76 17' RT
R70'
+91 24' RT
+97 26' RT
+14 28' RT

125+00 | 126+00 | 127+00 | 128+00 | 129+00

10' | 11' | 25'

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

SPEED LIMIT 35
R2-1 24"X30"

WRONG WAY
R5-1A 36"X24"

REGENCY MALL SOUTH DWY R/L

REGENCY MALL SOUTH DWY

10' | 10' | 11' | 11'

Regency West Dr
NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
2. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 SO THAT ONE IS OPEN AT ALL TIMES. SEE CONSTRUCTION DETAIL FOR CROSSWALK CLOSURE.
3. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TURN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT TURN LANE CLOSURE.
4. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A	SHEET 421	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 05
PLOT DATE : 7/15/2025 5:22 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 5A1/5B1
TIMBER DR - OPEN
REGENCY WEST - CLOSED
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 5A2/5B2
TIMBER DR - CLOSED
REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

N

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

REGENCY WEST DR

REGENCY WEST DR R/L

SEE NOTE 1

ONE WAY R6-2L 24"X30"

WRONG WAY R5-1A 36"X24"

BEGIN LEFT TURN LANE R3-20L 24"X36"

M2-1 21"X15" JCT M1-6 24"X24" 11

Timber Dr NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

WO1-6 48" X 24"

TYPE III BARRICADE

STH 31

ASPHALT

CONCRETE RUMBLE STRIP

STH 31 R/L

SEE NOTE 3

TEMPORARY PEDESTRIAN BARRICADES

TEMPORARY PEDESTRIAN BARRICADE

SEE NOTE 2

SEE NOTE 4

R11-2L 48" X 30" LANE CLOSED

DO NOT ENTER R5-1 30"X30"

REGENCY MALL NORTH DWY

REGENCY MALL NORTH DWY R/L

SIGN 11+00

LANDSCAPED AREA

POST

MATCH LINE 135+50

MATCH LINE 129+50

NOTES:

1. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
2. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 SO THAT ONE IS OPEN AT ALL TIMES. SEE MEDIAN SIDEWALK CLOSURE DETAIL FOR CROSSWALK CLOSURE.
3. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETE SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TURN LANE IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.
4. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.

SHEET 107 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 422	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 06

PLOT DATE : 7/15/2025 5:22 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 5A1/5B1
TIMBER DR - OPEN
REGENCY WEST - CLOSED
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 5A2/5B2
TIMBER DR - CLOSED
REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
Regency West Dr
NEXT SIGNAL

DO NOT ENTER
R5-1
30"X30"

WRONG WAY
R5-1A
36"X24"

WO1-6
48" X 24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

REGENCY POINT ENTRANCE R/L
SEE NOTE 1

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 141+50

STH 31

136+00 137+00 138+00 139+00 140+00 141+00

+54 24' LT
+54 14' LT
TA
TW
TW10
TY6
+04 24' LT
+04 14' LT
+84 24' LT
+95 24' LT
R100'
+21 21' LT
+27 19' LT
+46 10' LT
+37 14' LT
+45 14' LT
R60'
R95'
+85 28' RT
+31 17' RT
R65'
+44 13' RT
R13
R15'
+29 15' RT
R120'
+46 22' RT
11' 11' 10'
10' 10' 10'
25'

ONE WAY
R6-2L
24"X30"

R4-7
24"X30"

SEE NOTE 2
SEE NOTE 3
SEE NOTE 4

STH 31 R/L

CONCRETE RUMBLE STRIP

ASPHALT
LANDSCAPED AREA
POST
P

WO1-6
48" X 24"

WRONG WAY
R5-1A
36"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED

DO NOT ENTER
R5-1
30"X30"

TYPE III BARRICADE

HIGH POINT ENTRANCE R/L
SEE NOTE 1

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

HIGH RIDGE ENTRANCE
16' 21'

MATCH LINE 135+50

NOTES:
1. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
2. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 SO THAT ONE IS OPEN AT ALL TIMES. SEE MEDIAN SIDEWALK CLOSURE DETAIL FOR CROSSWALK CLOSURE.
3. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TUN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.
4. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 423	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 07
PLOT DATE : 7/15/2025 5:23 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 147+50

DO NOT ENTER
R5-1
30"X30"

WRONG WAY
R5-1A
36"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

SPEED LIMIT 35
R2-1
24"X30"

M3-3
24"X12"
M1-6
24"X24"
SOUTH
31

STH 31

P
TA
TW
TW10
TY6
ASPHALT
+55
24' LT
+55
14' LT
11'
11'
10'
25'
+98
24' LT
+98
14' LT
+78
24' LT
25'
STH 31 R/L
142+00
143+00
144+00
145+00
146+00
147+00
SEE NOTE 1
R120'
+52
24' RT
+84
28' RT
TY6
25'
10'
11'
11'
SEE NOTE 1

ONE WAY
R6-2L
24"X30"

SPEED LIMIT 35
R2-1
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WRONG WAY
R5-1A
36"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

NOTES:
1. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TUN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.

MATCH LINE 141+50

SHEET 109 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 424	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:23 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PLACE SIGN 200FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

WO1-6 48" X 24"

TYPE III BARRICADE

21ST ST

21ST ST R/L

SEE NOTE 2

ONE WAY R6-2L 24"X30"

END ROAD WORK G20-2A 48"X24"

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 5A1/5B1
TIMBER DR - OPEN
REGENCY WEST - CLOSED
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 5A2/5B2
TIMBER DR - CLOSED
REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
3. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 SO THAT ONE IS OPEN AT ALL TIMES. SEE MEDIAN SIDEWALK CLOSURE DETAIL FOR CROSSWALK CLOSURE.
4. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TUN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.
5. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

21st St NEXT SIGNAL

MATCH LINE 153+50

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

DO NOT ENTER R5-1 30"X30"

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

CITY OF RACINE RESIDENTIAL DROP OFF

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

WRONG WAY R5-1A 36"X24"

STH 31

STH 31 R/L

SEE NOTE 1

SEE NOTE 3

SEE NOTE 4

SEE NOTE 5

R400'

R60'

R12'

R110'

148+00

149+00

150+00

151+00

152+00

153+00

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

DO NOT ENTER R5-1 30"X30"

ONE WAY R6-2L 24"X30"

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

R3-2 24"X24"

CITY OF RACINE RESIDENTIAL DROP OFF

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.

R4-7 24"X30"

21ST ST R/L

END ROAD WORK G20-2A 48"X24"

PLACE SIGN 200FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

WO1-6 48" X 24"

TYPE III BARRICADE

MATCH LINE 147+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 110 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 425	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:23 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

W03-3

BEGIN LEFT TURN LANE R3-20L 24"X36"

ONE WAY R6-2R 24"X30"

JOANNE DR

JOANNE DR R/L

SEE NOTE 2

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

TEMPORARY STORM SEWER PLACED IN PREVIOUS STAGE

SEE NOTE 4

SPEED LIMIT 35 R2-1 24"X30"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

MARGERY DR

MARGERY DR R/L

END ROAD WORK G20-2A 48"X24"

SEE NOTE 2

DO NOT ENTER R5-1 30"X30"

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R3-2 24"X24"

MATCH LINE 159+50

TW6

TWL

TY6

PERMANENT C&G

ASPHALTIC CURB

SEE NOTE 1

SEE NOTE 3

STH 31

STH 31 R/L

8:1 TAPER

+54 24' LT

+54 14' LT

+34 24' LT

+88 14' LT

+19 3' RT

25'

11'

154+00

155+00

156+00

157+00

158+00

159+00

R3-2 24"X24"

SPEED LIMIT 35 R2-1 24"X30"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R3-2 24"X24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

MATCH LINE 153+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
3. PLACE TYPE S INLET COVER ON PROPOSED INLET PLACED IN PREVIOUS STAGE. PROVIDE ADJUSTMENT RINGS WITH A 2'X'2 RECTANGULAR OPENING.
4. REMOVE AND SALVAGE INLET CASTING. REINSTALL INLET CASTING IN STAGE 8.

SHEET 111 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 426	E

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL TO 10 FEET FROM 50 FEET SOUTH OF CASTLE CT TO 50 FEET UPSTREAM OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKINGS ON SIDEROADS WAS PLACED IN PREVIOUS STAGE.
3. INSTALL INLET GRATE TYPE S TO BE USED OVER WINTER.
4. REMOVE COVER PLATE TEMPORARY. REINSTALL EXISTING INLET COVER SALVAGED IN STAGE 1 FOR USE OVER WINTER.
5. BACKFILL MEDIAN WITH NATIVE MATERIAL AND SALVAGED TOPSOIL (INCIDENTAL TO CONSTRUCTION). INSTALL TEMPORARY SEED.

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

GREENLEAF BLVD R/L
GREENLEAF BLVD
9+00
SEE NOTE 2

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R1-1
30"X30"
STOP
R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ONE WAY
R6-2R
24"X30"

R3-2
24"X24"

MATCH LINE 165+50

18' TEMPORARY PEDESTRIAN BARRICADE
SIDEWALK CLOSED
R9-9
24"X12"
WRONG WAY
R5-1A
36"X24"

TW6
TWL
TY6
11'
11'
25'

SEE NOTE 5
STH 31
SEE NOTE 1
ASPHALTIC CURB
SEE NOTE 4
160+00
161+00
162+00
163+00
164+00
165+00
STH 31 R/L
ASPHALTIC CURB
ADJUST MANHOLE COVER
ASPHALT
SEE NOTE 1
Y6
SEE NOTE 5

MATCH LINE 159+50
SEE NOTE 3
11'
11'
25'
SEE NOTE 4
TEMPORARY INLET INSTALLED IN STAGE 1 ADJUST INLET COVER TO ASPHALTIC CURB.
TEMPORARY STORM SEWER CONNECTION INSTALLED IN STAGE 1
SIDEWALK CLOSED
R9-9
24"X12"
18' TEMPORARY PEDESTRIAN BARRICADE
R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE
R3-2
24"X24"
ONE WAY
R6-2R
24"X30"
NO OUTLET
W14-2
30"X30"
11+00
CONCRETE
CASTLE CT R/L
CASTLE CT
SEE NOTE 2
PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
R1-1
30"X30"
STOP
R6-1R
36"X12"
ONE WAY
R3-2
24"X24"
R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
ONE WAY
R6-2R
24"X30"

SHEET 112 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 427	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 11
PLOT DATE : 7/16/2025 4:41 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET SOUTH OF CASTLE CT TO 50 FEET UPSTREAM OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.
2. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
3. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
4. REINSTALL SALVAGED INLET COVER SALVAGED IN STAGE 1.
5. ADJUST INLET COVER TO MATCH ASPHALTIC CURB
6. BACKFILL MEDIAN WITH NATIVE MATERIAL AND SALVAGED TOPSOIL (INCIDENTAL TO CONSTRUCTION). INSTALL TEMPORARY SEED.

2

2

MATCH LINE 171+50

MATCH LINE 165+50

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

SUNSET BLVD

SUNSET BLVD R/L

9+00

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R1-1
30"X30"
STOP

R6-1R
36"X12"
ONE WAY

R3-2
24"X24"

SEE NOTE 3

SEE NOTE 4

SEE NOTE 1

SEE NOTE 6

SEE NOTE 5

R6-2R
24"X30"
ONE WAY

R9-11AL
24"X12"
WORK ZONE CLOSED CROSS HERE

ASPHALTIC CURB

166+00

167+00

168+00

169+00

170+00

171+00

STH 31

STH 31 R/L

245' MERGE TAPER

25'

11'

10'

10:1 TAPER

+50
22' RT

+50
10' RT

Y6

SPEED LIMIT
35
R2-1
24"X30"

CONCRETE

ASPHALT

11+00

BYRD AVE

BYRD AVE R/L

SEE NOTE 3

FLAG

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ESTR

16th St
NEXT SIGNAL

LINCOLN VILLAGE DR

LINCOLN VILLAGE R/L

SEE NOTE 3

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 113 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 428	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 12

PLOT DATE : 7/16/2025 4:42 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ESTR
CITY OF RACINE
RESIDENTIAL DROP OFF

ONE WAY
R6-2L
24"X30"

W04-2L

16TH ST R/L

SPEED LIMIT 35

R3-2
24"X24"

ESTR
DO NOT ENTER

ESTR
WRONG WAY

STH 31

SEE NOTE 1

STH 31 R/L

ESTR
WRONG WAY

END ROAD WORK
G20-2A
48"X24"

ESTR
DO NOT ENTER

ESTR

SEE NOTE 2

16TH ST R/L

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ESTR
DO NOT ENTER

ESTR
NORTH 31

ESTR
ONE WAY

MATCH LINE 171+50

MATCH LINE 177+50

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.

SHEET 114 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 429	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:24 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
3. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TUN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

SEE NOTE 2

HORIZON BLVD

HORIZON BLVD R/L

ESTR 16th St NEXT SIGNAL

ESTR

LEFT LANE CLOSED AHEAD W20-5A

ROAD WORK AHEAD W20-1A

ESTR WRONG WAY

ESTR STOP

STH 31

STH 31 R/L

PCMS

10'
11'
11'

11'
11'
10'

178+00 179+00 180+00 181+00 182+00 183+00 9+00

ESTR SIGN LANDSCAPED AREA

ESTR ONE WAY

ESTR SPEED LIMIT 35

ESTR Wright Ave NEXT SIGNAL

INSTALL TRAFFIC CONTROL SIGNS PCMS WITH 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 5

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 177+50

SHEET 115 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 430	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:24 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 351+25

2

ESTR WRONG WAY REMOVE

ESTR WEST 11

ESTR STOP

ESTR

ESTR DO NOT ENTER

12'

12'

346+00 347+00 348+00 349+00 350+00 351+00

STH 11 R/L

STH 11

12'

12'

15'

ESTR Hwy 32 Downtown Green Bay Rd NEXT SIGNAL

ESTR STOP

ROAD WORK AHEAD

ESTR JCT 31

ESTR NORTH 31 SOUTH 31 SECOND LEFT

ESTR

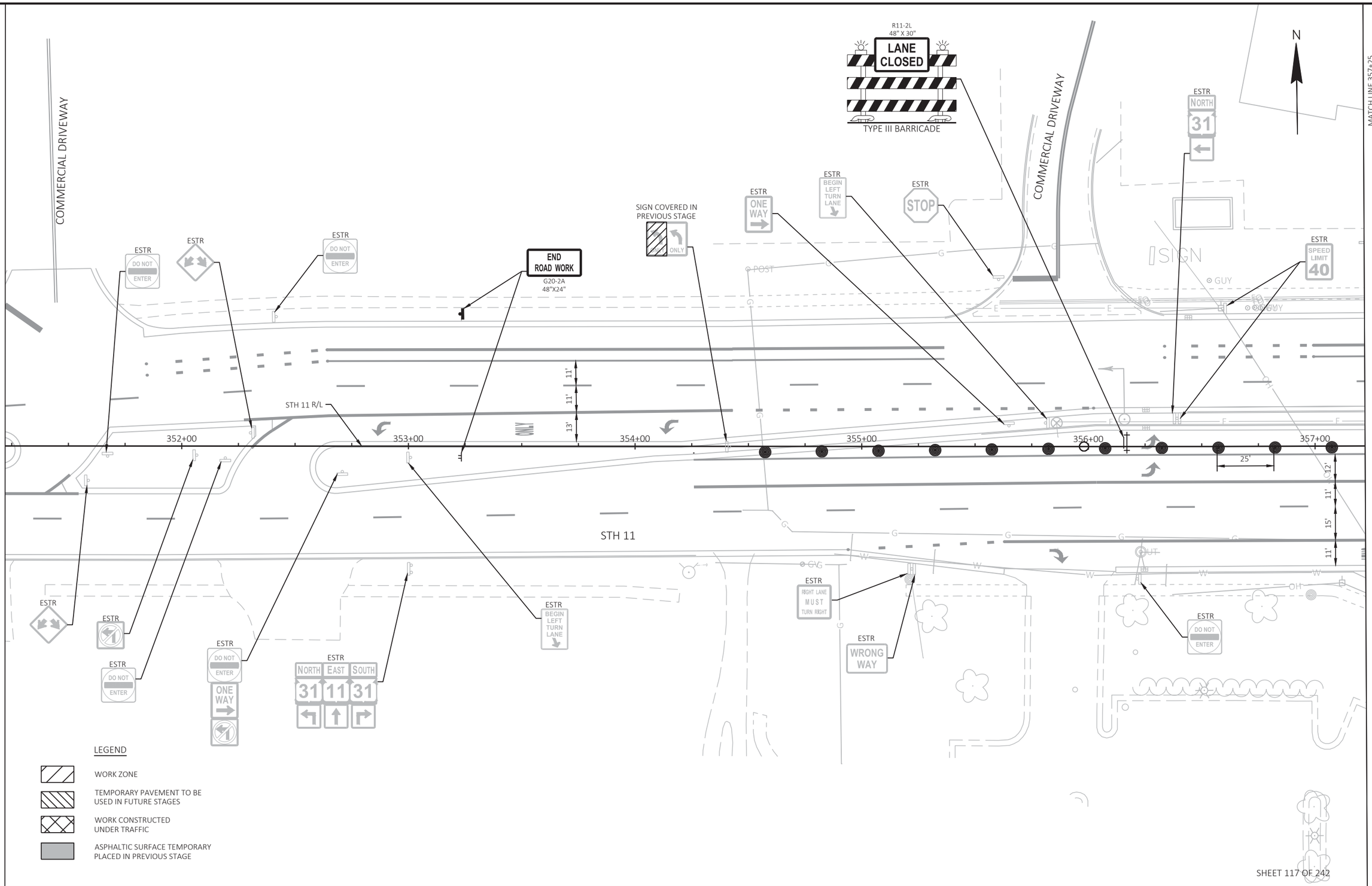
SHEET 116 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 431	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 22

PLOT DATE : 7/15/2025 5:24 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



SHEET 117 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 432	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 23

PLOT DATE : 7/15/2025 5:24 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 366+75

2

ESTR NORTH 31

ESTR ONLY ONLY

ESTR BEGIN LEFT TURN LANE

ESTR BEGIN RIGHT TURN LANE

ESTR SOUTH NORTH 31 31

ESTR STOP DIVIDED HIGHWAY

ESTR

ESTR ONE WAY

ESTR DO NOT ENTER

COMMERCIAL DRIVEWAY

STH 11

15'

11'

11'

11'

11'

361+00

362+00

363+00

364+00

365+00

366+00

STH 11 R/L

11'

11'

STH 11

SIGN

SIGN

SIGN

ESTR CURB LANE BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR DO NOT ENTER

ESTR SPEED LIMIT 40

ESTR STOP DIVIDED HIGHWAY

ESTR ONE WAY

END ROAD WORK
G20-2A
48"X24"

ELMWOOD DRIVE

MATCH LINE 360+75

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 118 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 433	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 24

PLOT DATE : 7/15/2025 5:24 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ESTR

ALTERNATE SOUTH INTERSTATE 41 SECOND LEFT
ALTERNATE EAST INTERSTATE 94 SECOND LEFT
ALTERNATE NORTH INTERSTATE 41
ALTERNATE WEST INTERSTATE 94

NORTH 31 M3-1 24"X12" M1-6 24"X24"

ROAD WORK AHEAD W20-1A

ESTR BEGIN RIGHT TURN LANE

ESTR

ESTR BEGIN LEFT TURN LANE

ESTR JCT 31

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR

STH 11

11'
11'
12'
12
11'
11'

367+00 368+00 369+00 370+00 371+00 372+00

STH 11 R/L

ESTR

ESTR

ESTR CURB LANE / BUSES BICYCLES AND RIGHT TURNS ONLY

ESTR BEGIN LEFT TURN LANE

ESTR Racine

ESTR SPEED LIMIT 40

ESTR DO NOT ENTER

MATCH LINE 366+75

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 119 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5A-5B	SHEET 434	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026009-S5A.DWG
LAYOUT NAME - 25

PLOT DATE : 7/15/2025 5:24 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 357+25

MATCH LINE 123+50

MATCH LINE STA 117+50

MATCH LINE 360+75

STH 31

STH 11

STH 31 R/L

STH 11 R/L

ESTR SOUTH 31

ESTR WEST 11

ESTR EAST 11

ESTR NORTH 31

ESTR ONE WAY

ESTR DIVIDED HIGHWAY

ESTR DO NOT ENTER

ESTR YIELD

M4-9BL 30"X24"

M4-9BR 30"X24"

R9-9 24"X12" SIDEWALK CLOSED DETOUR

R4-7 24"X30"

6' TEMPORARY PEDESTRIAN BARRICADE

6' TEMP PED BARRICADE

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R5-1A 36"X24" WRONG WAY

M3-2 24"X12" EAST

M3-4 24"X12" WEST

M1-6 24"X24" 11

M6-1 21"X21"

M3-1 24"X12" NORTH

M1-6 24"X24" 31

Timber Dr NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

WO1-6 48" X 24"

TYPE III BARRICADE

358+00

359+65

360+00

+60 23' LT

+02 8' LT

118+00 119+00 120+00 121+00 122+00 123+00

15' 11' 12' 11' 11' 11' 11' 11' 11' 11' 11' 11' 11' 11' 11' 11' 11' 11' 14' 13' 10' 25' 12'

TW10 ASPHALT CONCRETE WALK SIDEWALK SIGN POST GUY WV OH SS F W G E T

Kenosha 7

ONLY

P

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5B	SHEET 435	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026010-S5B.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 5:25 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

ALTERNATE CLOSURE OF INTERSECTIONS AS FOLLOWS:

STAGE 5A1/5B1
TIMBER DR - OPEN
REGENCY WEST - CLOSED
REGENCY POINT ENTRANCE - CLOSED
21ST STREET - OPEN

STAGE 5A2/5B2
TIMBER DR - CLOSED
REGENCY WEST - OPEN
REGENCY POINT ENTRANCE - OPEN
21ST STREET - CLOSED

N

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

M3-2 24"X12" | M3-3 24"X12" | M3-4 24"X12"
EAST | SOUTH | WEST
M1-6 24"X24" | 11 | 31 | 11 | M1-6 24"X24" | M1-6 24"X24"
M5-1L 21"X21" | M6-1 21"X21" | M5-1R 21"X21"

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
Durand Ave
NEXT SIGNAL

TIMBER DR
ONLY | ONLY | ONLY
11.5' | 11.5' | 11.5' | 11' | 10.5'
TIMBER DR R/L

END ROAD WORK
G20-2A
48"X24"

ONE WAY
R6-2L
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO1-6
48"X24"

+00
26' LT

+01
14' LT

TY6

TW10

+96
23' LT

STH 31 R/L

CONCRETE RUMBLE STRIP

25'

R4-7
24"X30"

R4-7
24"X30"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

DO NOT ENTER
R5-1
30"X30"

ASPHALT
STH 31

CONCRETE RUMBLE STRIP

ASPHALT

25'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

SPEED LIMIT 35
R2-1
24"X30"

WRONG WAY
R5-1A
36"X24"

DO NOT ENTER
R5-1
30"X30"

REGENCY MALL SOUTH DWY R/L

REGENCY MALL SOUTH DWY

ONLY | ONLY

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

ONE WAY
R6-2L
24"X30"

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

Regency West Dr
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 123+50

MATCH LINE 129+50

SHEET 121 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 5B	SHEET 436	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026010-S5B.DWG
LAYOUT NAME - 05
PLOT DATE : 7/15/2025 5:25 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

MATCH LINE 153+50

2

N

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) (12.5' LINE, 37.5' GAP)

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

SEE NOTE 1

PSIP ONE WAY

PSIP DO NOT ENTER

PSIP

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP CITY OF RACINE RESIDENTIAL DROP OFF

PSIP WRONG WAY

PSIP TURNING VEHICLES TO

PSIP SPEED LIMIT 35

21ST ST

STH 31

6+00

11+00

148+00

149+00

150+00

151+00

152+00

153+00

+74 6' LT

+39 14' LT

ASPHALT

CONCRETE

CONCRETE RUMBLE STRIP

CONCRETE WALK

POST

GUY

SAN

SS

OH

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) (12.5' LINE, 37.5' GAP)

SEE NOTE 1

NOTES:

1. PERMANENT PAVEMENT MARKINGS AND SIGNS TO BE USED ON STH 31 TO THE SOUTH OF 21ST ST. REFER TO PAVEMENT MARKING PLANS SHEETS FOR LAYOUT OF MARKINGS. PERMANENT SIGNS NOT SHOWN.

SHEET 122 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL STAGING - WINTER SHUT DOWN	SHEET 437	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\WINTER SHUT DOWN.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:26 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) (12.5' LINE, 37.5' GAP)

PSIP 21st ST NEXT SIGNAL

R4-7 24"X30"

R3-2 24"X24"

PSIP STOP RIGHT TURN ONLY

PSIP BEGIN LEFT TURN LANE

PSIP STOP RIGHT TURN ONLY

PSIP ONE WAY

PSIP

JOANNE DR 9+00

MARGERY DR 9+00

MATCH LINE 159+50

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP DO NOT ENTER

PSIP SPEED LIMIT 35

PSIP ONE WAY R6-2R 24"X30"

DO NOT ENTER R5-1 30"X30"

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP DO NOT ENTER

STH 31

ASPHALT

154+00 155+00 156+00 157+00 158+00 159+00

+36 14' LT

+53 14' LT

+37 10' LT

+51 14' RT

+74 6' RT

+67 14' RT

+76 14' RT

STH 31

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) (12.5' LINE, 37.5' GAP

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

SPEED LIMIT 35 R2-1 24"X30"

PSIP BEGIN LEFT TURN LANE

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

W5-53 6"X12" 2' MOUNTING HEIGHT

R4-7 24"X30"

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

PSIP

MATCH LINE 153+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 123 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL STAGING - WINTER SHUT DOWN	SHEET 438	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\WINTER SHUT DOWN.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2025 5:26 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

ESTR WRONG WAY

18' TEMPORARY PEDESTRIAN BARRICADE

SIDEWALK CLOSED R9-9 24"X12"

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) (12.5' LINE, 37.5' GAP)

ONE WAY R6-2L 24"X30"

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

ESTR STOP

ESTR ONE WAY

GREENLEAF BLVD

9+00

ASPHALT

MATCH LINE 165+50

STH 31

+50 14' LT

160+00

161+00

162+00

R4-7 24"X30"

+77 14' LT

+80 14' LT

163+00

164+00

165+00

+15 14' RT

+21 14' RT

ESTR SPEED LIMIT 35

18' TEMPORARY PEDESTRIAN BARRICADE

SIDEWALK CLOSED R9-9 24"X12"

WRONG WAY R5-1A 36"X24"

BEGIN LEFT TURN LANE R3-20L 24"X36"

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) (12.5' LINE, 37.5' GAP)

ESTR DO NOT ENTER

ESTR NO OUTLET

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

POST

SS

GV

WV

CONCRETE

11+00

CASTLE CT

ONE WAY R6-2R 24"X30"

ESTR STOP

ASPHALT

ASPH

CABC

SIGN

BEGIN LEFT TURN LANE R3-20L 24"X36"

SHEET 124 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL STAGING - WINTER SHUT DOWN	SHEET 439	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\WINTER SHUT DOWN.DWG
LAYOUT NAME - 11

PLOT DATE : 7/15/2025 5:26 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SUNSET BLVD

LINCOLN VILLAGE DR

STH 31

STH 31

166+00

167+00

168+00

169+00

170+00

171+00

9+00

9+00

11+00

BYRD AVE

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) (12.5' LINE, 37.5' GAP)

ESTR SPEED LIMIT 35

ESTR ONE WAY

ESTR STOP

ESTR DO NOT ENTER REMOVE

ESTR WRONG WAY

ESTR

SEE NOTE 1

R4-7 24"X30"

+36 19' LT

+90 19' LT

+87 30' LT

+99 11' RT

+62 10' RT

+00 20' RT

+40 8' RT

+06 9' RT

ESTR 16th St NEXT SIGNAL

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

SEE NOTE 1

ESTR SPEED LIMIT 35

ESTR WRONG WAY

ESTR DO NOT ENTER

ESTR STOP

TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)

LANDSCAPED AREA

CONCRETE

ASPHALT

MATCH LINE 165+50

NOTES:
1. EXISTING PAVEMENT MARKINGS AND SIGNS TO REMAIN ON STH 31 TO THE NORTH OF LINCOLN VILLAGE DR.

SHEET 125 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL STAGING - WINTER SHUT DOWN	SHEET 440	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\WINTER SHUT DOWN.DWG
LAYOUT NAME - 12

PLOT DATE : 7/15/2025 5:27 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

STH 31

STH 31 R/L

REGENCY POINT ENTRANCE

REGENCY POINT R/L

HIGH RIDGE R/L

HIGH RIDGE ENTRANCE

MATCH LINE 141+50

136+00 137+00 138+00 139+00 140+00 141+00

PSIP Regency West Dr NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

PSIP WRONG WAY

PSIP ONE WAY

PSIP DO NOT ENTER

PSIP SEMIS USE REGENCY WEST DRIVE

PSIP ROAD WORK AHEAD W20-1A

ASPHALT

CONCRETE RUMBLE STRIP

LANDSCAPED AREA

11' 11' 10'

10' 10'

11+00

21'

16'

SHEET 126 OF 242

2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 441	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 07

PLOT DATE : 7/15/2025 5:27 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 147+50

2

PSIP DO NOT ENTER

PSIP

PSIP WRONG WAY

PSIP BEGIN LEFT TURN LANE

PSIP SPEED LIMIT 35

PSIP SOUTH 31

ASPHALT

STH 31

STH 31 R/L

CONCRETE RUMBLE STRIP

11'
11'
10'

142+00
143+00
144+00
145+00
146+00
147+00

PCMS

10'
11'
11'

SEE NOTE 5

PSIP NORTH 31

PSIP SPEED LIMIT 35

PSIP 21st ST NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

W04-2L

PSIP WRONG WAY

PSIP

LEFT LANE CLOSED AHEAD W20-5SA

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 6

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
ROAD WORK BEGINS	XXXDAY XX/XX

MATCH LINE 141+50

SHEET 127 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 442	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:27 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 153+50

MATCH LINE 147+50

21ST ST

21ST ST R/L

STH 31

STH 31 R/L

PSIP ONE WAY

PSIP DO NOT ENTER

PSIP SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP CITY OF RACINE RESIDENTIAL DROP OFF

PSIP END ROAD WORK G20-2A 48"X24"

PSIP WRONG WAY

PSIP TURNING VEHICLES TO

PSIP SPEED LIMIT 35

148+00 149+00 150+00 151+00 152+00 153+00

9+00 11+00

+44 14' RT

+89 24' RT

TY6

25'

245' MERGE TAPER

10' 10' 12' 12' 11' 11' 12' 11' 11' 12' 11' 11' 10' 11' 11'

CONCRETE RUMBLE STRIP

ASPHALT

CONCRETE

CONCRETE WALK

POST

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 128 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 443	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:27 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

JOANNE DR

JOANNE DR R/L

PSIP 21st ST NEXT SIGNAL

ONE WAY R6-2R 24"X30"

PSIP STOP RIGHT TURN ONLY

PSIP BEGIN LEFT TURN LANE

PSIP ONE WAY

PSIP DO NOT ENTER

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

SPEED LIMIT 35 R2-1 24"X30"

PSIP SPEED LIMIT 35

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

MARGERY DR

MARGERY DR R/L

END ROAD WORK G20-2A 48"X24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP DO NOT ENTER

MATCH LINE 159+50

STH 31

SEE NOTE 3

+00 14' LT

100' TAPER

25'

+00 24' LT

11'

11'

SEE NOTE 1

R3-2 24"X24"

TY6

SEE NOTE 2

+44 2' LT

+46 14' RT

STH 31 R/L

SEE NOTE 1

SEE NOTE 2

+56 14' RT

TY6

R1518

TEMPORARY VANE DRAIN

154+00 155+00 156+00 157+00 158+00 159+00

9+00

9+00

PSIP BEGIN LEFT TURN LANE

COVER OR REMOVE INCIDENTAL TO TRAFFIC CONTROL

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R3-2 24"X24"

TEMPORARY STORM SEWER CONNECTION
INL = 733.00
DISCH = 731.29
SEPV

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

MATCH LINE 153+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET UPSTREAM TO 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING OUTSIDE OF THIS AREA.
2. REMOVE TYPE S INLET COVER. INLET TO REMAIN. COVER INLET WITH COVER PLATE TEMPORARY UNTIL LATER STAGE.
3. TEMPORARY STORM SEWER PLACED IN PREVIOUS STAGE. INLET COVERED WITH COVERED PLATE IN PREVIOUS STAGE. COVER PLATE TO REMAIN FOR THIS STAGE.

SHEET 129 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 444	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 10

PLOT DATE : 7/16/2025 8:33 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 159+50

MATCH LINE 165+50

STH 31

STH 31 R/L

GREENLEAF BLVD

GREENLEAF BLVD R/L

CASTLE CT

CASTLE CT R/L

9+00

11+00

160+00

161+00

162+00

163+00

164+00

165+00

ESTR WRONG WAY

18' TEMPORARY PEDESTRIAN BARRICADE

SIDEWALK CLOSED R9-9 24"X12"

TEMPORARY STORM SEWER CONNECTION INSTALLED IN STAGE 1

TEMPORARY INLET INSTALLED IN STAGE 1
ADJUST INLET COVER TO TEMPORARY PAVEMENT

TY6 +75 24' LT

Y6

25'

+29 0' LT

11'

11'

SEE NOTE 3

10'

SEE NOTE 1

+85 4' RT

+82 9' RT

+10 0' LT

SEE NOTE 1

SEE NOTE 2

ASPHALTIC CURB

SEE NOTE 3

TY6 +00 25' RT

25'

Y6

ESTR SPEED LIMIT 35

SIDEWALK CLOSED R9-9 24"X12"

18' TEMPORARY PEDESTRIAN BARRICADE

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R3-2 24"X24"

ESTR DO NOT ENTER

ESTR NO OUTLET

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ESTR STOP

R6-2R 24"X30" ONE WAY

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

ASPHALT

CABC

SIGN

NOTES:

1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. AJUST INLET COVER.
3. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FT FROM 50 FT UPSTREAM OF INTERSECTION TO 50 FT DOWNSTREAM OF INTERSECTION . USE 25 FT SPACING OUTSIDE OF INTERSECTION AREA.

SHEET 130 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 445	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 11

PLOT DATE : 7/15/2025 5:27 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

LINCOLN VILLAGE DR R/L

LINCOLN VILLAGE DR

MATCH LINE 171+50

SUNSET BLVD

SUNSET BLVD R/L

ESTR
SPEED LIMIT 35

R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

ESTR
STOP

ONE WAY
R6-2R
24"X30"

ESTR
DO NOT ENTER
REMOVE

R3-2
24"X24"

ESTR
WRONG WAY

ONE WAY
R6-2R
24"X30"

ESTR
STOP

R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

ESTR
SPEED LIMIT 35
R2-1
24"X30"

SEE NOTE 4
SEE NOTE 1
+39
4' LT
+52
2' LT
SEE NOTE 3
SEE NOTE 4
10'
25'
11'
11'
STH 31
Y6
SEE NOTE 4
10'
SEE NOTE 1
SEE NOTE 2
+90
6' LT
+66
1' LT
SEE NOTE 1
25'
SEE NOTE 4
10'

166+00
167+00
168+00
169+00
170+00
171+00

ASPHALTIC CURB
+68
5' LT
SEE NOTE 5
STH 31 R/L
SEE NOTE 2
+40
4' RT
SEE NOTE 1
Y6

R3-2
24"X24"

ONE WAY
R6-2R
24"X30"

SPEED LIMIT 35
R2-1
24"X30"

LANDSCAPED AREA

ESTR
WRONG WAY

ESTR
SPEED LIMIT 35

ESTR
DO NOT ENTER

ESTR
STOP

ONE WAY
R6-1R
36"X12"
R3-2
24"X24"

ESTR
16th St
NEXT SIGNAL

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR

W03-3

R3-2
24"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

11+00

BYRD AVE

BYRD AVE R/L

MATCH LINE 165+50

END ROAD WORK
G20-2A
48"X24"

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. REMOVE INLET COVER ADJUST INLET, AND INSTALL TYPE S INLET COVER. PROVIDE ADJUSTMENT RINGS WITH 2'X2' RECTANGULAR OPENING.
3. ADJUST INLET COVER TYPE S. WIDEN TEMPORARY PAVEMENT AT INLET TO PROVIDE PAVED SURFACE TO INLET.
4. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FT FROM 50 FT UPSTREAM OF INTERSECTION TO 50 FT DOWNSTREAM OF INTERSECTION. USE 25 FT SPACING OUTSIDE OF INTERSECTION AREA.
5. ADJUST MANHOLE COVER.

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 131 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 446	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 12
PLOT DATE : 7/15/2025 5:28 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE INLET COVER, ADJUST INLET, AND INSTALL TYPE S INLET COVER.
2. ADJUST MANHOLE COVER. CONNECT TEMPORARY STORM SEWER TO MANHOLE.
3. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO MILL OFF CONCRETE RUMBLE STRIPS AT START OF STAGE. SEE TYPICAL MEDIAN CLOSURE DETAIL AT INTERSECTIONS FOR TRAFFIC CONTROL DETAILS.
4. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FT FROM 50 FT UPSTREAM TO 50 FT DOWNSTREAM OF INTERSECTION. USE 25 FT SPACING OUTSIDE OF INTERSECTION AREA.
5. PLACE TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER PIPE.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 171+50

MATCH LINE 177+50

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

WO1-6
48" X 24"
TYPE III BARRICADE

MOVE EXISTING SIGN
CITY OF RACINE
RESIDENTIAL DROP OFF

ESTR
SPEED LIMIT 35
R2-1
24"X30"

ESTR
DO NOT ENTER

R3-2
24"X24"

ESTR
WRONG WAY

ONE WAY
R6-2L
24"X30"

TEMPORARY MANHOLE
TS1-19

TEMPORARY STORM SEWER CONNECTION

STH 31

STH 31 R/L

16TH ST

16TH ST R/L

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

ASPHALTIC CURB

TEMPORARY INLET
TS1-17

TEMPORARY INLET
TS1-19

TEMPORARY INLET
TS1-16

TEMP INLET 4
TS1-27

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R4-7
24"X30"

R115'

R55'

R60'

R100'

LANDSCAPED AREA

SIGN

ASPHALT

CONCRETE

SHEET 132 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 447	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:28 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 183+50

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

HORIZON BLVD R/L

HORIZON BLVD

ESTR
16th St
NEXT SIGNAL

ESTR
STOP

ESTR
WRONG WAY

ONE WAY
R6-2R
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

W3-3
36"X36"

R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

ESTR

SEE NOTE 4

ONE WAY
R6-2R
24"X30"

W10
+85
22' LT
+85
12' LT
+65
21' LT
Y6
A
8:1 TAPER
STH 31
STH 31 R/L
SEE NOTE 5
SEE NOTE 1
25'
10'
11'
11'
10'

178+00
179+00
180+00
181+00
182+00
183+00

ASPHALTIC CURB

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

TEMPORARY INLET
TS1-20

TEMPORARY STORM SEWER CONNECTION

TEMPORARY MANHOLE
TS1-21

SEE NOTE 6

R3-2
24"X24"

ONE WAY
R6-2R
24"X30"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"

SPEED LIMIT
35
R2-1
24"X30"

ESTR
SPEED LIMIT
35

ESTR
Wright Ave
NEXT SIGNAL

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. REMOVE MANHOLE COVER. RECONSTRUCT MANHOLE COVER WITH CONCRETE CAP WITH 2'X2' OPENING FOR TYPE S INLET. INSTALL TYPE S INLET CASTING.
3. EXISTING INLET TO REMAIN.
4. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FT FROM 50 FT UPSTREAM OF INTERSECTION TO 50 FT DOWNSTREAM OF INTERSECTION. USE 25 FT SPACING OUTSIDE OF INTERSECTION AREA.
5. CLOSE LEFT TURN LANE DURING OFF PEAK HOURS TO MILL OFF CONCRETE RUMBLE STRIPS. SEE TYPICAL MEDIAN CLOSURE DETAIL AT INTERSECTIONS FOR TRAFFIC CONTROL DETAILS.
6. PLACE TEMPORARY MANHOLE IN LINE WITH EXISTING STORM SEWER PIPE.

MATCH LINE 177+50

SHEET 133 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 448	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:28 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY
2. PLACE TEMPORARY INLET IN LINE WITH EXISTING STORM SEWER PIPE.
3. INSTALL TEMPORARY MANHOLE IN LINE WITH EXISTING STORM SEWER PIPE.
4. CONNECT TEMPORARY STORM SEWER TO EXISTING INLET.

MATCH LINE 183+50

MATCH LINE 189+50

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

N

R3-2 24"X24"

ESTR WRONG WAY

WO1-6 48" X 24"

TYPE III BARRICADE

ESTR ONE WAY

WRIGHT AVE

12' 12' 18'

ASPHALT

SIGN

LANDSCAPED AREA

GUY GUY GUY

STH 31

STH 31 R/L

Y6 25'

184+00 185+00 186+00 187+00 188+00 189+00

SEE NOTE 1

SEE NOTE 3

TEMPORARY MANHOLE TS1-23

TEMPORARY STORM SEWER CONNECTION

+45 12' LT

R70' +80 0' LT

R4-7 24"X30"

SB +82 11' LT

SEE NOTE 4

W10 A W

+61 0' LT R75'

+82 0' LT

+90 1' LT

+50 10' RT R5'

+49 18' RT R72'

+92 24' RT

+97 35' RT

+04 24' RT Y6

ASPHALTIC CURB

+81 19' RT

+60 11' RT

+01 20' RT

8:1 TAPER

+88 35' RT

+69 26' RT

+68 36' RT A

TEMPORARY INLET TS1-22

SEE NOTE 2

10' 11' 11'

ASPHALTIC CURB 25'

TEMPORARY INLET TS1-24

W10 W A

+55 27' RT

+55 23' RT

+71 25' RT

+80 23' RT

+93 8' RT

+92 16' RT R70'

R5' ASPHALT

+71 37' RT

SB

10+00

R4-7 24"X30"

TEMPORARY STORM SEWER CONNECTION

BEGIN LEFT TURN LANE R3-20L 24"X36"

WO3-3

ESTR WRONG WAY

ESTR

DO NOT ENTER R5-1 30"X30"

WRIGHT AVE R/L

WRIGHT AVE

11+00

ESTR ONE WAY

WO1-6 48" X 24"

TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

12' 12' 12'

END ROAD WORK G20-2A 48"X24"

ASPHALT

SHEET 134 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 449	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 15

PLOT DATE : 7/15/2025 5:28 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

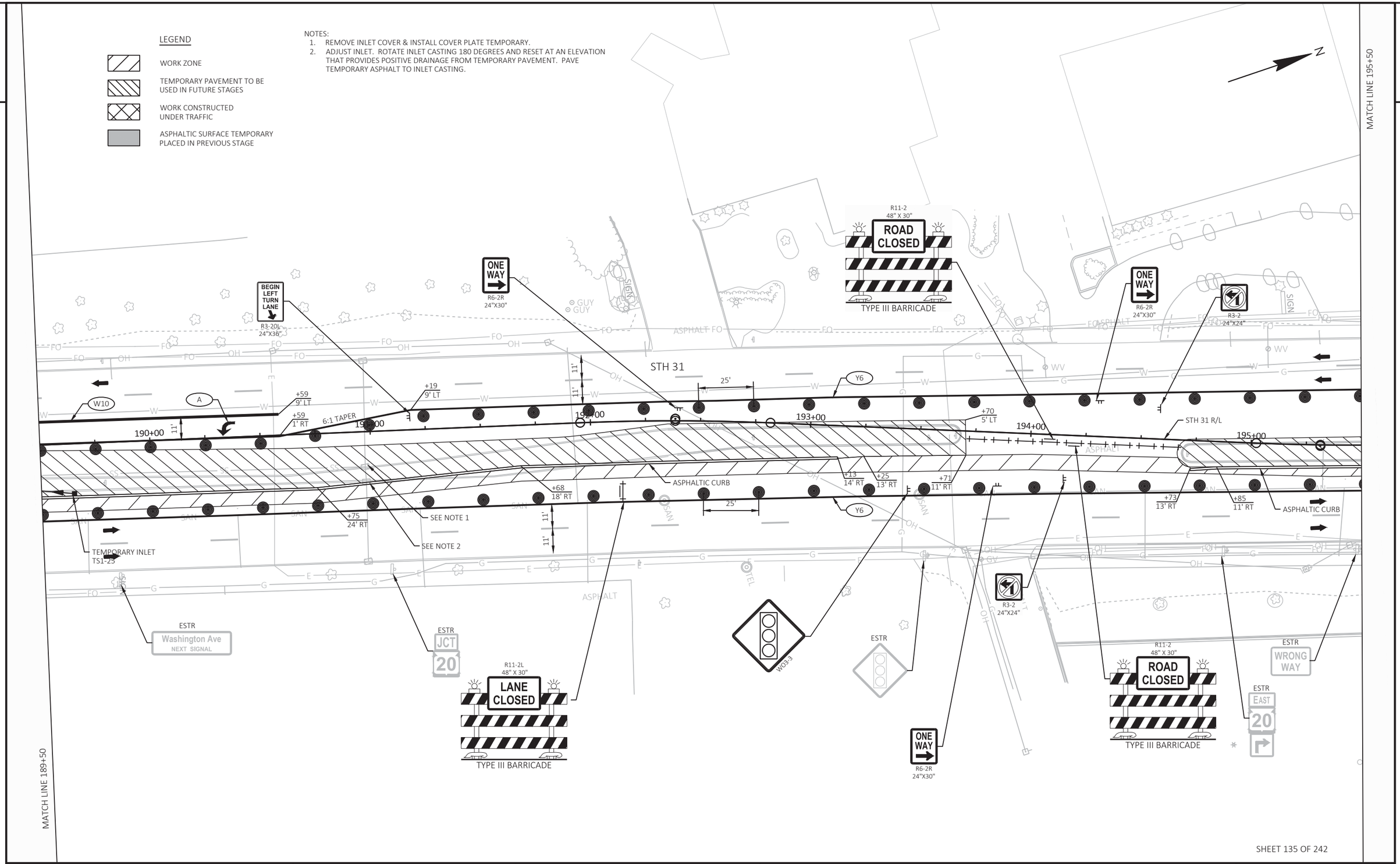
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.
2. ADJUST INLET. ROTATE INLET CASTING 180 DEGREES AND RESET AT AN ELEVATION THAT PROVIDES POSITIVE DRAINAGE FROM TEMPORARY PAVEMENT. PAVE TEMPORARY ASPHALT TO INLET CASTING.



SHEET 135 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 450	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 16

PLOT DATE : 7/15/2025 5:28 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY
2. CONNECT TEMPORARY STORM SEWER TO EXISTING INLET

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ONE WAY
R6-2R
24"X30"

WO1-6
48" X 24"
TYPE III BARRICADE

ONE WAY
R6-2R
24"X30"

SEE NOTE 1
SEE NOTE 2
STH 31
STH 31 R/L
Y6
25'
11'
11'
+58
9' RT
+70
9' RT
196+00
197+00
198+00
199+00
200+00
ASPHALTIC CURB
+47
10' RT
8:1 TAPER
+50
10' RT
+96
12' RT
+96
22' RT
+16
21' RT
TEMPORARY INLET
TS1-26
A
25'
10'
11'
11'
11'
Y6
W10
W
BEGIN LEFT TURN LANE
R3-20L
24"X36"
ONE WAY
R6-2R
24"X30"
TEMPORARY STORM SEWER CONNECTION
M3-4
24"X12"
WEST
M1-6
24"X24"
20
M5-1L
21"X21"
ESTR
H
ESTR
EAST
20
H
M3-4
24"X12"
WEST
M1-6
24"X24"
20
M6-1
21"X21"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 195+50

MATCH LINE STA 200+25

2

SHEET 136 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 451	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 17
PLOT DATE : 7/15/2025 5:28 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 384+75

STH 20

385+00

386+00

387+00

388+00

201+00

202+00

203+00

204+00

205+00

206+00

STH 31

STH 31 R/L

MATCH LINE 206+25

MATCH LINE STA 200+25

MATCH LINE 388+00

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO12-1D
24"X24"

ON OVERHEAD SIGN SUPPORT

ESTR
SOUTH 31

ESTR
WEST 20

ESTR
ONE WAY

ESTR
YIELD

ESTR
DO NOT ENTER

ESTR
ONLY

ESTR
EAST WEST 20 20

ESTR
NORTH 31

ESTR
SPEED LIMIT 35

ESTR
EAST 20

ESTR
BEGIN LEFT TURN LANE

ESTR
SPEED LIMIT 30

ESTR
WRONG WAY

END ROAD WORK
G20-2A
48"X24"

Y6 +35 25' LT
SEE NOTE 1
+55 14' LT
+82 17' LT
R4-7 24"X30"
+55 9' RT
+79 15' RT
Y6 +81 25' RT
A
W10
R135'
TYS +59 55' RT
+69 89' RT
TY6
+09 24' LT
+66 14' LT
TW10
+33 25' LT
+29 13' LT
TWS
+97 25' LT

10'
11'
11'
25'

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE INLET COVER & INSTALL COVER PLATE TEMPORARY.

SHEET 137 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 452	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:29 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

WO1-6 48" X 24"

TYPE III BARRICADE

ESTR JCT 20

BEGIN LEFT TURN LANE R3-20L 24"X36"

ESTR ONE WAY

ESTR

END ROAD WORK G20-2A 48"X24"

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

N

NEWMAN RD

ONLY

ONLY

ONLY

MATCH LINE 212+25

MATCH LINE 206+25

+26 13' LT

TY6

+19 25' LT

25'

11'

11'

+62 25' LT

+12 25' LT

TW10

25'

11'

11'

207+00

208+00

209+00

210+00

211+00

212+00

11'

11'

11'

10'

11'

11'

11'

10'

STH 31 R/L

STH 31

ESTR BEGIN LEFT TURN LANE

ESTR DO NOT ENTER

ESTR

ESTR ONE WAY

RIPRAP

WALLS

WALLS

GUY

OH

POST

SAN

SIGN

W

SHEET 138 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 453	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 19

PLOT DATE : 7/15/2025 5:29 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 218+25

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS ON BOTH SIDES OF SOUTHBOUND STH 31 FOR 5 CALENDAR DAYS IN ADVANCE OF LANE CLOSURE. REMOVE AFTER LANE CLOSURE IS IN PLACE

WO12-1D
24"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR

ESTR
SPEED LIMIT 35

245' MERGE TAPER

ESTR
Newman Rd
NEXT SIGNAL

PCMS

11'
11'

25'

+89
25' LT

TY6

+53
25' LT

TW10

+58
14' LT

+71
14' LT

+71
25' LT

213+00 214+00 215+00 216+00 217+00 218+00

STH 31 R/L

STH 31

11'
11'
10'

ESTR
SPEED LIMIT 35

ESTR
SPEED LIMIT 35

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

A/C

ANT.

MATCH LINE 212+25

ROAD WORK BEGINS

XXXXDAY
XX/XX

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 139 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 454	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 20

PLOT DATE : 7/15/2025 5:29 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

245' MERGE TAPER

350'

W04-2L

350'

LEFT LANE CLOSED AHEAD

W20-5A

350'

ROAD WORK AHEAD

W20-1A

ESTR ONE WAY

ESTR ONE WAY

ESTR

+34
14' LT

TY6

219+00

220+00

221+00

10'
11'
11'
11'

STH 31 R/L

ESTR

ESTR

ESTR

11'
11'
10'

STH 31

ESTR DO NOT ENTER

KINZIE AVE

ESTR STOP DIVIDED HIGHWAY

ESTR STOP

MATCH LINE 218+25

SHEET 140 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 455	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 21

PLOT DATE : 7/15/2025 5:29 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 384+75

MATCH LINE 378+75

ESTR
NORTH EAST SOUTH
31 20 31

ESTR
BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

ESTR

ESTR
Mount Pleasant
POPULATION 26,197

ESTR
NORTH
31

ON OVERHEAD SIGN SUPPORT
ESTR ONLY
ESTR ONLY

ESTR
SPEED LIMIT
35

STH 20

12'
12'
12'

379+00
380+00
381+00
382+00
383+00
384+00

STH 20 R/L

10'
11'
11'
11'
10'

ESTR
NORTH SOUTH
31 31

M3-3
24"X12"
SOUTH
M1-6
24"X24"
31

ROAD WORK AHEAD
W20-1A

FOUND

U/C

ESTR
EAST
20

ESTR
BEGIN LEFT TURN LANE

ESTR
ONE WAY

ESTR
Racine
Milwaukee
Kenosha

ESTR
WRONG WAY

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 141 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 456	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:29 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 388+00

N

PLACE SIGN AT
STA 397+00
M3-3
24"X12"
SOUTH
31
M1-6
24"X24"
ROAD
WORK
AHEAD
W20-1A

ESTR
WEST NORTH
20 31

ESTR
NORTH
31

ESTR

ESTR
BEGIN
LEFT
TURN
LANE

ESTR
SOUTH NORTH
31 31

FLAG

10'
11'
11'
11'
11'

+78
15' LT

+49
15' LT

+49
4' LT

TY6

TW10

25'

388+00

389+00

390+00

391+00

392+00

393+00

394+00

STH 20 R/L

STH 20

12'
12'
12'

ESTR
ONE
WAY

ESTR
ONE
WAY

END
ROAD WORK
G20-2A
48"X24"

ESTR
TRUCK

FLAG

CANOPY

ESTR

R11-2L
48" X 30"
LANE
CLOSED
TYPE III BARRICADE

ESTR
SOUTH
31

ESTR
ONLY
ONLY

ON OVERHEAD SIGN
SUPPORT
COVERING SIGNS TYPE II

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE
USED IN FUTURE STAGES

WORK CONSTRUCTED
UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY
PLACED IN PREVIOUS STAGE

SHEET 142 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 6	SHEET 457	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026011-S6.DWG
LAYOUT NAME - 29

PLOT DATE : 7/15/2025 5:29 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

STH 31

REGENCY POINT ENTRANCE

REGENCY POINT R/L

HIGH RIDGE R/L

HIGH RIDGE ENTRANCE

MATCH LINE 141+50

MATCH LINE 135+50

136+00 137+00 138+00 139+00 140+00 141+00

STH 31 R/L

11' 11' 10'

10' 11' 11'

10' 10'

PSIP Regency West Dr NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

PSIP WRONG WAY

PSIP DO NOT ENTER

PSIP ONE WAY

PSIP SEMIS USE REGENCY WEST DRIVE

PSIP ROAD WORK AHEAD W20-1A

ASPHALT

CONCRETE RUMBLE STRIP

LANDSCAPED AREA

SHEET 143 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 458	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 07

PLOT DATE : 7/15/2025 5:30 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 147+50

2

PSIP DO NOT ENTER

PSIP

PSIP WRONG WAY

PSIP BEGIN LEFT TURN LANE

PSIP SPEED LIMIT 35

PSIP SOUTH 31

ASPHALT

STH 31

STH 31 R/L

CONCRETE RUMBLE STRIP

11'
11'
10'

142+00 143+00 144+00 145+00 146+00 147+00

PCMS

10'
11'
11'

PSIP NORTH 31

PSIP SPEED LIMIT 35

PSIP 21st ST NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

W04-2L

PSIP WRONG WAY

PSIP

LEFT LANE CLOSED AHEAD W20-5SA

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 7

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	LANES SHIFT LEFT

MATCH LINE 141+50

SHEET 144 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 459	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:30 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 153+50

MATCH LINE 147+50

21ST ST

21ST ST R/L

STH 31

STH 31 R/L

148+00

149+00

150+00

151+00

152+00

153+00

9+00

11+00

PSIP ONE WAY

PSIP DO NOT ENTER

PSIP CITY OF RACINE RESIDENTIAL DROP OFF

PSIP SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP END ROAD WORK G20-2A 48"X24"

PSIP WRONG WAY

PSIP TURNING VEHICLES TO

PSIP W01-4BR

PSIP SPEED LIMIT 35

10' 10'

12' 12' 11'

11' 12'

11' 11' 10'

25'

245' MERGE TAPER

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 145 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 460	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:30 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

JOANNE DR R/L

PSIP 21st ST NEXT SIGNAL

ONE WAY R6-2R 24"X30"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

MARGERY DR R/L

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

MATCH LINE 159+50

2

PSIP STOP RIGHT TURN ONLY

PSIP BEGIN LEFT TURN LANE

PSIP ONE WAY

JOANNE DR

9+00

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP DO NOT ENTER

SPEED LIMIT 35 R2-1 24"X30"

PSIP SPEED LIMIT 35

PSIP STOP RIGHT TURN ONLY

MARGERY DR

9+00

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

DO NOT ENTER

STH 31

100' TAPER

SEE NOTE 4

SEE NOTE 3

ASPHALT

11'

11'

154+00

155+00

156+00

157+00

158+00

159+00

STH 31 R/L

+40 24' RT

+40 35' RT

+40 46' RT

+56 7' RT

+58 18' RT

+59 29' RT

+64 11' LT

+66 0' RT

+67 11' RT

25'

R1500'

R1511'

R1522'

TW6

TY6

MAINTAIN ACCESS TO WE ENERGIES PARCEL AT ALL TIMES

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP

PSIP BEGIN LEFT TURN LANE

COVER OR REMOVE INCIDENTAL TO TRAFFIC CONTROL

R3-2 24"X24"

WO1-6 48" X 24" TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

MATCH LINE 153+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REMOVE EXISTING INLET.
2. MAINTAIN PEDESTRIAN ACCESS ALONG SHARED USE PATH AT ALL TIMES. SEE STAGE 7 TEMPORARY PEDESTRIAN ACCOMMODATION PLANS FOR ADDITIONAL DETAILS.
3. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FEET DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FEET SPACING IN OTHER AREAS.
4. TEMPORARY STORM SEWER PLACED IN PREVIOUS STAGE TO REMAIN. COVER PLATE INSTALLED IN PREVIOUS STAGE TO REMAIN.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 461	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 10
PLOT DATE : 7/16/2025 8:40 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

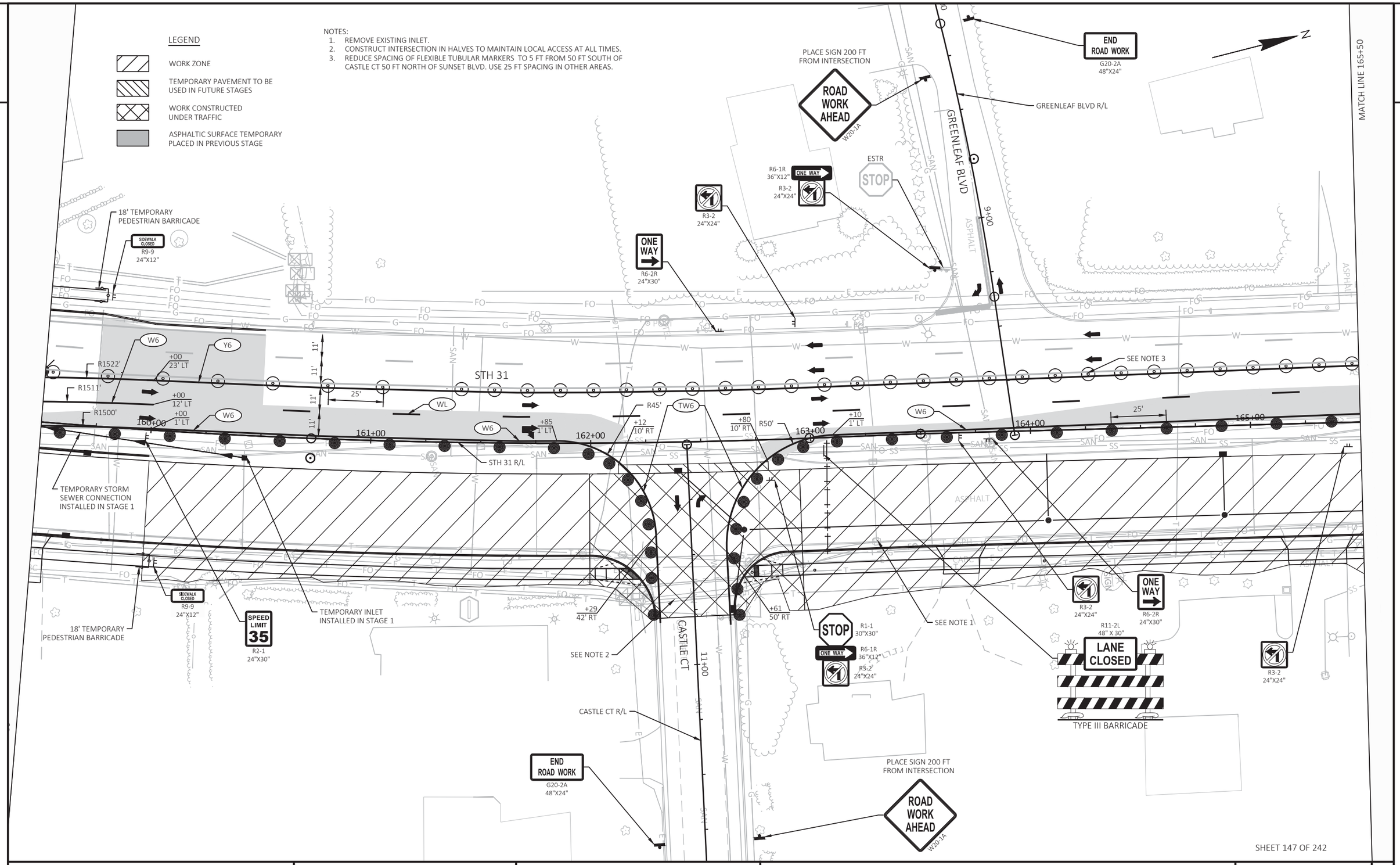
LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. CONSTRUCT INTERSECTION IN HALVES TO MAINTAIN LOCAL ACCESS AT ALL TIMES.
3. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FT FROM 50 FT SOUTH OF CASTLE CT 50 FT NORTH OF SUNSET BLVD. USE 25 FT SPACING IN OTHER AREAS.

MATCH LINE 165+50

2



SHEET 147 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 462	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 11

PLOT DATE : 7/16/2025 12:13 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE EXISTING INLET.
2. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION .
3. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FT FROM 50 FT UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FT DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FT SPACING IN OTHER AREAS.
4. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FT FROM 50 FT SOUTH OF CASTLE CT TO 50 FT NORTH OF SUNSET BLVD. USE 25 FT SPACING IN OTHER AREAS.

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD W20-1A
END ROAD WORK G20-2A 48"X24"
ESTR STOP
SUNSET BLVD
SUNSET BLVD R/L
ESTR SPEED LIMIT 35
R6-1R 36"X12" ONE WAY
R3-2 24"X24"
SEE NOTE 4
STH 31
LINCOLN VILLAGE DR
LINCOLN VILLAGE DR R/L
ONE WAY R6-2R 24"X30"
SEE NOTE 3
MATCH LINE 171+50
MATCH LINE 165+50
166+00 167+00 168+00 169+00 170+00 171+00 9+00 11+00
Y6 WL W6 TW6
+39 5' LT
R42' +70 10' RT
R50' +33 10' RT
+81 36' RT
+68 6' LT
+91 29' LT
+90 7' LT
5' 25'
11' 11' 11' 11'
STH 31 R/L
BYRD AVE
BYRD AVE R/L
SPEED LIMIT 35 R2-1 24"X30"
R3-2 24"X24"
SIDEWALK CLOSED R9-9 24"X12"
6' TEMPORARY PEDESTRIAN BARRICADE
+18 45' RT
STOP R1-1 30"X30"
R6-1R 36"X12" ONE WAY
R3-2 24"X24"
SIDEWALK CLOSED R9-9 24"X12"
SEE NOTE 1
SEE NOTE 2
TEMPORARY MANHOLE TS2-1 CONNECT EXISTING STORM SEWER TO PROPOSED STORM SEWER INSTALLED DURING STAGE 7
R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
16th St NEXT SIGNAL
W03-3
W01-4BL
** PLACE SIGNS AT BECKER DRIVE
END ROAD WORK G20-2A 48"X24"
SIDEWALK CLOSED AHEAD R9-9A 30"X18"
ROAD WORK AHEAD W20-1A

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 148 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 463	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 12
PLOT DATE : 7/15/2025 5:31 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. ALTERNATE CLOSURE WITH WRIGHT AVENUE.
3. REDUCE SPACING OF FLEXIBLE TUBULAR MAKERS TO 5 FT FROM 50 FT UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FT DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25' SPACING IN OTHER AREAS.
4. CLOSE EASTBOUND THROUGH LANE USING SIDEROAD THROUGH LANE CLOSURE DETAIL WHEN 21ST STREET IS CLOSED.

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

16TH ST
16TH ST R/L

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
SPEED LIMIT 35

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
CITY OF RACINE
RESIDENTIAL DROP OFF

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

SEE NOTE 4
SEE NOTE 3
SEE NOTE 1
SEE NOTE 2

STH 31
STH 31 R/L

LANDSCAPED AREA
CONCRETE RUMBLE STRIP

TEMPORARY PEDESTRIAN BARRICADE
R5-2
24"X24"

M3-1
24"X12"
M1-6
24"X24"
NORTH
31

MATCH LINE 171+50
MATCH LINE 177+50

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 464	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:31 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

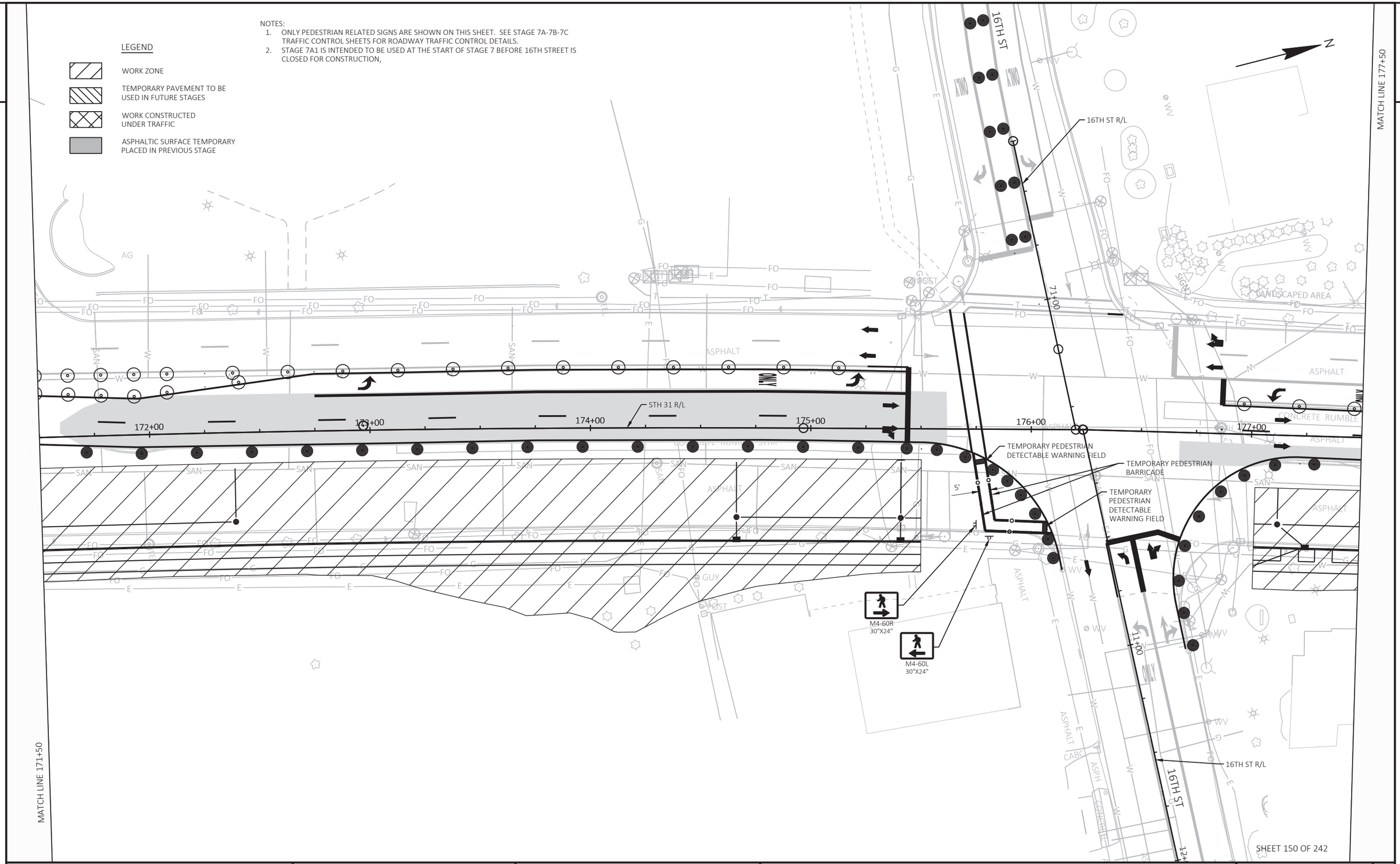
WISDOT/CADDS SHEET 42

2

NOTES:
1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 7A-7B-7C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 7A1 IS INTENDED TO BE USED AT THE START OF STAGE 7 BEFORE 16TH STREET IS CLOSED FOR CONSTRUCTION,

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 7A1	SHEET 465	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012A-S7A1-PED.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:32 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

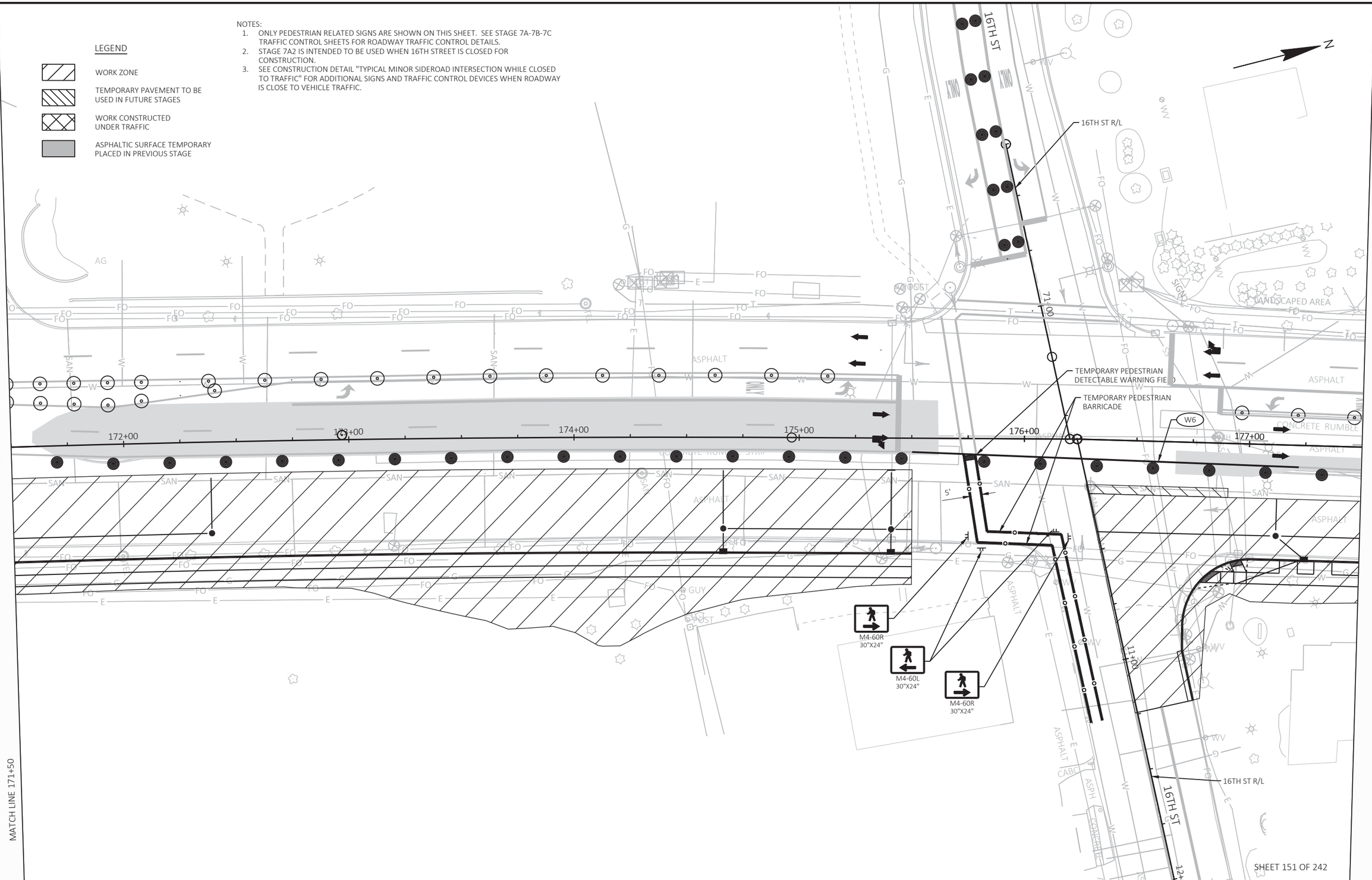
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 7A-7B-7C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 7A2 IS INTENDED TO BE USED WHEN 16TH STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.



SHEET 151 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 7A2	SHEET 466 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012A-S7A2-PED.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:32 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

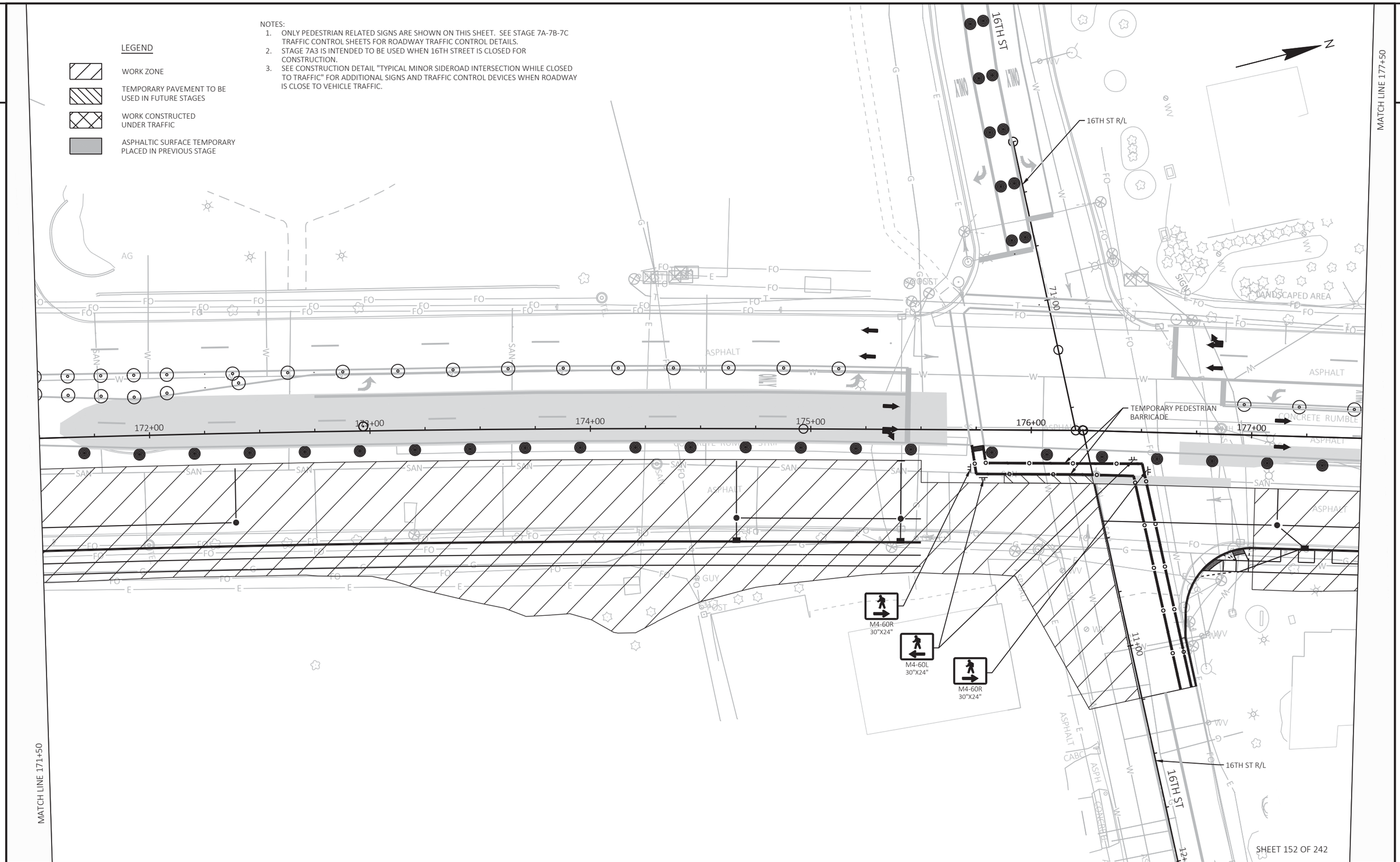
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 7A-7B-7C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 7A3 IS INTENDED TO BE USED WHEN 16TH STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.



SHEET 152 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 7A3	SHEET 467 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012A-S7A3-PED.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:33 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

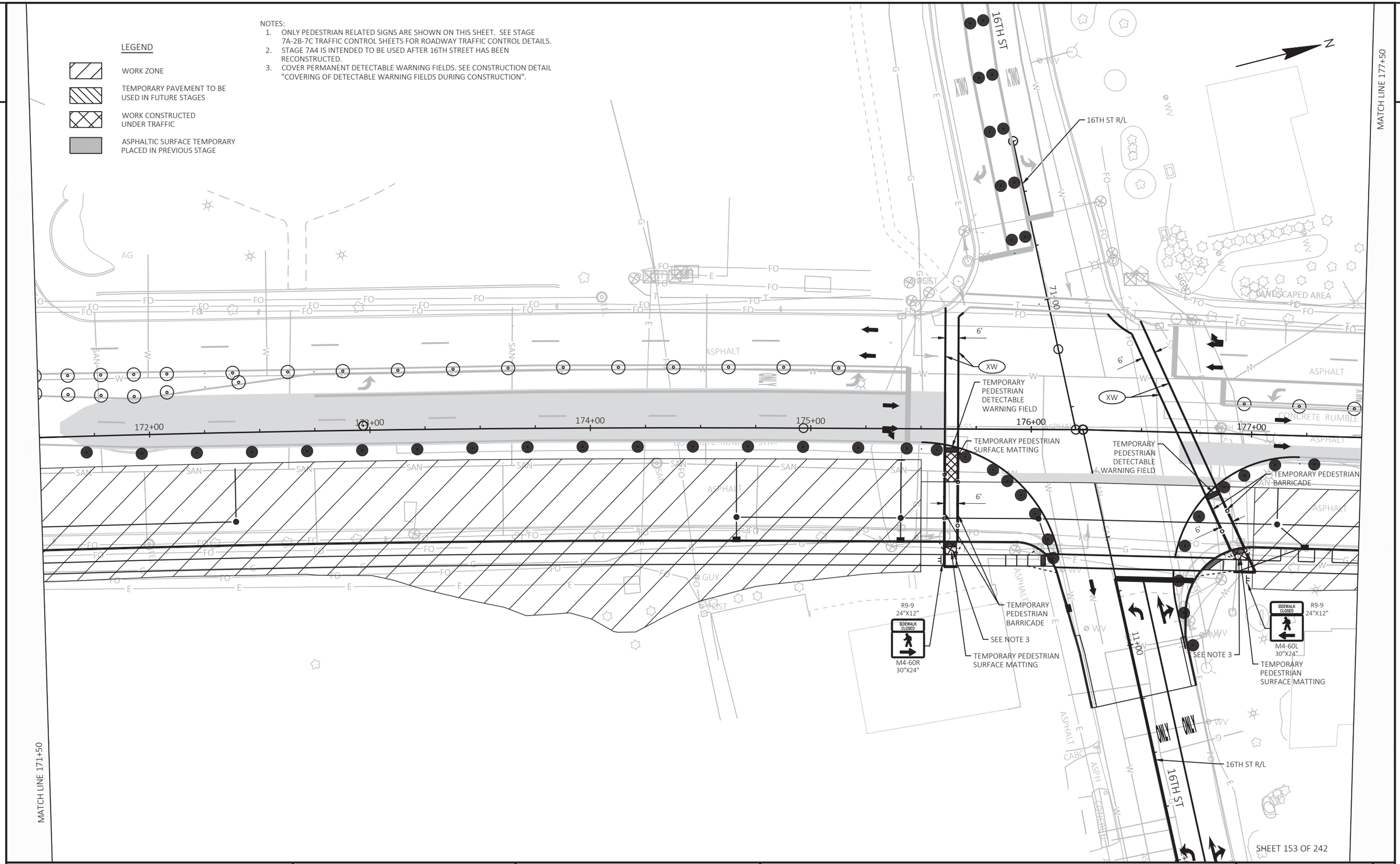
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 7A-2B-7C TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 7A4 IS INTENDED TO BE USED AFTER 16TH STREET HAS BEEN RECONSTRUCTED.
3. COVER PERMANENT DETECTABLE WARNING FIELDS. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION".



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 7A4	SHEET 468	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012A-S7A4-PED.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:34 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE EXISTING INLET.
2. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FT FROM 50 FT UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. DRIVEWAY TO 50 FT DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FT SPACING IN OTHER AREAS.

MATCH LINE 177+50

MATCH LINE 183+50

W2-1AL

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

BEGIN LEFT TURN LANE R3-20L 24"X36"

ONE WAY R6-2R 24"X30"

ESTR 16th St NEXT SIGNAL

ESTR

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

HORIZON BLVD R/L

HORIZON BLVD

END ROAD WORK G20-2A 48"X24"

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

ESTR STOP

9+00

W

Y6

11' 11' 10' 11' 11'

+85 10' LT

+85 1' RT

+85 12' RT

178+00

179+00

WL

W6

180+00

181+00

182+00

183+00

+50 16' LT

+50 5' LT

+50 6' RT

STH 31

STH 31 R/L

SEE NOTE 2

25'

+38 13' LT

+37 2' LT

+37 9' RT

SEE NOTE 2

CONCRETE COLLAR

SEE NOTE 1

TEMPORARY STORM SEWER 18-INCH INL = 722.18 DISCH = 721.89

CONNECT TEMPORARY STORM SEWER TO PROPOSED MANHOLE

ONE WAY R6-2R 24"X30"

TEMPORARY STORM SEWER 24-INCH INL = 721.23 DISCH = 721.00

CONCRETE COLLAR REQUIRED

R3-2 24"X24"

W01-6 48" X 24"

TYPE III BARRICADE

SEE NOTE1

R3-2 24"X24"

R3-2 24"X24"

SPEED LIMIT 35 R2-1 24"X30"

ONE WAY R6-2R 24"X30"

Wright Ave NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

R3-2 24"X24"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 154 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 469	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:34 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

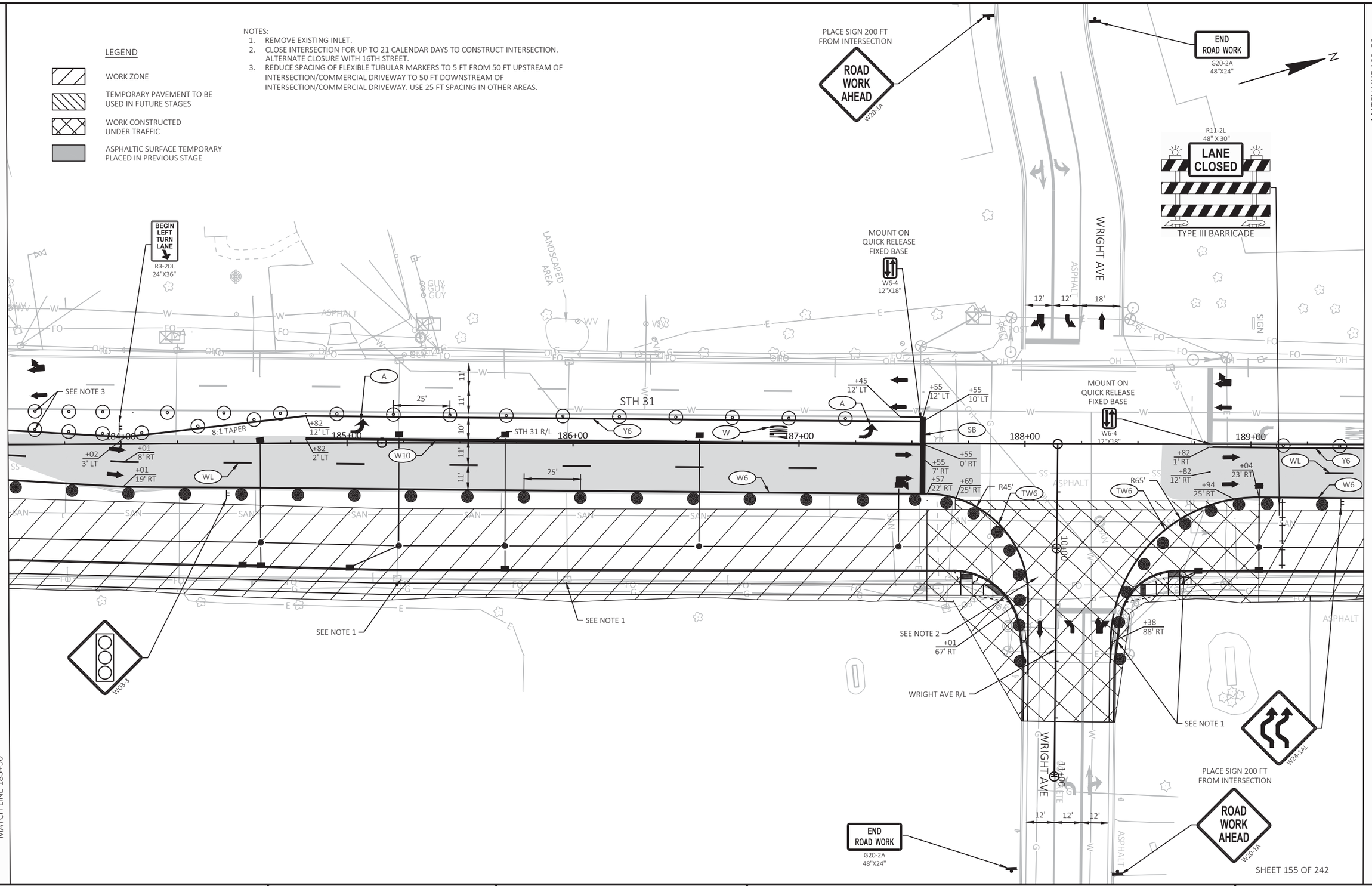
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. ALTERNATE CLOSURE WITH 16TH STREET.
3. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FT FROM 50 FT UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FT DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FT SPACING IN OTHER AREAS.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 470	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 15
PLOT DATE : 7/15/2025 5:35 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REMOVE EXISTING INLET.
2. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FT FROM 50 FT UPSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY TO 50 FT DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FT SPACING IN OTHER AREAS.

MATCH LINE 195+50

2

N

STH 31

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R3-2
24"X24"

R3-2
24"X24"

ONE WAY
R6-2R
24"X30"

190+00
191+00
192+00
193+00
194+00
195+00

+59 3' RT
+59 14' RT
+59 25' RT
+67 5' LT
+67 6' RT
+68 17' RT
+00 3' LT
+00 14' LT
+01 8' RT

11'
11'
11'
10'

25'
25'

W6
WL
Y6
W6
WL

SEE NOTE 2

STH 31 R/L

SEE NOTE 1

Washington Ave
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

JCT
20
M2-1
21"X15"
M1-6
24"X24"

ONE WAY
R6-2R
24"X30"

WO3-3

WO1-6
48" X 24"
TYPE III BARRICADE

R3-2
24"X24"

ONE WAY
R6-2R
24"X30"

M3-4
24"X12"
M1-6
24"X24"
M5-1L
21"X21"
WEST
20
EAST
20
M3-2
24"X12"
M1-6
24"X24"
M5-1R
21"X21"

ASPHALT

MATCH LINE 189+50

SHEET 156 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 471	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 16

PLOT DATE : 7/15/2025 5:35 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES
1. REMOVE EXISTING INLET.
2. REMOVE EXISTING MANHOLE.
3. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FT FROM 50 FT UPSTREAM OF INTERSECTION/ COMMERCIAL DRIVEWAY TO 50 FT DOWNSTREAM OF INTERSECTION/COMMERCIAL DRIVEWAY. USE 25 FT SPACING IN OTHER AREAS.

MATCH LINE STA 200+25

MATCH LINE 195+50

BEGIN LEFT TURN LANE
R3-20L 24"X36"

R3-2 24"X24"

ONE WAY
R6-2R 24"X30"

R3-2 24"X24"

STH 31

SEE NOTE 3

8:1 TAPER

25'

+10 13' LT

+10 2' LT

+10 9' RT

+70 23' LT

+70 2' LT

+97 13' LT

+97 2' LT

+97 9' RT

196+00

197+00

198+00

199+00

200+00

STH 31 R/L

11'

10'

WL

W10

W

W6

Y6

A

R1500'

SEE NOTE 2

SEE NOTE 1

D9-2 24"X24"

MB6-2 21"X21"

R3-2 24"X24"

ONE WAY
R6-2R 24"X30"

W01-4BR

M3-4 24"X12"

WEST EAST

20 20

M3-2 24"X12"

M1-6 24"X24"

M1-6 24"X24"

M6-1 21"X21"

M6-1 21"X21"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 157 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 472	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 17

PLOT DATE : 7/15/2025 5:35 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 384+75

MATCH LINE 206+25

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO12-1D
24"X24"

ON OVERHEAD SIGN SUPPORT

ESTR SOUTH 31

ESTR WEST 20

ESTR ONE WAY

ESTR YIELD

ESTR EAST WEST 20 20

ESTR ONLY ONLY

STH 20

STH 31

MOUNT ON QUICK RELEASE FIXED BASE

W6-4
12"X18"

ESTR DO NOT ENTER

ESTR ONE WAY

ESTR NORTH 31

ESTR SPEED LIMIT 35

ESTR EAST 20

ESTR BEGIN LEFT TURN LANE

ESTR WRONG WAY

END ROAD WORK
G20-2A
48"X24"

WO1-6
48" X 24"
TYPE III BARRICADE

COVERING SIGNS TYPE II

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

SEE NOTE 1

TWT

TYS

TW6

TY6

R55'

R90'

R45'

R1500'

201+00 202+00 203+00 204+00 205+00 206+00

385+00 386+00 387+00 388+00

+30 54' LT
+85 24' LT
+39 84' LT
+35 23' LT
+35 13' LT
+52 6' LT
+75 3' LT
+74 8' RT
+73 19' RT
+51 5' RT
+85 23' RT
+92 28' RT
+50 16' RT
+69 18' RT
+08 53' RT
+08 22' RT
+14 22' RT
+64 28' RT
+65 17' RT
+89 24' RT
+93 12' RT
+22 36' RT

11' 11' 11' 11' 10' 10'

25'

MATCH LINE STA 200+25

MATCH LINE 388+00

NOTES:
1. COVER EXISTING DETECTABLE WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 158 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B	SHEET 473	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:35 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

W01-6
48" X 24"
TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
JCT 20

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR
ONE WAY

ESTR

NEWMAN RD

ONLY

25'

11'

10'

207+00 208+00 209+00 210+00 211+00 212+00

STH 31 R/L

STH 31

ESTR
BEGIN LEFT TURN LANE

ESTR
DO NOT ENTER

ESTR
ONE WAY

RIPRAP

WALLS

MATCH LINE 206+25

MATCH LINE 212+25

SHEET 159 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 474	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 19

PLOT DATE : 7/15/2025 5:35 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 218+25

2

N

WO12-1D
24"X24"

BEGIN
LEFT
TURN
LANE

R3-20L
24"X36"

ESTR

ESTR
SPEED
LIMIT
35

245' MERGE TAPER

ESTR
Newman Rd
NEXT SIGNAL

25'

10'
11'

213+00
214+00
215+00
216+00
217+00
218+00

STH 31 R/L

STH 31

11'
11'
10'

ESTR
SPEED
LIMIT
35

ESTR
SPEED
LIMIT
35

R11-2L
48" X 30"
LANE
CLOSED
TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

A/C

ANT.

MATCH LINE 212+25

SHEET 160 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 475	E

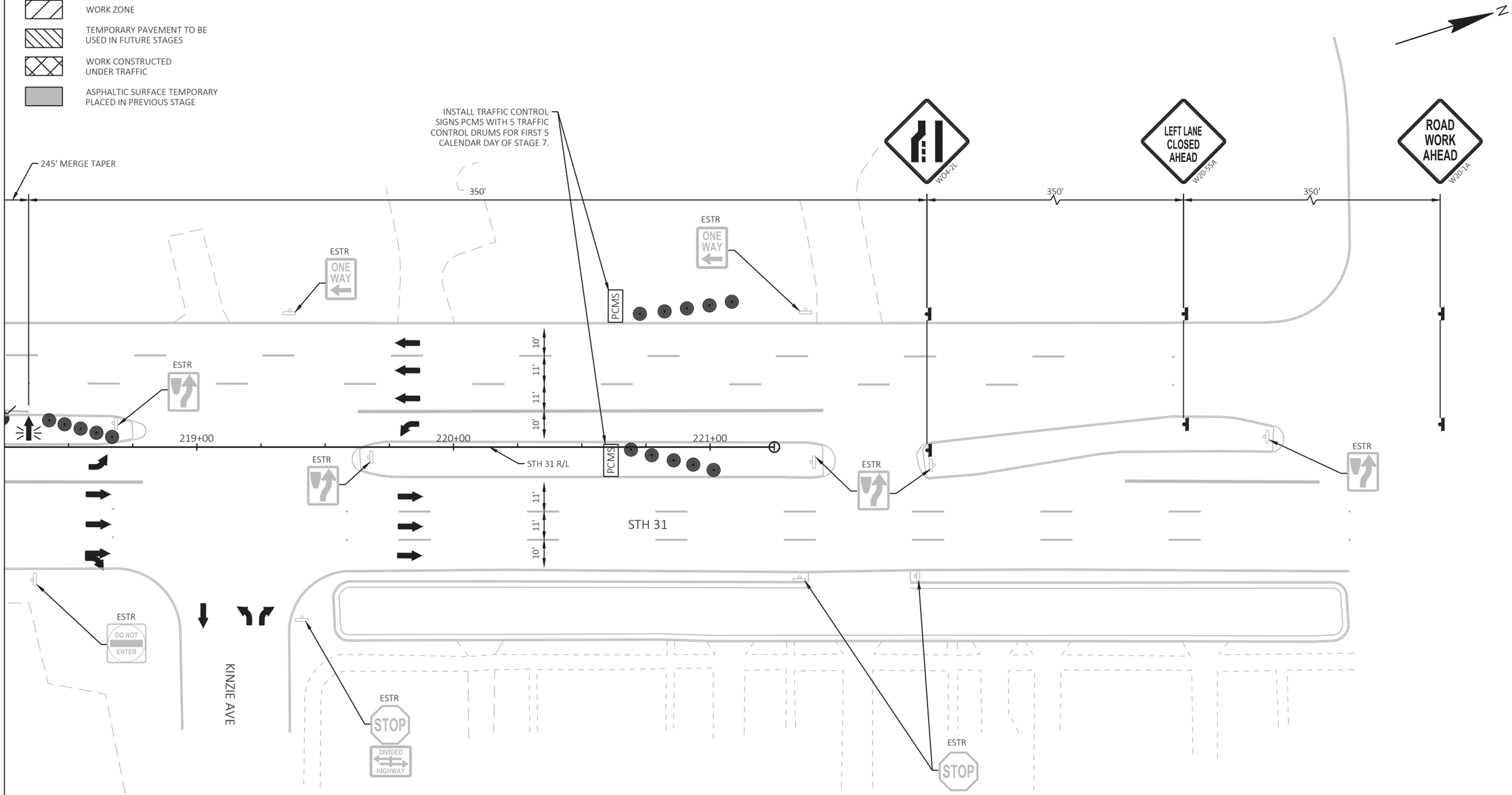
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 20

PLOT DATE : 7/15/2025 5:36 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE



TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

MATCH LINE 218+25

SHEET 161 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B-7C	SHEET 476	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 21

PLOT DATE : 7/15/2025 5:36 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE 384+75

MATCH LINE 378+75

ESTR
NORTH EAST SOUTH
31 20 31

ESTR
BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

ESTR

ESTR
Mount Pleasant
POPULATION 26,197

ESTR
NORTH
31

ON OVERHEAD SIGN SUPPORT
ESTR ESTR
ONLY ONLY

ESTR
SPEED LIMIT
35

STH 20

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12' 12' 12'

10' 11' 11' 11' 10'

SAN SAN SAN SAN SAN

ESTR
NORTH SOUTH
31 31

M3-3
24"X12"
M1-6
24"X24"
SOUTH
31
ROAD WORK AHEAD
W20-1A

FOUND

U/C

ESTR
EAST
20

ESTR
BEGIN LEFT TURN LANE

ESTR
ONE WAY

ESTR
Racine
Milwaukee
Kenosha

ESTR
WRONG WAY

SHEET 162 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B	SHEET 477	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:36 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 388+00

N

PLACE SIGN AT STA 397+00

ROAD WORK AHEAD
W20-1A

ESTR
WEST NORTH
20 31

ESTR
NORTH
31

ESTR
BEGIN LEFT TURN LANE

ESTR

ESTR
SOUTH NORTH
31 31

FLAG

10'
11'
11'
11'
11'

25'

388+00
389+00
390+00
391+00
392+00
393+00
394+00

STH 20 R/L

12'
12'
12'

STH 20

ESTR
ONE WAY

ESTR
ONE WAY

END ROAD WORK
G20-2A
48"X24"

ESTR
TRUCK

FLAG

CANOPY

ESTR

ESTR
SOUTH
31

ESTR
ONLY

ESTR
ONLY

ON OVERHEAD SIGN SUPPORT
SIGN COVERED IN A PREVIOUS STAGE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

SHEET 163 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7A-7B	SHEET 478	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026012-S7A-7B.DWG
LAYOUT NAME - 29

PLOT DATE : 7/15/2025 5:36 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 384+75

STH 20

385+00

386+00

387+00

388+00

EP 201+58.12

201+00

202+00

203+00

204+00

205+00

206+00

STH 31

STH 31 R/L

ESTR SOUTH 31

ESTR WEST 20

ESTR EAST WEST 20 20

ESTR NORTH 31

ESTR EAST 20

ESTR SPEED LIMIT 35

ESTR SPEED LIMIT 35

ESTR ONE WAY

ESTR ONE WAY

ESTR ONE WAY

ESTR YIELD

ESTR DO NOT ENTER

ESTR DO NOT ENTER

ESTR DO NOT ENTER

ESTR

ESTR

ESTR

ESTR

ESTR WRONG WAY

M4-9BL 30"X24"

M4-9BR 30"X24"

M4-9BR 30"X24"

M4-9BL 30"X24"

ON OVERHEAD SIGN SUPPORT

ESTR ONLY

ESTR ONLY

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

WO12-1D 24"X24"

WO1-6 48" X 24"

TYPE III BARRICADE

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

END ROAD WORK G20-2A 48"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

MOUNT ON QUICK RELEASE FIXED BASE

W6-4 12"X18"

TW10

+92 64' LT

R9-9 24"X12"

M4-9BR 30"X24"

M4-4 24"X12"

R3-1 24"X24"

+69 18' RT

NB TRUCKS NO RIGHT TURN FOR 7 DAYS CONSTRUCT REMAINING SLABS USING HES CONCRETE PAVEMENT

+13 23' RT

R9-9 24"X12"

M4-9BR 30"X24"

M4-9BL 30"X24"

TW6

+21 55' RT

SIGN COVERED IN PREVIOUS STAGE

+34 112' RT

6' TEMPORARY PEDESTRIAN BARRICADE

MATCH LINE 388+00

MATCH LINE STA 200+25

MATCH LINE 206+25

11' 11' 11' 10' 0'

10' 11' 11' 11'

25'

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 164 OF 242

2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7C	SHEET 479	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026013-S7C.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:37 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 372+75

2

ESTR STOP DIVIDED HIGHWAY

HUNTER DR

ESTR

ESTR WRONG WAY

ESTR Emmertsen Dr NEXT SIGNAL

ESTR SPEED LIMIT 35

ESTR Hwy 94-41 5 Waterford 20

ESTR

12'

12'

12'

367+00 368+00 369+00 370+00 371+00 372+00

STH 20 R/L

STH 20

12'

12'

12'

ESTR

ESTR ONE WAY

ESTR SPEED LIMIT 35

ESTR Village Center Dr NEXT SIGNAL

ESTR

ESTR BEGIN LEFT TURN LANE

ESTR Frank Lloyd Wright Designed Buildings Wingspread SC Johnson

350'

350

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

SHEET 165 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7C	SHEET 480	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026013-S7C.DWG
LAYOUT NAME - 26

PLOT DATE : 7/15/2025 5:37 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

VILLAGE CENTER DR

MATCH LINE 378+75

MATCH LINE 372+75

STH 20

12'

12'

12'

12'

12'

12'

373+00

374+00

375+00

376+00

377+00

378+00

ESTR

DO NOT ENTER

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ONE WAY

ESTR

JCT 31

+01 49' RT

TW6

ONLY

ONLY

GUY

OH

WV

TEL

SS

GV

350'

350'

245' MERGE TAPER

W04-2R

SHEET 166 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7C	SHEET 481	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026013-S7C.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 5:37 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 384+75

ESTR NORTH EAST SOUTH 31 20 31

ESTR BEGIN LEFT TURN LANE

END ROAD WORK G20-2A 48"X24"

ESTR

ESTR Mount Pleasant POPULATION 26,197

ESTR NORTH 31

ON OVERHEAD SIGN SUPPORT
ESTR ONLY
ESTR ONLY

ESTR SPEED LIMIT 35

STH 20

12' 12' 12'

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12' 12' 25'

+46 37' RT

TW6

+46 37' RT

BEGIN RIGHT TURN LANE R3-20R 24"X36"

+64 36' RT

TW10

+65 49' RT

+87 48' RT

ESTR BEGIN LEFT TURN LANE

ESTR ONE WAY

ESTR EAST 20

ESTR WRONG WAY

WO12-1D 24X"24"

U/C

245' MERGE TAPER

ESTR NORTH SOUTH 31 31

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

ESTR Racine Milwaukee Kenosha

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

MATCH LINE 378+75

SHEET 167 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7C	SHEET 482	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026013-S7C.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:37 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 388+00

TYPE III BARRICADE

N

PLACE SIGN AT STA 397+00

ROAD WORK AHEAD W20-1A

ESTR WEST NORTH 20 31

ESTR NORTH 31

ESTR

ESTR BEGIN LEFT TURN LANE

ESTR SOUTH NORTH 31 31

FLAG

10'
11'
11'
11'
11'

25'

388+00
389+00
390+00
391+00
392+00
393+00
394+00

STH 20

12'
12'
12'

STH 20 R/L

TW6

+47
46' RT

FLAG

CANOPY

ESTR

ESTR ONE WAY

ESTR ONE WAY

END ROAD WORK G20-2A 48"X24"

ESTR TRUCK

ESTR SOUTH 31

ESTR ONLY ONLY

ON OVERHEAD SIGN SUPPORT
SIGN COVERED IN A PREVIOUS STAGE

R11-2L 48" X 30"
LANE CLOSED

TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 168 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 7C	SHEET 483	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026013-S7C.DWG
LAYOUT NAME - 29

PLOT DATE : 7/15/2025 5:37 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

STH 31

STH 31 R/L

REGENCY POINT ENTRANCE

REGENCY POINT R/L

HIGH RIDGE ENTRANCE

HIGH RIDGE R/L

MATCH LINE 141+50

136+00 137+00 138+00 139+00 140+00 141+00 11+00

PSIP Regency West Dr NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

PSIP WRONG WAY

PSIP ONE WAY

PSIP DO NOT ENTER

PSIP SEMIS USE REGENCY WEST DRIVE

PSIP ROAD WORK AHEAD W20-1A

ASPHALT

CONCRETE RUMBLE STRIP

LANDSCAPED AREA

11' 11' 10'

10' 11' 11'

10' 10'

21'

16'

SHEET 169 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 484	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 07

PLOT DATE : 7/15/2025 5:38 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 147+50

2

PSIP DO NOT ENTER

PSIP

PSIP WRONG WAY

PSIP BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

PSIP SPEED LIMIT 35

PSIP SOUTH 31

ASPHALT

STH 31

STH 31 R/L

CONCRETE RUMBLE STRIP

11'
11'
10'

142+00
143+00
144+00
145+00
146+00
147+00

PCMS

10'
11'
11'

PSIP NORTH 31

PSIP SPEED LIMIT 35

PSIP 21st ST NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

W04-2L

PSIP WRONG WAY

PSIP

LEFT LANE CLOSED AHEAD
W20-5SA

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 8

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

MATCH LINE 141+50

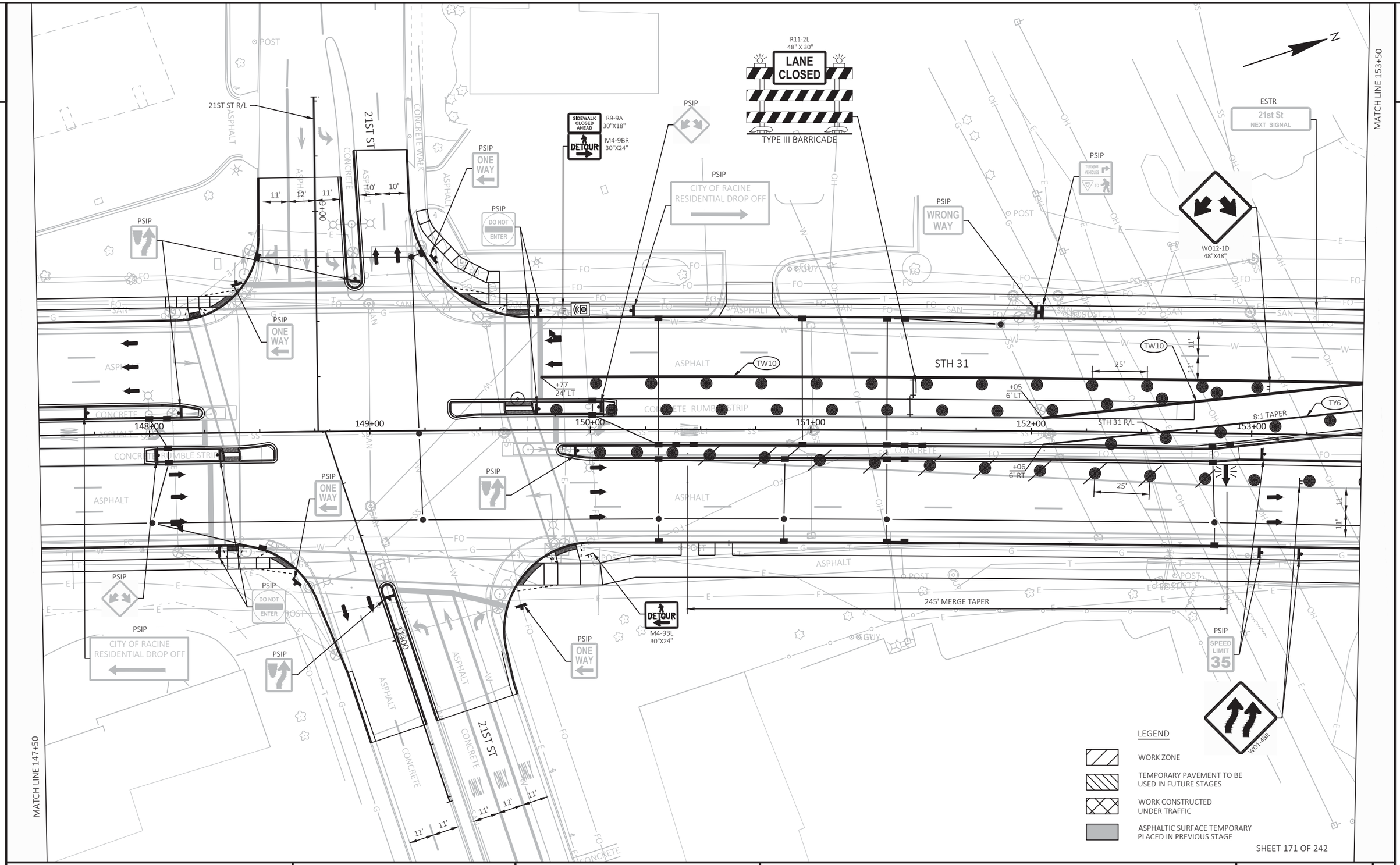
SHEET 170 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 485	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:38 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



SHEET 171 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 486	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:38 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

JOANNE DR

JOANNE DR R/L

PSIP

STOP

RIGHT TURN ONLY

PSIP

BEGIN LEFT TURN LANE

PSIP

ONE WAY

PSIP

21st ST NEXT SIGNAL

ONE WAY R6-2R 24"X30"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

PSIP

STOP

RIGHT TURN ONLY

MARGERY DR

MARGERY DR R/L

END ROAD WORK G20-2A 48"X24"

R11-2 48" X 30"

ROAD CLOSED

TYPE III BARRICADE

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

MATCH LINE 159+50

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP

DO NOT ENTER

SPEED LIMIT 35 R2-1 24"X30"

PSIP

SPEED LIMIT 35

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP

DO NOT ENTER

STH 31

TEMPORARY GRADING LIMITS

25'

11'

11'

+54 24' LT

8:1 TAPER

SEE NOTE 2

TY6

SEE NOTE 2

+00 24' LT

SEE NOTE 1

R3-2 24"X24"

SEE NOTE 4

SEE NOTE 5

STH 31 R/L

R1238'

SEE NOTE 3

154+00

155+00

156+00

157+00

158+00

159+00

+14 24' RT

+14 35' RT

25'

TY6

+15 28' RT

+14 39' RT

+14 50' RT

TWL

11'

11'

SEE NOTE 1

+14 46' RT

PSIP

BEGIN LEFT TURN LANE

COVER OR REMOVE INCIDENTAL TO TRAFFIC CONTROL

TW6

WO1-6 48" X 24"

TYPE III BARRICADE

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

PSIP

R3-2 24"X24"

R11-2 48" X 30"

ROAD CLOSED

TYPE III BARRICADE

MATCH LINE 153+50

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. REMOVE TYPE S INLET COVER AND PROVIDE COVER PLATE TEMPORARY UNTIL LATER STAGE.
3. TEMPORARY STORM SEWER PLACED IN PREVIOUS STAGE. UNCOVER INLET AND INSTALL INLET COVER TYPE S. GRADE SWALE TO DRAIN TO INLET.
4. INSTALL TEMPORARY VANE DRAIN. CONNECT TO PROPOSED INLET.
5. INSTALL INLET COVER TYPE S

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 172 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 487	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 10

PLOT DATE : 7/16/2025 8:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

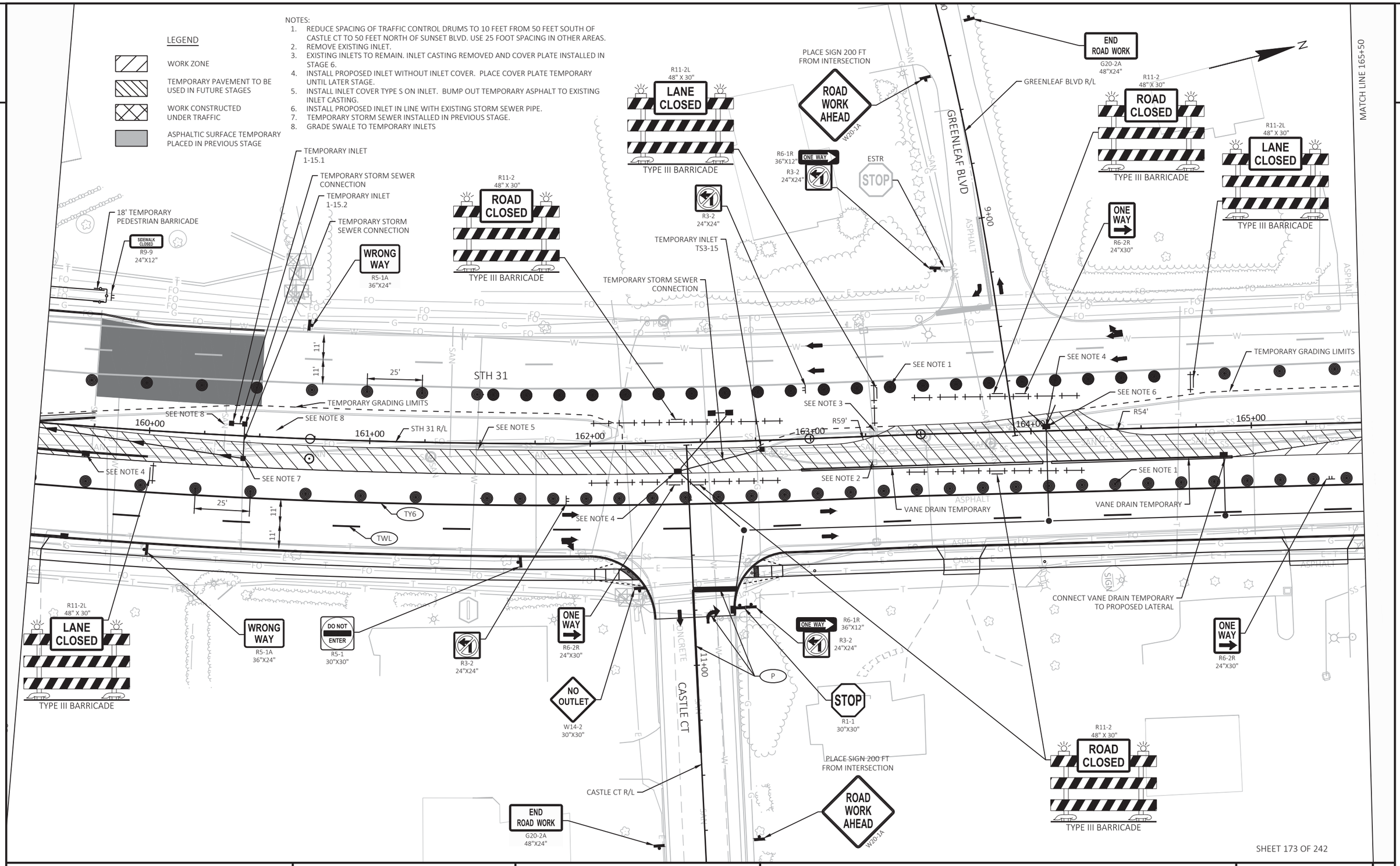
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET SOUTH OF CASTLE CT TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.
2. REMOVE EXISTING INLET.
3. EXISTING INLETS TO REMAIN. INLET CASTING REMOVED AND COVER PLATE INSTALLED IN STAGE 6.
4. INSTALL PROPOSED INLET WITHOUT INLET COVER. PLACE COVER PLATE TEMPORARY UNTIL LATER STAGE.
5. INSTALL INLET COVER TYPE S ON INLET. BUMP OUT TEMPORARY ASPHALT TO EXISTING INLET CASTING.
6. INSTALL PROPOSED INLET IN LINE WITH EXISTING STORM SEWER PIPE.
7. TEMPORARY STORM SEWER INSTALLED IN PREVIOUS STAGE.
8. GRADE SWALE TO TEMPORARY INLETS



SHEET 173 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 488 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 11

PLOT DATE : 7/16/2025 9:18 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET SOUTH OF CASTLE DRIVE TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.
3. EXISTING INLET TO REMAIN.
4. EXISTING MANHOLE TO REMAIN.
5. REMOVE EXISTING INLET.
6. PROVIDE TEMPORARY CONNECTION BETWEEN EXISTING INLET AND PROPOSED INLET.
7. ADJUST INLET. CONNECT INLET TO PROPOSED INLET USING TEMPORARY STORM SEWER.
8. EXISTING MANHOLE TO REMAIN. CONNECT PROPOSED STORM SEWER TO EXISTING STORM SEWER.
9. INSTALL PROPOSED INLET WITHOUT INLET CASTING. PROVIDE COVER PLATE TEMPORARY UNTIL LATER STAGE.
10. INSTALL MANHOLE TO GRADE OF TEMPORARY PAVEMENT.

2

2

MATCH LINE 171+50

MATCH LINE 165+50

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
STOP

SUNSET BLVD

SUNSET BLVD R/L

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R6-1R
36"X12"
ONE WAY

R3-2
24"X24"

SPEED LIMIT 35
R2-1
24"X30"

ONE WAY
R6-2R
24"X30"

TEMPORARY INLET TS3-16

TEMPORARY STORM SEWER CONNECTION

TEMPORARY INLET TS3-17

STH 31

STH 31 R/L

LINCOLN VILLAGE DR

LINCOLN VILLAGE DR R/L

SEE NOTE 1
SEE NOTE 2
SEE NOTE 4
SEE NOTE 5
SEE NOTE 6
SEE NOTE 7
SEE NOTE 8
SEE NOTE 9
SEE NOTE 10

166+00
167+00
168+00
169+00
170+00
171+00

+79 3' RT
+63 1' LT
+35 8' LT
+09 6' LT
+19 28' RT

R54'
R59'

11'
25'

TY6
TWL

DO NOT ENTER
R5-1
30"X30"

WRONG WAY
R5-1A
36"X24"

M4-60R
30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

BYRD AVE

BYRD AVE R/L

11+00

STOP
R1-1
30"X30"

P

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.
16th St
NEXT SIGNAL

W03-3

BEGIN LEFT TURN LANE
R3-20L
24"X36"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 174 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 489	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 12

PLOT DATE : 7/15/2025 5:39 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS TO CONSTRUCT INTERSECTION USING HIGH EARLY STRENGTH CONCRETE PAVEMENT . ALTERNATE CLOSURE WITH WRIGHT AVENUE.
3. REMOVE EXISTING INLETS.
4. CONNECT EXISTING STORM SEWER LATERAL TO PROPOSED INLET.
5. REMOVE EXISTING MANHOLE.
6. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 AT 16TH STREET. MAINTAIN ONE CROSSING OF STH 31 AT ALL TIMES. WHEN A CROSSWALK IS NOT IN USE CLOSE THE CROSSWALK USING TYPE III BARRICADES WITH THE PROPER SIDEWALK CLOSED SIGNS.
7. REMOVE EXISTING MANHOLE.
8. INSTALL INLET WITHOUT INLET GRATE. PROVIDE COVER PLATE TEMPORARY AND INSTALL INLET GRATE IN LATER STAGE.
9. INSTALL PROPOSED INLET WITH INLET COVER TYPE S. PROVIDE ADJUSTMENT RINGS WITH 2'X2' RECTANGULAR OPENING.

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

16TH ST R/L
12' 12' 12'

ONE WAY
R6-2L
24"X30"

ESTR
CITY OF RACINE
RESIDENTIAL DROP OFF

WO1-6
48" X 24"
TYPE III BARRICADE

WRONG WAY
R5-1A
36"X24"

ESTR
SPEED LIMIT 35

SPEED LIMIT 35
R2-1
24"X30"

DO NOT ENTER
R5-1
30"X30"

MATCH LINE 177+50

TEMPORARY INLET TS3-19
TEMPORARY STORM SEWER CONNECTION
TEMPORARY STORM SEWER CONNECTION
TEMPORARY MANHOLE TS3-18
LANDSCAPED AREA

STH 31
TEMPORARY GRADING LIMITS
25'
11'
11'
SEE NOTE 1
SEE NOTE 4
SEE NOTE 3
SEE NOTE 6
SEE NOTE 5
SEE NOTE 8
SEE NOTE 2
SEE NOTE 7
SEE NOTE 8
SEE NOTE 8
SEE NOTE 8
SEE NOTE 3
SEE NOTE 6
TXW
71+00
R39'
R59'
R115'
R10'
R5'
R55'
R60'
R100'
STH 31 R/L
172+00
173+00
174+00
175+00
176+00
177+00
CONCRETE RUMBLE STRIP
ASPHALT
ASPHALTIC CURB
CONCRETE CURB
8:1 TAPER
SEE NOTE 1
TA
TWL
TW10
TY6
TW
TA
TSB
P
R4-7
24"X30"
R4-7
24"X30"
TXW
TWL
TY6
SEE NOTE 8
10'
11'
11'
25'
GUY
WRONG WAY
R5-1A
36"X24"
DO NOT ENTER
R5-1
30"X30"
R5-2
24"X24"
WO1-6
48" X 24"
TYPE III BARRICADE
11+00
ONE WAY
R6-2L
24"X30"
M3-1
24"X12"
NORTH
31
M1-6
24"X24"
16TH ST R/L
ONLY
ONLY
12'
12'
22'
16TH ST
PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
MATCH LINE 171+50

SHEET 175 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 490	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 13
PLOT DATE : 7/15/2025 5:39 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. INLET REMOVED IN PREVIOUS STAGE.
3. REMOVE EXISTING INLET.
4. REMOVED EXISTING MANHOLE.
5. INSTALL PROPOSED STORM SEWER TO EDGE OF TEMPORARY PAVEMENT. PROVIDE TEMPORARY CONNECTION OF EXISTING PIPE TO PROPOSED PIPE.
6. INSTALL PROPOSED INLET WITHOUT INLET GRATE. PROVIDE COVER PLATE TEMPORARY. PLACE INLET GRATE IN LATER STAGE.
7. ADJUST INLET TO TEMPORARY PAVEMENT GRADE. REMOVE EXISTING INLET CASTING AND REPLACE WITH INLET GRATE TYPE S.
8. INSTALL PROPOSED WITH INLET CASTING TYPE S. PROVIDE ADJUSTMENT RINGS WITH 2'X'2' RECTANGULAR OPENING.

N

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

HORIZON BLVD R/L

HORIZON BLVD

ESTR
16th St
NEXT SIGNAL

ESTR

W03-3

R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

ESTR
STOP

ONE WAY
R6-2R
24"X30"

WRONG WAY
R5-1A
36"X24"

ONE WAY
R6-2R
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

TEMPORARY STORM SEWER CONNECTION

TEMPORARY INLET
TS3-20

SEE NOTE 7

TEMPORARY STORM SEWER CONNECTION

ASPHALTIC CURB

STH 31

STH 31 R/L

SEE NOTE 5
SEE NOTE 6
SEE NOTE 1
SEE NOTE 1
SEE NOTE 1
SEE NOTE 1

10'
25'
25'
11'
11'

178+00
179+00
180+00
181+00
182+00
183+00
9+00

SEE NOTE 3
SEE NOTE 1
TY6
TWL
SEE NOTE 6
SEE NOTE 1
SEE NOTE 4
SEE NOTE 2
TEMPORARY INLET
TS3-21
SEE NOTE 1
SEE NOTE 8

SIGN
LANDSCAPED AREA
CABC
ASPHALT

SPEED LIMIT
35
R2-1
24"X30"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

Wright Ave
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 177+50

MATCH LINE 183+50

SHEET 176 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 491 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:39 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS TO CONSTRUCT INTERSECTION USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. ALTERNATE CLOSURE WITH 16TH STREET.
3. REMOVE EXISTING INLET.
4. PROVIDE TEMPORARY STORM SEWER CONNECTION BETWEEN EXISTING STORM SEWER AND PROPOSED INLET.
5. CONSTRUCT INSIDE LANE BY CLOSING LEFT TURN LANE FOR FIRST 7 CALENDAR DAYS OF STAGE 8. USE HIGH EARLY STRENGTH CONCRETE PAVEMENT FOR CONCRETE WITHIN STAGE 3 NORTHBOUND LEFT TURN LANE.
6. INSTALL PROPOSED INLET WITHOUT INLET CASTING. PROVIDE COVER PLATE TEMPORARY. INSTALL PROPOSED INLET GRATE IN LATER STAGE.
7. PROVIDE TEMPORARY STORM SEWER CONNECTION BETWEEN EXISTING STORM SEWER AND PROPOSED INLET. PROVIDE CONCRETE COLLAR AT CONNECTION BETWEEN EXISTING STORM SEWER AND TEMPORARY STORM SEWER.
8. INSTALL PROPOSED INLET WITH INLET CASTING TYPE S. PROVIDE ADJUSTMENT RINGS WITH 2'X2' RECTANGULAR OPENING.

MATCH LINE 183+50

MATCH LINE 189+50

2

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

WRIGHT AVE

TEMPORARY INLET TS3-23

TEMPORARY STORM SEWER CONNECTION

SEE NOTE 7

SEE NOTE 8

DO NOT ENTER
R5-1
30"X30"

ONE WAY
R6-2L
24"X30"

WO1-6
48" X 24"

TYPE III BARRICADE

TEMPORARY MANHOLE TS3-22

TEMPORARY STORM SEWER CONNECTION

LANDSCAPED AREA

ASPHALT

12' 12' 18'

R4-7
24"X30"

SEE NOTE 6

R75'

R5'

R70'

SEE NOTE 1

SEE NOTE 4

25'

11' 11'

SEE NOTE 3

STH 31

SEE NOTE 8

SEE NOTE 6

ASPHALTIC CURB

184+00 185+00 186+00 187+00 188+00 189+00

8:1 TAPER

TY6

TA

TW10

SEE NOTE 5

TW

TWL

SEE NOTE 2

10+00

P

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO3-3

WRONG WAY
R5-1A
36"X24"

DO NOT ENTER
R5-1
30"X30"

M4-60R
30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

WRIGHT AVE R/L

ONE WAY
R6-2L
24"X30"

M4-60R
30"X24"

6' TEMP PED BARRICADE

WO1-6
48" X 24"

TYPE III BARRICADE

11+00

END ROAD WORK
G20-2A
48"X24"

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

SHEET 177 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 492	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 15

PLOT DATE : 7/15/2025 5:39 PM

PLOT BY : BLACKWOOD, JIM

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. INSTALL PROPOSED INLET WITHOUT INLET COVER. PROVIDE COVER PLATE TEMPORARY. INSTALL PROPOSED INLET COVER IN LATER STAGE.

MATCH LINE 195+50

2

TEMPORARY STORM SEWER CONNECTION

WRONG WAY R5-1A 36"X24"

SEE NOTE 2

BEGIN LEFT TURN LANE R3-20L 24"X36"

ONE WAY R6-2R 24"X30"

ONE WAY R6-2R 24"X30"

TEMPORARY INLET TS3-24

ASPHALTIC CURB

STH 31

1042' R

SEE NOTE 2

SEE NOTE 1

ASPHALTIC CURB

1033' R

STH 31 R/L

190+00

191+00

192+00

193+00

194+00

195+00

11'

11'

10'

25'

25'

TY6

REMOVE INLETS

TWL

SEE NOTE 2

SEE NOTE 1

11'

11'

Washington Ave NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.

JCT 20 M2-1 21"X15" M1-6 24"X24"

WO3-3

ONE WAY R6-2R 24"X30"

M3-4 24"X12" WEST EAST M3-2 24"X12"

M1-6 24"X24" 20 20 M1-6 24"X24"

M5-1L 21"X21" M5-1R 21"X21"

WRONG WAY R5-1A 36"X24"

MATCH LINE 189+50

SHEET 178 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 493	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 16

PLOT DATE : 7/15/2025 5:39 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. CONSTRUCT TEMPORARY PAVEMENT OVERNIGHT ON SAME NIGHT AS TRANSITION FROM STAGE 7C TO STAGE 8

MATCH LINE STA 200+25

MATCH LINE 195+50

WO12-1D
24"X24"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

WO1-6
48" X 24"
TYPE III BARRICADE

STH 31

STH 31 R/L

SEE NOTE 1

SEE NOTE 2

196+00 197+00 198+00 199+00 200+00

11' 11' 11' 11'

25' 25'

8:1 TAPER

TY6 TW TA TW10 TA TWL P P

BEGIN LEFT TURN LANE
R3-20L
24"X36"

H D9-2 24"X24"
MB6-2 21"X21"

ONE WAY
R6-2R
24"X30"

H D9-2 24"X24"
MB6-1 21"X21"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

EAST 20
M3-2 24"X12"
M1-6 24"X24"
M6-1 21"X21"

WEST 20
M3-4 24"X12"
M1-6 24"X24"
M6-1 21"X21"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 179 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A	SHEET 494 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 17

PLOT DATE : 7/15/2025 5:40 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 384+75

MATCH LINE 206+25

2

ESTR SOUTH 31

ESTR YIELD

6' TEMP PED BARRICADE

STH 20

STH 20 R/L

385+00

386+00

387+00

388+00

ESTR ONE WAY

ESTR DO NOT ENTER

SIDEWALK CLOSED DETOUR R9-9 24"X12" M4-9BL 30"X24"

TWT

TY6 TW10

TY10 TWL

TW6

R4-7 24"X30"

P

SIDEWALK CLOSED DETOUR R9-9 24"X12" M4-9BR 30"X24"

ESTR WEST 20

ESTR ONE WAY

ESTR DETOUR M4-9BR 30"X24"

ESTR

ON OVERHEAD SIGN SUPPORT

ESTR ONLY ESTR ONLY

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

WO12-1D 24"X24"

ESTR EAST WEST 20 20

ESTR DETOUR M4-9BL 30"X24"

ESTR DETOUR M4-9BR 30"X24"

ESTR ONE WAY

ESTR NORTH 31

ESTR SPEED LIMIT 35

ESTR EAST 20

ESTR SPEED LIMIT 35

ESTR BEGIN LEFT TURN LANE

ESTR END ROAD WORK G20-2A 48"X24"

ESTR WRONG WAY

ESTR YIELD R1-2 36"X31"

ESTR SPEED LIMIT 35

201+00 202+00 203+00 204+00 205+00 206+00

STH 31 R/L

STH 31

MATCH LINE 388+00

MATCH LINE STA 200+25

25' 10' 11' 11' 11

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

WO1-6
48" X 24"
TYPE III BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

MATCH LINE 212+25

2

NEWMAN RD

ESTR JCT 20

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR ONE WAY

ESTR

ESTR

25'

11'

11'

11'

11'

10'

207+00

208+00

209+00

210+00

211+00

212+00

STH 31 R/L

STH 31

ESTR

ESTR

ESTR ONE WAY

ESTR BEGIN LEFT TURN LANE

ESTR DO NOT ENTER

RIPRAP

WALLS

WALLS

MATCH LINE 206+25

SHEET 181 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 496	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 19

PLOT DATE : 7/15/2025 5:40 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 218+25

N

WO12-1D
24"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR

ESTR
SPEED LIMIT
35

245' MERGE TAPER

ESTR
Newman Rd
NEXT SIGNAL

25'

10'
11'

213+00 214+00 215+00 216+00 217+00 218+00

STH 31 R/L

STH 31

11'
11'
10'

ESTR
SPEED LIMIT
35

ESTR
SPEED LIMIT
35

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

A/C

ANT.

MATCH LINE 212+25

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 182 OF 242

2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 497	E

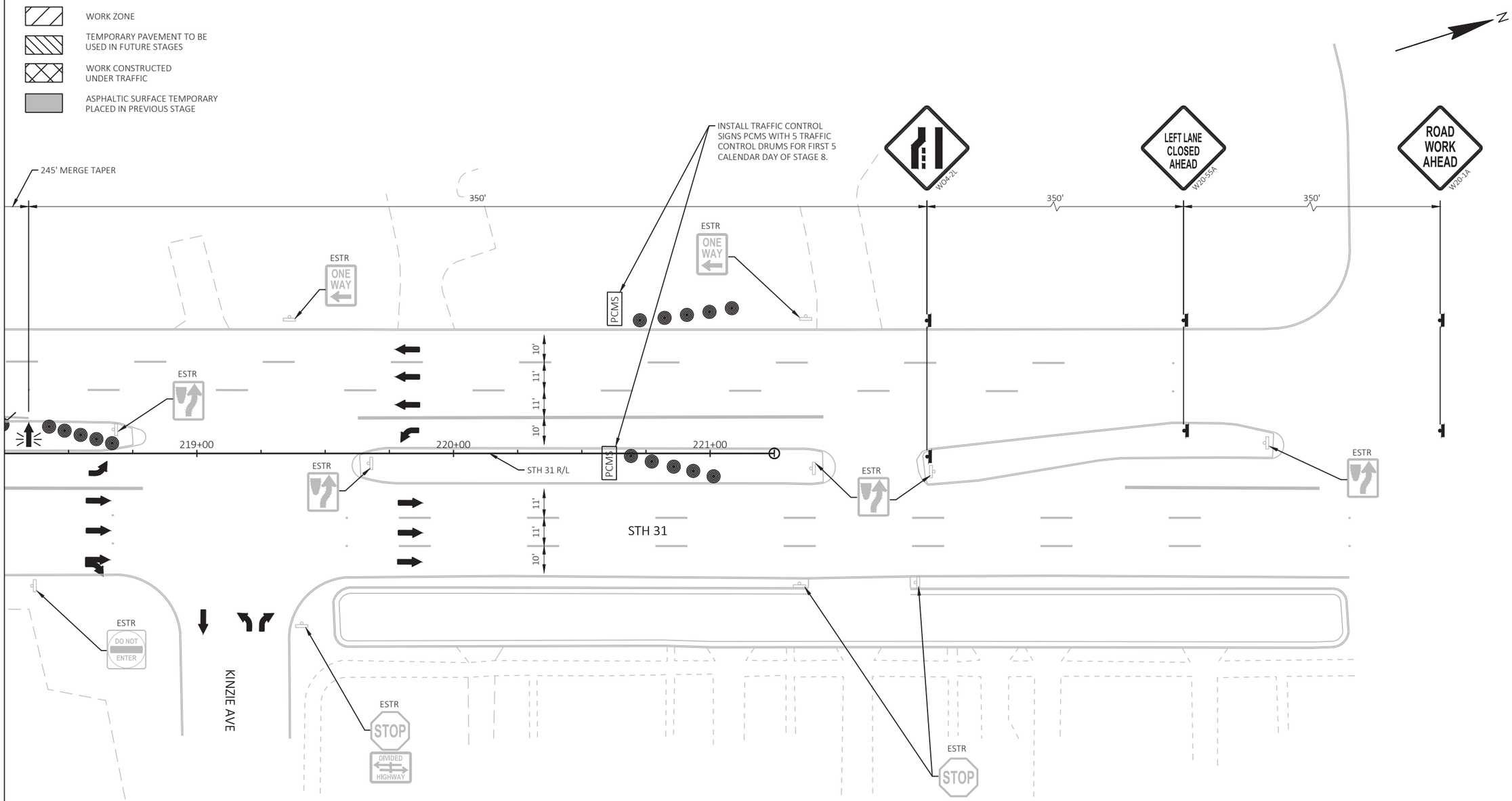
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 20

PLOT DATE : 7/15/2025 5:40 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE



TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

SHEET 183 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 498	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 21
PLOT DATE : 7/15/2025 5:41 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 372+75

2

ESTR
Hwy 94-41 5
Waterford 20

ESTR
STOP
DIVIDED HIGHWAY

HUNTER DR

ESTR

ESTR
WRONG WAY

ESTR
Emmertsen Dr
NEXT SIGNAL

ESTR
SPEED LIMIT
35

ESTR

12'
12'
12'

367+00 368+00 369+00 370+00 371+00 372+00

STH 20 R/L

ESTR

STH 20

12'
12'
12'

ESTR
ONE WAY

ESTR
SPEED LIMIT
35

ESTR
Village Center Dr
NEXT SIGNAL

ESTR

ESTR
BEGIN LEFT TURN LANE

ESTR
Frank Lloyd Wright Designed Buildings
Wingspread
SC Johnson

350' 350

ROAD WORK AHEAD
W20-1A

RIGHT LANE CLOSED AHEAD
W20-5R

SHEET 184 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B	SHEET 499	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 26

PLOT DATE : 7/15/2025 5:41 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 378+75

VILLAGE CENTER DR

ONLY

ESTR

ESTR DO NOT ENTER

ESTR

ESTR YIELD

ESTR

ESTR

ESTR ONE WAY

ESTR JCT 31

STH 20

12'

12'

12'

12'

12'

12'

373+00

374+00

375+00

376+00

377+00

378+00

STH 20 R/L

+01 49' RT

25'

GUY

OH

WV

TEL

SS

GV

350'

350'

245' MERGE TAPER

MATCH LINE 372+75

W04-2R

VILLAGE CENTER DR

ONLY

SHEET 185 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B	SHEET 500	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 5:41 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 384+75

ESTR NORTH EAST SOUTH 31 20 31

ESTR BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

ESTR

ESTR Mount Pleasant POPULATION 26,197

ESTR NORTH 31

ON OVERHEAD SIGN SUPPORT
ESTR ONLY
ESTR ONLY

ESTR SPEED LIMIT 35

STH 20

12'
12'
12'

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12'
12'
25'

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

M3-3 24"X12" SOUTH
M1-6 24"X24" 31

ROAD WORK AHEAD
W20-1A

ESTR NORTH SOUTH 31 31

ESTR EAST 20

ESTR BEGIN LEFT TURN LANE

ESTR ONE WAY

ESTR Racine / Milwaukee / Kenosha

WO12-1D
24"X24"

ESTR WRONG WAY

245' MERGE TAPER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

MATCH LINE 378+75

SHEET 186 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B	SHEET 501	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:41 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 388+00

2

N

ESTR
WEST NORTH
20 31

FLAG

ESTR
NORTH
31

ESTR
BEGIN LEFT TURN LANE

ESTR

ESTR
SOUTH NORTH
31 31

ROAD WORK AHEAD
W20-1A
PLACE SIGN AT STA 397+00

STH 20

10'
11'
11'
11'
11'

25'

388+00
389+00
390+00
391+00
392+00
393+00
394+00

12'
12'
12'

STH 20 R/L

ESTR
ONE WAY

ESTR
ONE WAY

END ROAD WORK
G20-2A
48"X24"

ESTR
TRUCK

FLAG

CANOPY

ESTR

ESTR
SOUTH
31

ESTR
ONLY

ESTR
ONLY

ON OVERHEAD SIGN SUPPORT
SIGN COVERED IN A PREVIOUS STAGE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 187 OF 242

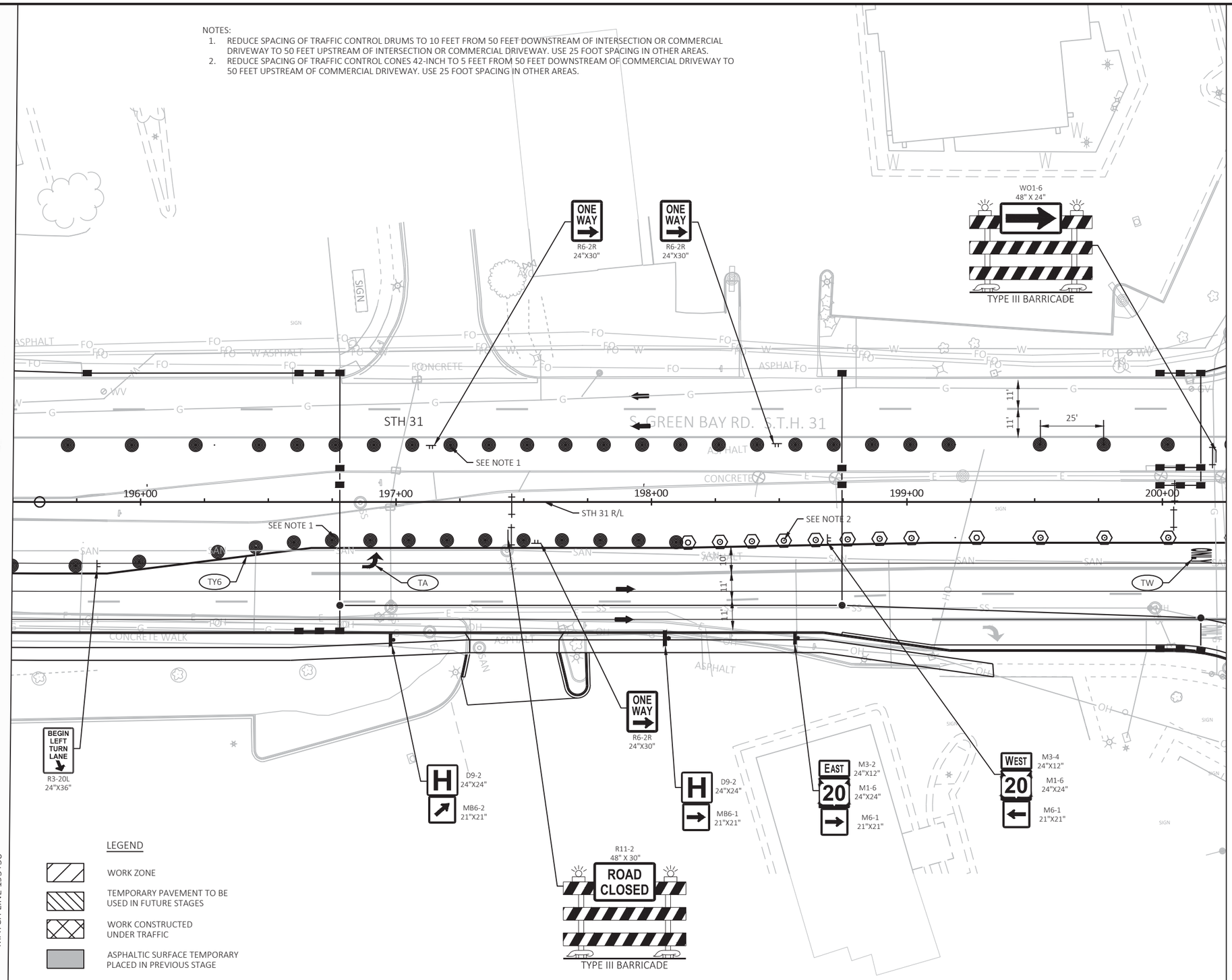
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8A-8B-8C	SHEET 502	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026014-S8A.DWG
LAYOUT NAME - 29

PLOT DATE : 7/15/2025 5:41 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. REDUCE SPACING OF TRAFFIC CONTROL CONES 42-INCH TO 5 FEET FROM 50 FEET DOWNSTREAM OF COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.



SHEET 188 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8B	SHEET 503 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026015-S8B.DWG
LAYOUT NAME - 17
PLOT DATE : 7/15/2025 5:42 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 384+75

MATCH LINE 206+25

2

WO1-6
48" X 24"
TYPE III BARRICADE

WO12-1D
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ON OVERHEAD SIGN SUPPORT

ESTR SOUTH 31

ESTR WEST 20

ESTR EAST 20 20

ESTR ONE WAY

ESTR YIELD

ESTR ONLY ONLY

STH 20

STH 31

6' TEMP PED BARRICADE

R9-9
24"X12"
SIDEWALK CLOSED
M4-9BL
30"X24"
DETOUR

ESTR DO NOT ENTER

STH 20 R/L

STH 31 R/L

TY6

TW6

R4-7
24"X30"

M4-9BR
30"X24"

M4-9BL
30"X24"

201+00 202+00 203+00 204+00 205+00 206+00

WB TRUCKS NO LEFT TURN
CONSTRUCT SLABS USING
HES CONCRETE PAVEMENT

TA

R9-9
24"X12"
SIDEWALK CLOSED
M4-9BR
30"X24"
DETOUR

6' TEMP PED BARRICADE

** TRUCK
M4-4
24"X12"
R3-2
24"X24"

ESTR NORTH 31

ESTR SPEED LIMIT 35

ESTR EAST 20

ESTR BEGIN LEFT TURN LANE

ESTR SPEED LIMIT 35

END ROAD WORK
G20-2A
48"X24"

ESTR WRONG WAY

R1-2
36"X31"

MATCH LINE STA 200+25

MATCH LINE 388+00

NOTE:
** ADD ADDITIONAL INSTALLATION OF SIGNS AT START OF LEFT TURN LANE TO WARN TRUCKS BEFORE THEY ENTER LEFT TURN LANE.

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 189 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 8B	SHEET 504	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026015-S8B.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:42 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. REDUCE SPACING OF TRAFFIC CONTROL CONES 42-INCH TO 5 FEET FROM 50 FEET DOWNSTREAM OF COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
3. EXISTING INLETS TO REMAIN. INLET CASTINGS REMOVED AND COVER PLATE TEMPORARY INSTALLED IN STAGE 6.
4. REMOVE EXISTING INLET.
5. CONSTRUCT LEFT TURN LANE DURING OFF PEAK HOURS BY CLOSING NB LEFT TURN LANE.
6. INSTALL PROPOSED INLET WITHOUT INLET COVER. PROVIDE COVER PLATE TEMPORARY. INSTALL PROPOSED INLET COVER IN LATER STAGE.

MATCH LINE STA 200+25

MATCH LINE 195+50

SEE NOTE 3
TEMPORARY STORM SEWER CONNECTION
TEMPORARY STORM SEWER CONNECTION
TEMPORARY INLET TS3-25
ASPHALTIC CURB
STH 31
STH 31 R/L
ONE WAY R6-2R 24"X30"
ONE WAY R6-2R 24"X30"
WO1-6 48" X 24"
TYPE III BARRICADE
TEMPORARY GRADING LIMITS
11'
11'
25'
25'
SEE NOTE 1
SEE NOTE 1
SEE NOTE 4
SEE NOTE 5
SEE NOTE 2
SEE NOTE 6
SEE NOTE 6
10'
11'
11'
196+00
197+00
198+00
199+00
200+00
BEGIN LEFT TURN LANE R3-20L 24"X36"
WEST 20 M3-4 24"X12" M1-6 24"X24" M5-1L 21"X21"
EAST 20 M3-2 24"X12" M1-6 24"X24" M5-1R 21"X21"
H D9-2 24"X24" MB6-2 21"X21"
ONE WAY R6-2R 24"X30"
H D9-2 24"X24" MB6-1 21"X21"
EAST 20 M3-2 24"X12" M1-6 24"X24" M6-1 21"X21"
WEST 20 M3-4 24"X12" M1-6 24"X24" M6-1 21"X21"
R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

LEGEND
- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING -STAGE 8C	SHEET 505 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 17
PLOT DATE : 7/15/2025 5:42 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 384+75

MATCH LINE 206+25

2

ESTR SOUTH 31

STH 20

ESTR WEST 20

ESTR ONE WAY

ESTR DO NOT ENTER

ESTR YIELD

ESTR DETOUR M4-9BR 30"X24"

ESTR DETOUR M4-9BL 30"X24"

ESTR ONLY ONLY

ON OVERHEAD SIGN SUPPORT

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

WO12-1D 24"X24"

ESTR EAST WEST 20 20

R9-9 24"X12" SIDEWALK CLOSED

M4-9BL 30"X24" DETOUR

6' TEMP PED BARRICADE

SEE NOTE 1

385+00

386+00

387+00

388+00

201+00

202+00

203+00

204+00

205+00

206+00

STH 20 R/L

STH 31 R/L

STH 31

R4-7 24"X30"

TYS

R9-9 24"X12" SIDEWALK CLOSED

M4-9BR 30"X24" DETOUR

+59 55' RT 6' TEMP PED BARRICADE

M4-9BR 30"X24" DETOUR

M4-9BL 30"X24" DETOUR

ESTR NORTH 31

ESTR SPEED LIMIT 35

ESTR EAST 20

ESTR BEGIN LEFT TURN LANE

ESTR SPEED LIMIT 35

ESTR END ROAD WORK G20-2A 48"X24"

ESTR WRONG WAY

R1-2 36"X31" YIELD

ESTR SPEED LIMIT 35

MATCH LINE 388+00

MATCH LINE STA 200+25

NOTES:
1. REMOVE EXISTING INLET.
2. CONSTRUCT LEFT TURN LANE DURING OFF PEAK HOURS BY CLOSING NB LEFT TURN LANE.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 191 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING -STAGE 8C	SHEET 506	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:43 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 378+75

MATCH LINE 372+75

VILLAGE CENTER DR

VILLAGE CENTER DR

STH 20

STH 20 R/L

373+00

374+00

375+00

376+00

377+00

378+00

12'

12'

12'

12

12'

12'

12'

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

DO NOT ENTER

ONE WAY

JCT 31

YIELD

ONLY

ONLY

GUY

OH

WV

TEL

TWL

SS

GV

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 192 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING -STAGE 8C	SHEET 507	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 5:43 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 384+75

MATCH LINE 378+75

ESTR
NORTH EAST SOUTH
31 20 31

ESTR
BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

ESTR

ESTR
Mount Pleasant
POPULATION 26,197

ESTR
NORTH
31

ON OVERHEAD SIGN SUPPORT
ESTR ONLY
ESTR ONLY

ESTR
SPEED LIMIT
35

STH 20

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12' 12' 12'

10' 11' 11' 11' 10'

SAN SAN SAN SAN SAN

TWL

ESTR
NORTH SOUTH
31 31

M3-3
24"X12"
SOUTH
M1-6
24"X24"
31

ROAD WORK AHEAD
W20-1A

U/C

FOUND

ESTR
BEGIN LEFT TURN LANE

ESTR
ONE WAY

ESTR
EAST
20

ESTR
Racine
Milwaukee
Kenosha

ESTR
WRONG WAY

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 193 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING -STAGE 8C	SHEET 508	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026016-S8C.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:43 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 141+50

2

PSIP DO NOT ENTER

PSIP

PSIP WRONG WAY

PSIP BEGIN LEFT TURN LANE

PSIP Regency West Dr NEXT SIGNAL

PSIP

PSIP ONE WAY

PSIP

REGENCY POINT ENTRANCE

10' 10'

REGENCY POINT R/L

PSIP SEMIS USE REGENCY WEST DRIVE

PSIP ONE WAY

PSIP ONE WAY

STH 31

ASPHALT

CONCRETE RUMBLE STRIP

11' 11' 10'

10' 11' 11'

STH 31 R/L

136+00 137+00 138+00 139+00 140+00 141+00

LANDSCAPED AREA

PSIP

PSIP

PSIP WRONG WAY

PSIP BEGIN LEFT TURN LANE

ROAD WORK AHEAD W20-1A

PSIP

PSIP DO NOT ENTER

HIGH RIDGE R/L

PSIP ONE WAY

PSIP

11+00

21'

16'

HIGH RIDGE ENTRANCE

SHEET 194 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 509	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 07

PLOT DATE : 7/15/2025 5:43 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 147+50

2

PSIP DO NOT ENTER

PSIP

PSIP WRONG WAY

PSIP BEGIN LEFT TURN LANE

PSIP SPEED LIMIT 35

PSIP SOUTH 31

ASPHALT

STH 31

STH 31 R/L

CONCRETE RUMBLE STRIP

11'
11'
10'

142+00
143+00
144+00
145+00
146+00
147+00

PCMS

10'
11'
11'

PSIP NORTH 31

PSIP SPEED LIMIT 35

PSIP 21st ST NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

W04-2L

PSIP WRONG WAY

PSIP

LEFT LANE CLOSED AHEAD W20-5SA

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 9

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

MATCH LINE 141+50

SHEET 195 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 510	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:43 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET
3. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.
4. MAINTAIN PEDESTRIAN ACCESS ACROSS STH 31 AT 21ST STREET AT ALL TIMES. SEE SEPARATE SHEETS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS.
5. CLOSE EASTBOUND THROUGH LANE USING SIDEROAD THROUGH LANE CLOSURE DETAIL WHEN 21ST STREET IS CLOSED.

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.

MATCH LINE 153+50

MATCH LINE 147+50

21ST ST

21ST ST R/L

STH 31

STH 31 R/L

SIDEWALK CLOSED AHEAD R9-9A 30"X18"
DETOUR M4-9BR 30"X24"

DETOUR M4-9BL 30"X24"

END ROAD WORK G20-2A 48"X24"

WRONG WAY

ONE WAY

DO NOT ENTER

CITY OF RACINE RESIDENTIAL DROP OFF

SPEED LIMIT 35

TURNING VEHICLES TO

WO1-4BR

TWL

TW10

8:1 TAPER

245' MERGE TAPER

25'

9+00

11+00

148+00

149+00

150+00

151+00

152+00

153+00

+05 6' LT

+73 6' LT

+73 14' LT

+35 14' LT

10' 10'

11' 12' 11'

11' 11'

11' 12' 11'

11' 11'

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 196 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 511 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:43 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

JOANNE DR R/L

PSIP 21st ST NEXT SIGNAL

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

MARGERY DR R/L

MARGERY DR

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

SEE NOTE 2

18' TEMPORARY PEDESTRIAN BARRICADE

PSIP STOP RIGHT TURN ONLY

PSIP STOP RIGHT TURN ONLY

PSIP BEGIN LEFT TURN LANE

PSIP ONE WAY

JOANNE DR

00+6

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

PSIP DO NOT ENTER

PSIP SPEED LIMIT 35

SIDEWALK CLOSED R9-9 24"X12"

PSIP DO NOT ENTER

MATCH LINE 159+50

+97 74' LT

R40'

TW6

+38 35' LT

+38 24' LT

+38 13' LT

R1261'

R1250'

R1239'

11'

11'

TY6

+88 14' LT

+07 13' LT

+08 24' LT

TW6

+29 9' LT

R3-1 24"X24"

25'

154+00

155+00

156+00

157+00

158+00

159+00

STH 31 R/L

+05 2' LT

+28 1' RT

+27 12' RT

R1239'

R1261'

R1250'

STH 31

11'

11'

25'

SEE NOTE 1

R3-2 24"X24"

ASPHALT

ASPHALT

ASPHALT

ASPHALT

PSIP BEGIN LEFT TURN LANE

COVER OR REMOVE INCIDENTAL TO TRAFFIC CONTROL

PSIP

WO1-6 48" X 24"

TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

WO1-6 48" X 24"

TYPE III BARRICADE

SEPV

MATCH LINE 153+50

GUY

GUY

GUY

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL DETAILS.

SHEET 197 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 512	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2025 5:44 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 159+50

MATCH LINE 165+50

STH 31

GREENLEAF BLVD

GREENLEAF BLVD R/L

CASTLE CT

CASTLE CT R/L

STH 31 R/L

160+00 161+00 162+00 163+00 164+00 165+00

9+00 11+00

R1239' R1250' R1261'

11' 11' 11'

25' 25'

+71 4' RT

+71 15' RT

+71 26' RT

+10 4' RT

+55 4' RT

+68 85' LT

+70 58' LT

+93 89' LT

+01 42' LT

R60' R55'

TW6 TWL TY6

SEE NOTE 1 SEE NOTE 2 SEE NOTE 3 SEE NOTE 4

TYPE III BARRICADE

R11-2L 48" X 30"

LANE CLOSED

W01-4BR

R6-2R 24"X30"

R3-2 24"X24"

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

TEMPORARY INLET INSTALLED IN STAGE 8

TEMPORARY STORM SEWER INSTALLED IN STAGE 8

NO OUTLET W14-2 30"X30"

NOTES:

1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. CLOSE INTERSECTION TO CONSTRUCT INTERSECTION. ALTERNATE CLOSURE OF GREENLEAF BLVD AND SUNSET BLVD. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.
4. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FEET FROM SOUTH OF CASTLE COURT TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.

SHEET 198 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 513	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 11
PLOT DATE : 7/16/2025 9:46 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

SUNSET BLVD

SUNSET BLVD R/L

SEE NOTE 3

+98 104' LT

+76 101' LT

+00

+78 53' LT

+11 44' LT

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

R3-2 24"X24"

SEE NOTE 2

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

SEE NOTE 2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

LINCOLN VILLAGE DR

LINCOLN VILLAGE DR R/L

SEE NOTE 4

+08 92' LT

+43 98' LT

+00

+13 64' LT

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

MATCH LINE 171+50

166+00

167+00

168+00

169+00

170+00

171+00

R55'

R60'

R55'

TW6

TW6

TW6

TWL

TY6

+23 4' RT

+69 4' RT

+93 4' RT

+93 26' RT

+61 1' RT

SEE NOTE 2

SEE NOTE 6

SEE NOTE 5

SEE NOTE 2

25'

25'

STH 31 R/L

STH 31

11'

11'

11'

11'

LAUNDROMAT AREA

CONCRETE

CONCRETE

11+00

M4-60R 30"X24"

6' TEMPORARY PEDESTRIAN BARRICADE

SPEED LIMIT 35 R2-1 24"X30"

BYRD AVE

BYRD AVE R/L

END ROAD WORK G20-2A 48"X24"

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

STOP R1-1 30"X30"

ONE WAY R6-1R 36"X12"

R3-2 24"X24"

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.

16th St NEXT SIGNAL

W20-3

R3-2 24"X24"

BEGIN LEFT TURN LANE R3-20L 24"X36"

ONE WAY R6-2R 24"X30"

MATCH LINE 165+50

NOTES:

1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKING AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. ALTERNATE CLOSURE OF GREENLEAF BLVD AND SUNSET BLVD. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.
4. CONSTRUCT INTERSECTION IN HALVES. MAINTAIN LOCAL ACCESS AT ALL TIMES.
5. REMOVE EXISTING MANHOLE.
6. REDUCE SPACING OF FLEXIBLE TUBULAR MARKERS TO 5 FEET FROM 50 FEET SOUTH OF CASTLE COURT TO 50 FEET NORTH OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 199 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 514	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 12

PLOT DATE : 7/15/2025 5:44 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
CITY OF RACINE RESIDENTIAL DROP OFF

SPEED LIMIT 35
R2-1
24"X30"

16TH ST R/L
12' 12' 12'

SEE NOTE 1
SEE NOTE 2
SEE NOTE 3
SEE NOTE 4

+52 39' LT
+70 113' LT
+77 77' LT
+23 107' LT
+38 44' LT
+88 6' LT

R40'
R60'
R52'

172+00
173+00
174+00
175+00
176+00
177+00

+94 6' LT
+99 16' RT
+18 6' LT
+58 5' RT
+57 16' RT
+02 5' RT
+02 16' RT
+02 26' RT

TWL
TW6
TY6
TW10
TSB
TA

25'
11'
10'
11'
12'

STH 31
STH 31 R/L

CONCRETE RUMBLE STRIP
ASPHALT
GUY POST

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

R5-2
24"X24"

11+00

M3-1
24"X12"
NORTH
M1-6
24"X24"
31

16TH ST
22'
12' 12'

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 171+50

MATCH LINE 177+50

NOTES:

1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.
4. MAINTAIN CROSSWALK ACROSS STH 31 AT ALL TIMES. SEE SEPARATE SHEETS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SHEET 200 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 515 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:44 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

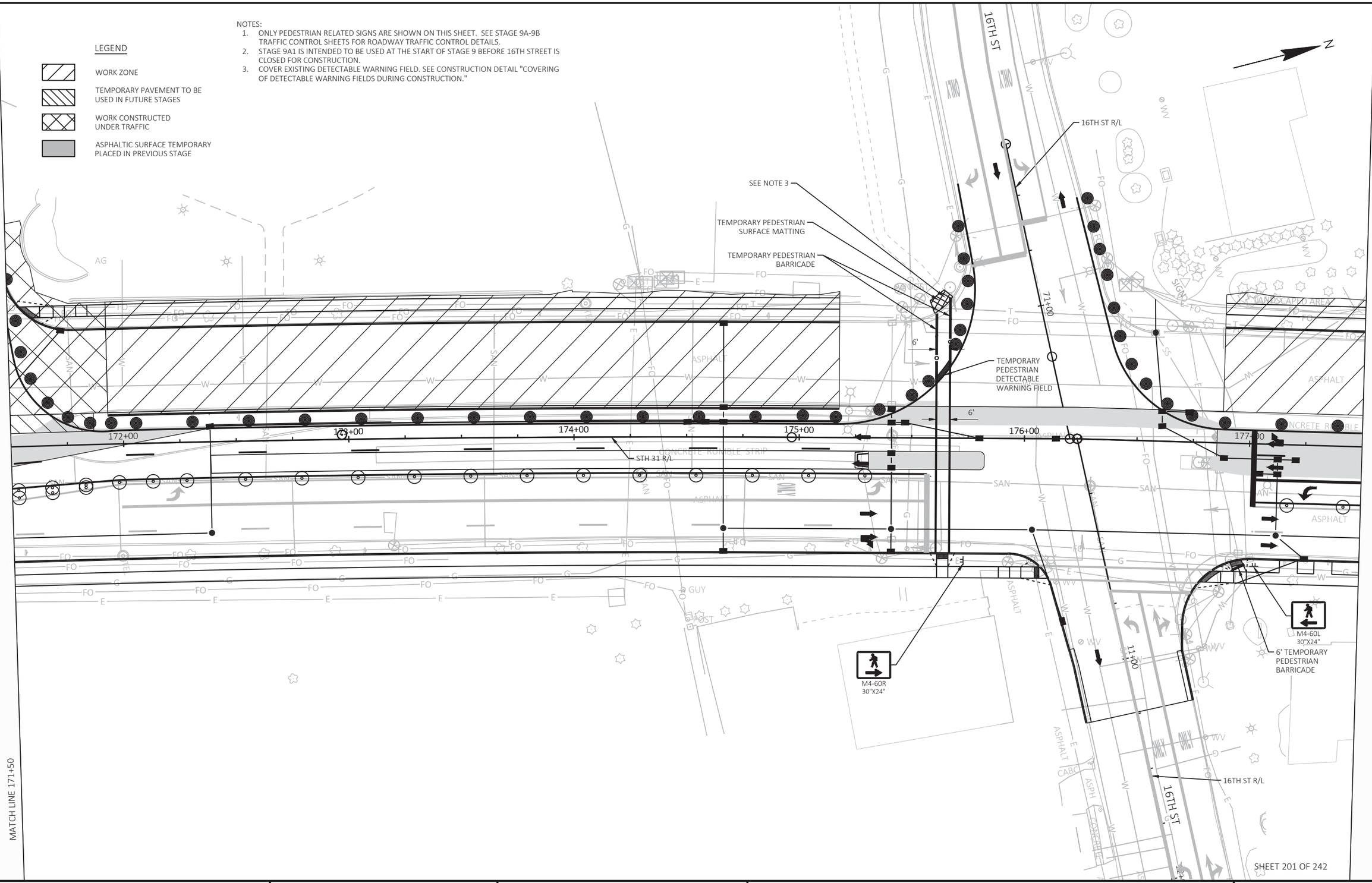
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 9A-9B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 9A1 IS INTENDED TO BE USED AT THE START OF STAGE 9 BEFORE 16TH STREET IS CLOSED FOR CONSTRUCTION.
3. COVER EXISTING DETECTABLE WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 9A1	SHEET 516 E

SHEET 201 OF 242

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017A-S9A1-PED.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:45 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

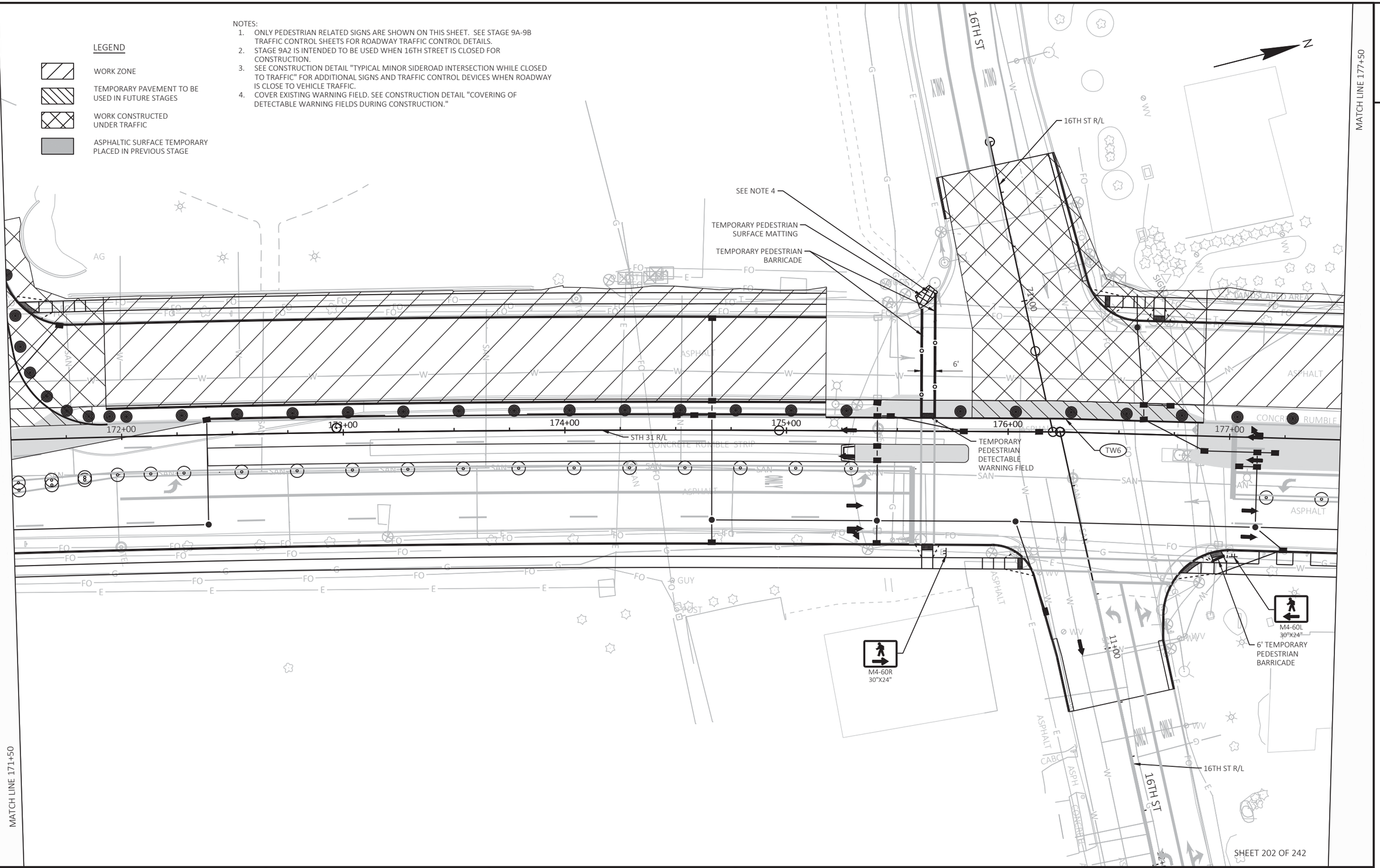
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 9A-9B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 9A2 IS INTENDED TO BE USED WHEN 16TH STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.
4. COVER EXISTING WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."



SHEET 202 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 9A2	SHEET 517	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017A-S9A2-PED.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:46 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

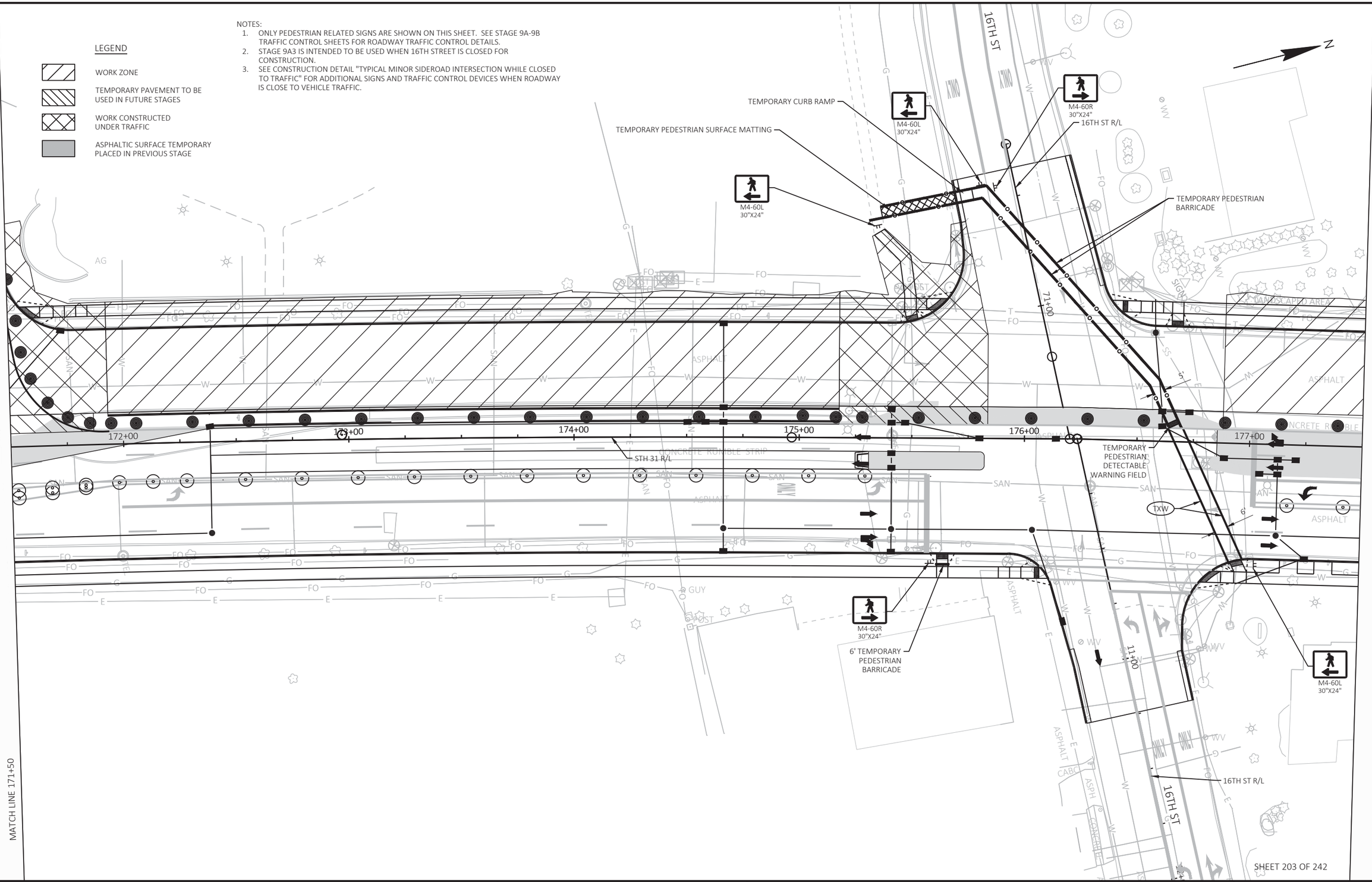
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 9A-9B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 9A3 IS INTENDED TO BE USED WHEN 16TH STREET IS CLOSED FOR CONSTRUCTION.
3. SEE CONSTRUCTION DETAIL "TYPICAL MINOR SIDEROAD INTERSECTION WHILE CLOSED TO TRAFFIC" FOR ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES WHEN ROADWAY IS CLOSE TO VEHICLE TRAFFIC.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 9A3	SHEET 518	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017A-S9A3-PED.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:47 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

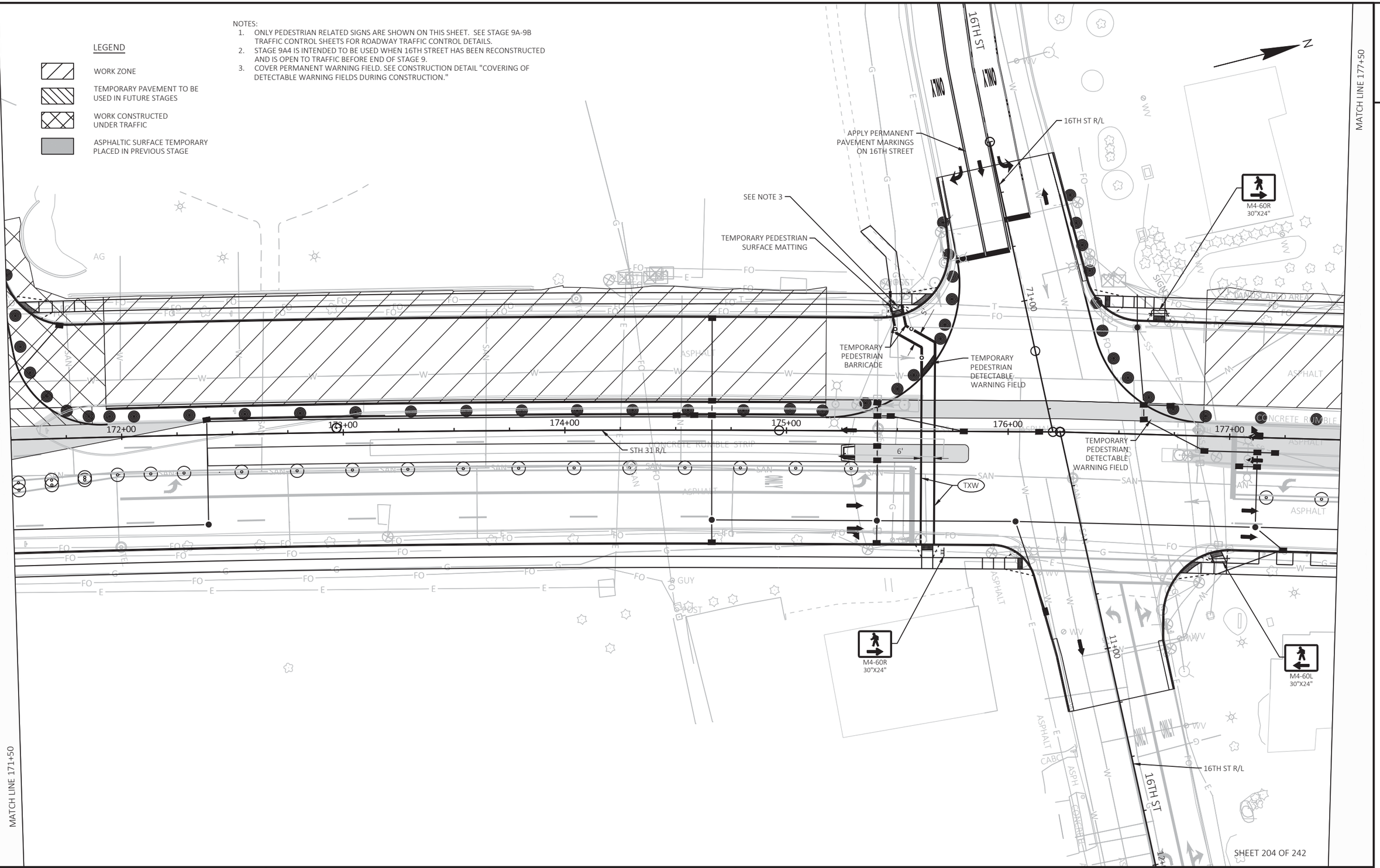
2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. ONLY PEDESTRIAN RELATED SIGNS ARE SHOWN ON THIS SHEET. SEE STAGE 9A-9B TRAFFIC CONTROL SHEETS FOR ROADWAY TRAFFIC CONTROL DETAILS.
2. STAGE 9A4 IS INTENDED TO BE USED WHEN 16TH STREET HAS BEEN RECONSTRUCTED AND IS OPEN TO TRAFFIC BEFORE END OF STAGE 9.
3. COVER PERMANENT WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."



SHEET 204 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 9A4	SHEET 519	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017A-S9A4-PED.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 5:48 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 183+50

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
16th St
NEXT SIGNAL

R1-1
30"X30"
STOP
R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

HORIZON BLVD
HORIZON BLVD R/L
SEE NOTE 3

MAINTAIN ACCESS TO 1532 S GREEN BY RD ENTRANCE DURING NORMAL BUSINESS HOURS. CONSTRUCT THE ACCESS POINT IN HALVES TO MAINTAIN ACCESS.

R3-2
24"X24"

SEE NOTE 2

ONE WAY
R6-2R
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

SEE NOTE 2

SEE NOTE 2

+34
66' LT

+86
77' LT

+88
68' LT

9+00

+43
29' LT

178+00 179+00 180+00 181+00 182+00 183+00

25'

STH 31 R/L

+77
16' RT

+40
6' LT

R50'

R30'

TWL
TW
TW6
TA
TY6
25'
+97
26' RT
25'

11'
11'
11'

STH 31

SIGN
LANDSCAPED AREA
ASPHALT

SPEED LIMIT
35
R2-1
24"X30"

ONE WAY
R6-2R
24"X30"

Wright Ave
NEXT SIGNAL
REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.

R3-2
24"X24"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADDADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. CONSTRUCT INTERSECTION IN HALVES. MAINTAIN LOCAL ACCESS AT ALL TIMES

MATCH LINE 177+50

SHEET 205 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 520 E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 5:48 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKING AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. MAINTAIN ACCESS TO CNH ENTRANCE DURING NORMAL BUSINESS HOURS. CONSTRUCT THE ENTRANCE IN HALVES TO MAINTAIN ACCESS. DRIVEWAY MAY BE FULLY CLOSED DURING NON-BUSINESS HOURS.

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

WRIGHT AVE

12' 12' 14'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

SEE NOTE 3
SEE NOTE 1
SEE NOTE 2
SEE NOTE 2
SEE NOTE 2

+00
69' LT
+42
64' LT
+42
42' LT

LANDSCAPED AREA

184+00
185+00
186+00
187+00
188+00
189+00

+71
6' LT
+16
1' LT
+40
1' LT
+82
1' LT
+55
10' RT
+55
21' RT
+86
10' RT
+86
21' RT
+86
31' RT
+15
21' RT

TWL
TW6
TY6
TW10
STH 31 R/L
R60'
R40'
25'
11'
10'
STH 31
10+00
WRIGHT AVE R/L
WRIGHT AVE
11+00

BEGIN LEFT TURN LANE
R3-20L
24"X36"

W03-3

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

M4-60D
30"X24"
6' TEMPORARY PEDESTRIAN BARRICADE

MOUNT ON QUICK RELEASE FIXED BASE
W6-4
12"X18"

M4-60D
30"X24"
6' TEMPORARY PEDESTRIAN BARRICADE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

12' 12' 12'

MATCH LINE 183+50

MATCH LINE 189+50

2

SHEET 206 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 521	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 15
PLOT DATE : 7/15/2025 5:48 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 195+50

2

SEE NOTE 2

R3-2
24"X24"

190+00
191+00
192+00
193+00
194+00
195+00

STH 31

STH 31 R/L

25'
+54
21' RT

+35
21' RT

25'
+54
31' RT

TWL
TW6
TW10
TW
TA

11'
11'
10'
11'
11'

REUSE EXISTING
SIGN AS TRAFFIC
CONTROL SIGN

Washington Ave
NEXT SIGNAL

JCT
20
M2-1
21"X15"
M1-6
24"X24"

R3-2
24"X24"

BEGIN
LEFT
TURN
LANE
R3-20L
24"X36"

ONE
WAY
R6-2R
24"X30"

W03-3

R3-2
24"X24"

ONE
WAY
R6-2R
24"X30"

ONE
WAY
R6-2R
24"X30"

M3-2
24"X12"
EAST
WEST
M3-4
24"X12"
M1-6
24"X24"
20
20
M1-6
24"X24"
M5-1L
21"X21"
M5-1R
21"X21"

ASPHALT

NOTES:

1. UTILIZE EXISTING PAVEMENT MARKINGS ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.

MATCH LINE 189+50

SHEET 207 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 522	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 16

PLOT DATE : 7/15/2025 5:48 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:

1. UTILIZE EXISTING PAVEMENT MARKING ON SIDEROAD UNTIL SIDEROAD IS RECONSTRUCTED. USE PROPOSED PAVEMENT MARKINGS AFTER SIDEROAD IS CONSTRUCTED. ADD ADDITIONAL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGING PLANS AT THE START OF THE STAGE AND AFTER RECONSTRUCTION OF THE SIDEROAD.
2. REMOVE EXISTING INLET.
3. CLOSE INTERSECTION FOR UP TO 21 CALENDAR DAYS TO CONSTRUCT INTERSECTION. SEE CONSTRUCTION DETAIL FOR TRAFFIC CONTROL LAYOUT WHEN INTERSECTION IS CLOSED.
4. MAINTAIN ACCESS TO DENNY'S PARKING LOT AT ALL TIMES. CONSTRUCT DRIVEWAY AND TRAVEL LANES ADJACENT TO DRIVEWAY IN STAGES TO MAINTAIN ACCESS.

MAINTAIN ACCESS TO WALMART ENTRANCE DURING NORMAL BUSINESS HOURS. CONSTRUCT THE ACCESS POINT IN HALVES TO MAINTAIN ACCESS.

SEE NOTE 2

SEE NOTE 4

SEE NOTE 2

SEE NOTE 2

R3-2 24"X24"

R3-2 24"X24"

R3-2 24"X24"

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

196+00 197+00 198+00 199+00 200+00

STH 31 R/L

STH 31

25'

25'

R50'

R1261'

R1272'

R1250'

R1284'

+97 15' LT

+66 10' LT

+10 18' RT

+10 26' RT

11' 11' 10' 11' 11'

TWL TW6 TY6 TW6 TW TW10

R3-2 24"X24"

WEST 20 M3-4 24"X12" M1-6 24"X24" M5-1L 21"X21"

EAST 20 M3-2 24"X12" M1-6 24"X24" M5-1R 21"X21"

H D9-2 24"X24" MB6-2 21"X21"

H D9-2 24"X24" MB6-1 21"X21"

WEST 20 M3-4 24"X12" M1-6 24"X24" M6-1 21"X21"

EAST 20 M3-2 24"X12" M1-6 24"X24" M6-1 21"X21"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 195+50

MATCH LINE STA 200+25

N

SHEET 208 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 523	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 17

PLOT DATE : 7/15/2025 5:48 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 384+75

MATCH LINE 206+25

MATCH LINE STA 200+25

MATCH LINE 388+00

STH 20

STH 31

ESTR SOUTH 31

ESTR WEST 20

ESTR EAST WEST 20 20

ESTR EAST 20

ESTR NORTH 31

ESTR SPEED LIMIT 35

ESTR ONE WAY

ESTR DO NOT ENTER

ESTR YIELD

ESTR WRONG WAY

ESTR BEGIN LEFT TURN LANE

ON OVERHEAD SIGN SUPPORT

COVERING SIGNS TYPE II

WO1-4BL

REMOVE INLET

DETOUR M4-9BR 30"X24"

DETOUR M4-9BL 30"X24"

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

12' TEMP PED

TEMPORARY PED BARRICADE

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

MOUNT ON QUICK RELEASE FIXED BASE W6-4 12"X18"

WO1-6 48"X24"

R1-2 36"X31"

END ROAD WORK G20-2A 48"X24"

+48 66' LT

+62 58' LT

SEE NOTE 1

+37 43' LT

+82 54' LT

+35 54' LT

+42 16' LT

+90 20' LT

+75 8' LT

+56 5' RT

+56 7' RT

+57 17' RT

+86 1' RT

+88 7' RT

+55 55' RT

+56 55' RT

+08 32' LT

+10 21' LT

+12 10' LT

+43 2' LT

+83 40' LT

+84 29' LT

+85 18' LT

+86 7' LT

+04 4' RT

+21 47' LT

+29 36' LT

+29 25' LT

+29 14' LT

85' R

105' R

80' R

R1522'

R1511'

R1500'

R1489'

TW6

TW10

TA

TW

TY6

TYS

TSB

201+00

202+00

203+00

204+00

205+00

206+00

387+00

386+00

11' 11' 11' 11' 10' 10'

NOTES:

1. COVER EXISTING WARNING FIELD. SEE CONSTRUCTION DETAIL "COVERING OF DETECTABLE WARNING FIELDS DURING CONSTRUCTION."

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 209 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B	SHEET 524	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:49 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR JCT 20

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR ONE WAY

ESTR

NEWMAN RD

ONLY

TW10

TY6

+34 25' LT

+34 14' LT

+19 25' LT

25'

11'

207+00

208+00

209+00

210+00

211+00

212+00

STH 31 R/L

STH 31

10'

ESTR BEGIN LEFT TURN LANE

ESTR DO NOT ENTER

RIPRAP

WALLS

MATCH LINE 206+25

MATCH LINE 212+25

SHEET 210 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 525	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 19

PLOT DATE : 7/15/2025 5:49 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 218+25

N

WO12-1D
24"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR

ESTR
SPEED LIMIT
35

245' MERGE TAPER

ESTR
Newman Rd
NEXT SIGNAL

25'

10'
11'

213+00 214+00 215+00 216+00 217+00 218+00

STH 31 R/L

STH 31

11'
11'
10'

ESTR
SPEED LIMIT
35

ESTR
SPEED LIMIT
35

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

A/C

ANT.

MATCH LINE 212+25

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 211 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 526	E

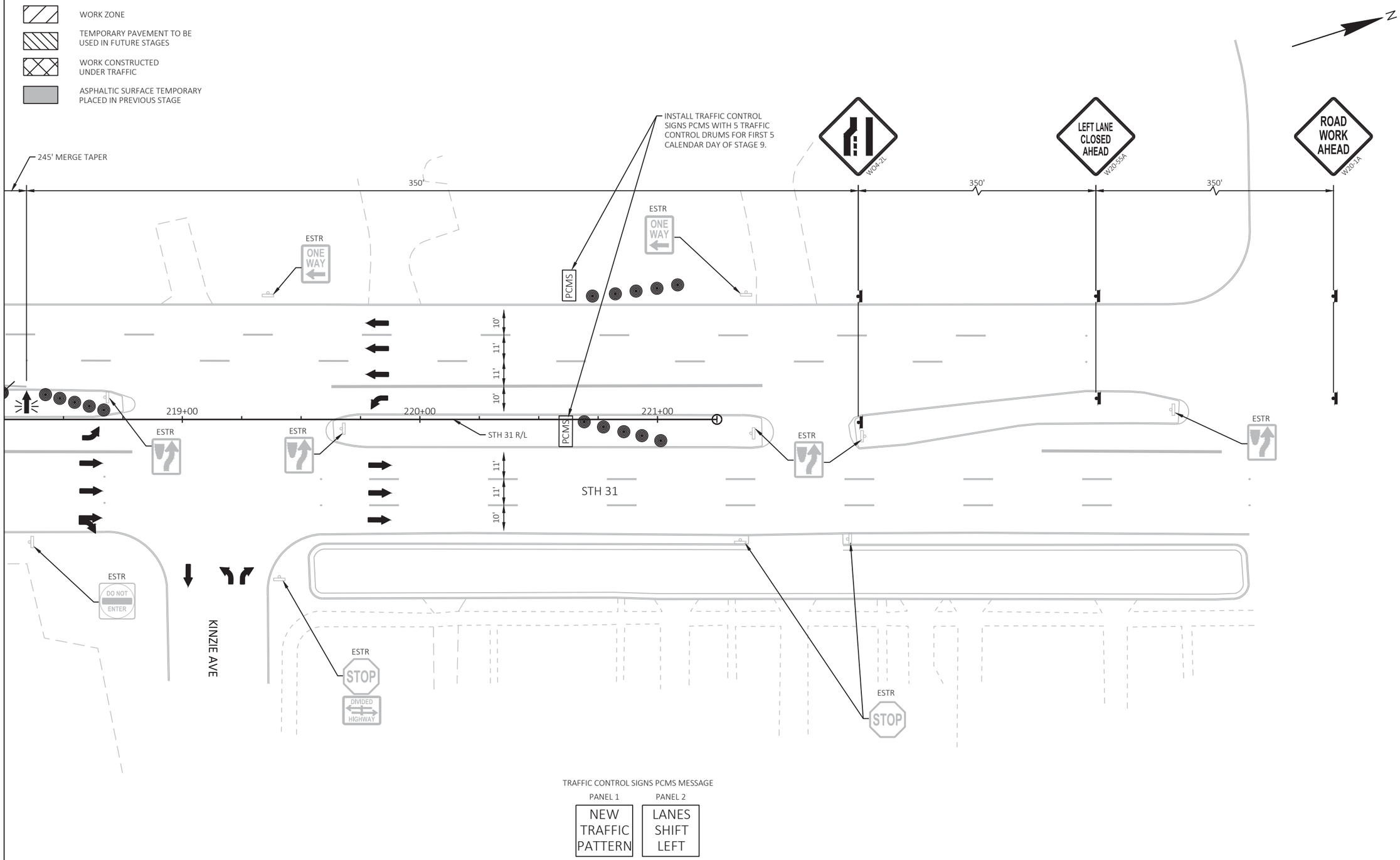
FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 20

PLOT DATE : 7/15/2025 5:49 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE



TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	LANES SHIFT LEFT

SHEET 212 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 527	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 21
PLOT DATE : 7/15/2025 5:49 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE 378+75

MATCH LINE 372+75

VILLAGE CENTER DR

VILLAGE CENTER DR

STH 20

STH 20 R/L

373+00

374+00

375+00

376+00

377+00

378+00

12'

12'

12'

12

12'

12'

12'

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

DO NOT ENTER

ONE WAY

JCT 31

YIELD

ONLY

ONLY

GUY

OH

WV

TEL

SS

GV

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 213 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B	SHEET 528	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 5:49 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 384+75

MATCH LINE 378+75

ESTR
NORTH EAST SOUTH
31 20 31

ESTR
BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

ESTR

ESTR
Mount Pleasant
POPULATION 26,197

ESTR
NORTH
31

ON OVERHEAD SIGN SUPPORT
ESTR
ONLY

ESTR
ONLY

ESTR
SPEED LIMIT
35

STH 20

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12' 12' 12'

12' 12' 12'

10' 11' 11' 11' 10'

ESTR
NORTH SOUTH
31 31

M3-3
24"X12"
SOUTH
M1-6
24"X24"
31

ROAD WORK AHEAD
W20-1A

FOUND

U/C

ESTR
BEGIN LEFT TURN LANE

ESTR
ONE WAY

ESTR
EAST
20

ESTR
Racine
Milwaukee
Kenosha

ESTR
WRONG WAY

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 214 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B	SHEET 529	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:49 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 388+00

2

N

ESTR
WEST NORTH
20 31

FLAG

ESTR
NORTH
31

ESTR
BEGIN LEFT TURN LANE

ESTR

ESTR
SOUTH NORTH
31 31

ROAD WORK AHEAD
W20-1A
PLACE SIGN AT STA 397+00

STH 20

10'
11'
11'
11'
11'

25'

388+00
389+00
390+00
391+00
392+00
393+00
394+00

12'
12'
12'

STH 20 R/L

FLAG

CANOPY

ESTR

ESTR
SOUTH
31

ESTR

ON OVERHEAD SIGN SUPPORT
SIGN COVERED IN A PREVIOUS STAGE

ESTR
ONE WAY

ESTR
ONE WAY

END ROAD WORK
G20-2A
48"X24"

ESTR
TRUCK

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9A-9B-9C	SHEET 530	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026017-S9A-9B.DWG
LAYOUT NAME - 29
PLOT DATE : 7/15/2025 5:49 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE STA 200+25

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"

R3-2
24"X24"

R3-2
24"X24"

STH 31

196+00 197+00 198+00 199+00 200+00

25'

25'

STH 31 R/L

11'
10'
11'
11'

R3-2
24"X24"

WEST 20
M3-4 24"X12"
M1-6 24"X24"
M5-1L 21"X21"

EAST 20
M3-2 24"X12"
M1-6 24"X24"
M5-1R 21"X21"

H
D9-2 24"X24"
MB6-2 21"X21"

H
D9-2 24"X24"
MB6-1 21"X21"

WEST 20
M3-4 24"X12"
M1-6 24"X24"
M6-1 21"X21"

EAST 20
M3-2 24"X12"
M1-6 24"X24"
M6-1 21"X21"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 195+50

SHEET 216 OF 242

2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9C	SHEET 531	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026018-S9C.DWG
LAYOUT NAME - 17

PLOT DATE : 7/15/2025 5:50 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 384+75

MATCH LINE 206+25

2

ESTR SOUTH 31

TW10

385+00

11' 11' 11' 10' 10'

ESTR WEST 20

ESTR ONE WAY

ESTR YIELD

ESTR DETOUR M4-9BL 30"X24"

ESTR

ON OVERHEAD SIGN SUPPORT

ESTR ONLY ESTR ONLY

SIGNS COVERED IN PREVIOUS STAGE

WO1-4BL

ESTR EAST 20 WEST 20

12' TEMP PED BARR.

6' TEMP PEDESTRIAN BARRICADE

STH 20

ESTR DO NOT ENTER

ESTR M4-9BR 30"X24" DETOUR

WO1-6 48"X24"

DETOUR M4-9BL 30"X24"

SIDEWALK CLOSED R9-9 24"X12" DETOUR M4-9BL 30"X24"

386+00

TRUCK M4-4 24"X12" R3-1 24"X24"

ESTR ONE WAY

ESTR DO NOT ENTER

TW6

201+00 202+00 203+00 204+00 205+00 206+00

10' 11' 11' 11' 25'

STH 31 R/L

MOUNT ON QUICK RELEASE FIXED BASE

W6-4 12"X18"

EB TRUCKS NO RIGHT TURN CONSTRUCT REMAINING SLABS USING HES CONCRETE PAVEMENT

ESTR ONE WAY

SIDEWALK CLOSED R9-9 24"X12" DETOUR M4-9BR 30"X24"

ESTR DO NOT ENTER

6' TEMP PED BARRICADE

STH 20 R/L

387+00

ESTR

DETOUR M4-9BL 30"X24"

DETOUR M4-9BR 30"X24"

ESTR

STH 31

11' 11' 11'

ESTR NORTH 31

ESTR SPEED LIMIT 35

ESTR EAST 20

ESTR SPEED LIMIT 35

END ROAD WORK G20-2A 48"X24"

ESTR WRONG WAY

ESTR YIELD

ESTR DO NOT ENTER

ESTR ONE WAY

R1-2 36"X31"

ESTR SPEED LIMIT 35

STH 20

388+00

MATCH LINE 388+00

ESTR BEGIN LEFT TURN LANE

MATCH LINE STA 200+25

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 217 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9C	SHEET 532	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026018-S9C.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:50 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 372+75

2

ESTR STOP DIVIDED HIGHWAY

HUNTER DR

ESTR

ESTR WRONG WAY

ESTR Emmertsen Dr NEXT SIGNAL

ESTR SPEED LIMIT 35

ESTR Hwy 94-41 5 Waterford 20

12'

12'

12'

367+00 368+00 369+00 370+00 371+00 372+00

STH 20 R/L

STH 20

ESTR ONE WAY

ESTR SPEED LIMIT 35

ESTR Village Center Dr NEXT SIGNAL

ESTR BEGIN LEFT TURN LANE

ESTR Frank Lloyd Wright Designed Buildings Wingspread SC Johnson

350'

350

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5R

SHEET 218 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9C	SHEET 533	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026018-S9C.DWG
LAYOUT NAME - 26

PLOT DATE : 7/15/2025 5:50 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 378+75

2

VILLAGE CENTER DR

ESTR

ESTR DO NOT ENTER

ESTR

ESTR

ESTR YIELD

ESTR

ESTR

ESTR ONE WAY

ESTR

ESTR JCT 31

STH 20

12'

12'

12'

12'

12'

12'

373+00

374+00

375+00

376+00

377+00

378+00

STH 20 R/L

+01
49' RT

TW6

25'

GUY

OH

WV

TEL

SS

GV

VILLAGE CENTER DR

ONLY

ONLY

350'

350'

245' MERGE TAPER

MATCH LINE 372+75

W04-2R

SHEET 219 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9C	SHEET 534	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026018-S9C.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 5:51 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 384+75

2

ESTR NORTH EAST SOUTH 31 20 31

ESTR BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

ESTR

ESTR Mount Pleasant POPULATION 26,197

ESTR NORTH 31

ON OVERHEAD SIGN SUPPORT
ESTR ONLY
ESTR ONLY

ESTR SPEED LIMIT 35

STH 20

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12' 12' 12'

10' 11' 11' 10'

+46 37' RT

25'

TW6

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

+64 36' RT

TW10

+65 49' RT

+87 48' RT

ESTR BEGIN LEFT TURN LANE

ESTR ONE WAY

ESTR WRONG WAY

WO12-1D
24X"24"

ESTR NORTH SOUTH 31 31

ESTR EAST 20

U/C

245' MERGE TAPER

MATCH LINE 378+75

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR
Racine
Milwaukee
Kenosha

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

SHEET 220 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 9C	SHEET 535	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026018-S9C.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:51 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 141+50

2

REGENCY POINT ENTRANCE

REGENCY POINT R/L

Regency West Dr
NEXT SIGNAL

SEMIS
USE
REGENCY
WEST DRIVE

STH 31

STH 31 R/L

HIGH RIDGE R/L

HIGH RIDGE ENTRANCE

ROAD WORK AHEAD
W20-1A

DO NOT ENTER

WRONG WAY

ONE WAY

BEGIN LEFT TURN LANE

PSIP

ASPHALT

CONCRETE RUMBLE STRIP

LANDSCAPED AREA

136+00 137+00 138+00 139+00 140+00 141+00

11' 11' 10'

10' 10'

11+00

21'

16'

SHEET 221 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 536	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 07

PLOT DATE : 7/15/2025 5:51 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 147+50

2

PSIP DO NOT ENTER

PSIP

PSIP WRONG WAY

PSIP BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

PSIP SPEED LIMIT 35

PSIP SOUTH 31

ASPHALT

STH 31

11'
11'
10'

STH 31 R/L

CONCRETE RUMBLE STRIP

142+00 143+00 144+00 145+00 146+00 147+00

PCMS

ASPHALT

10'
11'
11'

PSIP NORTH 31

PSIP SPEED LIMIT 35

PSIP 21st ST NEXT SIGNAL

PSIP BEGIN LEFT TURN LANE

W04-2L

PSIP WRONG WAY

PSIP

LEFT LANE CLOSED AHEAD
W20-5SA

INSTALL TRAFFIC CONTROL SIGNS PCMS AND 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAYS OF STAGE 10

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

MATCH LINE 141+50

SHEET 222 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 537	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 5:51 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 153+50

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

21ST ST

21ST ST R/L

11' 12' 11'

11' 11'

PSIP ONE WAY

PSIP DO NOT ENTER

PSIP CITY OF RACINE RESIDENTIAL DROP OFF

PSIP WRONG WAY

PSIP TURNING VEHICLES TO

WO12-1D
48"X48"

STH 31

+77
24' LT

+05
6' LT

+06
6' RT

STH 31 R/L

148+00

149+00

150+00

151+00

152+00

153+00

P P 25'

11' 11'

TW10

TY6

8:1 TAPER

25'

245' MERGE TAPER

11+00

21ST ST

21ST ST R/L

PSIP SPEED LIMIT 35

WO1-4BR

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 147+50

SHEET 223 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 538	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 5:51 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

JOANNE DR

JOANNE DR R/L

SEE NOTE 2

PSIP 21st ST NEXT SIGNAL

PSIP DO NOT ENTER

PSIP STOP RIGHT TURN ONLY

PSIP BEGIN LEFT TURN LANE

PSIP ONE WAY

SPEED LIMIT 35 R2-1 24"X30"

PSIP SPEED LIMIT 35

ONE WAY R6-2R 24"X30"

MARGERY DR

MARGERY DR R/L

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

PSIP DO NOT ENTER

MATCH LINE 159+50

+54 24' LT

+49 24' LT

8:1 TAPER

STH 31

STH 31 R/L

25'

TY6

11'

11'

154+00

155+00

156+00

157+00

158+00

159+00

SEE NOTE 1

WO1-6 48" X 24" TYPE III BARRICADE

R3-2 24"X24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING SIDEROADS WAS PLACED IN A PREVIOUS STAGE.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 153+50

SHEET 224 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 539	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2025 5:52 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL TO 10 FEET FROM 50 FEET SOUTH OF CASTLE CT TO 50 FEET UPSTREAM OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKINGS ON SIDEROADS WAS PLACED IN PREVIOUS STAGE.

MATCH LINE 159+50

MATCH LINE 165+50

STH 31

STH 31 R/L

GREENLEAF BLVD

GREENLEAF BLVD R/L

CASTLE CT

CASTLE CT R/L

160+00 161+00 162+00 163+00 164+00 165+00

9+00 11+00

25'

11'

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

WRONG WAY R5-1A 36"X24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R1-1 30"X30" STOP

R6-1R 36"X12" ONE WAY

R3-2 24"X24"

R6-2R 24"X30" ONE WAY

W14-2 30"X30" NO OUTLET

SEE NOTE 1

SEE NOTE 2

P

TY6

CONCRETE

ASPHALT

SIGN

N

SHEET 225 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 540	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 11

PLOT DATE : 7/15/2025 5:52 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:
1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROMO50 FEET SOUTH OF CASTLE CT TO 50 FEET UPSTREAM OF SUNSET BLVD. USE 25 FOOT SPACING IN OTHER AREAS.
2. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
3. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.

2

MATCH LINE 165+50

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

SUNSET BLVD

SUNSET BLVD R/L

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R1-1
30"X30"
STOP
R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

SEE NOTE 3

R9-11AL
24"X12"

R3-2
24"X24"

ONE WAY
R6-2R
24"X30"

SEE NOTE 1

P

TY6

11'
11'
25'

STH 31

SEE NOTE 2

166+00
167+00
168+00
169+00
170+00
171+00

STH 31 R/L

R3-2
24"X24"

M4-60L
30"X24"

11+00

BYRD AVE

SEE NOTE 3

BYRD AVE R/L

SPEED LIMIT
35
R2-1
24"X30"

END ROAD WORK
G20-2A
48"X24"

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

ADJUST MANHOLE COVER TO FINAL GRADE

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN.
16th St
NEXT SIGNAL

W10-3

R3-2
24"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

LINCOLN VILLAGE DR

LINCOLN VILLAGE R/L

SEE NOTE 3

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R1-1
30"X30"
STOP
R6-1R
36"X12"
ONE WAY
R3-2
24"X24"

MATCH LINE 171+50

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 226 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 541	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 12

PLOT DATE : 7/15/2025 5:52 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN
CITY OF RACINE RESIDENTIAL DROP OFF

WO1-6
48" X 24"
TYPE III BARRICADE

ONE WAY
R6-2L
24"X30"

16TH ST R/L

SPEED LIMIT 35
R2-1
24"X30"

R3-2
24"X24"

DO NOT ENTER
R5-1
30"X30"

WRONG WAY
R5-1A
36"X24"

STH 31

SEE NOTE 1

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

SEE NOTE 5

STH 31 R/L

16TH ST

LANDSCAPED AREA

CONCRETE RUMBLE STRIP

ASPHALT

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R5-2
24"X24"

M3-1
24"X12"
M1-6
24"X24"
NORTH
31

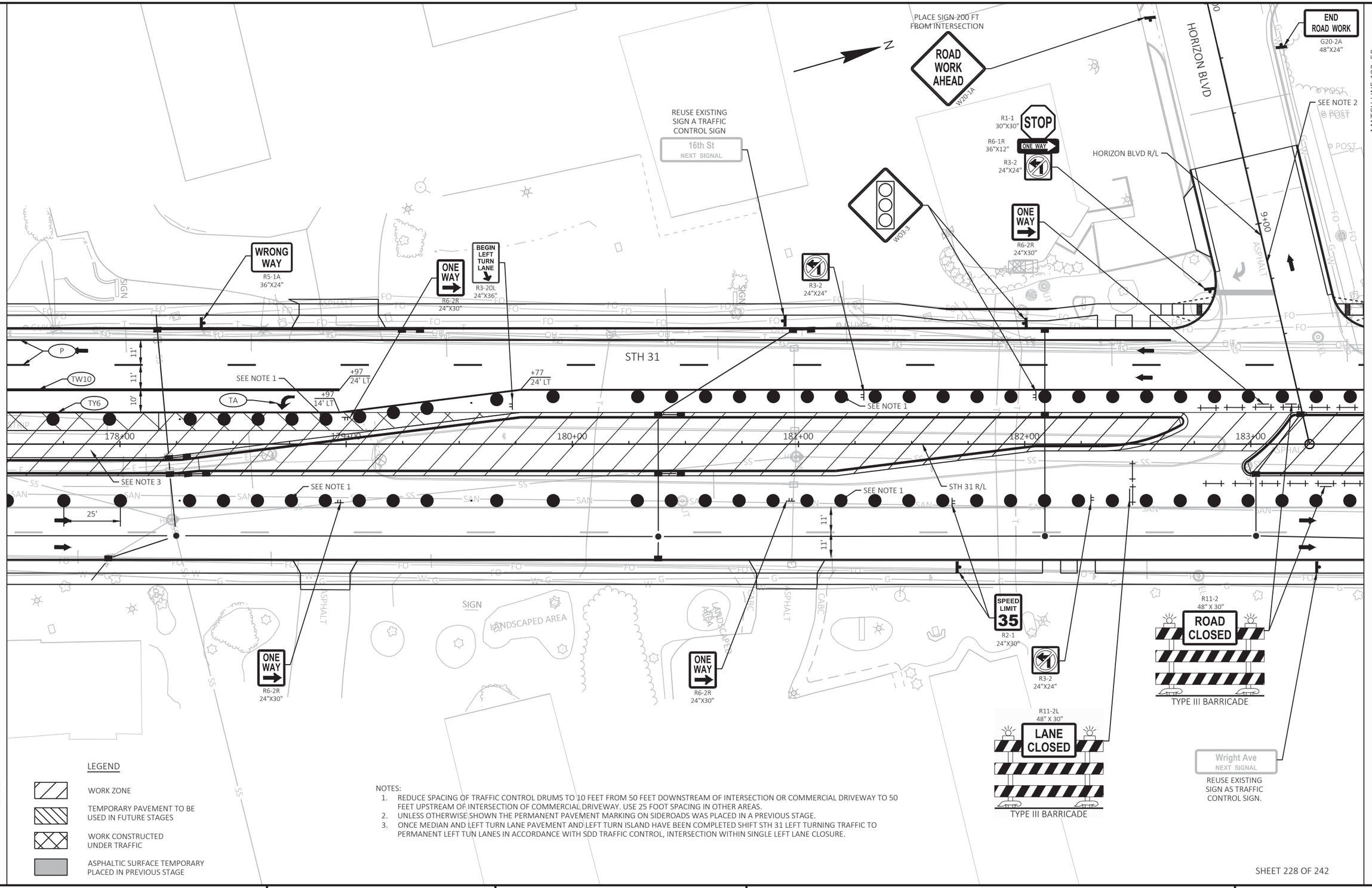
MATCH LINE 171+50

MATCH LINE 177+50

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
3. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 SO THAT ONE IS OPEN AT ALL TIMES. SEE MEDIAN SIDEWALK CLOSURE DETAIL FOR CROSSWALK CLOSURE.
4. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TUN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.
5. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.

2



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OF COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
3. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TUN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.

SHEET 228 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 543	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 14
PLOT DATE : 7/15/2025 5:52 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 183+50

MATCH LINE 189+50

2

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

WO1-6
48" X 24"
TYPE III BARRICADE

WRIGHT AVE

SEE NOTE 2

ONE WAY
R6-2L
24"X30"

DO NOT ENTER
R5-1
30"X30"

12' 12' 18'

ASPHALT

LANDSCAPED AREA

STH 31

11' 11'

25'

+38
22' LT

+71
14' LT

+77
10' LT

R4-7
24"X30"

R4-7
24"X30"

70' R

SEE NOTE 5

+73
22' LT

SEE NOTE 3

R75'

+89
12' LT

TW10

TA

TW

SEE NOTE 1

184+00

185+00

186+00

187+00

188+00

189+00

STH 31 R/L

+93
5' RT

5' R

+92
12' RT

+47
1' RT

5' R

+46
8' RT

+63
23' RT

+54
23' RT

+71
21' RT

+77
19' RT

SEE NOTE 3

TY6

TY6

70' R

+69
26' RT

+99
33' RT

10+00

P

SEE NOTE 4

10'

11'

11'

25'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO3-3

WRONG WAY
R5-1A
36"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

DO NOT ENTER
R5-1
30"X30"

ONE WAY
R6-2L
24"X30"

WO1-6
48" X 24"
TYPE III BARRICADE

SEE NOTE 2

12' 12' 12'

WRIGHT AVE R/L

11+00

WRIGHT AVE

PLACE SIGN 200 FT FROM INTERSECTION
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.
3. ALTERNATE CLOSURE OF CROSSWALKS ACROSS STH 31 SO THAT ONE IS OPEN AT ALL TIMES. SEE MEDIAN SIDEWALK CLOSURE DETAIL FOR CROSSWALK CLOSURE.
4. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TUN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.
5. CLOSE INTERSECTION FOR UP TO 7 CALENDAR DAYS USING HIGH EARLY STRENGTH CONCRETE PAVEMENT. SEE INTERSECTION CLOSURE SCHEDULE.

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 544	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 15
PLOT DATE : 7/15/2025 5:52 PM
PLOT BY : BLACKWOOD, JIM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

MATCH LINE 195+50

2

WRONG WAY
R5-1A
36"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

SEE NOTE 1

STH 31

+15
22' LT

+15
12' LT

+95
22' LT

11'

11'

P

TA

TW10

SEE NOTE 2

TY6

10'

190+00

191+00

192+00

193+00

194+00

195+00

STH 31 R/L

SEE NOTE 1

25'

Washington Ave
NEXT SIGNAL

REUSE EXISTING SIGN AS TRAFFIC CONTROL SIGN

JCT
20

M2-1
21"X15"

M1-6
24"X24"

WO3-3

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

ONE WAY
R6-2R
24"X30"

M3-4
24"X12"

M3-2
24"X12"

WEST
EAST

20
20

M1-6
24"X24"

M1-6
24"X24"

M5-1L
21"X21"

M5-1R
21"X21"

WRONG WAY
R5-1A
36"X24"

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. ONCE MEDIAN AND LEFT TURN LANE PAVEMENT AND LEFT TURN ISLAND HAVE BEEN COMPLETED SHIFT STH 31 LEFT TURNING TRAFFIC TO PERMANENT LEFT TURN LANES IN ACCORDANCE WITH SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.

MATCH LINE 189+50

SHEET 230 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 545	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 16

PLOT DATE : 7/15/2025 5:53 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE STA 200+25

2

SEE NOTE 2

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

STH 31

SEE NOTE 1

P

TY6

11'

11'

25'

25'

196+00

197+00

198+00

199+00

200+00

STH 31 R/L

SEE NOTE 1

10'

11'

11'

25'

10'

10'

10'

10'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

M3-2
24"X12"
EAST
M1-6
24"X24"
20
M5-1R
21"X21"

WEST
20
M3-4
24"X12"
M1-6
24"X24"
M5-1L
21"X21"

H
D9-2
24"X24"
MB6-2
21"X21"

ONE WAY
R6-2R
24"X30"

H
D9-2
24"X24"
MB6-1
21"X21"

M3-4
24"X12"
WEST
M1-6
24"X24"
20
M6-1
21"X21"

EAST
M3-2
24"X12"
20
M1-6
24"X24"
M6-1
21"X21"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

NOTES:

1. REDUCE SPACING OF TRAFFIC CONTROL DRUMS TO 10 FEET FROM 50 FEET DOWNSTREAM OR COMMERCIAL DRIVEWAY TO 50 FEET UPSTREAM OF INTERSECTION OR COMMERCIAL DRIVEWAY. USE 25 FOOT SPACING IN OTHER AREAS.
2. UNLESS OTHERWISE SHOWN THE PERMANENT PAVEMENT MARKING ON SIDEROADS WAS PLACED IN A PREVIOUS STAGE.

MATCH LINE 195+50

SHEET 231 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 546	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 17

PLOT DATE : 7/15/2025 5:53 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

MATCH LINE 384+75

MATCH LINE 206+25

MATCH LINE STA 200+25

MATCH LINE 388+00

STH 20

STH 31

STH 31 R/L

STH 20 R/L

ESTR SOUTH 31

ESTR WEST 20

ESTR EAST WEST 20 20

ESTR NORTH 31

ESTR EAST 20

ESTR ONE WAY

ESTR DO NOT ENTER

ESTR YIELD

ESTR SPEED LIMIT 35

ESTR WRONG WAY

ESTR BEGIN LEFT TURN LANE

TW10

TWS

TY6

P

R85'

10'

11'

12'

25'

+92 64' LT

+09 24' LT

+02 24' LT

+05 10' LT

+04 0' LT

+45 55' RT

+66 14' LT

+66 3' LT

+33 25' LT

+97 25' LT

385+00

386+00

387+00

201+00

202+00

204+00

205+00

206+00

6' TEMP PED BARR.

6' TEMP PED BARRICADE

R9-9 24"X12"

M4-9BL 30"X24"

M4-9BR 30"X24"

R4-7 24"X30"

R1-2 36"X31"

SIDEWALK CLOSED

DETOUR

ON OVERHEAD SIGN SUPPORT

ESTR ONLY

ESTR ONLY

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

WO12-1D 24"X24"

WO1-6 48" X 24"

TYPE III BARRICADE

WB STH 20 TO SB STH 31 TRUCKS NO LEFT TURN
CONSTRUCT REMAINING SLABS
WITH HES CONCRETE PAVEMENT

END ROAD WORK
G20-2A 48"X24"

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 232 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A	SHEET 547	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:53 PM

PLOT BY : BLACKWOOD, JIM

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

PLACE SIGN 200 FT FROM INTERSECTION

ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ESTR JCT 20

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR ONE WAY

ESTR DO NOT ENTER

NEWMAN RD

ONLY

TY6

25'

+19
25' LT

11'
10'

207+00
208+00
209+00
210+00
211+00
212+00

STH 31 R/L

STH 31

RIPRAP

WALLS

MATCH LINE 206+25

MATCH LINE 212+25

SHEET 233 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 548	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 19

PLOT DATE : 7/15/2025 5:53 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 218+25

N

WO12-1D
24"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ESTR

ESTR
SPEED LIMIT
35

245' MERGE TAPER

ESTR
Newman Rd
NEXT SIGNAL

25'

10'
11'

213+00 214+00 215+00 216+00 217+00 218+00

STH 31 R/L

STH 31

11'
11'
10'

ESTR
SPEED LIMIT
35

ESTR
SPEED LIMIT
35

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

A/C

ANT.

MATCH LINE 212+25

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 234 OF 242

2

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 549	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 20

PLOT DATE : 7/15/2025 5:53 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

245' MERGE TAPER

INSTALL TRAFFIC CONTROL SIGNS PCMS WITH 5 TRAFFIC CONTROL DRUMS FOR FIRST 5 CALENDAR DAY OF STAGE 10.

W04-2L

LEFT LANE CLOSED AHEAD
W20-5A

ROAD WORK AHEAD
W20-1A

350'

350'

350'

ESTR
ONE WAY

ESTR
ONE WAY

PCMS

ESTR

10'
11'
11'
10'

219+00

220+00

221+00

STH 31 R/L

PCMS

ESTR

ESTR

ESTR

STH 31

11'
11'
10'

ESTR
DO NOT ENTER

KINZIE AVE

ESTR
STOP
DIVIDED HIGHWAY

ESTR
STOP

MATCH LINE 218+25

TRAFFIC CONTROL SIGNS PCMS MESSAGE

PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	AHEAD

SHEET 235 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 550	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 21

PLOT DATE : 7/15/2025 5:53 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 372+75

2

ESTR STOP DIVIDED HIGHWAY

HUNTER DR

ESTR

ESTR WRONG WAY

ESTR Emmertsen Dr NEXT SIGNAL

ESTR SPEED LIMIT 35

ESTR Hwy 94-41 5 Waterford 20

ESTR

12' 12' 12'

367+00 368+00 369+00 370+00 371+00 372+00

12'

ESTR

STH 20 R/L

12' 12' 12'

STH 20

ESTR ONE WAY

ESTR SPEED LIMIT 35

ESTR Village Center Dr NEXT SIGNAL

ESTR

ESTR BEGIN LEFT TURN LANE

ESTR Frank Lloyd Wright Designed Buildings Wingspread SC Johnson

350' 350'

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5R

SHEET 236 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 551	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 26

PLOT DATE : 7/15/2025 5:53 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 378+75

VILLAGE CENTER DR

ONLY

ESTR

ESTR DO NOT ENTER

ESTR

ESTR YIELD

ESTR

ESTR

ESTR

ESTR ONE WAY

ESTR JCT 31

STH 20

12'

12'

12'

12'

12'

12'

373+00

374+00

375+00

376+00

377+00

378+00

STH 20 R/L

GUY

OH

WV

TEL

SS

GV

+01
49' RT

TW6

25'

350'

350'

245' MERGE TAPER

MATCH LINE 372+75

WO4-2R

ONLY

VILLAGE CENTER DR

SHEET 237 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A	SHEET 552	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 5:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

N

MATCH LINE 384+75

2

ESTR NORTH EAST SOUTH 31 20 31

ESTR BEGIN LEFT TURN LANE

END ROAD WORK G20-2A 48"X24"

ESTR

ESTR Mount Pleasant POPULATION 26,197

ESTR NORTH 31

ON OVERHEAD SIGN SUPPORT
ESTR ONLY
ESTR ONLY

ESTR SPEED LIMIT 35

STH 20

12'
12'
12'

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12'
+46 37' RT
25'
TW6
+46 37' RT
BEGIN RIGHT TURN LANE R3-20R 24"X36"

+64 36' RT
+65 49' RT
TW10
+87 48' RT

10'
10'
12'

ESTR BEGIN LEFT TURN LANE
ESTR ONE WAY

ESTR WRONG WAY

WO12-1D 24X"24"

ESTR NORTH SOUTH 31 31

ESTR EAST 20

U/C

245' MERGE TAPER

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

ESTR Racine / Milwaukee / Kenosha

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

MATCH LINE 378+75

SHEET 238 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A	SHEET 553	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 388+00

N

PLACE SIGN AT
STA 397+00

ROAD WORK AHEAD
W20-1A

ESTR
WEST NORTH
20 31

FLAG

ESTR
NORTH
31

ESTR

ESTR
BEGIN LEFT TURN LANE

ESTR
SOUTH NORTH
31 31

TRUCK
M4-4
24"X12"
R3-1
24"X24"

10'
11'
11'
11'
11'

25'

388+00
389+00
390+00
391+00
392+00
393+00
394+00

12'
12'
12'

STH 20

STH 20 R/L

11'
11'
11'

ESTR
ONE WAY

ESTR
ONE WAY

END ROAD WORK
G20-2A
48"X24"

ESTR
TRUCK

ESTR

FLAG

CANOPY

ESTR
SOUTH
31

ESTR
ONLY

ESTR
ONLY

ON OVERHEAD SIGN
SUPPORT
SIGN COVERED IN A
PREVIOUS STAGE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

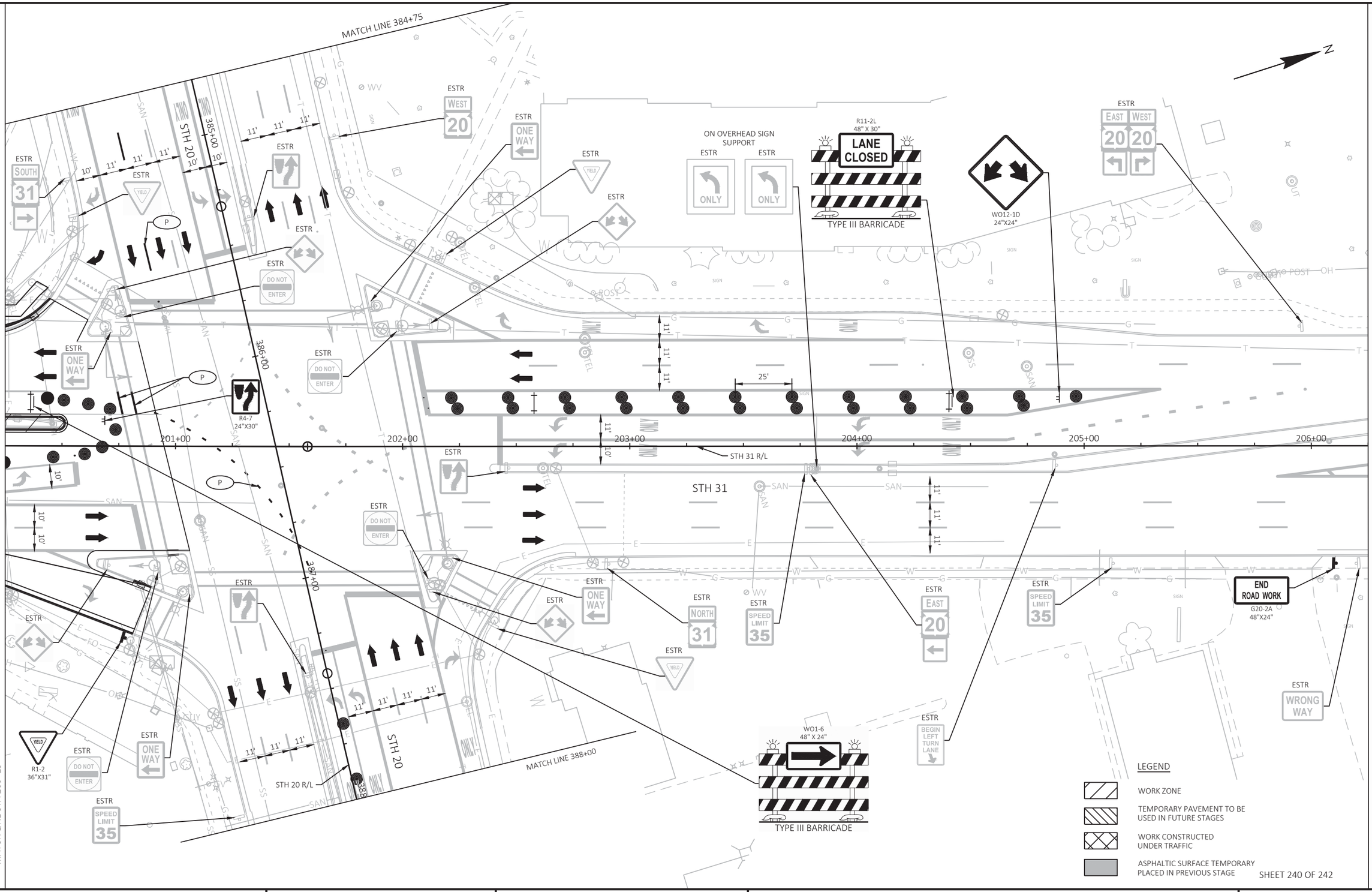
SHEET 239 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10A-10B	SHEET 554	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026019-S10A.DWG
LAYOUT NAME - 29

PLOT DATE : 7/15/2025 5:54 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



SHEET 240 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10B	SHEET 555	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026020-S10B.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 5:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 378+75

MATCH LINE 372+75

VILLAGE CENTER DR

VILLAGE CENTER DR

STH 20

STH 20 R/L

373+00

374+00

375+00

376+00

377+00

378+00

12'

12'

12'

12'

12'

12'

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

ESTR

DO NOT ENTER

ONE WAY

JCT 31

YIELD

ONLY

ONLY

GUY

OH

WV

TEL

SS

GV

P

LEGEND

WORK ZONE

TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES

WORK CONSTRUCTED UNDER TRAFFIC

ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

SHEET 241 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10B	SHEET 556	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026020-S10B.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 5:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 384+75

MATCH LINE 378+75

ESTR
NORTH EAST SOUTH
31 20 31

ESTR
BEGIN LEFT TURN LANE

END ROAD WORK
G20-2A
48"X24"

ESTR

ESTR
Mount Pleasant
POPULATION 26,197

ESTR
NORTH
31

ON OVERHEAD SIGN SUPPORT
ESTR ESTR
ONLY ONLY

ESTR
SPEED LIMIT
35

STH 20

379+00 380+00 381+00 382+00 383+00 384+00

STH 20 R/L

12' 12' 12'

10' 11' 11' 11' 10'

ESTR
NORTH SOUTH
31 31

M3-3
24"X12"
SOUTH
M1-6
24"X24"
31

ROAD WORK AHEAD
W20-1A

FOUND

U/C

ESTR
EAST
20

ESTR
BEGIN LEFT TURN LANE

ESTR
ONE WAY

ESTR
Racine
Milwaukee
Kenosha

ESTR
WRONG WAY

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK CONSTRUCTED UNDER TRAFFIC
- ASPHALTIC SURFACE TEMPORARY PLACED IN PREVIOUS STAGE

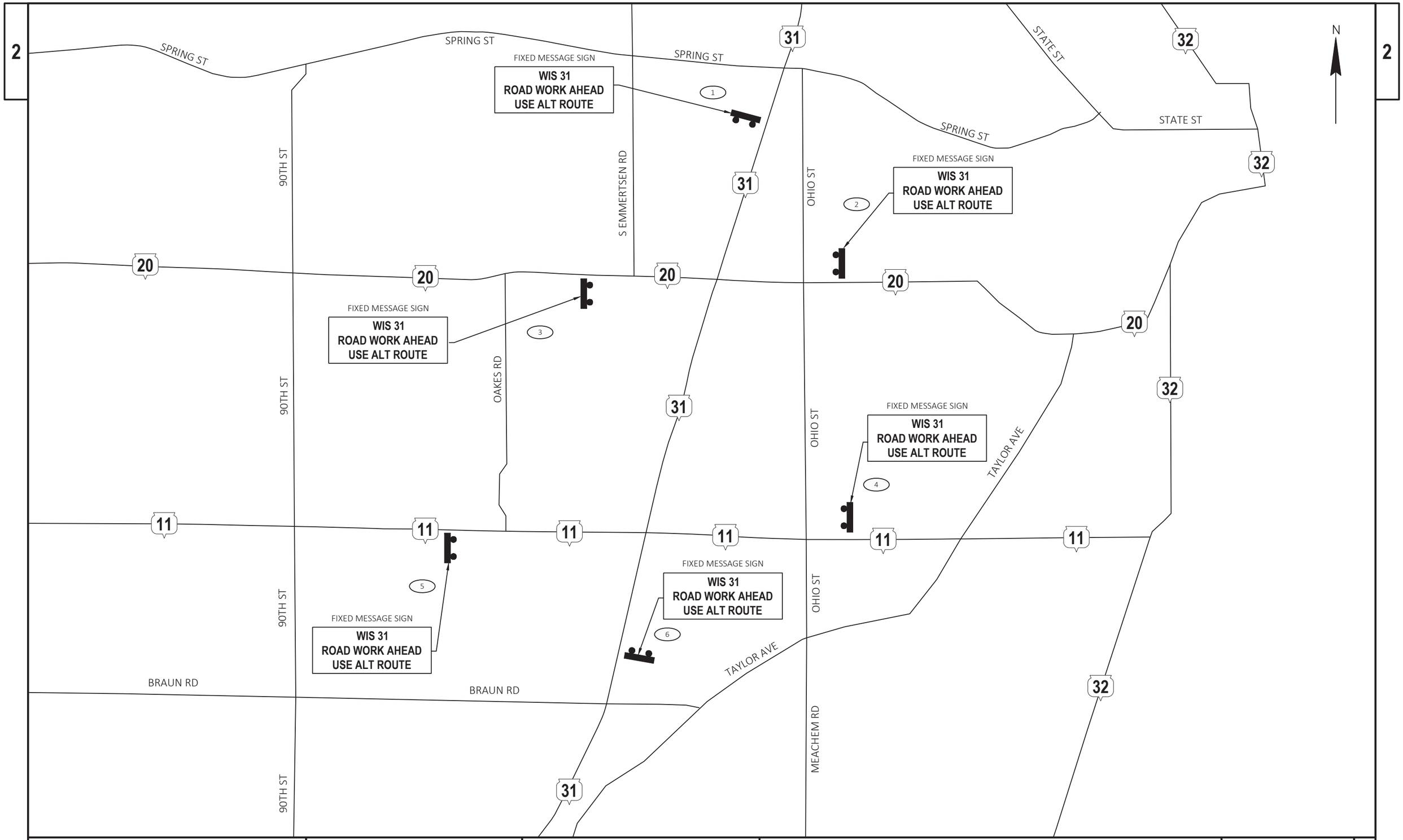
SHEET 242 OF 242

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	TRAFFIC CONTROL-STAGING - STAGE 10B	SHEET 557	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\026020-S10B.DWG
LAYOUT NAME - 28

PLOT DATE : 7/15/2025 5:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	ALTERNATE ROUTE PLAN	SHEET 558	E

FILE NAME : T:\1192700\CIVIL3D\23901200\SHEETSPLAN\027001-DT ALT ROUTE.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 5:55 PM PLOT BY : BLACKWOOD, JIM PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 145+00

TIMBER DR

BP: 7+23.75TD
Y = 175888.379
X = 620670.583

EP: 10+00.00TD
Y = 175825.860
X = 620939.666

R/L STH31-PROP

BP: 8+71.49RW
Y = 176680.498
X = 621007.301

REGENCY WEST DR.

EP: 10+00.00RW
Y = 176653.731
X = 621132.991

PC: 135+97.12

REGENCY POINT ENT

BP: 7+59.97RND
Y = 177271.280
X = 621039.141

EP: 10+00.00RND
Y = 177209.109
X = 621270.981

120 N12° 57' 35"E 125 130 N13° 16' 44"E 135 140

1232.60'

607.18'

BEGIN ALIGNMENT
STA 117+57.34
Y=174,963.584
X=620,741.233

BP: 10+00.00TD
Y = 175816.903
X = 620937.604

S79° 35' 46"E
71.45'

PT: 11+29.45TD

S58° 02' 00"E
10.97'

PC: 10+71.45TD

CURVE A

EP: 11+40.42TD
Y = 175777.357
X = 621070.946

PI: 129+89.94

S77° 07' 43"E
63.93'

PC: 10+63.93RW

CURVE B

S88° 34' 38"E
57.68'

BP: 10+00.00RW
Y = 176645.431
X = 621131.095

PT: 11+05.52RW

EP: 11+63.21RW
Y = 176624.592
X = 621292.284

EP: 11+49.76RND
Y = 177208.250
X = 621421.444

BP: 10+00.00RND
Y = 177211.935
X = 621271.734

REGENCY MALL ENT NORTH

REGENCY MALL ENT NORTH

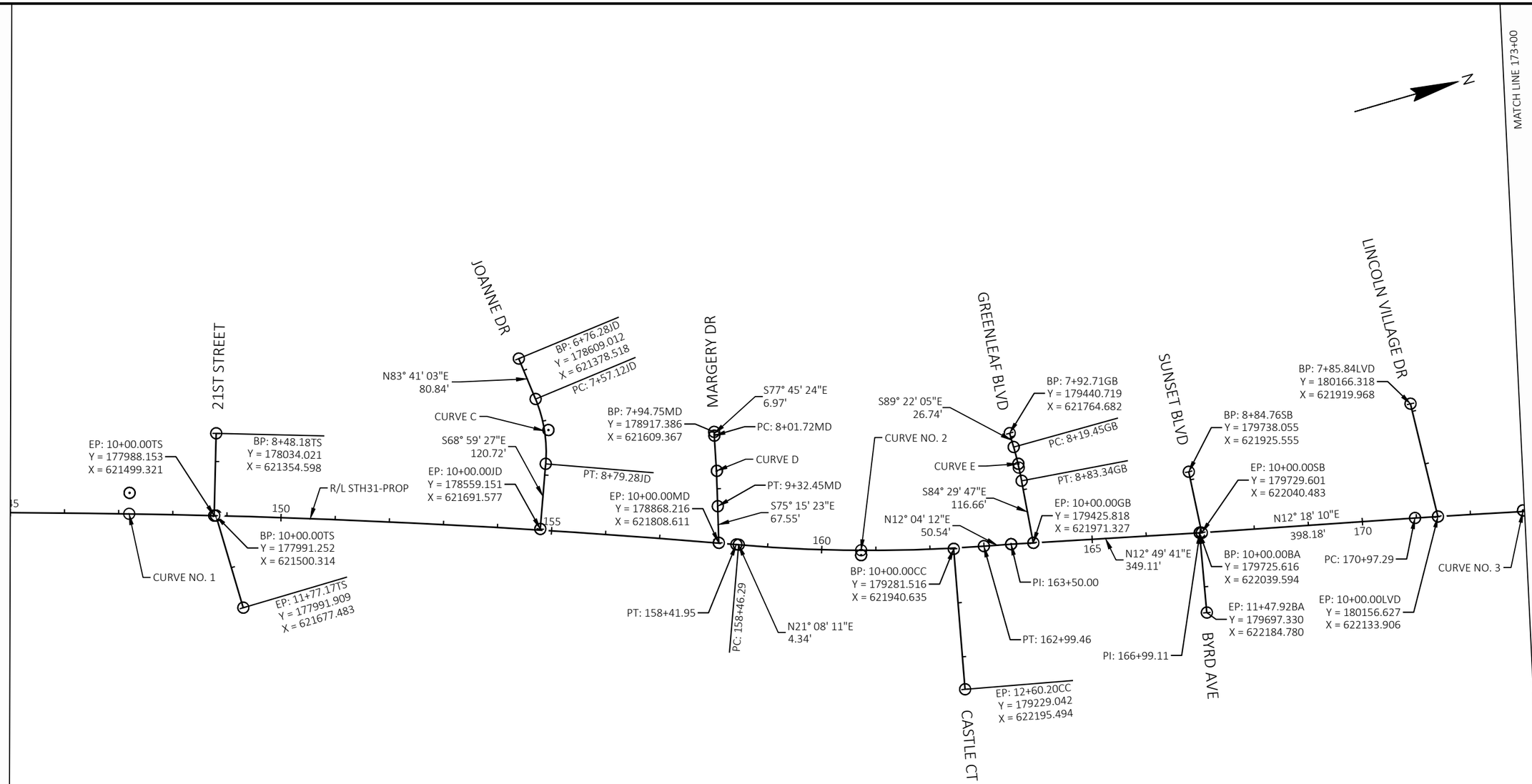
HIGH RIDGE ENT

CURVE A
PI STA = 11+00.80
Y = 175798.70
X = 621036.75
PC STA = 10+71.45
Y=175804.00
X=621007.88
PT STA = 11+29.45
Y=175783.16
X=621061.64
DELTA = 21°33'47"
D = 37°10'35"
T = 29.35'
L = 58.00'
R = 154.12'

CURVE B
PI STA = 10+84.79
Y = 176626.54
X = 621213.76
PC STA = 10+63.93
Y=176631.19
X=621193.41
PT STA = 11+05.52
Y=176626.02
X=621234.62
DELTA = 11°26'55"
D = 27°31'17"
T = 20.87'
L = 41.60'
R = 208.19'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 559	E

2



CURVE NO. 1
PI STA = 147+21.30
Y = 177849.85
X = 621415.34
PC STA = 135+97.12
Y=176755.73
X=621157.12
PT STA = 158+41.95
Y=178898.40
X=621820.70
DELTA = 7°51'27"
D = 0°21'00"
T = 1124.18'
L = 2244.83'
R = 16369.27'

CURVE C
PI STA = 8+19.38
Y = 178624.75
X = 621520.75
PC STA = 7+57.12
Y=178617.91
X=621458.87
PT STA = 8+79.28
Y=178602.43
X=621578.88
DELTA = 27°19'30"
D = 22°22'10"
T = 62.26'
L = 122.15'
R = 256.14'

CURVE D
PI STA = 8+67.09
Y = 178902.05
X = 621680.06
PC STA = 8+01.72
Y=178915.91
X=621616.17
PT STA = 9+32.45
Y=178885.41
X=621743.28
DELTA = 2°30'01"
D = 1°54'46"
T = 65.37'
L = 130.73'
R = 2995.63'

CURVE NO. 2
PI STA = 160+73.35
Y = 179114.24
X = 621904.14
PC STA = 158+46.29
Y=178902.46
X=621822.27
PT STA = 162+99.46
Y=179336.27
X=621951.62
DELTA = 9°03'59"
D = 2°00'02"
T = 227.05'
L = 453.16'
R = 2863.82'

CURVE E
PI STA = 8+51.41
Y = 179440.07
X = 621823.39
PC STA = 8+19.45
Y=179440.42
X=621791.42
PT STA = 8+83.34
Y=179437.01
X=621855.21
DELTA = 4°52'18"
D = 7°37'28"
T = 31.97'
L = 63.89'
R = 751.48'

CURVE NO. 3
PI STA = 172+97.00
Y = 180310.25
X = 622167.10
PC STA = 170+97.29
Y=180115.13
X=622124.55
PT STA = 174+96.65
Y=180503.46
X=622217.65
DELTA = 2°21'33"
D = 0°35'27"
T = 199.71'
L = 399.36'
R = 9699.37'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 560	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027202-ad
PLOT DATE : 7/29/2025 5:52 PM
PLOT BY : SAM FLINT
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

N

16TH ST

BP: 70+26.59SS
Y = 180627.852
X = 622115.091

EP: 71+60.51SS
Y = 180622.968
X = 622248.918

PT: 174+96.65

N14° 39' 42"E
126.81'

PI: 176+23.46

BP: 10+00.00SS
Y = 180626.139
X = 622249.745

EP: 12+28.67SS
Y = 180618.464
X = 622478.283

MATCH LINE 173+00

15TH ST

BP: 7+09.13HB
Y = 181316.326
X = 622152.500

N15° 58' 04"E
891.98'

EP: 10+00.00HB
Y = 181301.486
X = 622442.988

R/L STH31-PROP

PI: 185+15.44

S89° 43' 29"E
16.79'

BP: 0+00.00WA
Y = 181814.266
X = 622424.690

PC: 0+16.79WA

CURVE F

PT: 0+68.18WA

EP: 1+61.90WA
Y = 181779.848
X = 622581.939

S73° 22' 32"E
93.71'

BP: 9+53.82WA
Y = 181770.695
X = 622579.239

10WA

N16° 20' 05"E
679.90'

EP: 11+00.93WA
Y = 181728.048
X = 622720.036

WRIGHT AVE

PC: 191+95.34

PT: 192+81.72

CURVE NO. 4

N21° 05' 36"E
220.55'

PC: 195+02.27

PT: 195+60.46

CURVE NO. 5

N17° 53' 15"E
777.11'

END ALIGNMENT
STA 201+58.12
Y=183,047.334
X=622,996.409

175 180 185 190 195 200

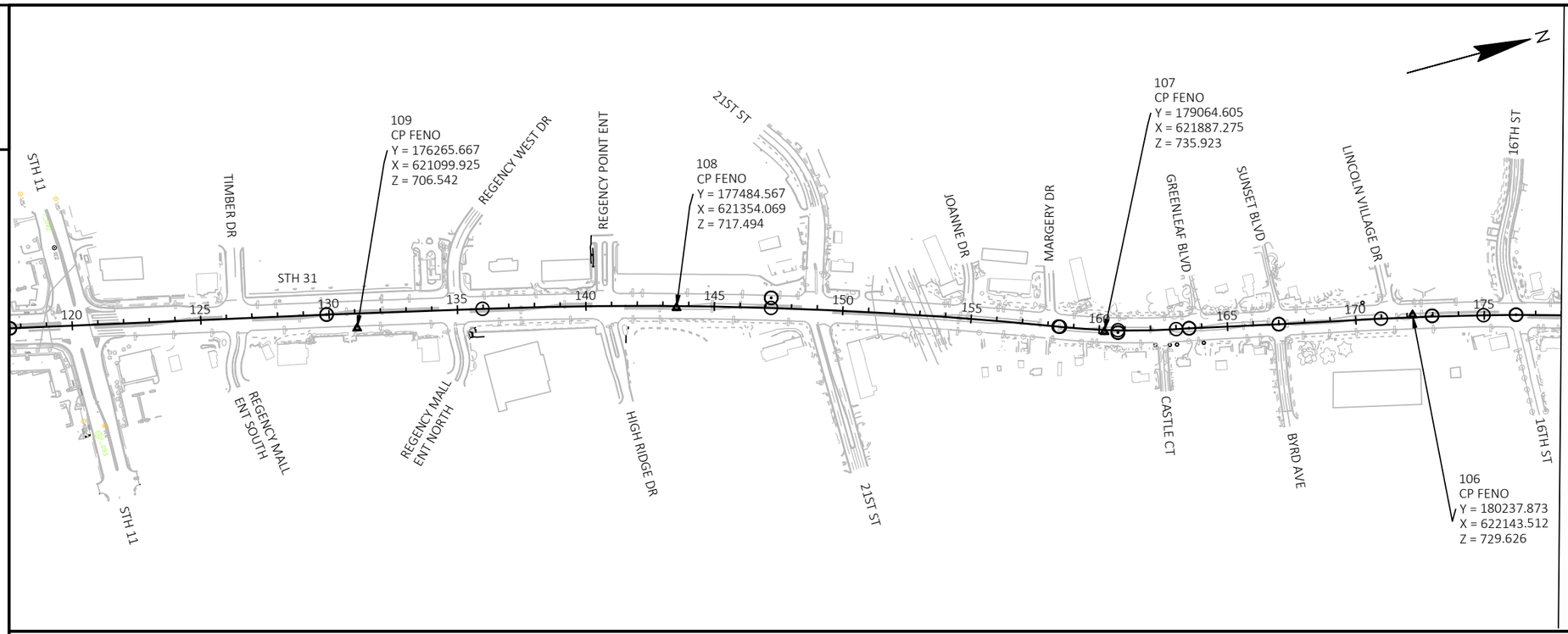
CURVE F
PI STA = 0+42.66
Y = 181814.06
X = 622467.35
PC STA = 0+16.79
Y=181814.19
X=622441.48
PT STA = 0+68.18
Y=181806.66
X=622492.14
DELTA = 16°20'57"
D = 31°48'32"
T = 25.87'
L = 51.40'
R = 180.13'

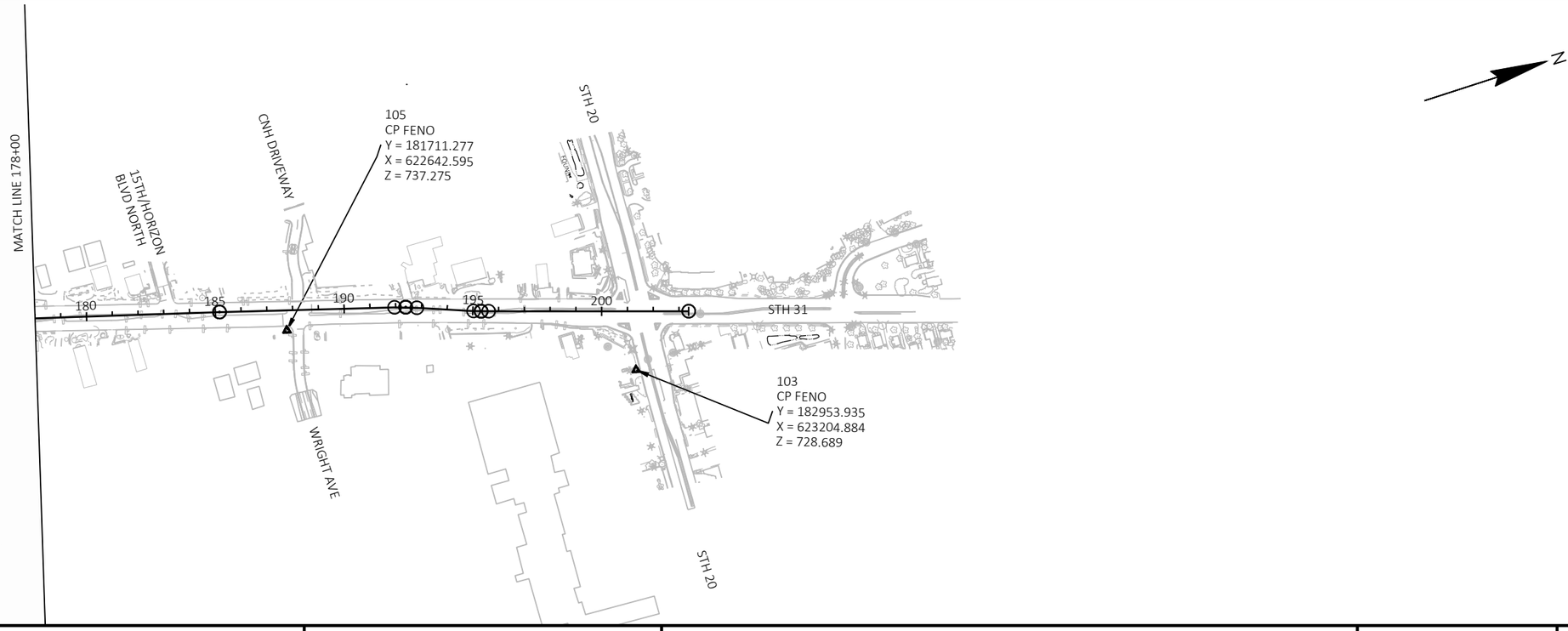
CURVE NO. 4
PI STA = 192+38.56
Y = 182177.63
X = 622698.50
PC STA = 191+95.34
Y=182136.16
X=622686.35
PT STA = 192+81.72
Y=182217.95
X=622714.05
DELTA = 4°45'31"
D = 5°30'33"
T = 43.21'
L = 86.37'
R = 1040.00'

CURVE NO. 5
PI STA = 195+31.37
Y = 182450.87
X = 622803.90
PC STA = 195+02.27
Y=182423.72
X=622793.43
PT STA = 195+60.46
Y=182478.57
X=622812.84
DELTA = 3°12'22"
D = 5°30'33"
T = 29.10'
L = 58.19'
R = 1040.00'

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 561	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027203-ad
PLOT DATE : 7/29/2025 5:52 PM
PLOT BY : SAM FLINT
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

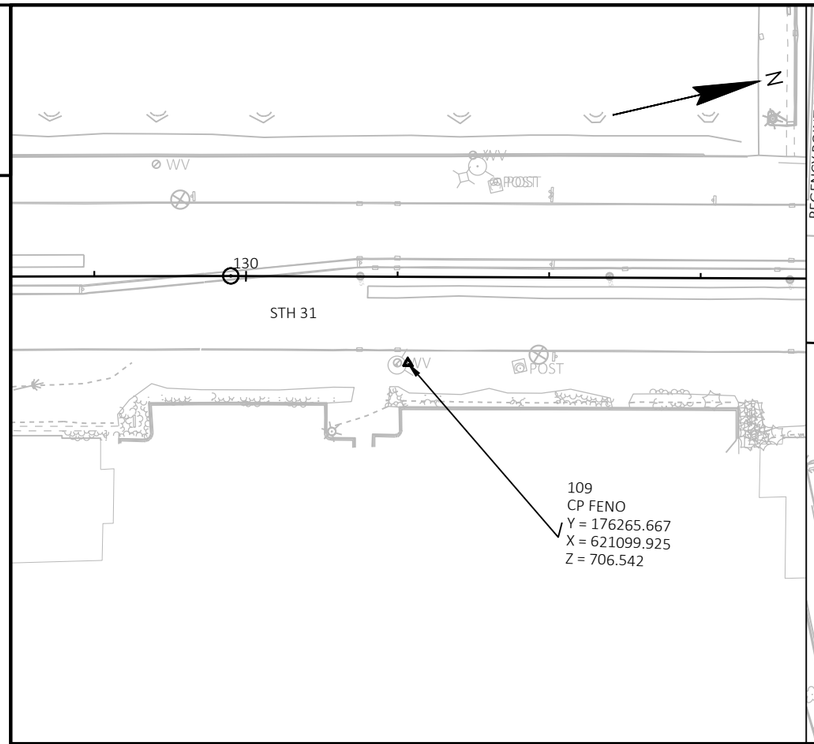


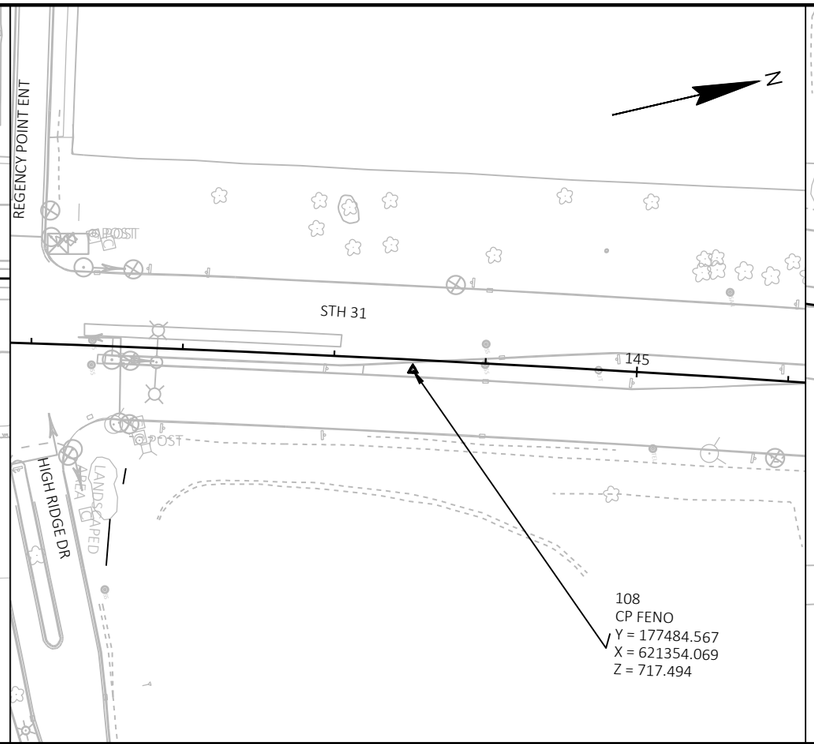


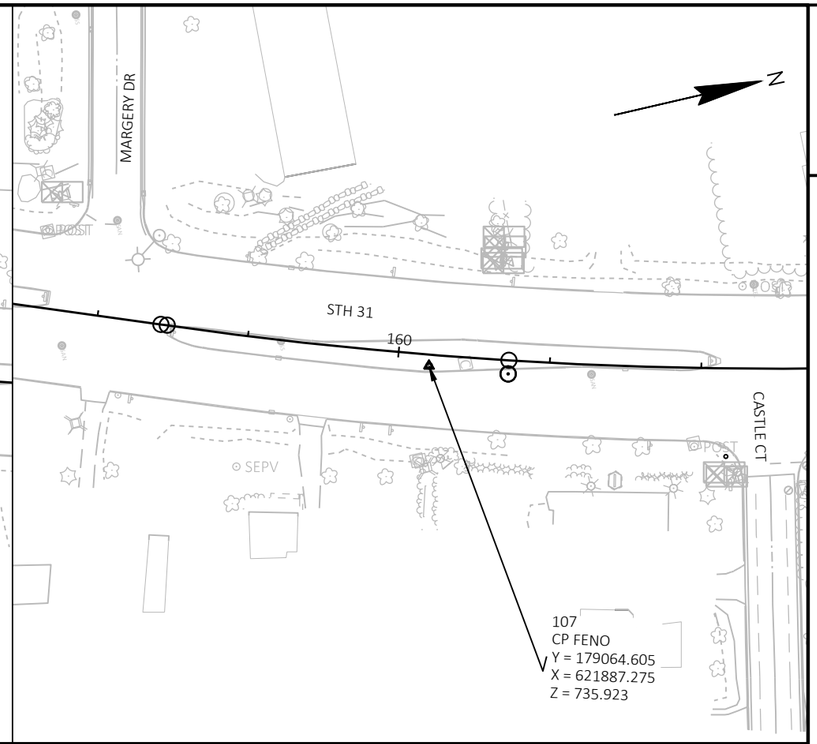
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CONTROL POINTS OVERVIEW	SHEET 562	E

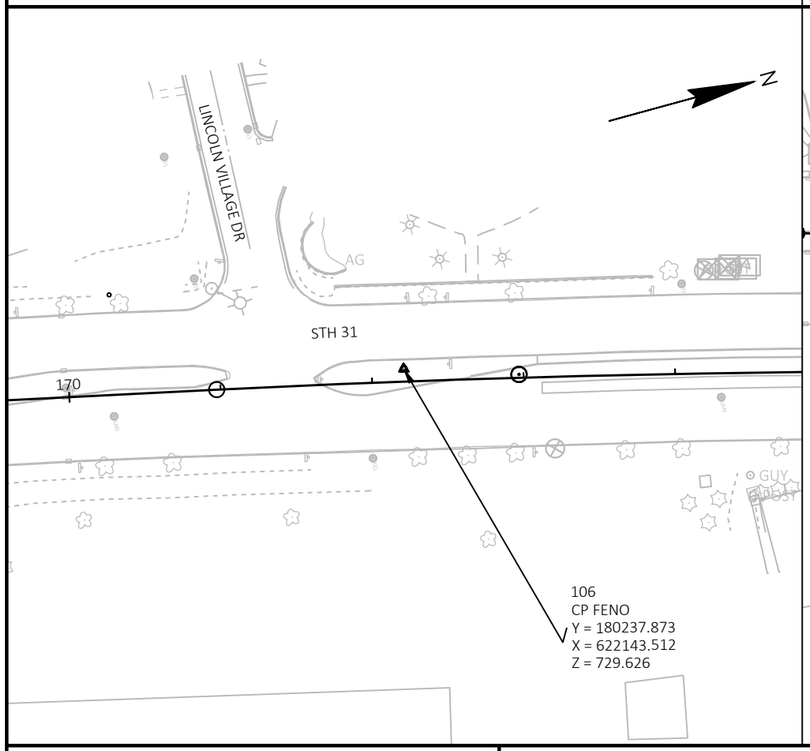
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027204-ad

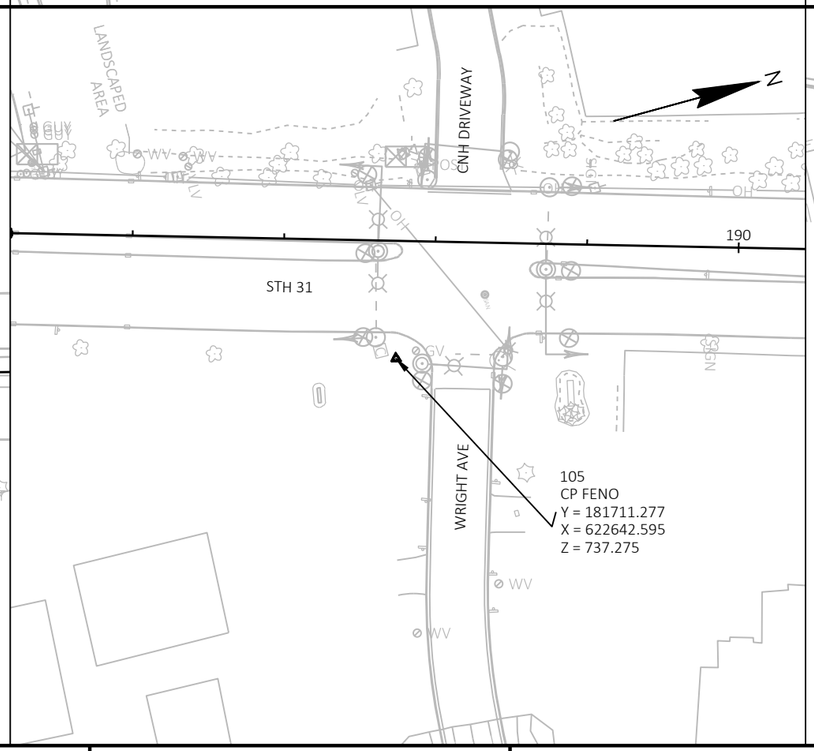
PLOT DATE : 4/8/2025 5:42 PM PLOT BY : SAM FLINT PLOT NAME : PLOT SCALE : 1 IN:500 FT

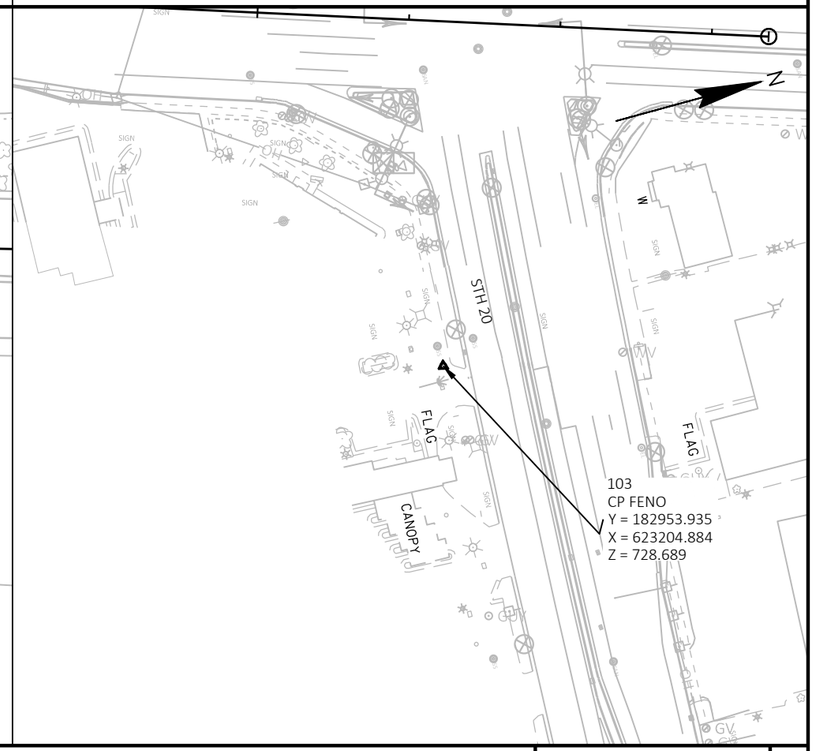












PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CONTROL POINTS	SHEET 563	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 027205-ad
PLOT DATE : 4/8/2025 5:46 PM
PLOT BY : SAM FLINT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

Estimate Of Quantities

2390-12-70

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0004	201.0105	Clearing	STA	41.000	41.000
0006	201.0120	Clearing	ID	44.000	44.000
0008	201.0205	Grubbing	STA	39.000	39.000
0010	201.0220	Grubbing	ID	50.000	50.000
0012	204.0100	Removing Concrete Pavement	SY	73,200.000	73,200.000
0014	204.0109.S	Removing Concrete Surface Partial Depth	SF	5,400.000	5,400.000
0016	204.0110	Removing Asphaltic Surface	SY	183.000	183.000
0018	204.0130	Removing Curb	LF	290.000	290.000
0020	204.0150	Removing Curb & Gutter	LF	16,650.000	16,650.000
0022	204.0155	Removing Concrete Sidewalk	SY	2,040.000	2,040.000
0024	204.0195	Removing Concrete Bases	EACH	76.000	76.000
0026	204.0210	Removing Manholes	EACH	23.000	23.000
0028	204.0220	Removing Inlets	EACH	131.000	131.000
0030	204.0245	Removing Storm Sewer (size) 012. 12-Inch	LF	3,915.000	3,915.000
0032	204.0245	Removing Storm Sewer (size) 015. 15-Inch	LF	1,464.000	1,464.000
0034	204.0245	Removing Storm Sewer (size) 018. 18-Inch	LF	570.000	570.000
0036	204.0245	Removing Storm Sewer (size) 021. 21-Inch	LF	500.000	500.000
0038	204.0245	Removing Storm Sewer (size) 024. 24-Inch	LF	1,114.000	1,114.000
0040	204.0245	Removing Storm Sewer (size) 027. 27-Inch	LF	73.000	73.000
0042	204.0245	Removing Storm Sewer (size) 030. 30-Inch	LF	34.000	34.000
0044	204.0245	Removing Storm Sewer (size) 036. 36-Inch	LF	1,138.000	1,138.000
0046	204.0245	Removing Storm Sewer (size) 042. 42-Inch	LF	510.000	510.000
0048	204.0245	Removing Storm Sewer (size) 048. 48-Inch	LF	545.000	545.000
0050	204.0246	Removing Ancillary Structure (structure) 001. S-51-209	EACH	1.000	1.000
0052	204.0250	Abandoning Manholes	EACH	6.000	6.000
0054	204.0260	Abandoning Inlets	EACH	3.000	3.000
0056	204.0280	Sealing Pipes	EACH	11.000	11.000
0058	204.9060.S	Removing (item description) 001. Removing Inlet and Manhole Covers	EACH	71.000	71.000
0060	204.9060.S	Removing (item description) 200. Removing Traffic Signals STH 31 & STH 11	EACH	1.000	1.000
0062	204.9060.S	Removing (item description) 201. Removing Traffic Signals STH 31 & Timber Dr	EACH	1.000	1.000
0064	204.9060.S	Removing (item description) 202. Removing Traffic Signals STH 31 & Regency West Dr	EACH	1.000	1.000
0066	204.9060.S	Removing (item description) 203. Removing Traffic Signals STH 31 & High Ridge Ent	EACH	1.000	1.000
0068	204.9060.S	Removing (item description) 204. Removing Traffic Signals STH 31 & 21st St	EACH	1.000	1.000
0070	204.9060.S	Removing (item description) 205. Removing Traffic Signals STH 31 & 16th St	EACH	1.000	1.000
0072	204.9060.S	Removing (item description) 206. Removing Traffic Signals STH 31 & Wright Ave	EACH	1.000	1.000
0074	204.9060.S	Removing (item description) 207. Removing Traffic Signals STH 31 & STH 20	EACH	1.000	1.000
0076	204.9060.S	Removing (item description) 208. Removing Loop Detector Wire & Lead-In Cable STH 31 & STH 11	EACH	1.000	1.000
0078	204.9060.S	Removing (item description) 209. Removing Loop Detector Wire & Lead-In Cable STH 31 & Timber Dr	EACH	1.000	1.000
0080	204.9060.S	Removing (item description) 210. Removing Loop Detector Wire & Lead-In Cable STH 31 & Regency West Dr	EACH	1.000	1.000
0082	204.9060.S	Removing (item description) 211. Removing Loop Detector Wire & Lead-In Cable STH 31 & High Ridge Ent	EACH	1.000	1.000
0084	204.9060.S	Removing (item description) 212. Removing Loop Detector Wire & Lead-In Cable STH 31 & 21st St	EACH	1.000	1.000
0086	204.9060.S	Removing (item description) 213. Removing Loop Detector Wire & Lead-In Cable STH 31 & 16th St	EACH	1.000	1.000
0088	204.9060.S	Removing (item description) 214. Removing Loop Detector Wire & Lead-In Cable STH	EACH	1.000	1.000

2390-12-70

Line	Item	Item Description	Unit	Total	Qty
		31 & STH 20			
0090	204.9060.S	Removing (item description) 215. Removing Communication Vaults	EACH	6.000	6.000
0092	204.9090.S	Removing (item description) 001. Removing Underdrain	LF	720.000	720.000
0094	205.0100	Excavation Common	CY	121,441.000	121,441.000
0096	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	813.000	813.000
0098	213.0100	Finishing Roadway (project) 001. 2390-12-70	EACH	1.000	1.000
0100	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	57,108.000	57,108.000
0102	310.0110	Base Aggregate Open-Graded	TON	1,513.000	1,513.000
0104	311.0110	Breaker Run	TON	847.000	847.000
0106	313.0110	Pit Run	TON	106,374.000	106,374.000
0108	390.0100	Removing Pavement for Base Patching	CY	42.000	42.000
0110	390.0201	Base Patching Asphaltic	TON	13.000	13.000
0112	390.0305	Base Patching Concrete HES	CY	11.000	11.000
0114	415.0060	Concrete Pavement 6-Inch	SY	14.000	14.000
0116	415.0085	Concrete Pavement 8 1/2-Inch	SY	65,160.000	65,160.000
0118	415.0090	Concrete Pavement 9-Inch	SY	67.000	67.000
0120	415.0210	Concrete Pavement Gaps	EACH	11.000	11.000
0122	415.1085	Concrete Pavement HES 8 1/2-Inch	SY	18,590.000	18,590.000
0124	416.0610	Drilled Tie Bars	EACH	116.000	116.000
0126	416.0620	Drilled Dowel Bars	EACH	652.000	652.000
0128	455.0605	Tack Coat	GAL	2,047.500	2,047.500
0130	465.0105	Asphaltic Surface	TON	159.000	159.000
0132	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	135.000	135.000
0134	465.0125	Asphaltic Surface Temporary	TON	8,280.000	8,280.000
0136	465.0310	Asphaltic Curb	LF	7,430.000	7,430.000
0138	495.1000.S	Cold Patch	TON	15.000	15.000
0140	520.8000	Concrete Collars for Pipe	EACH	5.000	5.000
0142	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	10,872.000	10,872.000
0144	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	7,008.000	7,008.000
0146	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	15,182.000	15,182.000
0148	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	16.000	16.000
0150	601.0600	Concrete Curb Pedestrian	LF	639.000	639.000
0152	602.0410	Concrete Sidewalk 5-Inch	SF	92,700.000	92,700.000
0154	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	733.000	733.000
0156	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	522.000	522.000
0158	602.0810	Concrete Driveway 6-Inch	SY	140.000	140.000
0160	602.0820	Concrete Driveway 8-Inch	SY	265.000	265.000
0162	602.0870	Concrete Driveway HES 8-Inch	SY	124.000	124.000
0164	603.8000	Concrete Barrier Temporary Precast Delivered	LF	27.000	27.000
0166	603.8125	Concrete Barrier Temporary Precast Installed	LF	27.000	27.000
0168	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	5,018.000	5,018.000
0170	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	1,137.000	1,137.000
0172	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	3,377.000	3,377.000
0174	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	47.000	47.000
0176	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	1,206.000	1,206.000
0178	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	198.000	198.000
0180	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	976.000	976.000
0182	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,238.000	1,238.000
0184	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	582.000	582.000

Estimate Of Quantities

2390-12-70

Line	Item	Item Description	Unit	Total	Qty
0186	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	675.000	675.000
0188	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	286.000	286.000
0190	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0192	611.0530	Manhole Covers Type J	EACH	10.000	10.000
0194	611.0535	Manhole Covers Type J-Special	EACH	62.000	62.000
0196	611.0624	Inlet Covers Type H	EACH	172.000	172.000
0198	611.0627	Inlet Covers Type HM	EACH	2.000	2.000
0200	611.0642	Inlet Covers Type MS	EACH	1.000	1.000
0202	611.0651	Inlet Covers Type S	EACH	71.000	71.000
0204	611.0666	Inlet Covers Type Z	EACH	138.000	138.000
0206	611.2003	Manholes 3-FT Diameter	EACH	2.000	2.000
0208	611.2004	Manholes 4-FT Diameter	EACH	32.000	32.000
0210	611.2005	Manholes 5-FT Diameter	EACH	20.000	20.000
0212	611.2006	Manholes 6-FT Diameter	EACH	5.000	5.000
0214	611.2007	Manholes 7-FT Diameter	EACH	10.000	10.000
0216	611.2008	Manholes 8-FT Diameter	EACH	3.000	3.000
0218	611.3003	Inlets 3-FT Diameter	EACH	122.000	122.000
0220	611.3004	Inlets 4-FT Diameter	EACH	59.000	59.000
0222	611.3230	Inlets 2x3-FT	EACH	129.000	129.000
0224	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0226	611.8110	Adjusting Manhole Covers	EACH	11.000	11.000
0228	611.8115	Adjusting Inlet Covers	EACH	20.000	20.000
0230	611.8120.S	Cover Plates Temporary	EACH	210.000	210.000
0232	611.9710	Salvaged Inlet Covers	EACH	3.000	3.000
0234	611.9900.S	Drain Slotted Vane	EACH	4.000	4.000
0236	612.0106	Pipe Underdrain 6-Inch	LF	24,397.000	24,397.000
0238	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	2,304.000	2,304.000
0240	616.0700.S	Fence Safety	LF	390.000	390.000
0242	618.0100	Maintenance and Repair of Haul Roads (project) 001. 2390-12-70	EACH	1.000	1.000
0244	619.1000	Mobilization	EACH	1.000	1.000
0246	620.0300	Concrete Median Sloped Nose	SF	1,140.000	1,140.000
0248	624.0100	Water	MGAL	1,900.000	1,900.000
0250	625.0100	Topsoil	SY	25,630.000	25,630.000
0252	627.0200	Mulching	SY	16,140.000	16,140.000
0254	628.1504	Silt Fence	LF	3,160.000	3,160.000
0256	628.1520	Silt Fence Maintenance	LF	1,610.000	1,610.000
0258	628.1905	Mobilizations Erosion Control	EACH	18.000	18.000
0260	628.1910	Mobilizations Emergency Erosion Control	EACH	16.000	16.000
0262	628.2002	Erosion Mat Class I Type A	SY	16,140.000	16,140.000
0264	628.6510	Soil Stabilizer Type B	ACRE	1.240	1.240
0266	628.7005	Inlet Protection Type A	EACH	314.000	314.000
0268	628.7010	Inlet Protection Type B	EACH	72.000	72.000
0270	628.7015	Inlet Protection Type C	EACH	289.000	289.000
0272	628.7020	Inlet Protection Type D	EACH	8.000	8.000
0274	628.7560	Tracking Pads	EACH	20.000	20.000
0276	629.0210	Fertilizer Type B	CWT	11.600	11.600
0278	630.0130	Seeding Mixture No. 30	LB	272.000	272.000
0280	630.0140	Seeding Mixture No. 40	LB	455.000	455.000
0282	630.0200	Seeding Temporary	LB	1,158.000	1,158.000

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Line	Item	Item Description	Unit	Total	Qty
0284	630.0500	Seed Water	MGAL	361.000	361.000
0286	631.0300	Sod Water	MGAL	213.000	213.000
0288	631.1000	Sod Lawn	SY	9,490.000	9,490.000
0290	633.5350	Markers Permanent Flexible	EACH	12.000	12.000
0292	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	235.000	235.000
0294	637.2210	Signs Type II Reflective H	SF	1,884.510	1,884.510
0296	637.2215	Signs Type II Reflective H Folding	SF	343.160	343.160
0298	637.2230	Signs Type II Reflective F	SF	236.000	236.000
0300	638.2102	Moving Signs Type II	EACH	2.000	2.000
0302	638.2602	Removing Signs Type II	EACH	306.000	306.000
0304	638.3000	Removing Small Sign Supports	EACH	185.000	185.000
0306	643.0300	Traffic Control Drums	DAY	313,015.000	313,015.000
0308	643.0420	Traffic Control Barricades Type III	DAY	54,185.000	54,185.000
0310	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	2,270.000	2,270.000
0312	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	2,270.000	2,270.000
0314	643.0705	Traffic Control Warning Lights Type A	DAY	108,370.000	108,370.000
0316	643.0715	Traffic Control Warning Lights Type C	DAY	19,959.000	19,959.000
0318	643.0810	Traffic Control Connected Arrow Boards	DAY	1,093.000	1,093.000
0320	643.0900	Traffic Control Signs	DAY	107,787.000	107,787.000
0322	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0324	643.1000	Traffic Control Signs Fixed Message	SF	120.000	120.000
0326	643.1050	Traffic Control Signs PCMS	DAY	350.000	350.000
0328	643.1070	Traffic Control Cones 42-Inch	DAY	747.000	747.000
0330	643.1220	Traffic Control Connected Work Zone Start and End Location Markers	DAY	1,040.000	1,040.000
0332	643.3165	Temporary Marking Line Paint 6-Inch	LF	39,235.000	39,235.000
0334	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	955.000	955.000
0336	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	59,645.000	59,645.000
0338	643.3265	Temporary Marking Line Paint 10-Inch	LF	5,870.000	5,870.000
0340	643.3270	Temporary Marking Line Epoxy 10-Inch	LF	1,465.000	1,465.000
0342	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	15,500.000	15,500.000
0344	643.3305	Temporary Marking Crosswalk Paint 6-inch	LF	1,155.000	1,155.000
0346	643.3350	Temporary Marking Crosswalk Removable Tape 6-inch	LF	1,920.000	1,920.000
0348	643.3505	Temporary Marking Arrow Paint	EACH	42.000	42.000
0350	643.3550	Temporary Marking Arrow Removable Tape	EACH	50.000	50.000
0352	643.3605	Temporary Marking Word Paint	EACH	18.000	18.000
0354	643.3650	Temporary Marking Word Removable Tape	EACH	24.000	24.000
0356	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	735.000	735.000
0358	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	965.000	965.000
0360	643.4100	Traffic Control Interim Lane Closure	EACH	52.000	52.000
0362	643.5000	Traffic Control	EACH	1.000	1.000
0364	644.1440	Temporary Pedestrian Surface Matting	SF	1,565.000	1,565.000
0366	644.1601	Temporary Pedestrian Curb Ramp	DAY	55.000	55.000
0368	644.1605	Temporary Pedestrian Detectable Warning Field	SF	395.000	395.000
0370	644.1810	Temporary Pedestrian Barricade	LF	5,685.000	5,685.000
0372	644.1900.S	Temporary Audible Message Devices	DAY	2,958.000	2,958.000
0374	645.0111	Geotextile Type DF Schedule A	SY	4,264.000	4,264.000
0376	645.0220	Geogrid Type SR	SY	22,490.000	22,490.000
0378	646.1020	Marking Line Epoxy 4-Inch	LF	3,229.000	3,229.000
0380	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	8,644.000	8,644.000

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Line	Item	Item Description	Unit	Total	Qty
0382	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	27,200.000	27,200.000
0384	646.3020	Marking Line Epoxy 8-Inch	LF	1,925.000	1,925.000
0386	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	9,037.000	9,037.000
0388	646.5020	Marking Arrow Epoxy	EACH	116.000	116.000
0390	646.5120	Marking Word Epoxy	EACH	37.000	37.000
0392	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,534.000	1,534.000
0394	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	35.000	35.000
0396	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	3,229.000	3,229.000
0398	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	27,200.000	27,200.000
0400	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	1,925.000	1,925.000
0402	646.6470	Cold Weather Marking Epoxy 10-Inch	LF	13,919.000	13,919.000
0404	646.7120	Marking Diagonal Epoxy 12-Inch	LF	76.000	76.000
0406	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	6,212.000	6,212.000
0408	646.8120	Marking Curb Epoxy	LF	1,171.000	1,171.000
0410	646.8220	Marking Island Nose Epoxy	EACH	37.000	37.000
0412	646.9000	Marking Removal Line 4-Inch	LF	4,470.000	4,470.000
0414	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	1,360.000	1,360.000
0416	646.9100	Marking Removal Line 8-Inch	LF	3,520.000	3,520.000
0418	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	1,310.000	1,310.000
0420	646.9200	Marking Removal Line Wide	LF	60.000	60.000
0422	646.9210	Marking Removal Line Water Blasting Wide	LF	35.000	35.000
0424	646.9300	Marking Removal Special Marking	EACH	14.000	14.000
0426	646.9310	Marking Removal Special Marking Water Blasting	EACH	14.000	14.000
0428	650.4000	Construction Staking Storm Sewer	EACH	441.000	441.000
0430	650.4500	Construction Staking Subgrade	LF	16,054.000	16,054.000
0432	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	854.000	854.000
0434	650.7000	Construction Staking Concrete Pavement	LF	16,054.000	16,054.000
0436	650.8501	Construction Staking Electrical Installations (project) 001. 2390-12-70	EACH	1.000	1.000
0438	650.9000	Construction Staking Curb Ramps	EACH	93.000	93.000
0440	650.9500	Construction Staking Sidewalk (project) 001. 2390-12-70	EACH	1.000	1.000
0442	650.9911	Construction Staking Supplemental Control (project) 001. 2390-12-70	EACH	1.000	1.000
0444	650.9920	Construction Staking Slope Stakes	LF	16,054.000	16,054.000
0446	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	5,766.000	5,766.000
0448	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	2,916.000	2,916.000
0450	652.0605	Conduit Special 2-Inch	LF	843.000	843.000
0452	652.0615	Conduit Special 3-Inch	LF	4,858.000	4,858.000
0454	652.0700.S	Install Conduit into Existing Item	EACH	4.000	4.000
0456	652.0800	Conduit Loop Detector	LF	11,389.000	11,389.000
0458	653.0135	Pull Boxes Steel 24x36-Inch	EACH	35.000	35.000
0460	653.0140	Pull Boxes Steel 24x42-Inch	EACH	87.000	87.000
0462	653.0900	Adjusting Pull Boxes	EACH	1.000	1.000
0464	653.0905	Removing Pull Boxes	EACH	102.000	102.000
0466	654.0101	Concrete Bases Type 1	EACH	62.000	62.000
0468	654.0102	Concrete Bases Type 2	EACH	13.000	13.000
0470	654.0105	Concrete Bases Type 5	EACH	1.000	1.000
0472	654.0110	Concrete Bases Type 10	EACH	6.000	6.000
0474	654.0120	Concrete Bases Type 10-Special	EACH	18.000	18.000
0476	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	6.000	6.000
0478	655.0230	Cable Traffic Signal 5-14 AWG	LF	4,625.000	4,625.000

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Line	Item	Item Description	Unit	Total	Qty
0480	655.0240	Cable Traffic Signal 7-14 AWG	LF	12,092.000	12,092.000
0482	655.0260	Cable Traffic Signal 12-14 AWG	LF	11,505.000	11,505.000
0484	655.0270	Cable Traffic Signal 15-14 AWG	LF	5,376.000	5,376.000
0486	655.0305	Cable Type UF 2-12 AWG Grounded	LF	1,655.000	1,655.000
0488	655.0320	Cable Type UF 2-10 AWG Grounded	LF	4,748.000	4,748.000
0490	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	14,142.000	14,142.000
0492	655.0610	Electrical Wire Lighting 12 AWG	LF	12,963.000	12,963.000
0494	655.0700	Loop Detector Lead In Cable	LF	43,239.000	43,239.000
0496	655.0800	Loop Detector Wire	LF	30,453.000	30,453.000
0498	655.0900	Traffic Signal EVP Detector Cable	LF	6,432.000	6,432.000
0500	656.0201	Electrical Service Meter Breaker Pedestal (location) 201. STH 31 & Timber Dr / Regency Mall South Driveway	EACH	1.000	1.000
0502	656.0201	Electrical Service Meter Breaker Pedestal (location) 202. STH 31 & Regency Mall North Driveway	EACH	1.000	1.000
0504	656.0201	Electrical Service Meter Breaker Pedestal (location) 203. STH 31 & High Ridge / Regency Point	EACH	1.000	1.000
0506	656.0201	Electrical Service Meter Breaker Pedestal (location) 204. STH 31 & 21st St	EACH	1.000	1.000
0508	656.0201	Electrical Service Meter Breaker Pedestal (location) 205. STH 31 & 16th St	EACH	1.000	1.000
0510	656.0201	Electrical Service Meter Breaker Pedestal (location) 206. STH 31 & Wright Ave	EACH	1.000	1.000
0512	657.0100	Pedestal Bases	EACH	62.000	62.000
0514	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	14.000	14.000
0516	657.0310	Poles Type 3	EACH	12.000	12.000
0518	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	1.000	1.000
0520	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	37.000	37.000
0522	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	24.000	24.000
0524	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	24.000	24.000
0526	658.0173	Traffic Signal Face 3S 12-Inch	EACH	80.000	80.000
0528	658.0174	Traffic Signal Face 4S 12-Inch	EACH	58.000	58.000
0530	658.0175	Traffic Signal Face 5S 12-Inch	EACH	6.000	6.000
0532	658.0416	Pedestrian Signal Face 16-Inch	EACH	48.000	48.000
0534	658.5070	Signal Mounting Hardware (location) 201. STH 31 & Timber Dr / Regency Mall South Driveway	EACH	1.000	1.000
0536	658.5070	Signal Mounting Hardware (location) 202. STH 31 & Regency Mall North Driveway	EACH	1.000	1.000
0538	658.5070	Signal Mounting Hardware (location) 203. STH 31 & High Ridge / Regency Point	EACH	1.000	1.000
0540	658.5070	Signal Mounting Hardware (location) 204. STH 31 & 21st St	EACH	1.000	1.000
0542	658.5070	Signal Mounting Hardware (location) 205. STH 31 & 16th St	EACH	1.000	1.000
0544	658.5070	Signal Mounting Hardware (location) 206. STH 31 & Wright Ave	EACH	1.000	1.000
0546	659.1125	Luminaires Utility LED C	EACH	36.000	36.000
0548	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	167.000	167.000
0550	661.0201	Temporary Traffic Signals for Intersections (location) 200. STH 31 & STH 11	EACH	1.000	1.000
0552	661.0201	Temporary Traffic Signals for Intersections (location) 201. STH 31 & Timber Dr / Regency Mall South Driveway	EACH	1.000	1.000
0554	661.0201	Temporary Traffic Signals for Intersections (location) 202. STH 31 & Regency Mall North Driveway	EACH	1.000	1.000
0556	661.0201	Temporary Traffic Signals for Intersections (location) 203. STH 31 & High Ridge / Regency Point	EACH	1.000	1.000
0558	661.0201	Temporary Traffic Signals for Intersections (location) 204. STH 31 & 21st St	EACH	1.000	1.000
0560	661.0201	Temporary Traffic Signals for Intersections (location) 205. STH 31 & 16th St	EACH	1.000	1.000
0562	661.0201	Temporary Traffic Signals for Intersections (location) 206. STH 31 & Wright Ave	EACH	1.000	1.000
0564	661.0201	Temporary Traffic Signals for Intersections (location) 207. STH 31 & STH 20	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0566	661.0300	Generators	DAY	6.000	6.000
0568	670.0101	Field System Integrator	EACH	1.000	1.000
0570	670.0201	ITS Documentation	EACH	1.000	1.000
0572	671.0122	Conduit HDPE 2-Duct 2-Inch	LF	7,417.000	7,417.000
0574	671.0222	Conduit HDPE Directional Bore 2-Duct 2-Inch	LF	233.000	233.000
0576	673.0105	Communication Vault Type 1	EACH	7.000	7.000
0578	674.0300	Remove Cable	LF	8,910.000	8,910.000
0580	677.0200	Install Camera Assembly	EACH	8.000	8.000
0582	678.0036	Install Fiber Optic Cable Outdoor Plant 36-CT	LF	9,660.000	9,660.000
0584	678.0200	Fiber Optic Splice Enclosure	EACH	7.000	7.000
0586	678.0300	Fiber Optic Splice	EACH	100.000	100.000
0588	678.0501	Communication System Testing	EACH	1.000	1.000
0590	678.0600	Install Ethernet Switches	EACH	6.000	6.000
0592	690.0150	Sawing Asphalt	LF	6,050.000	6,050.000
0594	690.0250	Sawing Concrete	LF	10,630.000	10,630.000
0596	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	25,144.000	25,144.000
0598	740.0440	Incentive IRI Ride	DOL	18,240.000	18,240.000
0600	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	6,300.000	6,300.000
0602	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	17,280.000	17,280.000
0604	SPV.0035	Special 001. Backfill Slurry	CY	50.000	50.000
0606	SPV.0060	Special 001. Utility Line Opening (ULO)	EACH	25.000	25.000
0608	SPV.0060	Special 002. Field Facilities Office Space	EACH	1.000	1.000
0610	SPV.0060	Special 030. Inlets 6-FT Diameter	EACH	3.000	3.000
0612	SPV.0060	Special 031. Inlets 7-FT Diameter	EACH	1.000	1.000
0614	SPV.0060	Special 032. Temporary Inlet	EACH	44.000	44.000
0616	SPV.0060	Special 033. Temporary Manholes	EACH	11.000	11.000
0618	SPV.0060	Special 034. Reconnect Private Storm Sewer Laterals	EACH	28.000	28.000
0620	SPV.0060	Special 100. Adjusting Sanitary Manholes	EACH	15.000	15.000
0622	SPV.0060	Special 101. Reconstructing Sanitary Manholes	EACH	7.000	7.000
0624	SPV.0060	Special 200. Install Poles Type 9 Special	EACH	12.000	12.000
0626	SPV.0060	Special 201. Install Poles Type 10	EACH	6.000	6.000
0628	SPV.0060	Special 202. Install Poles Type 10 Special	EACH	6.000	6.000
0630	SPV.0060	Special 203. Install Monotube Arms 20-FT	EACH	1.000	1.000
0632	SPV.0060	Special 204. Install Monotube Arms 25-FT	EACH	2.000	2.000
0634	SPV.0060	Special 205. Install Monotube Arms 30-FT	EACH	3.000	3.000
0636	SPV.0060	Special 206. Install Monotube Arms 35-FT Special	EACH	4.000	4.000
0638	SPV.0060	Special 207. Install Monotube Arms 40-FT Special	EACH	11.000	11.000
0640	SPV.0060	Special 208. Install Monotube Arms 45-FT Special	EACH	3.000	3.000
0642	SPV.0060	Special 209. Install Luminaire Arms Steel 15-FT	EACH	12.000	12.000
0644	SPV.0060	Special 210. Trnspt Traffic Signal & Inter Lighting Materials STH 31 & Timber Dr	EACH	1.000	1.000
0646	SPV.0060	Special 211. Trnspt Traffic Signal & Inter Lighting Materials STH 31 & Regency West Dr	EACH	1.000	1.000
0648	SPV.0060	Special 212. Trnspt Traffic Signal & Inter Lighting Materials STH 31 & High Ridge Ent	EACH	1.000	1.000
0650	SPV.0060	Special 213. Trnspt Traffic Signal & Inter Lighting Materials STH 31 & 21st St	EACH	1.000	1.000
0652	SPV.0060	Special 214. Trnspt Traffic Signal & Inter Lighting Materials STH 31 & 16th St	EACH	1.000	1.000
0654	SPV.0060	Special 215. Trnspt Traffic Signal & Inter Lighting Materials STH 31 & Wright Ave	EACH	1.000	1.000
0656	SPV.0060	Special 216. Trnspt and Install State Furn Sig Cabinet STH 31 & Timber Dr	EACH	1.000	1.000
0658	SPV.0060	Special 217. Trnspt and Install State Furn Sig Cabinet STH 31 & Regency West Dr	EACH	1.000	1.000
0660	SPV.0060	Special 218. Trnspt and Install State Furn Sig Cabinet STH 31 & High Ridge Ent	EACH	1.000	1.000
0662	SPV.0060	Special 219. Trnspt and Install State Furn Sig Cabinet STH 31 & 21st St	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0664	SPV.0060	Special 220. Trnspt and Install State Furn Sig Cabinet STH 31 & 16th St	EACH	1.000	1.000
0666	SPV.0060	Special 221. Trnspt and Install State Furn Sig Cabinet STH 31 & Wright Ave	EACH	1.000	1.000
0668	SPV.0060	Special 222. Trnspt & Install State Furn EVP Detect Heads STH 31 & Timber Dr	EACH	1.000	1.000
0670	SPV.0060	Special 223. Trnspt & Install State Furn EVP Detect Heads STH 31 & Regency West Dr	EACH	1.000	1.000
0672	SPV.0060	Special 224. Trnspt & Install State Furn EVP Detect Heads STH 31 & High Ridge Ent	EACH	1.000	1.000
0674	SPV.0060	Special 225. Trnspt & Install State Furn EVP Detect Heads STH 31 & 21st St	EACH	1.000	1.000
0676	SPV.0060	Special 226. Trnspt & Install State Furn EVP Detect Heads STH 31 & 16th St	EACH	1.000	1.000
0678	SPV.0060	Special 227. Trnspt & Install State Furn EVP Detect Heads STH 31 & Wright Ave	EACH	1.000	1.000
0680	SPV.0060	Special 228. Trnspt & Install State Furn Video Detect System STH 31 & Wright Ave	EACH	1.000	1.000
0682	SPV.0060	Special 229. Temporary Infrared EVP System STH 31 & Timber Dr	EACH	1.000	1.000
0684	SPV.0060	Special 230. Temporary Infrared EVP System STH 31 & Regency West Dr	EACH	1.000	1.000
0686	SPV.0060	Special 231. Temporary Infrared EVP System STH 31 & High Ridge Ent	EACH	1.000	1.000
0688	SPV.0060	Special 232. Temporary Infrared EVP System STH 31 & 21st St	EACH	1.000	1.000
0690	SPV.0060	Special 233. Temporary Infrared EVP System STH 31 & 16th St	EACH	1.000	1.000
0692	SPV.0060	Special 234. Temporary Infrared EVP System STH 31 & Wright Ave	EACH	1.000	1.000
0694	SPV.0060	Special 235. Removing Concrete Monotube Traffic Signal Bases	EACH	4.000	4.000
0696	SPV.0060	Special 236. Install Fiber Optic Communications in Cabinet STH 31 & Timber Dr	EACH	1.000	1.000
0698	SPV.0060	Special 237. Install Fiber Optic Communications in Cabinet STH 31 & Regency West Dr	EACH	1.000	1.000
0700	SPV.0060	Special 238. Install Fiber Optic Communications in Cabinet STH 31 & High Ridge Ent	EACH	1.000	1.000
0702	SPV.0060	Special 239. Install Fiber Optic Communications in Cabinet STH 31 & 21st St	EACH	1.000	1.000
0704	SPV.0060	Special 240. Install Fiber Optic Communications in Cabinet STH 31 & 16th St	EACH	1.000	1.000
0706	SPV.0060	Special 241. Install Fiber Optic Communications in Cabinet STH 31 & Wright Ave	EACH	1.000	1.000
0708	SPV.0060	Special 242. Trnspt and Install State Furn Audible Ped System STH 31 & STH 11	EACH	1.000	1.000
0710	SPV.0060	Special 243. Trnspt and Install State Furn Audible Ped System STH 31 & Timber Dr	EACH	1.000	1.000
0712	SPV.0060	Special 244. Trnspt and Install State Furn Audible Ped System STH 31 & Regency West Dr	EACH	1.000	1.000
0714	SPV.0060	Special 245. Trnspt and Install State Furn Audible Ped System STH 31 & High Ridge Ent	EACH	1.000	1.000
0716	SPV.0060	Special 246. Trnspt and Install State Furn Audible Ped System STH 31 & 21st St	EACH	1.000	1.000
0718	SPV.0060	Special 247. Trnspt and Install State Furn Audible Ped System STH 31 & 16th St	EACH	1.000	1.000
0720	SPV.0060	Special 248. Trnspt and Install State Furn Audible Ped System STH 31 & Wright Ave	EACH	1.000	1.000
0722	SPV.0060	Special 249. Trnspt and Install State Furn Audible Ped System STH 31 & STH 20	EACH	1.000	1.000
0724	SPV.0060	Special 250. Remove, Salvage, & Reinstall Traffic Sig and Lighting Equip STH 31 & STH 11	EACH	1.000	1.000
0726	SPV.0060	Special 251. Maintain Existing Traffic Signal Interconnect System	EACH	1.000	1.000
0728	SPV.0060	Special 252. Temporary Infrared EVP System STH 31 & STH 11	EACH	1.000	1.000
0730	SPV.0060	Special 253. Temporary Infrared EVP System STH 31 & STH 20	EACH	1.000	1.000
0732	SPV.0090	Special 030. Temporary Storm Sewer Connection	LF	1,373.000	1,373.000
0734	SPV.0090	Special 200. Fiber Optic Warning Tape	LF	8,468.000	8,468.000

CLEARING AND GRUBBING ITEMS

CATEGORY	STATION	OFFSET	TO STATION	OFFSET	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010								
	128+00		129+00	RT	1	--	1	--
	135+00		137+00	LT	2	--	2	--
	138+73	71' RT			--	4	--	4
	138+82	62' LT			--	11	--	11
	138+87	73' RT			--	5	--	5
	139+00		140+00	RT	1	--	1	--
	139+00		141+00	LT	2	--	2	--
	154+00		156+00	RT	2	--	2	--
	156+00		157+00	RT	1	--	--	--
	161+00		164+00	LT	3	--	3	--
	165+00		166+00	RT	1	--	1	--
	165+00		168+00	LT	3	--	3	--
	168+00		171+00	RT	3	--	3	--
	170+00		171+00	LT	1	--	1	--
	172+00		173+00	RT	1	--	1	--
	172+00		174+00	LT	2	--	2	--
	174+00		175+00	RT	1	--	1	--
	177+00		178+00	RT	1	--	1	--
	180+00		181+00	LT	1	--	--	--
	181+98	59' LT			--	4	--	4
	182+00		183+00	LT	1	--	1	--
	184+00		188+00	LT	4	--	4	--
	189+00		192+00	RT	3	--	3	--
	189+00		194+00	LT	5	--	5	--
	194+62	75' RT			--	5	--	5
	195+13	71' RT			--	5	--	5
	195+60	69' RT			--	3	--	3
	196+15	68' RT			--	4	--	4
	196+65	66' RT			--	3	--	3
	197+71	56' RT			--	--	--	6
	199+00		201+00	LT	2	--	2	--
SUBTOTAL					41	44	39	50
TOTALS					41	44	39	50

REMOVING DRAINAGE ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	ALIGNMENT	204.9090.S.001 REMOVING UNDERDRAIN LF
0010								
	1 - 4	STH 31	117+57.34	-	159+75.00	RT&LT		430
	6 - 9	STH 31	159+75.00	-	203+37.57	RT&LT		290
TOTALS								720

REMOVAL ITEMS

CATEGORY	STAGE	LOCATION	STATION		TO STATION	OFFSET ALIGNMENT	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0130 REMOVING CURB LF	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	1 - 4										
		STH 31 - STH 11 TO 21ST ST	120+67	-	149+50	LT&RT	25,900	--	--	5,120	1,130
		TIMBER DR & REGENCY MALL SOUTH INTERSECTION	125+53	-	127+10	LT&RT	--	--	--	530	20
		REGENCY WEST DR & REGENCY MALL NORTH INTERSECTION	134+31	-	135+55	LT&RT	--	--	--	460	--
		HIGH RIDGE ENTRANCE	140+23	-	141+58	LT&RT	--	25	50	620	--
		21ST STREET INTERSECTION	148+21	-	149+50	LT&RT	1,300	--	--	10	50
SUBTOTAL							27,200	25	50	6,740	1,200
	1 - 4										
		STH 31 - 21ST ST TO STA 159+75	149+50	-	159+75	LT&RT	8,500	--	--	1,860	160
		KFC ENTRANCE	150+47	-	150+98	LT	--	--	--	50	--
		JOANNE DR INTERSECTION	154+33	-	155+30	LT	--	--	--	120	--
		MARGERY DR INTERSECTION	157+60	-	158+42	LT	--	--	--	100	--
SUBTOTAL							8,500	--	--	2,130	160
	6 - 9	STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+96	LT&RT	14,700	--	--	2,740	140
		CASTLE CT INTERSECTION	162+04	-	162+86	RT	200	--	--	--	--
		GREENLEAF BLVD INTERSECTION	163+44	-	164+26	LT	200	--	--	--	--
		SUNSET BLVD & BYRD AVE INTERSECTION	166+52	-	167+47	LT&RT	100	--	--	170	--
		LINCOLN VILLAGE DR INTERSECTION	170+79	-	171+77	LT	--	--	--	110	--
		16TH STREET INTERSECTION	175+50	-	176+96	LT	500	158	--	180	50
SUBTOTAL							15,700	158	--	3,200	190
	6 - 9										
		STH 31 - 16TH ST TO STH 20	176+96	-	200+95	LT&RT	21,300	--	--	4,240	470
		15TH ST/HORIZON BLVD NORTH INTERSECTION	182+69	-	183+55	LT	--	--	--	150	--
		CNH DRIVEWAY & WRIGHT AVE INTERSECTION	187+71	-	188+63	LT&RT	300	--	--	190	--
		COMMERCIAL ENTRANCE	192+28	-	192+64	LT	--	--	100	--	--
		1300 S GREEN BAY RD (DWY)	194+08	-	194+57	LT	--	--	30	--	--
		WALMART ENTRANCE	196+78	-	197+56	LT&RT	200	--	--	--	20
		COMMERCIAL ENTRANCE	197+24	-	198+05	RT	--	--	70	--	--
		COMMERCIAL ENTRANCE	198+35	-	198+65	LT	--	--	40	--	--
SUBTOTAL							21,800	--	240	4,580	490
TOTALS							73,200	183	290	16,650	2,040

DIVISION	FROM/TO STATION	205.0100 COMMON EXCAVATION CY (1) CUT (2)	EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	311.0110 BREAKER RUN TON (3)	313.0110* PIT RUN TON (3)	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.30	MASS ORDINATE +/- (7)	WASTE (8)	COMMENT
STAGE 1												
TEMPORARY PAVEMENT MEDIAN	120+87.68/166+61.53	3,650	0	1,195	2,455	0	0	28	36	2,419	2,419	
SIDEROAD - TEMPORARY MEDIAN	148+95 LT	20	0	7	13	0	0	0	0	13	13	NOT SOWN IN ERWK DATAÈ
MEDIAN SPOT LOCATION - EBS	UNDISTRIBUTED	0	252	0	0	454	0	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 1 SUBTOTAL	3,670	252	1,202	2,468	454	0	28	36	2,432	2,432	
STAGE 2												
NB MAINLINE LANES	121+00/159+75 RT	19,884	245	5,097	14,787	0	441	184	239	14,548	14,548	
SIDEROAD TEMPORARY MEDIANS	126+42 RT, 134+90 RT, 140+92 RT, 149+06 RT	48	0	16	32	0	0	0	0	32	32	NOT SOWN IN ERWK DATAÈ
SPOT LOCATION - EBS	UNDISTRIBUTED	0	60	0	0	0	108	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 2 SUBTOTAL	19,932	305	5,113	14,819	0	549	184	239	14,580	14,580	
STAGE 3												
NB TURN LANES	121+00/157+72	4,084	27	781	3,303	0	49	0	0	3,303	3,303	
TEMPORARY PAVEMENT MEDIAN	120+87/162+14	2,775	0	582	2,193	0	0	0	0	2,193	2,193	
SPOT LOCATION - EBS	UNDISTRIBUTED	0	5	0	0	0	9	0	0	0	0	
	STAGE 3 SUBTOTAL	6,859	32	1,363	5,496	0	58	0	0	5,496	5,496	
STAGE 4												
SB MAINLINE LANES	121+00/159+75 LT	20,496	241	5,019	15,477	0	434	46	60	15,417	15,417	
TEMPORARY PAVEMENT SB TRANSITION	157+65/160+50 LT	180	0	116	64	0	0	0	0	64	64	
SPOT LOCATION - EBS	UNDISTRIBUTED	0	60	0	0	0	108	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 4 SUBTOTAL	20,676	301	5,135	15,541	0	542	46	60	15,481	15,481	
STAGE 5												
PROPOSED SB TURN LANES & MEDIAN	121+00/159+75	7,695	85	744	6,951	0	153	0	0	6,951	6,951	
TEMPORARY PAVEMENT SB TRANSITION	159+75/160+50 LT	35	0	0	35	0	0	0	0	35	35	
REMOVE SIDEROAD TEMPORARY MEDIANS	126+42 RT, 134+90 RT, 140+92 RT, 149+06 RT	16	0	16	0	0	0	0	0	0	0	NOT SOWN IN ERWK DATAÈ
SPOT LOCATION - EBS	UNDISTRIBUTED	0	20	0	0	0	36	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 5 SUBTOTAL	7,746	105	760	6,986	0	189	0	0	6,986	6,986	
STAGE 6												
TEMPORARY PAVEMENT MEDIAN	162+77.21/200+55.14	3,573	0	1,105	2,468	0	0	6	8	2,460	2,460	
MEDIAN SPOT LOCATION - EBS	UNDISTRIBUTED	0	218	0	0	393	0	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 6 SUBTOTAL	3,573	218	1,105	2,468	393	0	6	8	2,460	2,460	
STAGE 7												
NB MAINLINE LANES	160+00/200+50 RT	16,645	680	4,661	11,984	0	1,224	395	514	11,471	11,471	
SPOT LOCATION - EBS	UNDISTRIBUTED	0	170	0	0	0	306	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 7 SUBTOTAL	16,645	850	4,661	11,984	0	1,530	395	514	11,471	11,471	
STAGE 8												
NB TURN LANES	165+00/200+52.37 RT	6,158	311	1,375	4,783	0	560	0	0	4,783	4,783	
TEMPORARY PAVEMENT MEDIAN	154+87/200+52	2,372	0	497	1,875	0	0	37	48	1,827	1,827	
SPOT LOCATION - EBS	UNDISTRIBUTED	0	80	0	0	0	144	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 8 SUBTOTAL	8,530	391	1,872	6,658	0	704	37	48	6,610	6,610	
STAGE 9												
SB MAINLINE LANES	159+75/200+50	22,138	732	4,922	17,216	0	1,318	47	61	17,155	17,155	
SPOT LOCATION - EBS	UNDISTRIBUTED	0	185	0	0	0	333	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 9 SUBTOTAL	22,138	917	4,922	17,216	0	1,651	47	61	17,155	17,155	
STAGE 10												
PROPOSED SB TURN LANES & MEDIAN	154+87/200+50	7,994	247	707	7,287	0	445	231	300	6,987	6,987	
SPOT LOCATION - EBS	UNDISTRIBUTED	0	60	0	0	0	108	0	0	0	0	NOT SOWN IN ERWK DATAÈ
	STAGE 10 SUBTOTAL	7,994	307	707	7,287	0	553	231	300	6,987	6,987	
	GRAND TOTAL	117,763	3,678	26,840	90,923	847	5,774	974	1,266	89,657	89,657	
	TOTAL COMMON EXC	121,441										

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS TO BE BACKFILLED WITH PIT RUN MATERIAL. ITEM NUMBER 313.0110. EXCEPT FOR STAGE 1&6, USE BREAKER RUN. ITEM NUMBER 311.0110. EBS IS ANTICIPATED TO BE HAULED OFF SITE BY THE CONTRACTOR.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(6) EXPANDED FILL FACTOR = 1.3
EXPANDED FILL = (UNEXPANDED FILL) * FILL FACTOR
(7) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(8) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY. EBS NOT INCLUDED IN WASTE VOLUME.

NOTE: EBS VOLUMES ABOVE INCLUDE 4-INCH DEPTH BELOW 20-INCH PIT RUN ANTICIPATED AT THE FOLLOWING LOCATIONS: STATION 154+94 TO 166+58, 188+98 TO 191+62, 195+34 to 200+75. PLACE GEOGRID TYPE SR AFTER PERFORMING EBS.

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

BASE PATCHING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	390.0201 BASE PATCHING ASPHALTIC TON	390.0305 BASE PATCHING CONCRETE HES CY	455.0605* TACK COAT GAL	416.0610* DRILLED TIE BARS EACH	416.0620* DRILLED DOWEL BARS EACH	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY
0010	2											
		STH 31 - 21ST ST TO STA 159+75	150+05	-	150+36	RT	--	--	--	6	17	9
SUBTOTAL							--	--	0	6	17	9
	4											
		STH 31 - STH 11 TO 21ST ST	126+20	-	126+70	LT	13	--	4.2	--	--	10
			134+78	-	134+97	LT	--	--	--	5	15	2
		STH 31 - 21ST ST TO STA 159+75	148+52	-	148+80	LT	--	7	2.2	5	41	9
SUBTOTAL							13	7	6.4	10	56	21
	7											
		STH 31 - STA 159+75 TO 16TH ST	177+13	-	177+30	RT	--	4	1.1	6	15	4
		STH 31 - 16TH ST TO STH 20	188+26	-	188+43	RT	--	--	--	5	18	4
SUBTOTAL							--	4	1.1	11	33	8
	9											
		STH 31 - 16TH ST TO STH 20	175+48	-	175+66	LT	--	--	--	5	18	4
SUBTOTAL							--	--	--	5	18	4
TOTALS							13	11	7.5	32	124	42

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DRIVEWAYS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSETALIGNMENT	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	602.0810 CONCRETE DRIVEWAY 6-INCH SY	602.0820 CONCRETE DRIVEWAY 8-INCH SY	602.0870 CONCRETE DRIVEWAY HES 8-INCH SY
0010	2										
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	77	19	80	22	--
SUBTOTAL							77	19	80	22	--
	4										
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT	18	3	--	27	--
SUBTOTAL							18	3	--	27	--
	7										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	23	2	21	33	--
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	186	57	--	63	61
SUBTOTAL							209	59	21	96	61
	9										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	39	8	39	--	--
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	210	46	--	120	63
SUBTOTAL							249	54	39	120	63
TOTALS							553	135	140	265	124

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

BASE AGGREGATE ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	313.0110* PIT RUN TON
0010	2							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT	4,500	13,500
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	1,900	5,700
SUBTOTAL							6,400	19,200
	3							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	900	2,700
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	200	500
SUBTOTAL							1,100	3,200
	4							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT	4,600	13,800
		STH 31 - 21ST ST TO STA 159+75	159+75	-	175+43	LT	2,000	6,100
SUBTOTAL							6,600	19,900
	5							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	1,900	5,800
		STH 31 - 21ST ST TO STA 159+75	159+75	-	176+21	RT&LT	900	2,300
SUBTOTAL							2,800	
	7							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	2,500	7,500
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	3,300	9,800
SUBTOTAL							5,700	17,200
	8							
		STH 31 - STA 159+75 ST TO 16TH ST	159+75	-	176+21	RT&LT	400	1,100
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	1,700	5,100
SUBTOTAL							2,100	6,200
	9							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	2,500	7,500
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	4,200	12,700
SUBTOTAL							6,700	20,200
	10							
		STH 31 - STA 159+75 ST TO 16TH ST	159+75	-	176+21	RT&LT	800	2,300
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	1,400	4,200
SUBTOTAL							2,200	6,500
TOTALS							33,600	100,600

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE PAVEMENT ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	415.0060 CONCRETE PAVEMENT 6-INCH SY	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1085 CONCRETE PAVEMENT HES 8 1/2-INCH SY
0010	2										
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT	--	8,990	--	1	2,960
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	--	3,620	36	2	1,490
SUBTOTAL							--	12,610	36	3	4,450
	3										
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	--	1,730	--	--	990
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	--	190	--	--	310
SUBTOTAL							--	1,920	--	--	1,300
	4										
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT	14	9,210	--	1	3,130
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT	--	3,150	--	3	2,310
SUBTOTAL							14	12,360	--	4	5,440
	5										
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	--	2,860	--	--	450
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	--	1,160	--	--	100
SUBTOTAL							--	4,020	--	--	550
0010	7										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	--	6,010	--	--	660
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	--	6,790	15	2	1,670
SUBTOTAL							--	12,800	15	2	2,330
	8										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	--	840	--	--	--
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	--	3,900	--	--	1,160
SUBTOTAL							--	4,740	--	--	1,160
	9										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	--	5,590	--	--	1,110
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	--	9,020	16	2	1,920
SUBTOTAL							--	14,610	16	2	3,030
	10										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	--	1,120	--	--	--
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	--	980	--	--	330
SUBTOTAL							--	2,100	--	--	330
TOTALS							14	65,160	67	11	18,590

ASPHALTIC ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	ALIGNMENT	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0105 ASPHALTIC SURFACE TON
0010	2								
		STH 31 - MULTI-USE TRAIL	150+65	-	153+76	RT		123	72
SUBTOTALS								123	72
	4								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT		--	7
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT		--	4
SUBTOTALS								--	11
	7								
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT		--	2
SUBTOTALS								--	2
	9								
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT		221	74
SUBTOTALS								221	74
TOTALS								344	159

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DRILLED BAR ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	ALIGNMENT	416.0610* DRILLED TIE BARS EACH	416.0620* DRILLED DOWEL BARS EACH
0010	2								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT		12	68
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT		--	45
SUBTOTAL								12	113
	3								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT		--	33
SUBTOTAL								--	33
	4								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT		42	63
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT		--	43
SUBTOTAL								42	106
	5								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT		--	8
SUBTOTAL								--	8
	7								
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT		--	57
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT		15	61
SUBTOTAL								15	118
	8								
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT		--	30
SUBTOTAL								--	30
	9								
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT		--	43
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT		15	70
SUBTOTAL								15	113
	10								
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT		--	7
SUBTOTAL								--	7
TOTALS								84	528

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE CURB & GUTTER

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0452 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0600 CONCRETE CURB PEDESTRIAN LF
0010	2										
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT	495	29	2,778	--	260
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT	173	14	1,062	--	--
SUBTOTAL							668	43	3,840	--	260
	4										
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	LT	--	803	2,273	--	83
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	LT	117	21	1,109	16	--
SUBTOTAL							117	824	3,382	16	83
	5										
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	4,959	420	--	--	86
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	724	650	--	--	12
SUBTOTAL							5,683	1,070	--	--	98
	7										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT	--	52	1,669	--	--
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT	85	329	2,211	--	--
SUBTOTAL							85	381	3,880	--	--
	9										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	LT	--	35	1,686	--	27
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	LT	162	253	2,394	--	115
SUBTOTAL							162	288	4,080	--	142
	10										
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	1,282	2,476	--	--	12
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	2,875	1,926	--	--	44
SUBTOTAL							4,157	4,402	--	--	56
TOTALS							10,872	7,008	15,182	16	639

CONCRETE SIDEWALK

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0410 CONCRETE SIDEWALK 5-INCH SF
0010	2							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT	314	12,700
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	92	3,700
SUBTOTAL							406	16,400
	4							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT	264	10,700
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT	120	4,900
SUBTOTAL							384	15,600
	5							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	278	11,200
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	47	1,900
SUBTOTAL							325	13,100
0010	7							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	195	7,900
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	268	10,800
SUBTOTAL							463	18,700
	9							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	180	7,300
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	268	10,900
SUBTOTAL							448	18,200
	10							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	91	3,700
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	174	7,000
SUBTOTAL							265	10,700
TOTAL							2,291	92,700

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CURB RAMP DETECTABLE WARNING FIELDS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
0010	2							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT	100	68
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	--	47
SUBTOTAL							100	115
	4							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT	100	62
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT	20	82
SUBTOTAL							120	144
	5							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT&LT	168	28
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	49	--
SUBTOTAL							217	28
0010	7							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	40	46
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	20	52
SUBTOTAL							60	98
	9							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	10	121
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	90	16
SUBTOTAL							100	137
	10							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	52	--
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT&LT	84	--
SUBTOTAL							136	--
TOTAL							733	522

COLD PATCH

CATEGORY	STAGE	LOCATION	495.1000.S TON
0010	ALL		
		PROJECT	15
TOTAL			15

CONCRETE MEDIAN NOSE

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	TYPE 2
0010	5							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	91	372
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	80	53
SUBTOTAL							171	425
0010	10							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	138	129
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	101	176
SUBTOTAL							239	305
TOTALS							1,140	

GEOGRID TYPE SR

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	645.0220 GEOGRID TYPE SR SY
0010	2						
		STH 31 -NB LANES, JOANNE DR TO STA 159+75	154+94	-	166+58	RT	2,110
SUBTOTAL							2,110
	3						
		STH 31 - NB TURN LANE	155+79	-	157+80	RT	180
SUBTOTAL							180
	4						
		STH 31 -NB LANES, JOANNE DR TO BYRD AVE	154+94	-	166+58	RT	2,170
SUBTOTAL							2,170
	5						
		STH 31 - MEDIAN - JOANNE DR TO BYRD AVE	154+94	-	166+58	LT/RT	730
SUBTOTAL							730
0010	7						
		STH 31 -NB LANES, STA 159+75 TO BYRD AVE	154+94	-	166+58	RT	3,010
		STH 31 -NB LANES, N OF WRIGHT AVE	188+98	-	191+62	RT	870
		STH 31 - NB LANES TO STH 20	195+34	-	200+95	RT	2,480
SUBTOTAL							6,360
	8						
		STH 31 - NB TURN LANE	155+79	-	157+80	RT	150
		STH 31 - TURN LANES , N OF WRIGHT AVE	188+98	-	191+62	RT	400
		STH 31 - TURN LANES TO STH 20	195+34	-	200+95	RT	1,790
SUBTOTAL							2,340
	9						
		STH 31 -NB LANES, JOANNE DR TO BYRD AVE	154+94	-	166+58	RT	3,090
		STH 31 -NB LANES, N OF WRIGHT AVE	188+98	-	191+62	RT	1,160
		STH 31 - NB LANES TO STH 20	195+34	-	200+95	RT	2,280
SUBTOTAL							6,530
	10						
		STH 31 - MEDIAN - JOANNE DR TO BYRD AVE	154+94	-	166+58	LT/RT	940
		STH 31 - MEDIAN, N OF CNH DRIVEWAY	188+98	-	191+62	LT/RT	800
		STH 31 - MEDIAN TO STH 20	195+34	-	200+95	LT	330
SUBTOTAL							2,070
TOTAL							22,490

EROSION CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	COMMENTS
0010	1												
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	--	--	--	11	--	--	TEMPORARY INLETS
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	--	--	--	5	--	--	TEMPORARY INLETS
		UNDISTRIBUTED - STOCKPILES					130	70	--	--	--	--	
SUBTOTAL							130	70	--	16	--	--	
	2												
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT	330	170	24	--	27	1	
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	--	--	9	1	8	1	
		UNDISTRIBUTED - STOCKPILES					440	220	--	--	--	--	
SUBTOTAL							770	390	33	1	35	2	
	3												
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	--	--	--	8	--	--	TEMPORARY INLETS
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	--	--	--	9	--	--	TEMPORARY INLETS
		UNDISTRIBUTED - STOCKPILES					100	50	--	--	--	--	
SUBTOTAL							100	50	--	17	--	--	
	4												
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT	160	80	23	--	22	1	
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT	--	--	12	--	10	1	
		UNDISTRIBUTED - STOCKPILES					420	210	--	--	--	--	
SUBTOTAL							580	290	35	--	32	2	
	5												
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	--	--	67	--	56	2	
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	--	--	16	3	8	2	
		UNDISTRIBUTED - STOCKPILES					210	110	--	--	--	--	
SUBTOTAL							210	110	83	3	64	4	
	6												
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	--	--	--	--	--	--	TEMPORARY INLETS
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	--	--	--	16	--	--	TEMPORARY INLETS
		UNDISTRIBUTED - STOCKPILES					130	70	--	--	--	--	
SUBTOTAL							130	70	--	16	--	--	
	7												
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	--	--	10	--	10	--	
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	--	--	17	--	19	--	
		UNDISTRIBUTED - STOCKPILES					420	210	--	--	--	--	
SUBTOTAL							420	210	27	--	29	--	
	8												
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	--	--	--	--	--	--	TEMPORARY INLETS
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	--	--	--	16	--	--	TEMPORARY INLETS
		UNDISTRIBUTED - STOCKPILES					100	50	--	--	--	--	
SUBTOTAL							100	50	--	16	--	--	
	9												
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	--	--	11	1	11	--	
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	--	--	23	--	26	--	
		UNDISTRIBUTED - STOCKPILES					430	220	--	--	--	--	
SUBTOTAL							430	220	34	1	37	--	
	10												
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	--	--	41	1	40	--	
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	--	--	61	1	52	--	
		UNDISTRIBUTED - STOCKPILES					290	150	--	--	--	--	
SUBTOTAL							290	150	102	2	92	--	
TOTALS							3,160	1,610	314	72	289	8	

3

EROSION CONTROL MOBILIZATION

CATEGORY	STAGE	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	1			
		STH 31	1	1
SUBTOTAL			1	1
	2			
		STH 31 NB	2	2
SUBTOTAL			2	2
	3			
		STH 31 NB LEFT TURN LANES	2	2
SUBTOTAL			2	2
	4			
		STH 31 SB	2	2
SUBTOTAL			2	2
	5			
		STH 31 SB LEFT TURN LANES AND MEDIAN	2	1
SUBTOTAL			2	1
	6			
		STH 31	1	1
SUBTOTAL			1	1
	7			
		STH 31 NB	2	2
SUBTOTAL			2	2
	8			
		STH 31 NB LEFT TURN LANES	2	2
SUBTOTAL			2	2
	9			
		STH 31 SB	2	2
SUBTOTAL			2	2
	10			
		STH 31 SB LEFT TURN LANES AND MEDIAN	2	1
SUBTOTAL			2	1
TOTALS			18	16

TRACKING PADS

CATEGORY	STAGE	LOCATION	628.7560 EACH
0010	1		
		STH 31	2
SUBTOTAL			2
	2		
		STH 31 NB	2
SUBTOTAL			2
	3		
		STH 31 NB LEFT TURN LANES	2
SUBTOTAL			2
	4		
		STH 31 SB	2
SUBTOTAL			2
	5		
		STH 31 SB LEFT TURN LANES AND MEDIAN	2
SUBTOTAL			2
	6		
		STH 31	2
SUBTOTAL			2
	7		
		STH 31 NB	2
SUBTOTAL			2
	8		
		STH 31 NB LEFT TURN LANES	2
SUBTOTAL			2
	9		
		STH 31 SB	2
SUBTOTAL			2
	10		
		STH 31 SB LEFT TURN LANES AND MEDIAN	2
SUBTOTAL			2
TOTALS			20

3

RESTORATION ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	625.0100 TOPSOIL SY	628.2002 EROSION MAT CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY	627.0200 MULCHING SY	628.6510 SOIL STABILIZER TYPE B ACRE
0010	2																
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT	4090	2320	1.8	--	104	184	52	40	1770	2320	--
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	960	420	0.4	--	19	43	9	12	540	420	--
		UNDISTRIBUTED					510	270	0.2	--	12	29	6	5	230	270	--
SUBTOTAL							5560	3010	2.4	--	135	256	67	57	2540	3010	--
	4																
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT	3000	1210	1.4	--	55	135	27	40	1790	1210	--
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT	940	380	0.4	--	17	42	9	13	560	380	--
		UNDISTRIBUTED					390	160	0.2		7	11	4	5	230	160	--
SUBTOTAL							4330	1750	2	--	79	188	40	58	2580	1750	--
	5																
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	730	730	0.3	33	--	33	16	--	--	730	0.15
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	350	350	0.2	16	--	16	8	--	--	350	0.07
		UNDISTRIBUTED					110	110	0	5	--	16	2	--	--	110	0.02
SUBTOTAL							1190	1190	0.5	54	--	65	26	--	--	1190	0.24
	7																
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	2370	1330	1.1	--	60	106	30	23	1030	1330	--
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	1910	1040	0.9	--	47	86	23	20	870	1040	--
		UNDISTRIBUTED					430	240	0.2	--	11	17	5	4	190	240	--
SUBTOTAL							4710	2610	2.2	--	118	209	58	47	2090	2610	--
	9																
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	1890	1040	0.8	--	47	85	23	19	850	1040	--
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	2650	1440	1.2	--	65	119	32	27	1220	1440	--
		UNDISTRIBUTED					450	250	0.2		11	12	6	5	210	250	--
SUBTOTAL							4990	2730	2.2	--	123	216	61	51	2280	2730	--
	10																
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	2540	2540	1.1	114	--	114	57	--	--	2540	0.52
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	1870	1870	0.8	84	--	84	42	--	--	1870	0.39
		UNDISTRIBUTED					440	440	0.2	20	--	26	10	--	--	440	0.09
SUBTOTAL							4850	4850	2.3	218	--	224	109	--	--	4850	1.00
TOTALS							25630	16140	11.6	272	455	1158	361	213	9,490	16140	1.24

MISCELLANEOUS PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	STATION	ALIGNMENT	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	633.5350 MARKERS PERMANENT FLEXIBLE EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	5												
		STH 11 INTERSECTION	120+15	LT&RT	12	6	--	102	--	--	246	53	2
		TIMBER DR & REGENCY MALL SOUTH INTERSECTION	126+50	LT&RT	11	4	2	168	--	--	702	92	3
		REGENCY WEST DR & REGENCY MALL NORTH INTERSECTION	134+95	LT&RT	10	3	2	156	--	--	691	87	3
		HIGH RIDGE ENTRANCE	140+85	LT&RT	8	--	2	156	--	76	727	127	4
		21ST STREET INTERSECTION	149+00	LT&RT	13	5	2	196	--	--	833	104	4
		JOANNE DR INTERSECTION	154+80	LT	1	--	--	20	--	--	--	--	--
		MARGERY DR INTERSECTION	158+00	LT	5	--	--	23	--	--	--	135	4
SUBTOTAL					60	18	8	820	--	76	3,198	598	20
	10												
		CASTLE CT INTERSECTION	162+45	RT	3	--	--	20	--	--	--	68	2
		GREENLEAF BLVD INTERSECTION	163+85	LT	1	--	--	22	--	--	--	--	--
		SUNSET BLVD & BYRD AVE INTERSECTION	167+00	LT&RT	7	--	--	46	--	--	157	145	4
		LINCOLN VILLAGE DR INTERSECTION	171+30	LT	3	--	--	27	--	--	--	68	2
		16TH STREET INTERSECTION	176+20	LT	11	3	2	181	--	--	694	66	2
		15TH ST/HORIZON BLVD NORTH INTERSECTION	183+10	LT	3	--	--	26	--	--	--	70	2
		CNH DRIVEWAY & WRIGHT AVE INTERSECTION	188+25	LT&RT	8	2	2	153	--	--	602	74	2
		COMMERCIAL ENTRANCE	194+45	LT&RT	2	--	--	--	--	--	--	62	2
		WALMART ENTRANCE	197+20	LT&RT	1	--	--	22	--	--	--	--	--
		STH 20 INTERSECTION	201+50	LT	17	14	--	218	35	--	1,562	19	1
SUBTOTAL					56	19	4	714	35	--	3,014	573	17
TOTALS					116	37	12	1,534	35	76	6,212	1,171	37

LONG LINE PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO STATION	ALIGNMENT	646.1020 MARKING LINE EPOXY 4-INCH 3' LINE 9' SKIP YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH 12.5' LINE 25' SKIP BLACK LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH 12.5' LINE 25' SKIP WH ITE LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH SOLID WHITE LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH SOLID YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH SOLID WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH 3' LINE 9' SKIP WHITE LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH 3' LINE 9' SKIP WHITE LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH 2' LINE 6' SKIP WHITE LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH 2' LINE 6' SKIP BLACK LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH SOLID WHITE LF
0010	5																	
		STH 31 - STH 11 TO 21ST ST	120+67	- 148+77	LT&RT	--	--	--	3,138	3,138	4,731	4,683	--	--	82	--	--	4,882
		STH 11 INTERSECTION	120+15		LT&RT	--	--	--	--	--	--	--	--	--	--	63	63	352
		TIMBER DR & REGENCY MALL SOUTH INTERSECTION	126+50		LT&RT	--	294	56	--	--	--	--	403	53	--	--	--	--
		REGENCY WEST DR & REGENCY MALL NORTH INTERSECTION	134+95		LT&RT	--	354	--	--	--	--	--	162	19	--	--	--	--
		HIGH RIDGE ENTRANCE	140+85		LT&RT	--	160	--	--	--	--	--	108	--	--	--	--	--
		21ST STREET INTERSECTION	149+00		LT&RT	--	--	--	--	--	--	--	524	61	--	--	--	--
SUBTOTAL						--	808	56	3,138	3,138	4,731	4,683	1,197	133	82	63	63	352
		STH 31 - 21ST ST TO STA 159+75	148+77	- 159+75	LT&RT	27	--	--	994	994	1,792	1,841	--	--	--	--	--	981
		JOANNE DR INTERSECTION	154+80		LT	--	112	--	--	--	--	--	--	--	--	--	--	--
		MARGERY DR INTERSECTION	158+00		LT	--	132	--	--	--	--	--	--	--	--	--	--	--
SUBTOTAL						27	244	--	994	994	1,792	1,841	--	--	--	--	--	981
	10																	
		STH 31 - STA 159+75 TO 16TH ST	159+75	- 176+21	LT&RT	27	--	--	1,569	1,569	2,686	2,823	--	--	--	--	--	1,283
		CASTLE CT INTERSECTION	162+45		RT	--	149	--	--	--	--	--	--	--	--	--	--	--
		GREENLEAF BLVD INTERSECTION	163+85		LT	--	113	--	--	--	--	--	--	--	--	--	--	--
		SUNSET BLVD & BYRD AVE INTERSECTION	167+00		LT&RT	--	365	--	--	--	--	--	--	--	--	--	--	--
		LINCOLN VILLAGE DR INTERSECTION	171+30		LT	--	172	--	--	--	--	--	--	--	--	--	--	--
		16TH STREET INTERSECTION	176+20		LT	--	610	--	--	--	--	--	413	19	--	--	--	--
SUBTOTAL						27	1,409	--	1,569	1,569	2,686	2,823	413	19	--	--	--	1,283
		STH 31 - 16TH ST TO STH 20	176+21	- 200+95	LT&RT	13	--	--	2,579	2,579	--	--		--	52	--	--	4,430
		15TH ST/HORIZON BLVD NORTH INTERSECTION	183+10		LT	--	223	--	--	--	--	--	--	--	--	--	--	--
		CNH DRIVEWAY & WRIGHT AVE INTERSECTION	188+25		LT&RT	--	333	--	--	--	--	--	163	--	--	--	--	--
		WALMART ENTRANCE	197+20		LT&RT	--	89	--	--	--	--	--	--	--	--	--	--	--
		STH 20 INTERSECTION	201+50		LT	--	--	--	364	364	--	--	--	--	--	75	75	1,581
SUBTOTAL						13	645	--	2,943	2,943	--	--	163	--	52	75	75	6,011
TOTALS						67	3,106	56	8,644	8,644	9,209	9,347	1,773	152	134	138	138	8,627
							3,229				27,200		1,925			9,037		

COLD WEATHER LONG LINE PAVEMENT MARKING

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	ALIGNMENT	646.6464 COLD WEATHER MARKING EPOXY 4-INCH 3' LINE 9' SKIP YELLOW LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH SOLID YELLOW LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.6466 COLD WEATHER MARKING EPOXY 6-INCH 12.5' LINE 25' SKIP WH ITE LF	646.6466 COLD WEATHER MARKING EPOXY 6-INCH SOLID WHITE LF	646.6466 COLD WEATHER MARKING EPOXY 6-INCH SOLID YELLOW LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH SOLID WHITE LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH 3' LINE 9' SKIP WHITE LF	646.6470 COLD WEATHER MARKING EPOXY 10-INCH 3' LINE 9' SKIP WHITE LF	646.6470 COLD WEATHER MARKING EPOXY 10-INCH 2' LINE 6' SKIP WHITE LF
0010	5															
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	LT&RT	--	--	--	3,138	4,731	4,683	--	--	82	--
		STH 11 INTERSECTION	120+15			LT&RT	--	--	--	--	--	--	--	--	--	63
		TIMBER DR & REGENCY MALL SOUTH INTERSECTION	126+50			LT&RT	--	294	56	--	--	--	403	53	--	--
		REGENCY WEST DR & REGENCY MALL NORTH INTERSECTION	134+95			LT&RT	--	354	--	--	--	--	162	19	--	--
		HIGH RIDGE ENTRANCE	140+85			LT&RT	--	160	--	--	--	--	108	--	--	--
		21ST STREET INTERSECTION	149+00			LT&RT	--	--	--	--	--	--	524	61	--	--
SUBTOTAL							--	808	56	3,138	4,731	4,683	1,197	133	82	63
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	LT&RT	27	--	--	994	1,792	1,841	--	--	--	--
		JOANNE DR INTERSECTION	154+80			LT	--	112	--	--	--	--	--	--	--	--
		MARGERY DR INTERSECTION	158+00			LT	--	132	--	--	--	--	--	--	--	--
SUBTOTAL							27	244	--	994	1,792	1,841	--	--	--	--
	10															
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	LT&RT	27	--	--	1,569	2,686	2,823	--	--	--	--
		CASTLE CT INTERSECTION	162+45			RT	--	149	--	--	--	--	--	--	--	--
		GREENLEAF BLVD INTERSECTION	163+85			LT	--	113	--	--	--	--	--	--	--	--
		SUNSET BLVD & BYRD AVE INTERSECTION	167+00			LT&RT	--	365	--	--	--	--	--	--	--	--
		LINCOLN VILLAGE DR INTERSECTION	171+30			LT	--	172	--	--	--	--	--	--	--	--
		16TH STREET INTERSECTION	176+20			LT	--	610	--	--	--	--	413	19	--	--
SUBTOTAL							27	1,409	--	1,569	2,686	2,823	413	19	--	--
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	LT&RT	13	--	--	2,579	--	--		--	52	--
		15TH ST/HORIZON BLVD NORTH INTERSECTION	183+10			LT	--	223	--	--	--	--	--	--	--	--
		CNH DRIVEWAY & WRIGHT AVE INTERSECTION	188+25			LT&RT	--	333	--	--	--	--	163	--	--	--
		WALMART ENTRANCE	197+20			LT&RT	--	89	--	--	--	--	--	--	--	--
		STH 20 INTERSECTION	201+50			LT	--	--	--	364	--	--	--	--	--	75
SUBTOTAL							13	645	--	2,943	--	--	163	--	52	75
TOTALS							67	3,106	56	8,644	9,209	9,347	1,773	152	134	138
								3,229			27,200			1,925		13,919

STAKING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) EACH	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500 CONSTRUCTION STAKING SIDEWALK (PROJECT) EACH	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	ALL													
		PROJECT	120+67	-	200+95	RT&LT	16,054	854	16,054	1	93	1	1	16,054
TOTALS							16,054	854	16,054	1	93	1	1	16,054

PIPE UNDERDRAIN ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
0010	2									
		STH 31 - STH 11 TO 21ST ST	121+65	-	122+56	RT	5	79	12	14
		STH 31 - STH 11 TO 21ST ST	122+60	-	125+47	RT	16	276	12	48
		STH 31 - STH 11 TO 21ST ST	125+51	-	125+83	RT	2	21	12	4
		STH 31 - STH 11 TO 21ST ST	127+09	-	127+99	RT	5	78	12	14
		STH 31 - STH 11 TO 21ST ST	128+02	-	128+99	RT	5	85	12	15
		STH 31 - STH 11 TO 21ST ST	129+03	-	130+41	RT	8	126	12	22
		STH 31 - STH 11 TO 21ST ST	130+44	-	130+98	RT	3	42	12	7
		STH 31 - STH 11 TO 21ST ST	131+02	-	131+56	RT	3	42	12	7
		STH 31 - STH 11 TO 21ST ST	131+59	-	132+99	RT	8	127	12	22
		STH 31 - STH 11 TO 21ST ST	133+02	-	134+29	RT	7	115	12	20
		STH 31 - STH 11 TO 21ST ST	135+38	-	135+71	RT	2	21	12	4
		STH 31 - STH 11 TO 21ST ST	135+75	-	136+79	RT	6	92	12	16
		STH 31 - STH 11 TO 21ST ST	136+82	-	137+62	RT	5	68	12	12
		STH 31 - STH 11 TO 21ST ST	137+66	-	138+78	RT	6	100	12	17
		STH 31 - STH 11 TO 21ST ST	138+81	-	139+97	RT	7	103	12	18
		STH 31 - STH 11 TO 21ST ST	140+00	-	140+53	RT	3	45	12	8
		STH 31 - STH 11 TO 21ST ST	141+30	-	141+75	RT	3	38	12	7
		STH 31 - STH 11 TO 21ST ST	141+78	-	144+92	RT	18	301	12	53
		STH 31 - STH 11 TO 21ST ST	144+96	-	148+49	RT	20	340	12	59
		STH 31 - 21ST ST TO 16TH ST	150+00	-	150+29	RT	2	17	12	3
		STH 31 - 21ST ST TO 16TH ST	150+33	-	150+86	RT	3	41	12	7
		STH 31 - 21ST ST TO 16TH ST	150+90	-	151+33	RT	2	31	12	5
		STH 31 - 21ST ST TO 16TH ST	151+44	-	152+82	RT	8	125	12	22
		STH 31 - 21ST ST TO 16TH ST	152+85	-	155+28	RT	14	230	12	40
		STH 31 - 21ST ST TO 16TH ST	155+31	-	156+73	RT	8	129	12	23
		STH 31 - 21ST ST TO 16TH ST	156+76	-	159+20	RT	14	232	12	40
		STH 31 - 21ST ST TO 16TH ST	159+23	-	159+63	RT	2	29	12	5
SUBTOTALS							185	2,933	324	512
	4									
		STH 31 - STH 11 TO 21ST ST	121+61	-	122+56	LT	5	83	12	14
		STH 31 - STH 11 TO 21ST ST	122+59	-	125+47	LT	16	276	12	48
		STH 31 - STH 11 TO 21ST ST	127+07	-	128+99	LT	11	181	12	32
		STH 31 - STH 11 TO 21ST ST	129+03	-	130+41	LT	8	126	12	22
		STH 31 - STH 11 TO 21ST ST	130+44	-	130+98	LT	3	42	12	7
		STH 31 - STH 11 TO 21ST ST	131+02	-	131+56	LT	3	43	12	8
		STH 31 - STH 11 TO 21ST ST	131+60	-	132+98	LT	8	126	12	22
		STH 31 - STH 11 TO 21ST ST	133+01	-	134+34	LT	8	121	12	21
		STH 31 - STH 11 TO 21ST ST	135+60	-	135+87	LT	2	15	12	3
		STH 31 - STH 11 TO 21ST ST	135+91	-	136+79	LT	5	77	12	13
		STH 31 - STH 11 TO 21ST ST	136+82	-	137+62	LT	5	68	12	12
		STH 31 - STH 11 TO 21ST ST	137+66	-	138+78	LT	6	101	12	18
		STH 31 - STH 11 TO 21ST ST	138+81	-	139+97	LT	7	104	12	18
		STH 31 - STH 11 TO 21ST ST	140+00	-	140+42	LT	3	41	12	7
		STH 31 - STH 11 TO 21ST ST	141+10	-	141+75	LT	4	59	12	10
		STH 31 - STH 11 TO 21ST ST	141+78	-	144+92	LT	18	303	12	53
		STH 31 - STH 11 TO 21ST ST	144+96	-	146+99	LT	12	192	12	34
		STH 31 - STH 11 TO 21ST ST	147+02	-	148+49	LT	9	147	12	26
		STH 31 - 21ST ST TO 16TH ST	149+25	-	150+29	LT	7	103	12	18
		STH 31 - 21ST ST TO 16TH ST	150+33	-	150+91	LT	3	47	12	8
		STH 31 - 21ST ST TO 16TH ST	150+95	-	151+33	LT	2	26	12	5
		STH 31 - 21ST ST TO 16TH ST	151+44	-	154+60	LT	18	309	12	54
		STH 31 - 21ST ST TO 16TH ST	155+03	-	155+27	LT	2	17	12	3
		STH 31 - 21ST ST TO 16TH ST	155+31	-	156+73	LT	8	131	12	23
		STH 31 - 21ST ST TO 16TH ST	156+76	-	157+53	LT	4	65	12	11
		STH 31 - 21ST ST TO 16TH ST	158+48	-	159+22	LT	4	61	12	11
		STH 31 - 21ST ST TO 16TH ST	159+25	-	159+75	LT	3	37	12	6
SUBTOTALS							184	2,901	324	507
	5									
		STH 31 - STH 11 TO 21ST ST	120+89	-	122+56	RT&LT	19	325	12	57
		STH 31 - STH 11 TO 21ST ST	122+60	-	123+98	RT&LT	8	127	12	22
		STH 31 - STH 11 TO 21ST ST	122+60	-	123+98	RT&LT	8	127	12	22
		STH 31 - STH 11 TO 21ST ST	124+02	-	125+55	RT&LT	9	142	12	25
		STH 31 - STH 11 TO 21ST ST	124+02	-	125+55	RT&LT	9	142	12	25
		STH 31 - STH 11 TO 21ST ST	125+59	-	125+80	RT&LT	3	33	12	6
		STH 31 - STH 11 TO 21ST ST	127+02	-	128+99	RT&LT	22	384	12	67
		STH 31 - STH 11 TO 21ST ST	129+03	-	130+41	RT&LT	8	127	12	22
		STH 31 - STH 11 TO 21ST ST	129+03	-	130+41	RT&LT	8	127	12	22
		STH 31 - STH 11 TO 21ST ST	130+44	-	130+98	RT&LT	3	42	12	7
		STH 31 - STH 11 TO 21ST ST	130+44	-	130+98	RT&LT	3	43	12	8
		STH 31 - STH 11 TO 21ST ST	131+02	-	131+56	RT&LT	3	43	12	8
		STH 31 - STH 11 TO 21ST ST	131+02	-	131+56	RT&LT	3	43	12	8
		STH 31 - STH 11 TO 21ST ST	131+60	-	132+98	RT&LT	8	127	12	22

PIPE UNDERDRAIN ITEMS CONTINUED

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
		STH 31 - STH 11 TO 21ST ST	131+60	-	132+98	RT&LT	8	127	12	22
		STH 31 - STH 11 TO 21ST ST	133+02	-	134+30	RT&LT	15	248	12	43
		STH 31 - STH 11 TO 21ST ST	135+53	-	135+79	RT&LT	3	43	12	8
		STH 31 - STH 11 TO 21ST ST	135+83	-	136+79	RT&LT	5	84	12	15
		STH 31 - STH 11 TO 21ST ST	135+83	-	136+79	RT&LT	5	84	12	15
		STH 31 - STH 11 TO 21ST ST	136+82	-	137+62	RT&LT	5	68	12	12
		STH 31 - STH 11 TO 21ST ST	136+82	-	137+62	RT&LT	5	68	12	12
		STH 31 - STH 11 TO 21ST ST	137+66	-	138+78	RT&LT	6	102	12	18
		STH 31 - STH 11 TO 21ST ST	137+66	-	138+78	RT&LT	6	101	12	18
		STH 31 - STH 11 TO 21ST ST	138+81	-	139+97	RT&LT	7	104	12	18
		STH 31 - STH 11 TO 21ST ST	138+81	-	140+17	RT&LT	9	144	12	25
		STH 31 - STH 11 TO 21ST ST	141+57	-	141+75	RT&LT	2	25	12	4
		STH 31 - STH 11 TO 21ST ST	141+78	-	143+16	RT&LT	8	126	12	22
		STH 31 - STH 11 TO 21ST ST	141+86	-	143+16	RT&LT	7	118	12	21
		STH 31 - STH 11 TO 21ST ST	143+20	-	144+92	RT&LT	10	162	12	28
		STH 31 - STH 11 TO 21ST ST	143+20	-	144+92	RT&LT	10	160	12	28
		STH 31 - STH 11 TO 21ST ST	144+96	-	147+98	RT&LT	17	292	12	51
		STH 31 - STH 11 TO 21ST ST	144+96	-	146+99	RT&LT	11	191	12	33
		STH 31 - STH 11 TO 21ST ST	147+03	-	148+24	RT&LT	8	135	12	24
		STH 31 - 21ST ST TO 16TH ST	149+85	-	150+29	RT&LT	5	78	12	14
		STH 31 - 21ST ST TO 16TH ST	150+33	-	150+94	RT&LT	4	50	12	9
		STH 31 - 21ST ST TO 16TH ST	150+41	-	150+94	RT&LT	3	42	12	7
		STH 31 - 21ST ST TO 16TH ST	150+98	-	151+33	RT&LT	2	23	12	4
		STH 31 - 21ST ST TO 16TH ST	150+98	-	151+33	RT&LT	2	23	12	4
		STH 31 - 21ST ST TO 16TH ST	151+44	-	152+81	RT&LT	8	124	12	22
		STH 31 - 21ST ST TO 16TH ST	151+44	-	152+81	RT&LT	8	124	12	22
		STH 31 - 21ST ST TO 16TH ST	152+84	-	155+28	RT&LT	14	231	12	40
		STH 31 - 21ST ST TO 16TH ST	152+92	-	155+28	RT&LT	13	225	12	39
		STH 31 - 21ST ST TO 16TH ST	155+39	-	156+73	RT&LT	8	122	12	21
		STH 31 - 21ST ST TO 16TH ST	155+39	-	156+73	RT&LT	8	122	12	21
		STH 31 - 21ST ST TO 16TH ST	156+84	-	157+49	RT&LT	8	121	12	21
		STH 31 - 21ST ST TO 16TH ST	158+48	-	159+20	RT&LT	5	71	12	12
		STH 31 - 21ST ST TO 16TH ST	158+59	-	159+21	RT&LT	4	50	12	9
		STH 31 - 21ST ST TO 16TH ST	159+32	-	159+75	RT&LT	2	31	12	5
		STH 31 - 21ST ST TO 16TH ST	159+75	-	162+54	RT&LT	4	57	12	10
SUBTOTALS							359	5,708	588	998
	7									
		STH 31 - 21ST ST TO 16TH ST	159+67	-	161+99	RT	13	225	12	39
		STH 31 - 21ST ST TO 16TH ST	162+63	-	166+13	RT	21	351	12	61
		STH 31 - 21ST ST TO 16TH ST	166+24	-	166+52	RT	2	16	12	3
		STH 31 - 21ST ST TO 16TH ST	167+50	-	168+24	RT	4	61	12	11
		STH 31 - 21ST ST TO 16TH ST	168+27	-	168+88	RT	3	49	12	9
		STH 31 - 21ST ST TO 16TH ST	168+91	-	174+65	RT	32	559	12	98
		STH 31 - 21ST ST TO 16TH ST	174+68	-	175+39	RT	4	59	12	10
		STH 31 - 16TH ST TO STH 20	175+43	-	176+16	RT	5	79	12	14
		STH 31 - 16TH ST TO STH 20	177+06	-	177+93	RT	5	75	12	13
		STH 31 - 16TH ST TO STH 20	177+97	-	180+36	RT	14	228	12	40
		STH 31 - 16TH ST TO STH 20	180+40	-	184+60	RT	24	408	12	71
		STH 31 - 16TH ST TO STH 20	184+63	-	185+21	RT	3	46	12	8
		STH 31 - 16TH ST TO STH 20	185+25	-	185+68	RT	2	32	12	6
		STH 31 - 16TH ST TO STH 20	185+72	-	187+68	RT	11	185	12	32
		STH 31 - 16TH ST TO STH 20	188+78	-	189+02	RT	1	11	12	2
		STH 31 - 16TH ST TO STH 20	189+05	-	191+00	RT	11	183	12	32
		STH 31 - 16TH ST TO STH 20	191+12	-	196+68	RT	31	543	12	95
		STH 31 - 16TH ST TO STH 20	196+72	-	200+05	RT	19	322	12	56
SUBTOTALS							205	3,432	216	600
	9									
		STH 31 - 21ST ST TO 16TH ST	159+75	-	162+55	LT	16	263	12	46
		STH 31 - 21ST ST TO 16TH ST	162+82	-	163+47	LT	4	53	12	9
		STH 31 - 21ST ST TO 16TH ST	164+31	-	166+13	LT	10	170	12	30
		STH 31 - 21ST ST TO 16TH ST	166+24	-	166+44	LT	1	8	12	1
		STH 31 - 21ST ST TO 16TH ST	167+40	-	168+42	LT	6	90	12	16
		STH 31 - 21ST ST TO 16TH ST	168+46	-	168+88	LT	2	30	12	5
		STH 31 - 21ST ST TO 16TH ST	168+91	-	170+77	LT	11	174	12	30
		STH 31 - 21ST ST TO 16TH ST	171+75	-	174+65	LT	16	279	12	49
		STH 31 - 21ST ST TO 16TH ST	174+68	-	175+43	LT	4	63	12	11
		STH 31 - 16TH ST TO STH 20	176+79	-	178+15	LT	8	124	12	22
		STH 31 - 16TH ST TO STH 20	178+18	-	180+96	LT	16	266	12	46
		STH 31 - 16TH ST TO STH 20	180+99	-	182+65	LT	9	153	12	27
		STH 31 - 16TH ST TO STH 20	183+55	-	184+60	LT	6	93	12	16
		STH 31 - 16TH ST TO STH 20	184+63	-	185+21	LT	3	46	12	8
		STH 31 - 16TH ST TO STH 20	185+25	-	185+68	LT	2	32	12	6
		STH 31 - 16TH ST TO STH 20	185+72	-	187+79	LT	12	196	12	34

(CONTINUED ON THE NEXT SHEET)

PIPE UNDERDRAIN ITEMS CONTINUED

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
		STH 31 - 16TH ST TO STH 20	188+58	-	188+94	LT	2	24	12	4
		STH 31 - 16TH ST TO STH 20	189+05	-	191+00	LT	11	183	12	32
		STH 31 - 16TH ST TO STH 20	191+12	-	194+76	LT	21	356	12	62
		STH 31 - 16TH ST TO STH 20	194+79	-	195+77	LT	5	84	12	15
		STH 31 - 16TH ST TO STH 20	195+81	-	196+68	LT	5	75	12	13
		STH 31 - 16TH ST TO STH 20	197+63	-	198+73	LT	6	98	12	17
		STH 31 - 16TH ST TO STH 20	198+76	-	200+05	LT	7	117	12	20
SUBTOTALS							183	2,977	276	519
	10									
		STH 31 - 21ST ST TO 16TH ST	159+32	-	160+00	RT&LT	16	266	12	46
		STH 31 - 21ST ST TO 16TH ST	160+00	-	162+38	RT&LT	14	227	12	40
		STH 31 - 21ST ST TO 16TH ST	162+41	-	162+67	RT&LT	2	26	12	5
		STH 31 - 21ST ST TO 16TH ST	162+92	-	166+31	RT&LT	26	445	12	78
		STH 31 - 21ST ST TO 16TH ST	164+09	-	166+21	RT&LT	12	201	12	35
		STH 31 - 21ST ST TO 16TH ST	167+56	-	168+68	RT&LT	10	171	12	30
		STH 31 - 21ST ST TO 16TH ST	168+27	-	168+88	RT&LT	3	49	12	9
		STH 31 - 21ST ST TO 16TH ST	168+91	-	169+76	RT&LT	5	74	12	13
		STH 31 - 21ST ST TO 16TH ST	168+91	-	169+76	RT&LT	5	73	12	13
		STH 31 - 21ST ST TO 16TH ST	169+79	-	170+82	RT&LT	12	197	12	34
		STH 31 - 21ST ST TO 16TH ST	171+07	-	171+37	RT&LT	4	58	12	10
		STH 31 - 21ST ST TO 16TH ST	171+40	-	172+37	RT&LT	6	86	12	15
		STH 31 - 21ST ST TO 16TH ST	171+40	-	174+65	RT&LT	18	313	12	55
		STH 31 - 21ST ST TO 16TH ST	172+40	-	174+65	RT&LT	13	213	12	37
		STH 31 - 21ST ST TO 16TH ST	174+68	-	175+46	RT&LT	4	66	12	12
		STH 31 - 21ST ST TO 16TH ST	174+68	-	175+39	RT&LT	4	59	12	10
		STH 31 - 16TH ST TO STH 20	176+85	-	177+03	RT&LT	1	11	12	2
		STH 31 - 16TH ST TO STH 20	176+90	-	177+11	RT&LT	1	9	12	2
		STH 31 - 16TH ST TO STH 20	177+14	-	178+20	RT&LT	6	94	12	16
		STH 31 - 16TH ST TO STH 20	177+22	-	178+20	RT&LT	6	86	12	15
		STH 31 - 16TH ST TO STH 20	178+31	-	180+36	RT&LT	12	194	12	34
		STH 31 - 16TH ST TO STH 20	178+32	-	180+36	RT&LT	12	193	12	34
		STH 31 - 16TH ST TO STH 20	180+50	-	182+70	RT&LT	25	433	12	76
		STH 31 - 16TH ST TO STH 20	182+97	-	183+20	RT&LT	2	26	12	5
		STH 31 - 16TH ST TO STH 20	183+04	-	184+60	RT&LT	9	145	12	25
		STH 31 - 16TH ST TO STH 20	183+24	-	184+60	RT&LT	8	124	12	22
		STH 31 - 16TH ST TO STH 20	184+63	-	185+21	RT&LT	3	46	12	8
		STH 31 - 16TH ST TO STH 20	184+63	-	185+21	RT&LT	3	46	12	8
		STH 31 - 16TH ST TO STH 20	185+25	-	185+68	RT&LT	2	32	12	6
		STH 31 - 16TH ST TO STH 20	185+25	-	185+68	RT&LT	2	32	12	6
		STH 31 - 16TH ST TO STH 20	185+80	-	187+66	RT&LT	12	196	12	34
		STH 31 - 16TH ST TO STH 20	185+80	-	186+54	RT&LT	4	63	12	11
		STH 31 - 16TH ST TO STH 20	186+58	-	187+43	RT&LT	5	73	12	13
		STH 31 - 16TH ST TO STH 20	188+75	-	189+02	RT&LT	2	20	12	3
		STH 31 - 16TH ST TO STH 20	188+80	-	189+02	RT&LT	1	10	12	2
		STH 31 - 16TH ST TO STH 20	189+05	-	189+98	RT&LT	5	81	12	14
		STH 31 - 16TH ST TO STH 20	189+13	-	189+98	RT&LT	5	73	12	13
		STH 31 - 16TH ST TO STH 20	190+02	-	191+00	RT&LT	6	87	12	15
		STH 31 - 16TH ST TO STH 20	190+02	-	191+00	RT&LT	6	87	12	15
		STH 31 - 16TH ST TO STH 20	191+04	-	192+59	RT&LT	9	143	12	25
		STH 31 - 16TH ST TO STH 20	191+12	-	194+14	RT&LT	17	292	12	51
		STH 31 - 16TH ST TO STH 20	192+62	-	194+19	RT&LT	9	149	12	26
		STH 31 - 16TH ST TO STH 20	194+24	-	196+76	RT&LT	29	504	12	88
		STH 31 - 16TH ST TO STH 20	196+80	-	198+73	RT&LT	11	181	12	32
		STH 31 - 16TH ST TO STH 20	196+80	-	198+73	RT&LT	11	181	12	32
		STH 31 - 16TH ST TO STH 20	198+76	-	200+05	RT&LT	7	117	12	20
		STH 31 - 16TH ST TO STH 20	198+76	-	200+05	RT&LT	7	117	12	20
		STH 31 - 16TH ST TO STH 20	200+09	-	200+51	RT&LT	5	77	12	13
SUBTOTALS							397	6,446	576	1,128
TOTALS							1,513	24,397	2,304	4,264

FIELD OFFICE

CATEGORY	STAGE	LOCATION	SPV.0060.002 FIELD FACILITIES OFFICE SPACE EACH
0010	ALL	PROJECT	1
TOTAL			1

MOBILIZATION

CATEGORY	STAGE	LOCATION	619.1000 EACH
0010	ALL	PROJECT	1
TOTAL			1

CPM PROGRESS SCHEDULE

CATEGORY	STAGE	LOCATION	108.4400 EACH
0010	ALL	PROJECT	1
TOTAL			1

WATER

CATEGORY	STAGE	LOCATION	624.0100 MGAL
0010	ALL	PROJECT-BASE COMPACTION	1,400
		PROJECT-COMMON EXCAVATION	--
TOTAL			1,400

MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT)

CATEGORY	STAGE	LOCATION	618.0100 EACH
0010	ALL	PROJECT	1
TOTAL			1

UTILITY LINE OPENING

CATEGORY	STAGE	LOCATION	SPV.0060.001 EACH
0010	ALL	PROJECT	25
TOTAL			25

BACKFILL SLURRY

CATEGORY	STAGE	LOCATION	SPV.0035.001 BACKFILL SLURRY CY	COMMENTS
0010	ALL	PROJECT	50	USE AT STORM SEWER INSTALLATIONS ADJACENT TO THE FOLLOWING: PAVEMENTS CARRYING TRAFFIC, NEWLY CONSTRUCTED PAVEMENTS, NEW TRAFFIC SIGNAL BASES.
TOTALS			50	

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

CATEGORY	LOCATION	STATION	TO	STATION	OFFSET	205.0501.S EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL TON
0010	STH 31	198+50	-	199+00	LT&RT	757
	STH 31	199+00	-	200+94.93	LT	56
TOTALS						813

SAWING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	1							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+41	RT	2,440	2,640
		STH 31 - 21ST ST TO STA 159+75	148+41	-	159+75	RT	220	1,740
SUBTOTALS							2,660	4,380
	2							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+38	RT	260	--
		STH 31 - 21ST ST TO STA 159+75	148+38	-	159+75	RT	50	120
SUBTOTALS							310	120
	3							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	40	--
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	--	--
SUBTOTALS							40	--
	4							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+13	LT	350	90
		STH 31 - 21ST ST TO STA 159+75	148+13	-	159+75	LT	100	140
SUBTOTALS							450	230
	5							
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+77	RT&LT	10	--
		STH 31 - 21ST ST TO STA 159+75	148+77	-	159+75	RT&LT	--	--
SUBTOTALS							10	--
	6							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+61	RT	1,160	1,710
		STH 31 - 16TH ST TO STH 20	175+61	-	200+95	RT	530	3,840
SUBTOTALS							1,690	5,550
	7							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+93	RT	30	80
		STH 31 - 16TH ST TO STH 20	175+93	-	200+95	RT	400	90
SUBTOTALS							430	170
	8							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	--	--
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	40	--
SUBTOTALS							40	--
	9							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	175+43	LT	80	40
		STH 31 - 16TH ST TO STH 20	175+43	-	200+95	LT	330	140
SUBTOTALS							410	180
	10							
		STH 31 - STA 159+75 TO 16TH ST	159+75	-	176+21	RT&LT	--	--
		STH 31 - 16TH ST TO STH 20	176+21	-	200+95	RT&LT	10	--
SUBTOTALS							10	--
TOTALS							6,050	10,630

ADJUSTING & RECONSTRUCTING SANITARY MANHOLES

CATEGORY	STATION	OFFSET	SPV.0060.100 ADJUSTING SANITARY MANHOLES EACH	SPV.0060.101 RECONSTRUCTING SANITARY MANHOLES EACH	ANTICIPATED WORK - FOR INFORMATION ONLY: RISER HEIGHT	ADJUSTMENT RINGS	SEAL	COVERS & CASTINGS
0020	153+00	LT	--	1	16"	INSTALL NEW RINGS	INSTALL	RE-USE COVER & CASTING
	154+75	LT	1	--	--	REUSE EXISTING RINGS	INSTALL	REPLACE COVER & CASTING
	156+50	LT	1	--	--	REUSE EXISTING RINGS	INSTALL	RE-USE COVER & CASTING
	156+60	LT	1	--	--	INSTALL NEW RINGS	INSTALL	RE-USE COVER & CASTING
	157+75	RT	--	1	16"	INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	158+00	LT	1	--	--	REUSE EXISTING RINGS	INSTALL	REPLACE COVER & CASTING
	161+25	RT	--	1	28"	INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	163+80	RT	--	1	32"	INSTALL NEW RINGS	INSTALL	RE-USE COVER & CASTING
	166+90	RT	1	--	--	REUSE EXISTING RINGS & INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	170+26	RT	--	1	16"	INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	174+26	RT	1	--	--	REUSE EXISTING RINGS	INSTALL	REPLACE COVER & CASTING
	176+25	RT	1	--	--	INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	180+50	RT	1	--	--	INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	184+50	RT	--	1	12"	INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	188+26	RT	--	1	24"	INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	192+40	RT	1	--	--	REUSE EXISTING RINGS	INSTALL	REPLACE COVER & CASTING
	193+50	RT	1	--	--	REUSE EXISTING RINGS	INSTALL	REPLACE COVER & CASTING
	197+40	RT	1	--	--	REUSE EXISTING RINGS & INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
CATEGORY 0020 TOTALS			11	7				
0030	145+50	LT	1	--	--	REUSE EXISTING RINGS & INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	149+00	LT	1	--	--	REUSE EXISTING RINGS & INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	149+00	RT	1	--	--	REUSE EXISTING RINGS & INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
	152+00	LT	1	--	--	REUSE EXISTING RINGS & INSTALL NEW RINGS	INSTALL	REPLACE COVER & CASTING
CATEGORY 0030 TOTALS			4	--				
TOTALS			15	7				

CITY OF RACINE CONDUIT ITEMS

CATEGORY	STATION	OFFSET	TO	STATION	OFFSET	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	653.0135* PULL BOXES STEEL 24X36-INCH EACH
0030	149+40	68' LT	-	149+64	80' RT	160	2
TOTALS						160	2

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVING DRAINAGE ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	ALIGNMENT	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245 REMOVING STORM SEWER (SIZE) LF										204.0250 ABANDONING MANHOLES EACH	204.0260 ABANDONING INLETS EACH	204.0280 SEALING PIPES EACH
										0.012 12-INCH	0.015 15-INCH	0.018 18-INCH	0.021 21-INCH	0.024 24-INCH	0.027 27-INCH	0.030 30-INCH	0.036 36-INCH	0.042 42-INCH	0.048 48-INCH			
0010	2	STH 31	117+57.34	-	203+37.57	RT&LT	STH 31	--	17	558	--	--	32	--	--	--	--	--	--	--	--	--
	3	STH 31	117+57.34	-	203+37.57	RT&LT	STH 31	10	26	482	262	--	14	360	--	34	1,130	510	496	6	2	9
	4	STH 31	117+57.34	-	203+37.57	RT&LT	STH 31	4	26	1,249	274	--	--	46	--	--	--	--	49	--	--	--
	7	STH 31	117+57.34	-	203+37.57	RT&LT	STH 31	3	19	550	442	63	96	98	73	--	8	--	--	--	--	--
	8	STH 31	117+57.34	-	203+37.57	RT&LT	STH 31	5	23	326	474	472	358	610	--	--	--	--	--	--	1	2
	9	STH 31	117+57.34	-	203+37.57	RT&LT	STH 31	1	20	750	12	35	--	--	--	--	--	--	--	--	--	--
TOTALS								23	131	3,915	1,464	570	500	1,114	73	34	1,138	510	545	6	3	11

RECONNECT PRIVATE STORM SEWER LATERALS

CATEGORY	STAGE	STRUCTURE	STATION	ALIGNMENT	SPV.0060.034 RECONNECT PRIVATE STORM SEWER LATERALS EACH	REPLACEMENT LENGTH (FOR INFORMATION ONLY) LF	EXISTING PIPE (FOR INFORMATION ONLY) MATERIAL	SIZE
0010	1-5	2.3A	127+80	STH 31	1	4	CONCRETE	48-INCH
		3.4A	133+60	STH 31	1	8	CONCRETE	12-INCH
		4.3A	138+80	STH 31	1	4	PVC	8-INCH
		4.3A	138+80	STH 31	1	4	CONCRETE	12-INCH
		4.3E	138+80	STH 31	1	4	CONCRETE	21-INCH
		5.1E	141+69	STH 31	1	30	PVC	4-INCH
		6.1A	147+00	STH 31	1	12	PVC	10-INCH
		6.2B	149+19	STH 31	1	4	CONCRETE	15-INCH
		6.5A	151+87	STH 31	1	12	CONCRETE	15-INCH
		7.1A	154+57	STH 31	1	4	CONCRETE	24-INCH
		7.1D	155+06	STH 31	1	4	CONCRETE	8-INCH
		7.3A	156+75	STH 31	1	4	PVC	4-INCH
		8.1F	159+21	STH 31	1	12	CONCRETE	12-INCH
		UNDISTRIBUTED			3	--	--	--
SUBTOTAL					16	106	--	--
	6-10	9.2G	166+15	STH 31	1	12	PVC	12-INCH
		9.3E	168+44	STH 31	1	8	CONCRETE	27-INCH
		11.1A	176+77	STH 31	1	24	PVC	6-INCH
		11.1E	177+26	STH 31	1	30	PVC	8-INCH
		11.2E	177+95	STH 31	1	12	PVC	8-INCH
		11.2A	178+16	STH 31	1	6	PVC	6-INCH
		11.2D	178+25	STH 31	1	4	CONCRETE	36-INCH
		11.3A	180+98	STH 31	1	12	PVC	4-INCH
		13.1G	188+70	STH 31	1	12	PVC	12-INCH
		13.1G	188+77	STH 31	1	12	PVC	12-INCH
		UNDISTRIBUTED			2	--	--	--
SUBTOTAL					12	132	--	--
TOTAL					28	238	--	--

STAGED STORM SEWER COVERS

CATEGORY	STAGE	STATION	OFFSET	ALIGNMENT	RIM ELEVATION	TEMPORARY RIM ELEVATION	204.9060.S.001* REMOVING INLET AND MANHOLE COVERS EACH	611.8120.S* COVER PLATES TEMPORARY EACH	611.971 SALVAGED INLET COVERS EACH	COMMENTS
0010	1			STH 31			34	37	3	EXISTING STUCTURE
SUBTOTAL							34	37	3	--
	3	151+00	0.33' RT	STH 31	724.67	^723.97	1	1	--	EXISTING STRUCTURE
				STH 31			--	83	--	PROPOSED STRUCTURES
SUBTOTAL							1	84	--	
	6			STH 31			24	24	--	EXISTING STRUCTURES
SUBTOTAL							24	24	--	
	8			STH 31			--	54	--	PROPOSED STRUCTURES
SUBTOTAL							--	54	--	
TOTAL							59	199	3	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
^ TEMPORARY RIM ELEVATION 0.5' BELOW TEMPORARY SURFACE

STAGED STORM SEWER ADJUSTMENTS

CATEGORY	STATION	OFFSET	ALIGNMENT	RIM ELEVATION	TEMPORARY RIM ELEVATION** STAGE 1	STAGE 3	STAGE 5	STAGE 6	STAGE 8	204.9060.S.001* REMOVING INLET AND MANHOLE COVERS EACH	611.0420 RECONSTRUCTING MANHOLES EACH	611.0651* INLET COVERS TYPE S EACH	611.8110* ADJUSTING MANHOLE COVERS EACH	611.8115* ADJUSTING INLET COVERS EACH	COMMENTS
0010	125+57	13.2' LT	STH 31	710.59	--	710.61	--	--	--	--	--	1	--	--	2.2F
	125+65	13.1' LT	STH 31	710.41	--	710.44	--	--	--	--	--	1	--	--	2.2B
	128+00	11.8' RT	STH 31	707.37	707.41	--	--	--	--	1	--	1	--	--	EXISTING INLET
	132+39	0.75' LT	STH 31	706.71	706.84	--	--	--	--	--	--	--	1	--	EXISTING MANHOLE
	141+76	13.2' RT	STH 31	714.02	--	714.05	--	--	--	--	--	1	--	--	5.1K
	144+00	11.65' RT	STH 31	717.51	717.52	--	--	--	--	--	--	--	--	1	EXISTING INLET
	151+00	11.69' RT	STH 31	724.49	724.87	--	--	--	--	--	--	--	--	1	EXISTING INLET
	152+08	0.90' RT	STH 31	724.99	--	724.96	--	--	--	--	--	--	1	--	EXISTING MANHOLE
	152+12	11.67' RT	STH 31	725.20	725.43	--	--	--	--	--	--	--	--	1	EXISTING INLET
	154+25	1.0 ' RT	STH 31	726.85	726.14	726.32	--	--	--	--	--	--	2	--	EXISTING MANHOLE
	154+25	12.0' RT	STH 31	726.09	--	726.25	--	--	--	--	--	--	--	1	EXISTING INLET
	155+59	2.1' RT	STH 31	726.69	--	--	--	--	726.60	--	--	--	--	1	TEMPORARY INLET
	155+66	2.1' RT	STH 31	726.69	--	--	--	--	726.60	--	--	--	--	1	TEMPORARY INLET
	156+74	12.5' RT	STH 31	728.32	--	--	--	--	728.38	--	--	1	--	--	7.3B
	156+76	0.35' LT	STH 31	728.18	728.06	--	--	--	--	--	--	--	1	--	EXISTING MANHOLE
	156+76	0.35' LT	STH 31	727.75	728.00	--	--	--	--	--	--	--	--	1	EXISTING INLET
	156+82	12.8' RT	STH 31	728.49	--	--	--	--	728.49	--	--	1	--	--	7.3F
	157+78	13.42' RT	STH 31	730.07	--	730.12	--	--	--	--	--	1	--	--	7.5A
	158+53	5.7' RT	STH 31	731.70	--	--	732.68	--	--	--	--	--	--	--	8.3A
	159+22	0.35' RT	STH 31	734.41	733.98	--	--	--	--	--	--	--	1	--	EXISTING MANHOLE
	159+22	11.81' RT	STH 31	733.38	--	733.72	--	--	--	1	--	1	--	--	EXISTING INLET
	159+22	1.5' RT	STH 31	733.39	--	--	--	--	--	--	--	1	--	--	8.1C
	159+22	11.81' RT	STH 31	733.72	--	--	--	--	--	--	--	1	--	--	8.1D
	159+30	1.58' LT	STH 31	733.55	--	--	--	--	--	--	--	1	--	--	8.1G
	159+72	12.4' RT	STH 31	734.65	--	--	--	--	--	--	--	1	--	--	8.1H
	160+43	9.7' RT	STH 31	735.71	--	735.68	735.67	735.74	--	--	--	1	--	3	TEMPORARY INLET
	161+50	1.41' RT	STH 31	735.97	--	--	--	--	736.13	--	--	1	--	--	EXISTING INLET
	163+28	12' RT	STH 31	735.17	735.25	--	--	--	--	1	--	1	--	--	EXISTING INLET
	163+52	1.30' RT	STH 31	735.28	735.07	--	--	735.07	--	--	--	--	2	--	EXISTING MANHOLE
	166+37	15.7' RT	STH 31	728.45	--	--	--	--	728.30	--	--	--	--	1	EXISTING INLET
	166+37	1.93' RT	STH 31	727.91	727.99	--	--	--	--	1	--	1	--	--	EXISTING INLET
	167+71	3.13' LT	STH 31	727.22	--	--	--	726.61	--	--	--	--	1	--	EXISTING MANHOLE
	168+47	7.18' LT	STH 31	726.08	--	--	--	726.12	--	1	--	1	--	--	EXISTING INLET
	169+96	17.6' LT	STH 31	726.92	--	--	--	--	727.03	--	--	--	--	1	EXISTING INLET
	169+98	6.20' LT	STH 31	727.69	--	--	--	726.71	--	1	--	1	--	--	EXISTING MANHOLE
	175+41	14.89' LT	STH 31	727.98	--	--	--	727.98	--	1	--	1	--	--	EXISTING INLET
	175+41	8.78' LT	STH 31	727.77	--	--	--	727.77	--	1	--	1	--	--	EXISTING INLET
	175+41	1.06' LT	STH 31	728.01	--	--	--	728.06	--	--	--	--	1	--	EXISTING MANHOLE
	176+87	5.97' RT	STH 31	728.36	--	--	--	728.43	--	1	--	1	--	--	EXISTING INLET
	176+87	12.27' RT	STH 31	728.50	--	--	--	728.53	--	1	--	1	--	--	EXISTING INLET
	180+98	6.16' LT	STH 31	731.52	--	--	--	--	731.20	1	--	1	--	--	EXISTING INLET
	180+99	5.60' RT	STH 31	732.47	--	--	--	731.19	--	1	1	1	--	--	EXISTING MANHOLE
	183+02	12.97' RT	STH 31	733.95	--	--	--	--	733.97	--	--	1	--	--	11.4B
TOTAL										12	1	25	10	12	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
**TEMPORARY INLET ELEVATIONS FOR TEMPORARY GRADING AND PAVEMENT SHALL BE CONFIRMED IN THE FIELD
ADJUSTMENT RINGS WITH 2'X2' RECTANGULAR OPENINGS ARE INCIDENTAL TO INLET COVERS TYPE S

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TEMPORARY STORM SEWER STRUCTURE

STAGE	STRUCTURE	STATION	OFFSET*	SPV.0060.032 TEMPORARY INLET EACH	SPV.0060.033 TEMPORARY MANHOLES EACH	611.0651+ INLET COVERS TYPE S EACH	611.8120.S+ COVER PLATES TEMPORARY EACH	650.4000+ CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
1	TS1-1	122+53.93	8.12' RT	1	--	1	--	1	718.73	714.30	3.43
	TS1-2	124+95.14	8.05' RT	1	--	1	--	1	712.00	707.91	3.09
	TS1-3	125+64.92	12.24' LT	1	--	1	--	1	710.46	708.05	2.00
	TS1-4	130+75.34	8.63' RT	1	--	1	--	1	706.30	698.10	7.20
	TS1-5	132+40.16	8.82' RT	1	--	1	--	1	706.75	703.75	2.00
	TS1-6	136+20.30	8.86' RT	1	--	1	--	1	708.71	704.09	3.62
	TS1-7	138+79.74	8.77' RT	1	--	1	--	1	709.76	703.50	5.26
	TS1-8	139+70.11	12.68' LT	1	--	1	--	1	711.00	707.77	2.23
	TS1-9	139+69.37	1.40' LT	--	1	--	1	1	^710.50	702.83	7.67
	TS1-10	141+75.43	11.89' RT	1	--	1	--	1	713.74	710.62	2.12
	TS1-11	147+00.78	8.51' RT	1	--	1	--	1	721.87	716.37	4.50
	TS1-12	150+46.63	8.72' RT	1	--	1	--	1	724.37	721.85	2.00
	TS1-13	150+46.83	0.59' RT	--	1	--	1	1	^724.04	715.82	8.22
	TS1-14	155+14.48	2.64' RT	1	--	1	--	1	726.47	721.67	3.80
	TS1-15	160+43.09	9.69' RT	1	--	1	--	1	735.71	731.57	3.31
SUBTOTAL				13	2	13	2	15			
2	TS2-1	167+59.34	17.20' RT	--	1	--	1	1	^726.39	721.26	5.13
SUBTOTAL				--	1	--	1	1			
3	TS3-1	124+28.15	5.55' LT	1	--	1	--	1	714.37	711.78	2.00
	TS3-2	129+00.95	5.46' LT	1	--	1	--	1	706.92	702.06	3.86
	TS3-3	130+74.78	12.22' LT	1	--	1	--	1	706.39	703.68	2.00
	TS3-4	136+19.93	3.95' LT	1	--	1	--	1	708.53	705.83	2.00
	TS3-5	143+50.79	0.07' RT	--	1	--	1	1	^715.81	708.68	7.13
	TS3-6	144+94.08	5.71' LT	1	--	1	--	1	718.28	714.15	3.14
	TS3-7	150+85.70	6.66' LT	1	--	1	--	1	724.33	721.59	2.00
	TS3-8	150+95.58	7.10' LT	1	--	1	--	1	724.33	719.79	3.54
	TS3-9	151+34.62	0.22' RT	--	1	--	1	1	^715.81	708.68	7.13
	TS3-10	153+19.17	1.36' RT	--	1	--	1	1	^724.99	719.80	5.19
	TS3-11	155+59.18	2.12' LT	1	--	1	--	1	726.69	723.98	2.00
	TS3-12	155+65.91	2.23' LT	1	--	1	--	1	726.69	724.16	2.00
	TS3-13	159+12.96	3.02' RT	1	--	1	--	1	733.52	731.06	2.00
	TS3-14	159+18.27	2.94' RT	1	--	1	--	1	733.62	731.05	2.00
SUBTOTAL				11	3	11	3	14			
6	TS1-16	172+23.02	5.81' RT	1	--	1	--	1	728.64	725.64	2.00
	TS1-17	172+29.78	5.87' RT	1	--	1	--	1	728.64	725.64	2.00
	TS1-18	174+76.90	5.36' RT	1	--	1	--	1	727.84	725.84	2.00
	TS1-19	174+77.14	4.94' LT	--	1	--	1	1	^727.57	725.23	2.34
	TS1-20	179+25.19	11.95' RT	1	--	1	--	1	729.72	726.72	2.00
	TS1-21	179+25.66	23.63' RT	--	1	--	1	1	^729.49	722.31	7.18
	TS1-22	185+22.95	20.45' RT	1	--	1	--	1	733.51	730.00	2.51
	TS1-23	186+46.14	12.94' RT	--	1	--	1	1	^734.73	730.52	4.21
	TS1-26	196+86.68	8.21' RT	1	--	1	--	1	734.52	731.52	2.00
	TS1-27	177+34.21	9.84' RT	1	--	1	--	1	737.50	734.50	2.00
	TS1-26	196+86.82	8.70' RT	1	--	1	--	1	736.55	733.55	2.00
	TS1-27	196+86.82	8.70' RT	1	--	1	--	1	736.55	733.55	2.00
SUBTOTAL				9	3	9	3	12			
8	TS1-15.1	160+33.11	4.98' LT	1	--	1	--	1	734.17	731.17	2.00
	TS1-15.2	160+40.00	5.18' LT	1	--	1	--	1	734.13	731.13	2.00
	TS3-15	162+77.82	4.29' RT	1	--	1	--	1	735.78	733.11	2.00
	TS3-16	168+47.32	7.26' LT	1	--	1	--	1	726.18	723.18	2.00
	TS3-17	168+54.65	7.32' LT	1	--	1	--	1	726.25	723.40	2.00
	TS3-18	176+82.01	9.09' LT	--	1	--	1	1	^728.24	722.42	5.82
	TS3-19	177+36.98	5.68' LT	1	--	1	--	1	728.50	725.83	2.00
	TS3-20	180+37.97	5.95' LT	1	--	1	--	1	730.48	725.48	4.04
	TS3-21	181+58.56	7.98' RT	1	--	1	--	1	732.26	728.97	2.46
	TS3-22	185+97.65	7.00' LT	--	1	--	1	1	^733.91	730.89	3.02
	TS3-23	189+18.31	0.48' LT	1	--	1	--	1	737.57	734.88	2.00
	TS3-24	190+97.52	0.89' LT	1	--	1	--	1	738.45	735.45	2.00
	TS3-25	195+92.10	5.97' LT	1	--	1	--	1	738.32	735.32	2.00
SUBTOTAL				11	2	11	2	13			
TOTAL				44	11	44	11	55			

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
**RIM ELEV IS AT THE INLET COVER FLOW LINE LOCATION
***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT
^DEPTH FOR TEMPORARY MANHOLE = RIM ELEVATION-TOP OF STRUCTURE BASE ELEV, RIM ELEVATION SET 0.5 FT BELOW PAVEMENT
TEMPORARY STORM SEWER ELEVATIONS AND CONNECTIONS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED BY THE FIELD ENGINEER.
+ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TEMPORARY STORM SEWER PIPE

STAGE	FROM	-	TO	520.8000 CONCRETE COLLARS FOR PIPE EACH	SPV.0090.030 TEMPORARY STORM SEWER CONNECTION LF	611.9900.S DRAIN SLOTTED VANE EACH	LENGTH (FOR INFORMATION ONLY) LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
1	TS1-3	-	EXISTING STRUCTURE	--	48	--	--	708.53	708.05	0.010
	TS1-5	-	EXISTING STRUCTURE	--	9	--	--	704.34	704.30	0.003
	TS1-8	-	TS1-9	--	11	--	--	708.35	708.32	0.003
	TS1-10	-	EXISTING STRUCTURE	--	15	--	--	710.79	710.75	0.003
	TS1-12	-	TS1-13	--	8	--	--	721.85	721.82	0.003
	TS1-15	-	EXISTING STRUCTURE	--	121	--	--	731.57	730.96	0.005
	--	-	EXISTING STRUCTURE (STA 166+37, 1.9' LT)	--	--	1	104	--	--	--
SUBTOTAL				--	212	1	--			
2	EXISTING PIPE	-	11.2D	1	40	--	--	722.18	721.89	0.007
	EXISTING PIPE	-	11.2D	1	102	--	--	722.73	721.50	0.012
SUBTOTAL				2	142	--	--			
3	TS3-1	-	2.4A	--	29	--	--	711.94	711.86	0.003
	TS3-3	-	3.1C	--	34	--	--	703.85	703.75	0.003
	TS3-4	-	4.1G	--	35	--	--	706.00	705.90	0.003
	TS3-5	-	5.2A	--	34	--	--	711.61	711.50	0.003
	TS3-7	-	TS3-8	--	10	--	--	721.75	721.72	0.003
	TS3-12	-	TS3-11	--	7	--	--	724.16	724.14	0.003
	TS3-11	-	7.2F	--	25	--	--	724.15	724.08	0.003
	--	-	7.5A	--	--	1	110	--	--	--
	TS3-13	-	TS3-14	--	6	--	--	731.06	731.05	0.003
	TS3-14	-	8.1C	--	7	--	--	731.05	731.04	0.003
	--	-	EXISTING STRUCTURE (STA 161+50, 1.9' RT)	--	--	1	25	--	--	--
	^8.1C	-	EXISTING PIPE	1	8		--	--	--	--
SUBTOTAL				1	195	2	135			
6	TS1-15	-	8.1G*	--	10	--	--	--	--	--
	TS1-16	-	TS1-17	--	7	--	--	726.11	726.1	0.002
	TS1-17	-	TS1-19	--	248	--	--	726.10	725.57	0.002
	TS1-18	-	TS1-19	--	11	--	--	725.26	725.23	0.003
	TS1-19	-	EXISTING STRUCTURE	--	64	--	--	725.50	725.33	0.003
	TS1-20	-	TS1-21	--	12	--	--	727.23	727.20	0.003
	TS1-24	-	TS1-23	--	10	--	--	732.10	732.07	0.003
	TS1-25	-	EXISTING STRUCTURE	--	80			735.03	734.23	0.010
	TS1-26	-	EXISTING STRUCTURE	--	13			734.00	733.96	0.003
SUBTOTAL				--	455	--	--			
8	TS1-15.1	-	TS1-15.2	--	7	--	--	731.67	731.64	0.005
	TS1-15.2	-	TS1-15	--	15	--	--	731.64	731.57	0.005
	TS3-15	-	8.2E	--	40	--	--	733.27	733.16	0.003
	--	-	9.6A	--	--	1	196	--	--	--
	TS3-16	-	TS3-17	--	8	--	--	723.58	723.56	0.003
	TS3-17	-	9.4B	--	16	--	--	723.57	723.52	0.003
	TS3-19	-	11.1G	--	21	--	--	726.12	726.05	0.003
	^11.2B	-	EXISTING PIPE	1	8	--	--	--	--	--
	TS3-18	-	11.1B	--	20	--	--	726.24	726.17	0.003
	TS3-21	-	EXISTING STRUCTURE	--	62	--	--	728.97	728.76	0.003
	TS3-22	-	12.3G	--	20	--	--	730.89	730.83	0.003
	EXISTING PIPE	-	13.1G	1	9	--	--	720.58	720.56	0.002
	TS3-23	-	13.1I	--	15	--	--	735.05	735.00	0.003
	TS3-24	-	13.2C	--	11	--	--	735.72	735.69	0.003
	TS3-25	-	14.1G	--	86	--	--	735.79	733.75	0.024
	EXISTING STRUCTURE	-	14.1G	--	23	--	--	732.08	732.00	0.003
	TS3-10	-	7.4A	--	30	--		721.28	721.18	0.003
SUBTOTAL				2	369	1	196			
TOTAL				5	1,373	4	331			

REMARKS:
^TEMPORARY CONNECT TO BE FIELD FIT, 8-FT CONNECTION ASSUMED
*CONNECT EXISTING TEMPORARY CONNECTION TO PROPOSED STRUCTURE ONCE EXISTING STRUCTURES ARE REMOVED
TEMPORARY STORM SEWER ELEVATIONS AND CONNECTIONS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED BY THE FIELD ENGINEER.

STORM SEWER STRUCTURES

STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624+ INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651+ INLET COVERS TYPE S EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000+ CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
1-5	1.1B	120+87.81	41.06' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	721.78	715.92	4.87
	2.1A	122+57.77	59.86' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	717.93	712.61	4.32
	2.1B	122+57.88	5.48' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	718.27	711.97	5.30
	2.1C	122+57.92	12.46' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	718.71	712.09	5.78
	2.1D	122+57.86	41.01' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	718.65	709.16	8.50
	2.1E	122+57.92	50.45' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	718.45	711.92	5.69
	2.2A	125+48.99	52.55' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	710.52	705.76	3.76
	2.2B	125+64.89	13.15' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.41	705.56	3.78
	2.2C	125+64.95	6.73' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.14	705.13	4.10
	2.2D	125+48.92	40.92' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	711.00	703.94	6.07
	2.2E	125+48.89	50.45' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	710.83	705.12	4.71
	2.2F	125+56.94	13.25' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.59	705.71	3.97
	2.2G	125+48.89	13.26' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.78	705.38	4.31
	2.2H	125+56.94	6.74' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.36	704.94	4.34
	2.2I	125+48.94	6.75' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.55	704.92	4.55
	2.2J	126+05.04	4.51' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	709.43	705.08	3.26
	2.2K	126+00.33	55.84' RT	STH 31	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	1	709.57	705.60	2.98
	2.3B	128+00.13	2.59' LT	STH 31	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	707.62	695.95	10.84
	2.3C	127+99.90	13.53' RT	STH 31	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	707.83	696.15	10.86
	2.3D	127+91.91	13.24' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	707.86	703.49	3.45
	2.3E	128+00.44	40.97' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	707.37	696.04	10.08
	2.3F	128+00.36	50.47' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.97	699.50	6.63
	2.3G	127+17.10	6.77' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.12	703.79	3.25
	2.3H	127+17.05	13.23' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.25	703.85	3.32
	2.4A	124+00.08	4.15' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	714.93	710.54	3.47
	2.4B	123+99.93	2.51' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	715.42	710.50	4.00
	2.4C	123+99.07	40.97' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	715.52	706.41	8.12
	3.1A	130+42.28	50.54' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.20	701.50	3.70
	3.1AA	130+34.35	50.53' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.24	701.73	3.68
	3.1B	130+42.40	10.85' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.56	701.12	4.35
	3.1C	130+42.41	2.30' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.29	701.05	4.15
	3.1D	130+42.25	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	706.51	697.65	8.04
	3.1E	130+42.24	50.45' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.30	700.91	4.56
	3.1F	130+34.31	50.48' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.33	700.96	4.54
	3.2A	131+00.00	51.00' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.01	701.31	3.70
	3.2B	130+99.98	13.26' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.41	700.95	4.37
	3.2C	130+99.97	6.78' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.01	700.92	4.00
	3.2D	131+00.00	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	706.32	697.90	7.59
	3.2E	131+00.00	50.49' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.11	700.52	4.59
	3.3A	131+58.07	50.55' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.20	701.56	3.64
	3.3AA	131+66.06	50.52' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.23	701.81	3.59
	3.3B	131+57.90	13.00' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.60	701.24	4.28
	3.3C	131+57.87	7.00' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.20	701.38	3.90
	3.3D	131+57.67	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	706.50	698.16	7.52
	3.3E	131+57.58	50.45' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.29	700.79	4.50
	3.3F	131+65.66	50.53' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.33	701.01	4.48
	3.4A	133+59.84	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	707.50	698.96	7.71
	3.4B	134+13.16	6.77' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	707.79	703.41	3.29
	3.4C	134+13.15	13.22' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	707.87	703.34	3.44
	3.5A	129+01.08	50.53' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.90	702.32	3.58
	3.5B	129+00.25	6.73' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.91	701.76	4.06
	3.5BB	128+93.18	6.70' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.95	701.98	4.05
	3.5C	129+01.03	13.23' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	707.30	701.71	4.51
	3.5CC	128+93.06	13.24' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	707.35	701.94	4.49
	3.5D	129+01.05	41.65' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	707.18	697.10	9.25
	3.6A	132+99.80	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.92	702.52	3.40
	3.6B	132+99.94	13.31' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	707.31	702.17	4.06
	3.6C	132+99.93	6.77' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	706.91	702.29	3.70
	3.6D	133+00.00	0	STH 31	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	707.06	698.39	7.43
	3.6E	133+00.22	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	707.21	698.76	7.63
	3.6F	133+00.30	50.49' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	707.01	701.97	4.21
	3.6G	133+08.28	50.47' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	707.04	702.03	4.17
	3.7A	128+50.02	41.30' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	707.11	696.92	9.37
	3.7B	128+49.91	50.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.74	702.81	2.93
	3.7C	128+41.92	50.48' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	706.78	703.03	2.92

STORM SEWER STRUCTURES

STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624+ INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651+ INLET COVERS TYPE S EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000+ CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
	4.1A	135+89.07	50.51' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	708.43	703.92	3.51
	4.1B	135+73.12	6.82' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.44	703.59	3.93
	4.1C	135+72.98	13.24' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.65	703.52	4.21
	4.1D	135+89.00	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	708.63	699.65	8.15
	4.1E	135+73.02	50.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	708.36	703.38	4.15
	4.1F	135+81.11	6.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.42	703.41	3.93
	4.1G	135+89.08	6.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.40	703.53	3.95
	4.1H	135+80.99	13.24' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.70	703.33	4.28
	4.1I	135+89.00	13.28' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.74	703.30	4.35
	4.1J	135+36.61	54.01' RT	STH 31	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	1	708.02	703.71	3.48
	4.1K	135+26.04	6.08' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.40	703.73	3.75
	4.2A	137+64.10	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	709.22	705.05	3.16
	4.2B	137+64.00	6.76' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	709.23	704.64	3.68
	4.2C	137+64.02	13.71' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	709.59	704.40	4.10
	4.2D	137+64.10	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	709.50	700.79	7.85
	4.2E	137+64.11	50.53' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	709.29	704.41	3.88
	4.3A	138+79.76	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	709.89	703.90	4.98
	4.3B	138+79.72	12.51' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.20	703.75	5.58
	4.3C	138+79.71	1.01' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.05	703.67	5.50
	4.3CC	138+87.55	2.32' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	710.09	703.72	5.45
	4.3D	138+79.71	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	710.09	701.30	7.93
	4.3E	138+79.77	50.57' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	709.94	703.73	5.37
	4.4A	136+80.66	50.53' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	708.81	704.64	3.18
	4.4B	136+80.64	6.73' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	708.78	704.06	3.64
	4.4C	136+80.62	13.21' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	709.18	703.99	4.10
	4.4D	136+80.66	40.49' RT	STH 31	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	709.09	699.93	8.34
	4.4E	136+80.51	50.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	708.88	703.78	4.10
	5.1A	141+68.45	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	714.12	709.78	3.50
	5.1B	141+68.40	6.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	714.11	709.09	4.10
	5.1C	141+68.52	12.82' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	713.99	708.85	4.06
	5.1D	141+84.13	40.65' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	714.05	706.10	7.04
	5.1E	141+68.61	50.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	713.64	709.14	3.66
	5.1F	141+76.37	50.49' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	714.26	709.70	3.72
	5.1G	141+84.34	50.42' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	714.43	709.12	4.52
	5.1H	141+76.30	6.74' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	714.23	709.06	4.26
	5.1I	141+84.30	6.73' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	714.38	708.57	4.93
	5.1J	141+92.28	6.73' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	714.52	708.94	4.50
	5.1K	141+76.29	13.23' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	714.02	708.99	4.11
	5.1L	141+84.28	13.30' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	714.14	708.53	4.73
	5.1M	141+76.37	50.48' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	713.74	708.96	3.77
	5.1N	141+84.27	50.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	713.86	708.70	4.15
	5.1O	141+40.29	6.21' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	713.82	709.04	3.70
	5.2A	143+18.14	6.74' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	716.77	711.49	4.36
	5.2B	143+18.06	13.27' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	716.04	711.44	3.68
	5.2C	143+18.10	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	716.03	708.64	6.48
	5.3A	144+94.09	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	719.59	714.53	4.06
	5.3B	144+94.07	13.26' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	719.89	714.16	4.65
	5.3C	144+94.05	13.25' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	718.66	713.93	3.65
	5.3CC	145+01.99	12.79' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	718.78	714.17	3.70
	5.3D	144+94.07	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	718.68	711.66	6.11
	5.3E	144+94.07	50.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	718.52	713.92	3.76
	5.4A	141+06.40	89.17' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	713.87	708.56	4.48
	5.4B	141+06.01	96.55' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	713.96	708.35	4.61
	5.4C	140+42.35	74.47' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	712.79	707.88	4.08
	5.4D	139+96.83	50.49' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	711.41	707.11	3.30
	5.4E	139+98.35	6.71' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	711.25	706.69	3.48
	5.4EE	140+06.26	6.70' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	711.34	706.93	3.50
	5.4F	139+98.32	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	711.56	703.53	7.12
	5.4G	139+98.35	50.53' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	711.47	706.51	4.12
	5.4H	140+54.27	68.80' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	712.32	708.13	3.35
	5.4J	141+28.45	68.08' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	713.07	708.68	3.39
	5.4K	140+01.80	6.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	711.40	706.74	3.74
	5.4L	140+01.80	13.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	711.52	706.52	3.91
	6.1A	147+00.49	51.00' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	722.46	717.04	4.63
	6.1B	147+00.75	13.17' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	722.66	716.62	5.16

STORM SEWER STRUCTURES

STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624+ INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651+ INLET COVERS TYPE S EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000+ CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
	6.1C	147+00.81	6.74' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	721.56	716.37	4.10
	6.1CC	147+08.84	6.70' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	721.71	717.16	3.63
	6.1D	147+00.42	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	721.85	714.56	6.38
	6.2A	148+49.84	79.42' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.42	720.24	3.35
	6.2B	149+19.43	78.82' LT	STH 31	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	724.60	719.55	3.97
	6.2C	149+24.01	80.69' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.56	719.73	4.00
	6.2D	149+22.30	1.30' RT	STH 31	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	724.79	718.77	4.95
	6.2E	149+23.71	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	724.82	716.41	7.50
	6.3A	150+30.91	50.49' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.40	719.87	3.70
	6.3B	150+30.93	6.82' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.46	719.30	4.24
	6.3C	150+30.92	13.34' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.88	719.08	4.71
	6.3D	150+30.92	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	724.78	717.30	6.57
	6.3E	150+30.95	50.53' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.58	718.88	4.70
	6.3F	150+38.95	6.80' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.38	719.37	4.09
	6.3G	150+00.99	13.25' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.94	719.70	4.32
	6.3H	150+00.91	6.72' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.90	719.49	4.33
	6.3I	150+46.83	6.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.35	719.38	4.05
	6.4A	150+95.96	50.52' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.23	719.96	3.43
	6.4B	150+96.22	6.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	724.23	718.82	4.54
	6.4C	150+88.31	13.30' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	724.70	718.52	5.09
	6.4D	150+87.91	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	724.63	717.65	6.07
	6.4E	150+87.88	50.56' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.40	719.75	3.65
	6.5A	151+85.71	48.33' LT	STH 31	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	724.54	720.28	3.26
	6.5B	151+42.47	50.49' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	724.34	719.89	3.69
	6.5D	151+34.57	6.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	724.28	719.04	4.15
	6.5E	151+34.61	13.31' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	724.82	719.27	4.72
	6.5F	151+34.69	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	724.74	718.43	5.36
	6.5G	151+34.75	50.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.53	720.04	3.48
	6.5H	151+42.57	6.83' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.34	720.30	2.95
	6.5I	151+42.66	13.29' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.87	720.41	3.55
	6.5J	151+42.78	50.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	724.57	720.11	3.47
	6.5K	151+50.66	6.83' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	724.37	720.53	2.93
	6.6A	148+00.00	6.75' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	723.46	719.46	3.08
	6.6AA	148+08.00	6.75' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	723.60	719.52	3.16
	6.6B	148+08.32	6.74' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	723.70	719.11	3.50
	6.6C	148+08.58	13.26' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	723.73	719.23	3.58
	6.6D	148+00.68	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	723.69	715.05	7.40
	6.6E	148+50.61	52.57' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	723.86	719.51	3.52
	7.1A	154+57.23	81.10' LT	STH 31	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	726.48	721.51	3.98
	7.1B	154+64.19	75.81' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	725.92	721.60	3.57
	7.1C	154+98.58	75.19' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	726.12	722.26	3.12
	7.1D	155+06.17	80.12' LT	STH 31	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	726.63	720.77	4.62
	7.2A	155+29.13	50.51' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	726.42	722.21	3.38
	7.2B	155+29.34	12.90' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	726.69	721.67	4.02
	7.2C	155+29.47	13.00' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	726.66	721.57	4.26
	7.2D	155+29.61	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	726.47	720.72	4.75
	7.2E	155+21.65	50.52' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	726.24	721.39	4.02
	7.2F	155+37.33	13.02' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	726.78	721.70	4.07
	7.2G	155+37.47	13.00' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	726.74	721.60	4.30
	7.3A	156+74.56	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.07	723.42	3.81
	7.3B	156+74.48	12.51' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.32	722.88	4.44
	7.3C	156+74.48	1.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	727.95	722.76	4.19
	7.3D	156+74.48	41.31' RT	STH 31	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	727.70	721.29	5.17
	7.3E	156+74.49	50.53' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	727.38	722.47	3.91
	7.3F	156+82.38	12.57' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.49	722.92	4.57
	7.3G	156+82.47	1.47' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.06	722.81	4.25
	7.4A	152+90.28	4.98' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	725.10	720.76	3.34
	7.4B	152+82.25	5.95' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	725.05	720.71	3.34
	7.4C	152+82.58	13.24' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	725.50	720.83	3.75
	7.4D	152+83.72	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	725.44	719.60	4.85
	7.4E	152+83.81	50.77' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	725.24	720.49	3.75
	7.5A	157+78.00	13.20' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	730.07	725.33	3.66
	7.5B	157+68.14	41.16' RT	STH 31	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	729.79	723.90	4.86
	7.6A	157+82.60	74.01' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	730.22	727.00	2.43
	8.1A	159+10.18	64.03' LT	STH 31	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	1	733.58	728.18	5.61

STORM SEWER STRUCTURES

STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624+ INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651+ INLET COVERS TYPE S EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000+ CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
	8.1B	159+23.50	50.52' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.40	728.00	4.61
	8.1C	159+22.42	1.52' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.39	727.51	5.09
	8.1D	159+22.14	12.00' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.65	727.16	5.48
	8.1E	159+21.56	40.93' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	734.29	726.53	6.72
	8.1F	159+21.39	50.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	734.50	727.54	5.96
	8.1G	159+30.43	1.63' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.55	728.04	4.68
	8.1H	159+71.93	12.38' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	734.65	728.20	5.45
	8.1I	159+65.07	50.48' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	735.38	730.03	4.34
SUBTOTAL					8	31	82	2	1	--	79	1	6	15	5	10	2	75	23	65	1	203			
6-10	8.2A	162+49.91	50.04' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	735.12	731.25	2.87
	8.2B	162+63.57	50.05' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	735.15	731.31	3.01
	8.2C	162+55.40	13.00' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	735.36	730.85	3.52
	8.2D	162+63.42	13.06' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	735.26	730.97	3.46
	8.2E	162+39.53	13.07' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	736.03	730.49	4.55
	8.2F	162+68.55	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	736.47	730.18	5.30
	8.2G	162+62.85	76.40' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	737.24	730.73	5.68
	8.3A	158+52.73	5.71' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	731.70	727.60	3.27
	8.3B	158+57.32	40.54' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	732.63	725.35	6.25
	9.1A	164+07.00	2.00' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	732.80	729.69	2.27
	9.1B	164+07.05	40.87' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	733.73	726.68	5.82
	9.1C	163+49.56	53.06' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	734.68	730.48	3.37
	9.1D	164+28.99	50.52' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	733.04	730.03	2.01
	9.2A	166+14.54	50.48' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.57	723.77	3.97
	9.2B	166+22.69	50.54' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.45	723.47	3.98
	9.2C	166+22.58	13.00' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	728.41	723.28	4.29
	9.2D	166+32.61	7.07' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	728.44	723.20	4.40
	9.2E	166+22.58	40.03' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	728.60	722.47	4.89
	9.2F	166+22.53	50.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	728.38	723.43	4.12
	9.2G	166+14.80	50.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.56	723.42	4.28
	9.2H	166+06.53	50.48' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.74	723.79	4.11
	9.3A	166+81.13	75.40' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	727.04	722.95	3.26
	9.3C	167+20.54	39.85' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	727.21	721.16	5.10
	9.3D	167+78.03	6.35' RT	STH 31	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	727.14	721.35	4.84
	9.3F	167+31.33	13.23' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	726.95	723.17	2.70
	9.4B	168+69.74	1.52' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	726.02	722.98	2.04
	9.4C	168+24.99	12.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	726.52	722.84	2.90
	9.4D	168+25.30	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	726.49	722.03	3.47
	9.4E	168+25.28	50.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	726.27	723.17	2.26
	9.5A	168+89.59	50.53' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	725.92	723.50	1.58
	9.5B	168+89.44	1.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	726.00	722.70	2.30
	9.5C	168+89.49	12.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	726.76	722.87	3.09
	9.5D	168+89.61	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	726.72	722.29	3.44
	9.5E	168+89.54	50.47' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	726.50	723.39	2.28
	9.6A	164+87.13	13.00' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	731.76	727.92	2.84
	9.6B	164+87.16	40.56' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	731.71	725.35	5.37
	10.1A	169+77.90	12.98' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	726.66	723.46	2.37
	10.1B	169+77.79	7.93' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	727.37	723.40	3.15
	10.1C	169+77.67	40.30' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	727.39	722.73	3.67
	10.2A	171+73.31	51.00' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.39	724.02	3.36
	10.2B	171+38.31	13.22' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.32	724.03	3.37
	10.2C	171+38.34	10.03' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.65	723.96	3.77
	10.2D	171+38.35	40.54' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	728.63	723.48	4.15
	10.3A	172+38.50	6.80' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.77	724.55	3.30
	10.3B	172+38.42	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	729.06	723.75	4.07
	10.4A	174+66.34	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.15	723.93	3.22
	10.4B	174+66.40	13.24' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	728.44	723.73	3.63
	10.4C	174+66.32	6.73' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	728.06	723.90	3.29
	10.4CC	174+58.38	6.75' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.12	724.49	2.71
	10.4CCC	174+50.39	6.69' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.17	724.56	2.68
	10.4D	174+66.35	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	728.36	723.15	4.19
	10.4E	174+66.40	50.57' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.16	724.28	3.05
	10.5A	175+40.96	12.71' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	728.14	723.06	4.00
	10.5B	175+40.98	6.78' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	727.86	723.05	3.72
	10.5C	175+40.97	6.78' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	727.99	723.10	4.02

STORM SEWER STRUCTURES

STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624+ INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651+ INLET COVERS TYPE S EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000+ CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
	10.5D	175+41.02	13.24' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	728.26	723.01	4.38
	10.5E	175+40.97	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	728.17	722.24	4.90
	10.5F	175+40.96	50.50' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	727.86	722.67	4.19
	10.5G	176+14.00	0	STH 31	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--	1	728.23	723.99	3.40
	10.5H	175+80.00	0	STH 31	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--	1	728.06	723.63	3.59
	10.5I	175+46.99	6.79' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	727.83	723.30	3.62
	10.6A	176+03.53	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	728.34	721.47	5.84
	10.6B	176+17.38	81.11' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	727.99	722.23	4.92
	11.1A	176+56.96	48.14' LT	STH 31	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	729.16	724.53	3.80
	11.1B	176+88.80	6.69' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.59	723.86	3.81
	11.1C	177+04.69	13.23' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.74	723.58	4.25
	11.1D	177+12.68	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	728.71	719.66	8.06
	11.1E	177+25.54	50.55' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.49	723.37	4.29
	11.1F	177+12.70	6.73' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.57	723.44	4.04
	11.1G	177+20.70	6.72' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.55	723.66	3.98
	11.1H	177+12.70	13.28' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.78	723.53	4.34
	11.1I	176+61.06	6.69' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.44	723.99	3.37
	11.1J	176+72.92	13.23' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	728.61	724.32	3.38
	11.1K	176+60.85	13.29' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	728.55	724.20	3.43
	11.2A	178+16.48	50.56' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.69	723.60	4.34
	11.2AA	179+24.67	50.47' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	729.41	725.68	2.90
	11.2AAA	179+32.66	50.45' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	729.47	725.76	2.88
	11.2B	178+21.67	6.18' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	728.79	723.03	4.94
	11.2C	178+22.09	13.25' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	729.23	722.70	5.44
	11.2D	178+24.89	40.50' RT	STH 31	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	729.14	717.23	11.00
	11.2E	177+94.89	50.49' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	728.81	723.97	4.01
	11.2F	178+29.60	5.45' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	728.85	724.11	3.75
	11.2G	178+30.12	13.26' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	729.27	724.11	4.08
	11.2H	178+38.12	13.01' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	729.30	724.29	4.18
	11.3A	180+97.57	50.44' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	731.21	726.81	3.57
	11.3AA	181+05.55	50.54' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	731.33	726.88	3.62
	11.3B	180+37.94	13.06' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	730.72	725.96	3.76
	11.3C	180+38.01	13.00' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	730.82	725.92	4.07
	11.3D	180+38.01	40.88' RT	STH 31	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	730.77	720.00	9.53
	11.3E	180+37.91	50.51' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	730.46	725.57	3.89
	11.3F	180+48.01	13.00' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	730.88	726.24	3.81
	11.3G	180+48.01	13.00' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	730.97	725.96	4.18
	11.4A	183+21.99	13.22' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	734.33	726.94	6.31
	11.4B	183+02.24	13.19' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	733.95	726.59	6.28
	11.4C	183+02.27	40.56' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	733.85	722.87	9.99
	11.5A	182+08.91	50.48' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.36	727.24	5.29
	11.5B	182+08.90	13.04' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.24	726.87	5.54
	11.5C	182+08.96	40.67' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	732.87	722.33	9.55
	12.1A	184+61.54	49.25' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.90	729.39	3.67
	12.1B	184+61.59	11.99' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	734.20	728.84	4.28
	12.1C	184+61.52	1.44' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	733.71	728.74	3.88
	12.1D	184+61.59	43.83' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	733.94	725.25	7.70
	12.1E	184+61.66	53.85' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.63	728.41	4.22
	12.1F	184+53.47	53.69' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.92	728.68	4.40
	12.2A	185+22.99	48.54' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.65	729.15	3.66
	12.2B	185+23.11	11.25' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	733.95	728.58	4.28
	12.2C	185+23.02	3.75' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	733.47	728.54	3.84
	12.2D	185+22.99	45.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	733.89	725.92	6.98
	12.2E	185+00.99	55.18' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.55	729.68	3.04
	12.3A	185+69.98	48.52' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.80	729.18	3.62
	12.3B	185+69.98	11.23' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	734.14	728.78	4.28
	12.3C	185+70.03	3.74' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	733.78	728.91	3.96
	12.3D	185+69.98	45.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	734.10	726.45	6.66
	12.3E	185+69.99	55.53' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	733.79	728.35	4.44
	12.3F	185+78.11	11.26' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	734.17	728.86	4.23
	12.3G	185+78.02	3.69' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	733.81	728.86	3.87
	12.4A	186+56.03	3.70' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	734.65	730.52	3.21
	12.4B	186+55.81	45.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	735.02	727.40	6.63
	12.5A	187+44.27	3.80' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	736.00	731.80	3.28
	12.5B	187+44.22	9.73' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	736.25	731.50	3.67

STORM SEWER STRUCTURES

STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624+ INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651+ INLET COVERS TYPE S EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000+ CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
	12.5C	187+44.20	18.25' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	736.45	731.42	3.95
	12.5D	187+44.04	45.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	736.23	728.36	6.88
	13.1A	189+03.65	48.49' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	737.48	732.62	3.86
	13.1B	188+95.66	48.42' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	737.44	732.70	3.73
	13.1C	188+78.22	10.70' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	737.41	732.25	4.07
	13.1D	188+95.67	18.27' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.83	732.01	4.74
	13.1E	189+03.65	45.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	737.74	730.07	6.68
	13.1F	189+03.62	55.52' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	737.47	731.96	4.51
	13.1G	188+76.79	56.00' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	737.32	732.24	4.08
	13.1H	189+03.65	10.72' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.49	732.19	4.39
	13.1I	189+11.71	10.73' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.52	732.27	4.33
	13.1J	189+03.68	18.28' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.87	731.93	4.85
	13.1K	189+11.67	18.28' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.91	732.19	4.80
	13.1L	188+51.01	2.78' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.24	732.59	3.57
	13.1M	188+86.22	10.72' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.45	732.36	4.17
	13.2A	191+09.96	48.43' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.80	734.15	3.65
	13.2B	191+01.98	48.46' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.76	734.26	3.67
	13.2C	191+02.03	8.28' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	738.63	733.52	4.11
	13.2D	191+02.02	17.56' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.85	733.42	4.44
	13.2E	191+02.00	45.10' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	738.77	732.30	5.48
	13.2F	191+02.02	55.47' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.57	733.25	4.33
	13.2G	191+10.08	55.38' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.61	733.34	4.26
	13.2H	191+10.05	7.27' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.72	733.79	4.10
	13.2I	191+18.06	6.46' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.78	733.86	4.09
	13.2J	191+10.06	17.46' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.87	733.68	4.36
	13.3A	192+60.64	5.67' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	739.39	735.02	3.37
	13.3B	192+61.47	45.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	739.58	734.11	4.48
	13.4A	190+00.00	10.75' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	737.92	733.70	3.13
	13.4AA	190+08.01	10.66' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	738.01	733.96	3.13
	13.4B	189+99.99	18.28' RT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	738.31	733.62	3.61
	13.4C	190+00.01	45.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	738.25	731.04	6.22
	14.1A	194+77.29	50.55' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	739.62	735.65	3.14
	14.1B	195+79.14	50.46' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	738.37	734.53	2.84
	14.1C	196+61.99	50.50' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	737.09	733.17	3.08
	14.1D	196+70.00	50.47' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	736.94	732.91	3.02
	14.1E	196+78.03	50.54' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	736.79	732.31	3.47
	14.1F	196+77.98	13.27' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	736.81	732.16	3.78
	14.1G	196+77.95	6.74' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	736.47	731.86	3.52
	14.1H	196+77.98	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	736.75	727.75	7.76
	14.1I	196+77.95	50.44' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	736.52	732.21	3.48
	14.1J	196+70.00	50.48' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	736.71	732.29	3.58
	14.1K	196+61.95	50.49' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	736.90	732.37	3.69
	14.1L	194+15.45	12.41' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	740.29	736.34	3.12
	15.1A	199+99.05	50.46' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	731.04	726.33	3.72
	15.1B	200+07.00	50.42' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	730.94	726.25	3.70
	15.1C	200+14.99	50.46' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	730.84	726.32	3.69
	15.1D	200+15.01	13.50' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	731.12	726.68	3.52
	15.1E	200+15.01	6.50' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	730.50	726.70	2.88
	15.1F	200+15.01	45.44' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	729.80	725.32	3.23
	15.1G	200+14.97	58.28' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	729.55	725.62	3.09
	15.1H	200+07.04	57.55' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	729.64	725.68	3.12
	15.1I	199+99.02	57.52' RT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	729.71	725.59	3.12
	15.1J	199+99.01	13.50' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	731.34	726.61	3.64
	15.1L	200+07.01	13.50' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	731.24	726.55	3.61
	15.1M	199+99.01	6.50' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	730.67	726.57	3.01
	15.1N	200+07.01	6.49' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	730.59	726.72	2.96
	15.3A	198+74.56	50.40' LT	STH 31	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	732.82	728.12	3.91
	15.3B	198+74.50	13.29' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	733.08	727.74	4.46
	15.3C	198+74.55	6.68' LT	STH 31	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	732.53	727.66	3.99
	15.3D	198+74.55	40.50' RT	STH 31	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	731.97	725.71	5.01
SUBTOTAL					2	31	86	--	--	2	59	1	26	5	--	--	1	47	36	64	--	179			
TOTAL					10	62	168	2	1	2	138	2	32	20	5	10	3	122	59	129	1	382			

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
**RIM ELEV IS AT THE INLET COVER FLOW LINE LOCATION
***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT
+ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER STRUCTURES

					611.0624+	650.4000+	SPV.0060.030	SPV.0060.031			
STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	INLET COVERS TYPE H EACH	CONSTRUCTION STAKING STORM SEWER EACH	INLETS 6-FT DIAMETER EACH	INLETS 7-FT DIAMETER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
1-5	2.3A	127+79.89	51.00' LT	STH 31	1	1	--	1	707.51	694.95	11.73
	6.5C	151+34.41	50.48' LT	STH 31	1	1	1	--	724.29	719.86	3.85
SUBTOTAL					2	2	1	1			
6-10	9.3B	167+20.54	85.18' RT	STH 31	1	1	1	--	726.29	721.03	4.72
	9.3E	168+44.02	50.51' LT	STH 31	1	1	1	--	725.93	721.60	3.79
SUBTOTAL					2	2	2	--			
TOTAL					4	4	3	1			

REMARKS:
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***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT
+ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING MANHOLES & INLETS

						611.8110	611.8115
CATEGORY	STAGE	STRUCTURE	STATION	OFFSET	ALIGNMENT	ADJUSTING MANHOLE COVERS EACH	ADJUSTING INLET COVERS EACH
0010	1-5	E2.1	126+12	85' RT	STH 31	--	1
		E2.2	126+72	85' RT	STH 31	--	1
		E4.1	134+61	85' RT	STH 31	--	1
		E4.2	135+20	85' RT	STH 31	--	1
SUBTOTAL						--	4
0010	6-10	E8.1	157+83	86' LT	STH 31	--	1
		E8.2	158+18	84' LT	STH 31	--	1
		E8.3	157+99	74' LT	STH 31	1	--
		E15.1	200+38	57' LT	STH 31	--	1
		E15.2A	200+85	61' RT	STH 31	--	1
SUBTOTAL						1	4
TOTAL						1	8

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER PIPES

STAGE	FROM	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
1-5	1.1B	2.1D	STH 31	--	--	170	--	--	--	--	--	--	--	--	--	715.92	709.16	0.0411
	2.1A	2.1B	STH 31	65	--	--	--	--	--	--	--	--	--	--	--	712.78	712.15	0.0100
	2.1B	2.1C	STH 31	7	--	--	--	--	--	--	--	--	--	--	--	712.14	712.11	0.0100
	2.1C	2.1D	STH 31	29	--	--	--	--	--	--	--	--	--	--	--	712.09	711.85	0.0100
	2.1D	2.4C	STH 31	--	--	141	--	--	--	--	--	--	--	--	--	709.16	706.41	0.0200
	2.1E	2.1D	STH 31	9	--	--	--	--	--	--	--	--	--	--	--	711.92	711.86	0.0100
	2.2A	2.2G	STH 31	39	--	--	--	--	--	--	--	--	--	--	--	705.93	705.55	0.0100
	2.2B	2.2F	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	705.72	705.71	0.0030
	2.2C	2.2H	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	705.13	705.11	0.0030
	2.2D	2.3E	STH 31	--	--	252	--	--	--	--	--	--	--	--	--	703.94	698.74	0.0212
	2.2E	2.2D	STH 31	10	--	--	--	--	--	--	--	--	--	--	--	705.29	705.23	0.0100
	2.2F	2.2G	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	705.71	705.70	0.0030
	2.2G	2.2I	STH 31	7	--	--	--	--	--	--	--	--	--	--	--	705.55	705.52	0.0100
	2.2H	2.2I	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	705.10	705.09	0.0030
	2.2I	2.2D	STH 31	48	--	--	--	--	--	--	--	--	--	--	--	705.50	705.06	0.0100
	2.2J	2.2C	STH 31	42	--	--	--	--	--	--	--	--	--	--	--	705.25	705.14	0.0030
	2.2K	2.2E	STH 31	52	--	--	--	--	--	--	--	--	--	--	--	705.76	705.29	0.0100
	2.3B	2.3A	STH 31	--	--	--	--	--	--	52	--	--	--	--	--	695.95	695.41	0.0120
	2.3C	2.3B	STH 31	--	--	--	--	--	--	16	--	--	--	--	--	696.15	696.05	0.0116
	2.3D	2.3C	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	703.49	703.48	0.0030
	2.3E	2.3C	STH 31	--	--	--	--	--	--	27	--	--	--	--	--	696.46	696.23	0.0116
	2.3F	2.3E	STH 31	9	--	--	--	--	--	--	--	--	--	--	--	699.50	699.46	0.0100
	2.3G	2.3B	STH 31	--	--	--	--	--	--	--	83	--	--	--	--	703.95	703.18	0.0100
	2.3H	2.3G	STH 31	--	--	--	--	--	--	--	6	--	--	--	--	704.02	703.99	0.0100
	2.4A	2.4B	STH 31	7	--	--	--	--	--	--	--	--	--	--	--	710.54	710.50	0.0100
	2.4B	2.4C	STH 31	38	--	--	--	--	--	--	--	--	--	--	--	710.50	710.15	0.0100
	2.4C	2.2D	STH 31	--	--	150	--	--	--	--	--	--	--	--	--	706.41	703.94	0.0169
	3.1A	3.1B	STH 31	40	--	--	--	--	--	--	--	--	--	--	--	701.67	701.30	0.0100
	3.1AA	3.1A	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	701.73	701.68	0.0100
	3.1B	3.1C	STH 31	9	--	--	--	--	--	--	--	--	--	--	--	701.29	701.24	0.0100
	3.1C	3.1D	STH 31	43	--	--	--	--	--	--	--	--	--	--	--	701.22	700.85	0.0100
	3.1D	3.5D	STH 31	--	--	--	--	--	--	141	--	--	--	--	--	697.65	697.12	0.0039
	3.1E	3.1D	STH 31	10	--	--	--	--	--	--	--	--	--	--	--	700.91	700.85	0.0100
	3.1F	3.1E	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	700.96	700.91	0.0100
	3.2A	3.2B	STH 31	38	--	--	--	--	--	--	--	--	--	--	--	701.47	701.12	0.0100
	3.2B	3.2C	STH 31	6	--	--	--	--	--	--	--	--	--	--	--	701.12	701.09	0.0100
	3.2C	3.2D	STH 31	47	--	--	--	--	--	--	--	--	--	--	--	701.09	700.67	0.0100
	3.2D	3.1D	STH 31	--	--	--	--	--	--	58	--	--	--	--	--	697.90	697.69	0.0042
	3.2E	3.2D	STH 31	10	--	--	--	--	--	--	--	--	--	--	--	700.69	700.63	0.0100
	3.3A	3.3B	STH 31	38	--	--	--	--	--	--	--	--	--	--	--	701.77	701.40	0.0100
	3.3AA	3.3A	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	701.81	701.73	0.0100
	3.3B	3.3C	STH 31	6	--	--	--	--	--	--	--	--	--	--	--	701.41	701.38	0.0100
	3.3C	3.3D	STH 31	48	--	--	--	--	--	--	--	--	--	--	--	701.38	700.95	0.0100
	3.3D	3.2D	STH 31	--	--	--	--	--	--	58	--	--	--	--	--	698.16	697.95	0.0042
	3.3E	3.3D	STH 31	10	--	--	--	--	--	--	--	--	--	--	--	700.96	700.91	0.0100
	3.3F	3.3E	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	701.01	700.98	0.0077
	3.4A	3.6E	STH 31	--	--	--	--	--	--	60	--	--	--	--	--	698.96	698.79	0.0034
	3.4B	3.4C	STH 31	6	--	--	--	--	--	--	--	--	--	--	--	703.57	703.54	0.0100
	3.4C	3.4A	STH 31	60	--	--	--	--	--	--	--	--	--	--	--	703.51	702.96	0.0100
	3.5A	3.5B	STH 31	57	--	--	--	--	--	--	--	--	--	--	--	702.49	701.94	0.0100
	3.5B	3.5C	STH 31	7	--	--	--	--	--	--	--	--	--	--	--	701.93	701.89	0.0100
	3.5BB	3.5B	STH 31	7	--	--	--	--	--	--	--	--	--	--	--	701.98	701.94	0.0100
	3.5C	3.5D	STH 31	28	--	--	--	--	--	--	--	--	--	--	--	701.88	701.64	0.0100
	3.5CC	3.5C	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	701.94	701.89	0.0100
	3.5D	3.7A	STH 31	--	--	--	--	--	--	51	--	--	--	--	--	697.10	696.95	0.0035
	3.6A	3.6B	STH 31	37	--	--	--	--	--	--	--	--	--	--	--	702.69	702.34	0.0100
	3.6B	3.6C	STH 31	7	--	--	--	--	--	--	--	--	--	--	--	702.34	702.30	0.0100
	3.6C	3.6D	STH 31	7	--	--	--	--	--	--	--	--	--	--	--	702.29	702.28	0.0100
	3.6D	3.6E	STH 31	41	--	--	--	--	--	--	--	--	--	--	--	702.29	701.96	0.0100
	3.6E	3.3D	STH 31	--	--	--	--	--	--	143	--	--	--	--	--	698.76	698.20	0.0041
	3.6F	3.6E	STH 31	10	--	--	--	--	--	--	--	--	--	--	--	701.97	701.91	-0.0100
	3.6G	3.6F	STH 31	8	--	--	--	--	--	--	--	--	--	--	--	702.03	701.98	0.0100
	3.7A	2.3E	STH 31	--	--	--	--	--	--	50	--	--	--	--	--	696.92	696.76	0.0039
	3.7B	3.7A	STH 31	--	--	--	--	--	--	--	9	--	--	--	--	702.98	702.93	0.0100
	3.7C	3.7B	STH 31	--	--	--	--	--	--	--	8	--	--	--	--	703.03	702.98	0.0100

STORM SEWER PIPES

STAGE	FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
	4.1A	-	4.1G	STH 31	--	--	--	--	--	--	--	57	--	--	--	704.09	703.53	0.0100
	4.1B	-	4.1F	STH 31	8	--	--	--	--	--	--	--	--	--	--	703.59	703.58	0.0030
	4.1C	-	4.1H	STH 31	8	--	--	--	--	--	--	--	--	--	--	703.52	703.50	0.0030
	4.1D	-	3.4A	STH 31	--	--	--	--	--	--	229	--	--	--	--	699.65	698.99	0.0030
	4.1E	-	4.1D	STH 31	19	--	--	--	--	--	--	--	--	--	--	703.38	703.21	0.0124
	4.1F	-	4.1G	STH 31	8	--	--	--	--	--	--	--	--	--	--	703.58	703.56	0.0030
	4.1G	-	4.1I	STH 31	7	--	--	--	--	--	--	--	--	--	--	703.55	703.50	0.0100
	4.1H	-	4.1I	STH 31	8	--	--	--	--	--	--	--	--	--	--	703.50	703.49	0.0030
	4.1I	-	4.1D	STH 31	27	--	--	--	--	--	--	--	--	--	--	703.47	703.24	0.0100
	4.1J	-	4.1E	STH 31	37	--	--	--	--	--	--	--	--	--	--	703.71	703.38	0.0100
	4.1K	-	4.1B	STH 31	49	--	--	--	--	--	--	--	--	--	--	703.73	703.60	0.0030
	4.2A	-	4.2B	STH 31	57	--	--	--	--	--	--	--	--	--	--	705.22	704.67	0.0100
	4.2B	-	4.2C	STH 31	7	--	--	--	--	--	--	--	--	--	--	704.64	704.60	0.0100
	4.2C	-	4.2D	STH 31	27	--	--	--	--	--	--	--	--	--	--	704.57	704.35	0.0100
	4.2D	-	4.4D	STH 31	--	--	--	--	--	83	--	--	--	--	--	700.79	700.45	0.0044
	4.2E	-	4.2D	STH 31	10	--	--	--	--	--	--	--	--	--	--	704.58	704.51	0.0100
	4.3A	-	4.3B	STH 31	--	38	--	--	--	--	--	--	--	--	--	704.11	703.75	0.0100
	4.3B	-	4.3C	STH 31	--	11	--	--	--	--	--	--	--	--	--	703.75	703.67	0.0100
	4.3C	-	4.3D	STH 31	--	42	--	--	--	--	--	--	--	--	--	703.67	703.30	0.0100
	4.3CC	-	4.3C	STH 31	8	--	--	--	--	--	--	--	--	--	--	703.72	703.67	0.0100
	4.3D	-	4.2D	STH 31	--	--	--	--	--	115	--	--	--	--	--	701.30	700.82	0.0044
	4.3E	-	4.3D	STH 31	10	--	--	--	--	--	--	--	--	--	--	703.73	703.67	0.0100
	4.4A	-	4.4B	STH 31	57	--	--	--	--	--	--	--	--	--	--	704.80	704.26	0.0100
	4.4B	-	4.4C	STH 31	6	--	--	--	--	--	--	--	--	--	--	704.23	704.19	0.0100
	4.4C	-	4.4D	STH 31	27	--	--	--	--	--	--	--	--	--	--	704.16	703.93	0.0100
	4.4D	-	4.1D	STH 31	--	--	--	--	--	--	91	--	--	--	--	699.93	699.67	0.0030
	4.4E	-	4.4D	STH 31	10	--	--	--	--	--	--	--	--	--	--	703.95	703.88	0.0100
	5.1A	-	5.1F	STH 31	8	--	--	--	--	--	--	--	--	--	--	709.78	709.73	0.0100
	5.1B	-	5.1H	STH 31	8	--	--	--	--	--	--	--	--	--	--	709.09	709.07	0.0030
	5.1C	-	5.1K	STH 31	8	--	--	--	--	--	--	--	--	--	--	709.01	709.00	0.0030
	5.1D	-	5.4F	STH 31	--	--	--	--	185	--	--	--	--	--	--	706.10	703.62	0.0138
	5.1F	-	5.1G	STH 31	8	--	--	--	--	--	--	--	--	--	--	709.70	709.65	0.0100
	5.1G	-	5.1I	STH 31	--	57	--	--	--	--	--	--	--	--	--	709.12	708.57	0.0100
	5.1H	-	5.1I	STH 31	8	--	--	--	--	--	--	--	--	--	--	709.06	709.05	0.0030
	5.1I	-	5.1L	STH 31	--	7	--	--	--	--	--	--	--	--	--	708.58	708.54	0.0100
	5.1J	-	5.1I	STH 31	8	--	--	--	--	--	--	--	--	--	--	709.11	709.06	0.0100
	5.1K	-	5.1L	STH 31	8	--	--	--	--	--	--	--	--	--	--	708.99	708.97	0.0030
	5.1L	-	5.1D	STH 31	--	27	--	--	--	--	--	--	--	--	--	708.53	708.30	0.0100
	5.1M	-	5.1N	STH 31	8	--	--	--	--	--	--	--	--	--	--	709.13	709.11	0.0030
	5.1N	-	5.1D	STH 31	10	--	--	--	--	--	--	--	--	--	--	708.87	708.80	0.0100
	5.1O	-	5.1B	STH 31	31	--	--	--	--	--	--	--	--	--	--	709.21	709.12	0.0030
	5.2A	-	5.2B	STH 31	7	--	--	--	--	--	--	--	--	--	--	711.49	711.45	0.0100
	5.2B	-	5.2C	STH 31	27	--	--	--	--	--	--	--	--	--	--	711.44	711.21	0.0100
	5.2C	-	5.1D	STH 31	--	--	--	--	134	--	--	--	--	--	--	708.64	706.28	0.0184
	5.3A	-	5.3B	STH 31	37	--	--	--	--	--	--	--	--	--	--	714.71	714.36	0.0100
	5.3B	-	5.3C	STH 31	27	--	--	--	--	--	--	--	--	--	--	714.34	714.11	0.0100
	5.3C	-	5.3D	STH 31	27	--	--	--	--	--	--	--	--	--	--	714.10	713.86	0.0100
	5.3CC	-	5.3C	STH 31	8	--	--	--	--	--	--	--	--	--	--	714.17	714.12	0.0100
	5.3D	-	5.2C	STH 31	--	--	--	--	176	--	--	--	--	--	--	711.66	708.73	0.0171
	5.3E	-	5.3D	STH 31	10	--	--	--	--	--	--	--	--	--	--	713.92	713.86	0.0100
	5.4A	-	5.4B	STH 31	7	--	--	--	--	--	--	--	--	--	--	708.56	708.52	0.0100
	5.4B	-	5.4C	STH 31	68	--	--	--	--	--	--	--	--	--	--	708.52	707.88	0.0100
	5.4C	-	5.4D	STH 31	52	--	--	--	--	--	--	--	--	--	--	707.88	707.40	0.0100
	5.4D	-	5.4E	STH 31	44	--	--	--	--	--	--	--	--	--	--	707.28	706.87	0.0100
	5.4E	-	5.4K	STH 31	14	--	--	--	--	--	--	--	--	--	--	706.86	706.75	0.0100
	5.4EE	-	5.4E	STH 31	8	--	--	--	--	--	--	--	--	--	--	706.93	706.88	0.0100
	5.4F	-	4.3D	STH 31	--	--	--	--	118	--	--	--	--	--	--	703.53	701.84	0.0151
	5.4G	-	5.4F	STH 31	10	--	--	--	--	--	--	--	--	--	--	706.51	706.45	0.0100
	5.4H	-	5.4G	STH 31	59	--	--	--	--	--	--	--	--	--	--	708.13	707.92	0.0040
	5.4J	-	5.4H	STH 31	74	--	--	--	--	--	--	--	--	--	--	708.85	708.14	0.0100
	5.4K	-	5.4L	STH 31	7	--	--	--	--	--	--	--	--	--	--	706.74	706.69	0.0100
	5.4L	-	5.4F	STH 31	27	--	--	--	--	--	--	--	--	--	--	706.69	706.45	0.0100
	6.1A	-	6.1B	STH 31	--	38	--	--	--	--	--	--	--	--	--	717.04	716.68	0.0100
	6.1B	-	6.1C	STH 31	--	6	--	--	--	--	--	--	--	--	--	716.62	716.59	0.0100
	6.1C	-	6.1D	STH 31	--	47	--	--	--	--	--	--	--	--	--	716.58	716.14	0.0100

STORM SEWER PIPES

STAGE	FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
	6.1CC	-	6.1C	STH 31	8	--	--	--	--	--	--	--	--	--	--	717.16	717.11	0.0100
	6.1D	-	5.3D	STH 31	--	--	--	--	206	--	--	--	--	--	--	714.56	711.74	0.0141
	6.2A	-	6.2B	STH 31	70	--	--	--	--	--	--	--	--	--	--	720.24	719.55	0.0100
	6.2B	-	6.2D	STH 31	80	--	--	--	--	--	--	--	--	--	--	719.55	718.77	0.0100
	6.2C	-	6.2B	STH 31	5	--	--	--	--	--	--	--	--	--	--	719.73	719.69	0.0100
	6.2D	-	6.2E	STH 31	39	--	--	--	--	--	--	--	--	--	--	718.77	718.43	0.0100
	6.2E	-	6.6D	STH 31	--	--	--	--	123	--	--	--	--	--	--	716.41	715.43	0.0084
	6.3A	-	6.3B	STH 31	57	--	--	--	--	--	--	--	--	--	--	719.87	719.31	0.0100
	6.3B	-	6.3C	STH 31	7	--	--	--	--	--	--	--	--	--	--	719.30	719.27	0.0100
	6.3C	-	6.3D	STH 31	27	--	--	--	--	--	--	--	--	--	--	719.25	719.02	0.0100
	6.3D	-	6.2E	STH 31	--	--	--	--	107	--	--	--	--	--	--	717.30	716.46	0.0083
	6.3E	-	6.3D	STH 31	10	--	--	--	--	--	--	--	--	--	--	719.05	718.98	0.0100
	6.3F	-	6.3B	STH 31	8	--	--	--	--	--	--	--	--	--	--	719.37	719.35	0.0030
	6.3G	-	6.3H	STH 31	7	--	--	--	--	--	--	--	--	--	--	719.70	719.67	0.0100
	6.3H	-	6.3B	STH 31	33	--	--	--	--	--	--	--	--	--	--	719.66	719.36	0.0100
	6.3I	-	6.3F	STH 31	8	--	--	--	--	--	--	--	--	--	--	719.38	719.37	0.0030
	6.4A	-	6.4B	STH 31	57	--	--	--	--	--	--	--	--	--	--	719.96	719.41	0.0100
	6.4B	-	6.4C	STH 31	--	10	--	--	--	--	--	--	--	--	--	718.82	718.75	0.0100
	6.4C	-	6.4D	STH 31	--	27	--	--	--	--	--	--	--	--	--	718.74	718.51	0.0100
	6.4D	-	6.3D	STH 31	--	--	--	--	57	--	--	--	--	--	--	717.65	717.34	0.0061
	6.4E	-	6.4D	STH 31	10	--	--	--	--	--	--	--	--	--	--	719.92	719.85	0.0100
	6.5A	-	6.5B	STH 31	--	--	43	--	--	--	--	--	--	--	--	720.28	719.89	0.0100
	6.5B	-	6.5C	STH 31	--	--	8	--	--	--	--	--	--	--	--	719.89	719.86	0.0100
	6.5C	-	6.5D	STH 31	--	--	57	--	--	--	--	--	--	--	--	719.86	719.31	0.0100
	6.5D	-	6.5E	STH 31	--	--	7	--	--	--	--	--	--	--	--	719.30	719.28	0.0100
	6.5E	-	6.5F	STH 31	--	--	27	--	--	--	--	--	--	--	--	719.27	719.04	0.0100
	6.5F	-	6.4D	STH 31	--	--	--	47	--	--	--	--	--	--	--	718.43	718.21	0.0053
	6.5G	-	6.5F	STH 31	10	--	--	--	--	--	--	--	--	--	--	720.21	720.15	0.0100
	6.5H	-	6.5D	STH 31	8	--	--	--	--	--	--	--	--	--	--	720.47	720.45	0.0030
	6.5I	-	6.5E	STH 31	8	--	--	--	--	--	--	--	--	--	--	720.41	720.39	0.0030
	6.5J	-	6.5G	STH 31	8	--	--	--	--	--	--	--	--	--	--	720.27	720.22	0.0100
	6.5K	-	6.5H	STH 31	8	--	--	--	--	--	--	--	--	--	--	720.53	720.48	0.0100
	6.6A	-	6.6B	STH 31	--	--	--	--	--	--	--	16	--	--	--	719.46	719.33	0.0100
	6.6AA	-	6.6A	STH 31	8	--	--	--	--	--	--	--	--	--	--	719.52	719.47	0.0100
	6.6B	-	6.6C	STH 31	7	--	--	--	--	--	--	--	--	--	--	719.28	719.25	0.0100
	6.6C	-	6.6D	STH 31	28	--	--	--	--	--	--	--	--	--	--	719.23	718.99	0.0100
	6.6D	-	6.1D	STH 31	--	--	--	--	100	--	--	--	--	--	--	715.38	714.60	0.0083
	6.6E	-	6.6D	STH 31	--	--	--	--	--	--	--	51	--	--	--	719.51	719.03	0.0100
	7.1B	-	7.1A	STH 31	--	--	9	--	--	--	--	--	--	--	--	721.60	721.51	0.0215
	7.1C	-	7.1B	STH 31	--	--	35	--	--	--	--	--	--	--	--	722.26	721.60	0.0215
	7.1D	-	7.1C	STH 31	--	--	9	--	--	--	--	--	--	--	--	722.36	722.26	0.0215
	7.2A	-	7.2B	STH 31	38	--	--	--	--	--	--	--	--	--	--	722.21	721.85	0.0100
	7.2B	-	7.2C	STH 31	26	--	--	--	--	--	--	--	--	--	--	721.84	721.60	0.0100
	7.2C	-	7.2D	STH 31	28	--	--	--	--	--	--	--	--	--	--	721.57	721.32	0.0100
	7.2D	-	7.4D	STH 31	--	--	245	--	--	--	--	--	--	--	--	720.72	719.62	0.0046
	7.2E	-	7.2D	STH 31	13	--	--	--	--	--	--	--	--	--	--	721.39	721.30	0.0100
	7.2F	-	7.2B	STH 31	8	--	--	--	--	--	--	--	--	--	--	721.87	721.85	0.0030
	7.2G	-	7.2C	STH 31	8	--	--	--	--	--	--	--	--	--	--	721.60	721.58	0.0030
	7.3A	-	7.3B	STH 31	38	--	--	--	--	--	--	--	--	--	--	723.42	723.06	0.0100
	7.3B	-	7.3C	STH 31	14	--	--	--	--	--	--	--	--	--	--	723.06	722.94	0.0100
	7.3C	-	7.3D	STH 31	40	--	--	--	--	--	--	--	--	--	--	722.95	722.58	0.0100
	7.3D	-	7.2D	STH 31	--	--	145	--	--	--	--	--	--	--	--	721.54	720.73	0.0058
	7.3E	-	7.3D	STH 31	9	--	--	--	--	--	--	--	--	--	--	722.64	722.57	0.0100
	7.3F	-	7.3B	STH 31	8	--	--	--	--	--	--	--	--	--	--	723.09	723.07	0.0030
	7.3G	-	7.3C	STH 31	8	--	--	--	--	--	--	--	--	--	--	722.98	722.96	0.0030
	7.4A	-	7.4B	STH 31	--	--	--	--	--	--	--	8	--	--	--	720.93	720.88	0.0100
	7.4B	-	7.4C	STH 31	--	--	--	--	--	--	--	7	--	--	--	720.88	720.83	0.0100
	7.4C	-	7.4D	STH 31	27	--	--	--	--	--	--	--	--	--	--	720.83	720.60	0.0100
	7.4D	-	6.5F	STH 31	--	--	149	--	--	--	--	--	--	--	--	719.60	718.94	0.0046
	7.4E	-	7.4D	STH 31	10	--	--	--	--	--	--	--	--	--	--	720.65	720.59	0.0100
	7.5A	-	7.5B	STH 31	30	--	--	--	--	--	--	--	--	--	--	725.50	725.22	0.0100
	7.5B	-	7.3D	STH 31	--	93	--	--	--	--	--	--	--	--	--	723.90	722.09	0.0202
	8.1A	-	8.1B	STH 31	--	19	--	--	--	--	--	--	--	--	--	728.18	728.03	0.0100
	8.1B	-	8.1C	STH 31	--	49	--	--	--	--	--	--	--	--	--	728.00	727.53	0.0100
	8.1C	-	8.1D	STH 31	--	14	--	--	--	--	--	--	--	--	--	727.51	727.39	0.0100

STORM SEWER PIPES

STAGE	FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
	8.1D	-	8.1E	STH 31	--	29	--	--	--	--	--	--	--	--	--	727.37	727.11	0.0100
	8.1E	-	8.3B	STH 31	--	65	--	--	--	--	--	--	--	--	--	726.53	725.42	0.0182
	8.1F	-	8.1E	STH 31	10	--	--	--	--	--	--	--	--	--	--	727.71	727.64	0.0100
	8.1F	-	8.1E	STH 31	10	--	--	--	--	--	--	--	--	--	--	727.71	727.64	0.0100
	8.1G	-	8.1C	STH 31	8	--	--	--	--	--	--	--	--	--	--	728.04	728.02	0.0030
	8.1H	-	8.1D	STH 31	50	--	--	--	--	--	--	--	--	--	--	728.37	727.90	0.0100
	8.1I	-	8.1F	STH 31	44	--	--	--	--	--	--	--	--	--	--	730.20	729.77	0.0100
	EX INLET	-	3.4A	STH 31	7	--	--	--	--	--	--	--	--	--	--	703.00	702.97	0.0080
SUBTOTAL					2,975	579	1,447	47	1,206	198	976	245	--	--	--			
6-10	8.2A	-	8.2B	STH 31	--	--	--	--	--	--	--	13	--	--	--	731.42	731.31	0.0100
	8.2B	-	8.2D	STH 31	--	--	--	--	--	--	--	37	--	--	--	731.33	730.99	0.0100
	8.2C	-	8.2D	STH 31	8	--	--	--	--	--	--	--	--	--	--	731.01	730.97	0.0100
	8.2D	-	8.2E	STH 31	35	--	--	--	--	--	--	--	--	--	--	730.97	730.66	0.0100
	8.2E	-	8.2F	STH 31	40	--	--	--	--	--	--	--	--	--	--	730.66	730.30	0.0100
	8.2F	-	9.1B	STH 31	--	--	138	--	--	--	--	--	--	--	--	730.18	726.98	0.0240
	8.2G	-	8.2F	STH 31	36	--	--	--	--	--	--	--	--	--	--	730.73	730.40	0.0100
	8.3A	-	8.3B	STH 31	--	--	--	--	--	--	--	35	--	--	--	727.60	727.29	0.0100
	8.3B	-	7.5B	STH 31	--	89	--	--	--	--	--	--	--	--	--	725.35	723.97	0.0162
	9.1A	-	9.1B	STH 31	--	--	--	--	--	--	--	43	--	--	--	729.69	729.29	0.0100
	9.1B	-	9.6B	STH 31	--	--	80	--	--	--	--	--	--	--	--	726.94	725.43	0.0197
	9.1C	-	9.1A	STH 31	--	--	--	--	--	--	--	77	--	--	--	730.48	729.72	0.0100
	9.1D	-	9.1A	STH 31	--	--	--	--	--	--	--	53	--	--	--	730.19	729.69	0.0100
	9.2A	-	9.2B	STH 31	8	--	--	--	--	--	--	--	--	--	--	723.77	723.76	0.0030
	9.2B	-	9.2C	STH 31	38	--	--	--	--	--	--	--	--	--	--	723.64	723.28	0.0100
	9.2C	-	9.2D	STH 31	12	--	--	--	--	--	--	--	--	--	--	723.28	723.20	0.0100
	9.2D	-	9.2E	STH 31	48	--	--	--	--	--	--	--	--	--	--	723.20	722.76	0.0100
	9.2E	-	9.3C	STH 31	--	--	98	--	--	--	--	--	--	--	--	722.73	721.45	0.0136
	9.2F	-	9.2E	STH 31	10	--	--	--	--	--	--	--	--	--	--	723.43	723.35	0.0100
	9.2H	-	9.2A	STH 31	8	--	--	--	--	--	--	--	--	--	--	723.79	723.78	0.0030
	9.3A	-	9.3B	STH 31	--	--	--	--	--	--	--	41	--	--	--	722.95	722.58	0.0100
	9.3C	-	9.3B	STH 31	--	--	--	--	--	--	--	--	--	--	45	721.16	721.04	0.0030
	9.3D	-	9.3C	STH 31	--	--	--	--	--	--	--	--	--	--	67	721.35	721.16	0.0030
	9.3E	-	9.3D	STH 31	--	--	--	--	--	--	--	--	--	--	87	721.60	721.36	0.0030
	9.3E	-	9.3D	STH 31	--	--	--	--	--	--	--	--	--	--	87	721.60	721.36	0.0030
	9.3F	-	9.3D	STH 31	--	--	--	--	--	--	--	51	--	--	--	723.34	722.87	0.0100
	9.4B	-	9.5B	STH 31	--	--	--	--	--	--	--	20	--	--	--	723.19	722.99	0.0100
	9.4C	-	9.4D	STH 31	--	--	--	--	--	--	--	--	28	--	--	722.84	722.60	0.0100
	9.4D	-	9.3C	STH 31	--	--	--	--	--	--	--	--	--	105	--	722.03	721.43	0.0059
	9.4E	-	9.4D	STH 31	--	--	--	--	--	--	--	10	--	--	--	723.17	723.10	0.0100
	9.5A	-	9.5B	STH 31	--	--	--	--	--	--	--	49	--	--	--	723.50	723.35	0.0030
	9.5B	-	9.5C	STH 31	--	--	--	--	--	--	--	--	14	--	--	722.92	722.89	0.0030
	9.5C	-	9.5D	STH 31	--	--	--	--	--	--	--	--	28	--	--	722.87	722.80	0.0030
	9.5D	-	9.4D	STH 31	--	--	--	--	--	--	--	--	--	64	--	722.29	722.06	0.0038
	9.5E	-	9.5D	STH 31	--	--	--	--	--	--	--	10	--	--	--	723.39	723.32	0.0100
	9.6A	-	9.6B	STH 31	--	--	--	--	--	--	--	28	--	--	--	728.09	727.84	0.0100
	9.6B	-	9.2E	STH 31	--	--	135	--	--	--	--	--	--	--	--	725.35	722.76	0.0197
	10.1A	-	10.1B	STH 31	--	--	--	--	--	--	--	21	--	--	--	723.46	723.40	0.0030
	10.1B	-	10.1C	STH 31	--	--	--	--	--	--	--	32	--	--	--	723.40	723.31	0.0030
	10.1C	-	9.5D	STH 31	--	--	--	--	--	--	--	--	--	88	--	722.73	722.31	0.0050
	10.2A	-	10.2B	STH 31	52	--	--	--	--	--	--	--	--	--	--	724.19	724.04	0.0030
	10.2B	-	10.2C	STH 31	23	--	--	--	--	--	--	--	--	--	--	724.03	723.97	0.0030
	10.2C	-	10.2D	STH 31	31	--	--	--	--	--	--	--	--	--	--	723.96	723.88	0.0030
	10.2D	-	10.1C	STH 31	--	--	--	--	--	--	--	--	--	161	--	723.48	722.75	0.0047
	10.3A	-	10.3B	STH 31	47	--	--	--	--	--	--	--	--	--	--	724.55	724.11	0.0100
	10.3B	-	10.2D	STH 31	--	--	--	--	--	--	--	--	--	100	--	724.00	723.50	0.0051
	10.4A	-	10.4B	STH 31	--	--	--	--	--	--	--	--	37	--	--	724.14	723.96	0.0050
	10.4B	-	10.4C	STH 31	--	--	--	--	--	--	--	--	7	--	--	723.94	723.93	0.0050
	10.4C	-	10.4D	STH 31	--	--	--	--	--	--	--	--	47	--	--	723.90	723.68	0.0050
	10.4CC	-	10.4C	STH 31	8	--	--	--	--	--	--	--	--	--	--	724.49	724.44	0.0100
	10.4CCC	-	10.4CC	STH 31	8	--	--	--	--	--	--	--	--	--	--	724.56	724.52	0.0100
	10.4D	-	10.5E	STH 31	--	74	--	--	--	--	--	--	--	--	--	723.15	722.28	0.0123
	10.4E	-	10.4D	STH 31	--	--	--	--	--	--	--	10	--	--	--	724.28	724.21	0.0100
	10.5A	-	10.5B	STH 31	--	--	--	--	--	--	--	--	6	--	--	723.29	723.27	0.0100
	10.5B	-	10.5C	STH 31	--	--	--	--	--	--	--	--	14	--	--	723.27	723.24	0.0030

STORM SEWER PIPES

STAGE	FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
	10.5C	-	10.5D	STH 31	--	--	--	--	--	--	--	--	6	--	--	723.10	723.07	0.0100
	10.5D	-	10.5E	STH 31	--	27	--	--	--	--	--	--	--	--	--	723.01	722.78	0.0100
	10.5E	-	10.6A	STH 31	--	63	--	--	--	--	--	--	--	--	--	722.24	721.52	0.0122
	10.5F	-	10.5E	STH 31	10	--	--	--	--	--	--	--	--	--	--	722.85	722.78	0.0100
	10.5G	-	10.5H	STH 31	--	--	--	--	--	--	--	34	--	--	--	723.99	723.68	0.0100
	10.5H	-	10.5I	STH 31	34	--	--	--	--	--	--	--	--	--	--	723.63	723.32	0.0100
	10.5I	-	10.5B	STH 31	6	--	--	--	--	--	--	--	--	--	--	723.30	723.27	0.0100
	10.6A	-	11.1D	STH 31	--	108	--	--	--	--	--	--	--	--	--	721.47	720.22	0.0121
	10.6B	-	10.6A	STH 31	43	--	--	--	--	--	--	--	--	--	--	722.23	721.84	0.0100
	11.1B	-	11.1F	STH 31	24	--	--	--	--	--	--	--	--	--	--	723.86	723.65	0.0100
	11.1C	-	11.1H	STH 31	8	--	--	--	--	--	--	--	--	--	--	723.58	723.53	0.0100
	11.1D	-	11.2D	STH 31	--	--	112	--	--	--	--	--	--	--	--	719.66	718.28	0.0130
	11.1E	-	11.1D	STH 31	16	--	--	--	--	--	--	--	--	--	--	723.37	723.25	0.0100
	11.1F	-	11.1H	STH 31	7	--	--	--	--	--	--	--	--	--	--	723.64	723.61	0.0100
	11.1G	-	11.1F	STH 31	8	--	--	--	--	--	--	--	--	--	--	723.66	723.61	0.0100
	11.1H	-	11.1D	STH 31	27	--	--	--	--	--	--	--	--	--	--	723.62	723.37	0.0100
	11.1I	-	11.1B	STH 31	31	--	--	--	--	--	--	--	--	--	--	724.15	723.88	0.0100
	11.1J	-	11.1K	STH 31	12	--	--	--	--	--	--	--	--	--	--	724.32	724.23	0.0100
	11.1K	-	11.1I	STH 31	--	--	--	--	--	--	--	7	--	--	--	724.20	724.16	0.0100
	11.2A	-	11.2B	STH 31	--	--	57	--	--	--	--	--	--	--	--	723.60	723.06	0.0100
	11.2AA	-	11.2A	STH 31	--	--	--	--	--	--	--	108	--	--	--	725.68	724.63	0.0100
	11.2AAA	-	11.2AA	STH 31	--	--	--	--	--	--	--	8	--	--	--	725.76	725.71	0.0100
	11.2B	-	11.2C	STH 31	--	--	7	--	--	--	--	--	--	--	--	723.03	722.99	0.0100
	11.2C	-	11.2D	STH 31	--	--	27	--	--	--	--	--	--	--	--	722.95	722.74	0.0100
	11.2E	-	11.2D	STH 31	32	--	--	--	--	--	--	--	--	--	--	723.97	723.71	0.0100
	11.2F	-	11.2B	STH 31	8	--	--	--	--	--	--	--	--	--	--	724.27	724.25	0.0030
	11.2G	-	11.2C	STH 31	8	--	--	--	--	--	--	--	--	--	--	724.27	724.25	0.0030
	11.2H	-	11.2G	STH 31	8	--	--	--	--	--	--	--	--	--	--	724.29	724.27	0.0030
	11.3A	-	11.3B	STH 31	70	--	--	--	--	--	--	--	--	--	--	726.81	726.14	0.0100
	11.3AA	-	11.3A	STH 31	8	--	--	--	--	--	--	--	--	--	--	726.88	726.83	0.0100
	11.3B	-	11.3C	STH 31	26	--	--	--	--	--	--	--	--	--	--	726.19	725.96	0.0100
	11.3C	-	11.3D	STH 31	28	--	--	--	--	--	--	--	--	--	--	725.92	725.68	0.0100
	11.3D	-	11.2D	STH 31	--	--	213	--	--	--	--	--	--	--	--	720.33	719.25	0.0052
	11.3E	-	11.3D	STH 31	10	--	--	--	--	--	--	--	--	--	--	725.75	725.69	0.0100
	11.3F	-	11.3B	STH 31	10	--	--	--	--	--	--	--	--	--	--	726.24	726.22	0.0030
	11.3G	-	11.3C	STH 31	10	--	--	--	--	--	--	--	--	--	--	725.96	725.94	0.0030
	11.4A	-	11.4B	STH 31	33	--	--	--	--	--	--	--	--	--	--	727.11	726.81	0.0100
	11.4B	-	11.4C	STH 31	27	--	--	--	--	--	--	--	--	--	--	726.76	726.52	0.0100
	11.4C	-	11.5C	STH 31	--	--	93	--	--	--	--	--	--	--	--	722.87	722.35	0.0058
	11.5A	-	11.5B	STH 31	37	--	--	--	--	--	--	--	--	--	--	727.24	726.89	0.0100
	11.5B	-	11.5C	STH 31	54	--	--	--	--	--	--	--	--	--	--	726.87	726.36	0.0100
	11.5C	-	11.3D	STH 31	--	--	171	--	--	--	--	--	--	--	--	722.33	721.36	0.0058
	12.1A	-	12.1B	STH 31	37	--	--	--	--	--	--	--	--	--	--	729.39	729.05	0.0100
	12.1B	-	12.1C	STH 31	11	--	--	--	--	--	--	--	--	--	--	729.02	728.94	0.0100
	12.1C	-	12.1D	STH 31	45	--	--	--	--	--	--	--	--	--	--	728.92	728.51	0.0100
	12.1D	-	11.4C	STH 31	--	--	159	--	--	--	--	--	--	--	--	725.25	724.09	0.0075
	12.1E	-	12.1D	STH 31	10	--	--	--	--	--	--	--	--	--	--	728.58	728.51	0.0100
	12.1F	-	12.1E	STH 31	8	--	--	--	--	--	--	--	--	--	--	728.68	728.63	0.0100
	12.2A	-	12.2B	STH 31	37	--	--	--	--	--	--	--	--	--	--	729.15	728.81	0.0100
	12.2B	-	12.2C	STH 31	8	--	--	--	--	--	--	--	--	--	--	728.76	728.72	0.0100
	12.2C	-	12.2D	STH 31	49	--	--	--	--	--	--	--	--	--	--	728.71	728.25	0.0100
	12.2D	-	12.1D	STH 31	--	--	61	--	--	--	--	--	--	--	--	725.92	725.29	0.0111
	12.2E	-	12.2D	STH 31	--	--	--	--	--	--	--	24	--	--	--	729.68	729.46	0.0100
	12.3A	-	12.3B	STH 31	37	--	--	--	--	--	--	--	--	--	--	729.35	729.00	0.0100
	12.3B	-	12.3C	STH 31	7	--	--	--	--	--	--	--	--	--	--	728.96	728.92	0.0100
	12.3C	-	12.3D	STH 31	49	--	--	--	--	--	--	--	--	--	--	728.91	728.45	0.0100
	12.3D	-	12.2D	STH 31	--	--	47	--	--	--	--	--	--	--	--	726.45	725.97	0.0111
	12.3E	-	12.3D	STH 31	10	--	--	--	--	--	--	--	--	--	--	728.53	728.46	0.0100
	12.3F	-	12.3B	STH 31	8	--	--	--	--	--	--	--	--	--	--	729.02	729.01	0.0030
	12.3G	-	12.3C	STH 31	8	--	--	--	--	--	--	--	--	--	--	729.02	729.01	0.0030
	12.4A	-	12.4B	STH 31	49	--	--	--	--	--	--	--	--	--	--	730.52	730.06	0.0100
	12.4B	-	12.3D	STH 31	--	--	86	--	--	--	--	--	--	--	--	727.40	726.49	0.0111
	12.5A	-	12.5B	STH 31	14	--	--	--	--	--	--	--	--	--	--	731.80	731.69	0.0100
	12.5B	-	12.5C	STH 31	9	--	--	--	--	--	--	--	--	--	--	731.67	731.61	0.0100
	12.5C	-	12.5D	STH 31	27	--	--	--	--	--	--	--	--	--	--	731.58	731.34	0.0100

STORM SEWER PIPES

STAGE	FROM - TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
	12.5D - 12.4B	STH 31	--	--	88	--	--	--	--	--	--	--	--	728.36	727.44	0.0109
	13.1A - 13.1H	STH 31	59	--	--	--	--	--	--	--	--	--	--	732.80	732.21	0.0100
	13.1B - 13.1A	STH 31	8	--	--	--	--	--	--	--	--	--	--	732.87	732.79	0.0100
	13.1C - 13.1M	STH 31	8	--	--	--	--	--	--	--	--	--	--	732.44	732.39	0.0100
	13.1D - 13.1J	STH 31	8	--	--	--	--	--	--	--	--	--	--	732.19	732.14	0.0100
	13.1E - 12.5D	STH 31	--	--	160	--	--	--	--	--	--	--	--	730.07	728.40	0.0107
	13.1F - 13.1E	STH 31	10	--	--	--	--	--	--	--	--	--	--	732.13	732.06	0.0100
	13.1H - 13.1J	STH 31	8	--	--	--	--	--	--	--	--	--	--	732.19	732.14	0.0100
	13.1I - 13.1H	STH 31	8	--	--	--	--	--	--	--	--	--	--	732.27	732.22	0.0100
	13.1J - 13.1E	STH 31	27	--	--	--	--	--	--	--	--	--	--	732.10	731.86	0.0100
	13.1K - 13.1J	STH 31	8	--	--	--	--	--	--	--	--	--	--	732.19	732.14	0.0100
	13.1L - 13.1C	STH 31	30	--	--	--	--	--	--	--	--	--	--	732.75	732.48	0.0100
	13.1M - 13.1H	STH 31	17	--	--	--	--	--	--	--	--	--	--	732.36	732.22	0.0100
	13.2A - 13.2B	STH 31	8	--	--	--	--	--	--	--	--	--	--	734.33	734.28	0.0100
	13.2B - 13.2C	STH 31	57	--	--	--	--	--	--	--	--	--	--	734.26	733.72	0.0100
	13.2C - 13.2D	STH 31	9	--	--	--	--	--	--	--	--	--	--	733.68	733.62	0.0100
	13.2D - 13.2E	STH 31	28	--	--	--	--	--	--	--	--	--	--	733.59	733.35	0.0100
	13.2E - 13.4C	STH 31	--	--	102	--	--	--	--	--	--	--	--	732.30	731.32	0.0100
	13.2F - 13.2E	STH 31	10	--	--	--	--	--	--	--	--	--	--	733.42	733.35	0.0100
	13.2G - 13.2F	STH 31	8	--	--	--	--	--	--	--	--	--	--	733.51	733.46	0.0100
	13.2H - 13.2C	STH 31	8	--	--	--	--	--	--	--	--	--	--	733.79	733.74	0.0100
	13.2I - 13.2H	STH 31	8	--	--	--	--	--	--	--	--	--	--	733.86	733.81	0.0100
	13.2J - 13.2D	STH 31	8	--	--	--	--	--	--	--	--	--	--	733.68	733.63	0.0100
	13.3A - 13.3B	STH 31	--	--	--	--	--	--	--	40	--	--	--	735.19	734.81	0.0100
	13.3B - 13.2E	STH 31	--	--	--	--	--	--	--	--	--	157	--	734.11	732.59	0.0100
	13.4A - 13.4B	STH 31	--	--	--	--	--	--	--	8	--	--	--	733.87	733.82	0.0100
	13.4AA - 13.4A	STH 31	--	--	--	--	--	--	--	8	--	--	--	733.96	733.91	0.0100
	13.4B - 13.4C	STH 31	--	--	--	--	--	--	--	27	--	--	--	733.78	733.55	0.0100
	13.4C - 13.1E	STH 31	--	--	96	--	--	--	--	--	--	--	--	731.04	730.11	0.0100
	14.1A - 14.1B	STH 31	99	--	--	--	--	--	--	--	--	--	--	735.65	734.69	0.0100
	14.1B - 14.1C	STH 31	--	--	--	--	--	--	--	83	--	--	--	734.70	733.87	0.0100
	14.1C - 14.1D	STH 31	--	--	--	--	--	--	--	8	--	--	--	733.17	733.12	0.0100
	14.1D - 14.1E	STH 31	--	--	--	--	--	--	--	8	--	--	--	733.09	733.04	0.0077
	14.1E - 14.1F	STH 31	--	--	--	--	--	--	--	--	37	--	--	732.53	732.18	0.0100
	14.1F - 14.1G	STH 31	--	--	--	--	--	--	--	--	7	--	--	732.16	732.13	0.0100
	14.1G - 14.1H	STH 31	--	--	--	--	--	--	--	--	47	--	--	732.07	731.64	0.0100
	14.1H - 15.3D	STH 31	--	197	--	--	--	--	--	--	--	--	--	727.98	726.05	0.0100
	14.1I - 14.1H	STH 31	--	--	--	--	--	--	--	10	--	--	--	732.21	732.14	0.0100
	14.1J - 14.1I	STH 31	--	--	--	--	--	--	--	8	--	--	--	732.29	732.24	0.0100
	14.1K - 14.1J	STH 31	--	--	--	--	--	--	--	8	--	--	--	732.37	732.32	0.0100
	14.1L - 14.1A	STH 31	73	--	--	--	--	--	--	--	--	--	--	736.34	735.65	0.0100
	15.1A - 15.1B	STH 31	8	--	--	--	--	--	--	--	--	--	--	726.49	726.41	0.0100
	15.1B - 15.1C	STH 31	8	--	--	--	--	--	--	--	--	--	--	726.41	726.33	0.0100
	15.1C - E15.1	STH 31	24	--	--	--	--	--	--	--	--	--	--	726.32	726.06	0.0110
	15.1D - 15.1C	STH 31	37	--	--	--	--	--	--	--	--	--	--	726.68	726.33	0.0100
	15.1E - 15.1D	STH 31	--	--	--	--	--	--	--	7	--	--	--	726.74	726.70	0.0100
	15.1F - E15.2A	STH 31	--	--	--	--	--	--	--	--	72	--	--	725.54	722.83	0.0388
	15.1G - 15.1F	STH 31	13	--	--	--	--	--	--	--	--	--	--	725.62	725.53	0.0100
	15.1H - 15.1G	STH 31	8	--	--	--	--	--	--	--	--	--	--	725.68	725.63	0.0100
	15.1I - 15.1H	STH 31	8	--	--	--	--	--	--	--	--	--	--	725.76	725.71	0.0100
	15.1J - 15.1L	STH 31	--	--	--	--	--	--	--	8	--	--	--	726.78	726.77	0.0030
	15.1L - 15.1D	STH 31	--	--	--	--	--	--	--	8	--	--	--	726.72	726.70	0.0030
	15.1M - 15.1N	STH 31	--	--	--	--	--	--	--	8	--	--	--	726.74	726.72	0.0030
	15.1N - 15.1E	STH 31	--	--	--	--	--	--	--	8	--	--	--	726.72	726.70	0.0030
	15.3A - 15.3B	STH 31	--	--	--	--	--	--	--	--	37	--	--	728.12	727.78	0.0100
	15.3B - 15.3C	STH 31	--	--	--	--	--	--	--	--	7	--	--	727.74	727.72	0.0100
	15.3C - 15.3D	STH 31	--	--	--	--	--	--	--	--	47	--	--	727.66	727.23	0.0100
	15.3D - 15.1F	STH 31	--	--	--	--	--	--	--	--	141	--	--	725.94	725.53	0.0030
	E11.1A - 11.1K	STH 31	--	--	--	--	--	--	--	35	--	--	--	724.53	724.21	0.0100
SUBTOTAL			2,043	558	1,930	--	--	--	--	993	582	675	286			
TOTAL			5,018	1,137	3,377	47	1,206	198	976	1,238	582	675	286			

TYPE II PERMANENT SIGNING REMOVALS

2390-12-70 STH 31

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REMOVING SIGNS TYPE II [EA]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
1R	R4-7	--	1	--	ON SIGNAL POLE
2R	R6-3	--	1	--	ON SIGNAL POLE
3R	R1-1F	--	1	--	ON SIGNAL POLE
4R	R5-1	--	1	1	--
5R	J3-1	WEST STH 11	1	1	--
6R	J4-1	NORTH STH 31	1	1	--
7R	R3-20L	--	1	--	ON LIGHT POLE
8R	J3-1	EAST STH 11	1	--	ON LIGHT POLE
9R	R5-1A	--	1	1	--
10R	D1-65	TIMBER DR	1	--	--
11R	R5-1A	--	1	--	--
12R	R2-1	35 MPH	1	1	--
13R	R3-8LL	--	1	1	--
14R	J2-3	--	1	2	--
15R	D1-65	TIMBER DR	1	--	--
16R	R3-4	--	1	--	ON LIGHT POLE
17R	R7-1D	--	1	1	--
18R	R5-1	--	1	--	--
19R	R7-1D	--	1	--	ON SIGNAL POLE
20R	M1-94H	TIMBER DR	1	--	ON SIGNAL ARM
21R	R1-1F	--	1	--	ON SIGNAL POLE
22R	R1-1F	--	1	--	ON SIGNAL POLE
23R	R4-7	--	1	--	ON SIGNAL POLE
24R	R6-2L	--	1	--	ON SIGNAL POLE
25R	R1-1F	--	1	--	ON SIGNAL POLE
26R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
27R	R1-1F	--	1	--	ON SIGNAL POLE
28R	R4-7	--	1	--	ON SIGNAL POLE
29R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
30R	R6-2L	--	1	--	ON SIGNAL POLE
31R	R1-1F	--	1	--	ON SIGNAL POLE
32R	M1-94H	TIMBER DR	1	--	ON SIGNAL ARM
33R	R4-7	--	1	--	ON SIGNAL POLE

3

SHEET: 1 OF 10

FILE NAME : X:\ML\2022\20220357\2022-0357.01\DESIGN\TRANSPORTATION\SHEETSPLAN\030201_MQ.DWG PLOT DATE : 1/20/2023 1:36 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1:1

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
34R	R1-1F	--	1	--	ON SIGNAL POLE
35R	R1-1F	--	1	--	ON SIGNAL POLE
36R	R5-1	--	1	1	--
37R	R3-4	--	1	--	ON LIGHT POLE
38R	R7-1D	--	1	1	--
39R	R7-1D	--	1	1	--
40R	D1-65	REGENCY WEST DR	1	2	--
41R	R3-20L	--	1	1	--
42R	R5-1A	--	1	1	--
43R	R3-20L	--	1	1	--
44R	J1-1	JCT STH 11	1	2	--
45R	M1-94	TIMBER DR	1	--	--
46R	J1-1	JCT STH 11	1	1	--
47R	R7-1D	--	1	1	--
48R	R5-1A	--	1	--	--
49R	R7-1D	--	1	1	--
50R	R5-1	--	1	1	--
51R	R3-4	--	1	--	ON LIGHT POLE
52R	R1-1F	--	1	--	ON SIGNAL POLE
53R	R4-7	--	1	--	ON SIGNAL POLE
54R	R1-1F	--	1	--	ON SIGNAL POLE
55R	M1-94H	REGENCY WEST DR	1	--	ON SIGNAL ARM
56R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
57R	R1-1F	--	1	--	ON SIGNAL POLE
58R	R4-7	--	1	--	ON SIGNAL POLE
59R	R1-1F	--	1	--	ON SIGNAL POLE
60R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
61R	R6-2L	--	1	--	ON SIGNAL POLE
62R	R1-1F	--	1	--	ON SIGNAL POLE
63R	M1-94H	REGENCY WEST DR	1	--	ON SIGNAL ARM
64R	R1-1F	--	1	--	ON SIGNAL POLE
65R	R3-4	--	1	--	ON LIGHT POLE
66R	R5-1	--	1	1	--

FILE NAME : X:\ML\2022\20220357\2022-0357.01\DESIGN\TRANSPORTATION\SHEETSPLAN\030201_MQ.DWG PLOT DATE : 1/20/2023 1:36 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1:1

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SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REMOVING SIGNS TYPE II [EA]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
67R	R7-1D	--	1	--	--
68R	R7-1D	--	1	1	--
69R	R5-1A	--	1	1	--
70R	R3-20L	--	1	1	--
71R	R5-1A	--	1	2	--
72R	D1-65	REGENCY WEST DR	1	--	--
73R	R3-20L	--	1	1	--
74R	R7-1D	--	1	1	--
75R	R5-1	--	1	--	--
76R	R7-1D	--	1	1	--
77R	R1-1F	--	1	--	ON SIGNAL POLE
78R	R1-1F	--	1	--	ON SIGNAL POLE
79R	R4-7	--	1	--	ON SIGNAL POLE
80R	R6-2L	--	1	--	ON SIGNAL POLE
81R	R1-1F	--	1	--	ON SIGNAL POLE
82R	R4-7	--	1	1	--
83R	R4-7	--	1	1	--
84R	R1-1F	--	1	--	ON SIGNAL POLE
85R	R6-2L	--	1	--	ON SIGNAL POLE
86R	R1-1F	--	1	--	ON SIGNAL POLE
87R	R4-7	--	1	--	ON SIGNAL POLE
88R	R1-1F	--	1	--	ON SIGNAL POLE
89R	R5-1	--	1	1	--
90R	R7-1D	--	1	1	--
91R	R7-1D	--	1	1	--
92R	R2-1	35 MPH	1	1	--
93R	R2-1	35 MPH	1	1	--
94R	R5-1A	--	1	1	--
95R	D1-65	21ST ST	1	2	--
96R	R3-20L	--	1	1	--
97R	R3-20L	--	1	1	--
98R	R5-1A	--	1	1	--
99R	R2-1	35 MPH	1	1	--

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
100R	R2-1	35 MPH	1	1	--
101R	J4-1	SOUTH STH 31	1	1	--
102R	R7-1D	--	1	1	--
103R	R5-1	--	1	--	--
104R	R7-1D	--	1	1	--
105R	M1-94H	21ST ST	1	--	ON SIGNAL ARM
106R	R1-1F	--	1	--	ON SIGNAL POLE
107R	R4-7	--	1	--	ON SIGNAL POLE
108R	R6-2L	--	1	--	ON SIGNAL POLE
109R	R1-1F	--	1	--	ON SIGNAL POLE
110R	D11-1	--	1	1	--
111R	M6-1	--	1	--	--
112R	R1-1F	--	1	--	ON SIGNAL POLE
113R	R1-1F	--	1	--	ON SIGNAL POLE
114R	R4-7	--	1	--	ON SIGNAL POLE
115R	R4-7	--	1	--	ON SIGNAL POLE
116R	R1-1F	--	1	--	ON SIGNAL POLE
117R	R1-1F	--	1	--	ON SIGNAL POLE
118R	R6-2L	--	1	--	ON SIGNAL POLE
119R	R1-1F	--	1	--	ON SIGNAL POLE
120R	R4-7	--	1	--	ON SIGNAL POLE
121R	R1-1F	--	1	--	ON SIGNAL POLE
122R	M1-94H	21ST ST	1	--	ON SIGNAL ARM
123R	R5-1	--	1	1	--
124R	R5-1A	--	1	1	--
125R	R7-1D	--	1	1	--
126R	D1-65	21ST ST	1	2	--
127R	W3-3	--	1	1	--
128R	W3-3	--	1	1	--
129R	R3-20L	--	1	1	--
130R	R2-1	35 MPH	1	1	--
131R	R2-1	35 MPH	1	1	--
132R	R1-1	--	1	1	--

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SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
133R	R6-2R	--	1	1	--
134R	R5-1	--	1	1	--
135R	R7-1D	--	1	1	--
136R	R7-1D	--	1	1	--
137R	R2-1	35 MPH	1	1	--
138R	R2-1	35 MPH	1	1	--
139R	R4-7	--	1	1	--
140R	R1-1	--	1	1	--
141R	R6-2L	--	1	1	--
142R	R4-7	--	1	1	--
143R	R5-1	--	1	1	--
144R	R7-1D	--	1	1	--
145R	R7-1D	--	1	1	--
146R	R5-1A	--	1	1	--
147R	R5-1A	--	1	1	--
148R	R5-1	--	1	1	--
149R	R4-7	--	1	1	--
150R	W14-2	--	1	1	--
151R	R6-2L	--	1	1	--
152R	R1-1	--	1	1	--
153R	R4-7	--	1	1	--
154R	R7-1D	--	1	1	--
155R	R6-2R	--	1	1	--
156R	R1-1	--	1	1	--
157R	R6-2R	--	1	1	--
158R	R7-1D	--	1	1	--
159R	R7-1D	--	1	1	--
160R	R2-1	35 MPH	1	1	--
161R	R2-1	35 MPH	1	1	--
162R	R5-1A	--	1	--	--
163R	R2-1	35 MPH	1	1	--
164R	R2-1	35 MPH	1	1	--
165R	R5-1	--	1	1	--

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SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
166R	R4-7	--	1	1	--
167R	R6-2L	--	1	1	--
168R	R1-1	--	1	1	--
169R	R1-1	--	1	1	--
170R	R6-3A	--	1	--	--
171R	R6-2L	--	1	1	--
172R	R4-7	--	1	1	--
173R	R5-1	--	1	1	--
174R	D1-65	16TH ST	1	2	--
175R	R7-1D	--	1	1	--
176R	R5-1A	--	1	1	--
177R	W3-3	--	1	1	--
178R	W3-3	--	1	1	--
179R	R7-1D	--	1	1	--
180R	R4-7	--	1	1	--
181R	R1-1	--	1	1	--
182R	R6-2L	--	1	1	--
183R	R4-7	--	1	1	--
184R	R3-20L	--	1	1	--
185R	R5-1	--	1	1	--
186R	R2-1	35 MPH	1	1	--
187R	R2-1	35 MPH	1	1	--
188R	R7-1D	--	1	1	--
189R	R5-1A	--	1	--	--
190R	R5-1A	--	1	1	--
191R	R7-1D	--	1	--	--
192R	R5-1	--	1	1	--
193R	R1-1F	--	1	--	ON SIGNAL POLE
194R	R4-7	--	1	--	ON SIGNAL POLE
195R	M1-94H	16TH ST	1	--	ON SIGNAL ARM
196R	R1-1F	--	1	--	ON SIGNAL POLE
197R	R6-2L	--	1	--	ON SIGNAL POLE
198R	R1-1F	--	1	--	ON SIGNAL POLE

FILE NAME : X:\ML\2022\20220357\2022-0357.01\DESIGN\TRANSPORTATION\SHEETSPLAN\030201_MQ.DWG PLOT DATE : 1/20/2023 1:36 PM PLOT BY : ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1:1

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
199R	R5-2	--	1	--	ON SIGNAL POLE
200R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
201R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
202R	R1-1F	--	1	--	ON SIGNAL POLE
203R	R6-2L	--	1	--	ON SIGNAL POLE
204R	R1-1F	--	1	--	ON SIGNAL POLE
205R	R4-7	--	1	--	ON SIGNAL POLE
206R	R1-1F	--	1	--	ON SIGNAL POLE
207R	M1-94H	16TH ST	--	--	ON SIGNAL ARM
208R	J4-1	NORTH STH 31	1	1	--
209R	R5-1	--	1	1	--
210R	R7-1D	--	1	1	--
211R	R7-1D	--	1	1	--
212R	R5-1A	--	1	1	--
213R	R4-7	--	1	1	--
214R	R4-7	--	1	1	--
215R	R3-20L	--	1	1	--
216R	D1-65	16TH ST	1	2	--
217R	R2-1	35 MPH	1	1	--
218R	R2-1	35 MPH	1	1	--
219R	W3-3	--	1	1	--
220R	W3-3	--	1	1	--
221R	D1-65	WRIGHT AVE	1	2	--
222R	R7-1D	--	1	1	--
223R	R1-1	--	1	1	--
224R	R4-7	--	1	1	--
225R	R6-2L	--	1	1	--
226R	R4-7	--	1	1	--
227R	R3-20L	--	1	1	--
228R	R5-1	--	1	1	--
229R	W3-3	--	1	1	--
230R	W3-3	--	1	1	--
231R	R5-1A	--	1	1	--

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
232R	R5-1A	--	1	1	--
233R	R7-1D	--	1	1	--
234R	R1-1F	--	1	--	ON SIGNAL POLE
235R	R4-7	--	1	--	ON SIGNAL POLE
236R	M1-94H	WRIGHT AVE	1	--	ON SIGNAL ARM
237R	R1-1F	--	1	--	ON SIGNAL POLE
238R	R5-1	--	1	--	ON SIGNAL POLE
239R	R6-2L	--	1	1	--
240R	R1-1F	--	1	--	ON SIGNAL POLE
241R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
242R	M1-94S	GREEN BAY RD	1	--	ON SIGNAL ARM
243R	R6-3A	--	1	--	ON SIGNAL POLE
244R	R1-1F	--	1	--	ON SIGNAL POLE
245R	R5-1	--	1	--	ON SIGNAL POLE
246R	R4-7	--	1	--	ON SIGNAL POLE
247R	R1-1F	--	1	--	ON SIGNAL POLE
248R	M1-94H	WRIGHT AVE	1	--	ON SIGNAL ARM
249R	R1-1F	--	1	--	ON SIGNAL POLE
250R	R6-2L	--	1	1	--
251R	R2-1	35 MPH	1	1	--
252R	R2-1	35 MPH	1	1	--
253R	D1-65	WASHINGTON AVE	1	2	--
254R	J1-1	JCT STH 20	1	1	--
255R	R7-1D	--	1	1	--
256R	W3-3	--	1	1	--
257R	W3-3	--	1	1	--
258R	W3-3	--	1	1	--
259R	W3-3	--	1	1	--
260R	R4-7	--	1	1	--
261R	R4-7	--	1	1	--
262R	J2-1	--	1	1	--
263R	D1-65	WRIGHT AVE	1	2	--
264R	R5-1A	--	1	1	--

3

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
265R	J2-1	--	1	1	--
266R	R3-20L	--	1	1	--
267R	R2-1	35 MPH	1	1	--
268R	D9-2	--	1	1	--
269R	R1-1	--	1	1	--
270R	R7-1D	--	1	1	--
271R	R5-1A	--	1	1	--
272R	R7-1D	--	1	--	--
273R	JV	--	1	1	--
274R	J3-1	WEST STH 20	1	--	ON S-51-209 STRUCTURE BEING REMOVED
275R	R3-5L	--	1	--	ON S-51-209 STRUCTURE BEING REMOVED
276R	R3-5L	--	1	--	ON S-51-209 STRUCTURE BEING REMOVED
277R	J4-1	SOUTH STH 31	1	1	--
278R	R1-1F	--	1	1	--
279R	R4-7	--	1	--	--
280R	R1-2	--	1	1	--
281R	W12-1D	--	1	1	--
282R	R1-1F	--	1	--	--
283R	R6-2L	--	1	--	--
284R	W12-1D	--	1	1	--
285R	R1-lF	--	1	--	--
286R	R5-1	--	1	--	--
287R	R6-2L	--	1	--	--
288R	R1-2	--	1	--	--
289R	R6-2L	--	1	--	SHEET 1
290R	R5-1	--	1	--	SHEET 1
291R	R10-3ER	--	1	--	SHEET 1
292R	R10-3ER	--	1	--	SHEET 1
293R	R1-1F	--	1	--	SHEET 1
294R	W12-1D	--	1	1	SHEET 1
295R	R1-2	--	1	--	SHEET 1
296R	R5-1	--	1	--	SHEET 1
297R	R10-3ER	--	1	--	SHEET 1

TYPE II PERMANENT SIGNING REMOVALS

2390-12-70 STH 31

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REMOVING SIGNS TYPE II [EA]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	REMARKS / NEW SIGN LOCATION
298R	R1-1F	--	1	--	SHEET 1
299R	W12-1D	--	1	1	SHEET 1
300R	R6-2L	--	1	--	SHEET 1
301R	R10-3ER	--	1	--	SHEET 1
302R	R1-2	--	1	--	SHEET1
UNDISTRIBUTED			5	5	
TOTALS			306	185	

3

3

REMOVE OVERHEAD SIGN SUPPORTS - MISC QUANTITIES 2390-12-70 STH 31

LOCATION	REMOVING ANCILLARY STRUCTURE S-51-209 204.0246 EACH
STH 31 NB Station 199+25	1
TOTAL	1

SHEET 1 OF 1

3

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
2	R6-3 (2S)	--	30 x 24	5.00	--	--	--	--	--	ON SIGNAL POLE
3	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
4	D1-65	TIMBER DR NEXT SIGNAL	21 x 60	8.75	--	--	--	2	--	--
5	R3-8LL (2S)	--	36 x 30	7.50	--	--	--	1	--	--
6	J4-1 (2S)	--	24 x 36	6.00	--	--	--	1	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
7	J3-1 (2S)	--	24 x 57	9.50	--	--	--	1	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--
8	R3-20L (2S)	--	24 x 36	6.00	--	--	--	--	--	ON LIGHT POLE
9	J3-1 (2S)	--	24 x 57	9.50	--	--	--	--	--	ON LIGHT POLE
	M3-2	--	24 x 12	--	--	--	--	--	--	--
	M1-6	--	24 x 24	--	--	--	--	--	--	--
	M6-1	--	24 x 21	--	--	--	--	--	--	--
10	R5-1A (2S)	--	36 x 24	6.00	--	--	--	1	--	--
11	I55-56 (2S)	--		--	--	--	1	1	--	--
12	I55-56P (2S)	--		--	--	--	1	--	11	--
13	R5-1A (2S)	--	36 x 24	6.00	--	--	--	--	11,12	--
14	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	1	--	--
15	R3-20L (2S)	--	24 x 36	6.00	--	--	--	1	--	--
16	J2-3 (2S)	--	72 x 57	28.50	--	--	--	2	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 11	24 x 24	--	--	--	--	--	--	--
	M5-1L	--	21 x 21	--	--	--	--	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 11	24 x 24	--	--	--	--	--	--	--
	M5-1R	--	24 x 24	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
17	D1-65	DURAND AVE NEXT SIGNAL	21 x 66	9.63	--	--	--	--	16	--
18	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
19	R3-4 (2S)	--	24 x 24	4.00	--	--	--	--	--	ON SIGNAL POLE
20	R7-1D (2S)	--	18 x 24	3.00	--	--	--	--	--	ON SIGNAL POLE
21	M1-94H	TIMBER DR	18 x 96	12.00	--	--	--	--	--	ON SIGNAL ARM
22	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
23	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
24	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
25	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
26	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
27	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	ON SIGNAL POLE
28	M1-94S	S GREEN BAY RD	18 x 96	12.00	--	--	--	--	--	ON SIGNAL ARM
29	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
30	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
31	M1-49S	S GREEN BAY RD	18 x 96	12.00	--	--	--	--	--	ON SIGNAL ARM
32	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
33	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
34	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	ON SIGNAL POLE
35	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
36	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
37	M1-94H	TIMBER DR	18 x 96	12.00	--	--	--	--	--	ON SIGNAL ARM
38	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
39	R3-4 (2S)	--	24 x 24	4.00	--	--	--	--	--	ON SIGNAL POLE
40	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
41	D1-65	REGENCY WEST DR NEXT SIGNAL	33 x 78	17.88	--	--	--	2	--	--
42	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
43	R3-20L (2S)	--	24 x 36	6.00	--	--	--	1	--	--
44	R5-1A (2S)	--	36 x 24	6.00	--	--	--	1	--	--
45	R3-20L (2S)	--	24 x 36	6.00	--	--	--	1	--	--
46	J1-1 (2S)	--	24 x 39	6.50	--	--	--	1	--	--
	M2-1	--	21 x 15	--	--	--	--	--	--	--
	M1-6	--	24 x 24	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
47	J1-1 (2S)	--	24 x 39	6.50	--	--	--	1	--	--
	M2-1	--	21 x 15	--	--	--	--	--	--	--
	M1-6	--	24 x 24	--	--	--	--	--	--	--
48	D1-65	TIMBER DR NEXT SIGNAL	21 x 60	8.75	--	--	--	2	--	--
49	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
50	R5-1A (2S)	--	36 x 24	6.00	--	--	--	--	49	--
51	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
52	R3-4 (2S)	--	24 x 24	4.00	--	--	--	--	--	ON SIGNAL POLE
53	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
54	M1-94H	REGENCY WEST DR	18 x 108	13.50	--	--	--	--	--	ON SIGNAL ARM
55	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
56	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
57	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	ON SIGNAL POLE
58	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
59	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
60	M1-94S	S GREEN BAY RD	18 x 96	12.00	--	--	--	--	--	ON SIGNAL ARM
61	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
62	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
63	M1-94S	S GREEN BAY RD	18 x 96	12.00	--	--	--	--	--	ON SIGNAL ARM
64	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
65	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
66	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	ON SIGNAL POLE
67	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
68	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	ON SIGNAL POLE
69	M1-94H	REGENCY WEST DR	18 x 108	13.50	--	--	--	--	--	ON SIGNAL ARM
70	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	--	ON SIGNAL POLE
71	R3-4 (2S)	--	24 x 24	4.00	--	--	--	--	--	ON SIGNAL POLE
72	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
73	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
74	R5-1A (2S)	--	36 x 24	6.00	--	--	--	1	--	--
75	R5-1A (2S)	--	36 x 24	6.00	--	--	--	1	--	--
76	D1-65	REGENCY WEST DR NEXT SIGNAL	33 x 78	17.88	--	--	--	2	--	--
77	R3-20L (2S)	--	24 x 36	6.00	--	--	--	1	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
78	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
79	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
80	R7-1D (2S)	--	18	x	24	3.00	--	--	--	--	--	ON SIGNAL POLE
81	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
82	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
83	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
84	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
85	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
86	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
87	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
88	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
89	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
90	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
91	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
92	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
93	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
94	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
95	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
96	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
97	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
98	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
99	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
100	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
101	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
102	D1-65	21ST ST NEXT SIGNAL	21	x	54	7.88	--	--	--	2	--	--
103	R3-20L (2S)	--	24		36	6.00	--	--	--	1	--	--
104	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
105	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
106	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
107	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
108	J4-1 (2S)	--	24	x	36	6.00	--	--	--	1	--	--
	M3-3	--	24	x	12	--	--	--	--	--	--	--
	M1-6	--	24	x	24	--	--	--	--	--	--	--

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SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
109	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
110	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
111	R7-1D (2S)	--	18	x	24	3.00	--	--	--	--	--	ON SIGNAL POLE
112	M1-94H	21ST STREET	18	x	54	6.75	--	--	--	--	--	ON SIGNAL ARM
113	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
114	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
115	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
116	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
117	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
118	D11-1 (2S)	--	24	x	18	3.00	--	--	--	1	--	--
119	MK6-1 (2S)	--	21	x	21	3.06	--	--	--	--	118	--
120	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
121	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
122	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
123	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
124	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
125	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
126	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
127	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
128	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
129	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
130	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
131	M1-94H	21ST STREET	18	x	54	6.75	--	--	--	--	--	ON SIGNAL ARM
132	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
133	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
134	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
135	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
136	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
137	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
138	D1-65	21ST ST NEXT SIGNAL	21	x	54	7.88	--	--	--	2	--	--
139	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
140	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
141	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
142	R1-1 (2M)	--	36	x	36	7.46	--	--	--	1	--	--
143	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	142	--
144	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
145	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
146	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
147	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
148	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
149	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
150	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
151	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
152	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
153	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	152	--
154	R1-1 (2M)	--	36	x	36	7.46	--	--	--	1	--	--
155	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	154	--
156	W5-53 (2S)	--	6	x	12	--	0.50	--	--	1	--	2 FOOT MOUNTING HEIGHT
157	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
158	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	157	--
159	W5-53 (2S)	--	6	x	12	--	0.50	--	--	1	--	2 FOOT MOUNTING HEIGHT
160	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
161	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	160	--
162	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
163	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
164	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
165	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
166	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
167	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
168	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
169	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
170	W14-2 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
171	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
172	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
173	R1-1 (2M)	--	36	x	36	7.46	--	--	--	1	--	--
174	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	173	--
175	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
176	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	175	--
177	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
178	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
179	R1-1 (2M)	--	36	x	36	7.46	--	--	--	1	--	--
180	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	179	--
181	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
182	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
183	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
184	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
185	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
186	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
187	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
188	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
189	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
190	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
191	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
192	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
193	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
194	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
195	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	194	--
196	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	351	--
197	W5-53 (2S)	--	6	x	12	--	0.50	--	--	1	--	2 FOOT MOUNTING HEIGHT
198	R1-1 (2M)	--	36	x	36	7.46	--	--	--	1	--	--
199	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	198	--
200	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
201	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
202	R1-1 (2M)	--	36	x	36	9.00	--	--	--	1	--	--
203	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	202	--
204	W5-53 (2S)	--	6	x	12	--	0.50	--	--	1	--	2 FOOT MOUNTING HEIGHT
205	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
206	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
207	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	206	--
208	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
209	D1-65	16TH ST NEXT SIGNAL	21	x	54	7.88	--	--	--	2	--	--
210	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
211	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
212	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
213	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
214	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
215	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
216	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
217	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
218	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
219	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	218	--
220	R1-1 (2M)	--	36	x	36	7.46	--	--	--	1	--	--
221	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	220	--
222	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
223	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
224	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
225	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
226	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
227	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
228	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
229	R5-1A (2S)	--	36	x	24	6.00	--	--	--	--	228	--
230	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
231	R7-1D (2S)	--	18	x	24	3.00	--	--	--	--	230	--
232	M1-94H (2S)	16TH ST	18	x	54	6.75	--	--	--	--	--	ON SIGNAL ARM
233	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
234	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
235	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
236	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
237	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
238	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
239	R5-2 (2S)	--	24	x	24	4.00	--	--	--	--	--	ON SIGNAL POLE
240	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
241	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
242	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
243	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
244	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
245	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
246	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	**637.2210** SIGNS TYPE II REFLC H [SF]	**637.2230** SIGNS TYPE II REFLC F [SF]	**637.2215** SIGNS TYPE II REFLC H FOLDING [SF]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
247	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
248	M1-94H	16TH ST	18	x	54	6.75	--	--	--	--	--	ON SIGNAL ARM
249	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
250	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
251	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
252	J4-1 (2S)	--	24	x	36	6.00	--	--	--	1	--	--
	M3-1	--	24	x	12	--	--	--	--	--	--	--
	M1-6	--	24	x	24	--	--	--	--	--	--	--
253	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
254	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
255	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
256	D1-65	16TH ST NEXT SIGNAL	21	x	54	7.88	--	--	--	2	--	--
257	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
258	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
259	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
260	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
261	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
262	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
263	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	262	--
264	R1-1 (2M)	--	36	x	36	7.46	--	--	--	1	--	--
265	R3-53R (2S)	--	24	x	30	5.00	--	--	--	--	264	--
266	D1-65	WRIGHT AVE NEXT SIGNAL	21	x	66	9.63	--	--	--	2	--	--
267	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
268	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
269	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
270	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
271	R5-1 (2S)	--	30	x	30	6.25	--	--	--	1	--	--
272	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
273	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
274	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
275	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
276	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
277	R2-1 (2S)	35 MPH	24	x	30	5.00	--	--	--	1	--	--
278	M1-94H	WRIGHT AVE	18	x	78	9.75	--	--	--	--	--	ON SIGNAL ARM

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	**637.2210** SIGNS TYPE II REFLC H [SF]	**637.2230** SIGNS TYPE II REFLC F [SF]	**637.2215** SIGNS TYPE II REFLC H FOLDING [SF]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
279	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
280	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
281	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
282	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
283	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
284	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
285	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
286	M1-94S	S GREEN BAY RD	18	x	96	12.00	--	--	--	--	--	ON SIGNAL ARM
287	R6-2L (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
288	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
289	R5-1 (2S)	--	30	x	30	6.25	--	--	--	--	--	ON SIGNAL POLE
290	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
291	R1-1F (2M)	--	36	x	36	--	--	7.46	--	--	--	ON SIGNAL POLE
292	M1-94H	WRIGHT AVE	18	x	78	9.75	--	--	--	--	--	ON SIGNAL ARM
293	R4-7 (2S)	--	24	x	30	5.00	--	--	--	--	--	ON SIGNAL POLE
294	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
295	D1-65 (2S)	WASHINGTON AVE NEXT SIGNAL	33	x	66	15.13	--	--	--	2	--	--
296	R5-1A (2S)	--	36	x	24	6.00	--	--	--	1	--	--
297	J1-1 (2S)	--	24	x	39	6.50	--	--	--	1	--	--
	M2-1	--	21	x	15	--	--	--	--	--	--	--
	M1-6	STH 20	24	x	24	--	--	--	--	--	--	--
298	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
299	R7-1D (2S)	--	18	x	24	3.00	--	--	--	1	--	--
300	R3-20L (2S)	--	24	x	36	6.00	--	--	--	1	--	--
301	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
302	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
303	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
304	W3-3 (2S)	--	36	x	36	--	9.00	--	--	1	--	--
305	R6-2R (2S)	--	24	x	30	5.00	--	--	--	1	--	--
306	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
307	R3-2 (2S)	--	24	x	24	4.00	--	--	--	--	306	--
308	R4-7 (2S)	--	24	x	30	5.00	--	--	--	1	--	--
309	J2-1 (2S)	--	24	x	57	9.50	--	--	--	1	--	--
	M3-4	--	24	x	12	--	--	--	--	--	--	--
	M1-6	STH 20	24	x	24	--	--	--	--	--	--	--
	M5-1L	--	21	x	21	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
310	R5-1 (2S)	--	30 x 30	6.25	--	--	--	1	--	--
311	J2-2 (2S)	--	48 x 57	19.00	--	--	--	1	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 20	24 x 24	--	--	--	--	--	--	--
	M5-1R	--	21 x 21	--	--	--	--	--	--	--
312	R3-20L (2S)	--	24 x 36	6.00	--	--	--	1	--	--
313	D1-65	WRIGHT AVE NEXT SIGNAL	21 x 66	9.63	--	--	--	2	--	--
314	R5-1A (2S)	--	36 x 24	6.00	--	--	--	1	--	--
315	R3-8LL (2S)	--	36 x 30	7.50	--	--	--	1	--	--
316	R1-1 (2M)	--	36 x 36	7.46	--	--	--	1	--	--
317	JH-1 (2S)	--	24 x 45	7.50	--	--	--	1	--	--
	D9-2	--	24 x 24	--	--	--	--	--	--	--
	MB5-1R	--	21 x 21	--	--	--	--	--	--	--
318	R6-2R (2S)	--	24 x 30	5.00	--	--	--	1	--	--
319	R6-2R (2S)	--	24 x 30	5.00	--	--	--	1	--	--
320	R5-1 (2S)	--	30 x 30	6.25	--	--	--	1	--	--
321	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
322	J3-1 (2S)	--	24 x 57	9.50	--	--	--	1		--
	M3-4	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 20	24 x 24	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--
323	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	--	325	--
324	R5-1A (2S)	--	36 x 24	6.00	--	--	--	1	--	--
325	J3-2 (2S)	--	48 x 81	27.00	--	--	--	1	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 20	24 x 24	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
326	R7-1D (2S)	--	18 x 24	3.00	--	--	--	1	--	--
327	J4-1 (2S)	--	24 x 36	6.00	--	--	--	1	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
328	R1-1F (2M)	--	36 x 36	--	--	7.46	--	1	--	--
329	R4-7 (2S)	--	24 x 30	5.00	--	--	--	--	316	--
330	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 2/ON SIGNAL POLE
331	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 2/ON SIGNAL POLE
332	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 2/ON SIGNAL POLE
333	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	1	--	SHEET 3
334	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	1	--	SHEET 3
335	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	1	--	SHEET 3
336	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	1	--	SHEET 3
337	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 4/ON SIGNAL POLE
338	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 4/ON SIGNAL POLE
339	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 4/ON SIGNAL POLE
340	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 5/ON SIGNAL POLE
341	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 5/ON SIGNAL POLE
342	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 5/ON SIGNAL POLE
343	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 5/ON SIGNAL POLE
344	J4-1 (2S)	--	24 x 36	6.00	--	--	--	1	--	SHEET 5
	M3-1	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
345	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 6/ON SIGNAL POLE
346	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 6/ON SIGNAL POLE
347	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 6/ON SIGNAL POLE
348	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 6/ON SIGNAL POLE
349	J4-1 (2S)	--	24 x 36	6.00	--	--	--	1	--	SHEET 8
	M3-3	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
350	J4-1 (2S)	--	24 x 36	6.00	--	--	--	1		SHEET 9
	M3-1	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
351	W11-2 (2S)	--	30 x 30	--	6.25	--	--	1	--	SHEET 9
352	W16-7L (2S)	--	24 x 12	--	2.00	--	--	--	351	SHEET 9
353	W11-2 (2S)	--	30 x 30	--	6.25	--	--	1	--	SHEET 9
354	W16-7R (2S)	--	24 x 12	--	2.00	--	--	--	353	SHEET 9
355	W11-2 (2S)	--	30 x 30	--	6.25	--	--	1	--	SHEET 9
356	W16-7R (2S)	--	24 x 12	--	2.00	--	--	--	355	SHEET 9
357	W11-2 (2S)	--	30 x 30	--	6.25	--	--	1	--	SHEET 9
358	W16-7L (2S)	--	24 x 12	--	2.00	--	--	--	357	SHEET 9
359	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 11/ON SIGNAL POLE
360	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 11/ON SIGNAL POLE
361	J4-1 (2S)	--	24 x 36	6.00	--	--	--	1	--	SHEET 12
	M3-3	--	24 x 12	--	--	--	--	--	--	--
	M1-6	STH 31	24 x 24	--	--	--	--	--	--	--
362	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 13/ON SIGNAL POLE
363	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 13/ON SIGNAL POLE
364	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	1	--	SHEET 13
365	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	1	--	SHEET 13
366	R2-1 (2S)	35 MPH	24 x 30	5.00	--	--	--	--	324	SHEET 15
367	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
368	R10-3ER (2S)	--	9 x 15	0.94	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
369	R10-3ER (2S)	--	9 x 15	0.94	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
370	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	SHEET 1/ON SIGNAL POLE
371	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 1 / 2' HEIGHT
372	R1-2 (2S)	--	36 x 31	3.88	--	--	--	1	--	SHEET 1
373	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
374	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
375	R10-3ER (2S)	--	9 x 15	0.94	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
376	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	SHEET 1/ON SIGNAL POLE
377	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 1 / 2' HEIGHT
378	R10-3ER (2S)	--	9 x 15	0.94	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
379	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
380	R1-2 (2S)	--	36 x 31	3.88	--	--	--	--	--	SHEET 1/ON SIGNAL POLE
381	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 2 / 2' HEIGHT

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4"X6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
382	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 2 / 2' HEIGHT
383	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 3 / 2' HEIGHT
384	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 4 / 2' HEIGHT
385	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 5 / 2' HEIGHT
386	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 5 / 2' HEIGHT
387	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 6 / 2' HEIGHT
388	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 6 / 2' HEIGHT
389	W11-2 (2S)	--	30 x 30	--	6.25	--	--	1	--	SHEET 8
390	W16-9P (2S)	--	24 x 12	--	2.00	--	--	--	387	SHEET 8
391	W11-2 (2S)	--	30 x 30	--	6.25	--	--	1	--	SHEET 10
392	W16-9P (2S)	--	24 x 12	--	2.00	--	--	--	389	SHEET 10
393	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 11 / 2' HEIGHT
394	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 11 / 2' HEIGHT
395	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 13 / 2' HEIGHT
396	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 13 / 2' HEIGHT
397	R1-2 (2S)	--	36 x 31	3.88	--	--	--	1	--	SHEET 15
398	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 15 / 2' HEIGHT
399	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	SHEET 15/ON SIGNAL POLE
400	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 15/ON SIGNAL POLE
401	W12-1D (2S)	--	24 x 24	--	4.00	--	--	1	--	SHEET 15 / 2' HEIGHT
402	R1-1F (2M)	--	36 x 36	--	--	7.46	--	--	--	SHEET 15/ON SIGNAL POLE
403	R5-1 (2S)	--	30 x 30	6.25	--	--	--	--	--	SHEET 15/ON SIGNAL POLE
404	R6-2L (2S)	--	24 x 30	5.00	--	--	--	--	--	SHEET 15/ON SIGNAL POLE
405	R1-2 (2S)	--	36 x 31	3.88	--	--	--	--	--	SHEET 15/ON SIGNAL POLE
406	R9-3A (2S)	--	24 x 24	4.00	--	`	--	1	--	SHEET 9
406A	R9-3BL (2S)	--	18 x 12	1.50	--	--	--	--	406	SHEET 9
407	R10-15R (2M)	--	30 x 30	--	6.25	--	--	1	--	SHEET 6
408	R10-15R (2M)	--	30 x 30	--	6.25	--	--	--	134	SHEET 7
TOTALS				1884.51	236.00	343.16	2	235		

3

REMOVING CONCRETE SURFACE PARTIAL DEPTH

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF
0010	1	STH 31 - STH 11 TO 16TH ST	120+67	-	160+00	RT&LT	4,200
	2	STH 31 - STH 11 TO 16TH ST	120+67	-	160+00	RT&LT	--
	3	STH 31 - STH 11 TO 16TH ST	120+67	-	160+00	RT&LT	--
	4	STH 31 - STH 11 TO 16TH ST	120+67	-	160+00	RT&LT	--
	5	STH 31 - STH 11 TO 16TH ST	120+67	-	160+00	RT&LT	--
	6	STH 31 - 21ST ST TO STH 20	160+00	-	200+95	RT&LT	1,200
	7	STH 31 - 21ST ST TO STH 20	160+00	-	200+95	RT&LT	--
	8	STH 31 - 21ST ST TO STH 20	160+00	-	200+95	RT&LT	--
	9	STH 31 - 21ST ST TO STH 20	160+00	-	200+95	RT&LT	--
	10	STH 31 - 21ST ST TO STH 20	160+00	-	200+95	RT&LT	--
TOTALS							5,400

TRAFFIC CONTROL SIGNS FIXED MESSAGE

STAGE	SIGN NUMBER	* SIGN SIZE	643.1000 SF
ALTERNATE ROUTE PLAN			
	1	78"X36"	20
	2	78"X36"	20
	3	78"X36"	20
	4	78"X36"	20
	5	78"X36"	20
	6	78"X36"	20
		TOTAL	120

*FOR INFORMATION ONLY

BASE AGGREGATE FOR TEMPORARY PAVEMENT ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	1						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	3,365
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	1,880
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--
SUBTOTAL							5,245
	2						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	215
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	110
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--
SUBTOTAL							325
	3						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	2,660
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	1,455
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--
SUBTOTAL							4,115
	4						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	415
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	400
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--
SUBTOTAL							815
	5						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	630
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--
SUBTOTAL							630
	6						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	1,745
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	3,145
SUBTOTAL							4,890
	7						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	70
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	40
SUBTOTAL							110
	8						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	1,175
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	2,615
SUBTOTAL							3,790
	9						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	155
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	245
SUBTOTAL							400
	10						
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	--
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--
SUBTOTAL							--
TOTALS							20,320

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS CATEGORY 0010 UNLESS NOTED

TEMPORARY ASPHALTIC ITEMS

							455.0605*	465.0125	465.0310
								ASPHALTIC SURFACE	
CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	TACK COAT GAL	TEMPORARY TON	ASPHALTIC CURB LF
0010	1								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	340	1,410	980
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	200	810	400
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--	--	--
SUBTOTAL							540	2,220	1,380
	2								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	30	100	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	20	50	30
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--	--	--
SUBTOTAL							50	150	30
	3								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	260	1,070	1,080
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	160	670	--
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--	--	--
SUBTOTAL							420	1,740	1,080
	4								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	50	190	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	50	180	80
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--	--	--
SUBTOTAL							100	370	80
	5								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--	--	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	--	--	1,960
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--	--	--
SUBTOTAL							--	--	1,960
	6								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--	--	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	180	740	440
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	310	1,290	1,100
SUBTOTAL							490	2,030	1,540
	7								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--	--	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	10	30	--
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	10	20	--
SUBTOTAL							20	50	--
	8								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--	--	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	130	540	--
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	240	1,000	1,360
SUBTOTAL							370	1,540	1,360
	9								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--	--	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	20	70	--
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	30	110	--
SUBTOTAL							50	180	--
	10								
		STH 31 - STH 11 TO 21ST ST	120+67	-	148+51	RT&LT	--	--	--
		STH 31 - 21ST ST TO 16TH ST	148+51	-	175+71	RT&LT	--	--	--
		STH 31 - 16TH ST TO STH 20	175+71	-	200+95	RT&LT	--	--	--
SUBTOTAL							--	--	--
TOTALS							2,040	8,280	7,430

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS CATEGORY 0010 UNLESS NOTED

TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH (WHITE) LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW) LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE) LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW) LF	643.3265 TEMPORARY MARKING LINE PAINT 10-INCH (WHITE) LF	643.3270 TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE) LF	643.3280 TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE) LF	643.3305 TEMPORARY MARKING CROSSWALK PAINT 6-INCH (WHITE) LF	643.3350 TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH (WHITE) LF	643.3505 TEMPORARY MARKING ARROW PAINT EACH	643.3550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	643.3605 TEMPORARY MARKING WORD PAINT EACH	643.3650 TEMPORARY MARKING WORD REMOVABLE TAPE EACH	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE) LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) LF
0010	1	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	9,755	--	60	1,400	2,445	--	1,100	--	--	17	1	7	1	270	40
	2A-2B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	5,895	4,810	--	1,560	850	935	--	895	--	--	8	2	2	1	200	200
	2C	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	160	--	--	--	--	--	--	--	--	--	--	--	--
	3A	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	1,460	5,650	--	--	1,265	--	225	--	8	--	2	--	135
	3B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	30	150	--	--	--	--	--	--	--	--	--	--	--
	3C	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	--	80	--	--	--	--	--	--	--	--	--	--	--
	4A-4B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	1,300	650	--	6,020	4,630	--	--	2,400	--	510	--	10	--	5	--	370
	4C	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	155	--	--	--	--	--	--	--	--	--	--	--	--
	5A	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	1,220	4,450	--	--	1,595	--	355	--	10	--	5	--	--
	5B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	--	90	--	--	410	--	--	--	--	--	--	--	--
	WSD	STH 31 - STH 11 TO STH 21	120+68	-	200+96	RT&LT	--	--	955	--	--	--	1,465	--	--	--	--	--	--	--	--	--
	6	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	7,915	--	20	2,480	1,400	--	905	705	--	10	--	5	--	150	--
	7A-7B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	5,110	3,800	--	1,690	785	1,090	--	30	450	--	7	--	4	--	115	35
	7C	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	700	--	--	--	525	--	--	--	--	--	--	--	--
	8A	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	1,600	5,075	--	--	2,235	--	240	--	6	--	3	--	90
	8B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	45	665	--	--	--	--	--	--	2	--	1	--	--
	8C	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	220	40	--	--	--	--	--	--	--	--	--	--	--
	9A-9B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	7,180	5,085	--	--	1,445	--	590	--	7	--	4	--	95
	9C	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	565	--	--	--	525	--	--	--	--	--	--	--	--
	10A	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	535	4,995	--	--	2,170	--	--	--	4	--	2	--	--
	10B	STH 31 - STH 11 TO STH 20	120+67	-	200+95	RT&LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTALS							12,305	26,930	955	23,220	36,425	5,870	1,465	15,500	1,155	1,920	42	50	18	24	735	965
							39,235			59,645												

ALL ITEMS CATEGORY 0010 UNLESS NOTED

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO:	E

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	DURATION *	643.0300 TRAFFIC CONTROL DRUM DRUMS *	DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III BARRICADES *	DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A LIGHTS *	DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C LIGHTS *	DAY	643.0810 TRAFFIC CONTROL CONNECTED ARROW BOARD BOARDS *	DAY	643.1220 TRAFF CNTRL CONNECTED WORK ZONE START AND END MARKERS MARKERS *	DAY	643.0900 TRAFFIC CONTROL SIGNS SIGNS *	DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS SIGNS *	DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH CONES *	DAY	643.4100 TRAFFIC CONTROL INTERIM LANE CLOSURE EACH	643.5000 TRAFFIC CONTROL EACH
0010	1	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	45	675	30,375	140	6,300	--	--	280	12,600	20	900	2	90	2	90	170	7,650	1	4	20	--	--	8	--
	2A-2B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	68	525	35,700	90	6,120	390	390	180	12,240	54	3,672	2	136	2	136	179	12,172	2	4	20	--	--	4	--
	2C	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	7	450	3,150	90	630	--	--	180	1,260	54	378	2	14	2	14	160	1,120	--	4	20	--	--	--	--
	3A	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	12	710	8,520	130	1,560	--	--	260	3,120	20	240	2	24	2	24	221	2,652	--	4	20	--	--	8	--
	3B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	7	710	4,970	130	910	--	--	260	1,820	20	140	2	14	2	14	223	1,561	--	4	20	--	--	--	--
	3C	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	16	710	11,360	130	2,080	--	--	260	4,160	20	320	2	32	2	32	220	3,520	--	4	20	--	--	--	--
	4A-4B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	63	575	36,225	100	6,300	340	340	200	12,600	56	3,528	2	126	2	126	222	13,986	1	4	20	--	--	4	--
	4C	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	7	585	4,095	95	665	--	--	190	1,330	56	392	2	14	2	14	189	1,323	--	4	20	--	--	--	--
	5A	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	20	700	14,000	140	2,800	--	--	280	5,600	20	400	2	40	2	40	257	5,140	--	4	20	--	--	10	--
	5B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	15	710	10,650	140	2,100	--	--	280	4,200	20	300	2	30	2	30	266	3,990	--	4	20	--	--	--	--
	WINTER SHUTDOWN		120+67	-	200+95	RT&LT	135	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29	2,610	--	--	--	--	--	--	--
	6	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	45	640	28,800	150	6,750	--	--	300	13,500	20	900	2	90	2	90	171	7,695	1	4	15	--	--	2	--
	7A-7B	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	68	465	31,620	45	3,060	775	775	90	6,120	44	2,992	2	136	2	136	184	12,512	1	4	15	--	--	2	--
	7C	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	7	480	3,360	50	350	--	--	100	700	44	308	3	21	2	14	187	1,309	--	4	15	--	--	--	--
	8A	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	12	860	10,320	135	1,620	--	--	270	3,240	38	456	3	36	2	24	232	2,784	--	4	15	8	96	4	--
	8B	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	7	825	5,775	140	980	--	--	280	1,960	38	266	3	21	2	14	236	1,652	--	4	15	29	203	--	--
	8C	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	16	775	12,400	135	2,160	--	--	270	4,320	29	464	2	32	2	32	232	3,712	--	4	15	28	448	--	--
	9A-9B	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	63	465	29,295	70	4,410	765	765	140	8,820	44	2,772	2	126	2	126	202	12,726	2	4	15	--	--	2	--
	9C	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	7	500	3,500	70	490	--	--	140	980	53	371	3	21	2	14	204	1,428	--	4	15	--	--	--	--
	10A	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	20	845	16,900	140	2,800	--	--	280	5,600	37	740	3	60	2	40	239	4,780	--	4	15	--	--	4	--
	10B	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	15	800	12,000	140	2,100	--	--	280	4,200	28	420	2	30	2	30	231	3,465	--	4	15	--	--	4	--
	2028 FINAL RESTORATION		159+75	-	200+95	RT&LT	30	800	24,000	140	4,200	--	--		--		--		--		--		--						--		
TOTALS							---	---	313,015	---	54,185	2,270	2,270	---	108,370	---	19,959	---	1,093	---	1,040	---	107,787	8	---	350	---	747	52	1

* FOR INFORMATION ONLY

ALL ITEMS CATEGORY 0010 UNLESS NOTED

TEMPORARY PEDESTRIAN ITEMS

								616.0700.S	644.1440	644.1601		644.1605	644.1810	644.1900.S	
							*	FENCE SAFETY	TEMPORARY PEDESTRIAN SURFACE MATTING	TEMPORARY PEDESTRIAN CURB RAMP		TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN BARRICADE	TEMPORARY AUDIBLE MESSAGE DEVICES	
CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	DURATION	LF	SF	* RAMPS	DAY	SF	LF	* DEVICES	DAY
0010	1	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	45	--	--	--	--	--	--	--	--
	2A-2B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	68	390	920	2	15	60	1,650	2	136
	2C	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	7	--	--	--	--	--	15	6	42
	3A	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	12	--	--	--	--	80	260	4	48
	3B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	7	--	--	--	--	--	--	4	28
	3C	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	16	--	--	--	--	--	--	4	64
	4A-4B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	63	--	150	4	30	60	765	6	378
	4C	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	7	--	--	--	--	--	15	5	35
	5A	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	20	--	--	--	--	--	680	5	100
	5B	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	15	--	--	--	--	--	100	9	135
		WINTER SHUTDOWN	120+67	-	200+95	RT&LT	135	--	--	--	--	--	--	5	675
	6	STH 31 - STH 11 TO STH 21	159+75	-	200+95	RT&LT	45	--	--	--	--	--	--	5	225
	7A-7B	STH 31 - STH 11 TO STH 22	159+75	-	200+95	RT&LT	68	--	170	--	--	65	915	7	476
	7C	STH 31 - STH 11 TO STH 23	159+75	-	200+95	RT&LT	7	--	--	--	--	--	15	11	77
	8A	STH 31 - STH 11 TO STH 24	159+75	-	200+95	RT&LT	12	--	--	--	--	55	170	7	84
	8B	STH 31 - STH 11 TO STH 25	159+75	-	200+95	RT&LT	7	--	--	--	--	--	--	7	49
	8C	STH 31 - STH 11 TO STH 26	159+75	-	200+95	RT&LT	16	--	--	--	--	--	--	7	112
	9A-9B	STH 31 - STH 11 TO STH 27	159+75	-	200+95	RT&LT	63	--	325	1	10	75	805	4	252
	9C	STH 31 - STH 11 TO STH 28	159+75	-	200+95	RT&LT	7	--	--	--	--	--	15	6	42
	10A	STH 31 - STH 11 TO STH 29	159+75	-	200+95	RT&LT	20	--	--	--	--	--	280	--	--
	10B	STH 31 - STH 11 TO STH 30	159+75	-	200+95	RT&LT	15	--	--	--	--	--	--	--	--
TOTALS								390	1,565	---	55	395	5,685	---	2,958

* FOR INFORMATION ONLY

ALL ITEMS CATEGORY 0010 UNLESS NOTED

3

PAVEMENT MARKING REMOVALS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH
0010	1	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	2,155	410	1,465	335	25	--	6	--
	2	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	375	75	1,125	495	--	35	--	6
	3	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	--	--	45	--	--	--	--	--
	4	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	595	100	65	205	--	--	--	--
	5	STH 31 - STH 11 TO STH 20	120+67	-	159+75	RT&LT	--	--	--	--	--	--	--	--
		WINTER SHUTDOWN	120+67	-	200+95	RT&LT	--	--	--	--	--	--	--	--
	6	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	1,345	370	720	--	--	--	--	--
	7	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	--	345	100	155	35	--	8	--
	8	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	--	--	--	--	--	--	--	--
	9	STH 31 - STH 11 TO STH 20	159+75	-	200+95	RT&LT	--	60	--	120	--	--	--	8
	10	STH 31 - STH 11 TO STH 21	159+75	-	200+96	RT&LT	--	--	--	--	--	--	--	--
TOTALS							4,470	1,360	3,520	1,310	60	35	14	14

ALL ITEMS CATEGORY 0010 UNLESS NOTED

STH 31 & STH 11
S51-0070

STH 31 & STH 20
S51-0095

3

3

TRAFFIC DETECTOR LOOPS

CATEGORY	INTERSECTION	STAGE	LOOP NO.	HOME RUN PB	LOCATION***	SIZE (FT) X (FT)	NO. OF TURNS	SSD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF	655.0800* LOOP DETECTOR WIRE LF
0040	STH 11	4A-AB	21	PB28	123+18.84, 44.34' LT	6'X6'	5	9F15-4A	43	355	215
		4A-AB	22	PB28	123+18.86, 32.51' LT	6'X6'	5	9F15-4B	55	355	273
		4A-AB	23	PB28	123+18.82, 21.90' LT	6'X6'	5	9F15-4B	65	355	325
		5A	51	PB29	121+12.20, 10.77' LT	6'X20'	4	9F15-4B	71	108	284
		3A-3B	52	PB30	120+84.18, 10.63' LT	6'X20'	4	9F15-4B	73	132	292
		5A	53	PB29	121+12.23, 0.91' LT	6'X20'	4	9F15-4A	62	108	248
		3A-3B	54	PB30	120+84.24, 0.84' LT	6'X20'	4	9F15-4A	66	132	264
								SUBTOTAL	435	1,545	1,901
0040	STH 20	8C	31	PB17	200+27.68, 8.25' RT	6'X20'	3	9F15-4B	74	173	222
		8C	32	PB3	200+55.68, 8.32' RT	6'X20'	3	9F15-4B	72	173	216
		8C	33	PB17	200+27.39, 0.95' LT	6'X20'	3	9F15-4A	68	173	204
		8C	34	PB3	200+55.42, 0.85' LT	6'X20'	3	9F15-4A	66	173	198
		7A-7B	81	PB18	198+41.53, 39.36' RT	6'X6'	5	9F15-4A	73	355	365
		7A-7B	82	PB18	198+41.43, 29.05' RT	6'X6'	5	9F15-4B	63	355	315
		7A-7B	83	PB18	198+41.55, 17.95' RT	6'X6'	5	9F15-4B	52	355	260
		7C	84	PB16	200+86.97, 39.87' RT	6'X30'	3	9F15-4A	90	75	270
		7C	85	PB16	200+84.88, 29.61' RT	6'X30'	3	9F15-4B	99	75	297
		8A	86	PB16	200+82.50, 18.58' RT	6'X30'	3	9F15-4B	109	75	327
		9A-9B	S1	PB17	199+95.47, 41.99' LT	6'X6'	4	9F15-4A	54	204	216
		9A-9B	S2	PB17	199+96.11, 32.61' LT	6'X6'	4	9F15-4B	43	204	172
		10A	S3	PB17	199+95.26, 20.89' LT	6'X6'	4	9F15-4B	32	204	128
								SUBTOTAL	895	2,594	3,190

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL LOCATIONS ARE OFF STH 31 ALIGNMENT. LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
S.D.D 9F15-4A: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
S.D.D 9F15-4B: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STH 31 & STH 11
S51-0070

STH 31 & STH 20
S51-0095

TRAFFIC DETECTOR LOOPS

CATEGORY	INTERSECTION	STAGE	LOOP NO.	HOME RUN PB	LOCATION***	SIZE (FT) X (FT)	NO. OF TURNS	SSD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF	655.0800* LOOP DETECTOR WIRE LF
0040	STH 11	5A	71	PB22	EXISTING LOOP TO REMAIN	6'X20'	4	EXISTING LOOP TO REMAIN	-	411	-
		5A	72	PB22	EXISTING LOOP TO REMAIN	6'X20'	4	EXISTING LOOP TO REMAIN	-	411	-
		5A	73	PB22	EXISTING LOOP TO REMAIN	6'X20'	4	EXISTING LOOP TO REMAIN	-	411	-
		5A	74	PB22	EXISTING LOOP TO REMAIN	6'X20'	4	EXISTING LOOP TO REMAIN	-	411	-
								SUBTOTAL	--	1,644	--
0040	STH 20	8C	11	PB6	EXISTING LOOP TO REMAIN	6'X20'	3	EXISTING LOOP TO REMAIN	-	353	-
		8C	12	PB6	EXISTING LOOP TO REMAIN	6'X20'	3	EXISTING LOOP TO REMAIN	-	353	-
		8C	13	PB6	EXISTING LOOP TO REMAIN	6'X20'	3	EXISTING LOOP TO REMAIN	-	353	-
		8C	14	PB6	EXISTING LOOP TO REMAIN	6'X20'	3	EXISTING LOOP TO REMAIN	-	353	-
		8C	61	PB20	EXISTING LOOP TO REMAIN	6'X6'	6	EXISTING LOOP TO REMAIN	-	484	-
		8C	62	PB20	EXISTING LOOP TO REMAIN	6'X6'	6	EXISTING LOOP TO REMAIN	-	484	-
		8C	63	PB20	EXISTING LOOP TO REMAIN	6'X6'	6	EXISTING LOOP TO REMAIN	-	484	-
								SUBTOTAL	--	2,864	--
								TOTAL	1,330	8,647	5,091

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL LOCATIONS ARE OFF STH 31 ALIGNMENT. LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

STH 31 & STH 11
S51-0070

STH 31 & STH 20
S51-0095

TEMP SIGNALS

CATEGORY	INTERSECTION	STAGE	661.0201.200 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS STH 11 EACH	661.0201.207 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS STH 20 EACH	677.0200* INSTALL CAMERA ASSEMBLY EACH
0040	STH 11	1	1	0	1
		SUBTOTAL	1	0	1
0040	STH 20	6	0	1	1
		SUBTOTAL	0	1	1
		TOTAL	1	1	2

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

TRAFFIC SIGNAL REMOVALS

CATEGORY	INTERSECTION	STAGE	SIGNAL BASE NO.	204.9060.S.200 REMOVING TRAFFIC SIGNAL STH 31 & STH 11 EACH	204.9060.S.207 REMOVING TRAFFIC SIGNAL STH 31 & STH 20 EACH	204.9060.S.208 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE STH 31 & STH 11 EACH	204.9060.S.214 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE STH 31 & STH 20 EACH	204.0195* REMOVING CONCRETE BASES EACH
0040	STH 11	1	-	1	0	1	0	-
			SB19	-	-	-	-	1
			SB20	-	-	-	-	1
		SUBTOTAL		1	0	1	0	2
0040	STH 20	6	-	0	1	0	1	-
		SUBTOTAL		0	1	0	1	-
		TOTAL		1	1	1	1	2

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

CONDUIT

CATEGORY	INTERSECTION	STAGE	FROM	TO	652.0615* CONDUIT SPECIAL 3-INCH LF	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0040	STH 11	5A	PB31	PB29	116	-	-
		5A	PB29	PB27	112	-	-
		5A	PB 29	PB30	-	-	20
		5A	PB30	SB19	-	20	-
		5A	PB29	SB20	-	137	-
				SUBTOTAL	228	157	20
0040	STH 20	8C	PB2	PB3	152	-	-
		8C	PB3	PB4	116	-	-
		8C	PB3	PB17	-	27	-
		8C	PB17	PB18	-	147	-
				SUBTOTAL	268	174	0
				TOTAL	496	331	20

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

PULL BOXES

CATEGORY	INTERSECTION	STAGE	PULL BOX NO.	LOCATION***	653.0900 ADJUSTING PULL BOXES EACH	653.0140* PULL BOXES STEEL 24X42-INCH EACH	653.0135* PULL BOXES STEEL 24X36-INCH EACH	653.0905* REMOVING PULL BOXES EACH	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
0040	STH 11	5A	PB28	123+19.01, 62.98' LT	1	-	-	-	-
		5A	PB29	121+39.62, 9.38' RT	-	1	-	-	-
		1	PB30	121+15.76, 9.19' RT	-	-	-	1	-
		1	PB29	121+39.62, 9.38' RT	-	-	-	1	-
		5A	PB27	121+47.09, 65.51' LT	-	-	-	-	1
		5A	PB31	121+38.42, 66.77' RT	-	-	-	-	1
		5A	PB30	121+15.76, 9.19' RT	-	-	1	-	-
				SUBTOTAL	1	1	1	2	2
0040	STH 20	10A	PB3	200+23.12, 9.84' LT	-	1	-	-	-
		6	PB17	199+92.95, 10.00' LT	-	-	-	1	-
		6	PB18	198+42.84, 10.68' LT	-	-	-	1	-
		6	PB3	200+23.12, 9.84' LT	-	-	-	1	-
		8C	PB2	200+23.40, 63.82' RT	-	-	-	-	1
		8C	PB4	200+32.37, 65.90' LT	-	-	-	-	1
		10A	PB17	199+92.95, 10.00' LT	-	-	1	-	-
		10A	PB18	198+42.84, 10.68' LT	-	-	1	-	-
				SUBTOTAL	0	1	2	3	2
				TOTAL	1	2	3	5	4

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL LOCATIONS ARE OFF STH 31 ALIGNMENT

STH 31 & STH 11
S51-0070

STH 31 & STH 20
S51-0095

TEMP BARRIER

CATEGORY	INTERSECTION	STAGE	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF
0040	STH 20	6	27	27
		SUBTOTAL	27	27
		TOTAL	27	27

REMOVE, SALVAGE, AND REINSTALL

CATEGORY	INTERSECTION	STAGE	SPV.0060.250 REMOVE, SALVAGE, & REINSTALL TRAFFIC SIG AND LIGHTING EQUIP STH 31 & STH 11 EACH
0040	STH 11	1	1
		SUBTOTAL	1
0040	STH 20	6	0
		SUBTOTAL	0
		TOTAL	1

TEMPORARY EVP SYSTEM

CATEGORY	INTERSECTION	STAGE	SPV.0060.252 TEMPORARY INFRARED EVP SYSTEM STH 31 & STH 11 EACH	SPV.0060.253 TEMPORARY INFRARED EVP SYSTEM STH 31 & STH 20 EACH
0040	STH 11	1	1	0
		SUBTOTAL	1	0
0040	STH 20	6	0	1
		SUBTOTAL	0	1
		TOTAL	1	1

AUDIBLE PEDESTRIAN SYSTEM

CATEGORY	INTERSECTION	STAGE	SPV.0060.242 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM STH 31 & STH 11 EACH	SPV.0060.249 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM STH 31 & STH 20 EACH
0040	STH 11	1	1	0
		SUBTOTAL	1	0
0040	STH 20	6	0	1
		SUBTOTAL	0	1
		TOTAL	1	1

TRAFFIC SIGNAL CABLE AND WIRE

CATEGORY	INTERSECTION	STAGE	FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF
0040	STH 11	5A	CB1	SB13	-	535	-
		5A	CB1	SB15	459	-	-
		5A	CB1	SB17	370	-	-
		5A	CB1	SB18	-	363	-
		5A	CB1	SB19	-	196	-
		5A	CB1	SB20	-	-	291
		5A	SB20	SB19	-	-	228
		5A	SB19	SB16	-	-	276
		5A	SB16	SB14	-	-	333
		5A	SB14	SB13	-	-	204
				SUBTOTAL	829	1094	1332
0040	STH 20	8C	CB1	SB4	-	361	-
		8C	CB1	SB5	-	356	-
		8C	SB3	SB6	-	-	323
				SUBTOTAL	0	717	323
				TOTAL	829	1811	1655

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

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TRAFFIC SIGNAL CABLE AND WIRE

CATEGORY	INTERSECTION	STAGE	SIGNAL BASE NO.	LOCATION***	SIGNAL HEAD NO.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF	654.0102* CONCRETE BASES TYPE 2 EACH	654.0105 CONCRETE BASES TYPE 5 EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH
0040	STH 11	5A	SB19	-	7	15	-	-	-	-
		5A	SB19	-	12	15	-	-	-	-
		5A	SB19	120+96.26, 8.97' RT	-	-	1	-	1	-
		5A	SB20	122+77.82, 9.47' RT	-	-	-	1	1	-
		5A	SB6	-	-	-	-	-	-	1
		5A	SB7	-	-	-	-	-	-	1
		5A	SB11	-	-	-	-	-	-	1
		5A	SB12	-	-	-	-	-	-	1
		5A	SB17	-	-	-	-	-	-	1
		5A	SB18	-	-	-	-	-	-	1
		5A	SB21	-	-	-	-	-	-	1
		5A	SB22	-	-	-	-	-	-	1
					SUBTOTAL	30	1	1	2	8
0040	STH 20	8C	SB1	-	-	-	-	-	-	1
		8C	SB2	-	-	-	-	-	-	1
		8C	SB4	-	-	-	-	-	-	1
		8C	SB5	-	-	-	-	-	-	1
		8C	SB7	-	-	-	-	-	-	1
		8C	SB8	-	-	-	-	-	-	1
		8C	SB11	-	-	-	-	-	-	1
		8C	SB12	-	-	-	-	-	-	1
					SUBTOTAL	0	0	0	0	8
					TOTAL	30	1	1	2	16

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL LOCATIONS ARE OFF STH 31 ALIGNMENT

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STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
1	POLES TYPE 10
2	POLES TYPE 9 SPECIAL
1	POLES TYPE 10 SPECIAL
1	MONOTUBE ARMS 25-FT
1	MONOTUBE ARMS 35-FT SPECIAL
1	MONOTUBE ARMS 40-FT SPECIAL
1	MONOTUBE ARMS 45-FT SPECIAL
2	LUMINAIRE ARMS 15-FT
4	EVP DETECTOR HEADS W/CONFIRMATION LIGHTS
10	ACCESSIBLE PEDESTRIAN PUSH BUTTON
1	COHU CAMERA

TRAFFIC SIGNAL REMOVALS

LOCATION		204.9060.S.201 REMOVING TRAFFIC SIGNALS EACH	204.9060.S.209 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE EACH
STH 31 & TIMBER DR		1	1
	TOTAL	1	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	* 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
LUMINAIRES, UTILITY, LED C	3
TRAFFIC SIGNAL, THREE SECTION	6
TRAFFIC SIGNAL, FIVE SECTION	8
HIGH PRESSURE SODIUM LAMP	3
BALLASTS	3
TOTAL	23

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.		* 204.0195 REMOVING CONCRETE BASES EACH
SB1		1
SB2		1
SB3		1
SB4		1
SB5		1
SB6		1
SB7		1
SB8		1
SB9		1
SB10		1
SB11		1
SB12		1
SB13		1
CB1		1
	TOTAL	14

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PULL BOXES

PULL BOX NO.		* 653.0905 REMOVING PULL BOXES EACH
PB1		1
PB2		1
PB3		1
PB4		1
PB5		1
PB6		1
PB7		1
PB8		1
PB9		1
PB10		1
PB11		1
PB12		1
PB13		1
PB14		1
	TOTAL	14

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

SIGNAL BASE NO.		LUMINAIRES, UTILITY, LED C EACH	TRAFFIC SIGNAL, THREE SECTION EACH	TRAFFIC SIGNAL, FIVE SECTION EACH	HIGH PRESSURE SODIUM LAMP EACH	BALLASTS EACH
SB1		--	1	--	--	--
SB2		--	--	2	--	--
SB3		2	--	--	--	--
SB4		--	1	--	--	--
SB5		--	1	1	--	--
SB6		--	--	1	1	1
SB7		--	1	--	--	--
SB8		--	--	2	--	--
SB9		1	--	--	1	1
SB10		--	1	--	--	--
SB11		--	--	1	--	--
SB12		--	1	--	--	--
SB13		--	--	1	1	1
	TOTAL	3	6	8	3	3

SHEET 1 OF 7

3

CONDUIT

FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	* 652.0615 CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	105	--
CB1	PB17	--	57	--
PB1	SB1	4	--	--
PB1	PB2	35	--	--
PB1	PB3	--	--	176
PB3	SB2	--	17	--
PB3	SB3	9	--	--
PB3	PB4	--	72	--
PB4	SB4	17	--	--
PB4	PB5	234	--	--
PB4	PB6	--	--	92
PB6	SB5	16	--	--
PB6	PB7	--	--	40
PB7	SB6	10	--	--
PB7	PB8	--	--	96
PB8	SB7	--	11	--
PB8	SB8	6	--	--
PB8	PB9	--	56	--
PB9	SB9	5	--	--
PB9	PB10	24	--	--
PB9	PB11	--	--	162
PB11	SB10	--	15	--
PB11	PB12	175	--	--
PB11	SB11	9	--	--
PB11	PB13	--	78	--
PB13	SB12	11	--	--
PB13	PB14	241	--	--
PB13	PB15	--	--	94
PB15	SB13	9	--	--
PB15	PB16	--	--	40
PB16	SB14	12	--	--
PB16	PB17	--	--	92
PB17	SB15	--	9	--
PB17	SB16	10	--	--
	TOTAL	827	420	792

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	* 652.0800 CONDUIT LOOP DETECTOR L.F.	* 655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	* 655.0800 LOOP DETECTOR WIRE L.F.
11	PB6	STA 125+57; 0'	6x20	3	CONCRETE	84	256	196
12	PB6	STA 125+85; 0'	6x20	3	CONCRETE	72	256	184
21	PB14	STA 129+48; 41' LT	6x6	5	CONCRETE	46	407	150
22	PB14	STA 129+48; 30' LT	6x6	5	CONCRETE	68	407	172
23	PB14	STA 129+48; 20' LT	6x6	5	CONCRETE	88	407	192
41	PB12	STA 126+25; 250' LT	6x6	5	ASPHALT	116	379	220
42	PB10	STA 126+14; 98' LT	6x20	3	CONCRETE	72	307	184
43	PB10	STA 126+14; 70' LT	6x20	3	CONCRETE	70	307	182
44	PB10	STA 126+25; 98' LT	6x20	3	CONCRETE	92	307	204
45	PB10	STA 126+25; 70' LT	6x20	3	CONCRETE	90	307	202
51	PB15	STA 127+27; 0'	6x20	3	CONCRETE	94	111	206
52	PB15	STA 126+99; 0'	6x20	3	CONCRETE	76	111	188
61	PB5	STA 123+39; 41' RT	6x6	5	CONCRETE	46	429	150
62	PB5	STA 123+39; 30' RT	6x6	5	CONCRETE	70	429	174
63	PB5	STA 123+39; 19' RT	6x6	5	CONCRETE	90	429	194
71	PB10	STA 126+36; 98' LT	6x20	3	CONCRETE	114	307	226
72	PB10	STA 126+36; 70' LT	6x20	3	CONCRETE	112	307	224
81	PB2	STA 126+64; 94' RT	6x20	3	CONCRETE	70	96	182
82	PB2	STA 126+66; 65' RT	6x20	3	CONCRETE	66	96	178
83	PB2	STA 126+53; 92' RT	6x20	3	CONCRETE	88	96	200
84	PB2	STA 126+54; 65' RT	6x20	3	CONCRETE	88	96	200
					TOTAL	1712	5847	4008

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
SDD INSTALLATION REFERENCE: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

3

PULL BOXES

PULL BOX NO.	LOCATION ^	* 653.0135 PULL BOXES STEEL 24x36-INCH EACH	* 653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	126+95.3, 66.6'RT	--	1
PB2	126+73.3, 89.3'RT	1	--
PB3	126+04.4, 67.5'RT	--	1
PB4	125+71.8, 55.7'RT	--	1
PB5	123+38.5, 54.8'RT	1	--
PB6	125+71.5, 10.0'RT	--	1
PB7	125+71.2, 9.8'LT	--	1
PB8	125+69.6, 57.8'LT	--	1
PB9	125+93.4, 72.5'LT	--	1
PB10	126+03.7, 92.9'LT	1	--
PB11	126+73.8, 74.1'LT	--	1
PB12	126+73.6, 248.4'LT	1	--
PB13	127+07.8, 56.8'LT	--	1
PB14	129+47.9, 54.6'LT	1	--
PB15	127+08.0, 10.1'LT	--	1
PB16	127+09.5, 9.6'RT	--	1
PB17	127+08.1, 55.0'RT	--	1
	TOTAL	5	12

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (UNDERGROUND)

FROM	TO	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	* 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	* 655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	* 655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1	--	--	80	--
CB1	SB2	--	200	--	200
CB1	SB3	192	--	--	--
CB1	SB4	--	--	252	--
CB1	SB5	--	314	--	--
CB1	SB6	344	--	--	--
CB1	SB7	--	410	--	--
CB1	SB8	405	--	--	--
CB1	SB9	--	--	381	--
CB1	SB10	--	293	--	--
CB1	SB11	286	--	--	--
CB1	SB12	--	--	233	--
CB1	SB13	--	167	--	--
CB1	SB14	134	--	--	134
CB1	SB15	--	68	--	--
CB1	SB16	69	--	--	--
SB2	SB6	--	--	--	211
SB14	SB10	--	--	--	215
	TOTAL	1430	1452	946	760

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^	* 654.0101 CONCRETE BASES TYPE 1 EACH	* 654.0102 CONCRETE BASES TYPE 2 EACH	* 654.0110 CONCRETE BASES TYPE 10 EACH	* 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	* 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
SB1	126+90.6, 65.0'RT	1	--	--	--	--
SB2	126+05.8, 83.8'RT	--	--	--	1	--
SB3	125+95.9, 65.0'RT	1	--	--	--	--
SB4	125+89.2, 58.1'RT	1	--	--	--	--
SB5	125+87.6, 10.1'RT	1	--	--	--	--
SB6	125+61.5, 10.0'LT	--	1	--	--	--
SB7	125+59.5, 60.1'LT	--	--	--	1	--
SB8	125+74.4, 63.3'LT	1	--	--	--	--
SB9	125+86.6, 70.6'LT	1	--	--	--	--
SB10	126+72, 88.3'LT	--	--	1	--	--
SB11	126+81.2, 71.0'LT	1	--	--	--	--
SB12	126+97.3, 62.2'LT	1	--	--	--	--
SB13	126+98.8, 9.8'LT	1	--	--	--	--
SB14	127+20.8, 10.0'RT	--	1	--	--	--
SB15	127+16.1, 54.6'RT	--	--	--	1	--
SB16	126+97.9, 58.1'RT	1	--	--	--	--
CB1	127+26.3, 56.9'RT	--	--	--	--	1
	TOTAL	10	2	1	3	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE (GROUNDING)

FROM	TO	* 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	80
SB1	SB2	160
SB2	SB3	59
SB3	SB4	111
SB4	SB5	129
SB5	SB6	95
SB6	SB7	118
SB7	SB8	49
SB8	SB9	88
SB9	SB10	151
SB10	SB11	57
SB11	SB12	108
SB12	SB13	116
SB13	SB14	90
SB14	SB15	116
SB15	SB16	52
SB16	CB1	69
PB1	SB1	28
PB3	SB2	41
PB4	SB4	41
PB6	SB5	40
PB7	SB6	34
PB8	SB7	35
PB9	SB9	29
PB11	SB10	39
PB13	SB12	35
PB15	SB13	33
PB16	SB14	36
PB17	SB15	33
	TOTAL	2072

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (ABOVE GROUND)

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 15	--	22
SB1	HEAD 22	--	22
SB1	HEAD 28	15	--
SB2	HEAD 20	61	--
SB2	HEAD 21	--	23
SB2	HEAD 23	--	62
SB3	HEAD 29	15	--
SB4	HEAD 1	19	--
SB4	HEAD 13	--	22
SB4	HEAD 30	15	--
SB5	HEAD 14	--	22
SB6	HEAD 5	--	22
SB7	HEAD 9	71	--
SB7	HEAD 10	71	--
SB7	HEAD 11	71	--
SB8	HEAD 31	15	--
SB9	HEAD 16	19	--
SB9	HEAD 19	--	23
SB9	HEAD 24	15	--
SB10	HEAD 17	51	--
SB10	HEAD 18	--	23
SB11	HEAD 25	15	--
SB12	HEAD 6	--	22
SB12	HEAD 8	19	--
SB12	HEAD 26	15	--
SB13	HEAD 7	--	22
SB14	HEAD 12	--	22
SB15	HEAD 2	66	--
SB15	HEAD 3	66	--
SB15	HEAD 4	66	--
SB16	HEAD 27	15	--
	TOTAL	700	307

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (LIGHTING)

FROM	TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB2	LUMINAIRE	145
SB6	LUMINAIRE (2)	234
SB10	LUMINAIRE	145
SB14	LUMINAIRE (2)	234
	TOTAL	758

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	* 655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB7 (HEAD A)	407
CB1	SB15 (HEAD B)	137
CB1	SB2 (HEAD C)	248
CB1	SB10 (HEAD D)	284
	TOTAL	1076

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION ^	656.0201.201 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 31 & TIMBER DR	1
TOTAL	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	* 657.0100 PEDESTAL BASES EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	* 657.0310 POLES TYPE 3 EACH	* 657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	* 657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	* 657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	1	--	--	1	--
SB3	1	--	--	--	1	--	1	--
SB4	1	--	--	1	--	--	1	--
SB5	1	--	--	1	--	--	1	--
SB6	--	1	1	--	--	2	--	2
SB8	1	--	--	--	1	--	1	--
SB9	1	--	--	1	--	--	1	--
SB11	1	--	--	--	1	--	1	--
SB12	1	--	--	1	--	--	1	--
SB13	1	--	--	1	--	--	1	--
SB14	--	1	1	--	--	2	--	2
SB16	1	--	--	--	1	--	1	--
TOTAL	10	2	2	6	4	4	10	4

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	* SPV.0060.200 INSTALL POLES TYPE 9 SPECIAL EACH	* SPV.0060.201 INSTALL POLES TYPE 10 EACH	* SPV.0060.202 INSTALL POLES TYPE 10 SPECIAL EACH	* SPV.0060.204 INSTALL MONOTUBE ARMS 25-FT EACH	* SPV.0060.206 INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	* SPV.0060.207 INSTALL MONOTUBE ARMS 40-FT SPECIAL EACH	* SPV.0060.208 INSTALL MONOTUBE ARMS 45-FT SPECIAL EACH	* SPV.0060.209 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB2	--	--	1	--	1	--	--	1	1
SB7	1	--	--	--	--	--	1	--	--
SB10	--	1	--	1	--	--	--	1	1
SB15	1	--	--	--	--	1	--	--	--
TOTAL	2	1	1	1	1	1	1	2	2

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	* 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	* 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	* 658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	* 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB4	1	--	--	--
2	SB15	1	--	--	--
3	SB15	1	--	--	--
4	SB15	1	--	--	--
5	SB6	--	1	--	--
6	SB12	--	1	--	--
7	SB13	--	1	--	--
8	SB12	1	--	--	--
9	SB7	1	--	--	--
10	SB7	1	--	--	--
11	SB7	1	--	--	--
12	SB14	--	1	--	--
13	SB4	--	1	--	--
14	SB5	--	1	--	--
15	SB1	--	--	1	--
16	SB9	1	--	--	--
17	SB10	1	--	--	--
18	SB10	--	--	1	--
19	SB9	--	--	1	--
20	SB2	1	--	--	--
21	SB2	--	--	1	--
22	SB1	--	1	--	--
23	SB2	--	1	--	--
24	SB9	--	--	--	1
25	SB11	--	--	--	1
26	SB12	--	--	--	1
27	SB16	--	--	--	1
28	SB1	--	--	--	1
29	SB3	--	--	--	1
30	SB4	--	--	--	1
31	SB8	--	--	--	1
	TOTAL	11	8	4	8

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY

SIGNAL HEAD NO.	SIGNAL BASE NO.	PEDESTRIAN SIGNAL FACE 16-INCH EACH	LED MODULES 12-INCH RED BALL EACH	LED MODULES 12-INCH YELLOW BALL EACH	LED MODULES 12-INCH GREEN BALL EACH	LED MODULES 12-INCH RED ARROW EACH	LED MODULES 12-INCH YELLOW ARROW EACH	LED MODULES 12-INCH GREEN ARROW EACH
1	SB4	--	1	1	1	--	--	--
2	SB15	--	1	1	1	--	--	--
3	SB15	--	1	1	1	--	--	--
4	SB15	--	1	1	1	--	--	--
5	SB6	--	--	--	--	1	2	1
6	SB12	--	--	--	--	1	2	1
7	SB13	--	--	--	--	1	2	1
8	SB12	--	1	1	1	--	--	--
9	SB7	--	1	1	1	--	--	--
10	SB7	--	1	1	1	--	--	--
11	SB7	--	1	1	1	--	--	--
12	SB14	--	--	--	--	1	2	1
13	SB4	--	--	--	--	1	2	1
14	SB5	--	--	--	--	1	2	1
15	SB1	--	1	1	1	--	1	1
16	SB9	--	1	1	1	--	--	--
17	SB10	--	1	1	1	--	--	--
18	SB10	--	1	1	1	--	1	1
19	SB9	--	1	1	1	--	1	1
20	SB2	--	1	1	1	--	--	--
21	SB2	--	1	1	1	--	1	1
22	SB1	--	--	--	--	1	2	1
23	SB2	--	--	--	--	1	2	1
24	SB9	1	--	--	--	--	--	--
25	SB11	1	--	--	--	--	--	--
26	SB12	1	--	--	--	--	--	--
27	SB16	1	--	--	--	--	--	--
28	SB1	1	--	--	--	--	--	--
29	SB3	1	--	--	--	--	--	--
30	SB4	1	--	--	--	--	--	--
31	SB8	1	--	--	--	--	--	--
	TOTAL	8	15	15	15	8	20	12

3

3

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.201 SIGNAL MOUNTING HARDWARE EACH
STH 31 & TIMBER DR	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0201.201 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	* 661.0300 GENERATORS DAY	* 677.0200 INSTALL CAMERA ASSEMBLY EACH
STH 31 & TIMBER DR	1	1	1
TOTAL	1	1	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRANSPORT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0060.210 TRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH
STH 31 & TIMBER DR	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.216 TRNSPT AND INSTALL STATE FURN SIG CABINET EACH
STH 31 & TIMBER DR	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED EVP DETECTOR HEADS

LOCATION	SPV.0060.222 TRNSPT & INSTALL STATE FURN EVP DETECT HEADS EACH
STH 31 & TIMBER DR	1
TOTAL	1

TEMPORARY INFRARED EVP SYSTEM

LOCATION	SPV.0060.229 TEMPORARY INFRARED EVP SYSTEM EACH
STH 31 & TIMBER DR	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED AUDIBLE PEDESTRIAN SYSTEM

LOCATION	SPV.0060.243 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM EACH
STH 31 & TIMBER DR	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
2	POLES TYPE 9 SPECIAL
2	POLES TYPE 10
1	MONOTUBE ARMS 20-FT
1	MONOTUBE ARMS 30-FT
2	MONOTUBE ARMS 40-FT SPECIAL
2	LUMINAIRE ARMS 15-FT
4	EVP DETECTOR HEADS W/CONFIRMATION LIGHTS
10	ACCESSIBLE PEDESTRIAN PUSH BUTTON
1	COHU CAMERA

TRAFFIC SIGNAL REMOVALS

LOCATION	204.9060.S.202 REMOVING TRAFFIC SIGNALS EACH	204.9060.S.210 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE EACH
STH 31 & REGENCY WEST DR	1	1
TOTAL	1	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	* 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	6
TRAFFIC SIGNAL, FIVE SECTION	8
HIGH PRESSURE SODIUM LAMP	6
BALLASTS	6
TOTAL	26

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	* 204.0195 REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
CB1	1
TOTAL	14

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PULL BOXES

PULL BOX NO.	* 653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
TOTAL	13

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

SIGNAL BASE NO.	TRAFFIC SIGNAL, THREE SECTION EACH	TRAFFIC SIGNAL, FIVE SECTION EACH	HIGH PRESSURE SODIUM LAMP EACH	BALLASTS EACH
SB1	1	--	--	--
SB2	--	2	--	--
SB3	--	--	2	2
SB4	1	--	--	--
SB5	1	1	--	--
SB6	--	1	1	1
SB7	1	--	--	--
SB8	--	2	--	--
SB9	--	--	2	2
SB10	1	--	--	--
SB11	--	1	--	--
SB12	1	--	--	--
SB13	--	1	1	1
TOTAL	6	8	6	6

3

CONDUIT

FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	* 652.0615 CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	42	--
CB1	PB19	--	36	--
PB1	SB1	13	--	--
PB1	PB2	--	58	--
PB2	PB3	13	--	--
PB3	PB4	157	--	--
PB2	PB5	--	--	120
PB5	SB2	--	6	--
PB5	SB3	20	--	--
PB5	PB6	--	96	--
PB6	SB4	10	--	--
PB6	PB7	241	--	--
PB6	PB8	--	--	90
PB8	SB5	11	--	--
PB8	PB9	--	--	40
PB9	SB6	10	--	--
PB9	PB10	--	--	92
PB10	SB7	--	8	--
PB10	SB8	9	--	--
PB10	PB11	--	74	--
PB11	SB9	15	--	--
PB11	PB12	8	--	--
PB11	PB13	--	--	72
PB13	PB14	--	--	78
PB14	SB10	--	15	--
PB14	PB15	--	76	--
PB15	SB11	26	--	--
PB15	SB12	16	--	--
PB15	PB16	235	--	--
PB15	PB17	--	--	90
PB17	SB13	12	--	--
PB17	PB18	--	--	40
PB18	SB14	9	--	--
PB18	PB19	--	--	94
PB19	SB15	--	9	--
PB19	SB16	8	--	--
	TOTAL	784	411	582

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	* 652.0800 CONDUIT LOOP DETECTOR L.F.	* 655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	* 655.0800 LOOP DETECTOR WIRE L.F.
11	PB18	STA 134+05; 1' RT	6x20	3	CONCRETE	88	84	200
12	PB18	STA 134+33; 1' RT	6x20	3	CONCRETE	80	84	192
21	PB7	STA 138+01; 39' LT	6x6	5	CONCRETE	48	427	152
22	PB7	STA 138+01; 28' LT	6x6	5	CONCRETE	70	427	174
23	PB7	STA 138+01; 17' LT	6x6	5	CONCRETE	92	427	196
41	PB4	STA 134+90; 241' LT	6x6	4	ASPHALT	44	242	124
42	PB3	STA 134+73; 93' LT	6x20	3	CONCRETE	68	81	180
43	PB3	STA 134+72; 65' LT	6x20	3	CONCRETE	72	81	184
51	PB8	STA 135+77; 0'	6x20	3	CONCRETE	90	225	202
52	PB8	STA 135+49; 0'	6x20	3	CONCRETE	78	225	190
61	PB16	STA 131+85; 41' RT	6x6	5	CONCRETE	48	392	152
62	PB16	STA 131+85; 30' RT	6x6	5	CONCRETE	70	392	174
63	PB16	STA 131+85; 19' RT	6x6	5	CONCRETE	92	392	196
71	PB3	STA 134+85; 94' LT	6x20	3	CONCRETE	90	81	202
72	PB3	STA 134+85; 65' LT	6x20	3	CONCRETE	92	81	204
81	PB12	STA 135+15; 92' RT	6x20	3	CONCRETE	80	275	192
82	PB12	STA 135+12; 65' RT	6x20	3	CONCRETE	72	275	184
83	PB12	STA 135+03; 95' RT	6x20	3	CONCRETE	100	275	212
84	PB12	STA 135+01; 66' RT	6x20	3	CONCRETE	92	275	204
					TOTAL	1466	4741	3514

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
SDD INSTALLATION REFERENCE: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

3

PULL BOXES

PULL BOX NO.	LOCATION ^		* 653.0135 PULL BOXES STEEL 24x36-INCH EACH	* 653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	134+39.0, 66.6'LT		--	1
PB2	134+61.4, 78.3'LT		--	1
PB3	134+62.5, 90.5'LT		1	--
PB4	134+78.9, 245.7'LT		1	--
PB5	135+20.9, 79.1'LT		--	1
PB6	135+61.0, 54.1'LT		--	1
PB7	138+01.4, 53.6'LT		1	--
PB8	135+60.5, 9.5'LT		--	1
PB9	135+61.1, 10.1'RT		--	1
PB10	135+57.3, 55.0'RT		--	1
PB11	135+25.9, 73.7'RT		--	1
PB12	135+24.9, 80.7'RT		1	--
PB13	134+90.1, 75.6'RT		--	1
PB14	134+52.0, 74.3'RT		--	1
PB15	134+19.4, 55.5'RT		--	1
PB16	131+84.6, 55.4'RT		1	--
PB17	134+20.8, 10.6'RT		--	1
PB18	134+21.5, 8.9'LT		--	1
PB19	134+27.4, 54.7'LT		--	1
		TOTAL	5	14

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^		* 654.0101 CONCRETE BASES TYPE 1 EACH	* 654.0102 CONCRETE BASES TYPE 2 EACH	* 654.0110 CONCRETE BASES TYPE 10 EACH	* 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	* 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
SB1	134+51.5, 64.3'LT		1	--	--	--	--
SB2	135+20.0, 84.4'LT		--	--	1	--	--
SB3	135+37.3, 64.3'LT		1	--	--	--	--
SB4	135+50.0, 57.4'LT		1	--	--	--	--
SB5	135+49.4, 9.3'LT		1	--	--	--	--
SB6	135+70.3, 11.0'RT		--	1	--	--	--
SB7	135+64.3, 56.0'RT		--	--	--	1	--
SB8	135+47.7, 58.8'RT		1	--	--	--	--
SB9	135+39.8, 65.5'RT		1	--	--	--	--
SB10	134+54.8, 88.1'RT		--	--	1	--	--
SB11	134+42.8, 65.5'RT		1	--	--	--	--
SB12	134+35.4, 58.6'RT		1	--	--	--	--
SB13	134+33.6, 10.4'RT		1	--	--	--	--
SB14	134+13.5, 9.5'LT		--	1	--	--	--
SB15	134+18.7, 54.3'LT		--	--	--	1	--
SB16	134+35.4, 57.6'LT		1	--	--	--	--
CB1	134+25.5, 65.9'LT		--	--	--	--	1
		TOTAL	10	2	2	2	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (UNDERGROUND)

FROM	TO		* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	* 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	* 655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	* 655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1		--	67	--	--
CB1	SB2		--	182	--	182
CB1	SB3		197	--	--	--
CB1	SB4		--	--	251	--
CB1	SB5		--	314	--	--
CB1	SB6		349	--	--	--
CB1	SB7		--	410	--	--
CB1	SB8		411	--	--	--
CB1	SB9		--	--	391	--
CB1	SB10		--	283	--	--
CB1	SB11		240	--	--	--
CB1	SB12		--	--	230	--
CB1	SB13		--	164	--	--
CB1	SB14		125	--	--	125
CB1	SB15		--	61	--	--
CB1	SB16		60	--	--	--
SB2	SB6		--	--	--	211
SB14	SB10		--	--	--	209
		TOTAL	1382	1481	872	727

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

TRAFFIC SIGNAL CABLE AND WIRE (GROUNDING)

FROM	TO	* 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	67
SB1	SB2	174
SB2	SB3	59
SB3	SB4	128
SB4	SB5	115
SB5	SB6	90
SB6	SB7	113
SB7	SB8	49
SB8	SB9	110
SB9	SB10	171
SB10	SB11	129
SB11	SB12	75
SB12	SB13	123
SB13	SB14	90
SB14	SB15	114
SB15	SB16	49
SB16	CB1	60
PB1	CB1	45
PB2	SB1	82
PB5	SB2	30
PB6	SB4	34
PB8	SB5	35
PB9	SB6	34
PB10	SB7	32
PB11	SB9	39
PB13	SB10	95
PB14	SB10	39
PB15	SB12	40
PB17	SB13	36
PB18	SB14	33
PB19	SB15	33
	TOTAL	2323

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (ABOVE GROUND)

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 16	19	--
SB1	HEAD 19	19	--
SB1	HEAD 24	15	--
SB2	HEAD 17	46	--
SB2	HEAD 18	--	23
SB3	HEAD 25	15	--
SB4	HEAD 6	--	22
SB4	HEAD 8	19	--
SB4	HEAD 26	15	--
SB5	HEAD 7	--	22
SB6	HEAD 12	--	22
SB7	HEAD 2	66	--
SB7	HEAD 3	66	--
SB7	HEAD 4	66	--
SB8	HEAD 27	15	--
SB9	HEAD 15	--	23
SB9	HEAD 22	--	22
SB9	HEAD 28	15	--
SB10	HEAD 20	56	--
SB10	HEAD 21	19	--
SB10	HEAD 23	--	57
SB11	HEAD 29	15	--
SB12	HEAD 1	19	--
SB12	HEAD 13	--	22
SB12	HEAD 30	15	--
SB13	HEAD 14	--	22
SB14	HEAD 5	--	22
SB15	HEAD 9	66	--
SB15	HEAD 10	66	--
SB15	HEAD 11	66	--
SB16	HEAD 31	15	--
	TOTAL	713	257

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (LIGHTING)

FROM	TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB2	LUMINAIRE	145
SB6	LUMINAIRE (2)	234
SB10	LUMINAIRE	145
SB14	LUMINAIRE (2)	234
	TOTAL	758

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	* 655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB15 (HEAD A)	130
CB1	SB7 (HEAD B)	386
CB1	SB10 (HEAD C)	280
CB1	SB2 (HEAD D)	200
	TOTAL	996

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION ^	656.0201.202 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 31 & REGENCY WEST DR	1
TOTAL	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	* 657.0100 PEDESTAL BASES EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	* 657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	* 657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	* 657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	* 657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	1	--	--	--	1	--
SB3	1	--	--	--	--	1	--	1	--
SB4	1	--	--	--	1	--	--	1	--
SB5	1	--	--	--	1	--	--	1	--
SB6	--	1	1	--	--	--	2	--	2
SB8	1	--	--	--	--	1	--	1	--
SB9	1	--	--	--	1	--	--	1	--
SB11	1	--	--	--	--	1	--	1	--
SB12	1	--	--	--	1	--	--	1	--
SB13	1	--	--	--	1	--	--	1	--
SB14	--	1	1	--	--	--	2	--	2
SB16	1	--	--	--	--	1	--	1	--
TOTAL	10	2	2	1	5	4	4	10	4

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	* SPV.0060.200 INSTALL POLES TYPE 9 SPECIAL EACH	* SPV.0060.201 INSTALL POLES TYPE 10 EACH	SPV.0060.203 INSTALL MONOTUBE ARMS 20-FT EACH	* SPV.0060.205 INSTALL MONOTUBE ARMS 30-FT EACH	* SPV.0060.207 INSTALL MONOTUBE ARMS 40-FT SPECIAL EACH	* SPV.0060.209 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB2	--	1	1	--	--	1	1
SB7	1	--	--	--	1	--	--
SB10	--	1	--	1	--	1	1
SB15	1	--	--	--	1	--	--
TOTAL	2	2	1	1	2	2	2

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	* 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	* 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	* 658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	* 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB12	1	--	--	--
2	SB7	1	--	--	--
3	SB7	1	--	--	--
4	SB7	1	--	--	--
5	SB14	--	1	--	--
6	SB4	--	1	--	--
7	SB5	--	1	--	--
8	SB4	1	--	--	--
9	SB15	1	--	--	--
10	SB15	1	--	--	--
11	SB15	1	--	--	--
12	SB6	--	1	--	--
13	SB12	--	1	--	--
14	SB13	--	1	--	--
15	SB9	--	--	1	--
16	SB1	1	--	--	--
17	SB2	1	--	--	--
18	SB2	--	--	1	--
19	SB1	1	--	--	--
20	SB10	1	--	--	--
21	SB10	1	--	--	--
22	SB9	--	1	--	--
23	SB10	--	1	--	--
24	SB1	--	--	--	1
25	SB3	--	--	--	1
26	SB4	--	--	--	1
27	SB8	--	--	--	1
28	SB9	--	--	--	1
29	SB11	--	--	--	1
30	SB12	--	--	--	1
31	SB16	--	--	--	1
	TOTAL	13	8	2	8

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY

SIGNAL HEAD NO.	SIGNAL BASE NO.	PEDESTRIAN SIGNAL FACE 16-INCH EACH	LED MODULES 12-INCH RED BALL EACH	LED MODULES 12-INCH YELLOW BALL EACH	LED MODULES 12-INCH GREEN BALL EACH	LED MODULES 12-INCH RED ARROW EACH	LED MODULES 12-INCH YELLOW ARROW EACH	LED MODULES 12-INCH GREEN ARROW EACH
1	SB12	--	1	1	1	--	--	--
2	SB7	--	1	1	1	--	--	--
3	SB7	--	1	1	1	--	--	--
4	SB7	--	1	1	1	--	--	--
5	SB14	--	--	--	--	1	2	1
6	SB4	--	--	--	--	1	2	1
7	SB5	--	--	--	--	1	2	1
8	SB4	--	1	1	1	--	--	--
9	SB15	--	1	1	1	--	--	--
10	SB15	--	1	1	1	--	--	--
11	SB15	--	1	1	1	--	--	--
12	SB6	--	--	--	--	1	2	1
13	SB12	--	--	--	--	1	2	1
14	SB13	--	--	--	--	1	2	1
15	SB9	--	1	1	1	--	1	1
16	SB1	--	1	1	1	--	--	--
17	SB2	--	1	1	1	--	--	--
18	SB2	--	1	1	1	--	1	1
19	SB1	--	1	1	1	--	--	--
20	SB10	--	1	1	1	--	--	--
21	SB10	--	1	1	1	--	--	--
22	SB9	--	--	--	--	1	2	1
23	SB10	--	--	--	--	1	2	1
24	SB1	1	--	--	--	--	--	--
25	SB3	1	--	--	--	--	--	--
26	SB4	1	--	--	--	--	--	--
27	SB8	1	--	--	--	--	--	--
28	SB9	1	--	--	--	--	--	--
29	SB11	1	--	--	--	--	--	--
30	SB12	1	--	--	--	--	--	--
31	SB16	1	--	--	--	--	--	--
	TOTAL	8	15	15	15	8	18	10

3

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.202 SIGNAL MOUNTING HARDWARE EACH
STH 31 & REGENCY WEST DR	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0201.202 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	* 661.0300 GENERATORS DAY	* 677.0200 INSTALL CAMERA ASSEMBLY EACH
STH 31 & REGENCY WEST DR	1	1	1
TOTAL	1	1	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRANSPORT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0060.211 TRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH
STH 31 & REGENCY WEST DR	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.217 TRNSPT AND INSTALL STATE FURN SIG CABINET EACH
STH 31 & REGENCY WEST DR	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED EVP DETECTOR HEADS

LOCATION	SPV.0060.223 TRNSPT & INSTALL STATE FURN EVP DETECT HEADS EACH
STH 31 & REGENCY WEST DR	1
TOTAL	1

TEMPORARY INFRARED EVP SYSTEM

LOCATION	SPV.0060.230 TEMPORARY INFRARED EVP SYSTEM EACH
STH 31 & REGENCY WEST DR	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED AUDIBLE PEDESTRIAN SYSTEM

LOCATION	SPV.0060.244 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM EACH
STH 31 & REGENCY WEST DR	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
2	POLES TYPE 9 SPECIAL
1	POLES TYPE 10
1	POLES TYPE 10 SPECIAL
1	MONOTUBE ARMS 25-FT
2	MONOTUBE ARMS 40-FT SPECIAL
1	MONOTUBE ARMS 45-FT SPECIAL
2	LUMINAIRE ARMS 15-FT
4	EVP DETECTOR HEADS W/CONFIRMATION LIGHTS
10	ACCESSIBLE PEDESTRIAN PUSH BUTTON
1	COHU CAMERA

TRAFFIC SIGNAL REMOVALS

LOCATION		204.9060.S.203 REMOVING TRAFFIC SIGNALS EACH	204.9060.S.211 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE EACH
STH 31 & HIGH RIDGE ENT		1	1
	TOTAL	1	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	* 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
LUMINAIRES, UTILITY, LED C	1
TRAFFIC SIGNAL, THREE SECTION	10
TRAFFIC SIGNAL, FIVE SECTION	4
HIGH PRESSURE SODIUM LAMP	4
BALLASTS	4
TOTAL	23

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	* 204.0195 REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
CB1	1
TOTAL	13

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PULL BOXES

PULL BOX NO.	* 653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
TOTAL	13

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

SIGNAL BASE NO.	LUMINAIRES, UTILITY, LED C EACH	TRAFFIC SIGNAL, THREE SECTION EACH	TRAFFIC SIGNAL, FIVE SECTION EACH	HIGH PRESSURE SODIUM LAMP EACH	BALLASTS EACH
SB1	--	1	--	--	--
SB2	--	--	2	--	--
SB3	1	--	--	1	1
SB4	--	1	--	--	--
SB5	--	2	--	--	--
SB6	--	1	--	1	1
SB7	--	1	--	--	--
SB8	--	--	2	--	--
SB9	--	--	--	2	2
SB10	--	1	--	--	--
SB11	--	2	--	--	--
SB12	--	1	--	--	--
TOTAL	1	10	4	4	4

3

CONDUIT

FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	* 652.0615 CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	21	--
CB1	PB17	--	18	--
PB1	SB1	5	--	--
PB1	PB2	--	106	--
PB2	SB2	15	--	--
PB2	PB3	237	--	--
PB2	PB4	--	--	88
PB4	SB3	15	--	--
PB4	PB5	--	--	42
PB5	SB4	5	--	--
PB5	PB6	--	--	90
PB6	SB5	--	6	--
PB6	SB6	17	--	--
PB6	PB7	--	80	--
PB7	SB7	9	--	--
PB7	PB8	22	--	--
PB7	PB9	--	--	174
PB9	SB8	--	26	--
PB9	SB9	11	--	--
PB9	PB10	--	80	--
PB10	SB10	14	--	--
PB10	PB11	235	--	--
PB10	PB12	--	--	94
PB12	SB11	12	--	--
PB12	PB13	--	--	40
PB13	SB12	8	--	--
PB13	PB14	--	--	92
PB14	SB13	--	7	--
PB14	SB14	6	--	--
PB14	PB15	--	82	--
PB15	SB15	19	--	--
PB15	PB16	9	--	--
PB15	PB17	--	--	146
PB17	SB16	--	5	--
	TOTAL	639	431	766

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	* 652.0800 CONDUIT LOOP DETECTOR L.F.	* 655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	* 655.0800 LOOP DETECTOR WIRE L.F.
11	PB12	STA 139+93; 2' RT	6x20	3	CONCRETE	90	194	202
12	PB12	STA 140+21; 2' RT	6x20	3	CONCRETE	76	194	188
21	PB3	STA 144+02; 36' LT	6x6	5	CONCRETE	46	329	150
22	PB3	STA 144+02; 25' LT	6x6	5	CONCRETE	68	329	172
23	PB3	STA 144+02; 15' LT	6x6	5	CONCRETE	88	329	192
31	PB8	STA 141+08; 95' RT	6x10	3	CONCRETE	80	262	168
32	PB8	STA 141+02; 68' RT	6x20	3	CONCRETE	90	262	202
41	PB16	STA 140+50; 56' LT	6x30	3	CONCRETE	88	114	240
51	PB4	STA 141+81; 3' RT	6x20	3	CONCRETE	84	130	196
52	PB4	STA 141+53; 3' RT	6x20	3	CONCRETE	72	130	184
61	PB11	STA 137+75; 42' RT	6x8	5	CONCRETE	52	505	172
62	PB11	STA 137+75; 31' RT	6x8	5	CONCRETE	74	505	194
63	PB11	STA 137+75; 21' RT	6x8	5	CONCRETE	94	505	214
71	PB16	STA 140+60; 56' LT	6x30	3	CONCRETE	110	114	262
81	PB8	STA 141+19; 96' RT	6x10	3	CONCRETE	50	262	122
82	PB8	STA 141+13; 68' RT	6x20	3	CONCRETE	70	262	182
					TOTAL	1232	4426	3040

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
SDD INSTALLATION REFERENCE: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

3

PULL BOXES

PULL BOX NO.	LOCATION ^		* 653.0135 PULL BOXES STEEL 24x36-INCH EACH	* 653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	141+17.1, 63.1'LT		--	1
PB2	141+66.7, 51.1'LT		--	1
PB3	144+02.3, 49.8'LT		1	--
PB4	141+68.2, 7.2'LT		--	1
PB5	141+68.3, 12.9'RT		--	1
PB6	141+70.9, 57.1'RT		--	1
PB7	141+33.8, 69.3'RT		--	1
PB8	141+29.0, 90.2'RT		1	--
PB9	140+46.3, 71.6'RT		--	1
PB10	140+10.2, 60.1'RT		--	1
PB11	137+74.5, 56.5'RT		1	--
PB12	140+10.9, 12.9'RT		--	1
PB13	140+9.3, 7.0'LT		--	1
PB14	140+13.2, 52.7'LT		--	1
PB15	140+39.0, 74.1'LT		--	1
PB16	140+39.7, 82.5'LT		1	--
PB17	141+11.3, 72.2'LT		--	1
		TOTAL	4	13

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^		* 654.0101 CONCRETE BASES TYPE 1 EACH	* 654.0102 CONCRETE BASES TYPE 2 EACH	* 654.0110 CONCRETE BASES TYPE 10 EACH	* 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	* 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
SB1	141+21.0, 59.9'LT		1	--	--	--	--
SB2	141+51.7, 53.0'LT		1	--	--	--	--
SB3	141+53.0, 6.7'LT		1	--	--	--	--
SB4	141+72.6, 13.3'RT		--	1	--	--	--
SB5	141+65.6, 57.5'RT		--	--	--	1	--
SB6	141+53.7, 59.3'RT		1	--	--	--	--
SB7	141+39.2, 66.1'RT		1	--	--	--	--
SB8	140+61.4, 91.6'RT		--	--	1	--	--
SB9	140+34.8, 67.7'RT		1	--	--	--	--
SB10	140+24.1, 60.5'RT		1	--	--	--	--
SB11	140+22.8, 12.6'RT		1	--	--	--	--
SB12	140+03.2, 7.4'LT		--	1	--	--	--
SB13	140+10.1, 51.7'LT		--	--	--	1	--
SB14	140+16.7, 55.5'LT		1	--	--	--	--
SB15	140+28.6, 62.3'LT		1	--	--	--	--
SB16	141+10.9, 76.2'LT		--	--	--	1	--
CB1	141+16.7, 69.6'LT		--	--	--	--	1
		TOTAL	10	2	1	3	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (UNDERGROUND)

FROM	TO		* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	* 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	* 655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	* 655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1		52	--	--	--
CB1	SB2		--	--	132	--
CB1	SB3		--	193	--	--
CB1	SB4		219	--	--	219
CB1	SB5		--	282	--	--
CB1	SB6		294	--	--	--
CB1	SB7		--	--	342	--
CB1	SB8		--	440	--	--
CB1	SB9		424	--	--	--
CB1	SB10		--	--	371	--
CB1	SB11		--	305	--	--
CB1	SB12		265	--	--	--
CB1	SB13		--	201	--	--
CB1	SB14		200	--	--	--
CB1	SB15		--	--	156	--
CB1	SB16		--	50	--	50
SB16	SB12		--	--	--	256
SB4	SB8		--	--	--	287
		TOTAL	1454	1471	1001	812

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE (GROUNDING)

FROM	TO	* 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	52
SB1	SB2	123
SB2	SB3	124
SB3	SB4	90
SB4	SB5	105
SB5	SB6	56
SB6	SB7	115
SB7	SB8	173
SB8	SB9	70
SB9	SB10	114
SB10	SB11	123
SB11	SB12	89
SB12	SB13	110
SB13	SB14	45
SB14	SB15	115
SB15	SB16	147
SB16	CB1	50
PB1	CB1	38
PB2	SB2	39
PB4	SB3	39
PB5	SB4	29
PB6	SB5	30
PB7	SB7	33
PB9	SB9	35
PB10	SB10	38
PB12	SB11	36
PB13	SB12	32
PB14	SB13	31
PB15	SB15	43
PB17	SB16	29
	TOTAL	2153

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (ABOVE GROUND)

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 26	15	--
SB2	HEAD 6	--	22
SB2	HEAD 8	19	--
SB2	HEAD 27	15	--
SB3	HEAD 7	--	22
SB4	HEAD 12	--	22
SB5	HEAD 2	66	--
SB5	HEAD 3	66	--
SB5	HEAD 4	66	--
SB6	HEAD 28	15	--
SB7	HEAD 15	19	--
SB7	HEAD 23	--	22
SB7	HEAD 29	15	--
SB8	HEAD 21	51	--
SB8	HEAD 22	19	--
SB8	HEAD 24	--	52
SB9	HEAD 30	15	--
SB10	HEAD 1	19	--
SB10	HEAD 13	--	22
SB10	HEAD 31	15	--
SB11	HEAD 14	--	22
SB12	HEAD 5	--	22
SB13	HEAD 9	66	--
SB13	HEAD 10	66	--
SB13	HEAD 11	66	--
SB14	HEAD 32	15	--
SB15	HEAD 20	19	--
SB15	HEAD 18	--	22
SB15	HEAD 25	15	--
SB16	HEAD 16	71	--
SB16	HEAD 17	71	--
SB16	HEAD 19	--	72
	TOTAL	804	300

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (LIGHTING)

FROM	TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB4	LUMINAIRE (2)	234
SB8	LUMINAIRE	145
SB12	LUMINAIRE (2)	234
SB16	LUMINAIRE	145
	TOTAL	758

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	* 655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB13 (HEAD A)	239
CB1	SB5 (HEAD B)	289
CB1	SB8 (HEAD C)	401
CB1	SB16 (HEAD D)	125
	TOTAL	1054

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

STH 31 & HIGH RIDGE / REGENCY POINT
CATEGORY 0040
S51-0467

3

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION ^		* 656.0201.203 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 31 & HIGH RIDGE ENT		1
	TOTAL	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.		* 657.0100 PEDESTAL BASES EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	* 657.0310 POLES TYPE 3 EACH	* 657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	* 657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	* 657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB1		1	--	--	--	1	--	1	--
SB2		1	--	--	1	--	--	1	--
SB3		1	--	--	1	--	--	1	--
SB4		--	1	1	--	--	2	--	2
SB6		1	--	--	--	1	--	1	--
SB7		1	--	--	1	--	--	1	--
SB9		1	--	--	--	1	--	1	--
SB10		1	--	--	1	--	--	1	--
SB11		1	--	--	1	--	--	1	--
SB12		--	1	1	--	--	2	--	2
SB14		1	--	--	--	1	--	1	--
SB15		1	--	--	1	--	--	1	--
	TOTAL	10	2	2	6	4	4	10	4

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.		* SPV.0060.200 INSTALL POLES TYPE 9 SPECIAL EACH	* SPV.0060.201 INSTALL POLES TYPE 10 EACH	* SPV.0060.202 INSTALL POLES TYPE 10 SPECIAL EACH	* SPV.0060.204 INSTALL MONOTUBE ARMS 25-FT EACH	* SPV.0060.207 INSTALL MONOTUBE ARMS 40-FT SPECIAL EACH	* SPV.0060.208 INSTALL MONOTUBE ARMS 45-FT SPECIAL EACH	* SPV.0060.209 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB5		1	--	--	--	1	--	--	--
SB8		--	1	--	1	--	--	1	1
SB13		1	--	--	--	1	--	--	--
SB16		--	--	1	--	--	1	1	1
	TOTAL	2	1	1	1	2	1	2	2

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

STH 31 & HIGH RIDGE / REGENCY POINT
CATEGORY 0040
S51-0467

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	* 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	* 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	* 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB10	1	--	--
2	SB5	1	--	--
3	SB5	1	--	--
4	SB5	1	--	--
5	SB12	--	1	--
6	SB2	--	1	--
7	SB3	--	1	--
8	SB2	1	--	--
9	SB13	1	--	--
10	SB13	1	--	--
11	SB13	1	--	--
12	SB4	--	1	--
13	SB10	--	1	--
14	SB11	--	1	--
15	SB7	1	--	--
16	SB16	1	--	--
17	SB16	1	--	--
18	SB15	--	1	--
19	SB16	--	1	--
20	SB15	1	--	--
21	SB8	1	--	--
22	SB8	1	--	--
23	SB7	--	1	--
24	SB8	--	1	--
25	SB15	--	--	1
26	SB1	--	--	1
27	SB2	--	--	1
28	SB6	--	--	1
29	SB7	--	--	1
30	SB9	--	--	1
31	SB10	--	--	1
32	SB14	--	--	1
	TOTAL	14	10	8

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY

SIGNAL HEAD NO.	SIGNAL BASE NO.	PEDESTRIAN SIGNAL FACE 16-INCH EACH	LED MODULES 12-INCH RED BALL EACH	LED MODULES 12-INCH YELLOW BALL EACH	LED MODULES 12-INCH GREEN BALL EACH	LED MODULES 12-INCH RED ARROW EACH	LED MODULES 12-INCH YELLOW ARROW EACH	LED MODULES 12-INCH GREEN ARROW EACH
1	SB10	--	1	1	1	--	--	--
2	SB5	--	1	1	1	--	--	--
3	SB5	--	1	1	1	--	--	--
4	SB5	--	1	1	1	--	--	--
5	SB12	--	--	--	--	1	2	1
6	SB2	--	--	--	--	1	2	1
7	SB3	--	--	--	--	1	2	1
8	SB2	--	1	1	1	--	--	--
9	SB13	--	1	1	1	--	--	--
10	SB13	--	1	1	1	--	--	--
11	SB13	--	1	1	1	--	--	--
12	SB4	--	--	--	--	1	2	1
13	SB10	--	--	--	--	1	2	1
14	SB11	--	--	--	--	1	2	1
15	SB7	--	1	1	1	--	--	--
16	SB16	--	1	1	1	--	--	--
17	SB16	--	1	1	1	--	--	--
18	SB15	--	--	--	--	1	2	1
19	SB16	--	--	--	--	1	2	1
20	SB15	--	1	1	1	--	--	--
21	SB8	--	1	1	1	--	--	--
22	SB8	--	1	1	1	--	--	--
23	SB7	--	--	--	--	1	2	1
24	SB8	--	--	--	--	1	2	1
25	SB15	1	--	--	--	--	--	--
26	SB1	1	--	--	--	--	--	--
27	SB2	1	--	--	--	--	--	--
28	SB6	1	--	--	--	--	--	--
29	SB7	1	--	--	--	--	--	--
30	SB9	1	--	--	--	--	--	--
31	SB10	1	--	--	--	--	--	--
32	SB14	1	--	--	--	--	--	--
	TOTAL	8	14	14	14	10	20	10

3

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.203 SIGNAL MOUNTING HARDWARE EACH
STH 31 & HIGH RIDGE ENT	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0201.203 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	* 661.0300 GENERATORS DAY	* 677.0200 INSTALL CAMERA ASSEMBLY EACH
STH 31 & HIGH RIDGE ENT	1	1	1
TOTAL	1	1	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRANSPORT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0060.212 TRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH
STH 31 & HIGH RIDGE ENT	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.218 TRNSPT AND INSTALL STATE FURN SIG CABINET EACH
STH 31 & HIGH RIDGE ENT	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED EVP DETECTOR HEADS

LOCATION	SPV.0060.224 TRNSPT & INSTALL STATE FURN EVP DETECT HEADS EACH
STH 31 & HIGH RIDGE ENT	1
TOTAL	1

TEMPORARY INFRARED EVP SYSTEM

LOCATION	SPV.0060.231 TEMPORARY INFRARED EVP SYSTEM EACH
STH 31 & HIGH RIDGE ENT	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED AUDIBLE PEDESTRIAN SYSTEM

LOCATION	SPV.0060.245 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM EACH
STH 31 & HIGH RIDGE ENT	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
2	POLES TYPE 9 SPECIAL
2	POLES TYPE 10 SPECIAL
1	MONOTUBE ARMS 35-FT SPECIAL
2	MONOTUBE ARMS 40-FT SPECIAL
1	MONOTUBE ARMS 45-FT SPECIAL
2	LUMINAIRE ARMS 15-FT
4	EVP DETECTOR HEADS W/CONFIRMATION LIGHTS
10	ACCESSIBLE PEDESTRIAN PUSH BUTTON
1	COHU CAMERA

TRAFFIC SIGNAL REMOVALS

LOCATION		204.9060.S.204 REMOVING TRAFFIC SIGNALS EACH	204.9060.S.212 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE EACH
STH 31 & 21ST ST		1	1
	TOTAL	1	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	* 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
LUMINAIRES, UTILITY, LED C	3
PEDESTRIAN SIGNAL - 16 INCH	8
TRAFFIC SIGNAL, THREE SECTION	6
TRAFFIC SIGNAL, FIVE SECTION	10
HIGH PRESSURE SODIUM LAMP	6
BALLASTS	6
TOTAL	39

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	* 204.0195 REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
TOTAL	15

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PULL BOXES

PULL BOX NO.	* 653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
TOTAL	21

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

SIGNAL BASE NO.	LUMINAIRES, UTILITY, LED C EACH	PEDESTRIAN SIGNAL, 16 INCH EACH	TRAFFIC SIGNAL, THREE SECTION EACH	TRAFFIC SIGNAL, FIVE SECTION EACH	HIGH PRESSURE SODIUM LAMP EACH	BALLASTS EACH
SB1	--	1	1	--	1	1
SB2	--	1	1	--	--	--
SB3	--	--	--	2	--	--
SB4	--	1	--	1	1	1
SB5	--	1	1	--	--	--
SB6	--	--	--	2	--	--
SB7	--	--	--	--	2	2
SB8	1	1	1	--	--	--
SB9	--	1	1	--	--	--
SB10	--	--	--	2	--	--
SB11	1	--	--	--	1	1
SB12	--	1	--	1	--	--
SB13	--	1	1	--	--	--
SB14	--	--	--	2	--	--
SB15	1	--	--	--	1	1
TOTAL	3	8	6	10	6	6

3

CONDUIT

FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	* 652.0605 CONDUIT SPECIAL 2-INCH L.F.	* 652.0615 CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	24	--	--
CB1	PB22	--	54	--	--
PB1	SB1	11	--	--	--
PB1	PB2	--	58	--	--
PB2	PB3	227	--	--	--
PB2	PB4	--	--	--	90
PB4	SB2	23	--	--	--
PB4	PB5	--	--	--	40
PB5	SB3	6	--	--	--
PB5	PB6	--	--	--	92
PB6	SB4	--	4	--	--
PB6	PB7	--	74	--	--
PB7	SB5	15	--	--	--
PB7	PB8	14	--	--	--
PB8	SB6	8	--	--	--
PB8	PB9	209	--	25	--
PB7	PB10	--	--	--	118
PB10	SB7	14	--	--	--
PB10	PB11	--	--	--	68
PB11	SB8	--	21	--	--
PB11	PB12	--	180	--	--
PB12	SB9	41	--	--	--
PB12	SB10	20	--	--	--
PB12	PB13	231	--	--	--
PB12	PB14	--	--	--	92
PB14	SB11	20	--	--	--
PB14	PB15	--	--	--	40
PB15	SB12	5	--	--	--
PB15	PB16	--	--	--	90
PB16	SB13	--	7	--	--
PB16	SB14	19	--	--	--
PB16	PB17	--	124	--	--
PB17	SB15	15	--	--	--
PB17	PB18	101	--	110	--
PB17	PB19	--	--	--	92
PB19	PB20	6	--	--	--
PB19	SB16	20	--	--	--
PB19	PB21	--	--	--	62
PB21	SB17	--	10	--	--
PB21	PB22	--	66	--	--
PB22	SB18	9	--	--	--
	TOTAL	1014	622	135	784

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	* 652.0800 CONDUIT LOOP DETECTOR L.F.	* 655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	* 655.0800 LOOP DETECTOR WIRE L.F.
11	PB15	STA 148+03; 4' RT	6x20	3	CONCRETE	76	286	188
12	PB15	STA 148+31; 4' RT	6x20	3	CONCRETE	66	286	178
21	PB3	STA 152+23; 37' LT	6x6	5	CONCRETE	46	295	150
22	PB3	STA 152+23; 26' LT	6x6	5	CONCRETE	68	295	172
23	PB3	STA 152+23; 16' LT	6x6	5	CONCRETE	88	295	192
31	PB10	STA 149+26; 99' RT	6x20	3	CONCRETE	82	274	194
32	PB10	STA 149+17; 73' RT	6x20	3	CONCRETE	70	274	182
41	PB18	STA 148+63; 297' LT	6x6	5	ASPHALT	42	372	146
42	PB18	STA 148+72; 297' LT	6x6	5	ASPHALT	62	372	166
43	PB20	STA 148+58; 87' LT	6x20	3	CONCRETE	118	114	230
44	PB20	STA 148+57; 59' LT	6x20	3	CONCRETE	118	114	230
45	PB20	STA 148+70; 87' LT	6x20	3	CONCRETE	94	114	206
46	PB20	STA 148+70; 59' LT	6x20	3	CONCRETE	92	114	204
51	PB5	STA 150+06; 4' RT	6x20	3	CONCRETE	76	107	188
52	PB5	STA 149+78; 4' RT	6x20	3	CONCRETE	68	107	180
61	PB13	STA 145+82; 45' RT	6x10	5	CONCRETE	54	571	190
62	PB13	STA 145+82; 34' RT	6x10	5	CONCRETE	76	571	212
63	PB13	STA 145+82; 23' RT	6x10	5	CONCRETE	96	571	232
71	PB20	STA 148+82; 87' LT	6x20	3	CONCRETE	72	114	184
72	PB20	STA 148+82; 59' LT	6x20	3	CONCRETE	68	114	180
81	PB9	STA 150+13; 319' RT	6x8	5	ASPHALT	68	469	188
82	PB8	STA 149+52; 101' RT	6x20	3	CONCRETE	82	228	194
83	PB8	STA 149+44; 75' RT	6x20	3	CONCRETE	76	228	188
84	PB8	STA 149+39; 100' RT	6x20	3	CONCRETE	102	228	214
85	PB8	STA 149+30; 73' RT	6x20	3	CONCRETE	106	228	218
						1966	6741	4806

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
SDD INSTALLATION REFERENCE LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

3

PULL BOXES

PULL BOX NO.	LOCATION ^	* 653.0135 PULL BOXES STEEL 24x36-INCH EACH	* 653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	149+69.8, 60.9'LT	--	1
PB2	149+96.7, 51.1'LT	--	1
PB3	152+22.8, 50.4'LT	1	--
PB4	149+97.4, 6.3'LT	--	1
PB5	149+97.6, 13.0'RT	--	1
PB6	150+00.6, 58.9'RT	--	1
PB7	149+70.1, 79.0'RT	--	1
PB8	149+64.1, 89.4'RT	1	--
PB9	150+34.3, 311.7'RT	1	--
PB10	149+12.4, 90.5'RT	--	1
PB11	148+79.7, 99.7'RT	--	1
PB12	148+13.3, 59.1'RT	--	1
PB13	145+81.6, 58.1'RT	1	--
PB14	148+12.2, 13.8'RT	--	1
PB15	148+10.7, 6.2'LT	--	1
PB16	148+09.6, 50.2'LT	--	1
PB17	148+47.4, 87.5'LT	--	1
PB18	148+51.0, 297.5'LT	1	--
PB19	148+92.2, 87.8'LT	--	1
PB20	148+92.6, 82.0'LT	1	--
PB21	149+22.8, 87.8'LT	--	1
PB22	149+45.7, 64.4'LT	--	1
	TOTAL	6	16

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^	* 654.0101 CONCRETE BASES TYPE 1 EACH	* 654.0102 CONCRETE BASES TYPE 2 EACH	* 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	* 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
SB1	149+73.6, 52.4'LT	1	--	--	--
SB2	149+75.5, 6.3'LT	1	--	--	--
SB3	150+03.7, 13.6'RT	--	1	--	--
SB4	149+97.5, 61.9'RT	--	--	1	--
SB5	149+78.1, 74.9'RT	1	--	--	--
SB6	149+65.4, 97.3'RT	1	--	--	--
SB7	149+08.1, 78.1'RT	1	--	--	--
SB8	148+72.2, 80.2'RT	--	--	1	--
SB9	148+52.3, 67.0'RT	1	--	--	--
SB10	148+34.0, 60.0'RT	1	--	--	--
SB11	148+32.3, 14.1'RT	1	--	--	--
SB12	148+06.4, 6.1'LT	--	1	--	--
SB13	148+16.9, 51.5'LT	--	--	1	--
SB14	148+25.6, 59.0'LT	1	--	--	--
SB15	148+46.1, 73.4'LT	1	--	--	--
SB16	148+93.3, 68.8'LT	1	--	--	--
SB17	149+27.4, 79.2'LT	--	--	1	--
SB18	149+53.5, 59.2'LT	1	--	--	--
CB1	149+62.8, 60.7'LT	--	--	--	1
	TOTAL	12	2	4	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (UNDERGROUND)

FROM	TO	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	* 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	* 655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1	--	--	59	--
CB1	SB2	--	178	--	--
CB1	SB3	197	--	--	197
CB1	SB4	--	258	--	--
CB1	SB5	322	--	--	--
CB1	SB6	--	345	--	--
CB1	SB7	398	--	--	--
CB1	SB8	--	455	--	--
CB1	SB9	500	--	--	--
CB1	SB10	--	--	478	--
CB1	SB11	--	415	--	--
CB1	SB12	364	--	--	--
CB1	SB13	--	304	--	--
CB1	SB14	316	--	--	--
CB1	SB15	--	233	--	--
CB1	SB16	175	--	--	--
CB1	SB17	--	117	--	117
CB1	SB18	67	--	--	--
SB3	SB8	--	--	--	303
SB17	SB12	--	--	--	299
	TOTAL	2339	2305	537	916

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE (GROUNDING)

FROM	TO	* 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	59
SB1	SB2	174
SB2	SB3	98
SB3	SB4	105
SB4	SB5	105
SB5	SB6	85
SB6	SB7	161
SB7	SB8	129
SB8	SB9	204
SB9	SB10	95
SB10	SB11	136
SB11	SB12	94
SB12	SB13	106
SB13	SB14	59
SB14	SB15	146
SB15	SB16	131
SB16	SB17	110
SB17	SB18	101
SB18	CB1	67
PB1	CB1	39
PB2	SB1	80
PB4	SB2	47
PB5	SB3	30
PB6	SB4	28
PB7	SB5	39
PB8	SB6	32
PB10	SB7	38
PB11	SB8	45
PB12	SB10	44
PB14	SB11	44
PB15	SB12	29
PB16	SB13	31
PB17	SB15	39
PB19	SB16	44
PB21	SB17	34
PB22	SB18	33
	TOTAL	2841

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (ABOVE GROUND)

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 6	--	22
SB1	HEAD 8	19	--
SB1	HEAD 29	15	--
SB2	HEAD 7	--	22
SB3	HEAD 12	--	22
SB4	HEAD 2	66	--
SB4	HEAD 3	66	--
SB4	HEAD 4	66	--
SB4	HEAD 30	15	--
SB5	HEAD 31	15	--
SB6	HEAD 15	19	--
SB6	HEAD 25	--	22
SB7	HEAD 18	--	22
SB8	HEAD 22	61	--
SB8	HEAD 23	61	--
SB8	HEAD 26	--	62
SB9	HEAD 32	15	--
SB10	HEAD 1	19	--
SB10	HEAD 13	--	22
SB10	HEAD 33	15	--
SB11	HEAD 14	--	22
SB12	HEAD 5	--	22
SB13	HEAD 9	66	--
SB13	HEAD 10	66	--
SB13	HEAD 11	66	--
SB13	HEAD 34	15	--
SB14	HEAD 27	15	--
SB15	HEAD 19	--	22
SB15	HEAD 21	19	--
SB16	HEAD 24	--	22
SB17	HEAD 16	66	--
SB17	HEAD 17	66	--
SB17	HEAD 20	--	67
SB18	HEAD 28	15	--
	TOTAL	846	349

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (LIGHTING)

FROM	TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB3	LUMINAIRE (2)	234
SB8	LUMINAIRE	145
SB12	LUMINAIRE (2)	234
SB17	LUMINAIRE	145
	TOTAL	758

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	* 655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB13 (HEAD A)	311
CB1	SB4 (HEAD B)	265
CB1	SB8 (HEAD C)	411
CB1	SB17 (HEAD D)	171
	TOTAL	1158

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION ^		656.0201.204 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 31 & 21ST ST		1
	TOTAL	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.		* 657.0100 PEDESTAL BASES EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	* 657.0310 POLES TYPE 3 EACH	* 657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	* 657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	* 657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB1		1	--	--	1	--	--	1	--
SB2		1	--	--	1	--	--	1	--
SB3		--	1	1	--	--	2	--	2
SB5		1	--	--	--	1	--	1	--
SB6		1	--	--	1	--	--	--	--
SB7		1	--	--	1	--	--	--	--
SB9		1	--	--	--	1	--	1	--
SB10		1	--	--	1	--	--	1	--
SB11		1	--	--	1	--	--	1	--
SB12		--	1	1	--	--	2	--	2
SB14		1	--	--	--	1	--	1	--
SB15		1	--	--	1	--	--	--	--
SB16		1	--	--	1	--	--	--	--
SB18		1	--	--	--	1	--	1	--
	TOTAL	12	2	2	8	4	4	8	4

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.		* SPV.0060.200 INSTALL POLES TYPE 9 SPECIAL EACH	* SPV.0060.202 INSTALL POLES TYPE 10 SPECIAL EACH	* SPV.0060.206 INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	* SPV.0060.207 INSTALL MONOTUBE ARMS 40-FT SPECIAL EACH	* SPV.0060.208 INSTALL MONOTUBE ARMS 45-FT SPECIAL EACH	* SPV.0060.209 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB4		1	--	--	--	1	--	1	--
SB8		--	1	1	--	--	1	--	1
SB13		1	--	--	1	--	--	1	--
SB17		--	1	--	1	--	1	--	1
	TOTAL	2	2	1	2	1	2	2	2

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	* 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	* 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	* 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB10	1	--	--
2	SB4	1	--	--
3	SB4	1	--	--
4	SB4	1	--	--
5	SB12	--	1	--
6	SB1	--	1	--
7	SB2	--	1	--
8	SB1	1	--	--
9	SB13	1	--	--
10	SB13	1	--	--
11	SB13	1	--	--
12	SB3	--	1	--
13	SB10	--	1	--
14	SB11	--	1	--
15	SB6	1	--	--
16	SB17	1	--	--
17	SB17	1	--	--
18	SB7	--	1	--
19	SB15	--	1	--
20	SB17	--	1	--
21	SB15	1	--	--
22	SB8	1	--	--
23	SB8	1	--	--
24	SB16	--	1	--
25	SB6	--	1	--
26	SB8	--	1	--
27	SB14	--	--	1
28	SB18	--	--	1
29	SB1	--	--	1
30	SB4	--	--	1
31	SB5	--	--	1
32	SB9	--	--	1
33	SB10	--	--	1
34	SB13	--	--	1
	TOTAL	14	12	8

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY

SIGNAL HEAD NO.	SIGNAL BASE NO.	PEDESTRIAN SIGNAL FACE 16-INCH EACH	LED MODULES 12-INCH RED BALL EACH	LED MODULES 12-INCH YELLOW BALL EACH	LED MODULES 12-INCH GREEN BALL EACH	LED MODULES 12-INCH RED ARROW EACH	LED MODULES 12-INCH YELLOW ARROW EACH	LED MODULES 12-INCH GREEN ARROW EACH
1	SB10	--	1	1	1	--	--	--
2	SB4	--	1	1	1	--	--	--
3	SB4	--	1	1	1	--	--	--
4	SB4	--	1	1	1	--	--	--
5	SB12	--	--	--	--	1	2	1
6	SB1	--	--	--	--	1	2	1
7	SB2	--	--	--	--	1	2	1
8	SB1	--	1	1	1	--	--	
9	SB13	--	1	1	1	--	--	--
10	SB13	--	1	1	1	--	--	--
11	SB13	--	1	1	1	--	--	--
12	SB3	--	--	--	--	1	2	1
13	SB10	--	--	--	--	1	2	1
14	SB11	--	--	--	--	1	2	1
15	SB6	--	1	1	1	--	--	--
16	SB17	--	1	1	1	--	--	--
17	SB17	--	1	1	1	--	--	--
18	SB7	--	--	--	--	1	2	1
19	SB15	--	--	--	--	1	2	1
20	SB17	--	--	--	--	1	2	1
21	SB15	--	1	1	1	--	--	--
22	SB8	--	1	1	1	--	--	--
23	SB8	--	1	1	1	--	--	--
24	SB16	--	--	--	--	1	2	1
25	SB6	--	--	--	--	1	2	1
26	SB8	--	--	--	--	1	2	1
27	SB14	1	--	--	--	--	--	--
28	SB18	1	--	--	--	--	--	--
29	SB1	1	--	--	--	--	--	--
30	SB4	1	--	--	--	--	--	--
31	SB5	1	--	--	--	--	--	--
32	SB9	1	--	--	--	--	--	--
33	SB10	1	--	--	--	--	--	--
34	SB13	1	--	--	--	--	--	--
	TOTAL	8	14	14	14	12	24	12

3

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.204 SIGNAL MOUNTING HARDWARE EACH
STH 31 & 21ST ST	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0201.204 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	* 661.0300 GENERATORS DAY	* 677.0200 INSTALL CAMERA ASSEMBLY EACH
STH 31 & 21ST ST	1	1	1
TOTAL	1	1	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRANSPORT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0060.213 TRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH
STH 31 & 21ST ST	1
TOTAL	1

3

TRANSPORT & INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.219 TRNSPT AND INSTALL STATE FURN SIG CABINET EACH
STH 31 & 21ST ST	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED EVP DETECTOR HEADS

LOCATION	SPV.0060.225 TRNSPT & INSTALL STATE FURN EVP DETECT HEADS EACH
STH 31 & 21ST ST	1
TOTAL	1

TEMPORARY INFRARED EVP SYSTEM

LOCATION	SPV.0060.232 TEMPORARY INFRARED EVP SYSTEM EACH
STH 31 & 21ST ST	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED AUDIBLE PEDESTRIAN SYSTEM

LOCATION	SPV.0060.246 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM EACH
STH 31 & 21ST ST	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
2	POLES TYPE 9 SPECIAL
1	POLES TYPE 10
1	POLES TYPE 10 SPECIAL
1	MONOTUBE ARMS 30-FT
1	MONOTUBE ARMS 35-FT SPECIAL
2	MONOTUBE ARMS 40-FT SPECIAL
2	LUMINAIRE ARMS 15-FT
4	EVP DETECTOR HEADS W/CONFIRMATION LIGHTS
10	ACCESSIBLE PEDESTRIAN PUSH BUTTON
1	COHU CAMERA

TRAFFIC SIGNAL REMOVALS

LOCATION	204.9060.S.205 REMOVING TRAFFIC SIGNALS EACH	204.9060.S.213 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE EACH
STH 31 & 16TH ST	1	1
TOTAL	1	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	* 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
LUMINAIRES, UTILITY, LED C	3
PEDESTRIAN SIGNAL - 16 INCH	2
TRAFFIC SIGNAL, THREE SECTION	6
TRAFFIC SIGNAL, FIVE SECTION	8
HIGH PRESSURE SODIUM LAMP	4
MERCURY SWITCHES	1
BALLASTS	4
TOTAL	28

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	* 204.0195 REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
CB1	1
TOTAL	14

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PULL BOXES

PULL BOX NO.	* 653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
TOTAL	17

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

SIGNAL BASE NO.	LUMINAIRES, UTILITY, LED C EACH	PEDESTRIAN SIGNAL, 16 INCH EACH	TRAFFIC SIGNAL, THREE SECTION EACH	TRAFFIC SIGNAL, FIVE SECTION EACH	HIGH PRESSURE SODIUM LAMP EACH	MERCURY SWITCHES EACH	BALLASTS EACH
SB1	--	--	1	--	--	--	--
SB2	--	--	--	2	--	--	--
SB3	2	--	--	--	--	--	--
SB4	--	--	1	--	--	--	--
SB5	--	--	2	--	--	--	--
SB6	--	1	--	1	1	--	1
SB7	--	--	1	--	--	--	--
SB8	--	--	--	--	2	--	2
SB9	--	--	--	2	--	--	--
SB10	--	--	1	--	--	--	--
SB11	--	1	--	--	--	--	--
SB12	--	--	--	2	1	--	1
SB13	1	--	--	1	--	--	--
CB1	--	--	--	--	--	1	--
TOTAL	3	2	6	8	4	1	4

3

CONDUIT

FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	* 652.0605 CONDUIT SPECIAL 2-INCH L.F.	* 652.0615 CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	45	--	--
CB1	PB18	--	96	--	--
PB1	SB1	24	--	--	--
PB1	SB2	12	--	--	--
PB1	PB2	7	--	--	--
PB2	PB3	164	--	--	--
PB1	PB4	--	--	--	138
PB4	SB3	--	20	--	--
PB4	SB4	38	--	--	--
PB4	PB5	--	174	--	--
PB5	SB5	27	--	--	--
PB5	PB6	223	--	--	--
PB5	PB7	--	--	--	88
PB7	SB6	27	--	--	--
PB7	PB8	--	--	--	46
PB8	SB7	9	--	--	--
PB8	PB9	--	--	--	90
PB9	SB8	--	9	--	--
PB9	PB10	--	64	--	--
PB10	SB9	9	--	--	--
PB10	SB10	13	--	--	--
PB10	PB11	20	--	--	--
PB10	PB12	190	--	60	--
PB10	PB13	--	--	--	138
PB13	SB11	--	7	--	--
PB13	SB12	19	--	--	--
PB13	PB14	--	166	--	--
PB14	SB13	22	--	--	--
PB14	PB15	220	--	--	--
PB14	PB16	--	--	--	90
PB16	SB14	20	--	--	--
PB16	PB17	--	--	--	40
PB17	SB15	3	--	--	--
PB17	PB18	--	--	--	90
PB18	SB16	--	6	--	--
PB18	SB17	8	--	--	--
	TOTAL	1055	587	60	720

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	* 652.0800 CONDUIT LOOP DETECTOR L.F.	* 655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	* 655.0800 LOOP DETECTOR WIRE L.F.
11	PB16	STA 175+29; 6' RT	6x20	3	CONCRETE	76	123	188
12	PB16	STA 175+57; 6' RT	6x20	3	CONCRETE	68	123	180
21	PB6	STA 179+20; 42' LT	6x6	5	CONCRETE	44	429	148
22	PB6	STA 179+20; 31' LT	6x6	5	CONCRETE	66	429	170
23	PB6	STA 179+21; 21' LT	6x6	5	CONCRETE	88	429	192
31	PB11	STA 176+54; 95' RT	6x20	3	CONCRETE	96	346	208
32	PB11	STA 176+47; 68' RT	6x20	3	CONCRETE	98	346	210
41	PB3	STA 175+57; 245' LT	6x6	4	ASPHALT	46	215	126
42	PB2	STA 175+79; 87' LT	6x20	3	CONCRETE	70	46	182
43	PB2	STA 175+84; 59' LT	6x20	3	CONCRETE	76	46	188
44	PB2	STA 175+93; 85' LT	6x20	3	CONCRETE	98	46	210
45	PB2	STA 175+99; 58' LT	6x20	3	CONCRETE	104	46	216
51	PB7	STA 177+07; 3' RT	6x20	3	CONCRETE	74	244	186
52	PB7	STA 176+79; 4' RT	6x20	3	CONCRETE	68	244	180
61	PB15	STA 173+16; 44' RT	6x6	5	CONCRETE	46	396	150
62	PB15	STA 173+16; 33' RT	6x6	5	CONCRETE	68	396	172
63	PB15	STA 173+16; 23' RT	6x6	5	CONCRETE	88	396	192
71	PB2	STA 176+04; 86' LT	6x20	3	CONCRETE	122	46	234
72	PB2	STA 176+11; 59' LT	6x20	3	CONCRETE	126	46	238
81	PB12	STA 177+27; 316' RT	6x8	5	ASPHALT	46	583	166
82	PB11	STA 176+68; 95' RT	6x20	3	CONCRETE	70	346	182
83	PB11	STA 176+62; 67' RT	6x20	3	CONCRETE	70	346	182
					TOTAL	1708	5667	4100

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
SDD INSTALLATION REFERENCE: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

3

PULL BOXES

PULL BOX NO.	LOCATION ^	* 653.0135 PULL BOXES STEEL 24x36-INCH EACH	* 653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	175+67, 78.2'LT	--	1
PB2	175+68.0, 84.2'LT	1	--
PB3	175+44.8, 245.2'LT	1	--
PB4	176+32.1, 93.1'LT	--	1
PB5	176+97.2, 51.1'LT	--	1
PB6	179+20.2, 55.0'LT	1	--
PB7	176+99.3, 7.2'LT	--	1
PB8	177+10.1, 12.8'RT	--	1
PB9	177+11.9, 56.4'RT	--	1
PB10	176+83.7, 69.8'RT	--	1
PB11	176+78.0, 88.0'RT	1	--
PB12	177+38.4, 312.4'RT	1	--
PB13	176+14.5, 78.5'RT	--	1
PB14	175+39.0, 60.0'RT	--	1
PB15	173+16.0, 57.8'RT	1	--
PB16	175+39.1, 15.9'RT	--	1
PB17	175+38.5, 3.9'LT	--	1
PB18	175+37.4, 48.5'LT	--	1
	TOTAL	6	12

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^	* 654.0101 CONCRETE BASES TYPE 1 EACH	* 654.0102 CONCRETE BASES TYPE 2 EACH	* 654.0110 CONCRETE BASES TYPE 10 EACH	* 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	* 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
SB1	175+57.7, 57.1'LT	1	--	--	--	--
SB2	175+67.1, 66.4'LT	1	--	--	--	--
SB3	176+34.6, 74.3'LT	--	--	1	--	--
SB4	176+49.6, 59.1'LT	1	--	--	--	--
SB5	176+70.0, 52.4'LT	1	--	--	--	--
SB6	176+72.5, 6.4'LT	1	--	--	--	--
SB7	177+01.7, 13.1'RT	--	1	--	--	--
SB8	177+03.7, 58.5'RT	--	--	--	1	--
SB9	176+91.7, 66.1'RT	1	--	--	--	--
SB10	176+79.3, 81.5'RT	1	--	--	--	--
SB11	176+15.8, 85.2'RT	--	--	--	1	--
SB12	176+00.1, 67.9'RT	1	--	--	--	--
SB13	175+62.0, 61.8'RT	1	--	--	--	--
SB14	175+59.5, 15.8'RT	1	--	--	--	--
SB15	175+36.4, 4.1'LT	--	1	--	--	--
SB16	175+31.8, 48.3'LT	--	--	--	1	--
SB17	175+45.7, 50.1'LT	1	--	--	--	--
CB1	175+52.6, 76.3'LT	--	--	--	--	1
	TOTAL	11	2	1	3	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (UNDERGROUND)

FROM	TO	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	* 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	* 655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	* 655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1	79	--	--	--
CB1	SB2	--	67	--	--
CB1	SB3	--	162	--	162
CB1	SB4	180	--	--	--
CB1	SB5	--	--	274	--
CB1	SB6	--	335	--	--
CB1	SB7	355	--	--	--
CB1	SB8	--	417	--	--
CB1	SB9	428	--	--	--
CB1	SB10	--	433	--	--
CB1	SB11	--	--	340	--
CB1	SB12	352	--	--	--
CB1	SB13	--	--	254	--
CB1	SB14	--	191	--	--
CB1	SB15	137	--	--	137
CB1	SB16	--	78	--	--
CB1	SB17	80	--	--	--
SB3	SB7	--	--	--	267
SB11	SB15	--	--	--	241
	TOTAL	1611	1683	868	807

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE (GROUNDING)

FROM	TO	* 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	79
SB1	SB2	69
SB2	SB3	151
SB3	SB4	92
SB4	SB5	204
SB5	SB6	148
SB6	SB7	108
SB7	SB8	112
SB8	SB9	99
SB9	SB10	55
SB10	SB11	139
SB11	SB12	59
SB12	SB13	175
SB13	SB14	137
SB14	SB15	92
SB15	SB16	103
SB16	SB17	46
SB17	CB1	80
PB1	CB1	46
PB4	SB3	44
PB5	SB5	52
PB7	SB6	52
PB8	SB7	33
PB9	SB8	33
PB10	SB9	33
PB13	SB11	31
PB14	SB13	46
PB16	SB14	44
PB17	SB15	27
PB18	SB16	30
	TOTAL	2419

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (ABOVE GROUND)

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 25	15	--
SB2	HEAD 18	--	22
SB2	HEAD 20	19	--
SB3	HEAD 16	56	--
SB3	HEAD 17	19	--
SB3	HEAD 19	--	57
SB4	HEAD 26	15	--
SB5	HEAD 8	19	--
SB5	HEAD 6	--	22
SB5	HEAD 27	15	--
SB6	HEAD 7	--	22
SB7	HEAD 12	--	22
SB8	HEAD 2	66	--
SB8	HEAD 3	66	--
SB8	HEAD 4	66	--
SB8	HEAD 28	15	--
SB9	HEAD 29	15	--
SB10	HEAD 15	19	--
SB10	HEAD 23	--	22
SB11	HEAD 21	61	--
SB11	HEAD 22	60	--
SB11	HEAD 24	--	62
SB12	HEAD 30	15	--
SB13	HEAD 1	19	--
SB13	HEAD 13	--	22
SB13	HEAD 31	15	--
SB14	HEAD 14	--	22
SB15	HEAD 5	--	22
SB16	HEAD 9	66	--
SB16	HEAD 10	66	--
SB16	HEAD 11	66	--
SB17	HEAD 32	15	--
	TOTAL	788	295

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (LIGHTING)

FROM	TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB3	LUMINAIRE	145
SB7	LUMINAIRE (2)	234
SB11	LUMINAIRE	145
SB15	LUMINAIRE (2)	234
	TOTAL	758

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	* 655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB16 (HEAD A)	147
CB1	SB8 (HEAD B)	409
CB1	SB11 (HEAD C)	342
CB1	SB3 (HEAD D)	205
	TOTAL	1103

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION ^	656.0201.205 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 31 & 16TH ST	1
TOTAL	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	* 657.0100 PEDESTAL BASES EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	* 657.0310 POLES TYPE 3 EACH	* 657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	* 657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	* 657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	--	1	--	1	--
SB2	1	--	--	1	--	--	--	--
SB4	1	--	--	--	1	--	1	--
SB5	1	--	--	1	--	--	1	--
SB6	1	--	--	1	--	--	1	--
SB7	--	1	1	--	--	2	--	2
SB9	1	--	--	--	1	--	1	--
SB10	1	--	--	1	--	--	--	--
SB12	1	--	--	--	1	--	1	--
SB13	1	--	--	1	--	--	1	--
SB14	1	--	--	1	--	--	1	--
SB15	--	1	1	--	--	2	--	2
SB17	1	--	--	--	1	--	1	--
TOTAL	11	2	2	6	5	4	9	4

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	* SPV.0060.200 INSTALL POLES TYPE 9 SPECIAL EACH	* SPV.0060.201 INSTALL POLES TYPE 10 EACH	* SPV.0060.202 INSTALL POLES TYPE 10 SPECIAL EACH	* SPV.0060.205 INSTALL MONOTUBE ARMS 30-FT EACH	* SPV.0060.206 INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	* SPV.0060.207 INSTALL MONOTUBE ARMS 40-FT SPECIAL EACH	* SPV.0060.209 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB3	--	1	--	1	--	--	1	--	1
SB8	1	--	--	--	--	1	--	1	--
SB11	--	--	1	--	1	--	1	--	1
SB16	1	--	--	--	--	1	--	--	--
TOTAL	2	1	1	1	1	2	2	1	2

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	* 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	* 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	* 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB13	1	--	--
2	SB8	1	--	--
3	SB8	1	--	--
4	SB8	1	--	--
5	SB15	--	1	--
6	SB5	--	1	--
7	SB6	--	1	--
8	SB5	1	--	--
9	SB16	1	--	--
10	SB16	1	--	--
11	SB16	1	--	--
12	SB7	--	1	--
13	SB13	--	1	--
14	SB14	--	1	--
15	SB10	1	--	--
16	SB3	1	--	--
17	SB3	1	--	--
18	SB2	--	1	--
19	SB3	--	1	--
20	SB2	1	--	--
21	SB11	1	--	--
22	SB11	1	--	--
23	SB10	--	1	--
24	SB11	--	1	--
25	SB1	--	--	1
26	SB4	--	--	1
27	SB5	--	--	1
28	SB8	--	--	1
29	SB9	--	--	1
30	SB12	--	--	1
31	SB13	--	--	1
32	SB17	--	--	1
	TOTAL	14	10	8

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY (FOR INFORMATION ONLY)

SIGNAL HEAD NO.	SIGNAL BASE NO.	PEDESTRIAN SIGNAL FACE 16-INCH EACH	LED MODULES 12-INCH RED BALL EACH	LED MODULES 12-INCH YELLOW BALL EACH	LED MODULES 12-INCH GREEN BALL EACH	LED MODULES 12-INCH RED ARROW EACH	LED MODULES 12-INCH YELLOW ARROW EACH	LED MODULES 12-INCH GREEN ARROW EACH
1	SB13	--	1	1	1	--	--	--
2	SB8	--	1	1	1	--	--	--
3	SB8	--	1	1	1	--	--	--
4	SB8	--	1	1	1	--	--	--
5	SB15	--	--	--	--	1	2	1
6	SB5	--	--	--	--	1	2	1
7	SB6	--	--	--	--	1	2	1
8	SB5	--	1	1	1	--	--	--
9	SB16	--	1	1	1	--	--	--
10	SB16	--	1	1	1	--	--	--
11	SB16	--	1	1	1	--	--	--
12	SB7	--	--	--	--	1	2	1
13	SB13	--	--	--	--	1	2	1
14	SB14	--	--	--	--	1	2	1
15	SB10	--	1	1	1	--	--	--
16	SB3	--	1	1	1	--	--	--
17	SB3	--	1	1	1	--	--	--
18	SB2	--	--	--	--	1	2	1
19	SB3	--	--	--	--	1	2	1
20	SB2	--	1	1	1	--		--
21	SB11	--	1	1	1	--	--	--
22	SB11	--	1	1	1	--	--	--
23	SB10	--	--	--	--	1	2	1
24	SB11	--	--	--	--	1	2	1
25	SB1	1	--	--	--		--	--
26	SB4	1	--	--	--	--	--	--
27	SB5	1	--	--	--	--	--	--
28	SB8	1	--	--	--	--	--	--
29	SB9	1	--	--	--	--	--	--
30	SB12	1	--	--	--	--	--	--
31	SB13	1	--	--	--	--	--	--
32	SB17	1	--	--	--	--	--	--
	TOTAL	8	14	14	14	10	20	10

3

SIGNAL MOUNTING HARDWARE

LOCATION		658.5070.205 SIGNAL MOUNTING HARDWARE EACH
STH 31 & 16TH ST		1
	TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION		661.0201.205 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	* 661.0300 GENERATORS DAY	* 677.0200 INSTALL CAMERA ASSEMBLY EACH
STH 31 & 16TH ST		1	1	1
	TOTAL	1	1	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRANSPORT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS

LOCATION		SPV.0060.214 TRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH
STH 31 & 16TH ST		1
	TOTAL	1

3

TRANSPORT & INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION		SPV.0060.220 TRNSPT AND INSTALL STATE FURN SIG CABINET EACH
STH 31 & 16TH ST		1
	TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED EVP DETECTOR HEADS

LOCATION		SPV.0060.226 TRNSPT & INSTALL STATE FURN EVP DETECT HEADS EACH
STH 31 & 16TH ST		1
	TOTAL	1

TEMPORARY INFRARED EVP SYSTEM

LOCATION		SPV.0060.233 TEMPORARY INFRARED EVP SYSTEM EACH
STH 31 & 16TH ST		1
	TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED AUDIBLE PEDESTRIAN SYSTEM

LOCATION		SPV.0060.247 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM EACH
STH 31 & 16TH ST		1
	TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
2	POLES TYPE 9 SPECIAL
1	POLES TYPE 10
1	POLES TYPE 10 SPECIAL
1	MONOTUBE ARMS 30-FT
1	MONOTUBE ARMS 35-FT SPECIAL
2	MONOTUBE ARMS 40-FT SPECIAL
2	LUMINAIRE ARMS 15-FT
1	VIDEO CAMERA
4	EVP DETECTOR HEADS W/CONFIRMATION LIGHTS
10	ACCESSIBLE PEDESTRIAN PUSH BUTTON
1	COHU CAMERA

TRAFFIC SIGNAL REMOVALS

LOCATION	204.9060.S.206 REMOVING TRAFFIC SIGNALS EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	* 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
LUMINAIRES, UTILITY, LED C	6
TRAFFIC SIGNAL, THREE SECTION	15
TRAFFIC SIGNAL, FOUR SECTION	7
TOTAL	28

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	* 204.0195 REMOVING CONCRETE BASES EACH	SPV.0060.235 REMOVING CONCRETE MONOTUBE TRAFFIC SIGNAL BASES EACH
SB1	1	-
SB2	-	1
SB3	1	-
SB4	-	1
SB5	1	-
SB6	-	1
SB7	1	-
SB8	-	1
TOTAL	4	4

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PULL BOXES

PULL BOX NO.	* 653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
TOTAL	11

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

SIGNAL BASE NO.	LUMINAIRES, UTILITY, LED C EACH	TRAFFIC SIGNAL, THREE SECTION EACH	TRAFFIC SIGNAL, FOUR SECTION EACH
SB1	--	1	1
SB2	1	2	1
SB3	--	1	1
SB4	2	3	1
SB5	--	2	--
SB6	1	2	1
SB7	--	1	1
SB8	2	3	1
TOTAL	6	15	7

3

CONDUIT

FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	* 652.0605 CONDUIT SPECIAL 2-INCH L.F.	* 652.0615 CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	24	--	--
CB1	PB18	--	24	--	--
PB1	SB1	--	7	--	--
PB1	PB2	--	80	--	--
PB2	SB2	17	--	--	--
PB2	SB3	10	--	--	--
PB2	PB3	--	--	--	148
PB3	SB4	--	15	--	--
PB3	SB5	11	--	--	--
PB3	PB4	--	66	--	--
PB4	PB5	229	--	--	--
PB4	PB6	--	--	--	92
PB6	SB6	21	--	--	--
PB6	PB7	--	--	--	44
PB7	SB7	7	--	--	--
PB7	PB8	--	--	--	92
PB8	SB8	--	13	--	--
PB8	SB9	18	--	--	--
PB8	PB9	--	90	--	--
PB9	SB10	22	--	--	--
PB9	PB10	7	--	--	--
PB10	PB11	110	--	45	--
PB9	PB12	--	--	--	120
PB12	SB11	--	14	--	--
PB12	PB13	--	92	--	--
PB13	SB12	36	--	--	--
PB13	SB13	24	--	--	--
PB13	PB14	227	--	--	--
PB13	PB15	--	--	--	92
PB15	SB14	22	--	--	--
PB15	PB16	--	--	--	42
PB16	SB15	5	--	--	--
PB16	PB17	--	--	--	88
	TOTAL	766	425	45	718

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	* 652.0800 CONDUIT LOOP DETECTOR L.F.	* 655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	* 655.0800 LOOP DETECTOR WIRE L.F.
11	PB16	STA 187+41; 16' LT	6x20	3	CONCRETE	72	77	184
12	PB16	STA 187+69; 16' LT	6x20	3	CONCRETE	68	77	180
21	PB5	STA 191+20; 63' LT	6x6	5	CONCRETE	46	419	150
22	PB5	STA 191+20; 52' LT	6x6	5	CONCRETE	68	419	172
23	PB5	STA 191+20; 41' LT	6x6	5	CONCRETE	88	419	192
31	PB10	STA 188+21; 77' RT	6x20	3	CONCRETE	100	273	212
32	PB10	STA 188+21; 49' RT	6x20	3	CONCRETE	102	273	214
51	PB7	STA 189+00; 16' LT	6x20	3	CONCRETE	74	253	186
52	PB7	STA 188+72; 16' LT	6x20	3	CONCRETE	68	253	180
61	PB14	STA 185+22; 31' RT	6x6	5	CONCRETE	46	379	150
62	PB14	STA 185+22; 20' RT	6x6	5	CONCRETE	68	379	172
63	PB14	STA 185+21; 9' RT	6x6	5	CONCRETE	88	379	192
81	PB11	STA 188+36; 230' RT	6x6	5	ASPHALT	42	430	146
82	PB10	STA 188+35; 77' RT	6x20	3	CONCRETE	72	273	184
83	PB10	STA 188+35; 49' RT	6x20	3	CONCRETE	78	273	190
					TOTAL	1080	4576	2704

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
SDD INSTALLATION REFERENCE: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

3

PULL BOXES

PULL BOX NO.	LOCATION ^		* 653.0135 PULL BOXES STEEL 24x36-INCH EACH	* 653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	187+46.3, 71.9'LT		--	1
PB2	187+85.8, 71.5'LT		--	1
PB3	188+59.1, 72.2'LT		--	1
PB4	188+92.0, 72.6'LT		--	1
PB5	191+20.0, 76.2'LT		1	--
PB6	188+92.6, 27.4'LT		--	1
PB7	188+93.2, 6.1'LT		--	1
PB8	188+94.4, 39.1'RT		--	1
PB9	188+51, 52'RT		--	1
PB10	188+48, 73.2'RT		1	--
PB11	188+48, 228.9'RT		1	--
PB12	187+93, 52.7' RT		--	1
PB13	187+48.6, 40.9'RT		--	1
PB14	185+21.9, 44.3'RT		1	--
PB15	187+47.8, 4.5'LT		--	1
PB16	187+47.1, 25.5'LT		--	1
PB17	187+46.2, 69.3'LT		--	1
		TOTAL	4	13

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^		* 654.0101 CONCRETE BASES TYPE 1 EACH	* 654.0102 CONCRETE BASES TYPE 2 EACH	* 654.0110 CONCRETE BASES TYPE 10 EACH	* 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	* 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
SB1	187+54.6, 70.5'LT		--	--	--	1	--
SB2	187+70.4, 72.6'LT		1	--	--	--	--
SB3	187+87.4, 79.7'LT		1	--	--	--	--
SB4	188+50.8, 81.2'LT		--	--	--	1	--
SB5	188+69.3, 74.2'LT		1	--	--	--	--
SB6	188+71.6, 27.0'LT		1	--	--	--	--
SB7	188+86.3, 6.3'LT		--	1	--	--	--
SB8	188+82.2, 39.0'RT		--	--	--	1	--
SB9	188+75.9, 40.6'RT		1	--	--	--	--
SB10	188+57.1, 48.2'RT		1	--	--	--	--
SB11	187+95.2, 66.1'RT		--	--	1	--	--
SB12	187+82.4, 49.4'RT		1	--	--	--	--
SB13	187+72.2, 42.6'RT		1	--	--	--	--
SB14	187+69.9, 4.5'LT		1	--	--	--	--
SB15	187+51.8, 25.3'LT		--	1	--	--	--
CB1	187+38.8, 70.9'LT		--	--	--	--	1
		TOTAL	9	2	1	3	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (UNDERGROUND)

FROM	TO		* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	* 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	* 655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1		--	55	--	--
CB1	SB2		122	--	--	--
CB1	SB3		--	--	114	--
CB1	SB4		--	--	211	211
CB1	SB5		--	--	207	--
CB1	SB6		--	330	--	--
CB1	SB7		353	--	--	--
CB1	SB8		--	422	--	--
CB1	SB9		427	--	--	--
CB1	SB10		--	--	387	--
CB1	SB11		--	297	--	--
CB1	SB12		245	--	--	--
CB1	SB13		--	--	233	--
CB1	SB14		--	168	--	--
CB1	SB15		113	--	--	84
SB4	SB7		--	--	--	205
SB15	SB11		--	--	--	226
		TOTAL	1260	1272	1152	726

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE (GROUNDING)

FROM	TO	* 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	55
SB1	SB2	113
SB2	SB3	60
SB3	SB4	149
SB4	SB5	59
SB5	SB6	177
SB6	SB7	99
SB7	SB8	115
SB8	SB9	64
SB9	SB10	160
SB10	SB11	137
SB11	SB12	158
SB12	SB13	94
SB13	SB14	142
SB14	SB15	97
SB15	CB1	113
PB1	SB1	31
PB2	SB3	34
PB3	SB4	35
PB4	SB5	84
PB6	SB6	45
PB7	SB7	31
PB8	SB8	37
PB9	SB10	52
PB12	SB11	31
PB13	SB13	48
PB15	SB14	46
PB16	SB15	29
PB17	CB1	39
	TOTAL	2334

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (ABOVE GROUND)

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 9	66	--
SB1	HEAD 10	66	--
SB1	HEAD 11	66	--
SB2	HEAD 32	15	--
SB3	HEAD 18	--	22
SB3	HEAD 20	19	--
SB3	HEAD 25	15	--
SB4	HEAD 16	61	--
SB4	HEAD 17	61	--
SB4	HEAD 19	--	62
SB4	HEAD 26	15	--
SB5	HEAD 6	--	22
SB5	HEAD 8	19	--
SB5	HEAD 27	15	--
SB6	HEAD 7	--	22
SB7	HEAD 12	--	22
SB8	HEAD 2	66	--
SB8	HEAD 3	66	--
SB8	HEAD 4	66	--
SB9	HEAD 28	15	--
SB10	HEAD 15	19	--
SB10	HEAD 23	--	22
SB10	HEAD 29	15	--
SB11	HEAD 21	40	--
SB11	HEAD 22	20	--
SB11	HEAD 24	--	41
SB12	HEAD 30	15	--
SB13	HEAD 1	19	--
SB14	HEAD 13	--	22
SB15	HEAD 31	15	--
SB16	HEAD 14	--	22
SB17	HEAD 5	--	22
	TOTAL	774	279

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE (LIGHTING)

FROM	TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB4	LUMINAIRE	145
SB7	LUMINAIRE (2)	234
SB11	LUMINAIRE	145
SB15	LUMINAIRE (2)	234
	TOTAL	758

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	* 655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB1 (HEAD A)	124
CB1	SB8 (HEAD B)	399
CB1	SB11 (HEAD C)	278
CB1	SB4 (HEAD D)	244
	TOTAL	1045

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION ^	656.0201.206 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	* 657.0100 PEDESTAL BASES EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	* 657.0310 POLES TYPE 3 EACH	* 657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	* 657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	* 657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB2	1	--	--	--	1	--	1	--
SB3	1	--	--	1	--	--	1	--
SB5	1	--	--	1	--	--	1	--
SB6	1	--	--	1	--	--	1	--
SB7	--	1	1	--	--	2	--	2
SB9	1	--	--	--	1	--	1	--
SB10	1	--	--	1	--	--	1	--
SB12	1	--	--	--	1	--	1	--
SB13	1	--	--	1	--	--	1	--
SB14	1	--	--	1	--	--	1	--
SB15	--	1	1	--	--	2	--	2
TOTAL	9	2	2	6	3	4	9	4

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	* SPV.0060.200 INSTALL POLES TYPE 9 SPECIAL EACH	* SPV.0060.201 INSTALL POLES TYPE 10 EACH	* SPV.0060.202 INSTALL POLES TYPE 10 SPECIAL EACH	* SPV.0060.205 INSTALL MONOTUBE ARMS 30-FT EACH	* SPV.0060.206 INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	* SPV.0060.207 INSTALL MONOTUBE ARMS 40-FT SPECIAL EACH	* SPV.0060.209 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	(INCIDENTAL) APS PEDESTRIAN PUSH BUTTONS EACH	* 659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	--	--	1	--	--	--
SB4	--	--	1	--	1	--	1	1	1
SB8	1	--	--	--	--	1	--	--	--
SB11	--	1	--	1	--	--	1	--	1
TOTAL	2	1	1	1	1	2	2	1	2

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	* 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	* 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	* 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB13	1	--	--
2	SB8	1	--	--
3	SB8	1	--	--
4	SB8	1	--	--
5	SB15	--	1	--
6	SB5	--	1	--
7	SB6	--	1	--
8	SB5	1	--	--
9	SB1	1	--	--
10	SB1	1	--	--
11	SB1	1	--	--
12	SB7	--	1	--
13	SB13	--	1	--
14	SB14	--	1	--
15	SB10	1	--	--
16	SB4	1	--	--
17	SB4	1	--	--
18	SB3	--	1	--
19	SB4	--	1	--
20	SB3	1	--	--
21	SB11	1	--	--
22	SB11	1	--	--
23	SB10	--	1	--
24	SB11	--	1	--
25	SB3	--	--	1
26	SB4	--	--	1
27	SB5	--	--	1
28	SB9	--	--	1
29	SB10	--	--	1
30	SB12	--	--	1
31	SB13	--	--	1
32	SB2	--	--	1
	TOTAL	14	10	8

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY

SIGNAL HEAD NO.	SIGNAL BASE NO.	PEDESTRIAN SIGNAL FACE 16-INCH EACH	LED MODULES 12-INCH RED BALL EACH	LED MODULES 12-INCH YELLOW BALL EACH	LED MODULES 12-INCH GREEN BALL EACH	LED MODULES 12-INCH RED ARROW EACH	LED MODULES 12-INCH YELLOW ARROW EACH	LED MODULES 12-INCH GREEN ARROW EACH
1	SB13	--	1	1	1	--	--	--
2	SB8	--	1	1	1	--	--	--
3	SB8	--	1	1	1	--	--	--
4	SB8	--	1	1	1	--	--	--
5	SB15	--	--	--	--	1	2	1
6	SB5	--	--	--	--	1	2	1
7	SB6	--	--	--	--	1	2	1
8	SB5	--	1	1	1	--	--	--
9	SB1	--	1	1	1	--	--	--
10	SB1	--	1	1	1	--	--	--
11	SB1	--	1	1	1	--	--	--
12	SB7	--	--	--	--	1	2	1
13	SB13	--	--	--	--	1	2	1
14	SB14	--	--	--	--	1	2	1
15	SB10	--	1	1	1	--	--	--
16	SB4	--	1	1	1	--	--	--
17	SB4	--	1	1	1	--	--	--
18	SB3	--	--	--	--	1	2	1
19	SB4	--	--	--	--	1	2	1
20	SB3	--	1	1	1	--	--	--
21	SB11	--	1	1	1	--	--	--
22	SB11	--	1	1	1	--	--	--
23	SB10	--	--	--	--	1	2	1
24	SB11	--	--	--	--	1	2	1
25	SB3	1	--	--	--	--	--	--
26	SB4	1	--	--	--	--	--	--
27	SB5	1	--	--	--	--	--	--
28	SB9	1	--	--	--	--	--	--
29	SB10	1	--	--	--	--	--	--
30	SB12	1	--	--	--	--	--	--
31	SB13	1	--	--	--	--	--	--
32	SB2	1	--	--	--	--	--	--
	TOTAL	8	14	14	14	10	20	10

3

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.206 SIGNAL MOUNTING HARDWARE EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0201.206 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	* 661.0300 GENERATORS DAY	* 677.0200 INSTALL CAMERA ASSEMBLY EACH
STH 31 & WRIGHT AVE	1	1	1
TOTAL	1	1	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRANSPORT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0060.215 TTRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

3

TRANSPORT & INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.221 TRNSPT AND INSTALL STATE FURN SIG CABINET EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED EVP DETECTOR HEADS

LOCATION	SPV.0060.227 TRNSPT & INSTALL STATE FURN EVP DETECT HEADS EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

TRANSPORT & INSTALL STATE FURNISHED VIDEO DETECTION SYSTEM

LOCATION	SPV.0060.228 TRNSPT & INSTALL STATE FURN VIDEO DETECT SYSTEM EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

TEMPORARY INFRARED EVP SYSTEM

LOCATION	SPV.0060.234 TEMPORARY INFRARED EVP SYSTEM EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED AUDIBLE PEDESTRIAN SYSTEM

LOCATION	SPV.0060.248 TRNSPT AND INSTALL STATE FURN AUDIBLE PED SYSTEM EACH
STH 31 & WRIGHT AVE	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY (FOR INFO ONLY)

FROM	TO	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT EACH	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT L.F.	ETHERNET SWITCH EACH	FIBER OPTIC CABLE OUTDOOR PLANT 36-CT L.F.
CV1	CB1 (S51-0282)	1	200	1	--
CV2	CB1 (S51-0281)	1	300	1	--
CV3	CB1 (S51-0467)	1	400	1	--
CV4	CB1 (S51-0289)	1	400	1	--
CV6	CB1 (S51-0269)	1	400	1	--
EX CV3	CB1 (S51-1389)	1	300	1	--
EX CV2	IC CV1	--	--	--	722
IC CV1	IC CV2	--	--	--	833
IC CV2	IC CV3	--	--	--	884
IC CV3	IC CV4	--	--	--	962
IC CV4	IC CV5	--	--	--	1310
IC CV5	IC CV6	--	--	--	1265
IC CV6	EX CV3	--	--	--	1417
EX CV3	EX PB1	--	--	--	1387
10% CONTINGENCY		--	--	--	880
PROJECT TOTAL		6	2000	6	9660

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0605* CONDUIT SPECIAL 2-INCH L.F.	671.0122 CONDUIT HDPE 2-DUCT 2-INCH L.F.	671.0222 CONDUIT HDPE DIRECTIONAL BORE 2-DUCT 2-INCH L.F.
EX CV2	CV1	--	--	562	--
CV1	CB1 (S51-0282)	11	--	--	--
CV1	CV2	--	--	703	--
CV2	IC PB1	--	133	--	--
IC PB1	CB1 (S51-0281)	8	--	--	--
CV2	CV3	--	--	754	--
CV3	IC PB2	--	111	--	--
IC PB2	CB1 (S51-0467)	65	--	--	--
CV3	CV4	--	--	832	--
CV4	IC PB3	--	112	--	--
IC PB3	CB1 (S51-0289)	50	--	--	--
CV4	CV5	--	--	1102	78
CV5	CV6	--	--	1101	34
CV6	IC PB 4	--	121	--	--
IC PB 4	CB1 (S51-0269)	34	--	--	--
CV6	EX CV2	--	--	1178	49
EX CV3	IC PB5	--	126	--	--
IC PB5	CB1 (S51-1389)	22	--	--	--
EX CV3	EX PB1	--	--	1185	72
	TOTAL	190	603	7417	233

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE FIBER OPTIC CABLE

REMOVE FROM	REMOVE TO	674.0300 REMOVE CABLE L.F.
EX CV2	EX I/C PB1	260
EX I/C PB1	EX I/C CV3	390
EX I/C CV3	EX I/C CV4	945
EX I/C CV4	EX I/C CV5	845
EX I/C CV5	EX I/C CV6	925
EX I/C CV6	EX I/C PB3	495
EX I/C PB3	EX I/C CV7	695
EX I/C CV7	EX I/C PB4	625
EX I/C PB4	EX I/C PB5	605
EX I/C PB5	EX I/C CV8	605
EX I/C CV8	EX I/C CV9	1165
EX I/C CV9	EX I/C PB6	535
EX I/C PB6	EX I/C PB7	475
EX I/C PB7	EX I/C PB8	345
	TOTAL	8910

REMOVING PULL BOXES & COMM. VAULTS

*

STRUCTURE NO.	653.0905 REMOVING PULL BOXES EACH	204.9060.S.215 REMOVING COMMUNICATION VAULTS EACH
EX I/C PB1	1	-
EX I/C CV3	-	1
EX I/C CV4	-	1
EX I/C CV5	-	1
EX I/C PB2	1	-
EX I/C CV6	-	1
EX I/C PB3	1	-
EX I/C CV7	-	1
EX I/C PB4	1	-
EX I/C PB5	1	-
EX I/C CV8	-	1
EX I/C PB6	1	-
EX I/C PB7	1	-
EX I/C PB8	1	
TOTAL	8	6

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

FIBER OPTIC CABLE

LOC.	TO	LOC.	678.0036 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 36-CT L.F.	655.0610 * ELECTRICAL WIRE LIGHTING 12 AWG L.F.	SPV.0090.200 FIBER OPTIC WARNING TAPE L.F.
EX CV2		CV1	722	562	568
CV1		CV2	833	703	709
CV2		CV3	884	754	760
CV3		CV4	962	832	838
CV4		CV5	1310	1180	1186
CV5		CV6	1265	1135	1141
CV6		EX CV3	1417	1227	1233
EX CV3		EX PB1	1387	1257	1263
10% CONTINGENCY			880	765	770
		TOTAL	9660	8415	8468

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

SHEET 1 OF 2

TRAFFIC SIGNAL INTERCONNECT
STH 31
RACINE COUNTY
CATEGORY 0040

I/C PULL BOXES & VAULTS

PULL BOX NO.	APPROX. LOCATION ^	653.0140* PULL BOXES STEEL 24x42-INCH EACH	673.0105 COMMUNICATION VAULT TYPE 1 EACH
IC PB1	STA 134+33; 67' LT	1	--
IC PB2	STA 141+79; 54' LT	1	--
IC PB3	STA 150+09; 54' LT	1	--
IC PB4	STA 175+27; 65' LT	1	--
IC PB5	STA 187+62; 53' LT	1	--
CV1	STA 127+21; 66' RT	--	1
CV2	STA 134+25; 66' RT	--	1
CV3	STA 141+82; 55' RT	--	1
CV4	STA 150+12; 57' RT	--	1
CV5	STA 161+92; 55' RT	--	1
CV6	STA 175+32; 55' RT	--	1
CV7	STA 200+16; 63' RT	--	1
	TOTAL	5	7

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

MAINTAIN EXISTING TRAFFIC SIGNAL INTERCONNECT SYSTEM

LOCATION	SPV.0060.251 MAINTAIN EXISTING TRAFFIC SIGNAL INTERCONNECT SYSTEM EACH
2390-12-70	1
TOTAL	1

FIELD SYSTEM INTEGRATOR

LOCATION	670.0101 FIELD SYSTEM INTEGRATOR EACH	670.0201 ITS DOCUMENTATION EACH	678.0501 COMMUNICATION SYSTEM TESTING EACH
2390-12-70	1	1	1
TOTAL	1	1	1

FIBER OPTIC SPLICE

LOCATION	678.0200 FIBER OPTIC SPLICE ENCLOSURE EACH	678.0300 FIBER OPTIC SPLICE EACH
EX CV2	--	36
CV1	1	4
CV2	1	4
CV3	1	4
CV4	1	4
CV5	1	4
CV6	1	4
EX CV3	--	4
CV7	1	36
TOTAL	7	100

COMMUNICATIONS EQUIPMENT

LOCATION	678.0600 INSTALL ETHERNET SWITCHES EACH	CAT-5E-CABLE 5-FEET *** EACH	ST-ST SINGLE MODE FIBER JUMPER 4-FEET*** EACH	SPV.0060.236 INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 31 & TIMBER DR EACH	SPV.0060.237 INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 31 & REGENCY WEST DR EACH	SPV.0060.238 INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 31 & HIGH RIDGE ENT EACH	SPV.0060.239 INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 31 & 21ST ST EACH	SPV.0060.240 INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 31 & 16TH ST EACH	SPV.0060.241 INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 31 & WRIGHT AVE EACH
CB1 (S51-0282)	1	2	2	1	-	-	-	-	-
CB1 (S51-0281)	1	2	2	-	1	-	-	-	-
CB1 (S51-0467)	1	2	2	-	-	1	-	-	-
CB1 (S51-0289)	1	2	2	-	-	-	1	-	-
CB1 (S51-0269)	1	2	2	-	-	-	-	1	-
CB1 (S51-1389)	1	2	2	-	-	-	-	-	1
TOTAL	6	12	12	1	1	1	1	1	1

** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS
*** FOR INFORMATION ONLY

FILE NAME : T:\1192700\Civil 3D\23901270\Design\Quantities\030201-mq.ppt PLOT DATE : 4/30/2025 9:14 AM PLOT BY : ANDY UTIC PLOT NAME : PLOT SCALE : 1:1

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
2390-12-20
GREEN BAY RD, C RACINE/V MT PLEASANT
STH 11 TO STH 20
STH 31
RACINE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE — DRIVEWAYS

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

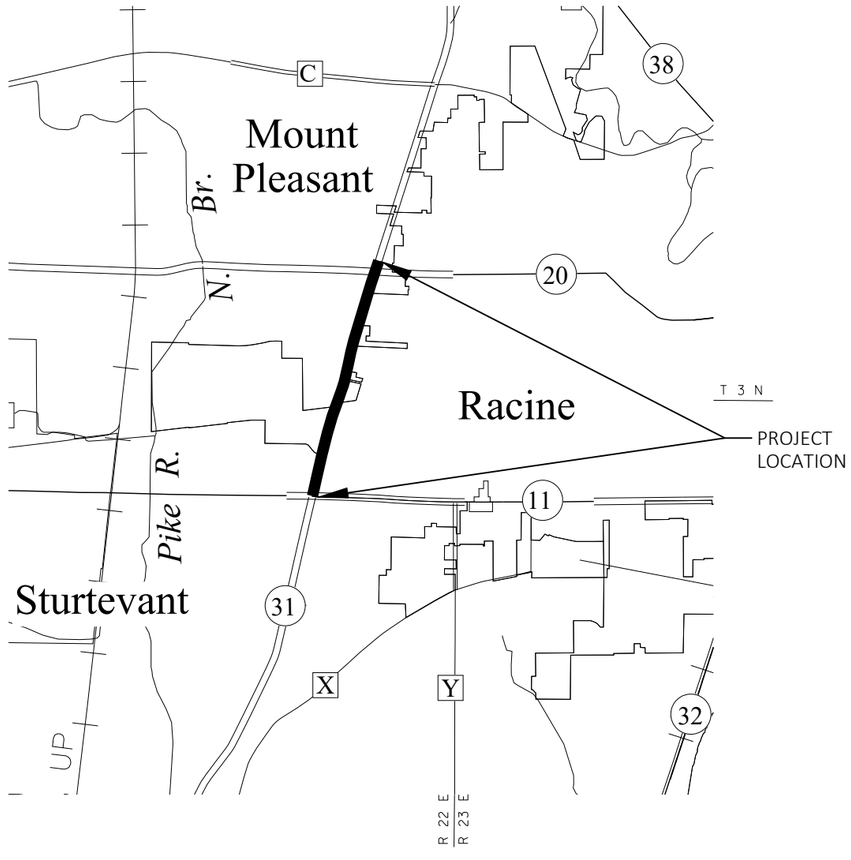
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB



LAYOUT
SCALE 0 0.5 MI.

CONVENTIONAL UTILITY SYMBOLS

W	WATER
G	GAS
T	TELEPHONE
OH	OVERHEAD TRANSMISSION LINES
E	ELECTRIC
TV	CABLE TELEVISION
FO	FIBER OPTIC
SAN	SANITARY SEWER
SS	STORM SEWER

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 2390-12-20

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

4

PROJECT NUMBER 2390-12-20 - 4. 01
SHEET 2 OF 3
AMENDMENT NO:

680

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.01

THAT PART OF SITE 3 CSM 1073 AND LOTS 1 & 2 CSM 3004, LOCATED IN PART OF THE SW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF LOT 17, BLOCK ONE, LOTS 2-5 BLOCK THREE OF THE PLAT OF REGENCY MALL, LOT 1 CSM 2244 AND LOT 1 CSM 3175, LOCATED IN PART OF THE SW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASNT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 31 HAS BEEN ESTABLISHED FROM R/W PLAT T 014-3(34), R/W PLAT 2260-00-21, CSM 3004, PLAT OF REGENCY MALL, AND DOC. 955530.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
1	BJ REAL ESTATE PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/PLE/TLE	12	---	12	162	1306
2	PENNY RACINE, LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	390	---	390	847	2002
3	RACINE MALL, LLC, A GEORGIA LIMITED LIABILITY COMPANY	FEE/PLE/TLE	12	---	12	69	346
4	BR OF WISCONSIN 15, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	1746
6	CADANO-CLEON, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY	TLE	---	---	---	---	702
7	SOUTHLAND CENTER INVESTORS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	45	727
8	ARCP RL PORTFOLIO IV, LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	16	---	16	23	822
71	SWNC-MOUNT PLEASANT, LLC, A DELAWARE LIMITED LIABILITY COMPANY	TLE	---	---	---	---	230

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	PROJECT 2260-00-21	VARIES	2017
STH 31	CSM 3004	VARIES	2012
STH 31	PROJECT 3340-00-23	140'	1997
STH 31	PROJECT 2390-01-21	140'	1975
STH 31	T 014-3(34)	140'	1972
STH 11 (DURAND AVE)	PROJECT 2260-00-21	VARIES	2017
STH 11 (DURAND AVE)	CSM 3004	VARIES	2012
STH 11 (DURAND AVE)	T 014-3(34)	VARIES	1971
TIMBER DR	CSM 3004	VARIES	2012

COURSE TABLE

COURSE	BEARING	DISTANCE
1000-1001	N02° 24' 54"E	86.64'
1001-1002	N56° 23' 58"E	40.82'
1002-1003	N27° 24' 38"E	18.66'
1003-1004	N16° 24' 09"E	31.34'
1004-1005	N13° 00' 02"E	172.65'
1005-1006	S77° 00' 50"E	0.99'
1006-1007	N13° 00' 28"E	89.68'
1007-1008	N19° 53' 11"E	29.85'
1008-PRW1009	N12° 57' 38"E	144.59'
PRW1009-PRW1010	N00° 21' 29"E	12.58'
PRW1010-PLE1011	N58° 15' 10"W	2.64'
PLE1011-PLE1012	N12° 43' 08"E	79.55'
PLE1012-1013	S77° 02' 13"E	5.58'
1013-1014	N12° 57' 38"E	314.17'
1014-1015	N13° 16' 44"E	342.66'
1015-1016	S87° 38' 05"E	71.29'
1016-1017	S87° 38' 05"E	71.29'
1017-1018	S13° 16' 44"W	369.27'
1018-PRW1019	S12° 57' 38"W	310.25'
PRW1019-PRW1020	S42° 51' 27"E	7.26'
PRW1020-PRW1021	S12° 57' 35"W	65.03'
PRW1021-PRW1022	S70° 00' 51"W	7.16'
PRW1022-1023	S12° 57' 38"W	458.53'
1023-1024	S24° 20' 43"E	16.57'
1024-1025	S02° 24' 54"W	117.88'
1025-1026	N87° 35' 06"W	103.35'
1026-1000	N87° 35' 06"W	95.15'

PLE COURSE TABLE

COURSE	BEARING	DISTANCE
PRW1009-PLE1031	N00° 21' 29"E	2.16'
PLE1031-PLE1030	N77° 02' 25"W	2.02'
PLE1030-PLE1011	N01° 04' 30"W	11.36'
PRW1010-PLE1031	S00° 21' 29"W	10.42'
PLE1012-PLE1032	N24° 33' 46"E	10.20'
PLE1032-PLE1033	S77° 02' 22"E	3.53'
PLE1033-1013	S12° 57' 38"W	9.99'
PLE1033-1014	N12° 57' 38"E	304.18'
PRW1019-PLE1034	S77° 02' 40"E	19.00'
PLE1034-PLE1035	S12° 57' 35"W	78.50'
PLE1035-PLE1036	N77° 02' 25"W	19.01'
PLE1036-PRW1022	N12° 57' 38"E	5.50'
PLE1036-1023	S12° 57' 38"W	453.03'

TLE STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
TLE1040	120+78.93	112.57'
TLE1041	120+93.45	98.82'
TLE1042	120+86.58	91.56'
TLE1043	125+54.58	70.01'
TLE1044	125+54.48	79.96'
TLE1045	125+88.77	80.33'
TLE1046	126+05.54	141.71'
TLE1047	126+75.97	87.51'
TLE1048	127+31.13	72.00'
TLE1049	128+48.32	72.00'
TLE1050	128+48.32	70.00'
TLE1051	131+96.26	70.00'
TLE1052	131+96.26	75.98'
TLE1053	130+77.52	75.83'
TLE1054	130+77.51	70.00'
TLE1055	128+99.93	70.00'
TLE1056	128+99.93	85.00'
TLE1057	127+83.57	85.00'
TLE1058	127+83.56	70.00'
TLE1059	126+85.51	70.00'
TLE1060	126+75.42	128.28'
TLE1061	126+05.20	111.97'
TLE1062	125+90.72	79.80'
TLE1063	124+89.12	78.88'
TLE1064	124+87.47	69.99'
TLE1065	126+05.54	102.09'

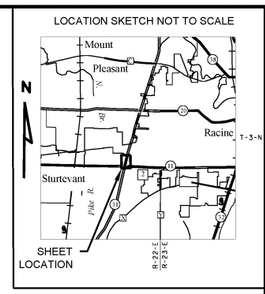
STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
1000	119+82.57	93.55'
1001	120+67.74	109.40'
1002	120+97.38	81.33'
1003	121+15.45	76.68'
1004	121+46.73	74.79'
1005	123+19.38	74.67'
1006	123+19.38	73.68'
1007	124+09.06	73.61'
1008	124+38.70	70.01'
PRW1009	125+83.29	70.01'
PRW1010	125+95.56	72.75'
PLE1011	125+96.41	75.25'
PLE1012	126+75.97	75.58'
1013	126+75.96	70.00'
1014	129+89.935	70.00'
1015	133+32.41	70.00'
1016	133+45.91	0.00'
1017	133+59.40	70.00'
1018	129+89.74	70.00'
PRW1019	126+79.50	70.00'
PRW1020	126+75.42	76.00'
PRW1021	126+10.39	76.00'
PRW1022	126+06.50	70.00'
1023	121+47.97	69.99'
1024	121+34.79	80.03'
1025	120+18.89	101.60'
1026	119+99.98	0.00'
PLE1030	125+85.40	72.49'
PLE1031	125+85.40	70.48'
PLE1032	126+85.96	73.53'
PLE1033	126+85.96	70.00'
PLE1034	126+79.50	89.00'
PLE1035	126+01.00	89.00'
PLE1036	126+01.00	70.00'

EXISTING MONUMENTS

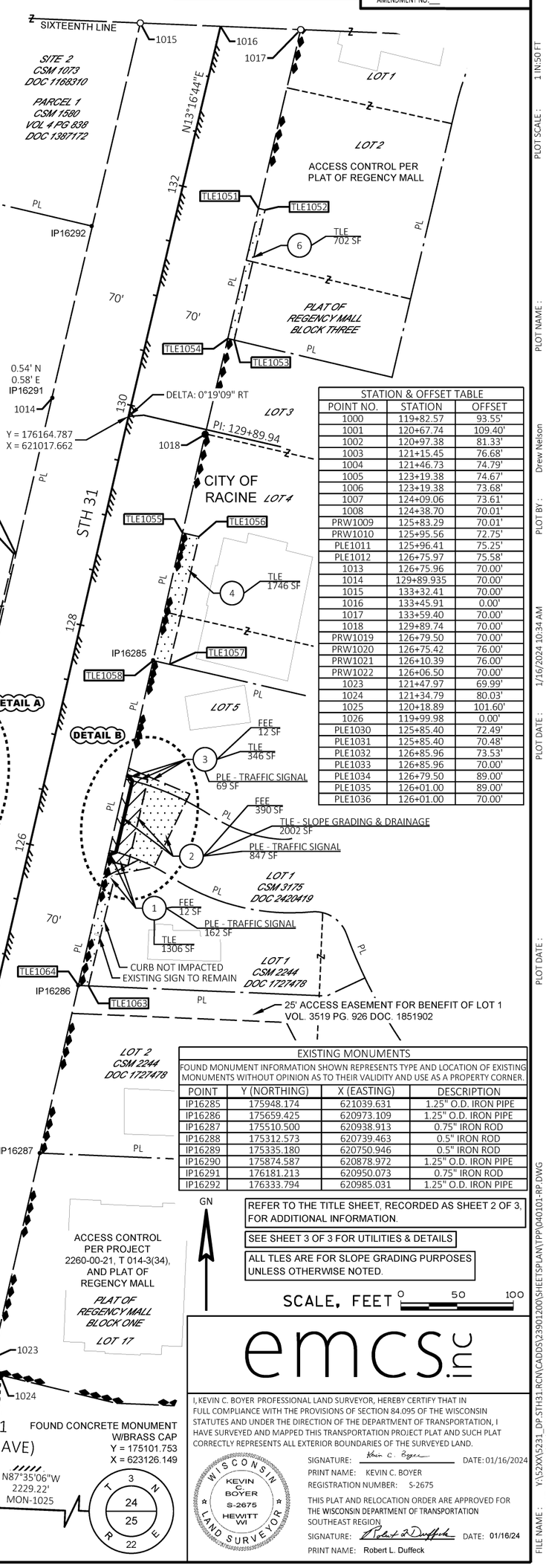
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16285	175948.174	621039.631	1.25" O.D. IRON PIPE
IP16286	175659.425	620973.109	1.25" O.D. IRON PIPE
IP16287	175510.500	620938.913	0.75" IRON ROD
IP16288	175312.573	620739.463	0.5" IRON ROD
IP16289	175335.180	620750.946	0.5" IRON ROD
IP16290	175874.587	620878.972	1.25" O.D. IRON PIPE
IP16291	176181.213	620950.073	0.75" IRON ROD
IP16292	176333.794	620985.031	1.25" O.D. IRON PIPE



Document # 2669720
RACINE COUNTY REGISTER OF DEEDS
January 17, 2024 1:48 PM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-0000025249
Pages: 3
681

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.01
SHEET 1 OF 3
AMENDMENT NO:___



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES & DETAILS

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 01/16/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 01/16/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.01 | 1 IN:50 FT | Drew Nelson | 1/16/2024 10:34 AM | PLOT DATE: | PLOT DATE: | PLOT DATE: | Y:\S2XX\S231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\PP\040101-RP.DWG | APPRAISAL PLAT DATE: 12/18/2023

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.01
UTILITY AND EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASNT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

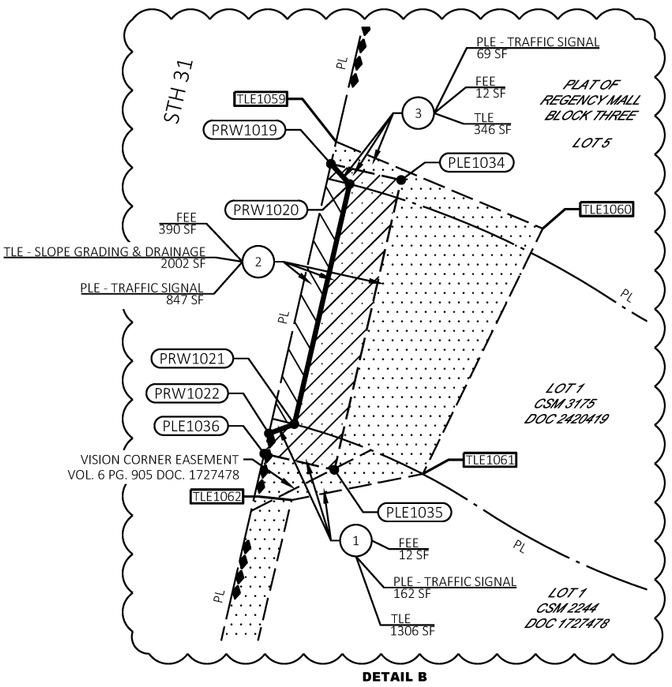
UTILITY INTERESTS REQUIRED

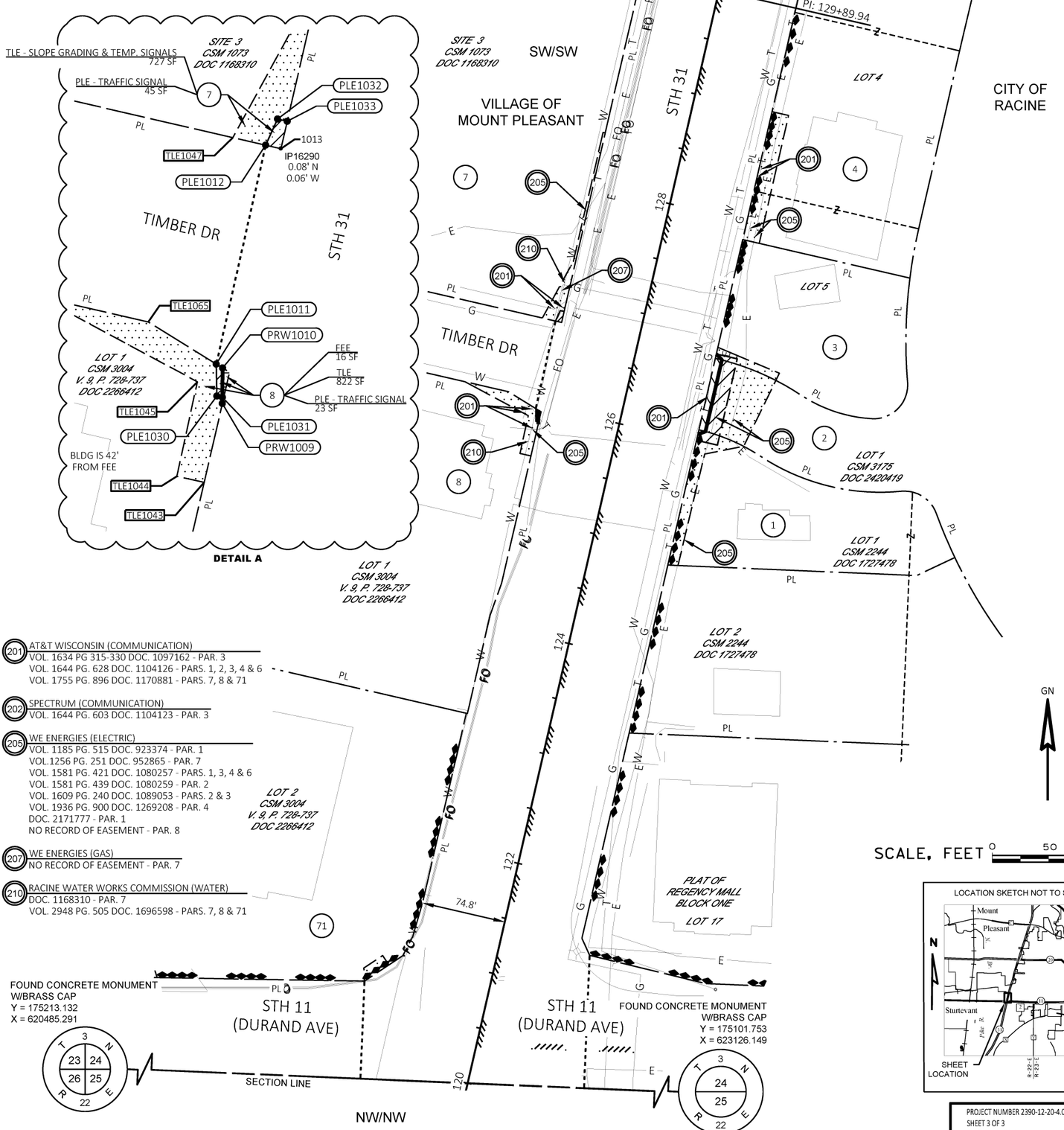
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
202	SPECTRUM (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

682

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, FOR ADDITIONAL INFORMATION.

DETAILS ARE NOT TO SCALE





201 AT&T WISCONSIN (COMMUNICATION)
VOL. 1634 PG 315-330 DOC. 1097162 - PAR. 3
VOL. 1644 PG. 628 DOC. 1104126 - PARS. 1, 2, 3, 4 & 6
VOL. 1755 PG. 896 DOC. 1170881 - PARS. 7, 8 & 71

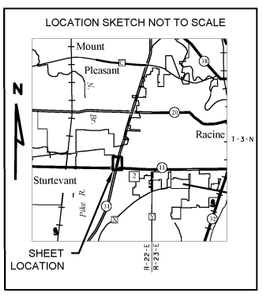
202 SPECTRUM (COMMUNICATION)
VOL. 1644 PG. 603 DOC. 1104123 - PAR. 3

205 WE ENERGIES (ELECTRIC)
VOL. 1185 PG. 515 DOC. 923374 - PAR. 1
VOL.1256 PG. 251 DOC. 952865 - PAR. 7
VOL. 1581 PG. 421 DOC. 1080257 - PARS. 1, 3, 4 & 6
VOL. 1581 PG. 439 DOC. 1080259 - PAR. 2
VOL. 1609 PG. 240 DOC. 1089053 - PARS. 2 & 3
VOL. 1936 PG. 900 DOC. 1269208 - PAR. 4
DOC. 2171777 - PAR. 1
NO RECORD OF EASEMENT - PAR. 8

207 WE ENERGIES (GAS)
NO RECORD OF EASEMENT - PAR. 7

210 RACINE WATER WORKS COMMISSION (WATER)
DOC. 1168310 - PAR. 7
VOL. 2948 PG. 505 DOC. 1696598 - PARS. 7, 8 & 71

LOCATION SKETCH NOT TO SCALE



PROJECT NUMBER 2390-12-20-4.01
SHEET 3 OF 3
AMENDMENT NO:___

2390-12-20-4.01
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : Drew Nelson
PLOT DATE : 1/16/2024 10:58 AM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 12/18/2023

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 4

AMENDMENT AMENDS PARCEL 5, TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.02 RECORDED AS DOCUMENT NUMBER 2697415.

THAT PART OF PARCEL 2 CSM 1580, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF PARCELS 1 AND 3 CSM 1255, LOT 4 CSM 1170, LOT 1 CSM 1169, LOT 1 CSM 1276, LOT 2 CSM 3467, PARCEL 1 CSM 1528, LOT 1 CSM 1395, LOT 2A CSM 3637 AND LOT 1 BLOCK THREE OF THE PLAT OF REGENCY MALL, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			PLE	TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT	SQ FT
2	PENNY RACINE, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	166	1931
5	RACINE MALL, LLC, A GEORGIA LIMITED LIABILITY COMPANY	TLE	---	---	---	---	1883
6	CADANO-CLEON, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	194	643
9	REALTY INCOME PROPERTIES 3, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	493	7147
11	NS RETAIL HOLDINGS, LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	878	---	878	2687	4173
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/TLE	741	---	741	---	3761
13	BMC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AND MARC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, EACH TO AN UNDIVIDED FIFTY PERCENT (50%) INTREST AS TENANTS IN COMMON	FEE/TLE	2205	---	2205	---	10136
14	REGENCY POINT LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE/TLE	811	---	811	---	2450
16	MCDONALD'S CORPORATION, A DELAWARE CORPORATION	FEE/PLE/TLE	3	---	3	82	643
17	REGENCY DRIVE BREW PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	30	591

NOTES:

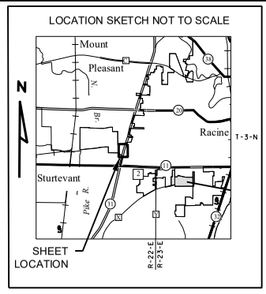
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

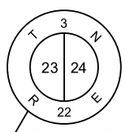
ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG REGENCY WEST DR HAS BEEN ESTABLISHED FROM CSM 1170, CSM 1255, CSM 1580, CSM 1169, AND PLAT OF REGENCY MALL.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

LOCATION SKETCH NOT TO SCALE





RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.02 A4
SHEET 1 OF 3
AMENDMENT NO: 4

683

FOUND CAST IRON MONUMENT W/BRASS CAP Y = 177860.655 X = 620471.154

FOUND CONCRETE MONUMENT W/BRASS CAP Y = 177753.509 X = 623120.963

S87°41'04"E 911.32' MON-PRW2000

N87°41'04"W 1610.31' MON-PRW2002

SEE 2390-12-20-4.03

SW/NW

QUARTER LINE

PRW2000

PRW2002

TLE2050

TLE2082

TLE2051

TLE2052

EXCLUDING SIGN

ACCESS CONTROL PER CSM 1169

LOT 1 CSM 1169 VOL 3 PG 426 DOC 1207187

IP16283

146

TLE 3761 SF

FEE 741 SF

LOT 1 CSM 1276 VOL 4 PG 36 DOC 1243897

ACCESS CONTROL PER CSM 1276

EXCLUDING SIGN

TLE2053

TLE2054

TLE2081

144

60'

60'

PARCEL - 1 CSM 1255 VOL 3 PG 652-657 DOC 1236698

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

FEE 2205 SF

TLE - SLOPE GRADING & DRAINAGE 10136 SF

13

TRAFFIC CONTROL SIGNAL AGREEMENT SIGNED BY WISDOT 12/15/92

35' INGRESS AND EGRESS EASEMENT V 1827 P 189 DOC 1209322

DETAIL D

142

DETAIL A

TLE 2679 SF

FEE 878 SF

11

LOT 2 CSM 3467 VOL 41 PG 10 DOC 2606763

DETENTION POND STORM WATER EASEMENT CSM 3467

TLE - SLOPE GRADING & DRAINAGE 1494 SF

PLE - TRAFFIC SIGNAL 2687 SF

CITY OF RACINE

NW/SW

TLE - SLOPE GRADING & DRAINAGE 6892 SF

9

PLE - TRAFFIC SIGNAL 493 SF

PARCEL - 3 CSM 1255 VOL 3 PG 652-657 DOC 1236698

ACCESS CONTROL PER CSM 1255

BLDG IS 35' FROM FEE

TLE 2450 SF

FEE 811 SF

14

2014

PRW2030

STH 31

DETAIL E

ACCESS CONTROL PER CSM 1255

PARCEL - 3 CSM 1255 VOL 3 PG 652-657 DOC 1236698

TLE 2450 SF

FEE 811 SF

14

140

PARCEL 1 CSM 1528 VOL 4 PG 699 DOC 1343824

BLDG IS 35' FROM FEE

DETAIL E

SITE 1 CSM 1073 VOL 3 PG 180-181 DOC 1168310

TLE2076

TLE2075

IP16293

138

TLE2060

TLE2061

PC: 135+97.12-2001
LCB=N15°12'42"E
LCH=1104.16'
L=1104.37'
R=16369.27'

CURVE 1
PI STA = 147+21.30
Y = 177849.853
X = 621415.339
DELTA = 7°51'27" RT
D = 0°21'00"
T = 1124.18'
L = 2244.83'
R = 16369.27'
PC STA = 135+97.12
Y = 176755.730
X = 621157.125
PT STA = 158+41.95
Y = 178898.404
X = 621820.704
DA = N21°08'11"E

LOT 3 CSM 1170 VOL 3 PG 429-431 DOC 1207188

PARCEL - 4 CSM 1255 VOL 3 PG 652-657 DOC 1236698

35' INGRESS AND EGRESS EASEMENT V 1827 P 189 DOC 1209322

ACCESS CONTROL PER CSM 1170

70'

70'

CURVE 1

LOT 4 CSM 1170 VOL 3 PG 429-431 DOC 1207188

PC: 135+97.12

PLE - TRAFFIC SIGNAL 82 SF

FEE 3 SF

TLE 643 SF

16

2045

136

TLE2063

TLE2062

REGENCY WEST DR

33'

33'

DETAIL C

2005

TLE 255 SF

TLE - SLOPE GRADING & DRAINAGE 1883 SF

9

10' LANDSCAPE EASEMENT VOL. 1615 PG. 210 DOC. 1090987

DETAIL B

N13°16'44"E

LOT 1 CSM 1305 VOL 4 PG 351 DOC 1276690

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1580	140'	1992
STH 31	CSM 1170	140'	1989
STH 31	PROJECT 2390-01-21	120' & 140'	1975
STH 31	PROJECT 1322-01-21	103' & 140'	1971
REGENCY WEST DR	CSM 1580	66'	1992
REGENCY WEST DR	CSM 1170	66'	1989

GN

SCALE, FEET 0 50 100

PLE - TRAFFIC SIGNAL 30 SF

TLE 591 SF

17

PARCEL 2 CSM 1580 VOL 4 PG 838 DOC 1387172

VILLAGE OF MOUNT PLEASANT

ACCESS CONTROL PER CSM 1580

5

LOT 2A CSM 3637 DOC 2698059

2

PLE - TRAFFIC SIGNAL & DRAINGE 166 SF

TLE - SLOPE GRADING & DRAINAGE 1931 SF

TLE 179 SF

6

PLAT OF REGENCY MALL BLOCK THREE LOT 1

ACCESS CONTROL PER PLAT OF REGENCY MALL

TLE 464 SF

PLE - TRAFFIC SIGNAL & DRAINGE 194 SF

1015

IP16268

1016

1017

SEE 2390-12-20-4.01

SW/SW

SIXTEENTH LINE

134

70'

70'

emcs LLC

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE:5/28/2025

PRINT NAME: KEVIN C. BOYER

REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 05/28/2025

PRINT NAME: Robert L. Duffeck

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 04.DWG
APPRAISAL PLAT DATE : 06/27/2024
PLOT DATE : 5/28/2025 7:43 AM
PLOT BY : Michaela Galganski
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
2390-12-20-4.02 A4

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 4
EXTENSION SHEET

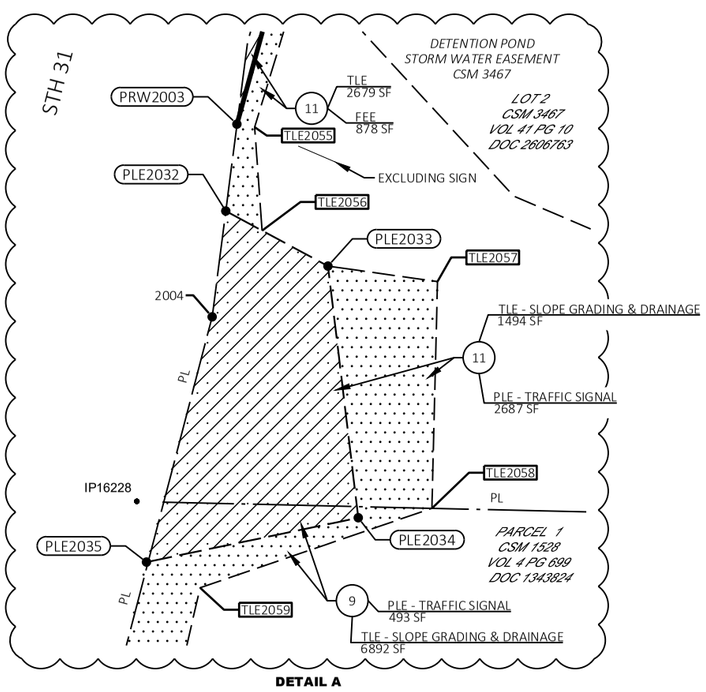
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

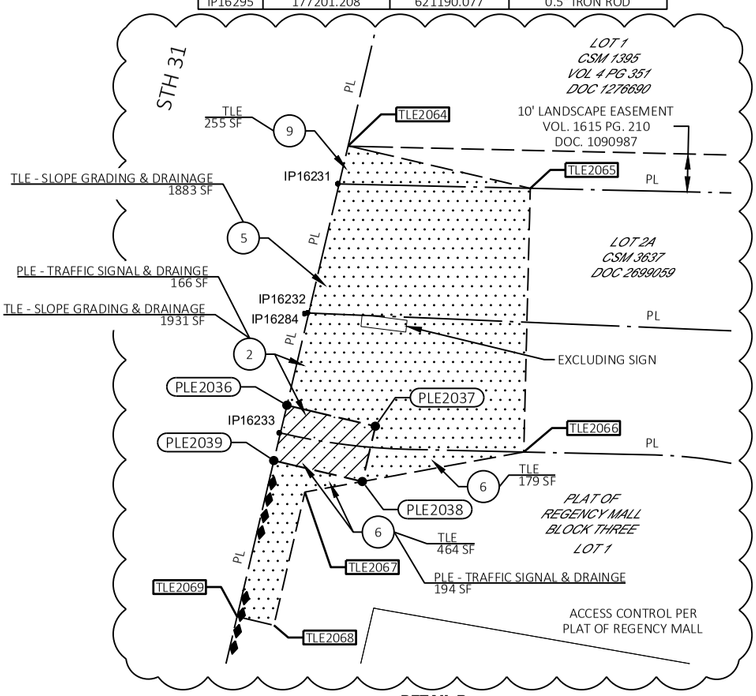
EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16228	177191.809	621332.004	PK NAIL
IP16231	176669.531	621208.357	0.75" IRON ROD
IP16232	176635.448	621200.365	1.50" O.D. IRON PIPE
IP16233	176603.784	621192.898	0.75" IRON ROD
IP16268	176523.480	621030.597	1.75" O.D. IRON PIPE
IP16283	177726.738	621480.513	2.38" O.D. IRON PIPE
IP16284	176635.242	621199.522	0.75" O.D. IRON PIPE
IP16293	176983.162	621139.977	0.75" IRON ROD
IP16294	177201.241	621190.210	0.5" IRON ROD
IP16295	177201.208	621190.077	0.5" IRON ROD

GN

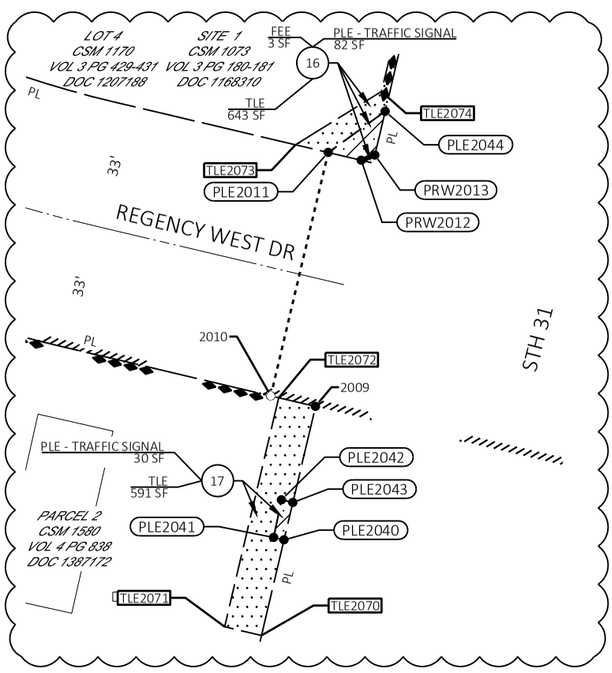
684



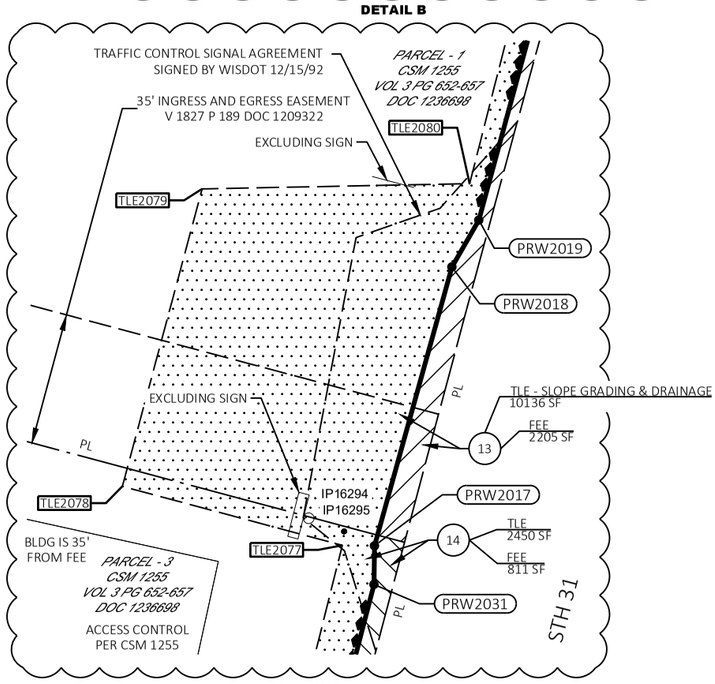
DETAIL A



DETAIL B



DETAIL C



DETAIL D

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1015	133+32.41	70.00'
1016	133+45.91	0.00'
1017	133+59.40	70.00'
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW2003	141+66.99	63.00'
2004	141+15.99	70.00'
2005	135+97.12	70.00'
2009	134+56.96	70.00'
2010	134+56.96	82.14'
PLE2011	135+22.96	82.13'
PRW2012	135+22.96	73.15'
PRW2013	135+25.13	70.00'
2014	138+73.54	70.00'
PRW2017	140+34.68	67.42'
PRW2018	141+10.73	66.65'
PRW2019	141+24.46	63.00'
PRW2030	138+74.71	65.00'
PRW2031	140+24.81	64.94'
PLE2032	141+44.00	66.18'
PLE2033	141+37.00	96.00'
PLE2034	140+74.50	121.00'
PLE2035	140+48.70	70.00'
PLE2036	134+65.00	70.00'
PLE2037	134+65.00	94.00'
PLE2038	134+50.00	94.00'
PLE2039	134+50.00	70.00'
PLE2040	134+20.77	70.00'
PLE2041	134+20.77	72.83'
PLE2042	134+30.92	73.08'
PLE2043	134+30.92	70.00'
PLE2044	135+36.98	70.00'
2045	135+97.12	70.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2051	146+25.32	75.03'
TLE2052	146+26.30	78.23'
TLE2053	144+77.97	81.28'
TLE2054	144+75.22	73.78'
TLE2055	141+67.47	67.69'
TLE2056	141+41.52	76.77'
TLE2057	141+40.64	124.96'
TLE2058	140+82.01	139.11'
TLE2059	140+45.77	85.40'
TLE2060	138+61.42	90.23'
TLE2061	138+59.57	82.18'
TLE2062	136+22.33	82.70'
TLE2063	136+05.22	70.00'
TLE2064	135+35.38	70.00'
TLE2065	135+35.50	119.36'
TLE2066	134+67.37	133.66'
TLE2067	134+43.81	79.88'
TLE2068	134+07.72	80.00'
TLE2069	134+07.72	70.00'
TLE2070	133+94.85	70.00'
TLE2071	133+94.85	80.00'
TLE2072	134+56.96	80.00'
TLE2073	135+22.96	91.00'
TLE2074	135+41.86	72.17'
TLE2075	138+13.65	72.24'
TLE2076	138+13.56	74.18'
TLE2077	140+32.63	75.66'
TLE2078	140+32.85	135.75'
TLE2079	141+13.47	135.66'
TLE2080	141+33.09	67.88'
TLE2081	143+98.90	73.92'
TLE2082	146+83.60	67.84'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-2001	S87° 41' 04"E	65.16'
2001-PRW2002	S87° 41' 04"E	65.18'
PRW2002-PRW2003	SEE CURVE DATA	
PRW2003-2004	S07° 20' 14"W	51.27'
2004-2005	SEE CURVE DATA	
2005-1017	S13° 16' 44"W	237.71'
1017-1016	N87° 38' 05"W	71.29'
1016-1015	N87° 38' 05"W	71.29'
1015-2009	N13° 16' 44"E	124.55'
2009-2010	N76° 43' 12"W	12.14'
2010-PLE2011	N13° 16' 48"E	66.00'
PLE2011-PRW2012	S76° 43' 12"E	8.98'
PRW2012-PRW2013	N68° 41' 03"E	3.83'
PRW2013-2045	N13° 16' 44"E	71.98'
2045-2014	SEE CURVE DATA	
2014-PRW2030	S89° 02' 55"E	5.14'
PRW2030-PRW2031	N14°32'10"E	150.69'
PRW2031-PRW2017	N00° 44' 17"E	10.22'
PRW2017-PRW2018	N15° 31' 17"E	76.36'
PRW2018-PRW2019	N29° 56' 26"E	14.26'
PRW2019-PRW2000	SEE CURVE DATA	

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2003-PLE2032	S07° 20' 14"W	23.11'
PLE2032-PLE2033	S61° 40' 32"E	30.63'
PLE2033-PLE2034	S06° 52' 25"E	66.93'
PLE2034-PLE2035	S78° 12' 25"W	57.09'
PLE2035-2004	SEE CURVE DATA	
2004-PLE2032	N07° 20' 14"E	28.16'
PLE2035-2005	SEE CURVE DATA	
1017-PLE2039	N13° 16' 44"E	90.60'
PLE2039-PLE2036	N13° 16' 44"E	15.00'
PLE2036-PLE2037	S76° 43' 16"E	24.00'
PLE2037-PLE2038	S13° 16' 44"W	15.00'
PLE2038-PLE2039	N76° 43' 16"W	24.00'
PLE2036-2005	N13° 16' 44"E	132.40'
1015-PLE2040	N13° 16' 44"E	88.36'
PLE2040-PLE2041	N76° 43' 16"W	2.83'
PLE2041-PLE2042	N11° 50' 17"E	10.15'
PLE2042-PLE2043	S76° 43' 16"E	3.08'
PLE2043-PLE2040	S13° 16' 44"W	10.14'
PLE2043-2009	N13° 16' 44"E	26.04'
PLE2011-PLE2044	N54° 09' 26"E	18.54'
PLE2044-PRW2013	S13° 16' 44"W	11.84'
2045-PLE2044	S13° 16' 44"W	60.14'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2002-PRW2003
LCB=S16°14'18"W
LCH=549.10'
L=549.12'
R=16306.27'

2004-2005
LCB=S14°11'13"W
LCH=516.63'
L=516.65'
R=16299.27'

PLE2035-2004
LCB=S14°58'38"W
LCH=67.00'
L=67.00'
R=16299.27'

PLE2035-2005
LCB=S14°04'09"W
LCH=449.64'
L=449.65'
R=16299.27'

2045-2014
LCB=N13°45'46"E
LCH=277.60'
L=277.60'
R=16439.27'

PRW2019-PRW2000
LCB=N16°06'20"E
LCH=562.54'
L=562.57'
R=16432.27'

PROJECT NUMBER 2390-12-20-4.02 A4
SHEET 2 OF 3
AMENDMENT NO: 4

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 04.DWG
APPRAISAL PLAT DATE : 06/27/2024
PLOT DATE : 5/28/2025 7:43 AM
PLOT BY : Michaela Galganski
PLOT NAME : ##########
PLOT SCALE : 2390-12-20-4.02 A4

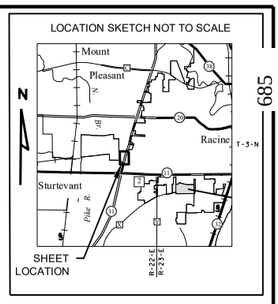
COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 4
UTILITY SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

LOCATION SKETCH NOT TO SCALE



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

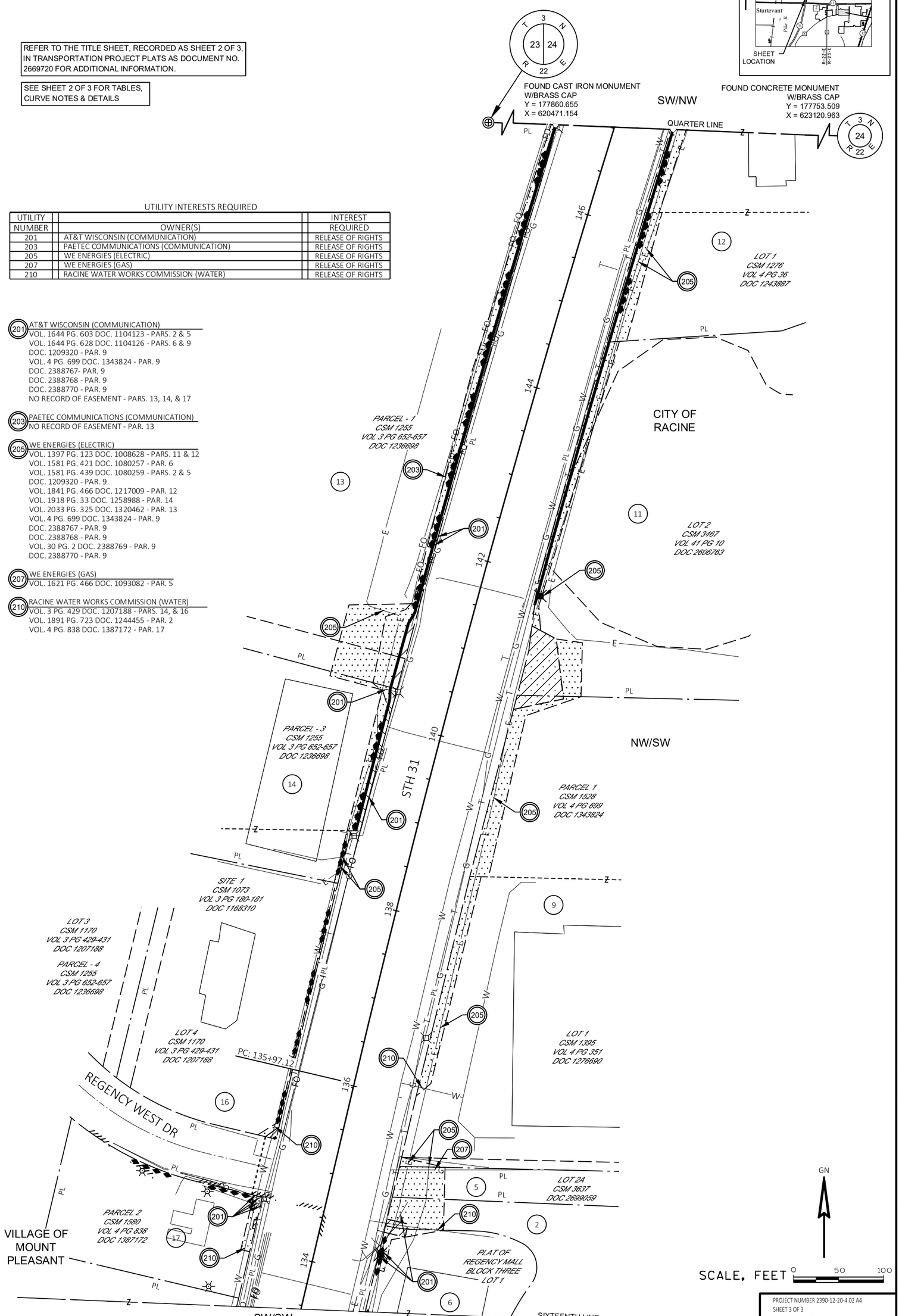
(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1644 PG. 603 DOC. 1104123 - PARS. 2 & 5
VOL. 1644 PG. 628 DOC. 1104126 - PARS. 6 & 9
DOC. 1209320 - PAR. 9
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767- PAR. 9
DOC. 2388768 - PAR. 9
DOC. 2388770 - PAR. 9
NO RECORD OF EASEMENT - PARS. 13, 14, & 17

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 13

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PARS. 11 & 12
VOL. 1581 PG. 421 DOC. 1080257 - PAR. 6
VOL. 1581 PG. 439 DOC. 1080259 - PARS. 2 & 5
DOC. 1209320 - PAR. 9
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 1918 PG. 33 DOC. 1258988 - PAR. 14
VOL. 2033 PG. 325 DOC. 1320462 - PAR. 13
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767 - PAR. 9
DOC. 2388768 - PAR. 9
VOL. 30 PG. 2 DOC. 2388769 - PAR. 9
DOC. 2388770 - PAR. 9

(207) WE ENERGIES (GAS)
VOL. 1621 PG. 466 DOC. 1093082 - PAR. 5

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 3 PG. 429 DOC. 1207188 - PARS. 14, & 16
VOL. 1891 PG. 723 DOC. 1244455 - PAR. 2
VOL. 4 PG. 838 DOC. 1387172 - PAR. 17



PROJECT NUMBER 2390-12-20-4.02 A4
SHEET 3 OF 3
AMENDMENT NO: 4

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 04.DWG
PLOT DATE : 5/28/2025 7:44 AM
PLOT BY : Michaela Galganski
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
2390-12-20-4.02 A4
685
APPRAISAL PLAT DATE : 06/27/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 3

AMENDMENT AMENDS PARCEL 5, TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.02 RECORDED AS DOCUMENT NUMBER 2673359.

THAT PART OF PARCEL 2 CSM 1580, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF PARCELS 1 AND 3 CSM 1255, LOT 4 CSM 1170, LOT 1 CSM 1169, LOT 1 CSM 1276, LOT 2 CSM 3467, PARCEL 1 CSM 1528, LOT 1 CSM 1395, LOT 2 CSM 3590 AND LOT 1 BLOCK THREE OF THE PLAT OF REGENCY MALL, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			PLE	TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ.FT	SQ.FT
2	PENNY RACINE, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	166	1931
5	RACINE MALL, LLC, A GEORGIA LIMITED LIABILITY COMPANY	TLE	---	---	---	---	1883
6	CADANO-CLEON, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	194	643
9	REALTY INCOME PROPERTIES 3, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	493	7147
11	NS RETAIL HOLDINGS, LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	878	---	878	2687	4173
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/TLE	741	---	741	---	3761
13	BMC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AND MARC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, EACH TO AN UNDIVIDED FIFTY PERCENT (50%) INTREST AS TENANTS IN COMMON	FEE/TLE	2205	---	2205	---	10136
14	REGENCY POINT LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE/TLE	811	---	811	---	2450
16	MCDONALD'S CORPORATION, A DELAWARE CORPORATION	FEE/PLE/TLE	3	---	3	82	643
17	REGENCY DRIVE BREW PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	30	591

NOTES:

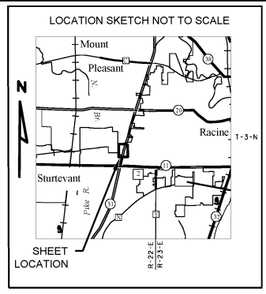
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG REGENCY WEST DR HAS BEEN ESTABLISHED FROM CSM 1170, CSM 1255, CSM 1580, CSM 1169, AND PLAT OF REGENCY MALL.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

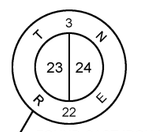
LOCATION SKETCH NOT TO SCALE



Document # 2697415
RACINE COUNTY REGISTER OF DEEDS
March 28, 2025 11:14 AM
KARE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO #39500-0000025249
Pages: 3

686

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.02
SHEET 1 OF 3
AMENDMENT NO: 3



FOUND CAST IRON MONUMENT W/BRASS CAP
Y = 177860.655
X = 620471.154

FOUND CONCRETE MONUMENT W/BRASS CAP
Y = 177753.509
X = 623120.963

S87°41'04"E 911.32' MON-PRW2000

N87°41'04"W 1610.31' MON-PRW2002

SW/NW

QUARTER LINE

SEE 2390-12-20-4.03

PRW2000

PRW2002

TLE2082

TLE2050

TLE2051

TLE2052

EXCLUDING SIGN

ACCESS CONTROL PER CSM 1169

LOT 1 CSM 1169 VOL 3 PG 426 DOC 1207187

IP16283

146

TLE 3761 SF
FEE 741 SF

LOT 1 CSM 1276 VOL 4 PG 36 DOC 1243897

ACCESS CONTROL PER CSM 1276

EXCLUDING SIGN

TLE2053

TLE2054

TLE2081

144

60'

60'

PARCEL - 1 CSM 1255 VOL 3 PG 652-657 DOC 1236698

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

FEE 2205 SF

TLE - SLOPE GRADING & DRAINAGE 10136 SF

13

TRAFFIC CONTROL SIGNAL AGREEMENT SIGNED BY WISDOT 12/15/92

35' INGRESS AND EGRESS EASEMENT V 1827 P 189 DOC 1209322

DETAIL D

142

DETAIL A

TLE 2679 SF
FEE 878 SF

11

LOT 2 CSM 3467 VOL 41 PG 10 DOC 2606763

DETENTION POND STORM WATER EASEMENT CSM 3467

TLE - SLOPE GRADING & DRAINAGE 1494 SF

PLE - TRAFFIC SIGNAL 2687 SF

CITY OF RACINE

NW/SW

TLE - SLOPE GRADING & DRAINAGE 6892 SF

9

PLE - TRAFFIC SIGNAL 493 SF

PARCEL - 3 CSM 1255 VOL 3 PG 652-657 DOC 1236698

ACCESS CONTROL PER CSM 1255

BLDG IS 35' FROM FEE

2014

PRW2030

STH 31

TLE 2450 SF
FEE 811 SF

14

DETAIL E

ACCESS CONTROL PER CSM 1255

PARCEL - 3 CSM 1255 VOL 3 PG 652-657 DOC 1236698

TLE 2450 SF
FEE 811 SF

14

140

STH 31

PARCEL 1 CSM 1528 VOL 4 PG 699 DOC 1343824

BLDG IS 35' FROM FEE

DETAIL E

SITE 1 CSM 1073 VOL 3 PG 180-181 DOC 1168310

TLE2076

TLE2075

IP16293

138

TLE2060

TLE2061

PC: 135+97.12
LCB=N15°12'42"E
LCH=1104.16'
L=1104.37'
R=16369.27'

CURVE 1
PI STA = 147+21.30
Y = 177849.853
X = 621415.339
DELTA = 7°51'27" RT
D = 0°21'00"
T = 1124.18'
L = 2244.83'
R = 16369.27'
PC STA = 135+97.12
Y = 176755.730
X = 621157.125
PT STA = 158+41.95
Y = 178898.404
X = 621820.704
DA = N21°08'11"E

LOT 3 CSM 1170 VOL 3 PG 429-431 DOC 1207188

PARCEL - 4 CSM 1255 VOL 3 PG 652-657 DOC 1236698

35' INGRESS AND EGRESS EASEMENT V 1827 P 189 DOC 1209322

70'

70'

CURVE 1

ACCESS CONTROL PER CSM 1170

LOT 4 CSM 1170 VOL 3 PG 429-431 DOC 1207188

PC: 135+97.12

PLE - TRAFFIC SIGNAL 82 SF

FEE 3 SF
TLE 643 SF

16

2045

136

TLE2063

TLE2062

DETAIL C

2005

TLE 255 SF

TLE - SLOPE GRADING & DRAINAGE 1883 SF

9

10' LANDSCAPE EASEMENT VOL. 1615 PG. 210 DOC. 1090987

LOT 1 CSM 1305 VOL 4 PG 351 DOC 1276690

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1580	140'	1992
STH 31	CSM 1170	140'	1989
STH 31	PROJECT 2390-01-21	120' & 140'	1975
STH 31	PROJECT 1322-01-21	103' & 140'	1971
REGENCY WEST DR	CSM 1580	66'	1992
REGENCY WEST DR	CSM 1170	66'	1989

GN

SCALE, FEET 0 50 100

REGENCY WEST DR

33'

33'

PLE - TRAFFIC SIGNAL 30 SF
TLE 591 SF

17

PARCEL 2 CSM 1580 VOL 4 PG 838 DOC 1387172

VILLAGE OF MOUNT PLEASANT

ACCESS CONTROL PER CSM 1580

1015

IP16268

SEE 2390-12-20-4.01

SW/SW

134

70'

70'

1016

1017

N13°16'44"E

DETAIL B

5

LOT 2 CSM 3590 DOC 2670701

2

PLE - TRAFFIC SIGNAL & DRAINGE 166 SF

TLE - SLOPE GRADING & DRAINAGE 1931 SF

TLE 179 SF

6

TLE 464 SF

PLAT OF REGENCY MALL BLOCK THREE LOT 1

ACCESS CONTROL PER PLAT OF REGENCY MALL

PLE - TRAFFIC SIGNAL & DRAINGE 194 SF

SIXTEENTH LINE

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 3/27/2025

PRINT NAME: KEVIN C. BOYER

REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 03/27/25

PRINT NAME: Robert L. Duffeck

2390-12-20-4.02 A3

PLOT SCALE : 1 IN:50 FT

PLOT NAME :

PLOT BY : Todd Copiskey

PLOT DATE : 3/27/2025 6:51 AM

PLOT DATE :

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADD\52390120OSHEETSPLAN\TPP\040101-RP-AMENDMENT 03.DWG

APPRAISAL PLAT DATE : 06/27/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

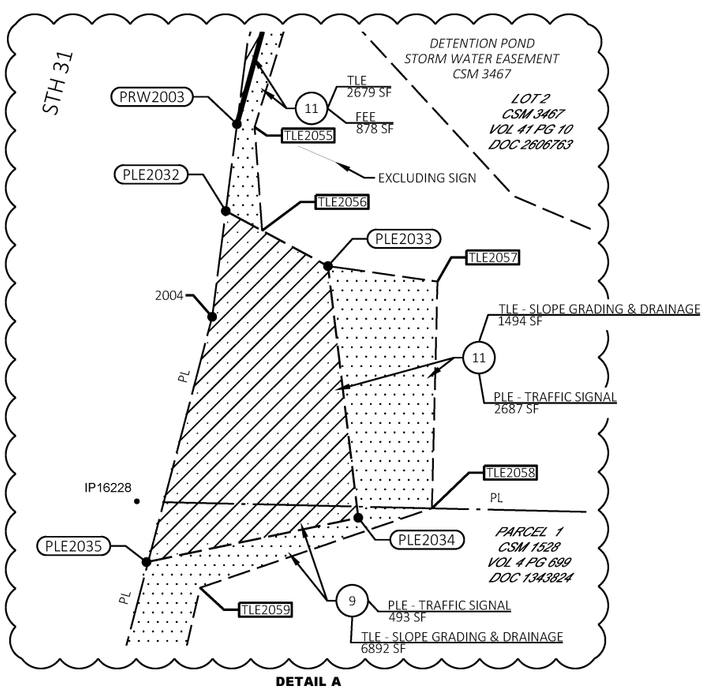
TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 3
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

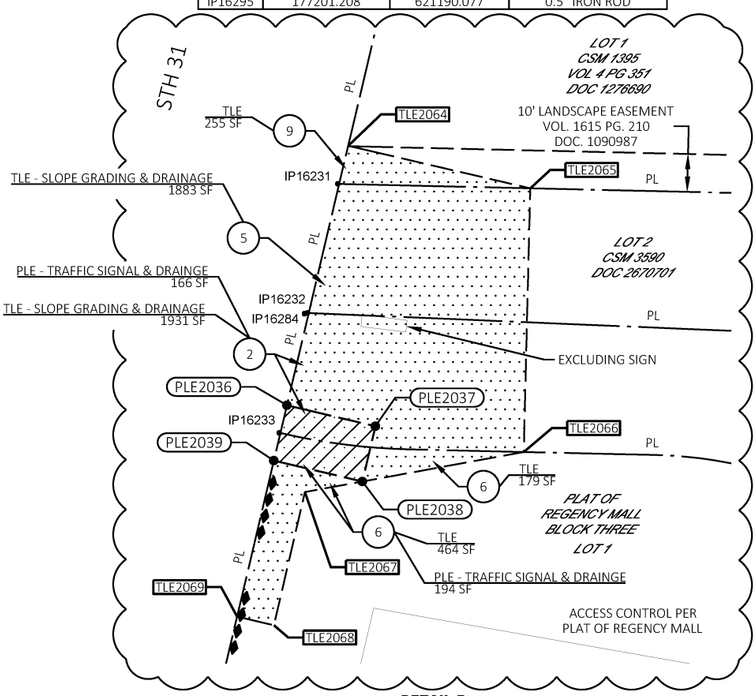
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16228	177191.809	621332.004	PK NAIL
IP16231	176669.531	621208.357	0.75" IRON ROD
IP16232	176635.448	621200.365	1.50" O.D. IRON PIPE
IP16233	176603.784	621192.898	0.75" IRON ROD
IP16268	176523.480	621030.597	1.75" O.D. IRON PIPE
IP16283	177726.738	621480.513	2.38" O.D. IRON PIPE
IP16284	176635.242	621199.522	0.75" O.D. IRON PIPE
IP16293	176983.162	621139.977	0.75" IRON ROD
IP16294	177201.241	621190.210	0.5" IRON ROD
IP16295	177201.208	621190.077	0.5" IRON ROD

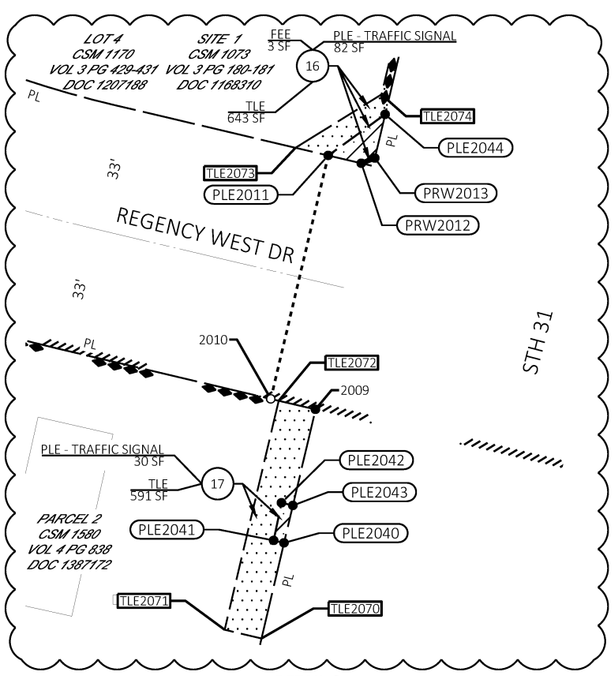
GN 687



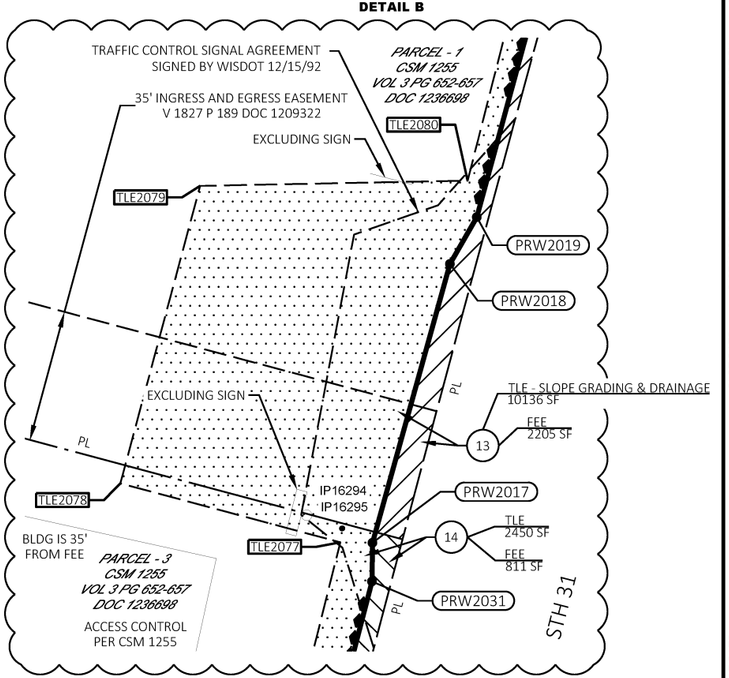
DETAIL A



DETAIL B



DETAIL C



DETAIL D

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1015	133+32.41	70.00'
1016	133+45.91	0.00'
1017	133+59.40	70.00'
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW2003	141+66.99	63.00'
2004	141+15.99	70.00'
2005	135+97.12	70.00'
2009	134+56.96	70.00'
2010	134+56.96	82.14'
PLE2011	135+22.96	82.13'
PRW2012	135+22.96	73.15'
PRW2013	135+25.13	70.00'
2014	138+73.54	70.00'
PRW2017	140+34.68	67.42'
PRW2018	141+10.73	66.65'
PRW2019	141+24.46	63.00'
PRW2030	138+74.71	65.00'
PRW2031	140+24.81	64.94'
PLE2032	141+44.00	66.18'
PLE2033	141+37.00	96.00'
PLE2034	140+74.50	121.00'
PLE2035	140+48.70	70.00'
PLE2036	134+65.00	70.00'
PLE2037	134+65.00	94.00'
PLE2038	134+50.00	94.00'
PLE2039	134+50.00	70.00'
PLE2040	134+20.77	70.00'
PLE2041	134+20.77	72.83'
PLE2042	134+30.92	73.08'
PLE2043	134+30.92	70.00'
PLE2044	135+36.98	70.00'
2045	135+97.12	70.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2051	146+25.32	75.03'
TLE2052	146+26.30	78.23'
TLE2053	144+77.97	81.28'
TLE2054	144+75.22	73.78'
TLE2055	141+67.47	67.69'
TLE2056	141+41.52	76.77'
TLE2057	141+40.64	124.96'
TLE2058	140+82.01	139.11'
TLE2059	140+45.77	85.40'
TLE2060	138+61.42	90.23'
TLE2061	138+59.57	82.18'
TLE2062	136+22.33	82.70'
TLE2063	136+05.22	70.00'
TLE2064	135+35.38	70.00'
TLE2065	135+35.50	119.36'
TLE2066	134+67.37	133.66'
TLE2067	134+43.81	79.88'
TLE2068	134+07.72	80.00'
TLE2069	134+07.72	70.00'
TLE2070	133+94.85	70.00'
TLE2071	133+94.85	80.00'
TLE2072	134+56.96	80.00'
TLE2073	135+22.96	91.00'
TLE2074	135+41.86	72.17'
TLE2075	138+13.65	72.24'
TLE2076	138+13.56	74.18'
TLE2077	140+32.63	75.66'
TLE2078	140+32.85	135.75'
TLE2079	141+13.47	135.66'
TLE2080	141+33.09	67.88'
TLE2081	143+98.90	73.92'
TLE2082	146+83.60	67.84'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-2001	S87° 41' 04"E	65.16'
2001-PRW2002	S87° 41' 04"E	65.18'
PRW2002-PRW2003	SEE CURVE DATA	
PRW2003-2004	S07° 20' 14"W	51.27'
2004-2005	SEE CURVE DATA	
2005-1017	S13° 16' 44"W	237.71'
1017-1016	N87° 38' 05"W	71.29'
1016-1015	N87° 38' 05"W	71.29'
1015-2009	N13° 16' 44"E	124.55'
2009-2010	N76° 43' 12"W	12.14'
2010-PLE2011	N13° 16' 48"E	66.00'
PLE2011-PRW2012	S76° 43' 12"E	8.98'
PRW2012-PRW2013	N68° 41' 03"E	3.83'
PRW2013-2045	N13° 16' 44"E	71.98'
2045-2014	SEE CURVE DATA	
2014-PRW2030	S89° 02' 55"E	5.14'
PRW2030-PRW2031	N14°32'10"E	150.69'
PRW2031-PRW2017	N00° 44' 17"E	10.22'
PRW2017-PRW2018	N15° 31' 17"E	76.36'
PRW2018-PRW2019	N29° 56' 26"E	14.26'
PRW2019-PRW2000	SEE CURVE DATA	

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2003-PLE2032	S07° 20' 14"W	23.11'
PLE2032-PLE2033	S61° 40' 32"E	30.63'
PLE2033-PLE2034	S06° 52' 25"E	66.93'
PLE2034-PLE2035	S78° 12' 25"W	57.09'
PLE2035-2004	SEE CURVE DATA	
2004-PLE2032	N07° 20' 14"E	28.16'
PLE2035-2005	SEE CURVE DATA	
1017-PLE2039	N13° 16' 44"E	90.60'
PLE2039-PLE2036	N13° 16' 44"E	15.00'
PLE2036-PLE2037	S76° 43' 16"E	24.00'
PLE2037-PLE2038	S13° 16' 44"W	15.00'
PLE2038-PLE2039	N76° 43' 16"W	24.00'
PLE2036-2005	N13° 16' 44"E	132.40'
1015-PLE2040	N13° 16' 44"E	88.36'
PLE2040-PLE2041	N76° 43' 16"W	2.83'
PLE2041-PLE2042	N11° 50' 17"E	10.15'
PLE2042-PLE2043	S76° 43' 16"E	3.08'
PLE2043-PLE2040	S13° 16' 44"W	10.14'
PLE2043-2009	N13° 16' 44"E	26.04'
PLE2011-PLE2044	N54° 09' 26"E	18.54'
PLE2044-PRW2013	S13° 16' 44"W	11.84'
2045-PLE2044	S13° 16' 44"W	60.14'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2002-PRW2003
LCB=S16°14'18"W
LCH=549.10'
L=549.12'
R=16306.27'

2004-2005
LCB=S14°11'13"W
LCH=516.63'
L=516.65'
R=16299.27'

PLE2035-2004
LCB=S14°58'38"W
LCH=67.00'
L=67.00'
R=16299.27'

PLE2035-2005
LCB=S14°04'09"W
LCH=449.64'
L=449.65'
R=16299.27'

2045-2014
LCB=N13°45'46"E
LCH=277.60'
L=277.60'
R=16439.27'

PRW2019-PRW2000
LCB=N16°06'20"E
LCH=562.54'
L=562.57'
R=16432.27'

PROJECT NUMBER 2390-12-20-4.02
SHEET 2 OF 3
AMENDMENT NO: 3

2390-12-20-4.02 A3
PLOT SCALE : ##########
PLOT NAME : Todd Copiskey
PLOT BY : 3/27/2025 6:51 AM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP STH31 RC\CADDS\2390120DSHEETSPLAN\TPP\040101-RP-AMENDMENT 03.DWG
APPRAISAL PLAT DATE : 06/27/2024

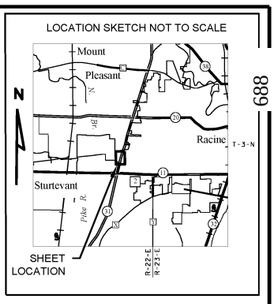
COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 3
UTILITY SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

LOCATION SKETCH NOT TO SCALE



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

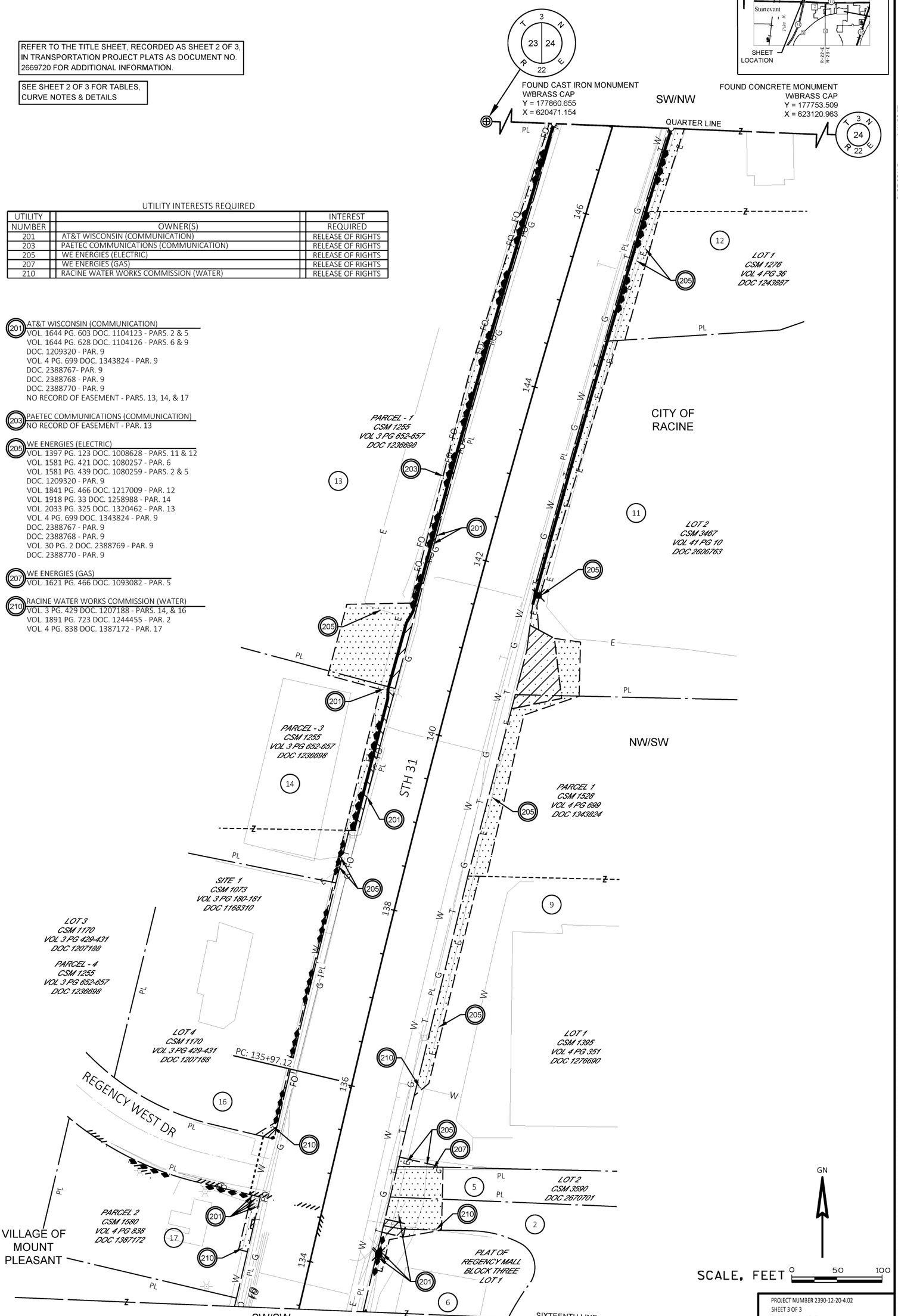
(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1644 PG. 603 DOC. 1104123 - PARS. 2 & 5
VOL. 1644 PG. 628 DOC. 1104126 - PARS. 6 & 9
DOC. 1209320 - PAR. 9
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767- PAR. 9
DOC. 2388768 - PAR. 9
DOC. 2388770 - PAR. 9
NO RECORD OF EASEMENT - PARS. 13, 14, & 17

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 13

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PARS. 11 & 12
VOL. 1581 PG. 421 DOC. 1080257 - PAR. 6
VOL. 1581 PG. 439 DOC. 1080259 - PARS. 2 & 5
DOC. 1209320 - PAR. 9
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 1918 PG. 33 DOC. 1258988 - PAR. 14
VOL. 2033 PG. 325 DOC. 1320462 - PAR. 13
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767 - PAR. 9
DOC. 2388768 - PAR. 9
VOL. 30 PG. 2 DOC. 2388769 - PAR. 9
DOC. 2388770 - PAR. 9

(207) WE ENERGIES (GAS)
VOL. 1621 PG. 466 DOC. 1093082 - PAR. 5

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 3 PG. 429 DOC. 1207188 - PARS. 14, & 16
VOL. 1891 PG. 723 DOC. 1244455 - PAR. 2
VOL. 4 PG. 838 DOC. 1387172 - PAR. 17



PROJECT NUMBER 2390-12-20-4.02
SHEET 3 OF 3
AMENDMENT NO: 3

688
2390-12-20-4.02 A3
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
PLOT BY : Todd Copiskey
PLOT DATE : 3/27/2025 6:52 AM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 03.DWG
APPRAISAL PLAT DATE : 06/27/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 2

AMENDMENT AMENDS PARCEL 9, PARCEL 14, AND REMOVES PARCEL 114, AMENDS UTILITY NUMBERS 201, 205, AND 210 TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.02 RECORDED AS DOCUMENT NUMBER 2673359.

THAT PART OF PARCEL 2 CSM 1580, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF PARCELS 1 AND 3 CSM 1255, LOT 4 CSM 1170, LOT 1 CSM 1169, LOT 1 CSM 1276, LOT 2 CSM 3467, PARCEL 1 CSM 1528, LOT 1 CSM 1395, LOT 1, BLOCK ONE AND LOT 1 BLOCK THREE OF THE PLAT OF REGENCY MALL, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
2	PENNY RACINE, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	166	1931
5	RACINE MALL, LLC, A GEORGIA LIMITED LIABILITY COMPANY	TLE	---	---	---	---	1883
6	CADANO-CLEON, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	194	643
9	REALTY INCOME PROPERTIES 3, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	493	7147
11	NS RETAIL HOLDINGS, LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	878	---	878	2687	4173
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/TLE	741	---	741	---	3761
13	BMC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AND MARC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, EACH TO AN UNDIVIDED FIFTY PERCENT (50%) INTREST AS TENANTS IN COMMON	FEE/TLE	2205	---	2205	---	10136
14	REGENCY POINT LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE/TLE	811	---	811	---	2450
16	MCDONALD'S CORPORATION, A DELAWARE CORPORATION	FEE/PLE/TLE	3	---	3	82	643
17	REGENCY DRIVE BREW PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	30	591

NOTES:

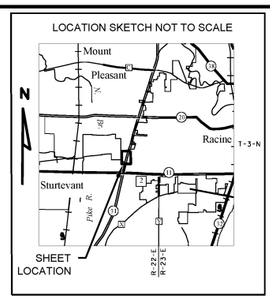
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG REGENCY WEST DR HAS BEEN ESTABLISHED FROM CSM 1170, CSM 1255, CSM 1580, CSM 1169, AND PLAT OF REGENCY MALL.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

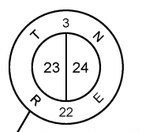
LOCATION SKETCH NOT TO SCALE



Document # 2680926
RACINE COUNTY REGISTER OF DEEDS
July 17, 2024 1:59 PM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-0000025249
Pages: 3

689

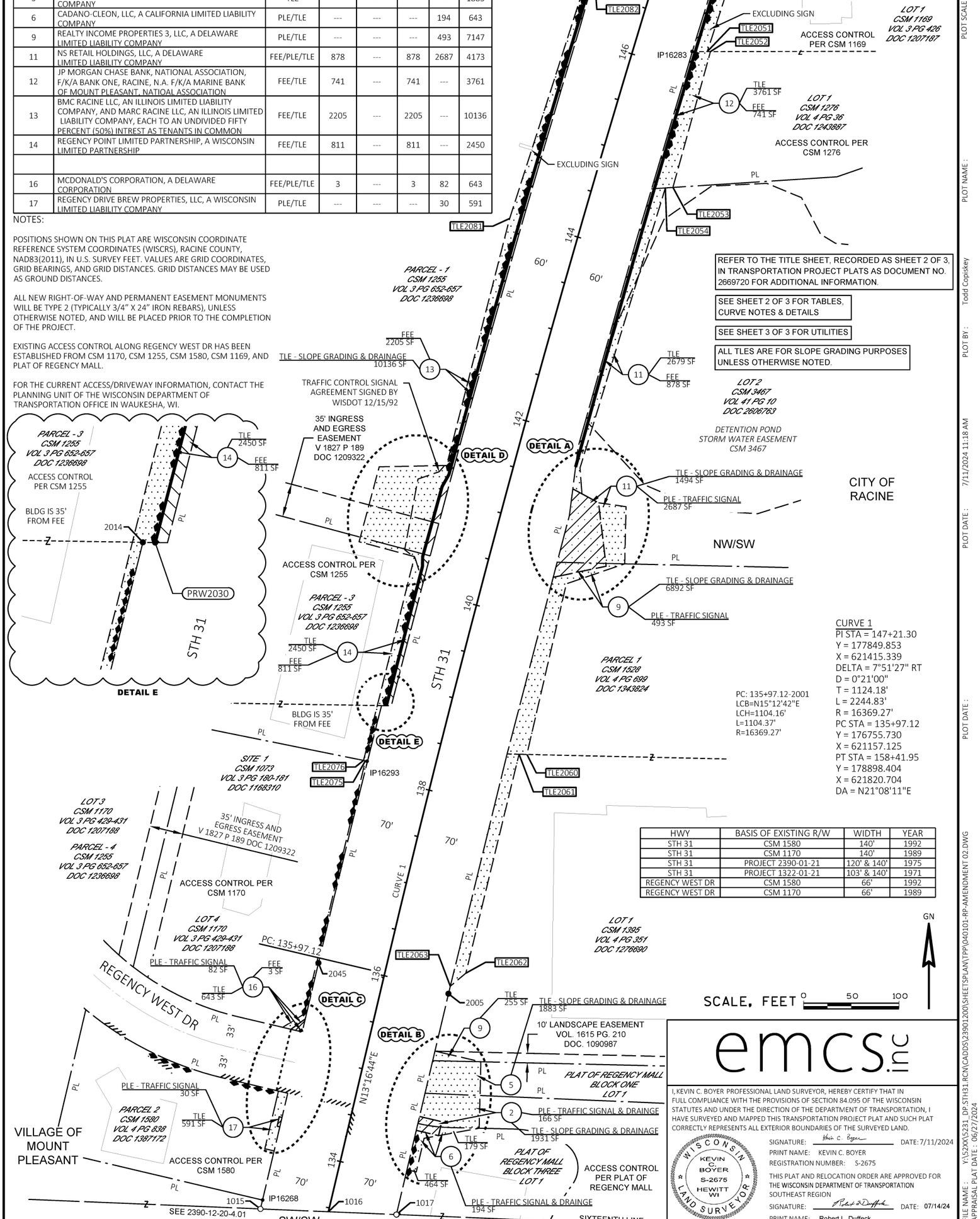
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.02
SHEET 1 OF 3
AMENDMENT NO: 2



FOUND CAST IRON MONUMENT W/BRASS CAP
Y = 177860.655
X = 620471.154

FOUND CONCRETE MONUMENT W/BRASS CAP
Y = 177753.509
X = 623120.963





REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1580	140'	1992
STH 31	CSM 1170	140'	1989
STH 31	PROJECT 2390-01-21	120' & 140'	1975
STH 31	PROJECT 1322-01-21	103' & 140'	1971
REGENCY WEST DR	CSM 1580	66'	1992
REGENCY WEST DR	CSM 1170	66'	1989

GN

SCALE, FEET 0 50 100

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 7/11/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L. Duffeck DATE: 07/14/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.02 A2
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
Todd Copiskey
PLOT BY :
7/11/2024 11:18 AM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG
APPRAISAL PLAT DATE : 06/27/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

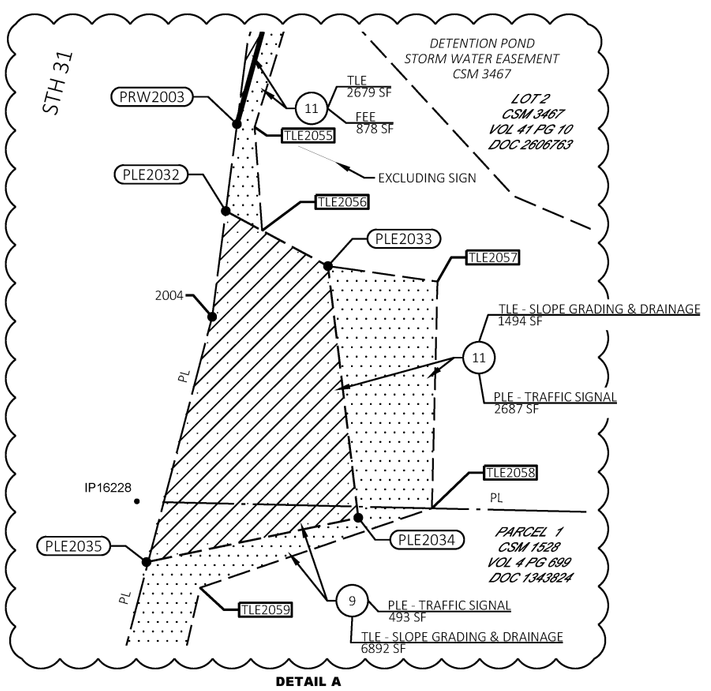
TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 2
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

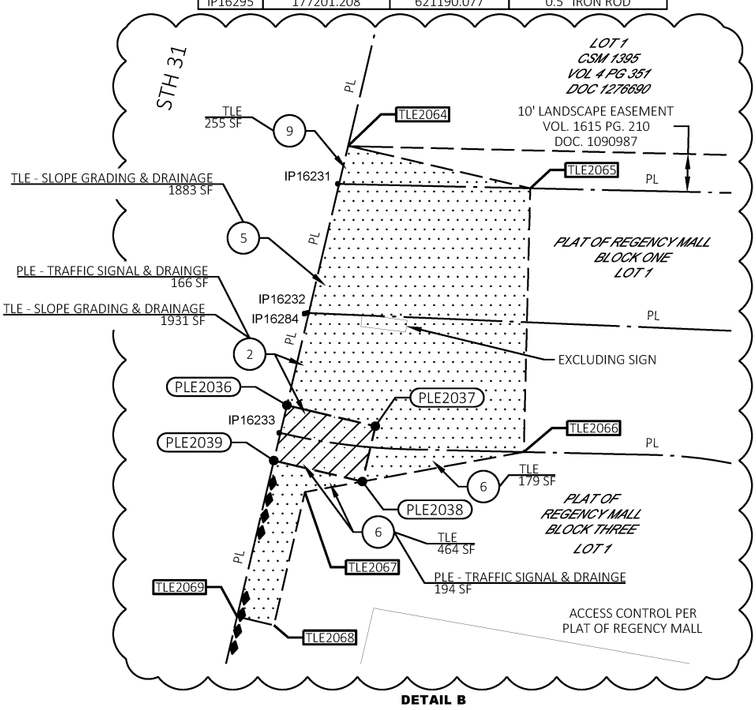
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16228	177191.809	621332.004	PK NAIL
IP16231	176669.531	621208.357	0.75" IRON ROD
IP16232	176635.448	621200.365	1.50" O.D. IRON PIPE
IP16233	176603.784	621192.898	0.75" IRON ROD
IP16268	176523.480	621030.597	1.75" O.D. IRON PIPE
IP16283	177726.738	621480.513	2.38" O.D. IRON PIPE
IP16284	176635.242	621199.522	0.75" O.D. IRON PIPE
IP16293	176983.162	621139.977	0.75" IRON ROD
IP16294	177201.241	621190.210	0.5" IRON ROD
IP16295	177201.208	621190.077	0.5" IRON ROD

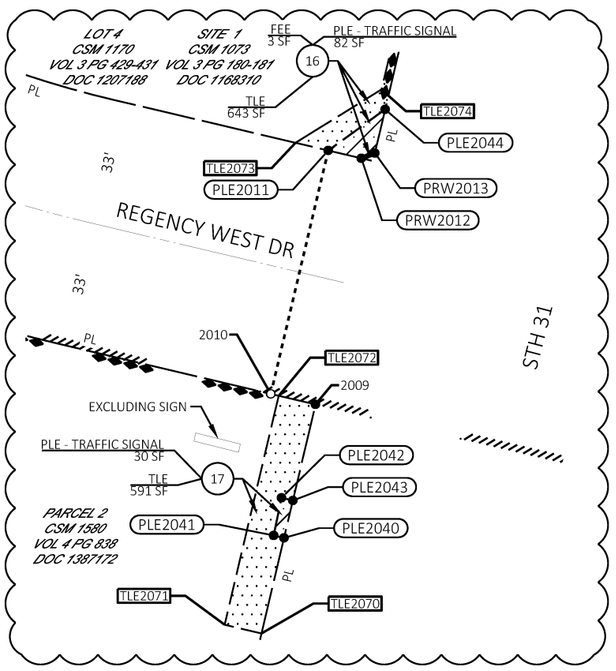
GN 690



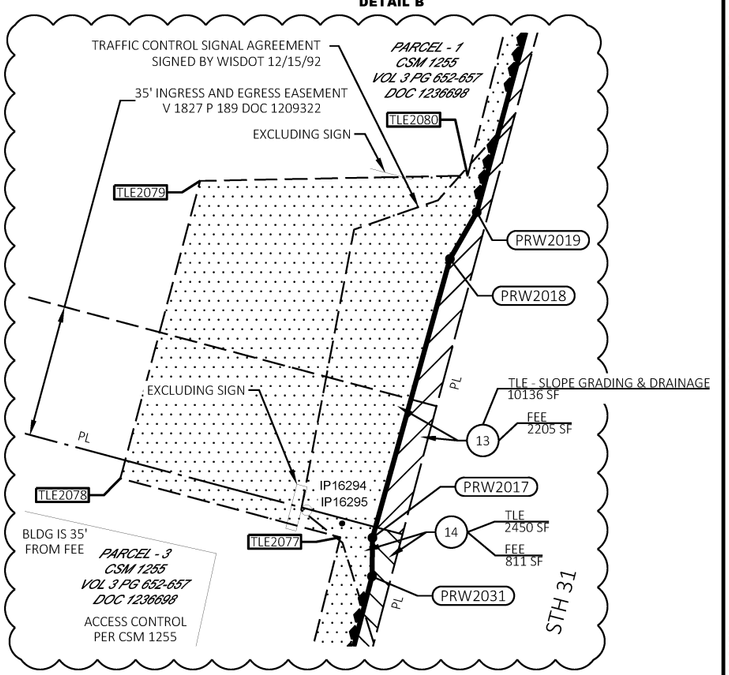
DETAIL A



DETAIL B



DETAIL C



DETAIL D

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1015	133+32.41	70.00'
1016	133+45.91	0.00'
1017	133+59.40	70.00'
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW2003	141+66.99	63.00'
2004	141+15.99	70.00'
2005	135+97.12	70.00'
2009	134+56.96	70.00'
2010	134+56.96	82.14'
PLE2011	135+22.96	82.13'
PRW2012	135+22.96	73.15'
PRW2013	135+25.13	70.00'
2014	138+73.54	70.00'
PRW2017	140+34.68	67.42'
PRW2018	141+10.73	66.65'
PRW2019	141+24.46	63.00'
PRW2030	138+74.71	65.00'
PRW2031	140+24.81	64.94'
PLE2032	141+44.00	66.18'
PLE2033	141+37.00	96.00'
PLE2034	140+74.50	121.00'
PLE2035	140+48.70	70.00'
PLE2036	134+65.00	70.00'
PLE2037	134+65.00	94.00'
PLE2038	134+50.00	94.00'
PLE2039	134+50.00	70.00'
PLE2040	134+20.77	70.00'
PLE2041	134+20.77	72.83'
PLE2042	134+30.92	73.08'
PLE2043	134+30.92	70.00'
PLE2044	135+36.98	70.00'
2045	135+97.12	70.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2051	146+25.32	75.03'
TLE2052	146+26.30	78.23'
TLE2053	144+77.97	81.28'
TLE2054	144+75.22	73.78'
TLE2055	141+67.47	67.69'
TLE2056	141+41.52	76.77'
TLE2057	141+40.64	124.96'
TLE2058	140+82.01	139.11'
TLE2059	140+45.77	85.40'
TLE2060	138+61.42	90.23'
TLE2061	138+59.57	82.18'
TLE2062	136+22.33	82.70'
TLE2063	136+05.22	70.00'
TLE2064	135+35.38	70.00'
TLE2065	135+35.50	119.36'
TLE2066	134+67.37	133.66'
TLE2067	134+43.81	79.88'
TLE2068	134+07.72	80.00'
TLE2069	134+07.72	70.00'
TLE2070	133+94.85	70.00'
TLE2071	133+94.85	80.00'
TLE2072	134+56.96	80.00'
TLE2073	135+22.96	91.00'
TLE2074	135+41.86	72.17'
TLE2075	138+13.65	72.24'
TLE2076	138+13.56	74.18'
TLE2077	140+32.63	75.66'
TLE2078	140+32.85	135.75'
TLE2079	141+13.47	135.66'
TLE2080	141+33.09	67.88'
TLE2081	143+98.90	73.92'
TLE2082	146+83.60	67.84'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-2001	S87° 41' 04"E	65.16'
2001-PRW2002	S87° 41' 04"E	65.18'
PRW2002-PRW2003	SEE CURVE DATA	
PRW2003-2004	S07° 20' 14"W	51.27'
2004-2005	SEE CURVE DATA	
2005-1017	S13° 16' 44"W	237.71'
1017-1016	N87° 38' 05"W	71.29'
1016-1015	N87° 38' 05"W	71.29'
1015-2009	N13° 16' 44"E	124.55'
2009-2010	N76° 43' 12"W	12.14'
2010-PLE2011	N13° 16' 48"E	66.00'
PLE2011-PRW2012	S76° 43' 12"E	8.98'
PRW2012-PRW2013	N68° 41' 03"E	3.83'
PRW2013-2045	N13° 16' 44"E	71.98'
2045-2014	SEE CURVE DATA	
2014-PRW2030	S89° 02' 55"E	5.14'
PRW2030-PRW2031	N14°32'10"E	150.69'
PRW2031-PRW2017	N00° 44' 17"E	10.22'
PRW2017-PRW2018	N15° 31' 17"E	76.36'
PRW2018-PRW2019	N29° 56' 26"E	14.26'
PRW2019-PRW2000	SEE CURVE DATA	

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2003-PLE2032	S07° 20' 14"W	23.11'
PLE2032-PLE2033	S61° 40' 32"E	30.63'
PLE2033-PLE2034	S06° 52' 25"E	66.93'
PLE2034-PLE2035	S78° 12' 25"W	57.09'
PLE2035-2004	SEE CURVE DATA	
2004-PLE2032	N07° 20' 14"E	28.16'
PLE2035-2005	SEE CURVE DATA	
1017-PLE2039	N13° 16' 44"E	90.60'
PLE2039-PLE2036	N13° 16' 44"E	15.00'
PLE2036-PLE2037	S76° 43' 16"E	24.00'
PLE2037-PLE2038	S13° 16' 44"W	15.00'
PLE2038-PLE2039	N76° 43' 16"W	24.00'
PLE2036-2005	N13° 16' 44"E	132.40'
1015-PLE2040	N13° 16' 44"E	88.36'
PLE2040-PLE2041	N76° 43' 16"W	2.83'
PLE2041-PLE2042	N11° 50' 17"E	10.15'
PLE2042-PLE2043	S76° 43' 16"E	3.08'
PLE2043-PLE2040	S13° 16' 44"W	10.14'
PLE2043-2009	N13° 16' 44"E	26.04'
PLE2011-PLE2044	N54° 09' 26"E	18.54'
PLE2044-PRW2013	S13° 16' 44"W	11.84'
2045-PLE2044	S13° 16' 44"W	60.14'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2002-PRW2003
LCB=S16°14'18"W
LCH=549.10'
L=549.12'
R=16306.27'

2004-2005
LCB=S14°11'13"W
LCH=516.63'
L=516.65'
R=16299.27'

PLE2035-2004
LCB=S14°58'38"W
LCH=67.00'
L=67.00'
R=16299.27'

PLE2035-2005
LCB=S14°04'09"W
LCH=449.64'
L=449.65'
R=16299.27'

2045-2014
LCB=N13°45'46"E
LCH=277.60'
L=277.60'
R=16439.27'

PRW2019-PRW2000
LCB=N16°06'20"E
LCH=562.54'
L=562.57'
R=16432.27'

PROJECT NUMBER 2390-12-20-4.02
SHEET 2 OF 3
AMENDMENT NO: 2

2390-12-20-4.02 A2
PLOT SCALE : ##########
PLOT NAME : Todd Copiskey
PLOT BY : 7/11/2024 11:23 AM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG
APPRAISAL PLAT DATE : 06/27/2024

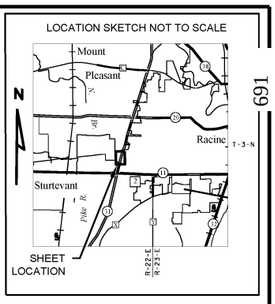
COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 2
UTILITY SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

LOCATION SKETCH NOT TO SCALE



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

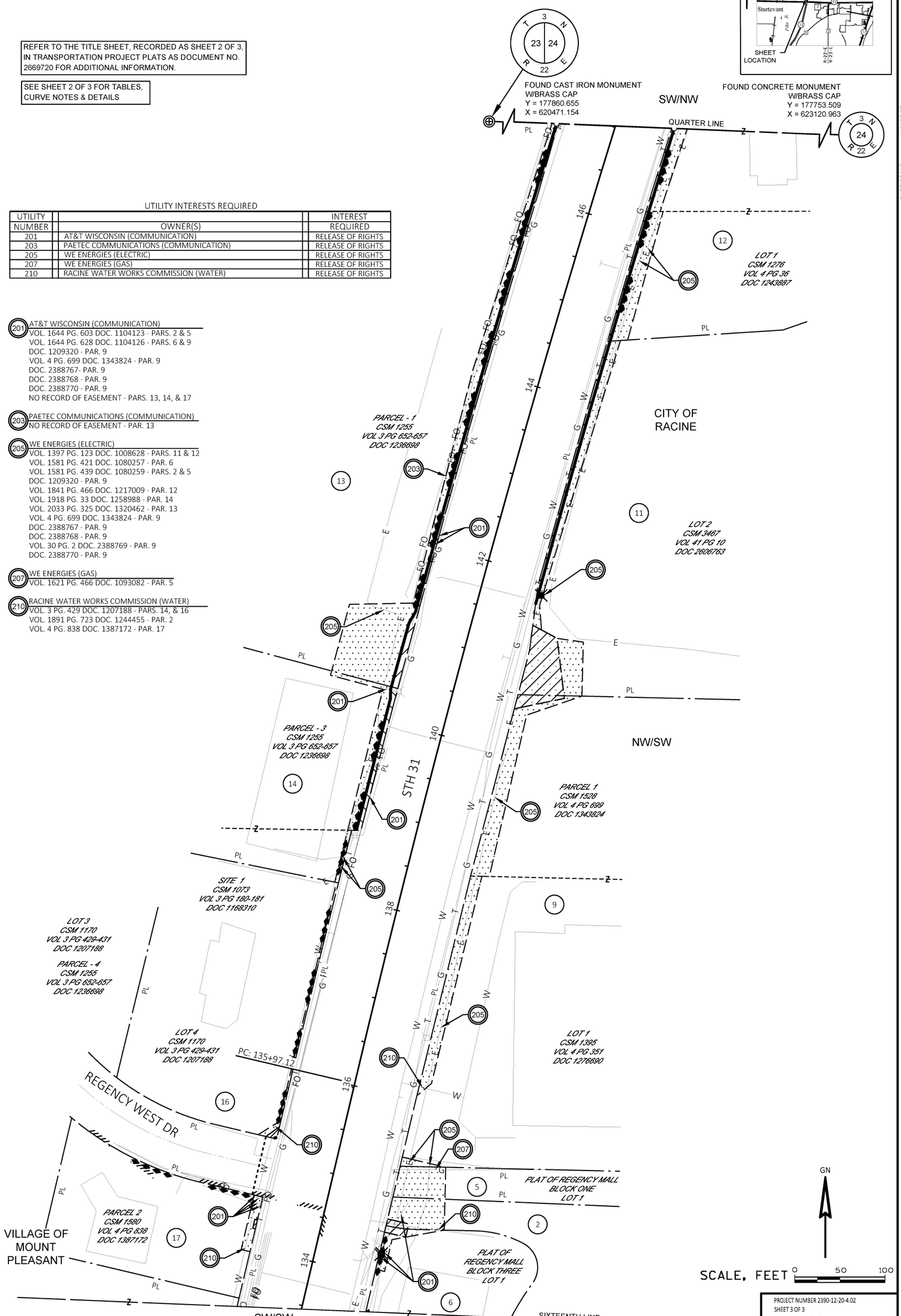
(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1644 PG. 603 DOC. 1104123 - PARS. 2 & 5
VOL. 1644 PG. 628 DOC. 1104126 - PARS. 6 & 9
DOC. 1209320 - PAR. 9
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767- PAR. 9
DOC. 2388768 - PAR. 9
DOC. 2388770 - PAR. 9
NO RECORD OF EASEMENT - PARS. 13, 14, & 17

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 13

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PARS. 11 & 12
VOL. 1581 PG. 421 DOC. 1080257 - PAR. 6
VOL. 1581 PG. 439 DOC. 1080259 - PARS. 2 & 5
DOC. 1209320 - PAR. 9
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 1918 PG. 33 DOC. 1258988 - PAR. 14
VOL. 2033 PG. 325 DOC. 1320462 - PAR. 13
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767 - PAR. 9
DOC. 2388768 - PAR. 9
VOL. 30 PG. 2 DOC. 2388769 - PAR. 9
DOC. 2388770 - PAR. 9

(207) WE ENERGIES (GAS)
VOL. 1621 PG. 466 DOC. 1093082 - PAR. 5

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 3 PG. 429 DOC. 1207188 - PARS. 14, & 16
VOL. 1891 PG. 723 DOC. 1244455 - PAR. 2
VOL. 4 PG. 838 DOC. 1387172 - PAR. 17



PROJECT NUMBER 2390-12-20-4.02
SHEET 3 OF 3
AMENDMENT NO: 2

691
2390-12-20-4.02 A2
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
PLOT BY : Todd Copiskey
PLOT DATE : 7/11/2024 11:27 AM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG
APPRAISAL PLAT DATE : 06/27/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 1

AMENDMENT ADDS UTILITY NUMBER 203 TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.02 RECORDED AS DOCUMENT NUMBER 2673359.

THAT PART OF PARCEL 2 CSM 1580, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF PARCELS 1 AND 3 CSM 1255, LOT 4 CSM 1170, LOT 1 CSM 1169, LOT 1 CSM 1276, LOT 2 CSM 3467, PARCEL 1 CSM 1528, LOT 1 CSM 1395, LOT 1, BLOCK ONE AND LOT 1 BLOCK THREE OF THE PLAT OF REGENCY MALL, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			PLE	TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT	SQ FT
2	PENNY RACINE, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	166	1931
5	RACINE MALL, LLC, A GEORGIA LIMITED LIABILITY COMPANY	TLE	---	---	---	---	1883
6	CADANO-CLEON, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	194	643
9	REALTY INCOME PROPERTIES 3, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	493	6892
11	NS RETAIL HOLDINGS, LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	878	---	878	2687	4173
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/TLE	741	---	741	---	3761
13	BMC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AND MARC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, EACH TO AN UNDIVIDED FIFTY PERCENT (50%) INTREST AS TENANTS IN COMMON	FEE/TLE	2205	---	2205	---	10136
* 14	REGENCY POINT LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE/TLE	539	---	539	---	2450
114	REGENCY POINT LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE	272	---	272	---	---
16	MCDONALD'S CORPORATION, A DELAWARE CORPORATION	FEE/PLE/TLE	3	---	3	82	643
17	REGENCY DRIVE BREW PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	30	591

NOTES:

* PARCEL 14 TLE INCLUDES AREA UNDERLYING PARCEL 114'S FEE AREA.

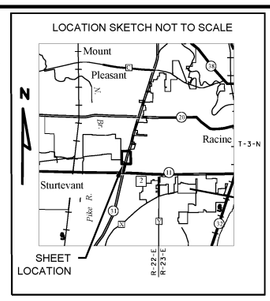
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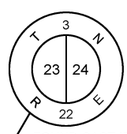
ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG REGENCY WEST DR HAS BEEN ESTABLISHED FROM CSM 1170, CSM 1255, CSM 1580, CSM 1169, AND PLAT OF REGENCY MALL.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

LOCATION SKETCH NOT TO SCALE





Document # 2677842
RACINE COUNTY REGISTER OF DEEDS
June 03, 2024 7:36 AM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded Returned to WisDOT - SE Region - Waukesha PO# 39500-000002529 Pages: 3

692

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.02
SHEET 1 OF 3
AMENDMENT NO: 1

FOUND CAST IRON MONUMENT W/BRASS CAP
Y = 177860.655
X = 620471.154

FOUND CONCRETE MONUMENT W/BRASS CAP
Y = 177753.509
X = 623120.963

S87°41'04"E 911.32' MON-PRW2000

N87°41'04"W 1610.31' MON-PRW2002

SW/NW

QUARTER LINE

SEE 2390-12-20-4.03

PRW2000

PRW2002

TLE2082

TLE2050

TLE2051

TLE2052

EXCLUDING SIGN

ACCESS CONTROL PER CSM 1169

LOT 1 CSM 1169 VOL 3 PG 426 DOC 1207187

IP16283

146

TLE 3761 SF
FEE 741 SF

LOT 1 CSM 1276 VOL 4 PG 36 DOC 1243897

ACCESS CONTROL PER CSM 1276

EXCLUDING SIGN

TLE2053

TLE2054

TLE2081

144

60'

PARCEL - 1 CSM 1255 VOL 3 PG 652-657 DOC 1236698

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

FEE 2205 SF

TLE - SLOPE GRADING & DRAINAGE 10136 SF

13

TRAFFIC CONTROL SIGNAL AGREEMENT SIGNED BY WISDOT 12/15/92

35' INGRESS AND EGRESS EASEMENT V 1827 P 189 DOC 1209322

DETAIL D

142

DETAIL A

TLE 2679 SF
FEE 878 SF

11

LOT 2 CSM 3467 VOL 41 PG 10 DOC 2606763

DETENTION POND STORM WATER EASEMENT CSM 3467

TLE - SLOPE GRADING & DRAINAGE 1494 SF

PLE - TRAFFIC SIGNAL 2687 SF

CITY OF RACINE

NW/SW

TLE - SLOPE GRADING & DRAINAGE 6892 SF

9

PLE - TRAFFIC SIGNAL 493 SF

PARCEL - 3 CSM 1255 VOL 3 PG 652-657 DOC 1236698

ACCESS CONTROL PER CSM 1255

BLDG IS 35' FROM FEE

2014

TLE * 2450 SF
FEE 539 SF

14

114

FEE 272 SF

PRW2015

PRW2030

STH 31

DETAIL E

ACCESS CONTROL PER CSM 1255

PARCEL - 3 CSM 1255 VOL 3 PG 652-657 DOC 1236698

* TLE 2450 SF
FEE 539 SF

14

FEE 272 SF

114

BLDG IS 35' FROM FEE

DETAIL E

140

PARCEL 1 CSM 1528 VOL 4 PG 699 DOC 1343824

PC: 135+97.12-2001
LCB=N15°12'42"E
LCH=1104.16'
L=1104.37'
R=16369.27'

CURVE 1
PI STA = 147+21.30
Y = 177849.853
X = 621415.339
DELTA = 7°51'27" RT
D = 0°21'00"
T = 1124.18'
L = 2244.83'
R = 16369.27'
PC STA = 135+97.12
Y = 176755.730
X = 621157.125
PT STA = 158+41.95
Y = 178898.404
X = 621820.704
DA = N21°08'11"E

SITE 1 CSM 1073 VOL 3 PG 180-181 DOC 1168310

TLE2076

TLE2075

IP16293

138

TLE2060

TLE2061

LOT 3 CSM 1170 VOL 3 PG 429-431 DOC 1207188

PARCEL - 4 CSM 1255 VOL 3 PG 652-657 DOC 1236698

35' INGRESS AND EGRESS EASEMENT V 1827 P 189 DOC 1209322

70'

ACCESS CONTROL PER CSM 1170

CURVE 1

LOT 4 CSM 1170 VOL 3 PG 429-431 DOC 1207188

PC: 135+97.12

PLE - TRAFFIC SIGNAL 82 SF

FEE 3 SF

TLE 643 SF

16

2045

136

TLE2063

TLE2062

LOT 1 CSM 1305 VOL 4 PG 351 DOC 1276690

DETAIL C

REGENCY WEST DR

33'

2005

TLE 255 SF

TLE - SLOPE GRADING & DRAINAGE 1883 SF

9

DETAIL B

10' LANDSCAPE EASEMENT VOL. 1615 PG. 210 DOC. 1090987

PLAT OF REGENCY MALL BLOCK ONE LOT 1

5

PLE - TRAFFIC SIGNAL & DRAINGE 166 SF

TLE - SLOPE GRADING & DRAINAGE 1931 SF

2

TLE 179 SF

6

PLAT OF REGENCY MALL BLOCK THREE LOT 1

ACCESS CONTROL PER PLAT OF REGENCY MALL

TLE 464 SF

PLE - TRAFFIC SIGNAL & DRAINGE 194 SF

N13°16'44"E

134

PLE - TRAFFIC SIGNAL 30 SF

PARCEL 2 CSM 1580 VOL 4 PG 838 DOC 1387172

TLE 591 SF

17

VILLAGE OF MOUNT PLEASANT

ACCESS CONTROL PER CSM 1580

1015

IP16268

1016

1017

SEE 2390-12-20-4.01

SW/SW

SIXTEENTH LINE

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1580	140'	1992
STH 31	CSM 1170	140'	1989
STH 31	PROJECT 2390-01-21	120' & 140'	1975
STH 31	PROJECT 1322-01-21	103' & 140'	1971
REGENCY WEST DR	CSM 1580	66'	1992
REGENCY WEST DR	CSM 1170	66'	1989

GN

SCALE, FEET 0 50 100

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 5/29/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

SIGNATURE: Robert L. Duffeck DATE: 05/29/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.02 A1
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : admin
PLOT DATE : 4/15/2024 2:45 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 03/04/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 1
EXTENSION SHEET

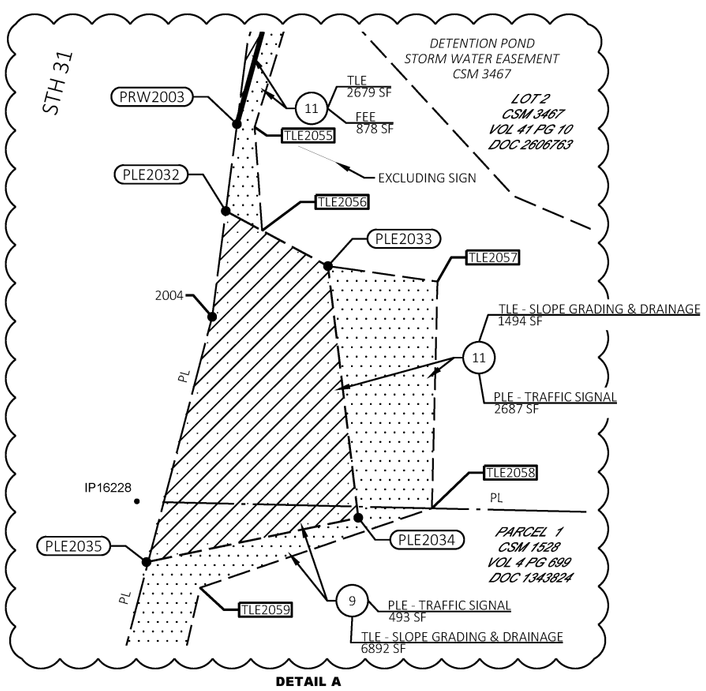
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

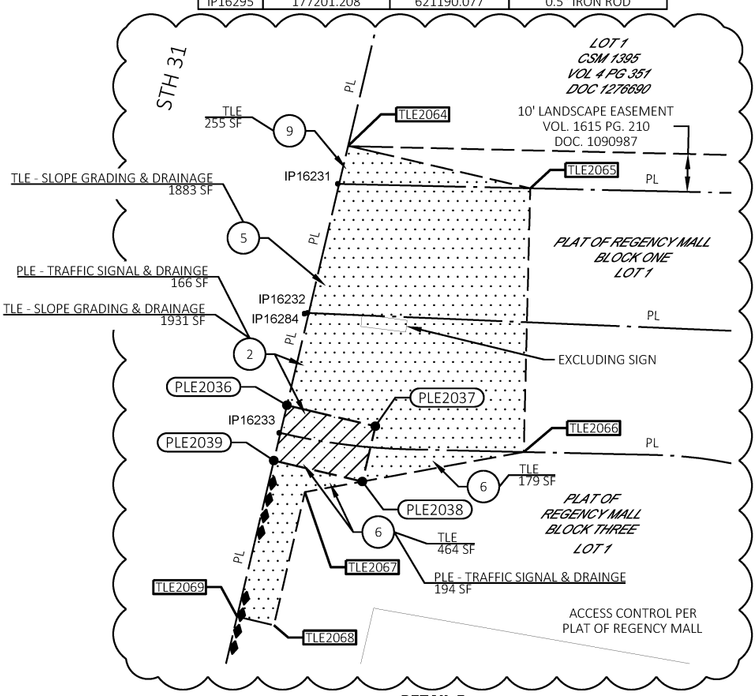
EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16228	177191.809	621332.004	PK NAIL
IP16231	176669.531	621208.357	0.75" IRON ROD
IP16232	176635.448	621200.365	1.50" O.D. IRON PIPE
IP16233	176603.784	621192.898	0.75" IRON ROD
IP16268	176523.480	621030.597	1.75" O.D. IRON PIPE
IP16283	177726.738	621480.513	2.38" O.D. IRON PIPE
IP16284	176635.242	621199.522	0.75" O.D. IRON PIPE
IP16293	176983.162	621139.977	0.75" IRON ROD
IP16294	177201.241	621190.210	0.5" IRON ROD
IP16295	177201.208	621190.077	0.5" IRON ROD

GN

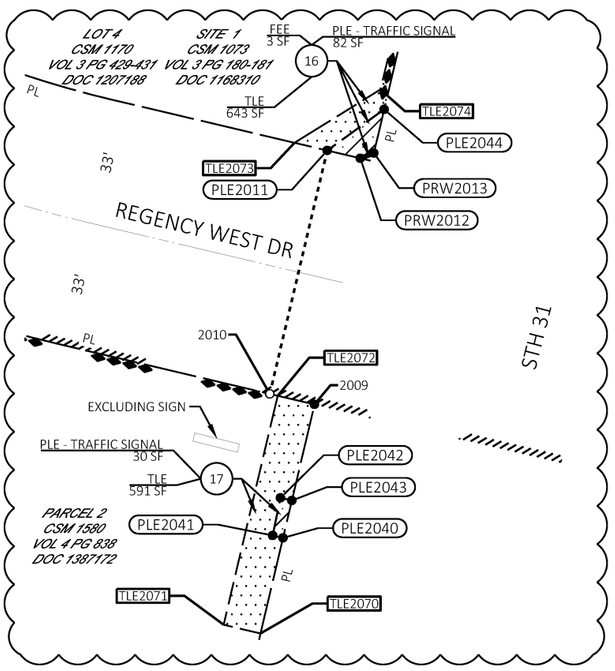
693



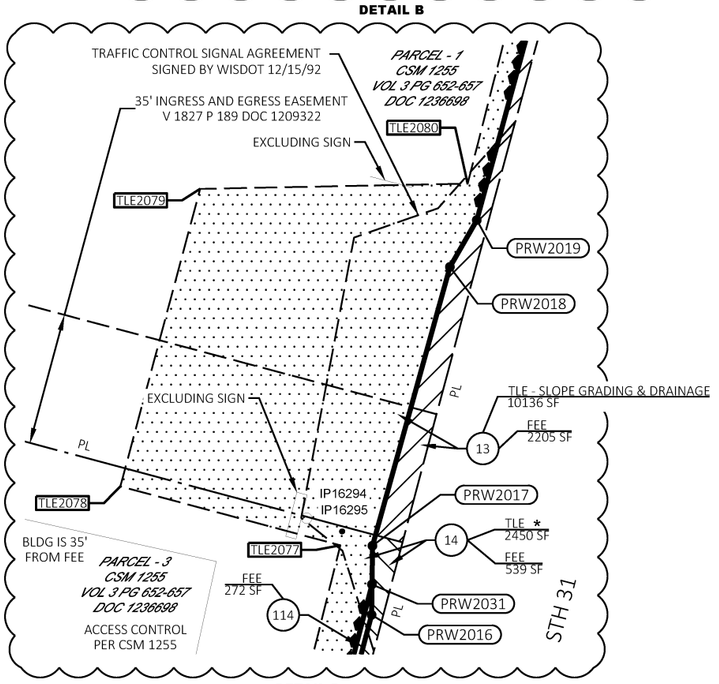
DETAIL A



DETAIL B



DETAIL C



DETAIL D

* PARCEL 14 TLE INCLUDES AREA UNDERLYING PARCEL 114'S FEE AREA.

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1015	133+32.41	70.00'
1016	133+45.91	0.00'
1017	133+59.40	70.00'
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW2003	141+66.99	63.00'
2004	141+15.99	70.00'
2005	135+97.12	70.00'
2009	134+56.96	70.00'
2010	134+56.96	82.14'
PLE2011	135+22.96	82.13'
PRW2012	135+22.96	73.15'
PRW2013	135+25.13	70.00'
2014	138+73.54	70.00'
PRW2015	138+75.18	63.00'
PRW2016	140+17.06	63.00'
PRW2017	140+34.68	67.42'
PRW2018	141+10.73	66.65'
PRW2019	141+24.46	63.00'
PRW2030	138+74.71	65.00'
PRW2031	140+24.81	64.94'
PLE2032	141+44.00	66.18'
PLE2033	141+37.00	96.00'
PLE2034	140+74.50	121.00'
PLE2035	140+48.70	70.00'
PLE2036	134+65.00	70.00'
PLE2037	134+65.00	94.00'
PLE2038	134+50.00	94.00'
PLE2039	134+50.00	70.00'
PLE2040	134+20.77	70.00'
PLE2041	134+20.77	72.83'
PLE2042	134+30.92	73.08'
PLE2043	134+30.92	70.00'
PLE2044	135+36.98	70.00'
2045	135+97.12	70.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2051	146+25.32	75.03'
TLE2052	146+26.30	78.23'
TLE2053	144+77.97	81.28'
TLE2054	144+75.22	73.78'
TLE2055	141+67.47	67.69'
TLE2056	141+41.52	76.77'
TLE2057	141+40.64	124.96'
TLE2058	140+82.01	139.11'
TLE2059	140+45.77	85.40'
TLE2060	138+61.42	90.23'
TLE2061	138+59.57	82.18'
TLE2062	136+22.33	82.70'
TLE2063	136+05.22	70.00'
TLE2064	135+35.38	70.00'
TLE2065	135+35.50	119.36'
TLE2066	134+67.37	133.66'
TLE2067	134+43.81	79.88'
TLE2068	134+07.72	80.00'
TLE2069	134+07.72	70.00'
TLE2070	133+94.85	70.00'
TLE2071	133+94.85	80.00'
TLE2072	134+56.96	80.00'
TLE2073	135+22.96	91.00'
TLE2074	135+41.86	72.17'
TLE2075	138+13.65	72.24'
TLE2076	138+13.56	74.18'
TLE2077	140+32.63	75.66'
TLE2078	140+32.85	135.75'
TLE2079	141+13.47	135.66'
TLE2080	141+33.09	67.88'
TLE2081	143+98.90	73.92'
TLE2082	146+83.60	67.84'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-2001	S87° 41' 04"E	65.16'
2001-PRW2002	S87° 41' 04"E	65.18'
PRW2002-PRW2003	SEE CURVE DATA	
PRW2003-2004	S07° 20' 14"W	51.27'
2004-2005	SEE CURVE DATA	
2005-1017	S13° 16' 44"W	237.71'
1017-1016	N87° 38' 05"W	71.29'
1016-1015	N87° 38' 05"W	71.29'
1015-2009	N13° 16' 44"E	124.55'
2009-2010	N76° 43' 12"W	12.14'
2010-PLE2011	N13° 16' 48"E	66.00'
PLE2011-PRW2012	S76° 43' 12"E	8.98'
PRW2012-PRW2013	N68° 41' 03"E	3.83'
PRW2013-2045	N13° 16' 44"E	71.98'
2045-2014	SEE CURVE DATA	
2014-PRW2030	S89° 02' 55"E	5.14'
PRW2030-PRW2015	S89° 02' 55"E	2.06'
PRW2015-PRW2016	N14° 30' 02"E	142.43'
PRW2016-PRW2031	N00° 44' 17"E	8.01'
PRW2031-PRW2017	N00° 44' 17"E	10.22'
PRW2017-PRW2018	N15° 31' 17"E	76.36'
PRW2018-PRW2019	N29° 56' 26"E	14.26'
PRW2019-PRW2000	SEE CURVE DATA	

PARCEL 114 R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
2014-PRW2030	S89° 02' 55"E	5.14'
PRW2030-PRW2031	N14° 32' 10"E	150.69'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2003-PLE2032	S07° 20' 14"W	23.11'
PLE2032-PLE2033	S61° 40' 32"E	30.63'
PLE2033-PLE2034	S06° 52' 25"E	66.93'
PLE2034-PLE2035	S78° 12' 25"W	57.09'
PLE2035-2004	SEE CURVE DATA	
2004-PLE2032	N07° 20' 14"E	28.16'
PLE2035-2005	SEE CURVE DATA	
1017-PLE2039	N13° 16' 44"E	90.60'
PLE2039-PLE2036	N13° 16' 44"E	15.00'
PLE2036-PLE2037	S76° 43' 16"E	24.00'
PLE2037-PLE2038	S13° 16' 44"W	15.00'
PLE2038-PLE2039	N76° 43' 16"W	24.00'
PLE2036-2005	N13° 16' 44"E	132.40'
1015-PLE2040	N13° 16' 44"E	88.36'
PLE2040-PLE2041	N76° 43' 16"W	2.83'
PLE2041-PLE2042	N11° 50' 17"E	10.15'
PLE2042-PLE2043	S76° 43' 16"E	3.08'
PLE2043-PLE2040	S13° 16' 44"W	10.14'
PLE2043-2009	N13° 16' 44"E	26.04'
PLE2011-PLE2044	N54° 09' 26"E	18.54'
PLE2044-PRW2013	S13° 16' 44"W	11.84'
2045-PLE2044	S13° 16' 44"W	60.14'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2002-PRW2003
LCB=S16°14'18"W
LCH=549.10'
L=549.12'
R=16306.27'

2004-2005
LCB=S14°11'13"W
LCH=516.63'
L=516.65'
R=16299.27'

PLE2035-2004
LCB=S14°58'38"W
LCH=67.00'
L=67.00'
R=16299.27'

PLE2035-2005
LCB=S14°04'09"W
LCH=449.64'
L=449.65'
R=16299.27'

2045-2014
LCB=N13°45'46"E
LCH=277.60'
L=277.60'
R=16439.27'

PRW2019-PRW2000
LCB=N16°06'20"E
LCH=562.54'
L=562.57'
R=16432.27'

PROJECT NUMBER 2390-12-20-4.02
SHEET 2 OF 3
AMENDMENT NO: 1

FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADD\23901200\SHEETS\PLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 03/04/2024
PLOT DATE : 4/15/2024 2:45 PM
PLOT BY : admin
PLOT NAME :
PLOT SCALE : ##########
2390-12-20-4.02 A1

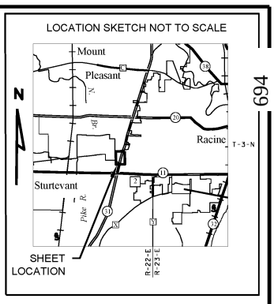
COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02 AMENDMENT NO: 1
UTILITY SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

LOCATION SKETCH NOT TO SCALE



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

T 3 N R 22 E 23 24

FOUND CAST IRON MONUMENT W/BRASS CAP Y = 177860.655 X = 620471.154

FOUND CONCRETE MONUMENT W/BRASS CAP Y = 177753.509 X = 623120.963

T 3 N R 22 E 24

SW/NW

QUARTER LINE

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

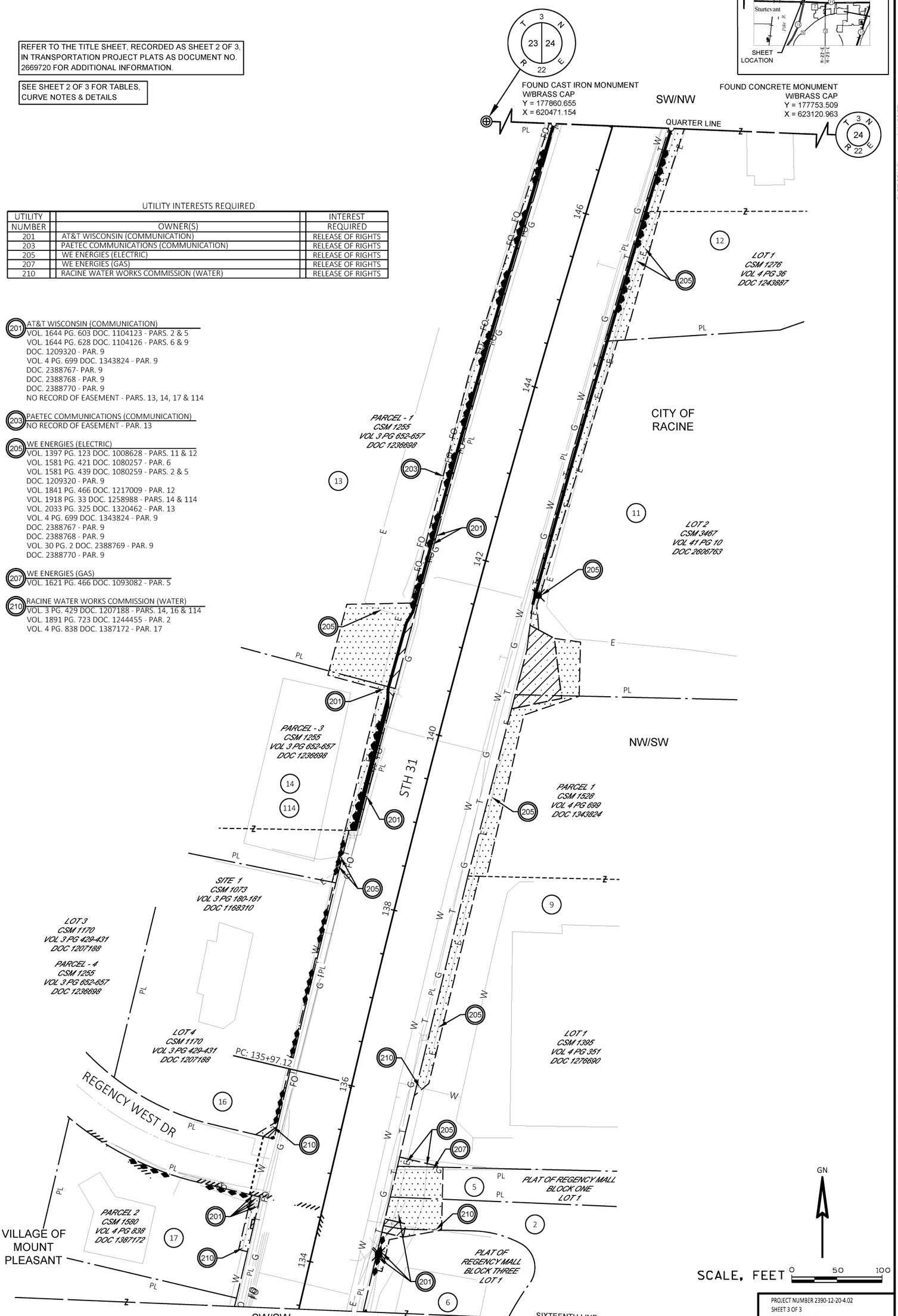
(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1644 PG. 603 DOC. 1104123 - PARS. 2 & 5
VOL. 1644 PG. 628 DOC. 1104126 - PARS. 6 & 9
DOC. 1209320 - PAR. 9
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767- PAR. 9
DOC. 2388768 - PAR. 9
DOC. 2388770 - PAR. 9
NO RECORD OF EASEMENT - PARS. 13, 14, 17 & 114

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 13

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PARS. 11 & 12
VOL. 1581 PG. 421 DOC. 1080257 - PAR. 6
VOL. 1581 PG. 439 DOC. 1080259 - PARS. 2 & 5
DOC. 1209320 - PAR. 9
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 1918 PG. 33 DOC. 1258988 - PARS. 14 & 114
VOL. 2033 PG. 325 DOC. 1320462 - PAR. 13
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767 - PAR. 9
DOC. 2388768 - PAR. 9
VOL. 30 PG. 2 DOC. 2388769 - PAR. 9
DOC. 2388770 - PAR. 9

(207) WE ENERGIES (GAS)
VOL. 1621 PG. 466 DOC. 1093082 - PAR. 5

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 3 PG. 429 DOC. 1207188 - PARS. 14, 16 & 114
VOL. 1891 PG. 723 DOC. 1244455 - PAR. 2
VOL. 4 PG. 838 DOC. 1387172 - PAR. 17



GN

SCALE, FEET 0 50 100

PROJECT NUMBER 2390-12-20-4.02
SHEET 3 OF 3
AMENDMENT NO: 1

694

2390-12-20-4.02 A1

1 IN:50 FT

PLOT SCALE :

PLOT NAME :

PLOT BY : admin

PLOT DATE : 4/15/2024 2:46 PM

PLOT DATE :

FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG

APPRAISAL PLAT DATE : 04/15/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

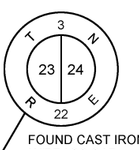
TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02

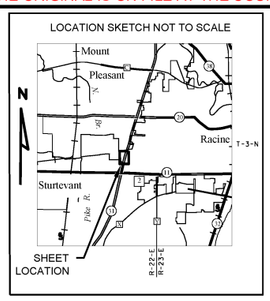
THAT PART OF PARCEL 2 CSM 1580, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF PARCELS 1 AND 3 CSM 1255, LOT 4 CSM 1170, LOT 1 CSM 1169, LOT 1 CSM 1276, LOT 2 CSM 3467, PARCEL 1 CSM 1528, LOT 1 CSM 1395, LOT 1, BLOCK ONE AND LOT 1 BLOCK THREE OF THE PLAT OF REGENCY MALL, LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.





Document # **2673359**
RACINE COUNTY REGISTER OF DEEDS
March 21, 2024 11:28 AM
Karie J. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha POJ# 39500-0000025249
Pages: 3

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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.02
SHEET 1 OF 3
AMENDMENT NO:___

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			PLE	TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT	SQ FT
2	PENNY RACINE, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	166	1931
5	RACINE MALL, LLC, A GEORGIA LIMITED LIABILITY COMPANY	TLE	---	---	---	---	1883
6	CADANO-CLEON, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	194	643
9	REALTY INCOME PROPERTIES 3, LLC, A DELAWARE LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	493	6892
11	NS RETAIL HOLDINGS, LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	878	---	878	2687	4173
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/TLE	741	---	741	---	3761
13	BMC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AND MARC RACINE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, EACH TO AN UNDIVIDED FIFTY PERCENT (50%) INTREST AS TENANTS IN COMMON	FEE/TLE	2205	---	2205	---	10136
* 14	REGENCY POINT LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE/TLE	539	---	539	---	2450
114	REGENCY POINT LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE	272	---	272	---	---
16	MCDONALD'S CORPORATION, A DELAWARE CORPORATION	FEE/PLE/TLE	3	---	3	82	643
17	REGENCY DRIVE BREW PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	PLE/TLE	---	---	---	30	591

NOTES:

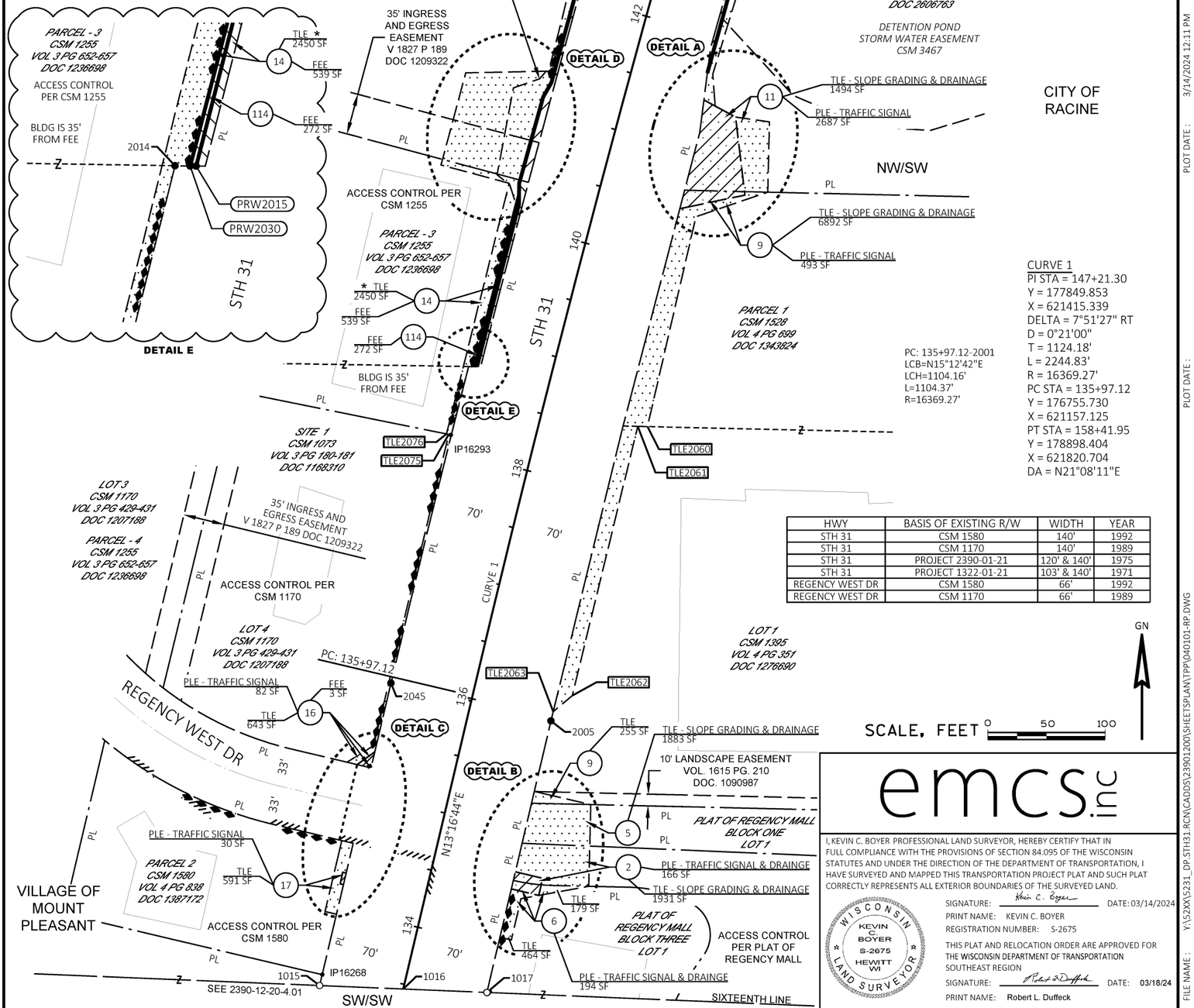
* PARCEL 14 TLE INCLUDES AREA UNDERLYING PARCEL 114'S FEE AREA.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG REGENCY WEST DR HAS BEEN ESTABLISHED FROM CSM 1170, CSM 1255, CSM 1580, CSM 1169, AND PLAT OF REGENCY MALL.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.



HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1580	140'	1992
STH 31	CSM 1170	140'	1989
STH 31	PROJECT 2390-01-21	120' & 140'	1975
STH 31	PROJECT 1322-01-21	103' & 140'	1971
REGENCY WEST DR	CSM 1580	66'	1992
REGENCY WEST DR	CSM 1170	66'	1989

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 03/14/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L. Duffeck DATE: 03/18/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.02
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
Drew Nelson
PLOT BY :
3/14/2024 12:11 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADD\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 03/04/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02
EXTENSION SHEET

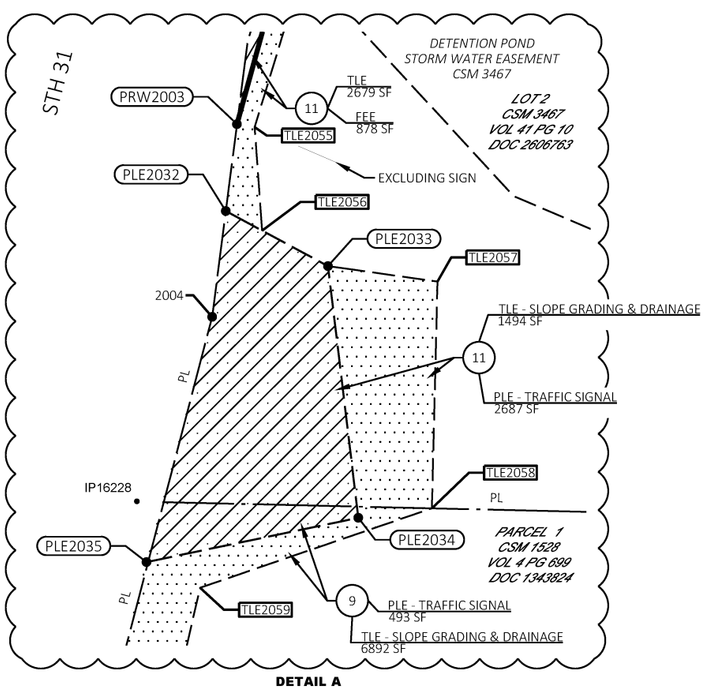
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

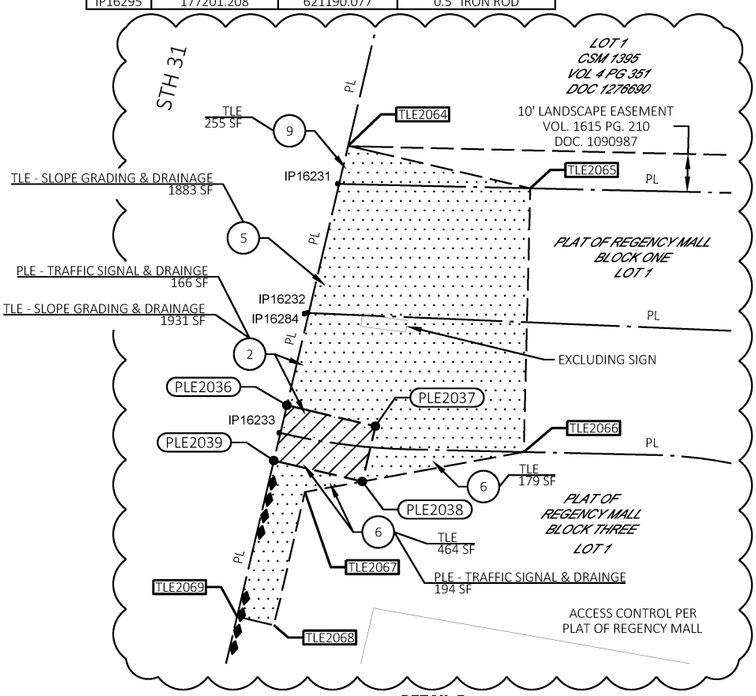
EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16228	177191.809	621332.004	PK NAIL
IP16231	176669.531	621208.357	0.75" IRON ROD
IP16232	176635.448	621200.365	1.50" O.D. IRON PIPE
IP16233	176603.784	621192.898	0.75" IRON ROD
IP16268	176523.480	621030.597	1.75" O.D. IRON PIPE
IP16283	177726.738	621480.513	2.38" O.D. IRON PIPE
IP16284	176635.242	621199.522	0.75" O.D. IRON PIPE
IP16293	176983.162	621139.977	0.75" IRON ROD
IP16294	177201.241	621190.210	0.5" IRON ROD
IP16295	177201.208	621190.077	0.5" IRON ROD

GN

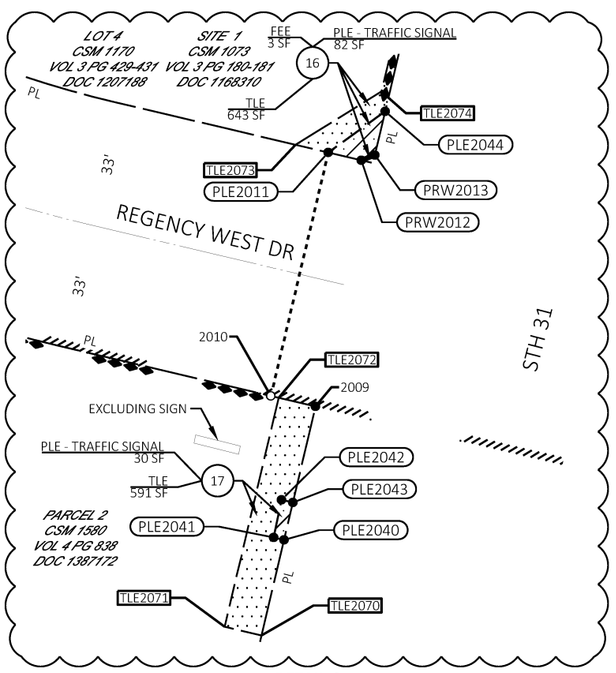
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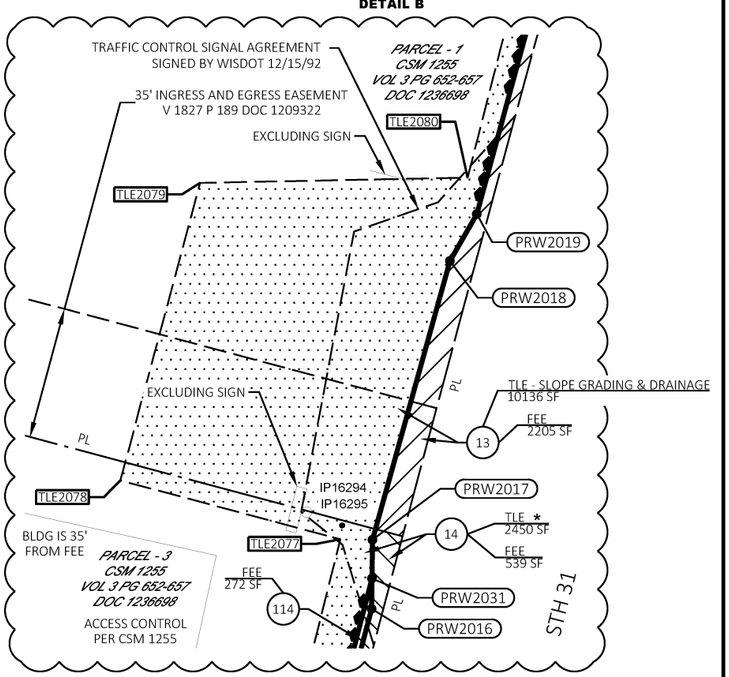
DETAIL A



DETAIL B



DETAIL C



DETAIL D

* PARCEL 14 TLE INCLUDES AREA UNDERLYING PARCEL 114'S FEE AREA.

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1015	133+32.41	70.00'
1016	133+45.91	0.00'
1017	133+59.40	70.00'
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW2003	141+66.99	63.00'
2004	141+15.99	70.00'
2005	135+97.12	70.00'
2009	134+56.96	70.00'
2010	134+56.96	82.14'
PLE2011	135+22.96	82.13'
PRW2012	135+22.96	73.15'
PRW2013	135+25.13	70.00'
2014	138+73.54	70.00'
PRW2015	138+75.18	63.00'
PRW2016	140+17.06	63.00'
PRW2017	140+34.68	67.42'
PRW2018	141+10.73	66.65'
PRW2019	141+24.46	63.00'
PRW2030	138+74.71	65.00'
PRW2031	140+24.81	64.94'
PLE2032	141+44.00	66.18'
PLE2033	141+37.00	96.00'
PLE2034	140+74.50	121.00'
PLE2035	140+48.70	70.00'
PLE2036	134+65.00	70.00'
PLE2037	134+65.00	94.00'
PLE2038	134+50.00	94.00'
PLE2039	134+50.00	70.00'
PLE2040	134+20.77	70.00'
PLE2041	134+20.77	72.83'
PLE2042	134+30.92	73.08'
PLE2043	134+30.92	70.00'
PLE2044	135+36.98	70.00'
2045	135+97.12	70.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2051	146+25.32	75.03'
TLE2052	146+26.30	78.23'
TLE2053	144+77.97	81.28'
TLE2054	144+75.22	73.78'
TLE2055	141+67.47	67.69'
TLE2056	141+41.52	76.77'
TLE2057	141+40.64	124.96'
TLE2058	140+82.01	139.11'
TLE2059	140+45.77	85.40'
TLE2060	138+61.42	90.23'
TLE2061	138+59.57	82.18'
TLE2062	136+22.33	82.70'
TLE2063	136+05.22	70.00'
TLE2064	135+35.38	70.00'
TLE2065	135+35.50	119.36'
TLE2066	134+67.37	133.66'
TLE2067	134+43.81	79.88'
TLE2068	134+07.72	80.00'
TLE2069	134+07.72	70.00'
TLE2070	133+94.85	70.00'
TLE2071	133+94.85	80.00'
TLE2072	134+56.96	80.00'
TLE2073	135+22.96	91.00'
TLE2074	135+41.86	72.17'
TLE2075	138+13.65	72.24'
TLE2076	138+13.56	74.18'
TLE2077	140+32.63	75.66'
TLE2078	140+32.85	135.75'
TLE2079	141+13.47	135.66'
TLE2080	141+33.09	67.88'
TLE2081	143+98.90	73.92'
TLE2082	146+83.60	67.84'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-2001	S87° 41' 04"E	65.16'
2001-PRW2002	S87° 41' 04"E	65.18'
PRW2002-PRW2003	SEE CURVE DATA	
PRW2003-2004	S07° 20' 14"W	51.27'
2004-2005	SEE CURVE DATA	
2005-1017	S13° 16' 44"W	237.71'
1017-1016	N87° 38' 05"W	71.29'
1016-1015	N87° 38' 05"W	71.29'
1015-2009	N13° 16' 44"E	124.55'
2009-2010	N76° 43' 12"W	12.14'
2010-PLE2011	N13° 16' 48"E	66.00'
PLE2011-PRW2012	S76° 43' 12"E	8.98'
PRW2012-PRW2013	N68° 41' 03"E	3.83'
PRW2013-2045	N13° 16' 44"E	71.98'
2045-2014	SEE CURVE DATA	
2014-PRW2030	S89° 02' 55"E	5.14'
PRW2030-PRW2015	S89° 02' 55"E	2.06'
PRW2015-PRW2016	N14° 30' 02"E	142.43'
PRW2016-PRW2031	N00° 44' 17"E	8.01'
PRW2031-PRW2017	N00° 44' 17"E	10.22'
PRW2017-PRW2018	N15° 31' 17"E	76.36'
PRW2018-PRW2019	N29° 56' 26"E	14.26'
PRW2019-PRW2000	SEE CURVE DATA	

PARCEL 114 R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
2014-PRW2030	S89° 02' 55"E	5.14'
PRW2030-PRW2031	N14° 32' 10"E	150.69'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2003-PLE2032	S07° 20' 14"W	23.11'
PLE2032-PLE2033	S61° 40' 32"E	30.63'
PLE2033-PLE2034	S06° 52' 25"E	66.93'
PLE2034-PLE2035	S78° 12' 25"W	57.09'
PLE2035-2004	SEE CURVE DATA	
2004-PLE2032	N07° 20' 14"E	28.16'
PLE2035-2005	SEE CURVE DATA	
1017-PLE2039	N13° 16' 44"E	90.60'
PLE2039-PLE2036	N13° 16' 44"E	15.00'
PLE2036-PLE2037	S76° 43' 16"E	24.00'
PLE2037-PLE2038	S13° 16' 44"W	15.00'
PLE2038-PLE2039	N76° 43' 16"W	24.00'
PLE2036-2005	N13° 16' 44"E	132.40'
1015-PLE2040	N13° 16' 44"E	88.36'
PLE2040-PLE2041	N76° 43' 16"W	2.83'
PLE2041-PLE2042	N11° 50' 17"E	10.15'
PLE2042-PLE2043	S76° 43' 16"E	3.08'
PLE2043-PLE2040	S13° 16' 44"W	10.14'
PLE2043-2009	N13° 16' 44"E	26.04'
PLE2011-PLE2044	N54° 09' 26"E	18.54'
PLE2044-PRW2013	S13° 16' 44"W	11.84'
2045-PLE2044	S13° 16' 44"W	60.14'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2002-PRW2003
LCB=S16°14'18"W
LCH=549.10'
L=549.12'
R=16306.27'

2004-2005
LCB=S14°11'13"W
LCH=516.63'
L=516.65'
R=16299.27'

PLE2035-2004
LCB=S14°58'38"W
LCH=67.00'
L=67.00'
R=16299.27'

PLE2035-2005
LCB=S14°04'09"W
LCH=449.64'
L=449.65'
R=16299.27'

2045-2014
LCB=N13°45'46"E
LCH=277.60'
L=277.60'
R=16439.27'

PRW2019-PRW2000
LCB=N16°06'20"E
LCH=562.54'
L=562.57'
R=16432.27'

PROJECT NUMBER 2390-12-20-4.02
SHEET 2 OF 3
AMENDMENT NO:___

FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADD\23901200\SHEETSPLAN\PP\040101-RP.DWG
APPRAISAL PLAT DATE : 03/04/2024
PLOT DATE : 3/14/2024 12:18 PM
PLOT BY : Drew Nelson
PLOT NAME :
PLOT SCALE : ##########
2390-12-20-4.02

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.02
UTILITY SHEET

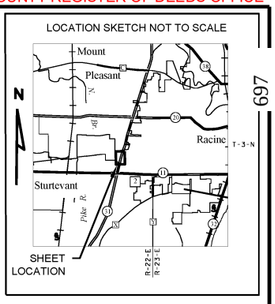
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

LOCATION SKETCH NOT TO SCALE



UTILITY INTERESTS REQUIRED

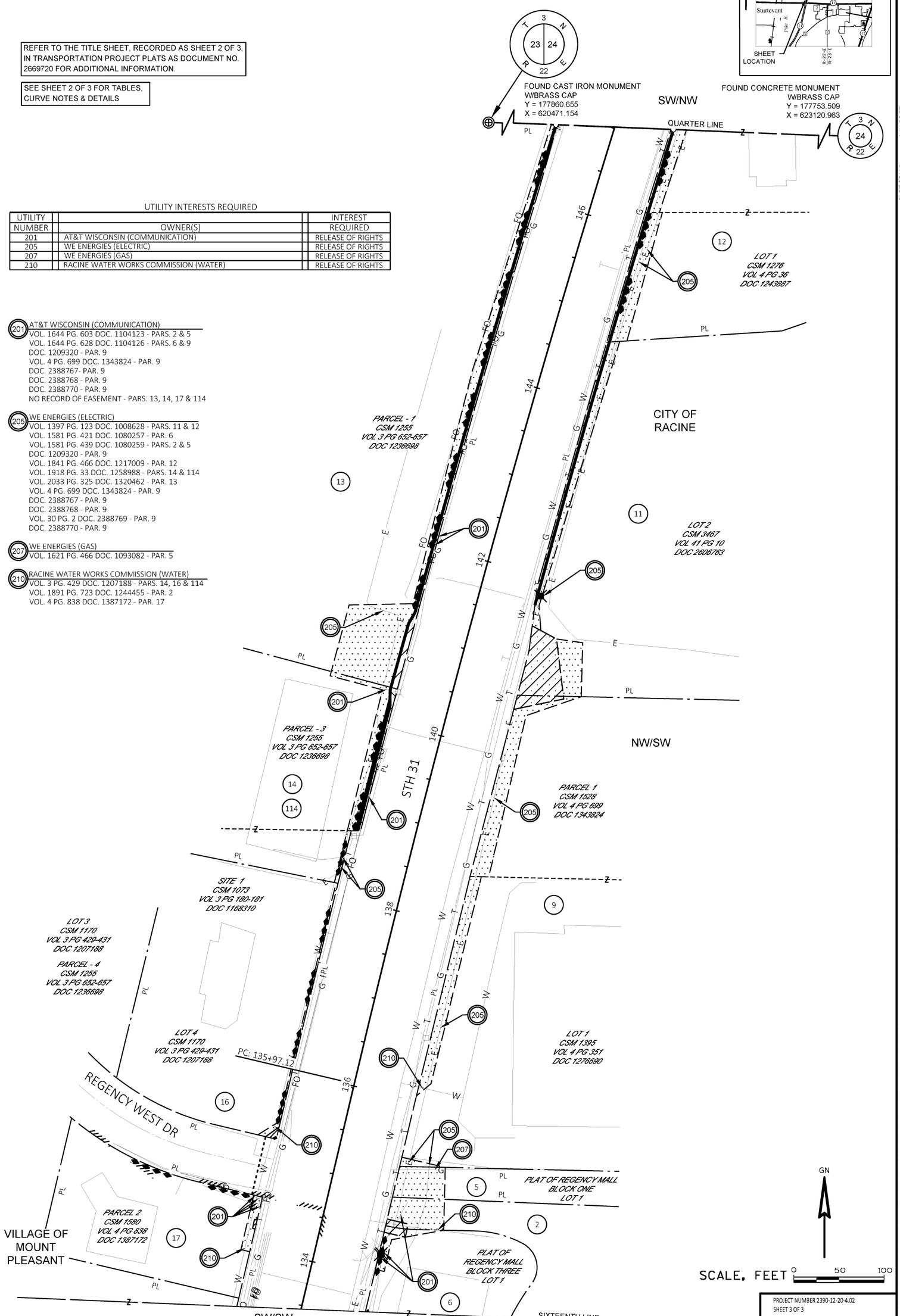
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1644 PG. 603 DOC. 1104123 - PARS. 2 & 5
VOL. 1644 PG. 628 DOC. 1104126 - PARS. 6 & 9
DOC. 1209320 - PAR. 9
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767- PAR. 9
DOC. 2388768 - PAR. 9
DOC. 2388770 - PAR. 9
NO RECORD OF EASEMENT - PARS. 13, 14, 17 & 114

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PARS. 11 & 12
VOL. 1581 PG. 421 DOC. 1080257 - PAR. 6
VOL. 1581 PG. 439 DOC. 1080259 - PARS. 2 & 5
DOC. 1209320 - PAR. 9
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 1918 PG. 33 DOC. 1258988 - PARS. 14 & 114
VOL. 2033 PG. 325 DOC. 1320462 - PAR. 13
VOL. 4 PG. 699 DOC. 1343824 - PAR. 9
DOC. 2388767 - PAR. 9
DOC. 2388768 - PAR. 9
VOL. 30 PG. 2 DOC. 2388769 - PAR. 9
DOC. 2388770 - PAR. 9

(207) WE ENERGIES (GAS)
VOL. 1621 PG. 466 DOC. 1093082 - PAR. 5

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 3 PG. 429 DOC. 1207188 - PARS. 14, 16 & 114
VOL. 1891 PG. 723 DOC. 1244455 - PAR. 2
VOL. 4 PG. 838 DOC. 1387172 - PAR. 17



GN

SCALE, FEET 0 50 100

PROJECT NUMBER 2390-12-20-4.02
SHEET 3 OF 3
AMENDMENT NO:___

2390-12-20-4.02
697
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
Drew Nelson
PLOT BY :
3/14/2024 12:20 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 03/04/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03 AMENDMENT NO: 2

AMENDMENT AMENDS PARCEL 19 OF TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.03 RECORDED AS DOCUMENT NUMBER 2672825.

THAT PART OF PARCEL 2 CSM 1255, LOT 1 CSM 1169, LOCATED IN PART OF THE SW1/4 OF THE NW1/4 AND PART OF THE SW1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, PART OF THE SW1/4 OF THE NW1/4 AND PART OF THE SE1/4 OF THE NW1/4 SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, ALL IN RACINE COUNTY, WISCONSIN.

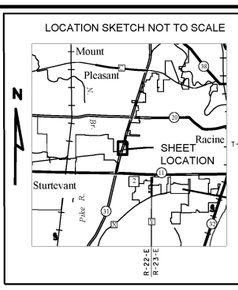
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE



Document # 2697416
RACINE COUNTY REGISTER OF DEEDS
March 28, 2025 11:16 AM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-0000025249
Pages: 3

698

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.03 A2
SHEET 1 OF 3
AMENDMENT NO: 2

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

EXISTING ACCESS CONTROL ALONG STH 31 AND 21ST ST HAS BEEN ESTABLISHED FROM CSM 1169.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

REFER TO THE TITLE SHEET. RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

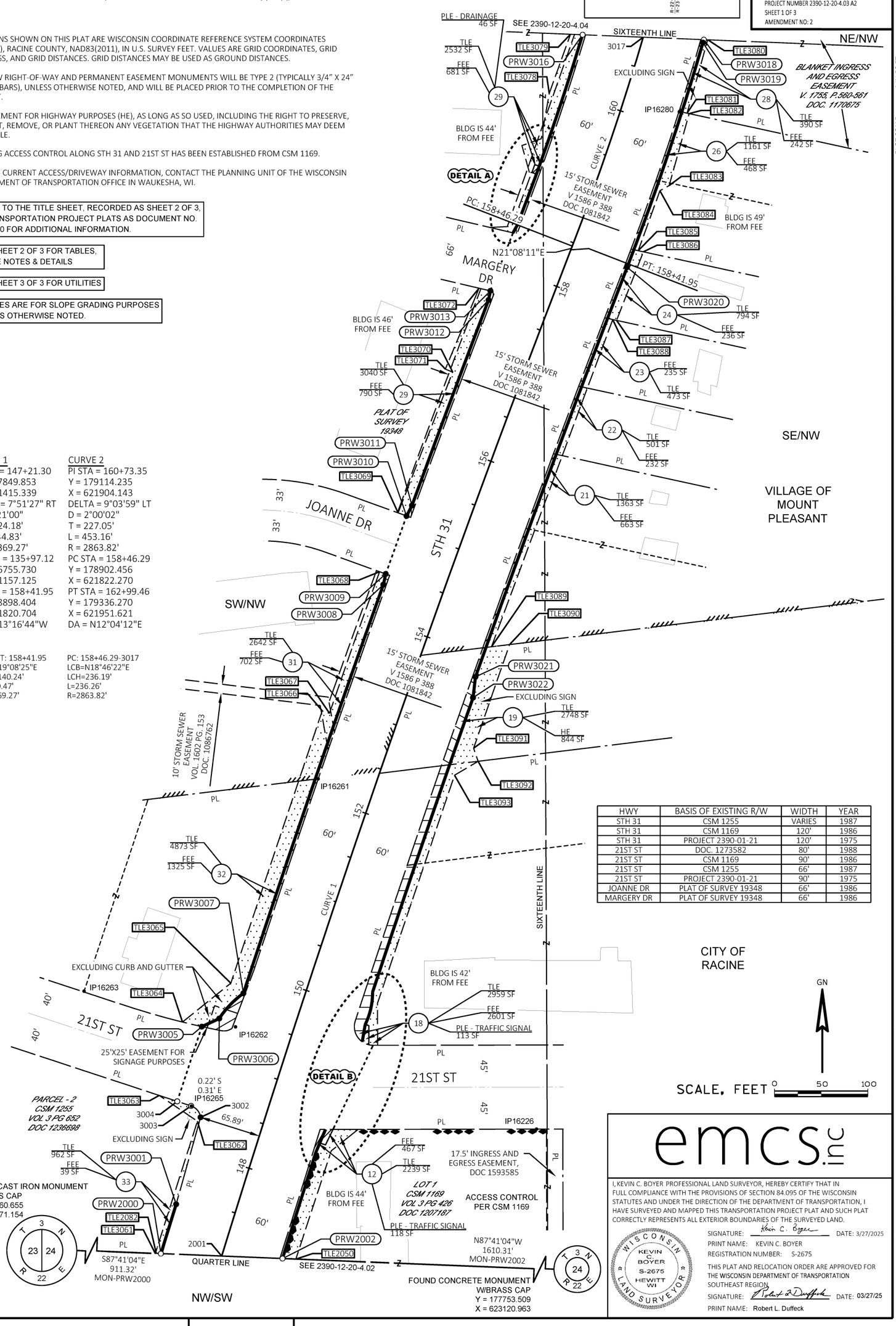
SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

CURVE 1	CURVE 2
PI STA = 147+21.30	PI STA = 160+73.35
Y = 177849.853	Y = 179114.235
X = 621415.339	X = 621904.143
DELTA = 7°51'27" RT	DELTA = 9°03'59" LT
D = 0°21'00"	D = 2°00'02"
T = 1124.18'	T = 227.05'
L = 2244.83'	L = 453.16'
R = 16369.27'	R = 2863.82'
PC STA = 135+97.12	PC STA = 158+46.29
Y = 176755.730	Y = 178902.456
X = 621157.125	X = 621822.270
PT STA = 158+41.95	PT STA = 162+99.46
Y = 178898.404	Y = 179336.270
X = 621820.704	X = 621951.621
DB = S13°16'44"W	DA = N12°04'12"E

2001-PT: 158+41.95	PC: 158+46.29-3017
LCB=N19°08'25"E	LCB=N18°46'22"E
LCH=1140.24'	LCH=236.19'
L=1140.47'	L=236.26'
R=16369.27'	R=2863.82'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1255	VARIES	1987
STH 31	CSM 1169	120'	1986
STH 31	PROJECT 2390-01-21	120'	1975
21ST ST	DOC. 1273582	80'	1988
21ST ST	CSM 1169	90'	1986
21ST ST	CSM 1255	66'	1987
21ST ST	PROJECT 2390-01-21	90'	1975
JOANNE DR	PLAT OF SURVEY 19348	66'	1986
MARGERY DR	PLAT OF SURVEY 19348	66'	1986



I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 3/27/2025
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

SIGNATURE: Robert L Duffeck DATE: 03/27/25
PRINT NAME: Robert L. Duffeck

FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG
APPRAISAL PLAT DATE : 01/22/2024
PLOT DATE : 3/27/2025 6:20 AM
PLOT BY : Todd Copiskey
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
2390-12-20-4.03 A2

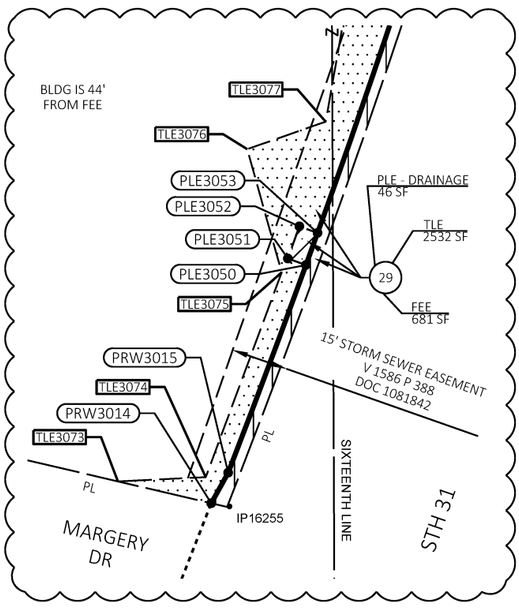
COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03 AMENDMENT NO: 2
EXTENSION SHEET

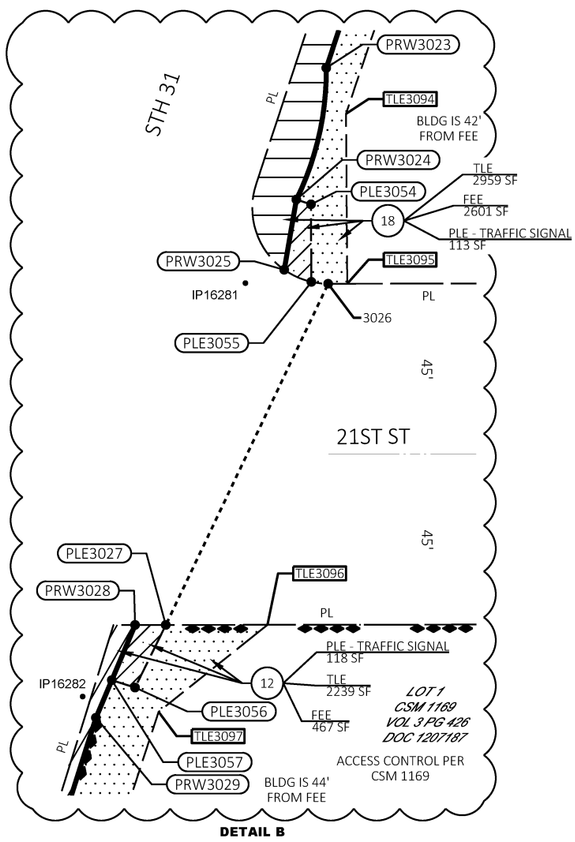
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN



DETAIL A



DETAIL B

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2000-PRW3001 LCB=N17°10'58"E LCH=55.31' L=55.31' R=16432.27'	3002-3003 LCB=N39°47'18"W LCH=15.90' L=16.76' R=15.00'	TLE3064-PRW3005 LCB=S76°44'38"E LCH=21.27' L=21.27' R=869.16'	PRW3006-PRW3007 LCB=N43°47'26"E LCH=37.35' L=37.55' R=105.00'	PRW3007-PRW3008 LCB=N18°54'43"E LCH=462.49' L=462.50' R=16432.27'
PRW3011-PRW3012 LCB=N20°26'29"E LCH=234.75' L=234.75' R=16432.27'	PRW3015-PRW3016 LCB=N18°56'25"E LCH=215.71' L=215.77' R=2800.82'	PRW3015-PLE3050 LCB=N20°32'54"E LCH=58.53' L=58.53' R=2800.82'	PLE3053-PLE3050 LCB=S19°51'27"W LCH=9.02' L=9.02' R=2800.82'	PLE3053-PRW3016 LCB=N18°14'57"E LCH=148.20' L=148.22' R=2800.82'
PRW3018-PRW3019 LCB=S16°07'59"W LCH=3.37' L=3.37' R=2926.82'	PRW3019-PRW3020 LCB=S18°39'04"W LCH=253.82' L=253.90' R=2927.13'	PRW3020-PRW3021 LCB=S20°19'48"W LCH=467.60' L=467.62' R=16306.27'	PRW3022-PRW3023 LCB=S18°50'48"W LCH=333.02' L=333.02' R=16301.27'	PRW3023-PRW3024 LCB=S12°47'04"W LCH=35.62' L=35.95' R=77.00'
PRW3025-3026 LCB=S72°22'29"E LCH=12.16' L=12.36' R=20.00'	PRW3029-PRW2002 LCB=S17°24'45"W LCH=119.25' L=119.25' R=16306.27'	PRW3025-PLE3055 LCB=S66°00'22"E LCH=7.86' L=7.91' R=20.00'	3026-PLE3055 LCB=N83°42'41"W LCH=4.44' L=4.45' R=20.00'	TLE3067-TLE3068 LCB=N19°29'06"E LCH=160.69' L=160.70' R=5559.15'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW3001	147+39.97	63.00'
3002	148+36.27	65.89'
3003	148+44.80	79.29'
3004	148+44.95	94.93'
PRW3005	149+28.69	94.31'
PRW3006	149+42.63	79.22'
PRW3007	149+76.12	63.00'
PRW3008	154+36.85	63.00'
PRW3009	154+48.38	64.51'
PRW3010	155+14.12	64.61'
PRW3011	155+26.54	63.00'
PRW3012	157+60.39	63.00'
PRW3013	157+70.25	64.65'
PRW3014	158+36.66	64.26'
PRW3015	158+45.76	63.00'
PRW3016	160+66.37	63.00'
3017	160+82.55	0.00'
PRW3018	160+98.02	63.00'
PRW3019	160+94.73	63.00'
PRW3020	158+46.29	63.00'
PRW3021	153+76.88	63.00'
PRW3022	153+54.99	68.00'
PRW3023	150+20.57	68.00'
PRW3024	149+84.96	71.36'
PRW3025	149+66.27	74.07'
3026	149+66.36	86.23'
PLE3027	148+67.01	73.14'
PRW3028	148+64.53	65.44'
PRW3029	148+37.95	63.00'
PLE3050	159+05.60	63.00'
PLE3051	159+05.59	68.08'
PLE3052	159+14.81	68.11'
PLE3053	159+14.82	63.00'
PLE3054	149+84.95	75.42'
PLE3055	149+65.45	81.89'
PLE3056	148+48.72	70.43'
PLE3057	148+48.72	63.99'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2082	146+83.60	67.84'
TLE3061	146+83.36	68.75'
TLE3062	148+31.33	67.90'
TLE3063	148+45.15	115.26'
TLE3064	149+26.97	115.51'
TLE3065	149+82.19	79.23'
TLE3066	152+88.31	79.78'
TLE3067	152+88.40	71.53'
TLE3068	154+48.39	71.51'
TLE3069	155+14.10	74.21'
TLE3070	156+75.08	71.72'
TLE3071	156+75.27	80.11'
TLE3072	157+68.58	77.00'
TLE3073	158+33.18	89.30'
TLE3074	158+42.54	68.10'
TLE3075	159+01.49	68.37'
TLE3076	159+29.80	87.92'
TLE3077	159+43.89	70.79'
TLE3078	159+93.93	78.22'
TLE3079	160+63.05	75.59'
TLE3080	160+99.00	67.08'
TLE3081	160+19.29	68.72'
TLE3082	160+19.50	70.96'
TLE3083	159+41.64	75.05'
TLE3084	159+33.34	67.56'
TLE3085	158+66.67	67.74'
TLE3086	158+67.48	73.36'
TLE3087	157+88.95	72.84'
TLE3088	157+88.31	68.69'
TLE3089	154+13.19	68.37'
TLE3090	154+21.96	85.84'
TLE3091	153+03.87	86.49'
TLE3092	152+92.20	95.70'
TLE3093	152+69.73	76.70'
TLE3094	150+10.67	76.72'
TLE3095	149+67.94	91.01'
TLE3096	148+75.26	98.68'
TLE3097	148+44.48	78.30'

SCHEDULE OF LANDS & INTERESTS REQUIRED

* AREA UPDATED PER AFFIDAVIT OF CORRECTION RECORDED IN DOCUMENT # 2699548

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			HE	PLE	TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT	SQ FT	SQ FT
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/PLE/TLE	467	---	467	---	118	2239
18	TIME WARNER CABLE MIDWEST LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	2601	---	2601	---	113	2959
19	WISCONSIN ELECTRIC POWER COMPANY D/B/A WE ENERGIES F/K/A THE MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY	HE/TLE	---	0*	---	844	---	2748
21	GREAT LAKES COMMUNITY CONSERVATION CORPS, INCORPORATED	FEE/TLE	663	---	663	---	---	1363
22	EUGENIA M. THE DE VAZQUEZ REVOCABLE TRUST DATED AUGUST 21, 2023	FEE/TLE	232	---	232	---	---	501
23	EDWARD J. DECHANT	FEE/TLE	235	---	235	---	---	473
24	RENE REAL ESTATE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	236	---	236	---	---	794
26	TAJNAI FAMILY TRUST	FEE/TLE	468	---	468	---	---	1161
28	PSP REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	242	---	242	---	---	390
29	STARC REGENCY LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/PLE/TLE	1471	---	1471	---	46	5572
31	SLS INVESTMENTS, L.P., A DELAWARE LIMITED PARTNERSHIP	FEE/TLE	702	---	702	---	---	2642
32	SEKAO, INC. A WISCONSIN CORPORATION	FEE/TLE	1325	---	1325	---	---	4873
33	SPEEDWAY LLC F/K/A SPEEDWAY SUPERAMERICA LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/TLE	39	---	39	---	---	962

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16226	177957.161	621784.017	SPIKE
IP16255	178915.764	621763.676	1.25" O.D. IRON PIPE
IP16261	178332.134	621550.221	1" O.D. IRON PIPE
IP16262	178066.587	621461.720	1" O.D. IRON PIPE
IP16263	178104.815	621299.550	1.25" O.D. IRON PIPE
IP16265	177981.776	621414.436	1.25" O.D. IRON PIPE
IP16280	179046.251	621936.948	1.25" O.D. IRON PIPE
IP16281	178047.088	621587.117	3" O.D. IRON PIPE
IP16282	177937.957	621544.160	IRON STAKE

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW3015-PLE3050	SEE CURVE DATA	
PLE3050-PLE3051	N70° 07' 07"W	5.08'
PLE3051-PLE3052	N19° 41' 25"E	9.00'
PLE3052-PLE3053	S70° 18' 35"E	5.11'
PLE3053-PLE3050	SEE CURVE DATA	
PLE3053-PRW3016	SEE CURVE DATA	
3026-PLE3055	SEE CURVE DATA	
PLE3055-PLE3054	N00° 20' 38"W	20.46'
PLE3054-PRW3024	N71° 46' 03"W	4.05'
PRW3025-PLE3055	SEE CURVE DATA	
PLE3027-PLE3056	S26° 08' 44"W	18.41'
PLE3056-PLE3057	N72° 20' 25"W	6.44'
PLE3057-PRW3028	N22° 55' 42"E	15.81'
PRW3029-PLE3057	N22° 55' 42"E	10.78'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-PRW3001	SEE CURVE DATA	
PRW3001-3002	N15° 44' 00"E	96.73'
3002-3003	SEE CURVE DATA	
3003-3004	N71° 47' 14"W	15.64'
3004-PRW3005	N18° 12' 46"E	84.23'
PRW3005-PRW3006	N65° 06' 02"E	20.59'
PRW3006-PRW3007	SEE CURVE DATA	
PRW3007-PRW3008	SEE CURVE DATA	
PRW3008-PRW3009	N12° 18' 31"E	11.67'
PRW3009-PRW3010	N19° 47' 22"E	66.00'
PRW3010-PRW3011	N27° 21' 01"E	12.57'
PRW3011-PRW3012	SEE CURVE DATA	
PRW3012-PRW3013	N11° 23' 24"E	10.03'
PRW3013-PRW3014	N21° 20' 10"E	66.68'
PRW3014-PRW3015	N29° 00' 18"E	9.21'
PRW3015-PRW3016	SEE CURVE DATA	
PRW3016-3017	S87° 40' 59"E	65.00'
3017-PRW3018	S87° 40' 59"E	64.91'
PRW3018-PRW3019	SEE CURVE DATA	
PRW3019-PRW3020	SEE CURVE DATA	
PRW3020-PRW3021	SEE CURVE DATA	
PRW3021-PRW3022	S06° 33' 31"W	22.38'
PRW3022-PRW3023	SEE CURVE DATA	
PRW3023-PRW3024	SEE CURVE DATA	
PRW3024-PRW3025	S09° 49' 43"W	18.81'
PRW3025-3026	SEE CURVE DATA	
3026-PLE3027	S25° 26' 27"W	99.73'
PLE3027-PRW3028	S89° 55' 12"W	8.09'
PRW3028-PRW3029	S22° 55' 42"W	26.59'
PRW3029-PRW2002	SEE CURVE DATA	
PRW2002-2001	N87° 41' 04"W	65.18'
2001-PRW2000	N87° 41' 04"W	65.16'

PROJECT NUMBER 2390-12-20-4.03 A2
SHEET 2 OF 3
AMENDMENT NO: 2

PLOT SCALE : ##########
PLOT NAME : Y:\52XX\231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\PP\040101-RP-AMENDMENT 02.DWG
PLOT BY : Todd Copiskey
PLOT DATE : 3/27/2025 6:21 AM
PLOT DATE :
FILE NAME :
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03 AMENDMENT NO: 2
UTILITY SHEET

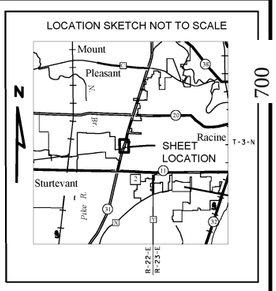
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

LOCATION SKETCH NOT TO SCALE



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
208	MT PLEASANT (SANITARY SEWER)	RELEASE OF RIGHTS

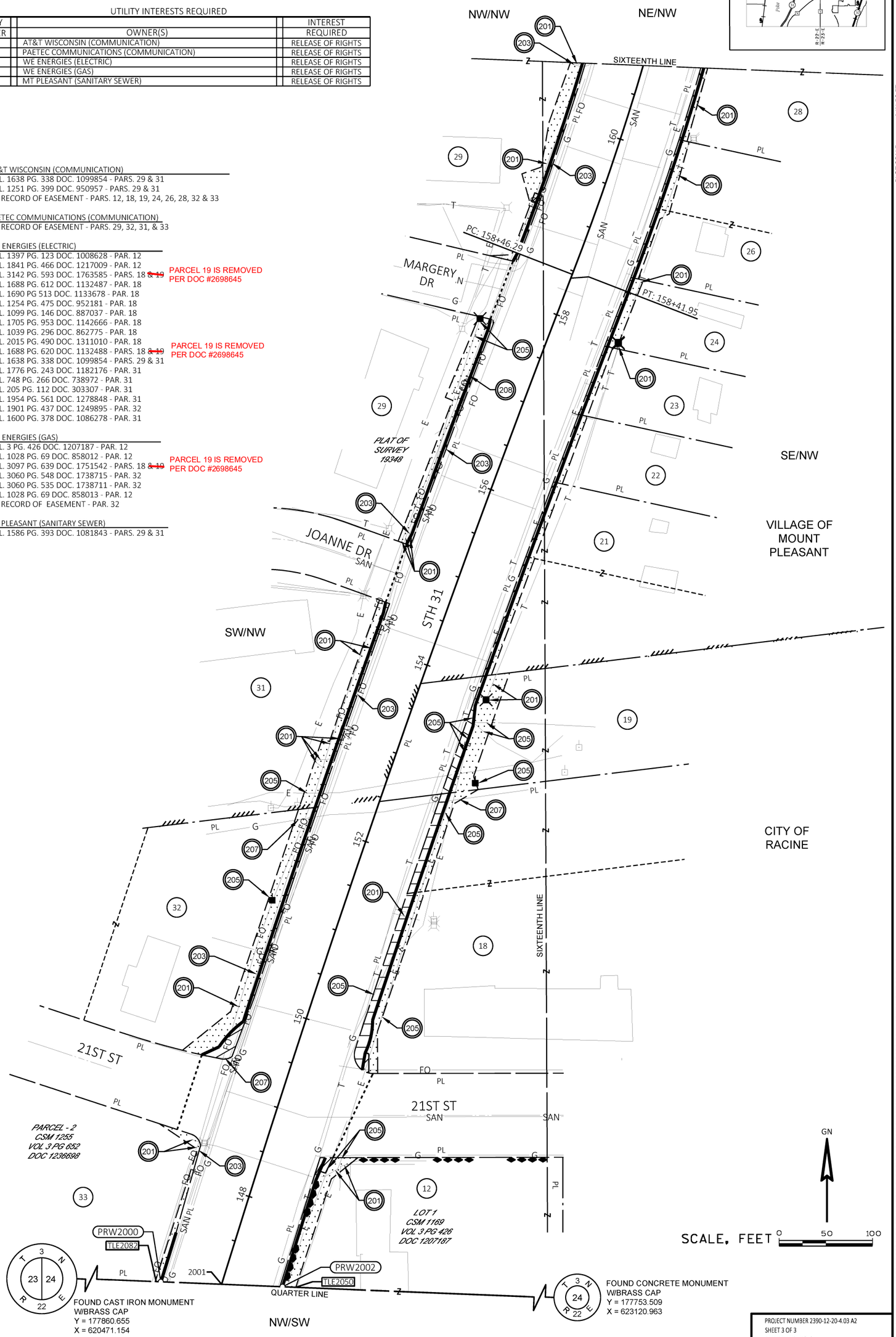
(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1638 PG. 338 DOC. 1099854 - PARS. 29 & 31
VOL. 1251 PG. 399 DOC. 950957 - PARS. 29 & 31
NO RECORD OF EASEMENT - PARS. 12, 18, 19, 24, 26, 28, 32 & 33

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PARS. 29, 32, 31, & 33

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PAR. 12
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 3142 PG. 593 DOC. 1763585 - PARS. 18 ~~& 19~~ PARCEL 19 IS REMOVED PER DOC #2698645
VOL. 1688 PG. 612 DOC. 1132487 - PAR. 18
VOL. 1690 PG 513 DOC. 1133678 - PAR. 18
VOL. 1254 PG. 475 DOC. 952181 - PAR. 18
VOL. 1099 PG. 146 DOC. 887037 - PAR. 18
VOL. 1705 PG. 953 DOC. 1142666 - PAR. 18
VOL. 1039 PG. 296 DOC. 862775 - PAR. 18
VOL. 2015 PG. 490 DOC. 1311010 - PAR. 18
VOL. 1688 PG. 620 DOC. 1132488 - PARS. 18 ~~& 19~~ PARCEL 19 IS REMOVED PER DOC #2698645
VOL. 1638 PG. 338 DOC. 1099854 - PARS. 29 & 31
VOL. 1776 PG. 243 DOC. 1182176 - PAR. 31
VOL. 748 PG. 266 DOC. 738972 - PAR. 31
VOL. 205 PG. 112 DOC. 303307 - PAR. 31
VOL. 1954 PG. 561 DOC. 1278848 - PAR. 31
VOL. 1901 PG. 437 DOC. 1249895 - PAR. 32
VOL. 1600 PG. 378 DOC. 1086278 - PAR. 31

(207) WE ENERGIES (GAS)
VOL. 3 PG. 426 DOC. 1207187 - PAR. 12
VOL. 1028 PG. 69 DOC. 858012 - PAR. 12
VOL. 3097 PG. 639 DOC. 1751542 - PARS. 18 ~~& 19~~ PARCEL 19 IS REMOVED PER DOC #2698645
VOL. 3060 PG. 548 DOC. 1738715 - PAR. 32
VOL. 3060 PG. 535 DOC. 1738711 - PAR. 32
VOL. 1028 PG. 69 DOC. 858013 - PAR. 12
NO RECORD OF EASEMENT - PAR. 32

(208) MT PLEASANT (SANITARY SEWER)
VOL. 1586 PG. 393 DOC. 1081843 - PARS. 29 & 31



PROJECT NUMBER 2390-12-20-4.03 A2
SHEET 3 OF 3
AMENDMENT NO: 2

2390-12-20-4.03 A2
700
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : Todd Copiskey
PLOT DATE : 3/27/2025 6:21 AM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG
APPRAISAL PLAT DATE : 04/15/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03 AMENDMENT NO: 1

AMENDMENT ADDS UTILITY NUMBER 203 TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.03 RECORDED AS DOCUMENT NUMBER 2672825.

THAT PART OF PARCEL 2 CSM 1255, LOT 1 CSM 1169, LOCATED IN PART OF THE SW1/4 OF THE NW1/4 AND PART OF THE SW1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, PART OF THE SW1/4 OF THE NW1/4 AND PART OF THE SE1/4 OF THE NW1/4 SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, ALL IN RACINE COUNTY, WISCONSIN.

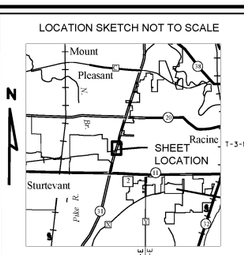
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE



Document # 2677843
RACINE COUNTY REGISTER OF DEEDS
June 03, 2024 7:37 AM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-0000025249
Pages: 3

701

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.03
SHEET 1 OF 3
AMENDMENT NO: 1

NW/NW

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/PLE/TLE	467	---	467	118	2239
18	TIME WARNER CABLE MIDWEST LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	2601	---	2601	113	2959
19	WISCONSIN ELECTRIC POWER COMPANY D/B/A WE ENERGIES F/K/A THE MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY	FEE/TLE	844	---	844	---	2748
21	GREAT LAKES COMMUNITY CONSERVATION CORPS, INCORPORATED	FEE/TLE	663	---	663	---	1363
22	EUGENIA M. THE DE VAZQUEZ REVOCABLE TRUST DATED AUGUST 21, 2023	FEE/TLE	232	---	232	---	501
23	EDWARD J. DECHANT	FEE/TLE	235	---	235	---	473
24	RENE REAL ESTATE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	236	---	236	---	794
26	TAINAI FAMILY TRUST	FEE/TLE	468	---	468	---	1161
28	PSP REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	242	---	242	---	390
29	STARC REGENCY LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/PLE/TLE	1471	---	1471	46	5572
31	SLS INVESTMENTS, L.P., A DELAWARE LIMITED PARTNERSHIP	FEE/TLE	702	---	702	---	2642
32	SEKAO, INC, A WISCONSIN CORPORATION	FEE/TLE	1325	---	1325	---	4873
33	SPEEDWAY LLC F/K/A SPEEDWAY SUPERAMERICA LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/TLE	39	---	39	---	962

NOTES:

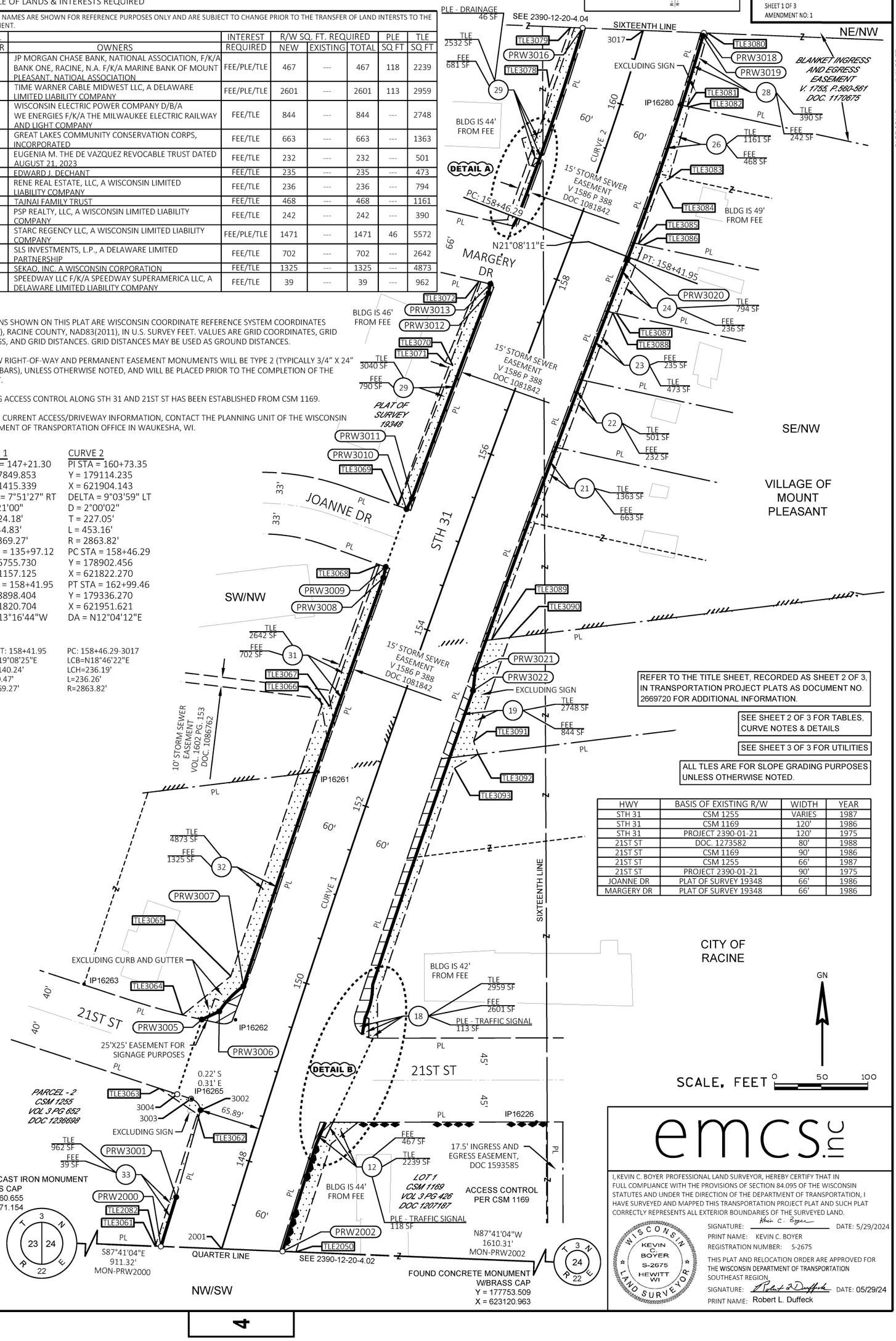
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 31 AND 21ST ST HAS BEEN ESTABLISHED FROM CSM 1169.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

CURVE 1	CURVE 2
PI STA = 147+21.30	PI STA = 160+73.35
Y = 177849.853	Y = 179114.235
X = 621415.339	X = 621904.143
DELTA = 7°51'27" RT	DELTA = 9°03'59" LT
D = 0°21'00"	D = 2°00'02"
T = 1124.18'	T = 227.05'
L = 2244.83'	L = 453.16'
R = 16369.27'	R = 2863.82'
PC STA = 135+97.12	PC STA = 158+46.29
Y = 176755.730	Y = 178902.456
X = 621157.125	X = 621822.270
PT STA = 158+41.95	PT STA = 162+99.46
Y = 178898.404	Y = 179336.270
X = 621820.704	X = 621951.621
DB = S13°16'44"W	DA = N12°04'12"E
2001-PT: 158+41.95	PC: 158+46.29-3017
LCB=N19°08'25"E	LCB=N18°46'22"E
LCH=1140.24'	LCH=236.19'
L=1140.47'	L=236.26'
R=16369.27'	R=2863.82'



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1255	VARIES	1987
STH 31	CSM 1169	120'	1986
STH 31	PROJECT 2390-01-21	120'	1975
21ST ST	DOC. 1273582	80'	1988
21ST ST	CSM 1169	90'	1986
21ST ST	CSM 1255	66'	1987
21ST ST	PROJECT 2390-01-21	90'	1975
JOANNE DR	PLAT OF SURVEY 19348	66'	1986
MARGERY DR	PLAT OF SURVEY 19348	66'	1986

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 5/29/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

SIGNATURE: Robert L. Duffeck DATE: 05/29/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.03 A1
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : admin
PLOT DATE : 4/15/2024 2:50 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\S2XX\S231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

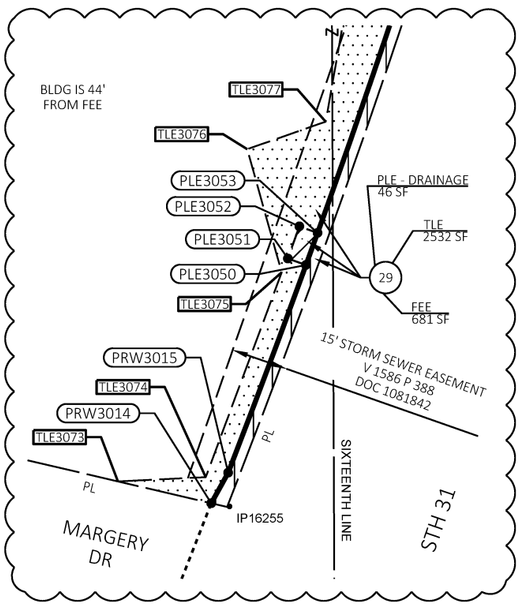
COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03 AMENDMENT NO: 1
EXTENSION SHEET

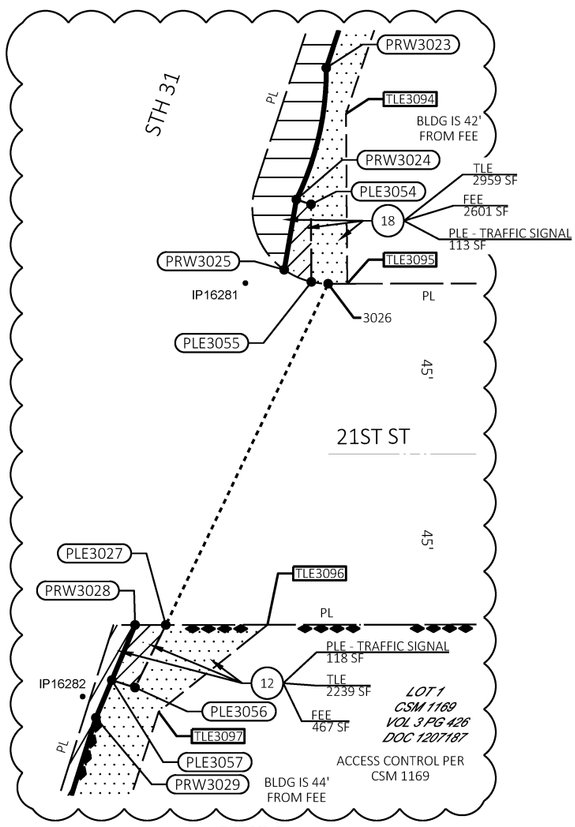
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN



DETAIL A



DETAIL B

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2000-PRW3001 LCB=N17°10'58"E LCH=55.31' L=55.31' R=16432.27'	3002-3003 LCB=N39°47'18"W LCH=15.90' L=16.76' R=15.00'	TLE3064-PRW3005 LCB=S76°44'38"E LCH=21.27' L=21.27' R=869.16'	PRW3006-PRW3007 LCB=N43°47'26"E LCH=37.35' L=37.55' R=105.00'	PRW3007-PRW3008 LCB=N18°54'43"E LCH=462.49' L=462.50' R=16432.27'
PRW3011-PRW3012 LCB=N20°26'29"E LCH=234.75' L=234.75' R=16432.27'	PRW3015-PRW3016 LCB=N18°56'25"E LCH=215.71' L=215.77' R=2800.82'	PRW3015-PLE3050 LCB=N20°32'54"E LCH=58.53' L=58.53' R=2800.82'	PLE3053-PLE3050 LCB=S19°51'27"W LCH=9.02' L=9.02' R=2800.82'	PLE3053-PRW3016 LCB=N18°14'57"E LCH=148.20' L=148.22' R=2800.82'
PRW3018-PRW3019 LCB=S16°07'59"W LCH=3.37' L=3.37' R=2926.82'	PRW3019-PRW3020 LCB=S18°39'04"W LCH=253.82' L=253.90' R=2927.13'	PRW3020-PRW3021 LCB=S20°19'48"W LCH=467.60' L=467.62' R=16306.27'	PRW3022-PRW3023 LCB=S18°50'48"W LCH=333.02' L=333.02' R=16301.27'	PRW3023-PRW3024 LCB=S12°47'04"W LCH=35.62' L=35.95' R=77.00'
PRW3025-3026 LCB=S72°22'29"E LCH=12.16' L=12.36' R=20.00'	PRW3029-PRW2002 LCB=S17°24'45"W LCH=119.25' L=119.25' R=16306.27'	PRW3025-PLE3055 LCB=S66°00'22"E LCH=7.86' L=7.91' R=20.00'	3026-PLE3055 LCB=N83°42'41"W LCH=4.44' L=4.45' R=20.00'	TLE3067-TLE3068 LCB=N19°29'06"E LCH=160.69' L=160.70' R=5559.15'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW3001	147+39.97	63.00'
3002	148+36.27	65.89'
3003	148+44.80	79.29'
3004	148+44.95	94.93'
PRW3005	149+28.69	94.31'
PRW3006	149+42.63	79.22'
PRW3007	149+76.12	63.00'
PRW3008	154+36.85	63.00'
PRW3009	154+48.38	64.51'
PRW3010	155+14.12	64.61'
PRW3011	155+26.54	63.00'
PRW3012	157+60.39	63.00'
PRW3013	157+70.25	64.65'
PRW3014	158+36.66	64.26'
PRW3015	158+45.76	63.00'
PRW3016	160+66.37	63.00'
3017	160+82.55	0.00'
PRW3018	160+98.02	63.00'
PRW3019	160+94.73	63.00'
PRW3020	158+46.29	63.00'
PRW3021	153+76.88	63.00'
PRW3022	153+54.99	68.00'
PRW3023	150+20.57	68.00'
PRW3024	149+84.96	71.36'
PRW3025	149+66.27	74.07'
3026	149+66.36	86.23'
PLE3027	148+67.01	73.14'
PRW3028	148+64.53	65.44'
PRW3029	148+37.95	63.00'
PLE3050	159+05.60	63.00'
PLE3051	159+05.59	68.08'
PLE3052	159+14.81	68.11'
PLE3053	159+14.82	63.00'
PLE3054	149+84.95	75.42'
PLE3055	149+65.45	81.89'
PLE3056	148+48.72	70.43'
PLE3057	148+48.72	63.99'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2082	146+83.60	67.84'
TLE3061	146+83.36	68.75'
TLE3062	148+31.33	67.90'
TLE3063	148+45.15	115.26'
TLE3064	149+26.97	115.51'
TLE3065	149+82.19	79.23'
TLE3066	152+88.31	79.78'
TLE3067	152+88.40	71.53'
TLE3068	154+48.39	71.51'
TLE3069	155+14.10	74.21'
TLE3070	156+75.08	71.72'
TLE3071	156+75.27	80.11'
TLE3072	157+68.58	77.00'
TLE3073	158+33.18	89.30'
TLE3074	158+42.54	68.10'
TLE3075	159+01.49	68.37'
TLE3076	159+29.80	87.92'
TLE3077	159+43.89	70.79'
TLE3078	159+93.93	78.22'
TLE3079	160+63.05	75.59'
TLE3080	160+99.00	67.08'
TLE3081	160+19.29	68.72'
TLE3082	160+19.50	70.96'
TLE3083	159+41.64	75.05'
TLE3084	159+33.34	67.56'
TLE3085	158+66.67	67.74'
TLE3086	158+67.48	73.36'
TLE3087	157+88.95	72.84'
TLE3088	157+88.31	68.69'
TLE3089	154+13.19	68.37'
TLE3090	154+21.96	85.84'
TLE3091	153+03.87	86.49'
TLE3092	152+92.20	95.70'
TLE3093	152+69.73	76.70'
TLE3094	150+10.67	76.72'
TLE3095	149+67.94	91.01'
TLE3096	148+75.26	98.68'
TLE3097	148+44.48	78.30'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-PRW3001	SEE CURVE DATA	
PRW3001-3002	N15° 44' 00"E	96.73'
3002-3003	SEE CURVE DATA	
3003-3004	N71° 47' 14"W	15.64'
3004-PRW3005	N18° 12' 46"E	84.23'
PRW3005-PRW3006	N65° 06' 02"E	20.59'
PRW3006-PRW3007	SEE CURVE DATA	
PRW3007-PRW3008	SEE CURVE DATA	
PRW3008-PRW3009	N12° 18' 31"E	11.67'
PRW3009-PRW3010	N19° 47' 22"E	66.00'
PRW3010-PRW3011	N27° 21' 01"E	12.57'
PRW3011-PRW3012	SEE CURVE DATA	
PRW3012-PRW3013	N11° 23' 24"E	10.03'
PRW3013-PRW3014	N21° 20' 10"E	66.68'
PRW3014-PRW3015	N29° 00' 18"E	9.21'
PRW3015-PRW3016	SEE CURVE DATA	
PRW3016-3017	S87° 40' 59"E	65.00'
3017-PRW3018	S87° 40' 59"E	64.91'
PRW3018-PRW3019	SEE CURVE DATA	
PRW3019-PRW3020	SEE CURVE DATA	
PRW3020-PRW3021	SEE CURVE DATA	
PRW3021-PRW3022	S06° 33' 31"W	22.38'
PRW3022-PRW3023	SEE CURVE DATA	
PRW3023-PRW3024	SEE CURVE DATA	
PRW3024-PRW3025	S09° 49' 43"W	18.81'
PRW3025-3026	SEE CURVE DATA	
3026-PLE3027	S25° 26' 27"W	99.73'
PLE3027-PRW3028	S89° 55' 12"W	8.09'
PRW3028-PRW3029	S22° 55' 42"W	26.59'
PRW3029-PRW2002	SEE CURVE DATA	
PRW2002-2001	N87° 41' 04"W	65.18'
2001-PRW2000	N87° 41' 04"W	65.16'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW3015-PLE3050	SEE CURVE DATA	
PLE3050-PLE3051	N70° 07' 07"W	5.08'
PLE3051-PLE3052	N19° 41' 25"E	9.00'
PLE3052-PLE3053	S70° 18' 35"E	5.11'
PLE3053-PLE3050	SEE CURVE DATA	
PLE3053-PRW3016	SEE CURVE DATA	
3026-PLE3055	SEE CURVE DATA	
PLE3055-PLE3054	N00° 20' 38"W	20.46'
PLE3054-PRW3024	N71° 46' 03"W	4.05'
PRW3025-PLE3055	SEE CURVE DATA	
PLE3027-PLE3056	S26° 08' 44"W	18.41'
PLE3056-PLE3057	N72° 20' 25"W	6.44'
PLE3057-PRW3028	N22° 55' 42"E	15.81'
PRW3029-PLE3057	N22° 55' 42"E	10.78'

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16226	177957.161	621784.017	SPIKE
IP16255	178915.764	621763.676	1.25" O.D. IRON PIPE
IP16261	178332.134	621550.221	1" O.D. IRON PIPE
IP16262	178066.587	621461.720	1" O.D. IRON PIPE
IP16263	178104.815	621299.550	1.25" O.D. IRON PIPE
IP16265	177981.776	621414.436	1.25" O.D. IRON PIPE
IP16280	179046.251	621936.948	1.25" O.D. IRON PIPE
IP16281	178047.088	621587.117	3" O.D. IRON PIPE
IP16282	177937.957	621544.160	IRON STAKE

PROJECT NUMBER 2390-12-20-4.03
SHEET 2 OF 3
AMENDMENT NO: 1

PLOT SCALE : ##########
PLOT NAME : Michaela Galganski
PLOT BY : 5/29/2024 2:37 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03 AMENDMENT NO: 1
UTILITY SHEET

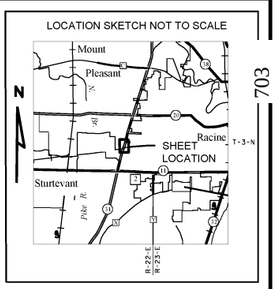
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

LOCATION SKETCH NOT TO SCALE



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
208	MT PLEASANT (SANITARY SEWER)	RELEASE OF RIGHTS

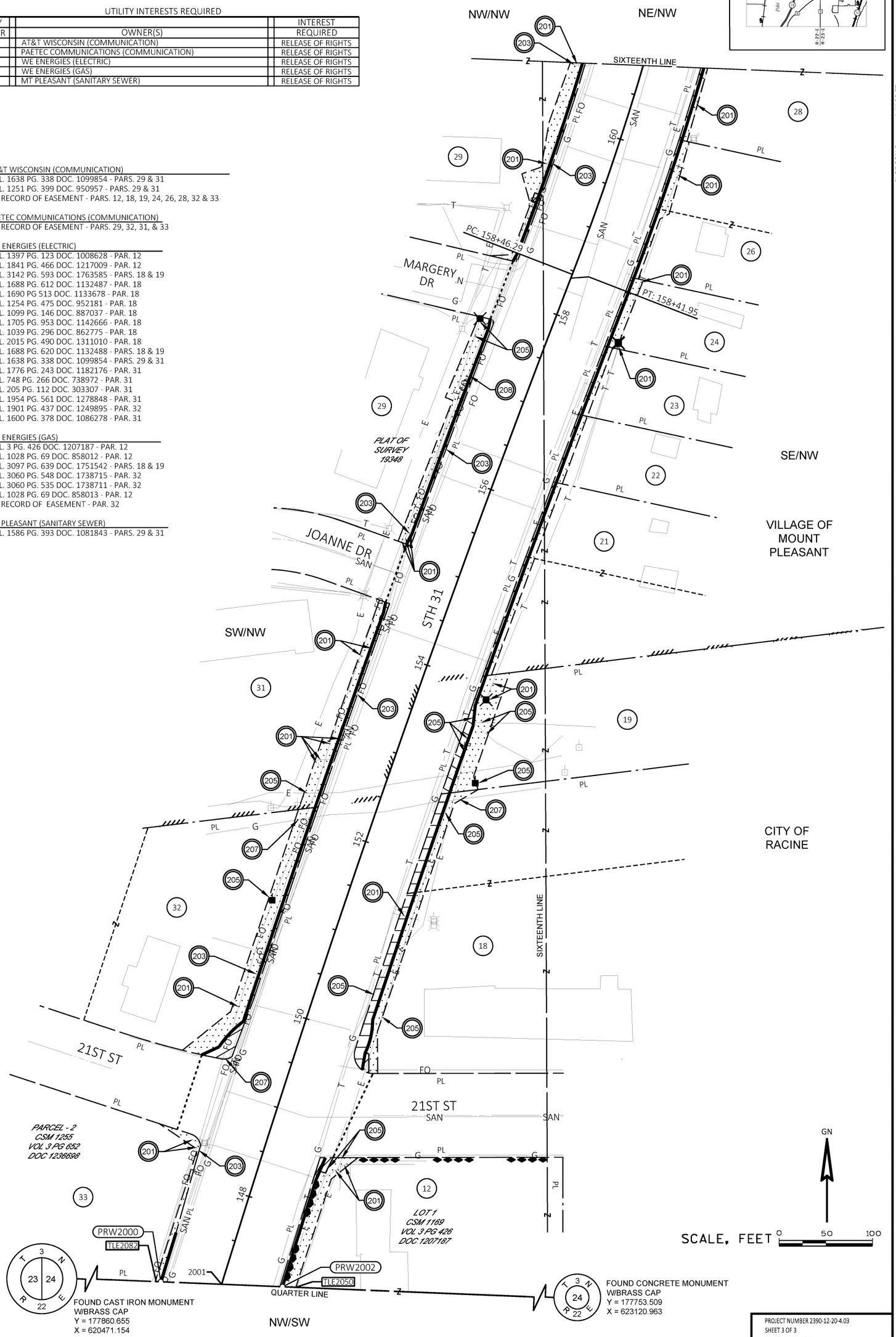
(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1638 PG. 338 DOC. 1099854 - PARS. 29 & 31
VOL. 1251 PG. 399 DOC. 950957 - PARS. 29 & 31
NO RECORD OF EASEMENT - PARS. 12, 18, 19, 24, 26, 28, 32 & 33

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PARS. 29, 32, 31, & 33

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PAR. 12
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 3142 PG. 593 DOC. 1763585 - PARS. 18 & 19
VOL. 1688 PG. 612 DOC. 1132487 - PAR. 18
VOL. 1690 PG 513 DOC. 1133678 - PAR. 18
VOL. 1254 PG. 475 DOC. 952181 - PAR. 18
VOL. 1099 PG. 146 DOC. 887037 - PAR. 18
VOL. 1705 PG. 953 DOC. 1142666 - PAR. 18
VOL. 1039 PG. 296 DOC. 862775 - PAR. 18
VOL. 2015 PG. 490 DOC. 1311010 - PAR. 18
VOL. 1688 PG. 620 DOC. 1132488 - PARS. 18 & 19
VOL. 1638 PG. 338 DOC. 1099854 - PARS. 29 & 31
VOL. 1776 PG. 243 DOC. 1182176 - PAR. 31
VOL. 748 PG. 266 DOC. 738972 - PAR. 31
VOL. 205 PG. 112 DOC. 303307 - PAR. 31
VOL. 1954 PG. 561 DOC. 1278848 - PAR. 31
VOL. 1901 PG. 437 DOC. 1249895 - PAR. 32
VOL. 1600 PG. 378 DOC. 1086278 - PAR. 31

(207) WE ENERGIES (GAS)
VOL. 3 PG. 426 DOC. 1207187 - PAR. 12
VOL. 1028 PG. 69 DOC. 858012 - PAR. 12
VOL. 3097 PG. 639 DOC. 1751542 - PARS. 18 & 19
VOL. 3060 PG. 548 DOC. 1738715 - PAR. 32
VOL. 3060 PG. 535 DOC. 1738711 - PAR. 32
VOL. 1028 PG. 69 DOC. 858013 - PAR. 12
NO RECORD OF EASEMENT - PAR. 32

(208) MT PLEASANT (SANITARY SEWER)
VOL. 1586 PG. 393 DOC. 1081843 - PARS. 29 & 31



PROJECT NUMBER 2390-12-20-4.03
SHEET 3 OF 3
AMENDMENT NO: 1

703
2390-12-20-4.03 A1
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : admin
PLOT DATE : 4/15/2024 2:51 PM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 04/15/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03

THAT PART OF PARCEL 2 CSM 1255, LOT 1 CSM 1169, LOCATED IN PART OF THE SW1/4 OF THE NW1/4 AND PART OF THE SW1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, PART OF THE SW1/4 OF THE NW1/4 AND PART OF THE SE1/4 OF THE NW1/4 SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
12	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION, F/K/A BANK ONE, RACINE, N.A. F/K/A MARINE BANK OF MOUNT PLEASANT, NATIOAL ASSOCIATION	FEE/PLE/TLE	467	---	467	118	2239
18	TIME WARNER CABLE MIDWEST LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/PLE/TLE	2601	---	2601	113	2959
19	WISCONSIN ELECTRIC POWER COMPANY D/B/A WE ENERGIES F/K/A THE MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY	FEE/TLE	844	---	844	---	2748
21	GREAT LAKES COMMUNITY CONSERVATION CORPS, INCORPORATED	FEE/TLE	663	---	663	---	1363
22	EUGENIA M. THE DE VAZQUEZ REVOCABLE TRUST DATED AUGUST 21, 2023	FEE/TLE	232	---	232	---	501
23	EDWARD J. DECHANT	FEE/TLE	235	---	235	---	473
24	RENE REAL ESTATE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	236	---	236	---	794
26	TAINAI FAMILY TRUST	FEE/TLE	468	---	468	---	1161
28	PSP REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	242	---	242	---	390
29	STARC REGENCY LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/PLE/TLE	1471	---	1471	46	5572
31	SLS INVESTMENTS, L.P., A DELAWARE LIMITED PARTNERSHIP	FEE/TLE	702	---	702	---	2642
32	SEKAO, INC. A WISCONSIN CORPORATION	FEE/TLE	1325	---	1325	---	4873
33	SPEEDWAY LLC F/K/A SPEEDWAY SUPERAMERICA LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/TLE	39	---	39	---	962

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

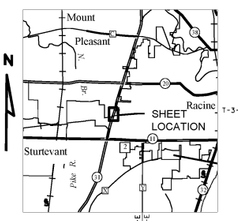
ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 31 AND 21ST ST HAS BEEN ESTABLISHED FROM CSM 1169.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

CURVE 1	CURVE 2
PI STA = 147+21.30	PI STA = 160+73.35
Y = 177849.853	Y = 179114.235
X = 621415.339	X = 621904.143
DELTA = 7°51'27" RT	DELTA = 9°03'59" LT
D = 0°21'00"	D = 2°00'02"
T = 1124.18'	T = 227.05'
L = 2244.83'	L = 453.16'
R = 16369.27'	R = 2863.82'
PC STA = 135+97.12	PC STA = 158+46.29
Y = 176755.730	Y = 178902.456
X = 621157.125	X = 621822.270
PT STA = 158+41.95	PT STA = 162+99.46
Y = 178898.404	Y = 179336.270
X = 621820.704	X = 621951.621
DB = S13°16'44"W	DA = N12°04'12"E
2001-PT: 158+41.95	PC: 158+46.29-3017
LCB=N19°08'25"E	LCB=N18°46'22"E
LCH=1140.24'	LCH=236.19'
L=1140.47'	L=236.26'
R=16369.27'	R=2863.82'

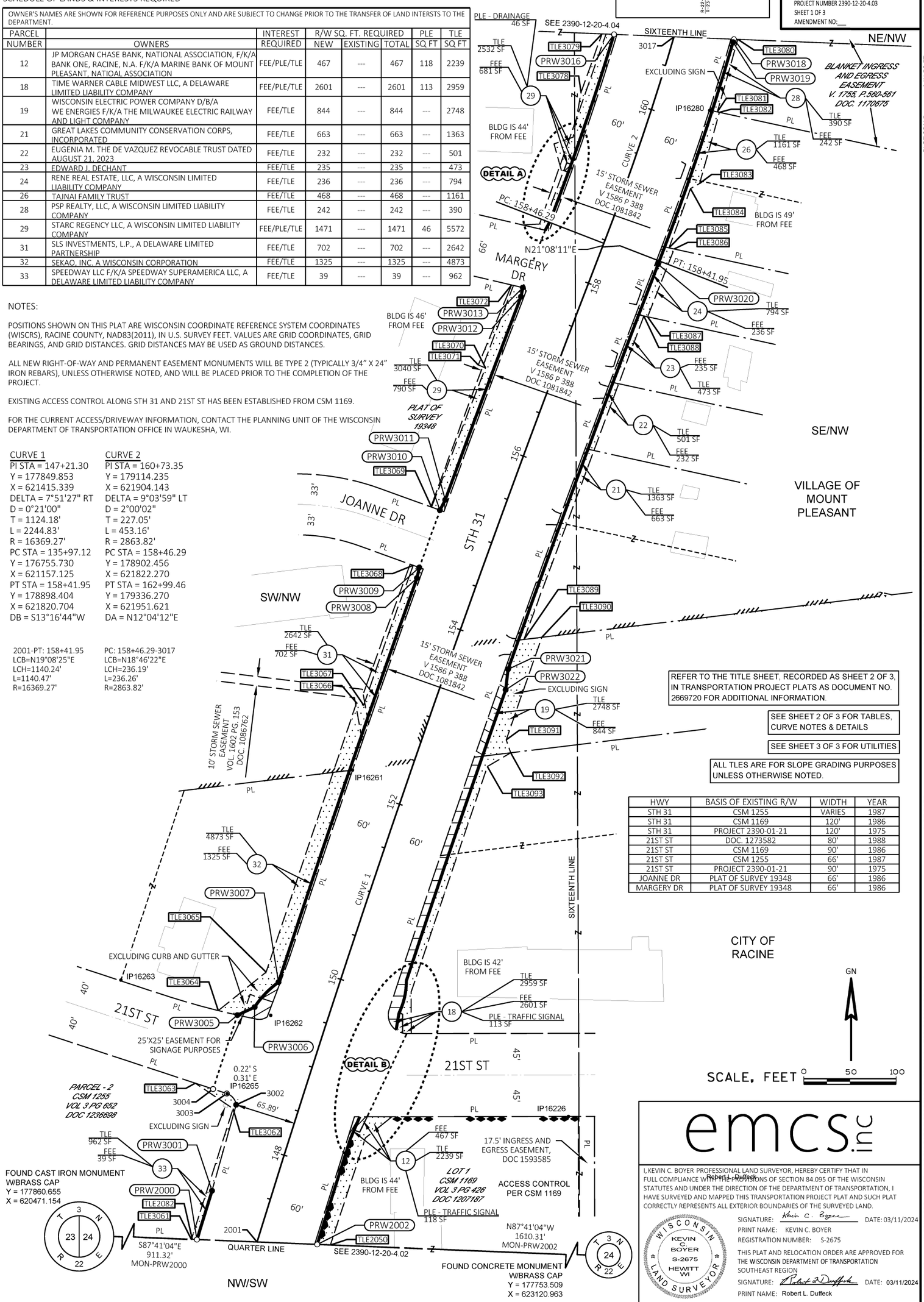
LOCATION SKETCH NOT TO SCALE



Document # 2672825
RACINE COUNTY REGISTER OF DEEDS
March 13, 2024 2:47 PM
KARE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-000002529
Pages: 3

704

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.03
SHEET 1 OF 3
AMENDMENT NO:___



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	CSM 1255	VARIES	1987
STH 31	CSM 1169	120'	1986
STH 31	PROJECT 2390-01-21	120'	1975
21ST ST	DOC. 1273582	80'	1988
21ST ST	CSM 1169	90'	1986
21ST ST	CSM 1255	66'	1987
21ST ST	PROJECT 2390-01-21	90'	1975
JOANNE DR	PLAT OF SURVEY 19348	66'	1986
MARGERY DR	PLAT OF SURVEY 19348	66'	1986

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Robert L Duffeck

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/11/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 03/11/2024
PRINT NAME: Robert L. Duffeck

2390-12-20-4.03
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
PLOT BY : Drew Nelson
PLOT DATE : 3/5/2024 9:21 AM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03
EXTENSION SHEET

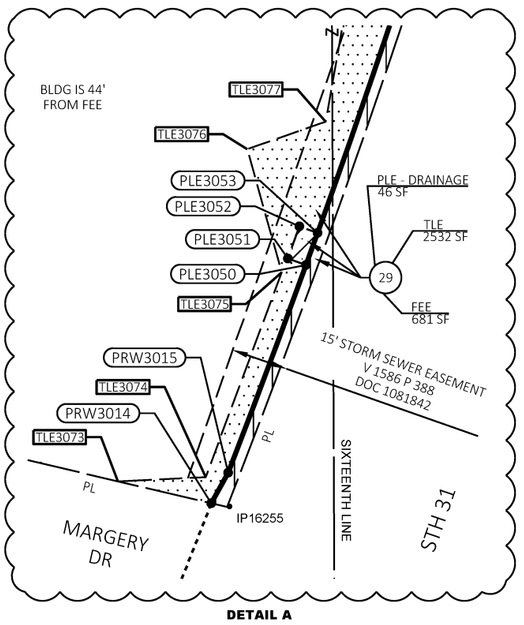
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

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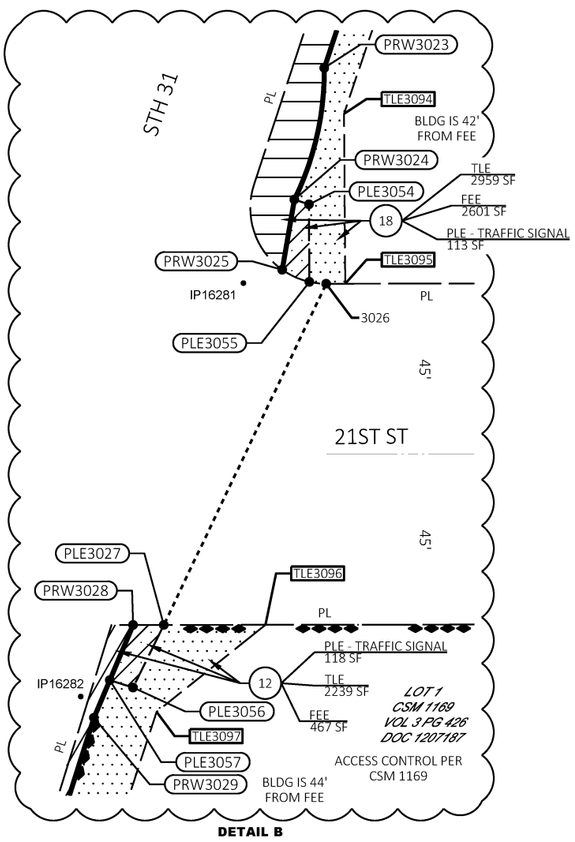
GN

705

2390-12-20-4.03



DETAIL A



DETAIL B

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW2000-PRW3001 LCB=N17°10'58"E LCH=55.31' L=55.31' R=16432.27'	3002-3003 LCB=N39°47'18"W LCH=15.90' L=16.76' R=15.00'	TLE3064-PRW3005 LCB=S76°44'38"E LCH=21.27' L=21.27' R=869.16'	PRW3006-PRW3007 LCB=N43°47'26"E LCH=37.35' L=37.55' R=105.00'	PRW3007-PRW3008 LCB=N18°54'43"E LCH=462.49' L=462.50' R=16432.27'
PRW3011-PRW3012 LCB=N20°26'29"E LCH=234.75' L=234.75' R=16432.27'	PRW3015-PRW3016 LCB=N18°56'25"E LCH=215.71' L=215.77' R=2800.82'	PRW3015-PLE3050 LCB=N20°32'54"E LCH=58.53' L=58.53' R=2800.82'	PLE3053-PLE3050 LCB=S19°51'27"W LCH=9.02' L=9.02' R=2800.82'	PLE3053-PRW3016 LCB=N18°14'57"E LCH=148.20' L=148.22' R=2800.82'
PRW3018-PRW3019 LCB=S16°07'59"W LCH=3.37' L=3.37' R=2926.82'	PRW3019-PRW3020 LCB=S18°39'04"W LCH=253.82' L=253.90' R=2927.13'	PRW3020-PRW3021 LCB=S20°19'48"W LCH=467.60' L=467.62' R=16306.27'	PRW3022-PRW3023 LCB=S18°50'48"W LCH=333.02' L=333.02' R=16301.27'	PRW3023-PRW3024 LCB=S12°47'04"W LCH=35.62' L=35.95' R=77.00'
PRW3025-3026 LCB=S72°22'29"E LCH=12.16' L=12.36' R=20.00'	PRW3029-PRW2002 LCB=S17°24'45"W LCH=119.25' L=119.25' R=16306.27'	PRW3025-PLE3055 LCB=S66°00'22"E LCH=7.86' L=7.91' R=20.00'	3026-PLE3055 LCB=N83°42'41"W LCH=4.44' L=4.45' R=20.00'	TLE3067-TLE3068 LCB=N19°29'06"E LCH=160.69' L=160.70' R=5559.15'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW2000	146+84.87	63.00'
2001	147+01.48	0.00'
PRW2002	147+18.23	63.00'
PRW3001	147+39.97	63.00'
3002	148+36.27	65.89'
3003	148+44.80	79.29'
3004	148+44.95	94.93'
PRW3005	149+28.69	94.31'
PRW3006	149+42.63	79.22'
PRW3007	149+76.12	63.00'
PRW3008	154+36.85	63.00'
PRW3009	154+48.38	64.51'
PRW3010	155+14.12	64.61'
PRW3011	155+26.54	63.00'
PRW3012	157+60.39	63.00'
PRW3013	157+70.25	64.65'
PRW3014	158+36.66	64.26'
PRW3015	158+45.76	63.00'
PRW3016	160+66.37	63.00'
3017	160+82.55	0.00'
PRW3018	160+98.02	63.00'
PRW3019	160+94.73	63.00'
PRW3020	158+46.29	63.00'
PRW3021	153+76.88	63.00'
PRW3022	153+54.99	68.00'
PRW3023	150+20.57	68.00'
PRW3024	149+84.96	71.36'
PRW3025	149+66.27	74.07'
3026	149+66.36	86.23'
PLE3027	148+67.01	73.14'
PRW3028	148+64.53	65.44'
PRW3029	148+37.95	63.00'
PLE3050	159+05.60	63.00'
PLE3051	159+05.59	68.08'
PLE3052	159+14.81	68.11'
PLE3053	159+14.82	63.00'
PLE3054	149+84.95	75.42'
PLE3055	149+65.45	81.89'
PLE3056	148+48.72	70.43'
PLE3057	148+48.72	63.99'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2050	147+21.93	76.83'
TLE2082	146+83.60	67.84'
TLE3061	146+83.36	68.75'
TLE3062	148+31.33	67.90'
TLE3063	148+45.15	115.26'
TLE3064	149+26.97	115.51'
TLE3065	149+82.19	79.23'
TLE3066	152+88.31	79.78'
TLE3067	152+88.40	71.53'
TLE3068	154+48.39	71.51'
TLE3069	155+14.10	74.21'
TLE3070	156+75.08	71.72'
TLE3071	156+75.27	80.11'
TLE3072	157+68.58	77.00'
TLE3073	158+33.18	89.30'
TLE3074	158+42.54	68.10'
TLE3075	159+01.49	68.37'
TLE3076	159+29.80	87.92'
TLE3077	159+43.89	70.79'
TLE3078	159+93.93	78.22'
TLE3079	160+63.05	75.59'
TLE3080	160+99.00	67.08'
TLE3081	160+19.29	68.72'
TLE3082	160+19.50	70.96'
TLE3083	159+41.64	75.05'
TLE3084	159+33.34	67.56'
TLE3085	158+66.67	67.74'
TLE3086	158+67.48	73.36'
TLE3087	157+88.95	72.84'
TLE3088	157+88.31	68.69'
TLE3089	154+13.19	68.37'
TLE3090	154+21.96	85.84'
TLE3091	153+03.87	86.49'
TLE3092	152+92.20	95.70'
TLE3093	152+69.73	76.70'
TLE3094	150+10.67	76.72'
TLE3095	149+67.94	91.01'
TLE3096	148+75.26	98.68'
TLE3097	148+44.48	78.30'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW2000-PRW3001	SEE CURVE DATA	
PRW3001-3002	N15° 44' 00"E	96.73'
3002-3003	SEE CURVE DATA	
3003-3004	N71° 47' 14"W	15.64'
3004-PRW3005	N18° 12' 46"E	84.23'
PRW3005-PRW3006	N65° 06' 02"E	20.59'
PRW3006-PRW3007	SEE CURVE DATA	
PRW3007-PRW3008	SEE CURVE DATA	
PRW3008-PRW3009	N12° 18' 31"E	11.67'
PRW3009-PRW3010	N19° 47' 22"E	66.00'
PRW3010-PRW3011	N27° 21' 01"E	12.57'
PRW3011-PRW3012	SEE CURVE DATA	
PRW3012-PRW3013	N11° 23' 24"E	10.03'
PRW3013-PRW3014	N21° 20' 10"E	66.68'
PRW3014-PRW3015	N29° 00' 18"E	9.21'
PRW3015-PRW3016	SEE CURVE DATA	
PRW3016-3017	S87° 40' 59"E	65.00'
3017-PRW3018	S87° 40' 59"E	64.91'
PRW3018-PRW3019	SEE CURVE DATA	
PRW3019-PRW3020	SEE CURVE DATA	
PRW3020-PRW3021	SEE CURVE DATA	
PRW3021-PRW3022	S06° 33' 31"W	22.38'
PRW3022-PRW3023	SEE CURVE DATA	
PRW3023-PRW3024	SEE CURVE DATA	
PRW3024-PRW3025	S09° 49' 43"W	18.81'
PRW3025-3026	SEE CURVE DATA	
3026-PLE3027	S25° 26' 27"W	99.73'
PLE3027-PRW3028	S89° 55' 12"W	8.09'
PRW3028-PRW3029	S22° 55' 42"W	26.59'
PRW3029-PRW2002	SEE CURVE DATA	
PRW2002-2001	N87° 41' 04"W	65.18'
2001-PRW2000	N87° 41' 04"W	65.16'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW3015-PLE3050	SEE CURVE DATA	
PLE3050-PLE3051	N70° 07' 07"W	5.08'
PLE3051-PLE3052	N19° 41' 25"E	9.00'
PLE3052-PLE3053	S70° 18' 35"E	5.11'
PLE3053-PLE3050	SEE CURVE DATA	
PLE3053-PRW3016	SEE CURVE DATA	
3026-PLE3055	SEE CURVE DATA	
PLE3055-PLE3054	N00° 20' 38"W	20.46'
PLE3054-PRW3024	N71° 46' 03"W	4.05'
PRW3025-PLE3055	SEE CURVE DATA	
PLE3027-PLE3056	S26° 08' 44"W	18.41'
PLE3056-PLE3057	N72° 20' 25"W	6.44'
PLE3057-PRW3028	N22° 55' 42"E	15.81'
PRW3029-PLE3057	N22° 55' 42"E	10.78'

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16226	177957.161	621784.017	SPIKE
IP16255	178915.764	621763.676	1.25" O.D. IRON PIPE
IP16261	178332.134	621550.221	1" O.D. IRON PIPE
IP16262	178066.587	621461.720	1" O.D. IRON PIPE
IP16263	178104.815	621299.550	1.25" O.D. IRON PIPE
IP16265	177981.776	621414.436	1.25" O.D. IRON PIPE
IP16280	179046.251	621936.948	1.25" O.D. IRON PIPE
IP16281	178047.088	621587.117	3" O.D. IRON PIPE
IP16282	177937.957	621544.160	IRON STAKE

PROJECT NUMBER 2390-12-20-4.03
SHEET 2 OF 3
AMENDMENT NO:___

PLOT SCALE : ##########
PLOT NAME : Drew Nelson
PLOT BY : 3/5/2024 9:23 AM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADD\52390120OSHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.03
UTILITY SHEET

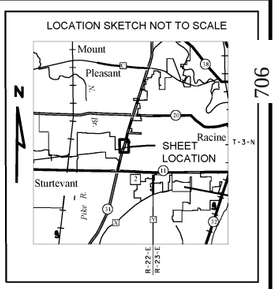
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LOCATION SKETCH NOT TO SCALE



UTILITY INTERESTS REQUIRED

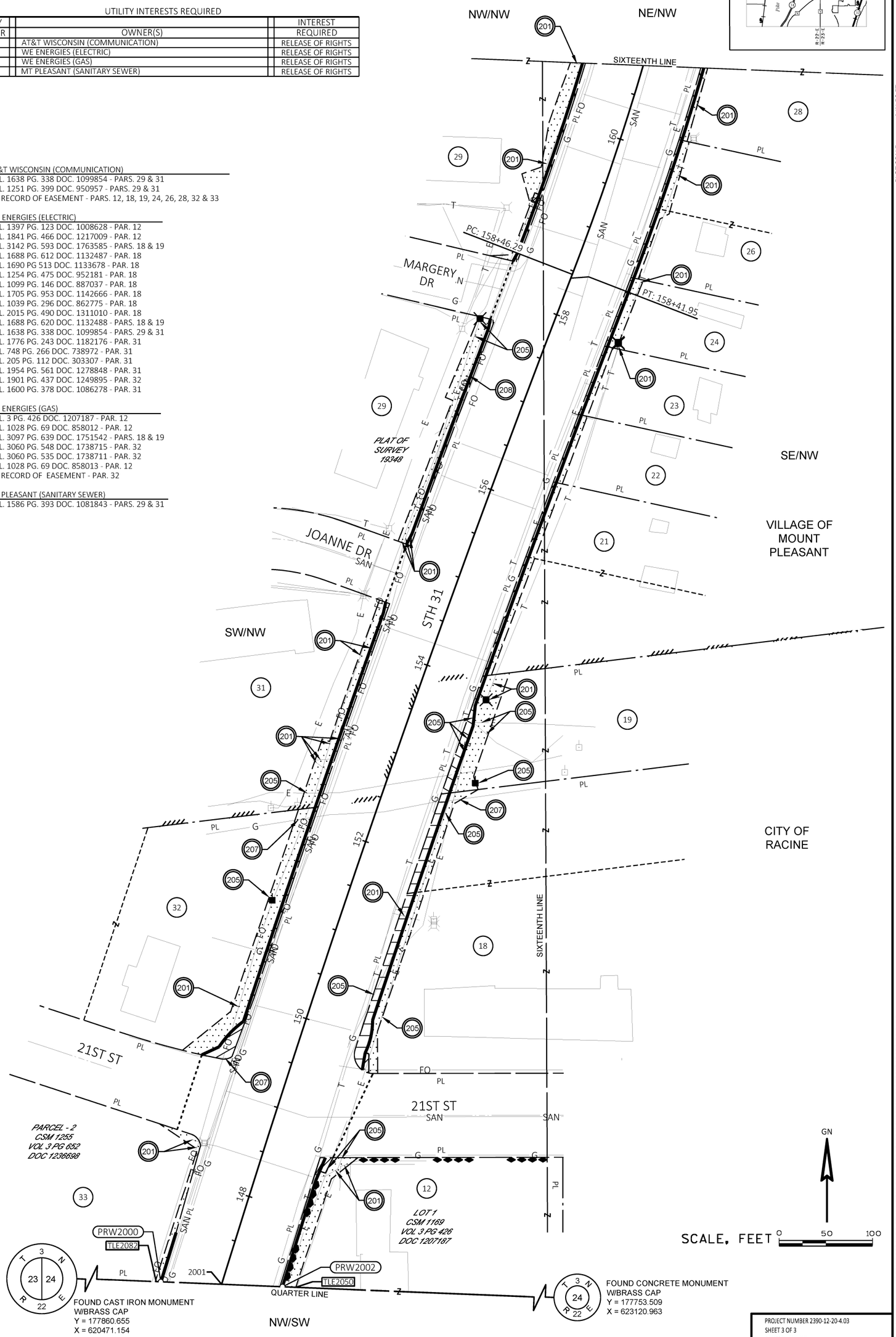
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
208	MT PLEASANT (SANITARY SEWER)	RELEASE OF RIGHTS

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 1638 PG. 338 DOC. 1099854 - PARS. 29 & 31
VOL. 1251 PG. 399 DOC. 950957 - PARS. 29 & 31
NO RECORD OF EASEMENT - PARS. 12, 18, 19, 24, 26, 28, 32 & 33

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 123 DOC. 1008628 - PAR. 12
VOL. 1841 PG. 466 DOC. 1217009 - PAR. 12
VOL. 3142 PG. 593 DOC. 1763585 - PARS. 18 & 19
VOL. 1688 PG. 612 DOC. 1132487 - PAR. 18
VOL. 1690 PG 513 DOC. 1133678 - PAR. 18
VOL. 1254 PG. 475 DOC. 952181 - PAR. 18
VOL. 1099 PG. 146 DOC. 887037 - PAR. 18
VOL. 1705 PG. 953 DOC. 1142666 - PAR. 18
VOL. 1039 PG. 296 DOC. 862775 - PAR. 18
VOL. 2015 PG. 490 DOC. 1311010 - PAR. 18
VOL. 1688 PG. 620 DOC. 1132488 - PARS. 18 & 19
VOL. 1638 PG. 338 DOC. 1099854 - PARS. 29 & 31
VOL. 1776 PG. 243 DOC. 1182176 - PAR. 31
VOL. 748 PG. 266 DOC. 738972 - PAR. 31
VOL. 205 PG. 112 DOC. 303307 - PAR. 31
VOL. 1954 PG. 561 DOC. 1278848 - PAR. 31
VOL. 1901 PG. 437 DOC. 1249895 - PAR. 32
VOL. 1600 PG. 378 DOC. 1086278 - PAR. 31

(207) WE ENERGIES (GAS)
VOL. 3 PG. 426 DOC. 1207187 - PAR. 12
VOL. 1028 PG. 69 DOC. 858012 - PAR. 12
VOL. 3097 PG. 639 DOC. 1751542 - PARS. 18 & 19
VOL. 3060 PG. 548 DOC. 1738715 - PAR. 32
VOL. 3060 PG. 535 DOC. 1738711 - PAR. 32
VOL. 1028 PG. 69 DOC. 858013 - PAR. 12
NO RECORD OF EASEMENT - PAR. 32

(208) MT PLEASANT (SANITARY SEWER)
VOL. 1586 PG. 393 DOC. 1081843 - PARS. 29 & 31



PROJECT NUMBER 2390-12-20-4.03
SHEET 3 OF 3
AMENDMENT NO:___

706
2390-12-20-4.03
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
Drew Nelson
PLOT BY :
3/5/2024 9:25 AM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04 AMENDMENT NO: 2

AMENDMENT AMENDS PARCELS 37 AND 38 AND REMOVES PARCELS 137 AND 138, REVISES CURVE TLE4066-TLE4067 TO TLE4066-TLE3080, AMENDS UTILITY NUMBERS 205 TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.04 RECORDED AS DOCUMENT NUMBER 2673360.

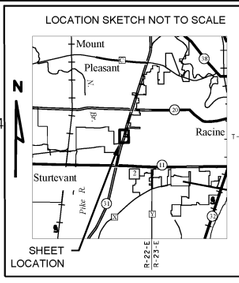
THAT PART OF LOT 1 CSM 3226, LOTS 1 AND 2, BLOCK 1 AND LOTS 1-4, BLOCK 2 AND LOTS 1 AND 2 BLOCK 3 OF THE PLAT OF SUNSET HEIGHTS, LOCATED IN PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, PART OF LOT 1, BLOCK 4 OF THE PLAT OF SKYLINE VILLAGE, LOCATED IN PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, AND PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES

LOCATION SKETCH NOT TO SCALE



Document # 2680935
RACINE COUNTY REGISTER OF DEEDS
July 17, 2024 2:21 PM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-0000025249
Pages: 3

707

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.04
SHEET 1 OF 3
AMENDMENT NO: 2

FOUND RACINE COUNTY CAST IRON MONUMENT W/BRASS CAP
Y = 180507.579
X = 620456.710

S87°40'54"E 1669.96' MON-4000

SECTION LINE

SEE 2390-12-20-4.05

N87°40'54"W 845.84' MON-4005

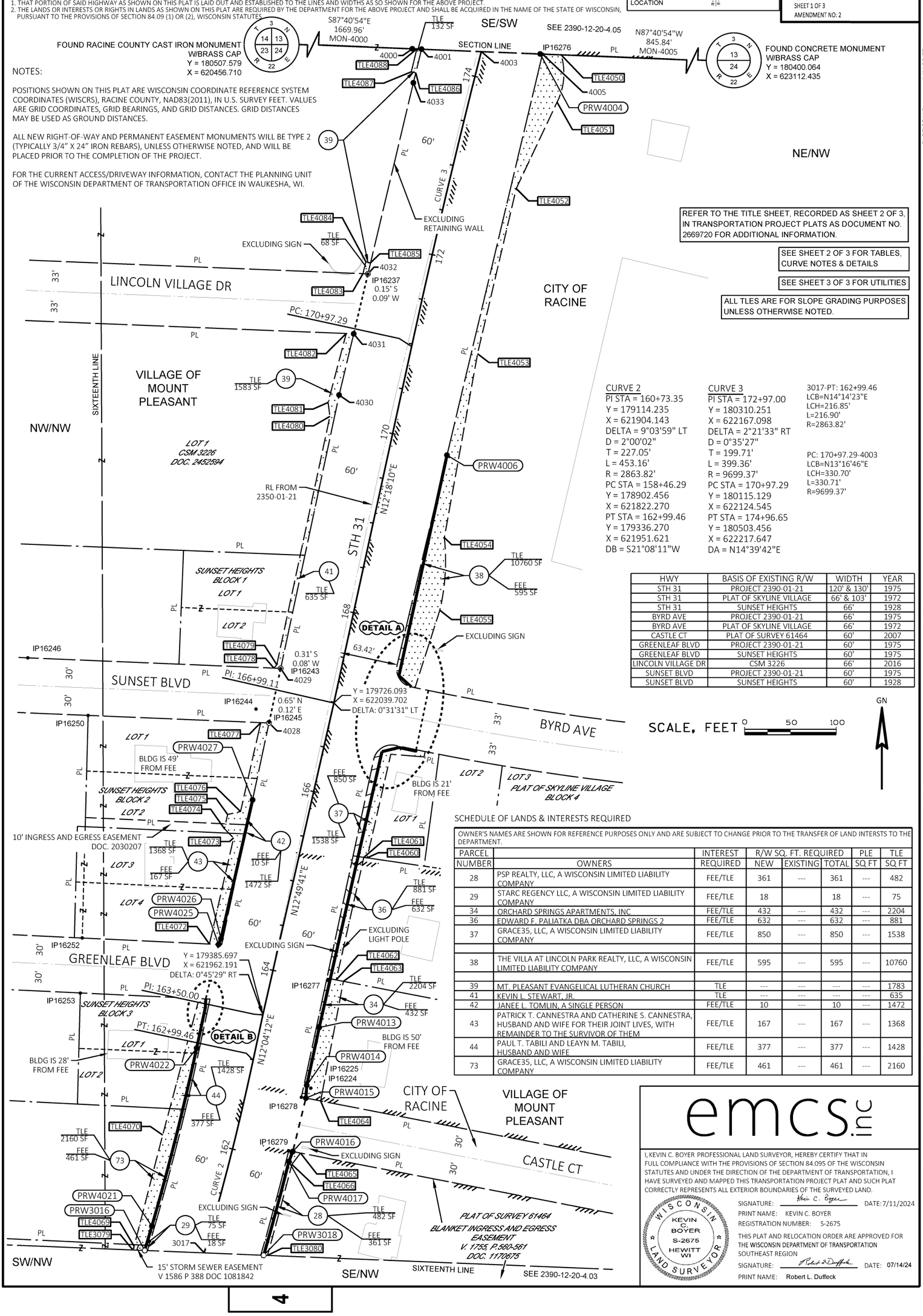
FOUND CONCRETE MONUMENT W/BRASS CAP
Y = 180400.064
X = 623112.435

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

CURVE 2
PI STA = 160+73.35
Y = 179114.235
X = 621904.143
DELTA = 9°03'59" LT
D = 2°00'02"
T = 227.05'
L = 453.16'
R = 2863.82'
PC STA = 158+46.29
Y = 178902.456
X = 621822.270
PT STA = 162+99.46
Y = 179336.270
X = 621951.621
DB = S21°08'11"W

CURVE 3
PI STA = 172+97.00
Y = 180310.251
X = 622167.098
DELTA = 2°21'33" RT
D = 0°35'27"
T = 199.71'
L = 399.36'
R = 9699.37'
PC STA = 170+97.29
Y = 180115.129
X = 622124.545
PT STA = 174+96.65
Y = 180503.456
X = 622217.647
DA = N14°39'42"E

3017-PT: 162+99.46
LCB=N14°14'23"E
LCH=216.85'
L=216.90'
R=2863.82'

PC: 170+97.29-4003
LCB=N13°16'46"E
LCH=330.70'
L=330.71'
R=9699.37'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	PROJECT 2390-01-21	120' & 130'	1975
STH 31	PLAT OF SKYLINE VILLAGE	66' & 103'	1972
STH 31	SUNSET HEIGHTS	66'	1928
BYRD AVE	PROJECT 2390-01-21	66'	1975
BYRD AVE	PLAT OF SKYLINE VILLAGE	66'	1972
CASTLE CT	PLAT OF SURVEY 61464	60'	2007
GREENLEAF BLVD	PROJECT 2390-01-21	60'	1975
GREENLEAF BLVD	SUNSET HEIGHTS	60'	1975
LINCOLN VILLAGE DR	CSM 3226	66'	2016
SUNSET BLVD	PROJECT 2390-01-21	60'	1975
SUNSET BLVD	SUNSET HEIGHTS	60'	1928

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
28	PSP REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	361	---	361	---	482
29	STARC REGENCY LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	18		18	---	75
34	ORCHARD SPRINGS APARTMENTS, INC	FEE/TLE	432	---	432	---	2204
36	EDWARD F. PALIATKA DBA ORCHARD SPRINGS 2	FEE/TLE	632	---	632	---	881
37	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	850	---	850	---	1538
38	THE VILLA AT LINCOLN PARK REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	595	---	595	---	10760
39	MT. PLEASANT EVANGELICAL LUTHERAN CHURCH	TLE	---	---	---	---	1783
41	KEVIN L. STEWART, JR.	TLE	---	---	---	---	635
42	JANEE L. TOMLIN, A SINGLE PERSON	FEE/TLE	10	---	10	---	1472
43	PATRICK T. CANNESTRA AND CATHERINE S. CANNESTRA, HUSBAND AND WIFE FOR THEIR JOINT LIVES, WITH REMAINDER TO THE SURVIVOR OF THEM	FEE/TLE	167	---	167	---	1368
44	PAUL T. TABILI AND LEAYN M. TABILI, HUSBAND AND WIFE	FEE/TLE	377	---	377	---	1428
73	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	461	---	461	---	2160

emcs.llc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 7/11/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L. Duffeck DATE: 07/14/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.04 A2
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
PLOT BY : Todd Copiskey
PLOT DATE : 7/11/2024 11:31 AM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADD\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG
APPRAISAL PLAT DATE : 06/27/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04 AMENDMENT NO: 2
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN

708

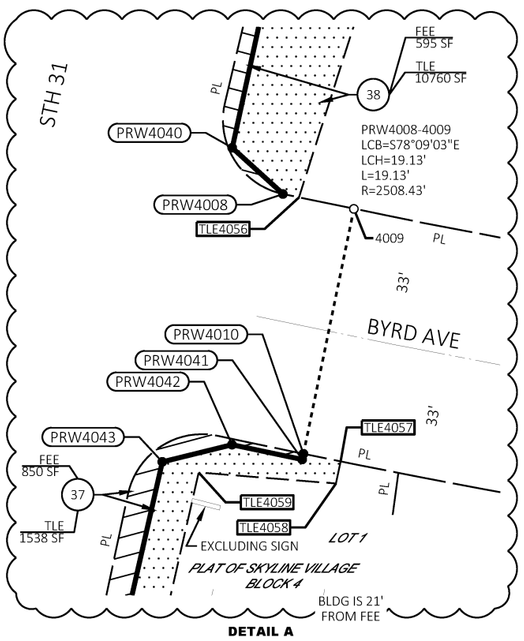
2390-12-20-4.04 A2

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

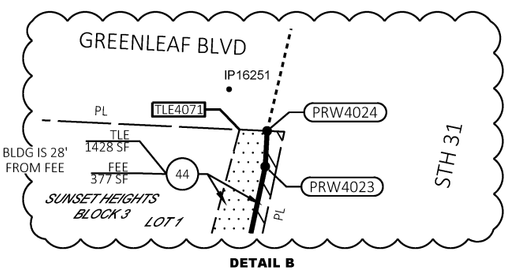
SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.



DETAIL A



DETAIL B

PRW4017-PRW3018
LCB=S15°03'49"W
LCH=105.89'
L=105.90'
R=2926.82'

PRW3016-PRW4021
LCB=N16°26'59"E
LCH=27.73'
L=27.73'
R=2800.82'

PRW4021-PRW4022
LCB=N14°07'05"E
LCH=200.18'
L=200.23'
R=2800.82'

TLE4050-TLE4051
LCB=N04°50'44"E
LCH=51.85'
L=53.16'
R=69.00'

TLE4054-TLE4055
LCB=N03°33'36"E
LCH=79.36'
L=79.76'
R=232.00'

TLE4066-TLE3080
LCB=S14°58'58"W
LCH=102.84'
L=102.84'
R=7110.05'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW3016	160+66.37	63.00'
3017	160+82.55	0.00'
PRW3018	160+98.02	63.00'
4000	174+12.55	73.65'
4001	174+14.61	63.77'
4003	174+28.00	0.00'
PRW4004	174+41.41	63.00'
4005	174+41.92	65.38'
PRW4006	169+89.69	63.00'
PRW4008	167+34.29	78.66'
4009	167+34.44	97.79'
PRW4010	166+69.35	98.84'
PRW4013	163+49.50	63.00'
PRW4014	162+85.30	63.00'
PRW4015	162+71.75	65.07'
PRW4016	162+13.01	64.50'
PRW4017	162+01.64	63.00'
PRW4021	160+94.73	63.00'
PRW4022	162+99.46	63.00'
PRW4023	163+44.85	63.00'
PRW4024	163+53.29	64.53'
PRW4025	164+14.31	64.13'
PRW4026	164+21.07	63.00'
PRW4027	165+76.32	63.00'
4028	166+62.20	64.14'
4029	167+23.66	64.72'
4030	170+28.74	65.96'
4031	170+97.34	64.69'
4032	171+64.14	63.68'
4033	173+77.06	63.50'
PRW4040	167+43.36	63.00'
PRW4041	166+67.81	98.86'
PRW4042	166+67.52	79.94'
PRW4043	166+59.00	63.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE3079	160+63.05	75.59'
TLE3080	160+99.00	67.08'
TLE4050	174+46.19	85.27'
TLE4051	173+94.55	93.71'
TLE4052	172+91.43	72.86'
TLE4053	171+04.96	71.95'
TLE4054	169+01.14	79.29'
TLE4055	168+22.70	91.36'
TLE4056	167+34.31	82.98'
TLE4057	166+69.58	108.84'
TLE4058	166+63.61	108.93'
TLE4059	166+58.42	72.98'
TLE4060	165+42.41	72.91'
TLE4061	165+42.12	69.28'
TLE4062	164+05.07	69.60'
TLE4063	164+05.33	77.59'
TLE4064	162+72.21	81.46'
TLE4065	162+13.42	73.00'
TLE4066	161+99.49	66.91'
TLE4069	160+67.51	75.36'
TLE4070	161+96.20	77.62'
TLE4071	163+52.01	71.73'
TLE4072	164+12.56	73.96'
TLE4073	165+31.27	73.96'
TLE4074	165+38.83	86.00'
TLE4075	165+54.76	86.00'
TLE4076	165+61.07	73.00'
TLE4077	166+60.57	73.00'
TLE4078	167+22.38	72.00'
TLE4079	167+26.64	69.73'
TLE4080	170+03.78	70.86'
TLE4081	170+18.21	76.04'
TLE4082	170+95.93	72.72'
TLE4083	171+63.17	68.99'
TLE4084	171+76.44	68.82'
TLE4085	171+76.37	63.54'
TLE4086	173+88.10	63.56'
TLE4087	173+88.06	68.57'
TLE4088	174+13.55	68.85'

COURSE TABLE		
COURSE	BEARING	DISTANCE
4000-4001	S87° 40' 54"E	10.09'
4001-4003	S87° 40' 54"E	65.17'
4003-PRW4004	S87° 40' 54"E	64.40'
PRW4004-4005	S87° 40' 54"E	2.44'
4005-PRW4006	S13° 22' 50"W	449.92'
PRW4006-PRW4040	S12° 18' 10"W	246.33'
PRW4040-PRW4008	S47° 37' 29"E	18.10'
PRW4008-4009	SEE CURVE DATA	
4009-PRW4010	S11° 37' 51"W	66.00'
PRW4010-PRW4041	S11° 55' 29"W	1.54'
PRW4041-PRW4042	N78° 03' 25"W	18.93'
PRW4042-PRW4043	S76° 06' 30"W	18.96'
PRW4043-PRW4013	S12° 49' 41"W	308.66'
PRW4013-PRW4014	S12° 06' 03"W	64.51'
PRW4014-PRW4015	S03° 59' 55"W	14.01'
PRW4015-PRW4016	S13° 45' 15"W	60.07'
PRW4016-PRW4017	S21° 15' 54"W	11.72'
PRW4017-PRW3018	SEE CURVE DATA	
PRW3018-3017	N87° 40' 59"W	64.91'
3017-PRW3016	N87° 40' 59"W	65.00'
PRW3016-PRW4021	SEE CURVE DATA	
PRW4021-PRW4022	SEE CURVE DATA	
PRW4022-PRW4023	N12° 04' 12"E	45.40'
PRW4023-PRW4024	N03° 00' 19"E	9.41'
PRW4024-PRW4025	N13° 12' 17"E	61.02'
PRW4025-PRW4026	N22° 19' 15"E	6.86'
PRW4026-PRW4027	N12° 49' 41"E	155.25'
PRW4027-4028	N12° 04' 12"E	85.89'
4028-4029	N12° 04' 12"E	60.87'
4029-4030	N12° 04' 12"E	305.09'
4030-4031	N13° 21' 39"E	68.61'
4031-4032	N13° 22' 00"E	67.25'
4032-4033	N13° 22' 26"E	214.32'
4033-4001	N13° 39' 11"E	37.80'

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16224	179305.814	622014.598	0.5" IRON ROD
IP16225	179305.755	622014.535	0.5" IRON ROD
IP16237	180194.238	622076.804	1.50" O.D. IRON PIPE
IP16243	179763.557	621981.622	0.75" IRON ROD
IP16244	179719.475	621954.794	CHISELED 'X'
IP16245	179704.992	621969.091	1.50" O.D. IRON PIPE
IP16246	179775.369	621705.842	1.50" O.D. IRON PIPE
IP16250	179712.526	621771.642	1" O.D. IRON PIPE
IP16251	179414.232	621889.996	1" IRON ROD
IP16252	179469.679	621765.228	1" IRON ROD
IP16253	179409.496	621763.120	1.25 O.D. IRON PIPE
IP16276	180433.956	622267.578	0.75" IRON ROD
IP16277	179423.562	622032.808	0.5" IRON ROD
IP16278	179295.842	622004.302	1" O.D. IRON PIPE
IP16279	179237.503	621990.321	1.25" O.D. IRON PIPE

PROJECT NUMBER 2390-12-20-4.04
SHEET 2 OF 3
AMENDMENT NO: 2

FILE NAME : Y:\52XX\5231_DP STH31 RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG
APPRAISAL PLAT DATE : 06/27/2024
PLOT DATE : 7/11/2024 11:35 AM
PLOT BY : Todd Copiskey
PLOT NAME :
PLOT SCALE : ##########

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04 AMENDMENT NO: 2
UTILITY SHEET

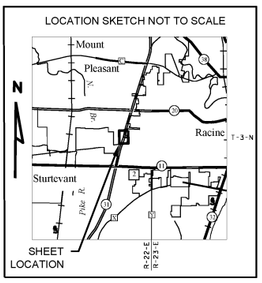
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

LOCATION SKETCH NOT TO SCALE



FOUND RACINE COUNTY CAST IRON MONUMENT W/BRASS CAP
Y = 180507.579
X = 620456.710

FOUND CONCRETE MONUMENT W/BRASS CAP
Y = 180400.064
X = 623112.435

SECTION LINE

SE/SW

NE/NW

NW/NW

SW/NW

SE/NW

SIXTEENTH LINE

LINCOLN VILLAGE DR

PC: 170+97.29

VILLAGE OF MOUNT PLEASANT

CITY OF RACINE

LOT 1 CSM 3226 DOC. 2452594

SUNSET HEIGHTS BLOCK 1 LOT 1

LOT 2

SUNSET BLVD

PI: 166+99.11

BYRD AVE

LOT 3 PLAT OF SKYLINE VILLAGE BLOCK 4

SUNSET HEIGHTS BLOCK 2 LOT 1

LOT 2

LOT 3

LOT 4

GREENLEAF BLVD

PI: 163+50.00

SUNSET HEIGHTS BLOCK 3 LOT 1

LOT 2

PT: 162+99.46

CASTLE CT

PLAT OF SURVEY 61464

STH 31

GN

SCALE, FEET 0 50 100

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 242 PG. 527 DOC. 344556 - PARS. 42, 43 & 44
VOL. 479 PG.671 DOC. 539377 - PAR. 44
NO RECORD OF EASEMENT - PARS. 28, 34, 36, 37, 43, 44 & 73

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 29

(205) WE ENERGIES (ELECTRIC)
VOL. 1150 PG. 66 DOC. 908211 - PAR. 37
VOL. 1258 PG. 556 DOC. 953862 - PAR. 36
VOL. 1254 PG. 478 DOC. 952182 - PARS. 38, & 39
VOL. 1150 PG. 64 DOC. 908210 - PAR. 37
VOL. 242 PG. 527 DOC. 344556 - PARS. 42, 43 & 44
NO RECORD OF EASEMENT - PARS. 34, 36, 44 & 73

(208) MT PLEASANT (SANITARY SEWER)
DOC. 2456637 - PAR. 39
VOL. 1586 PG. 393 DOC. 1081843 - PAR. 29

(210) RACINE WATER WORKS COMMISSION (WATER)
DOC. 2456637 - PAR. 39

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
208	MT PLEASANT (SANITARY SEWER)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

PROJECT NUMBER 2390-12-20-4.04
SHEET 3 OF 3
AMENDMENT NO: 2

709

2390-12-20-4.04 A2

PLOT SCALE : 1 IN:50 FT

PLOT NAME :

PLOT BY : Todd Copiskey

PLOT DATE : 7/11/2024 11:38 AM

PLOT DATE :

FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP-AMENDMENT 02.DWG

APPRAISAL PLAT DATE : 06/27/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04 AMENDMENT NO: 1

AMENDMENT ADDS UTILITY NUMBER 203 TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.04 RECORDED AS DOCUMENT NUMBER 2673360.

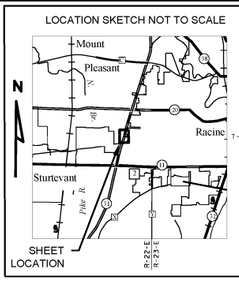
THAT PART OF LOT 1 CSM 3226, LOTS 1 AND 2, BLOCK 1 AND LOTS 1-4, BLOCK 2 AND LOTS 1 AND 2 BLOCK 3 OF THE PLAT OF SUNSET HEIGHTS, LOCATED IN PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, PART OF LOT 1, BLOCK 4 OF THE PLAT OF SKYLINE VILLAGE, LOCATED IN PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, AND PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE



Document # 2677844
RACINE COUNTY REGISTER OF DEEDS
June 03, 2024 7:38 AM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000025249
Pages: 3

710

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.04
SHEET 1 OF 3
AMENDMENT NO: 1

FOUND RACINE COUNTY CAST IRON MONUMENT W/BRASS CAP
Y = 180507.579
X = 620456.710

S87°40'54"E 1669.96' MON-4000

SECTION LINE

SEE 2390-12-20-4.05

N87°40'54"W 845.84' MON-4005

FOUND CONCRETE MONUMENT W/BRASS CAP
Y = 180400.064
X = 623112.435

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

LINCOLN VILLAGE DR
VILLAGE OF MOUNT PLEASANT
CITY OF RACINE
SIXTEENTH LINE
NW/NW
NE/NW
SW/NW
SE/NW
SE/SW
LOT 1 CSM 3226 DOC. 2452594
SUNSET BLVD
BYRD AVE
GREENLEAF BLVD
CASTLE CT
STH 31
SUNSET HEIGHTS BLOCK 1
SUNSET HEIGHTS BLOCK 2
SUNSET HEIGHTS BLOCK 3
PLAT OF SKYLINE VILLAGE BLOCK 4
PC: 170+97.29
PI: 166+99.11
PI: 163+50.00
PT: 162+99.46
RL FROM 2350-01-21
N12°18'10"E
N12°49'41"E
N12°04'12"E
CURVE 2
CURVE 3
DETAIL A
DETAIL B
EXCLUDING SIGN
EXCLUDING RETAINING WALL
EXCLUDING LIGHT POLE
10' INGRESS AND EGRESS EASEMENT DOC. 2030207
15' STORM SEWER EASEMENT V 1586 P 388 DOC 1081842
PLAT OF SURVEY 61464 BLANKET INGRESS AND EGRESS EASEMENT V. 1755, P. 560-561 DOC. 1170675
BLDG IS 49' FROM FEE
BLDG IS 21' FROM FEE
BLDG IS 50' FROM FEE
BLDG IS 28' FROM FEE

CURVE 2
PI STA = 160+73.35
Y = 179114.235
X = 621904.143
DELTA = 9°03'59" LT
D = 2°00'02"
T = 227.05'
L = 453.16'
R = 2863.82'
PC STA = 158+46.29
Y = 178902.456
X = 621822.270
PT STA = 162+99.46
Y = 179336.270
X = 621951.621
DB = S21°08'11"W

CURVE 3
PI STA = 172+97.00
Y = 180310.251
X = 622167.098
DELTA = 2°21'33" RT
D = 0°35'27"
T = 199.71'
L = 399.36'
R = 9699.37'
PC STA = 170+97.29
Y = 180115.129
X = 622124.545
PT STA = 174+96.65
Y = 180503.456
X = 622217.647
DA = N14°39'42"E

3017-PT: 162+99.46
LCB=N14°14'23"E
LCH=216.85'
L=216.90'
R=2863.82'

PC: 170+97.29-4003
LCB=N13°16'46"E
LCH=330.70'
L=330.71'
R=9699.37'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	PROJECT 2390-01-21	120' & 130'	1975
STH 31	PLAT OF SKYLINE VILLAGE	66' & 103'	1972
STH 31	SUNSET HEIGHTS	66'	1928
BYRD AVE	PROJECT 2390-01-21	66'	1975
BYRD AVE	PLAT OF SKYLINE VILLAGE	66'	1972
CASTLE CT	PLAT OF SURVEY 61464	60'	2007
GREENLEAF BLVD	PROJECT 2390-01-21	60'	1975
GREENLEAF BLVD	SUNSET HEIGHTS	60'	1975
LINCOLN VILLAGE DR	CSM 3226	66'	2016
SUNSET BLVD	PROJECT 2390-01-21	60'	1975
SUNSET BLVD	SUNSET HEIGHTS	60'	1928

SCALE, FEET 0 50 100

GN

* PARCEL 37 TLE INCLUDES AREA UNDERLYING PARCEL 137'S FEE AREA.

** PARCEL 38 TLE INCLUDES AREA UNDERLYING PARCEL 138'S FEE AREA.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
28	PSP REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	361	---	361	---	482
29	STARC REGENCY LLC, A WISCONSIN LIMITED LIABILITY	FEE/TLE	18		18	---	75
34	ORCHARD SPRINGS APARTMENTS, INC	FEE/TLE	432	---	432	---	2204
36	EDWARD F. PALIATKA DBA ORCHARD SPRINGS 2	FEE/TLE	632	---	632	---	881
* 37	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY	FEE/TLE	744	---	744	---	1538
137	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY	FEE	106	---	106	---	---
** 38	THE VILLA AT LINCOLN PARK REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	559	---	559	---	10760
138	THE VILLA AT LINCOLN PARK REALTY, LLC, A WISCONSIN	FEE	36	---	36	---	---
39	MT. PLEASANT EVANGELICAL LUTHERAN CHURCH	TLE	---	---	---	---	1783
41	KEVIN L. STEWART, JR.	TLE	---	---	---	---	635
42	JANEE L. TOMLIN, A SINGLE PERSON	FEE/TLE	10	---	10	---	1472
43	PATRICK T. CANNESTRA AND CATHERINE S. CANNESTRA, HUSBAND AND WIFE FOR THEIR JOINT LIVES, WITH REMAINDER TO THE SURVIVOR OF THEM	FEE/TLE	167	---	167	---	1368
44	PAUL T. TABILI AND LEAYN M. TABILI, HUSBAND AND WIFE	FEE/TLE	377	---	377	---	1428
73	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	461	---	461	---	2160

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 5/29/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

SIGNATURE: Robert L. Duffeck DATE: 05/29/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.04 A1
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
admin
PLOT BY :
4/15/2024 2:55 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADD\52390120OS\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04 AMENDMENT NO: 1
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN

711

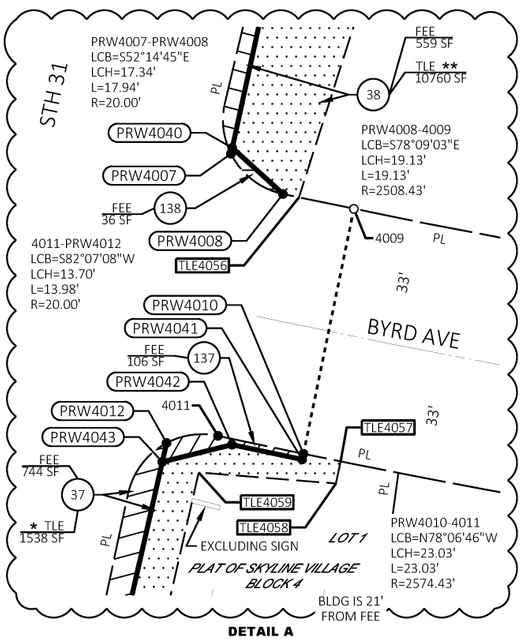
2390-12-20-4.04 A1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

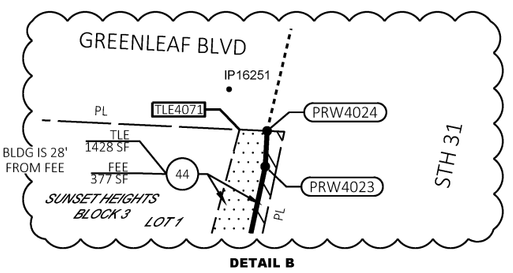
SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.



DETAIL A



DETAIL B

* PARCEL 37 TLE INCLUDES AREA UNDERLYING PARCEL 137'S FEE AREA.

** PARCEL 38 TLE INCLUDES AREA UNDERLYING PARCEL 138'S FEE AREA.

PRW4017-PRW3018
LCB=S15°03'49"W
LCH=105.89'
L=105.90'
R=2926.82'

PRW3016-PRW4021
LCB=N16°26'59"E
LCH=27.73'
L=27.73'
R=2800.82'

PRW4021-PRW4022
LCB=N14°07'05"E
LCH=200.18'
L=200.23'
R=2800.82'

TLE4050-TLE4051
LCB=N04°50'44"E
LCH=51.85'
L=53.16'
R=69.00'

TLE4054-TLE4055
LCB=N03°33'36"E
LCH=79.36'
L=79.76'
R=232.00'

TLE4066-TLE4067
LCB=S14°58'58"W
LCH=102.84'
L=102.84'
R=7110.05'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW3016	160+66.37	63.00'
3017	160+82.55	0.00'
PRW3018	160+98.02	63.00'
4000	174+12.55	73.65'
4001	174+14.61	63.77'
4003	174+28.00	0.00'
PRW4004	174+41.41	63.00'
4005	174+41.92	65.38'
PRW4006	169+89.69	63.00'
PRW4007	167+41.74	63.00'
PRW4008	167+34.29	78.66'
4009	167+34.44	97.79'
PRW4010	166+69.35	98.84'
4011	166+68.97	75.81'
PRW4012	166+64.13	63.00'
PRW4013	163+49.50	63.00'
PRW4014	162+85.30	63.00'
PRW4015	162+71.75	65.07'
PRW4016	162+13.01	64.50'
PRW4017	162+01.64	63.00'
PRW4021	160+94.73	63.00'
PRW4022	162+99.46	63.00'
PRW4023	163+44.85	63.00'
PRW4024	163+53.29	64.53'
PRW4025	164+14.31	64.13'
PRW4026	164+21.07	63.00'
PRW4027	165+76.32	63.00'
4028	166+62.20	64.14'
4029	167+23.66	64.72'
4030	170+28.74	65.96'
4031	170+97.34	64.69'
4032	171+64.14	63.68'
4033	173+77.06	63.50'
PRW4040	167+43.36	63.00'
PRW4041	166+67.81	98.86'
PRW4042	166+67.52	79.94'
PRW4043	166+59.00	63.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE3079	160+63.05	75.59'
TLE3080	160+99.00	67.08'
TLE4050	174+46.19	85.27'
TLE4051	173+94.55	93.71'
TLE4052	172+91.43	72.86'
TLE4053	171+04.96	71.95'
TLE4054	169+01.14	79.29'
TLE4055	168+22.70	91.36'
TLE4056	167+34.31	82.98'
TLE4057	166+69.58	108.84'
TLE4058	166+63.61	108.93'
TLE4059	166+58.42	72.98'
TLE4060	165+42.41	72.91'
TLE4061	165+42.12	69.28'
TLE4062	164+05.07	69.60'
TLE4063	164+05.33	77.59'
TLE4064	162+72.21	81.46'
TLE4065	162+13.42	73.00'
TLE4066	161+99.49	66.91'
TLE4069	160+67.51	75.36'
TLE4070	161+96.20	77.62'
TLE4071	163+52.01	71.73'
TLE4072	164+12.56	73.96'
TLE4073	165+31.27	73.96'
TLE4074	165+38.83	86.00'
TLE4075	165+54.76	86.00'
TLE4076	165+61.07	73.00'
TLE4077	166+60.57	73.00'
TLE4078	167+22.38	72.00'
TLE4079	167+26.64	69.73'
TLE4080	170+03.78	70.86'
TLE4081	170+18.21	76.04'
TLE4082	170+95.93	72.72'
TLE4083	171+63.17	68.99'
TLE4084	171+76.44	68.82'
TLE4085	171+76.37	63.54'
TLE4086	173+88.10	63.56'
TLE4087	173+88.06	68.57'
TLE4088	174+13.55	68.85'

COURSE TABLE		
COURSE	BEARING	DISTANCE
4000-4001	S87° 40' 54"E	10.09'
4001-4003	S87° 40' 54"E	65.17'
4003-PRW4004	S87° 40' 54"E	64.40'
PRW4004-4005	S87° 40' 54"E	2.44'
4005-PRW4006	S13° 22' 50"W	449.92'
PRW4006-PRW4040	S12° 18' 10"W	246.33'
PRW4040-PRW4007	S12° 18' 10"W	1.61'
PRW4007-PRW4008	SEE CURVE DATA	
PRW4008-4009	SEE CURVE DATA	
4009-PRW4010	S11° 37' 51"W	66.00'
PRW4010-4011	SEE CURVE DATA	
4011-PRW4012	SEE CURVE DATA	
PRW4012-PRW4043	S12° 49' 41"W	5.13'
PRW4043-PRW4013	S12° 49' 41"W	308.66'
PRW4013-PRW4014	S12° 06' 03"W	64.51'
PRW4014-PRW4015	S03° 59' 55"W	14.01'
PRW4015-PRW4016	S13° 45' 15"W	60.07'
PRW4016-PRW4017	S21° 15' 54"W	11.72'
PRW4017-PRW3018	SEE CURVE DATA	
PRW3018-3017	N87° 40' 59"W	64.91'
3017-PRW3016	N87° 40' 59"W	65.00'
PRW3016-PRW4021	SEE CURVE DATA	
PRW4021-PRW4022	SEE CURVE DATA	
PRW4022-PRW4023	N12° 04' 12"E	45.40'
PRW4023-PRW4024	N03° 00' 19"E	9.41'
PRW4024-PRW4025	N13° 12' 17"E	61.02'
PRW4025-PRW4026	N22° 19' 15"E	6.86'
PRW4026-PRW4027	N12° 49' 41"E	155.25'
PRW4027-4028	N12° 04' 12"E	85.89'
4028-4029	N12° 04' 12"E	60.87'
4029-4030	N12° 04' 12"E	305.09'
4030-4031	N13° 21' 39"E	68.61'
4031-4032	N13° 22' 00"E	67.25'
4032-4033	N13° 22' 26"E	214.32'
4033-4001	N13° 39' 11"E	37.80'

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16224	179305.814	622014.598	0.5" IRON ROD
IP16225	179305.755	622014.535	0.5" IRON ROD
IP16237	180194.238	622076.804	1.50" O.D. IRON PIPE
IP16243	179763.557	621981.622	0.75" IRON ROD
IP16244	179719.475	621954.794	CHISELED 'X'
IP16245	179704.992	621969.091	1.50" O.D. IRON PIPE
IP16246	179775.369	621705.842	1.50" O.D. IRON PIPE
IP16250	179712.526	621771.642	1" O.D. IRON PIPE
IP16251	179414.232	621889.996	1" IRON ROD
IP16252	179469.679	621765.228	1" IRON ROD
IP16253	179409.496	621763.120	1.25 O.D. IRON PIPE
IP16276	180433.956	622267.578	0.75" IRON ROD
IP16277	179423.562	622032.808	0.5" IRON ROD
IP16278	179295.842	622004.302	1" O.D. IRON PIPE
IP16279	179237.503	621990.321	1.25" O.D. IRON PIPE

PARCEL 138 R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW4040-PRW4008	S47° 37' 29"E	18.10'
PARCEL 137 R/W COURSE TABLE		
PRW4010-PRW4041	S11° 55' 29"W	1.54'
PRW4041-PRW4042	N78° 03' 25"W	18.93'
PRW4042-PRW4043	S76° 06' 30"W	18.96'

PROJECT NUMBER 2390-12-20-4.04
SHEET 2 OF 3
AMENDMENT NO: 1

FILE NAME : Y:\52XX\231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

PLOT DATE : 4/15/2024 2:56 PM

PLOT BY : admin

PLOT NAME :

PLOT SCALE : ##########

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04 AMENDMENT NO: 1
UTILITY SHEET

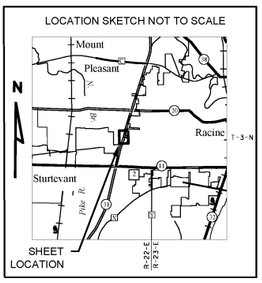
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

LOCATION SKETCH NOT TO SCALE



712

FOUND RACINE COUNTY CAST IRON MONUMENT W/BRASS CAP Y = 180507.579 X = 620456.710

FOUND CONCRETE MONUMENT W/BRASS CAP Y = 180400.064 X = 623112.435

SECTION LINE

SE/SW

NE/NW

NW/NW

SW/NW

SE/NW

SIXTEENTH LINE

SIXTEENTH LINE

LINCOLN VILLAGE DR

PC: 170+97.29

VILLAGE OF MOUNT PLEASANT

CITY OF RACINE

LOT 1 CSM 3226 DOC. 2452594

SUNSET HEIGHTS BLOCK 1 LOT 1

LOT 2

SUNSET BLVD

PI: 166+99.11

BYRD AVE

LOT 1

LOT 2

LOT 3 PLAT OF SKYLINE VILLAGE BLOCK 4

SUNSET HEIGHTS BLOCK 2 LOT 2

LOT 3

LOT 4

GREENLEAF BLVD

PI: 163+50.00

SUNSET HEIGHTS BLOCK 3

PT: 162+99.46

LOT 1

LOT 2

CASTLE CT

PLAT OF SURVEY 61464

STH 31

SCALE, FEET 0 50 100

GN

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 242 PG. 527 DOC. 344556 - PARS. 42, 43 & 44
VOL. 479 PG.671 DOC. 539377 - PAR. 44
NO RECORD OF EASEMENT - PARS. 28, 34, 36, 37, 43, 44 & 73

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 29

(205) WE ENERGIES (ELECTRIC)
VOL. 1150 PG. 66 DOC. 908211 - PAR. 37
VOL. 1258 PG. 556 DOC. 953862 - PAR. 36
VOL. 1254 PG. 478 DOC. 952182 - PARS. 38, 39 & 138
VOL. 1150 PG. 64 DOC. 908210 - PAR. 37
VOL. 242 PG. 527 DOC. 344556 - PARS. 42, 43 & 44
NO RECORD OF EASEMENT - PARS. 34, 36, 44 & 73

(208) MT PLEASANT (SANITARY SEWER)
DOC. 2456637 - PAR. 39
VOL. 1586 PG. 393 DOC. 1081843 - PAR. 29

(210) RACINE WATER WORKS COMMISSION (WATER)
DOC. 2456637 - PAR. 39

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
208	MT PLEASANT (SANITARY SEWER)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

PROJECT NUMBER 2390-12-20-4.04
SHEET 3 OF 3
AMENDMENT NO: 1

2390-12-20-4.04 A1
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : admin
PLOT DATE : 4/15/2024 2:56 PM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 04/15/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04

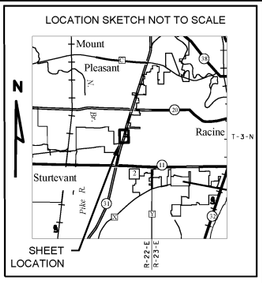
THAT PART OF LOT 1 CSM 3226, LOTS 1 AND 2, BLOCK 1 AND LOTS 1-4, BLOCK 2 AND LOTS 1 AND 2 BLOCK 3 OF THE PLAT OF SUNSET HEIGHTS, LOCATED IN PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, PART OF LOT 1, BLOCK 4 OF THE PLAT OF SKYLINE VILLAGE, LOCATED IN PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, AND PART OF NE1/4 OF THE NW1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE



Document # 2673360
RACINE COUNTY REGISTER OF DEEDS
March 21, 2024 11:29 AM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000025249
Pages: 3

713

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.04
SHEET 1 OF 3
AMENDMENT NO:___

FOUND RACINE COUNTY CAST IRON MONUMENT W/BRASS CAP
Y = 180507.579
X = 620456.710

T 3 N, R 22 E, SECTION 14, 13, 23, 24

S87°40'54"E 1669.96' MON-4000

SE/SW

SECTION LINE

SEE 2390-12-20-4.05

N87°40'54"W 845.84' MON-4005

FOUND CONCRETE MONUMENT W/BRASS CAP
Y = 180400.064
X = 623112.435

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

CURVE 2
PI STA = 160+73.35
Y = 179114.235
X = 621904.143
DELTA = 9°03'59" LT
D = 2°00'02"
T = 227.05'
L = 453.16'
R = 2863.82'
PC STA = 158+46.29
Y = 178902.456
X = 621822.270
PT STA = 162+99.46
Y = 179336.270
X = 621951.621
DB = S21°08'11"W

CURVE 3
PI STA = 172+97.00
Y = 180310.251
X = 622167.098
DELTA = 2°21'33" RT
D = 0°35'27"
T = 199.71'
L = 399.36'
R = 9699.37'
PC STA = 170+97.29
Y = 180115.129
X = 622124.545
PT STA = 174+96.65
Y = 180503.456
X = 622217.647
DA = N14°39'42"E

3017-PT: 162+99.46
LCB=N14°14'23"E
LCH=216.85'
L=216.90'
R=2863.82'

PC: 170+97.29-4003
LCB=N13°16'46"E
LCH=330.70'
L=330.71'
R=9699.37'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	PROJECT 2390-01-21	120' & 130'	1975
STH 31	PLAT OF SKYLINE VILLAGE	66' & 103'	1972
STH 31	SUNSET HEIGHTS	66'	1928
BYRD AVE	PROJECT 2390-01-21	66'	1975
BYRD AVE	PLAT OF SKYLINE VILLAGE	66'	1972
CASTLE CT	PLAT OF SURVEY 61464	60'	2007
GREENLEAF BLVD	PROJECT 2390-01-21	60'	1975
GREENLEAF BLVD	SUNSET HEIGHTS	60'	1975
LINCOLN VILLAGE DR	CSM 3226	66'	2016
SUNSET BLVD	PROJECT 2390-01-21	60'	1975
SUNSET BLVD	SUNSET HEIGHTS	60'	1928

SCALE, FEET 0 50 100

GN

* PARCEL 37 TLE INCLUDES AREA UNDERLYING PARCEL 137'S FEE AREA.

** PARCEL 38 TLE INCLUDES AREA UNDERLYING PARCEL 138'S FEE AREA.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
28	PSP REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	361	---	361	---	482
29	STARC REGENCY LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	18		18	---	75
34	ORCHARD SPRINGS APARTMENTS, INC	FEE/TLE	432	---	432	---	2204
36	EDWARD F. PALIATKA DBA ORCHARD SPRINGS 2	FEE/TLE	632	---	632	---	881
* 37	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	744	---	744	---	1538
137	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	106	---	106	---	---
** 38	THE VILLA AT LINCOLN PARK REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	559	---	559	---	10760
138	THE VILLA AT LINCOLN PARK REALTY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	36	---	36	---	---
39	MT. PLEASANT EVANGELICAL LUTHERAN CHURCH	TLE	---	---	---	---	1783
41	KEVIN L. STEWART, JR.	TLE	---	---	---	---	635
42	JANEE L. TOMLIN, A SINGLE PERSON	FEE/TLE	10	---	10	---	1472
43	PATRICK T. CANNESTRA AND CATHERINE S. CANNESTRA, HUSBAND AND WIFE FOR THEIR JOINT LIVES, WITH REMAINDER TO THE SURVIVOR OF THEM	FEE/TLE	167	---	167	---	1368
44	PAUL T. TABILI AND LEAYN M. TABILI, HUSBAND AND WIFE	FEE/TLE	377	---	377	---	1428
73	GRACE35, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	461	---	461	---	2160

emcs.inc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/14/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L. Duffeck DATE: 03/18/24
PRINT NAME: Robert L. Duffeck

2390-12-20-4.04
1 IN:50 FT
PLOT SCALE :
PLOT NAME :
Drew Nelson
PLOT BY :
3/14/2024 12:37 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADD\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN

714

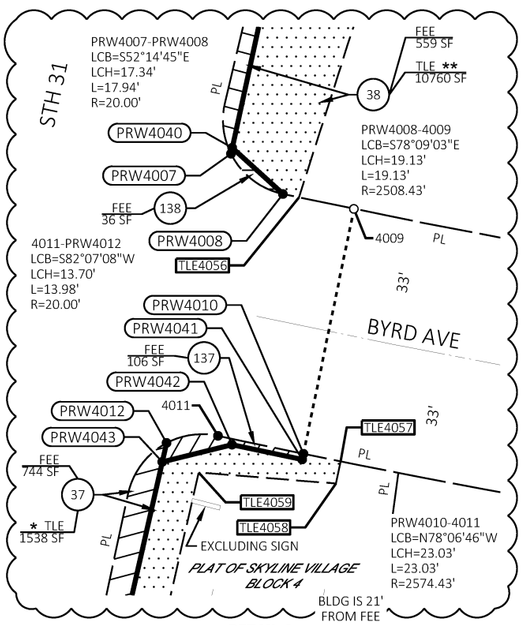
2390-12-20-4.04

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

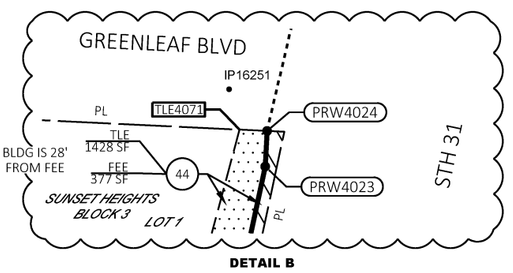
SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.



DETAIL A



DETAIL B

* PARCEL 37 TLE INCLUDES AREA UNDERLYING PARCEL 137'S FEE AREA.

** PARCEL 38 TLE INCLUDES AREA UNDERLYING PARCEL 138'S FEE AREA.

PRW4017-PRW3018
LCB=S15°03'49"W
LCH=105.89'
L=105.90'
R=2926.82'

PRW3016-PRW4021
LCB=N16°26'59"E
LCH=27.73'
L=27.73'
R=2800.82'

PRW4021-PRW4022
LCB=N14°07'05"E
LCH=200.18'
L=200.23'
R=2800.82'

TLE4050-TLE4051
LCB=N04°50'44"E
LCH=51.85'
L=53.16'
R=69.00'

TLE4054-TLE4055
LCB=N03°33'36"E
LCH=79.36'
L=79.76'
R=232.00'

TLE4066-TLE4067
LCB=S14°58'58"W
LCH=102.84'
L=102.84'
R=7110.05'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW3016	160+66.37	63.00'
3017	160+82.55	0.00'
PRW3018	160+98.02	63.00'
4000	174+12.55	73.65'
4001	174+14.61	63.77'
4003	174+28.00	0.00'
PRW4004	174+41.41	63.00'
4005	174+41.92	65.38'
PRW4006	169+89.69	63.00'
PRW4007	167+41.74	63.00'
PRW4008	167+34.29	78.66'
4009	167+34.44	97.79'
PRW4010	166+69.35	98.84'
4011	166+68.97	75.81'
PRW4012	166+64.13	63.00'
PRW4013	163+49.50	63.00'
PRW4014	162+85.30	63.00'
PRW4015	162+71.75	65.07'
PRW4016	162+13.01	64.50'
PRW4017	162+01.64	63.00'
PRW4021	160+94.73	63.00'
PRW4022	162+99.46	63.00'
PRW4023	163+44.85	63.00'
PRW4024	163+53.29	64.53'
PRW4025	164+14.31	64.13'
PRW4026	164+21.07	63.00'
PRW4027	165+76.32	63.00'
4028	166+62.20	64.14'
4029	167+23.66	64.72'
4030	170+28.74	65.96'
4031	170+97.34	64.69'
4032	171+64.14	63.68'
4033	173+77.06	63.50'
PRW4040	167+43.36	63.00'
PRW4041	166+67.81	98.86'
PRW4042	166+67.52	79.94'
PRW4043	166+59.00	63.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE3079	160+63.05	75.59'
TLE3080	160+99.00	67.08'
TLE4050	174+46.19	85.27'
TLE4051	173+94.55	93.71'
TLE4052	172+91.43	72.86'
TLE4053	171+04.96	71.95'
TLE4054	169+01.14	79.29'
TLE4055	168+22.70	91.36'
TLE4056	167+34.31	82.98'
TLE4057	166+69.58	108.84'
TLE4058	166+63.61	108.93'
TLE4059	166+58.42	72.98'
TLE4060	165+42.41	72.91'
TLE4061	165+42.12	69.28'
TLE4062	164+05.07	69.60'
TLE4063	164+05.33	77.59'
TLE4064	162+72.21	81.46'
TLE4065	162+13.42	73.00'
TLE4066	161+99.49	66.91'
TLE4069	160+67.51	75.36'
TLE4070	161+96.20	77.62'
TLE4071	163+52.01	71.73'
TLE4072	164+12.56	73.96'
TLE4073	165+31.27	73.96'
TLE4074	165+38.83	86.00'
TLE4075	165+54.76	86.00'
TLE4076	165+61.07	73.00'
TLE4077	166+60.57	73.00'
TLE4078	167+22.38	72.00'
TLE4079	167+26.64	69.73'
TLE4080	170+03.78	70.86'
TLE4081	170+18.21	76.04'
TLE4082	170+95.93	72.72'
TLE4083	171+63.17	68.99'
TLE4084	171+76.44	68.82'
TLE4085	171+76.37	63.54'
TLE4086	173+88.10	63.56'
TLE4087	173+88.06	68.57'
TLE4088	174+13.55	68.85'

COURSE TABLE		
COURSE	BEARING	DISTANCE
4000-4001	S87° 40' 54"E	10.09'
4001-4003	S87° 40' 54"E	65.17'
4003-PRW4004	S87° 40' 54"E	64.40'
PRW4004-4005	S87° 40' 54"E	2.44'
4005-PRW4006	S13° 22' 50"W	449.92'
PRW4006-PRW4040	S12° 18' 10"W	246.33'
PRW4040-PRW4007	S12° 18' 10"W	1.61'
PRW4007-PRW4008	SEE CURVE DATA	
PRW4008-4009	SEE CURVE DATA	
4009-PRW4010	S11° 37' 51"W	66.00'
PRW4010-4011	SEE CURVE DATA	
4011-PRW4012	SEE CURVE DATA	
PRW4012-PRW4043	S12° 49' 41"W	5.13'
PRW4043-PRW4013	S12° 49' 41"W	308.66'
PRW4013-PRW4014	S12° 06' 03"W	64.51'
PRW4014-PRW4015	S03° 59' 55"W	14.01'
PRW4015-PRW4016	S13° 45' 15"W	60.07'
PRW4016-PRW4017	S21° 15' 54"W	11.72'
PRW4017-PRW3018	SEE CURVE DATA	
PRW3018-3017	N87° 40' 59"W	64.91'
3017-PRW3016	N87° 40' 59"W	65.00'
PRW3016-PRW4021	SEE CURVE DATA	
PRW4021-PRW4022	SEE CURVE DATA	
PRW4022-PRW4023	N12° 04' 12"E	45.40'
PRW4023-PRW4024	N03° 00' 19"E	9.41'
PRW4024-PRW4025	N13° 12' 17"E	61.02'
PRW4025-PRW4026	N22° 19' 15"E	6.86'
PRW4026-PRW4027	N12° 49' 41"E	155.25'
PRW4027-4028	N12° 04' 12"E	85.89'
4028-4029	N12° 04' 12"E	60.87'
4029-4030	N12° 04' 12"E	305.09'
4030-4031	N13° 21' 39"E	68.61'
4031-4032	N13° 22' 00"E	67.25'
4032-4033	N13° 22' 26"E	214.32'
4033-4001	N13° 39' 11"E	37.80'

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16224	179305.814	622014.598	0.5" IRON ROD
IP16225	179305.755	622014.535	0.5" IRON ROD
IP16237	180194.238	622076.804	1.50" O.D. IRON PIPE
IP16243	179763.557	621981.622	0.75" IRON ROD
IP16244	179719.475	621954.794	CHISELED 'X'
IP16245	179704.992	621969.091	1.50" O.D. IRON PIPE
IP16246	179775.369	621705.842	1.50" O.D. IRON PIPE
IP16250	179712.526	621771.642	1" O.D. IRON PIPE
IP16251	179414.232	621889.996	1" IRON ROD
IP16252	179469.679	621765.228	1" IRON ROD
IP16253	179409.496	621763.120	1.25 O.D. IRON PIPE
IP16276	180433.956	622267.578	0.75" IRON ROD
IP16277	179423.562	622032.808	0.5" IRON ROD
IP16278	179295.842	622004.302	1" O.D. IRON PIPE
IP16279	179237.503	621990.321	1.25" O.D. IRON PIPE

PARCEL 138 R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW4040-PRW4008	S47° 37' 29"E	18.10'
PARCEL 137 R/W COURSE TABLE		
PRW4010-PRW4041	S11° 55' 29"W	1.54'
PRW4041-PRW4042	N78° 03' 25"W	18.93'
PRW4042-PRW4043	S76° 06' 30"W	18.96'

PROJECT NUMBER 2390-12-20-4.04
SHEET 2 OF 3
AMENDMENT NO:___

FILE NAME : Y:\52XX\231_DP STH31 RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024
PLOT DATE : 3/14/2024 12:38 PM
PLOT BY : Drew Nelson
PLOT NAME :
PLOT SCALE : ##########

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.04
UTILITY SHEET

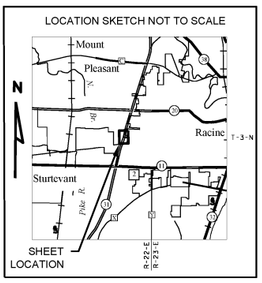
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

LOCATION SKETCH NOT TO SCALE



715

FOUND RACINE COUNTY CAST IRON MONUMENT W/BRASS CAP Y = 180507.579 X = 620456.710

FOUND CONCRETE MONUMENT W/BRASS CAP Y = 180400.064 X = 623112.435

SECTION LINE

SE/SW

NE/NW

NW/NW

SW/NW

SE/NW

LINCOLN VILLAGE DR

PC: 170+97.29

SIXTEENTH LINE

VILLAGE OF MOUNT PLEASANT

CITY OF RACINE

LOT 1 CSM 3226 DOC. 2452594

SUNSET HEIGHTS BLOCK 1 LOT 1

LOT 2

SUNSET BLVD

PI: 166+99.11

STH 31

BYRD AVE

LOT 3 PLAT OF SKYLINE VILLAGE BLOCK 4

SUNSET HEIGHTS BLOCK 2 LOT 1

LOT 2

LOT 3

LOT 4

GREENLEAF BLVD

PI: 163+50.00

SUNSET HEIGHTS BLOCK 3

PT: 162+99.46

LOT 1

LOT 2

CASTLE CT

PLAT OF SURVEY 61464

SIXTEENTH LINE

GN

SCALE, FEET 0 50 100

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 242 PG. 527 DOC. 344556 - PARS. 42, 43 & 44
VOL. 479 PG.671 DOC. 539377 - PAR. 44
NO RECORD OF EASEMENT - PARS. 28, 34, 36, 37, 43, 44 & 73

(205) WE ENERGIES (ELECTRIC)
VOL. 1150 PG. 66 DOC. 908211 - PAR. 37
VOL. 1258 PG. 556 DOC. 953862 - PAR. 36
VOL. 1254 PG. 478 DOC. 952182 - PARS. 38, 39 & 138
VOL. 1150 PG. 64 DOC. 908210 - PAR. 37
VOL. 242 PG. 527 DOC. 344556 - PARS. 42, 43 & 44
NO RECORD OF EASEMENT - PARS. 34, 36, 44 & 73

(208) MT PLEASANT (SANITARY SEWER)
DOC. 2456637 - PAR. 39
VOL. 1586 PG. 393 DOC. 1081843 - PAR. 29

(210) RACINE WATER WORKS COMMISSION (WATER)
DOC. 2456637 - PAR. 39

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
208	MT PLEASANT (SANITARY SEWER)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

PROJECT NUMBER 2390-12-20-4.04
SHEET 3 OF 3
AMENDMENT NO:___

2390-12-20-4.04
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : Drew Nelson
PLOT DATE : 3/14/2024 12:39 PM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.05

THAT PART OF PART OF THE SE1/4 OF THE SW1/4 OF SECTION 13, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, PART OF LOTS 1-3, BLOCK 1 AND LOTS 1 AND 2, BLOCK 2 OF THE PLAT OF VAN WIE HOMESITES, LOT 2 CSM 1672, LOCATED IN PART OF THE SE1/4 OF THE SW1/4 OF SECTION 13, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, AND PART OF THE SE1/4 OF THE SW1/4 OF SECTION 13, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
39	MT. PLEASANT EVANGELICAL LUTHERAN CHURCH	TLE	---	---	---	---	261
46	LAWRENCE E. PERFETTO	FEE/PLE/TLE	1235	---	1235	142	2354
47	1557 GREEN BAY ROAD, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	206	---	206	---	1250
48	ASPEN APTS, LLC, A WISCONSIN LIMIED LIABILITY COMPANY	FEE/TLE	23	---	23	---	924
49	BAUNE FAMILY TRUST DATED JUNE 30, 2017	TLE	---	---	---	---	568
51	HARBOR ROCK TABERNACLE	TLE	---	---	---	---	427
52	CASE EQUIPMENT CORPORATION, A DELAWARE CORPORATION	FEE/TLE	3334	---	3334	---	2201
53	WALNUT TREE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	2282	---	2282	---	2527
54	MACHINISTS CREDIT UNION, A WISCONSIN CORPORATION, N/K/A MCU FINANCIAL CENTER - CREDIT UNION	FEE/TLE	1606	---	1606	---	3294
56	WI. LAKESHORE CO., INC.	FEE/TLE	1807	---	1807	---	2286
57	MARTIN L. KETTERER AND GAYLENE M. KETTERER JOINT REVOCABLE TRUST DATED DECEMBER 5, 1996, TRUSTEES MARTIN L.KETTERER AND GAYLENE M. KETTERER	FEE/TLE	660	---	660	---	1131
58	MARY AND MICHAEL LENZ, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	431	---	431	---	506

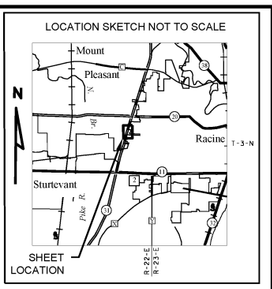
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 31 HAS BEEN ESTABLISHED FROM DOC. 746431.

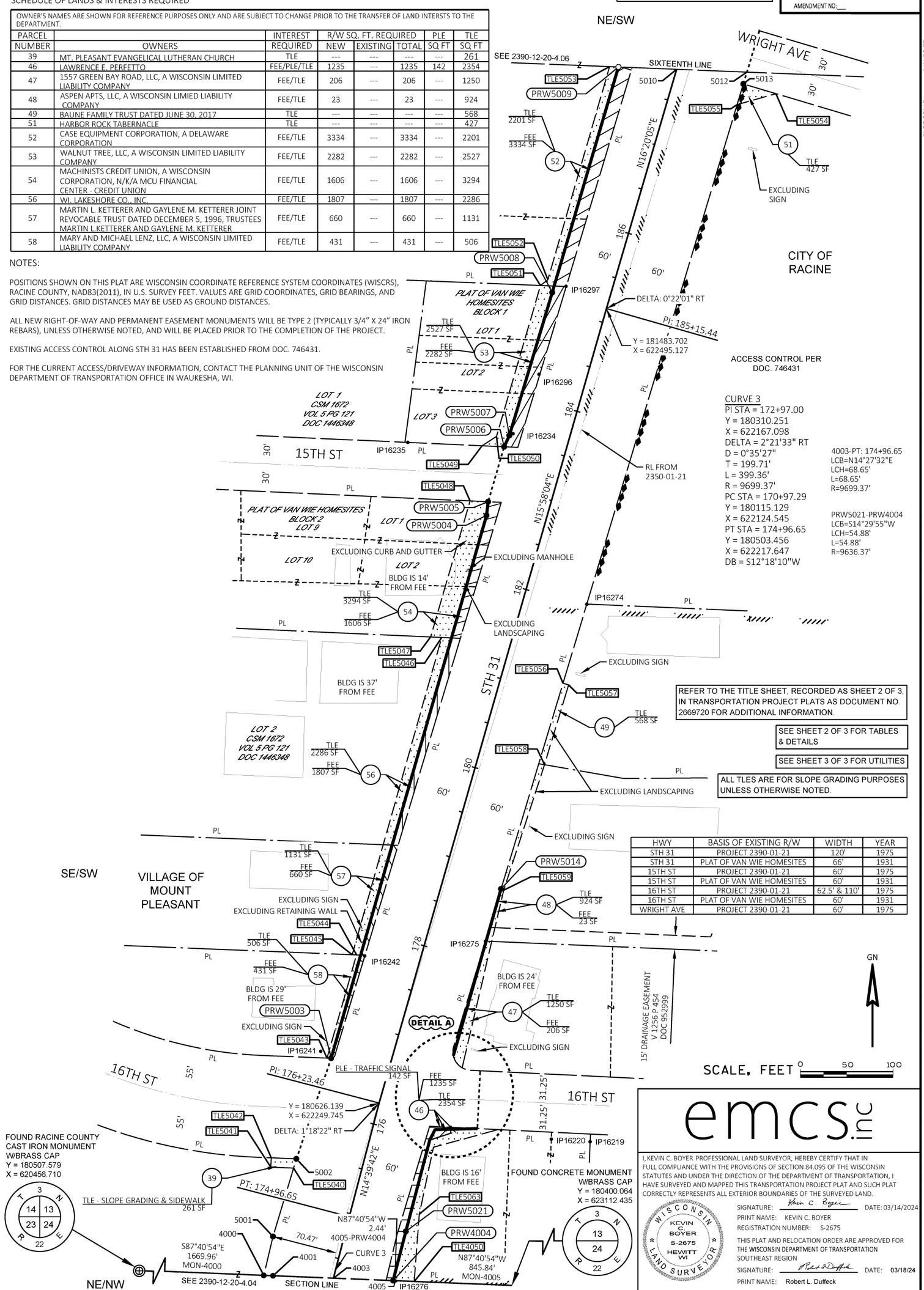
FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.



Document # 2673380
RACINE COUNTY REGISTER OF DEEDS
March 21, 2024 1:43 PM
KARE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000025249
Pages: 3

716

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.05
SHEET 1 OF 3
AMENDMENT NO:___



emcs.inc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/14/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L. Duffeck DATE: 03/18/24
PRINT NAME: Robert L. Duffeck

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	PROJECT 2390-01-21	120'	1975
STH 31	PLAT OF VAN WIE HOMESITES	66'	1931
15TH ST	PROJECT 2390-01-21	60'	1975
15TH ST	PLAT OF VAN WIE HOMESITES	60'	1931
16TH ST	PROJECT 2390-01-21	62.5' & 110'	1975
16TH ST	PLAT OF VAN WIE HOMESITES	60'	1931
WRIGHT AVE	PROJECT 2390-01-21	60'	1975

2390-12-20-4.05
PLOT SCALE : 1 IN:50 FT
PLOT NAME : Drew Nelson
PLOT BY : 3/14/2024 1:01 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.05
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN

717

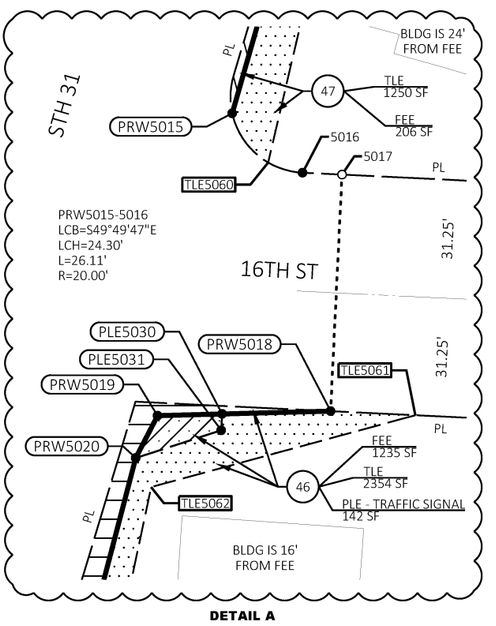
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16219	180584.294	622477.512	0.5" IRON ROD
IP16220	180587.101	622435.596	1" O.D. IRON PIPE
IP16234	181348.506	622394.356	1.25" O.D. IRON PIPE
IP16235	181339.173	622280.758	0.75" IRON ROD
IP16241	180681.911	622186.893	8" SPIKE
IP16242	180784.767	622234.239	1.25" O.D. IRON PIPE
IP16274	181164.544	622473.969	1.25" O.D. IRON PIPE
IP16275	180800.686	622364.560	1" O.D. IRON PIPE
IP16276	180433.956	622267.578	0.75" IRON ROD
IP16296	181412.689	622422.329	0.5" IRON ROD
IP16297	181507.687	622451.523	0.25" IRON ROD



DETAIL A

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
4000	174+12.55	73.65'
4001	174+14.61	63.77'
4003	174+28.00	0.00'
PRW4004	174+41.41	63.00'
4005	174+41.92	65.38'
5001	174+55.39	74.33'
5002	175+42.57	71.11'
PRW5003	176+55.68	63.00'
PRW5004	182+65.16	63.00'
PRW5005	182+79.86	65.44'
PRW5006	183+41.60	65.15'
PRW5007	183+54.91	63.06'
PRW5008	185+15.64	61.00'
PRW5009	187+69.30	61.00'
5010	187+84.55	0.00'
5012	188+02.97	73.63'
5013	187+89.60	73.53'
PRW5014	178+81.84	63.00'
PRW5015	176+94.53	63.00'
5016	176+84.57	85.16'
5017	176+86.95	95.31'
PRW5018	176+26.10	109.58'
PRW5019	176+10.89	65.73'
PRW5020	175+98.63	63.00'
PRW5021	174+96.65	63.00'
PLE5030	176+15.63	82.08'
PLE5031	176+11.41	82.97'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE4050	174+46.19	85.27'
TLE5040	175+32.16	71.48'
TLE5041	175+26.92	95.47'
TLE5042	175+36.77	97.62'
TLE5043	176+54.63	67.36'
TLE5044	177+70.49	67.38'
TLE5045	177+69.38	71.93'
TLE5046	181+25.17	73.26'
TLE5047	181+22.39	84.91'
TLE5048	182+75.34	84.45'
TLE5049	183+36.09	88.30'
TLE5050	183+50.07	76.11'
TLE5051	185+19.32	75.36'
TLE5052	185+27.47	69.49'
TLE5053	187+66.99	70.24'
TLE5054	187+89.43	110.23'
TLE5055	187+66.33	73.37'
TLE5056	181+13.70	66.14'
TLE5057	181+13.62	72.46'
TLE5058	180+23.68	71.18'
TLE5059	178+81.30	66.11'
TLE5060	176+84.65	75.68'
TLE5061	176+31.21	131.36'
TLE5062	175+92.21	68.86'
TLE5063	175+18.38	72.35'

COURSE TABLE		
COURSE	BEARING	DISTANCE
4000-5001	N13° 22' 49"E	43.17'
5001-5002	N16° 42' 48"E	87.55'
5002-PRW5003	N19° 05' 05"E	114.88'
PRW5003-PRW5004	N15° 58' 04"E	609.48'
PRW5004-PRW5005	N06° 32' 09"E	14.89'
PRW5005-PRW5006	N16° 14' 31"E	61.74'
PRW5006-PRW5007	N24° 51' 21"E	13.47'
PRW5007-PRW5008	N16° 42' 10"E	161.13'
PRW5008-PRW5009	N16° 20' 05"E	253.66'
PRW5009-5010	S87° 42' 20"E	62.88'
5010-5012	S87° 42' 20"E	75.90'
5012-5013	S16° 44' 30"W	13.37'
5013-PRW5014	S16° 44' 38"W	907.36'
PRW5014-PRW5015	S15° 58' 04"W	187.31'
PRW5015-5016	SEE CURVE DATA	
5016-5017	S87° 13' 58"E	10.42'
5017-PRW5018	S02° 46' 02"W	62.50'
PRW5018-PRW5019	S88° 30' 57"W	45.69'
PRW5019-PRW5020	S27° 11' 10"W	12.57'
PRW5020-PRW5021	S14° 39' 42"W	101.98'
PRW5021-PRW4004	SEE CURVE DATA	
PRW4004-4003	N87° 40' 54"W	64.40'
4003-4001	N87° 40' 54"W	65.17'
4001-4000	N87° 40' 54"W	10.09'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW5018-PLE5030	S88° 30' 57"W	28.66'
PLE5030-PLE5031	S02° 46' 02"W	4.31'
PLE5031-PRW5020	S72° 02' 03"W	23.72'
PRW5019-PLE5030	N88° 30' 57"E	17.03'

PROJECT NUMBER 2390-12-20-4.05
SHEET 2 OF 3
AMENDMENT NO:___

FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024
PLOT DATE : 3/14/2024 1:03 PM
PLOT BY : Drew Nelson
PLOT NAME :
PLOT SCALE : ##########
2390-12-20-4.05

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.05
UTILITY SHEET

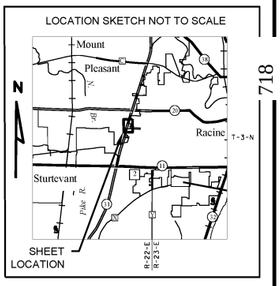
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES & DETAILS

LOCATION SKETCH NOT TO SCALE



718

UTILITY INTERESTS REQUIRED

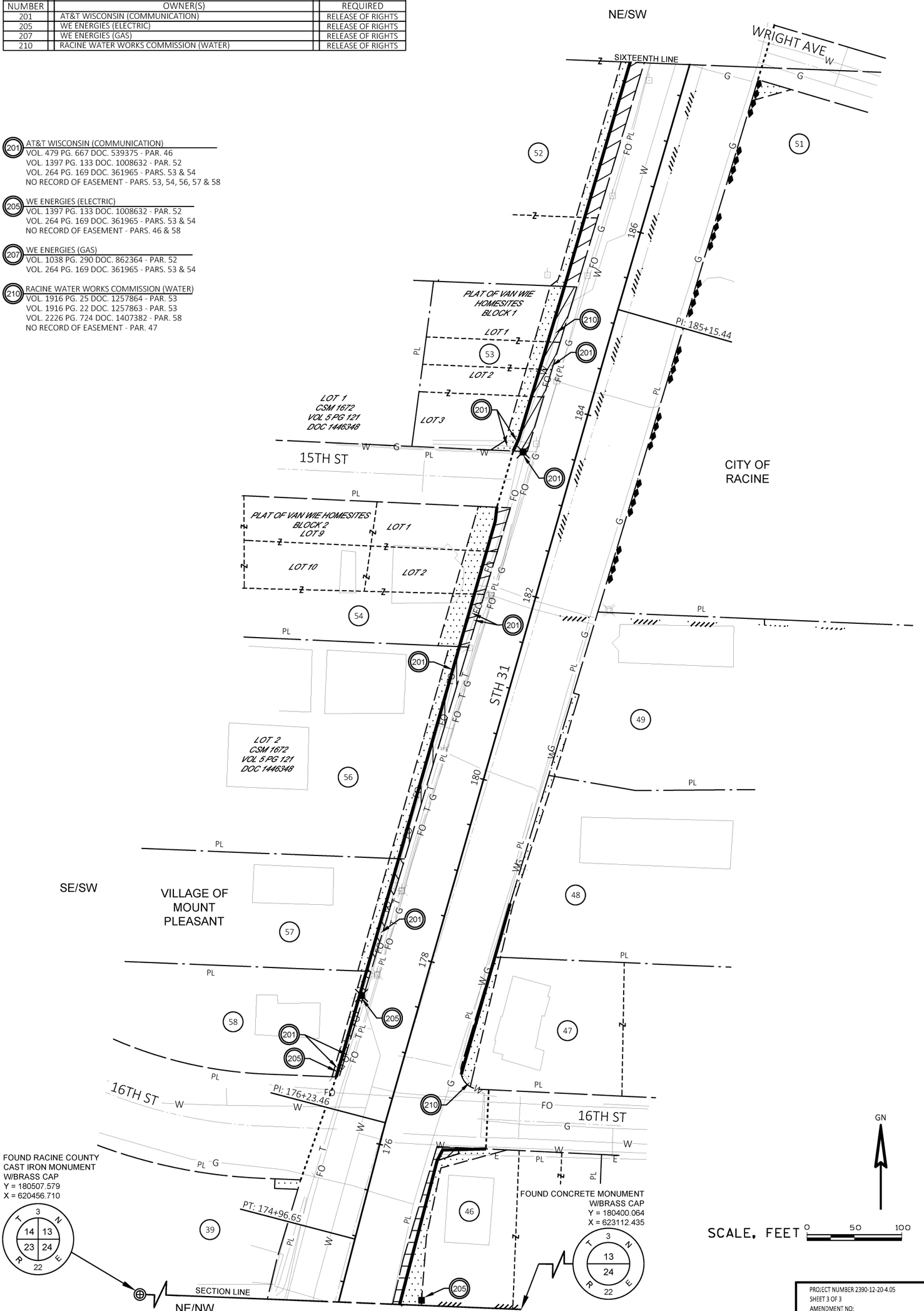
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 479 PG. 667 DOC. 539375 - PAR. 46
VOL. 1397 PG. 133 DOC. 1008632 - PAR. 52
VOL. 264 PG. 169 DOC. 361965 - PARS. 53 & 54
NO RECORD OF EASEMENT - PARS. 53, 54, 56, 57 & 58

(205) WE ENERGIES (ELECTRIC)
VOL. 1397 PG. 133 DOC. 1008632 - PAR. 52
VOL. 264 PG. 169 DOC. 361965 - PARS. 53 & 54
NO RECORD OF EASEMENT - PARS. 46 & 58

(207) WE ENERGIES (GAS)
VOL. 1038 PG. 290 DOC. 862364 - PAR. 52
VOL. 264 PG. 169 DOC. 361965 - PARS. 53 & 54

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 1916 PG. 25 DOC. 1257864 - PAR. 53
VOL. 1916 PG. 22 DOC. 1257863 - PAR. 53
VOL. 2226 PG. 724 DOC. 1407382 - PAR. 58
NO RECORD OF EASEMENT - PAR. 47



PROJECT NUMBER 2390-12-20-4.05
SHEET 3 OF 3
AMENDMENT NO:___

2390-12-20-4.05
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : Drew Nelson
PLOT DATE : 3/14/2024 1:04 PM
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.06 AMENDMENT NO: 1

AMENDMENT ADDS UTILITY NUMBER 203 TO TRANSPORTATION PROJECT PLAT NO. 2390-12-20-4.06 RECORDED AS DOCUMENT NUMBER 2673971.

THOSE PARTS OF PARCEL B OF CSM 1480, LOTS 1 AND 2 OF CSM 3206, LOT 2 OF CSM 3295, LOT 2 OF CSM 3173, IN AND INCLUDING THAT PART OF THE NE1/4 OF THE SW1/4; ALSO, THAT PART OF LOT 2 OF CSM 3206, IN THE NW1/4 OF THE SE1/4; ALSO, THAT PART OF THE SW1/4 OF THE NE1/4; ALL IN SECTION 13, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, RACINE COUNTY, WISCONSIN. ALSO, THAT PART OF THE NE1/4 OF THE SW1/4 OF SECTION 13, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SEE SHEET 2 OF 3 FOR INFORMATION AND TIES TO THE N1/4 CORNER & THE S1/4 CORNER OF SECTION 13.

Document # 2677845
RACINE COUNTY REGISTER OF DEEDS
June 03, 2024 7:39 AM
KARE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000025249
Pages: 3

719

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.06
SHEET 1 OF 3
AMENDMENT NO: 1

FOUND D.O.T. CONCRETE MONUMENT W/BRASS CAP Y = 183146.457 X = 620438.768

FOUND D.O.T. CONCRETE MONUMENT W/ALUMINUM CAP Y = 183041.627 X = 623082.790

FOUND CAST IRON MONUMENT W/BRASS CAP Y = 182937.411 X = 625708.779

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 31 HAS BEEN ESTABLISHED FROM R/W PLAT 2440-01-20, R/W PLAT 2390-09-20, CSM 3206, DOC. 746431, DOC. 796863 & DOC. 1787154.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

LOCATION SKETCH NOT TO SCALE

SHEET LOCATION

CURVE 4	CURVE 5
PI STA = 192+38.56	PI STA = 195+31.37
Y = 182177.629	Y = 182450.870
X = 622698.503	X = 622803.901
DELTA = 4°45'31" RT	DELTA = 3°12'22" LT
D = 5°30'33"	D = 5°30'33"
T = 43.21'	T = 29.10'
L = 86.37'	L = 58.19'
R = 1040.00'	R = 1040.00'
PC STA = 191+95.34	PC STA = 195+02.27
Y = 182136.161	Y = 182423.716
X = 622686.349	X = 622793.427
PT STA = 192+81.72	PT STA = 195+60.46
Y = 182217.946	Y = 182478.567
X = 622714.054	X = 622812.841

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	PROJECT 2390-09-20	120'	2016
STH 31	PROJECT 2440-01-20	100' & 120'	2002
STH 31	PROJECT 2390-03-22	120'	1995
STH 31	PROJECT 2390-01-21	100' & 110'	1975
STH 20/ WASHINGTON AVE	PROJECT 2390-09-20	VARIES	2016
STH 20/ WASHINGTON AVE	PROJECT 2440-01-20	VARIES	2002
STH 20/ WASHINGTON AVE	PROJECT 2390-03-22	VARIES	1995
WRIGHT AVE	PROJECT 2390-01-21	60'	1975

REFER TO THE TITLE SHEET. RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
52	CASE EQUIPMENT CORPORATION, A DELAWARE CORPORATION	FEE/TLE	7087	---	7087	---	7826
59	KIMISSIS TIS THEOTOKOU	FEE/TLE	1488	---	1488	---	3440
61	RACINE SHOPPING CENTRE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	130	---	130	---	435
62	NH LAKEVILLE LLC, A MINNESOTA LIMITED LIABILITY COMPANY	FEE/PLE/TLE	4725	---	4725	94	5381
63	SCM PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	1298	---	1298	---	512
64	THE ROAD REAL ESTATE, LLC, A KANSAS LIMITED LIABILITY COMPANY	FEE/TLE	2182	---	2182	---	1712
66	REALTY INCOME CORPORATION, A MARYLAND CORPORATIOIN	FEE/TLE	1289	---	1289	---	924
67	WAL-MART REAL ESTATE BUSINESS TRUST, A DELAWARE STATUTORY TRUST	FEE/TLE	1091	---	1091	---	2850
68	RACINE PROFESSIONAL CENTER, LLP, A WISCONSIN LIMITED LIABILITY PARTNERSHIP	FEE/TLE	4012	---	4012	---	3219
69	I1320 MANAGEMENT LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	4857	---	4857	---	2071
72	W/S AIRWAVES LTD. N/K/A FASTRACK INC.	TLE	---	---	---	---	222

emcs.llc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 5/29/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

SIGNATURE: Robert L Duffeck DATE: 05/29/24
PRINT NAME: Robert L. Duffeck

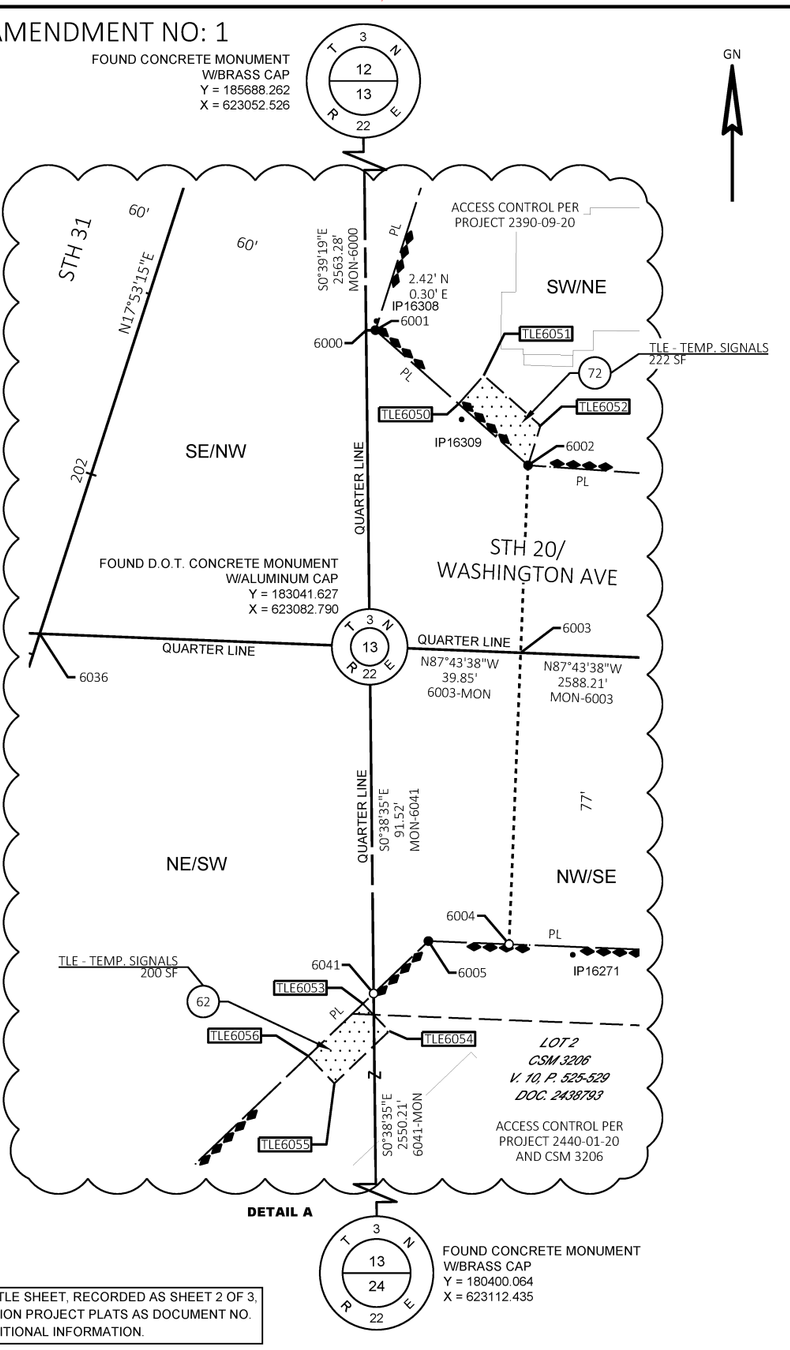
2390-12-20-4.06 A1
PLOT SCALE : 1 IN:50 FT
PLOT NAME :
PLOT BY : admin
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FILE NAME : Y:\52XX\5231_DP STH31 RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024

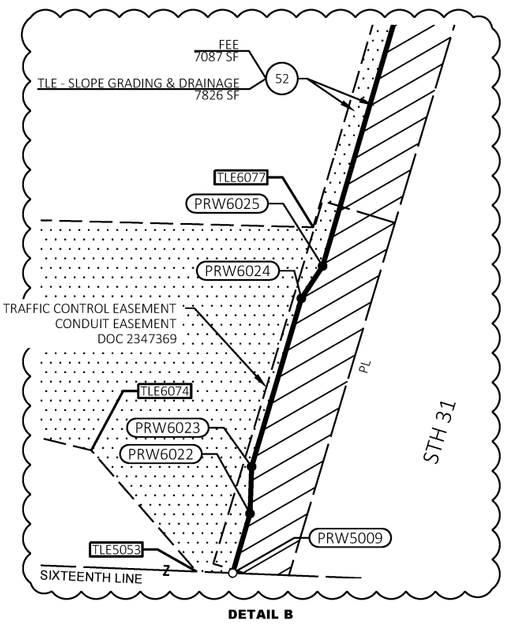
COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

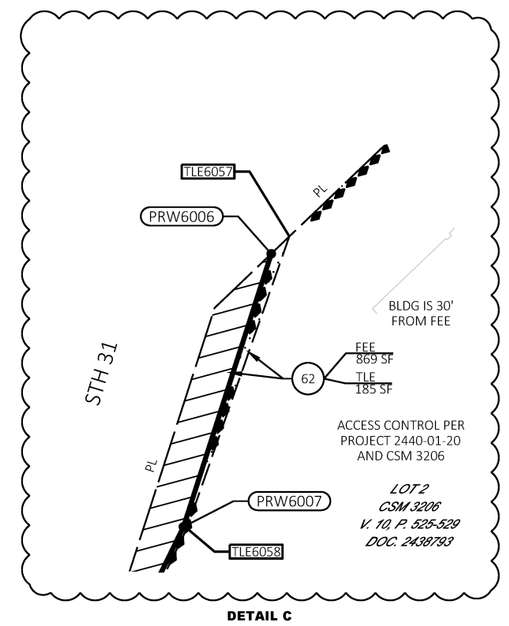
TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.06 AMENDMENT NO: 1
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.







REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW6011-PRW6012
LCB=S19°29'25"W
LCH=61.71'
L=61.72'
R=1103.00'

PRW6014-PRW6015
LCB=S18°09'41"W
LCH=61.97'
L=61.98'
R=972.00'

PRW6026-PRW6027
LCB=N18°08'31"E
LCH=69.44'
L=69.45'
R=1101.00'

PRW6027-PRW6028
LCB=N20°34'09"E
LCH=242.55'
L=242.56'
R=9037.00'

PRW6028-PRW6029
LCB=N19°29'25"E
LCH=54.66'
L=54.67'
R=977.00'

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16270	182956.934	623207.487	CHISELED 'X'
IP16271	182960.304	623136.366	CHISELED 'X'
IP16273	182282.185	622804.000	1.25" O.D. IRON PIPE
IP16298	182159.033	622658.201	1.25" O.D. IRON PIPE
IP16299	182927.165	622904.945	0.75" IRON ROD
IP16300	182964.539	622880.008	0.75" IRON ROD (BENT)
IP16301	182987.200	622633.128	1.25" O.D. IRON PIPE
IP16308	183127.600	623084.581	0.75" IRON ROD W/CAP
IP16309	183101.627	623107.059	0.75" IRON ROD (BENT)

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW6037-PRW6040	S21° 05' 36"W	14.97'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW5009	187+69.30	61.00'
5010	187+84.55	0.00'
5012	188+02.97	73.63'
6000	202+58.41	57.40'
6001	202+59.19	59.72'
6002	202+37.65	109.00'
6003	201+89.94	122.34'
6004	201+15.78	143.06'
6005	201+10.05	122.56'
PRW6006	200+12.51	69.84'
PRW6007	199+36.79	69.92'
PRW6008	198+66.71	60.00'
PRW6009	197+26.70	60.00'
PRW6010	196+58.69	63.00'
PRW6011	195+60.46	63.00'
PRW6012	195+02.27	63.00'
PRW6013	193+96.78	63.00'
PRW6014	192+61.66	68.00'
PRW6015	191+95.34	68.00'
PRW6016	188+60.05	68.00'
6017	188+49.59	73.96'
PRW6022	187+85.61	61.00'
PRW6023	187+97.65	64.11'
PRW6024	188+43.95	63.98'
PRW6025	188+53.71	61.00'
PRW6026	191+95.34	61.00'
PRW6027	192+60.95	61.00'
PRW6028	195+02.27	63.00'
PRW6029	195+60.46	63.00'
PRW6030	196+84.44	63.00'
PRW6031	196+97.20	66.17'
PRW6032	197+37.73	66.13'
PRW6033	197+55.37	63.00'
PRW6034	200+19.86	63.00'
6035	201+29.57	93.67'
6036	201+55.75	0.00'
PRW6037	194+15.14	63.00'
PRW6038	194+14.78	56.61'
PRW6039	193+98.30	57.53'
PRW6040	194+00.17	63.00'
6041	200+92.45	113.04'
CEN. SEC. 13	201+79.22	83.96'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE5053	187+66.99	70.24'
TLE6050	202+47.44	86.59'
TLE6051	202+56.61	90.60'
TLE6052	202+48.60	108.92'
TLE6053	200+89.01	111.19'
TLE6054	200+84.26	119.99'
TLE6055	200+66.67	110.48'
TLE6056	200+71.42	101.68'
TLE6057	200+18.33	72.99'
TLE6058	199+36.72	70.92'
TLE6059	198+66.71	61.00'
TLE6060	198+10.98	61.00'
TLE6061	197+76.57	61.00'
TLE6062	197+77.15	78.26'
TLE6063	197+26.91	81.46'
TLE6064	197+24.30	70.42'
TLE6065	195+62.34	81.92'
TLE6066	195+02.27	71.00'
TLE6067	194+23.75	78.73'
TLE6068	193+81.03	81.27'
TLE6069	192+28.37	79.58'
TLE6070	192+18.11	72.88'
TLE6071	189+25.33	70.26'
TLE6072	188+55.25	70.74'
TLE6074	187+89.87	105.91'
TLE6075	187+88.27	141.51'
TLE6076	188+39.90	152.78'
TLE6077	188+62.86	66.28'
TLE6078	191+24.16	66.08'
TLE6079	192+10.33	71.64'
TLE6080	192+11.00	83.04'
TLE6081	192+58.48	81.58'
TLE6082	192+58.26	67.94'
TLE6083	193+91.52	68.32'
TLE6084	193+95.41	76.82'
TLE6085	194+66.85	100.92'
TLE6086	194+76.90	71.10'
TLE6087	195+80.85	67.87'
TLE6088	196+69.29	67.18'
TLE6089	196+78.66	71.23'
TLE6090	196+75.64	102.39'
TLE6091	197+45.64	109.19'
TLE6092	197+49.74	66.87'
TLE6093	198+13.91	75.26'
TLE6094	200+13.29	68.78'
TLE6095	200+24.13	103.20'
TLE6096	200+31.76	100.79'

COURSE TABLE		
COURSE	BEARING	DISTANCE
6000-6001	N89° 20' 41"E	2.45'
6001-6002	S48° 30' 14"E	53.79'
6002-6003	S02° 16' 22"W	49.53'
6003-6004	S02° 16' 22"W	77.00'
6004-6005	N87° 43' 38"W	21.29'
6005-6041	S46° 16' 36"W	20.02'
6041-PRW6006	S46° 16' 36"W	90.86'
PRW6006-PRW6007	S17° 49' 36"W	75.73'
PRW6007-PRW6008	S25° 56' 48"W	70.77'
PRW6008-PRW6009	S17° 53' 15"W	140.01'
PRW6009-PRW6010	S15° 21' 42"W	68.08'
PRW6010-PRW6011	S17° 53' 15"W	98.23'
PRW6011-PRW6012	SEE CURVE DATA	
PRW6012-PRW6037	S21° 05' 36"W	87.13'
PRW6037-PRW6038	N72° 06' 46"W	6.40'
PRW6038-PRW6039	S17° 53' 14"W	16.50'
PRW6039-PRW6040	S87° 43' 38"E	5.78'
PRW6040-PRW6013	S21° 05' 36"W	3.39'
PRW6013-PRW6014	S18° 52' 34"W	133.91'
PRW6014-PRW6015	SEE CURVE DATA	
PRW6015-PRW6016	S16° 20' 05"W	335.30'
PRW6016-6017	S13° 20' 54"E	12.03'
6017-5012	S16° 44' 30"W	46.63'
5012-5010	N87° 42' 20"W	75.90'
5010-PRW5009	N87° 42' 20"W	62.88'
PRW5009-PRW6022	N16° 20' 05"E	16.31'
PRW6022-PRW6023	N01° 51' 50"E	12.43'
PRW6023-PRW6024	N16° 29' 24"E	46.30'
PRW6024-PRW6025	N33° 18' 14"E	10.21'
PRW6025-PRW6026	N16° 20' 05"E	341.63'
PRW6026-PRW6027	SEE CURVE DATA	
PRW6027-PRW6028	SEE CURVE DATA	
PRW6028-PRW6029	SEE CURVE DATA	
PRW6029-PRW6030	N17° 53' 15"E	123.98'
PRW6030-PRW6031	N03° 56' 50"E	13.15'
PRW6031-PRW6032	N17° 56' 49"E	40.53'
PRW6032-PRW6033	N27° 56' 23"E	17.91'
PRW6033-PRW6034	N17° 53' 15"E	264.49'
PRW6034-6035	N02° 16' 14"E	113.91'
6035-6036	S87° 43' 46"E	97.26'
6036-CEN. SEC. 13	S87° 43' 46"E	87.18'
CEN. SEC. 13-6000	N00° 39' 19"W	83.53'

PROJECT NUMBER 2390-12-20-4.06
SHEET 2 OF 3
AMENDMENT NO: 1

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024
PLOT DATE : 4/15/2024 3:02 PM
PLOT BY : admin
PLOT NAME :
PLOT SCALE : ##########

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.06 AMENDMENT NO: 1
UTILITY SHEET

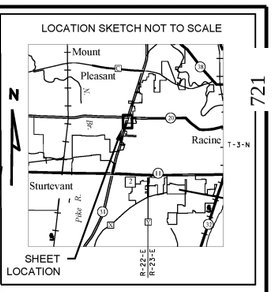
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN

SCALE, FEET 0 50 100

LOCATION SKETCH NOT TO SCALE



FOUND D.O.T. CONCRETE MONUMENT W/BRASS CAP Y = 183146.457 X = 620438.768

FOUND D.O.T. CONCRETE MONUMENT W/ALUMINUM CAP Y = 183041.627 X = 623082.790

FOUND CAST IRON MONUMENT W/BRASS CAP Y = 182937.411 X = 625708.779

SW/NE

SE/NW

NW/SE

NE/SW

SE/SW

QUARTER LINE

STH 20/WASHINGTON AVE

STH 31

SIXTEENTH LINE

WRIGHT AVE

VILLAGE OF MOUNT PLEASANT

CITY OF RACINE

LOT 2 CSM 3206 V. 10, P. 525-529 DOC. 2438793

PARCEL B CSM 1460 V. 4, P. 568 DOC. 1315531

LOT 1 CSM 3206 V. 10, P. 525-529 DOC. 2438793

LOT 2 CSM 3295 V. 10, P. 878-882 DOC. 2495476

PARCEL 2 CSM 1256 V. 3, P. 659-661 DOC. 1236708

LOT 2 CSM 3173 V. 10, P. 384-389 DOC. 2418130

LOT 4 CSM 3173 V. 10, P. 384-389 DOC. 2418130

PT: 195+60.46

PC: 195+02.27

PC: 191+95.34

PT: 192+81.72

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 2921 PG. 799 DOC. 1686543 - PAR. 59
NO RECORD OF EASEMENT - PARS. 52, 64, 66, 67, 68 & 69

(203) PAETEC COMMUNICATIONS (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 52

(205) WE ENERGIES (ELECTRIC)
VOL. 1261 PG. 331 DOC. 954898 - PAR. 59
DOC. 2401783 - PAR. 62
DOC. 2620689 - PAR. 68
DOC. 2620687 - PAR. 69
NO RECORD OF EASEMENT - PARS. 62, 63 & 64

(207) WE ENERGIES (GAS)
VOL. 1297 PG. 171-172 DOC. 1264008 - PAR. 61
NO RECORD OF EASEMENT - PARS. 59, 62 & 63

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 1251 PG. 167 DOC. 950808 - PAR. 64
VOL. 1261 PG. 488 DOC. 955001 - PAR. 66
VOL. 1242 PG. 3 DOC. 947165 - PAR. 67
VOL. 1242 PG. 5 DOC. 947166 - PAR. 68
VOL. 953 PG. 256 DOC. 825992 - PAR. 69
VOL. 1029 PG. 375 DOC. 858673 - PAR. 69
VOL. 1340 PG. 321 DOC. 985425 - PAR. 69

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	PAETEC COMMUNICATIONS (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

PROJECT NUMBER 2390-12-20-4.06
SHEET 3 OF 3
AMENDMENT NO: 1

FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 04/15/2024
PLOT DATE : 4/15/2024 3:02 PM
PLOT BY : admin
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
2390-12-20-4.06 A1

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.06

THOSE PARTS OF PARCEL B OF CSM 1480, LOTS 1 AND 2 OF CSM 3206, LOT 2 OF CSM 3295, LOT 2 OF CSM 3173, IN AND INCLUDING THAT PART OF THE NE1/4 OF THE SW1/4; ALSO, THAT PART OF LOT 2 OF CSM 3206, IN THE NW1/4 OF THE SE1/4; ALSO, THAT PART OF THE SW1/4 OF THE NE1/4; ALL IN SECTION 13, TOWNSHIP 3 NORTH, RANGE 22 EAST, VILLAGE OF MOUNT PLEASANT, RACINE COUNTY, WISCONSIN. ALSO, THAT PART OF THE NE1/4 OF THE SW1/4 OF SECTION 13, TOWNSHIP 3 NORTH, RANGE 22 EAST, CITY OF RACINE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SEE SHEET 2 OF 3 FOR INFORMATION AND TIES TO THE N1/4 CORNER & THE S1/4 CORNER OF SECTION 13.

Document # 2673971
RACINE COUNTY REGISTER OF DEEDS
April 01, 2024 12:42 PM
Kristi Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-0000025249
Pages: 3

722

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2390-12-20-4.06
SHEET 1 OF 3
AMENDMENT NO:___

NOTES:

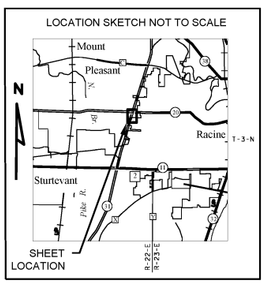
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 31 HAS BEEN ESTABLISHED FROM R/W PLAT 2440-01-20, R/W PLAT 2390-09-20, CSM 3206, DOC. 746431, DOC. 796863 & DOC. 1787154.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA, WI.

LOCATION SKETCH NOT TO SCALE



FOUND D.O.T. CONCRETE MONUMENT W/BRASS CAP Y = 183146.457 X = 620438.768

FOUND D.O.T. CONCRETE MONUMENT W/ALUMINUM CAP Y = 183041.627 X = 623082.790

FOUND CAST IRON MONUMENT W/BRASS CAP Y = 182937.411 X = 625708.779

S87°43'46"E 2461.67' MON-6035

N87°43'38"W 2588.21' MON-6003

N17°53'15"E

N21°05'36"E

N16°20'05"E

CURVE 4
PI STA = 192+38.56
Y = 182177.629
X = 622698.503
DELTA = 4°45'31" RT
D = 5°30'33"
T = 43.21'
L = 86.37'
R = 1040.00'
PC STA = 191+95.34
Y = 182136.161
X = 622686.349
PT STA = 192+81.72
Y = 182217.946
X = 622714.054

CURVE 5
PI STA = 195+31.37
Y = 182450.870
X = 622803.901
DELTA = 3°12'22" LT
D = 5°30'33"
T = 29.10'
L = 58.19'
R = 1040.00'
PC STA = 195+02.27
PT STA = 195+60.46
Y = 182423.716
X = 622793.427
PT STA = 195+60.46
Y = 182478.567
X = 622812.841

SCALE, FEET 0 50 100

GN

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 31	PROJECT 2390-09-20	120'	2016
STH 31	PROJECT 2440-01-20	100' & 120'	2002
STH 31	PROJECT 2390-03-22	120'	1995
STH 31	PROJECT 2390-01-21	100' & 110'	1975
STH 20/ WASHINGTON AVE	PROJECT 2390-09-20	VARIES	2016
STH 20/ WASHINGTON AVE	PROJECT 2440-01-20	VARIES	2002
STH 20/ WASHINGTON AVE	PROJECT 2390-03-22	VARIES	1995
WRIGHT AVE	PROJECT 2390-01-21	60'	1975

REFER TO THE TITLE SHEET. RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

SEE SHEET 3 OF 3 FOR UTILITIES

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	PLE SQ FT	TLE SQ FT
52	CASE EQUIPMENT CORPORATION, A DELAWARE CORPORATION	FEE/TLE	7087	---	7087	---	7826
59	KIMISSIS TIS THEOTOKOU	FEE/TLE	1488	---	1488	---	3440
61	RACINE SHOPPING CENTRE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	130	---	130	---	435
62	NH LAKEVILLE LLC, A MINNESOTA LIMITED LIABILITY COMPANY	FEE/PLE/TLE	4725	---	4725	94	5381
63	SCM PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	1298	---	1298	---	512
64	THE ROAD REAL ESTATE, LLC, A KANSAS LIMITED LIABILITY COMPANY	FEE/TLE	2182	---	2182	---	1712
66	REALTY INCOME CORPORATION, A MARYLAND CORPORATIOIN	FEE/TLE	1289	---	1289	---	924
67	WAL-MART REAL ESTATE BUSINESS TRUST, A DELAWARE STATUTORY TRUST	FEE/TLE	1091	---	1091	---	2850
68	RACINE PROFESSIONAL CENTER, LLP, A WISCONSIN LIMITED LIABILITY PARTNERSHIP	FEE/TLE	4012	---	4012	---	3219
69	I1320 MANAGEMENT LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	4857	---	4857	---	2071
72	W/S AIRWAVES LTD. N/K/A FASTRACK INC.	TLE	---	---	---	---	222

emcs.llc

I, KEVIN C. BOYER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 3/28/2024
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 03/28/24
PRINT NAME: Robert L. Duffeck

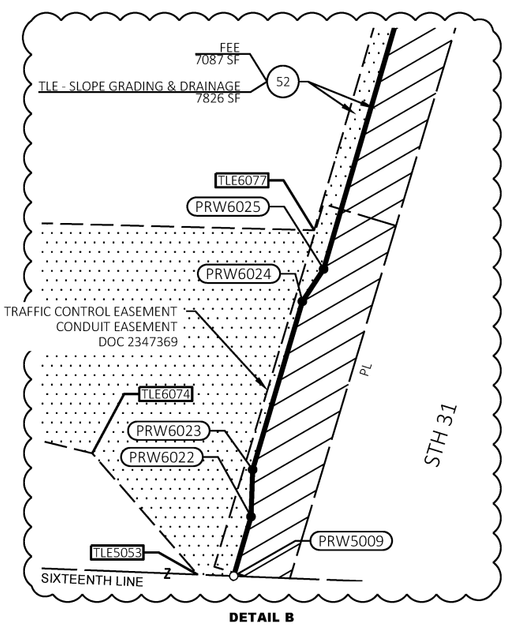
FILE NAME : Y:\S2XX\S231_DP_STH31_RCN\CADDS\2390120OSHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024
PLOT DATE : 3/28/2024 1:50 PM
PLOT BY : Michaela Galganski
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
2390-12-20-4.06

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

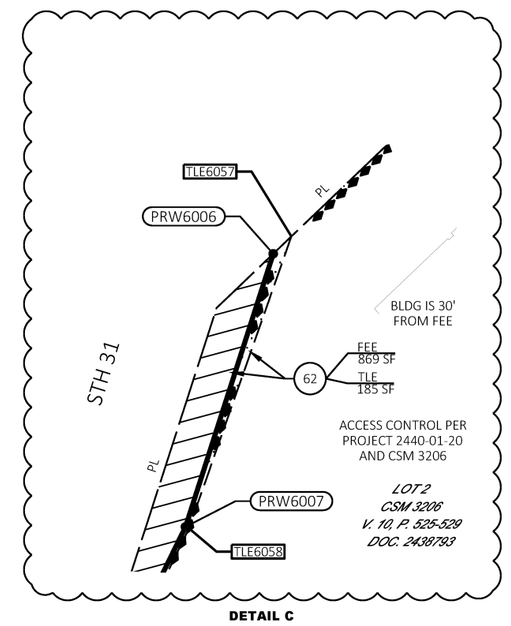
TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.06
EXTENSION SHEET

RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

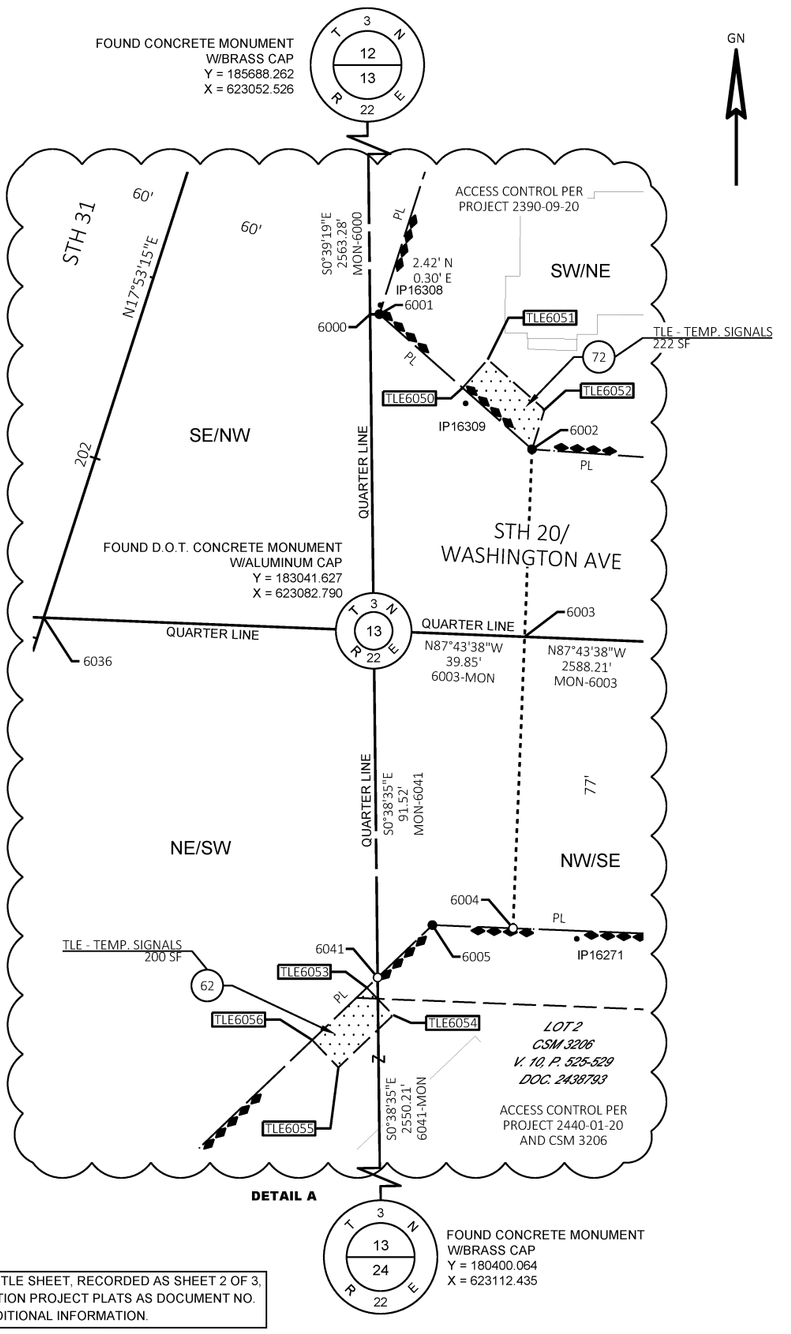
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.



DETAIL B



DETAIL C



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 3 OF 3 FOR UTILITIES

DETAILS ARE NOT TO SCALE

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

PRW6011-PRW6012
LCB=S19°29'25"W
LCH=61.71'
L=61.72'
R=1103.00'

PRW6014-PRW6015
LCB=S18°09'41"W
LCH=61.97'
L=61.98'
R=972.00'

PRW6026-PRW6027
LCB=N18°08'31"E
LCH=69.44'
L=69.45'
R=1101.00'

PRW6027-PRW6028
LCB=N20°34'09"E
LCH=242.55'
L=242.56'
R=9037.00'

PRW6028-PRW6029
LCB=N19°29'25"E
LCH=54.66'
L=54.67'
R=977.00'

EXISTING MONUMENTS			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP16270	182956.934	623207.487	CHISELED 'X'
IP16271	182960.304	623136.366	CHISELED 'X'
IP16273	182282.185	622804.000	1.25" O.D. IRON PIPE
IP16298	182159.033	622658.201	1.25" O.D. IRON PIPE
IP16299	182927.165	622904.945	0.75" IRON ROD
IP16300	182964.539	622880.008	0.75" IRON ROD (BENT)
IP16301	182987.200	622633.128	1.25" O.D. IRON PIPE
IP16308	183127.600	623084.581	0.75" IRON ROD W/CAP
IP16309	183101.627	623107.059	0.75" IRON ROD (BENT)

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW6037-PRW6040	S21° 05' 36"W	14.97'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW5009	187+69.30	61.00'
5010	187+84.55	0.00'
5012	188+02.97	73.63'
6000	202+58.41	57.40'
6001	202+59.19	59.72'
6002	202+37.65	109.00'
6003	201+89.94	122.34'
6004	201+15.78	143.06'
6005	201+10.05	122.56'
PRW6006	200+12.51	69.84'
PRW6007	199+36.79	69.92'
PRW6008	198+66.71	60.00'
PRW6009	197+26.70	60.00'
PRW6010	196+58.69	63.00'
PRW6011	195+60.46	63.00'
PRW6012	195+02.27	63.00'
PRW6013	193+96.78	63.00'
PRW6014	192+61.66	68.00'
PRW6015	191+95.34	68.00'
PRW6016	188+60.05	68.00'
6017	188+49.59	73.96'
PRW6022	187+85.61	61.00'
PRW6023	187+97.65	64.11'
PRW6024	188+43.95	63.98'
PRW6025	188+53.71	61.00'
PRW6026	191+95.34	61.00'
PRW6027	192+60.95	61.00'
PRW6028	195+02.27	63.00'
PRW6029	195+60.46	63.00'
PRW6030	196+84.44	63.00'
PRW6031	196+97.20	66.17'
PRW6032	197+37.73	66.13'
PRW6033	197+55.37	63.00'
PRW6034	200+19.86	63.00'
6035	201+29.57	93.67'
6036	201+55.75	0.00'
PRW6037	194+15.14	63.00'
PRW6038	194+14.78	56.61'
PRW6039	193+98.30	57.53'
PRW6040	194+00.17	63.00'
6041	200+92.45	113.04'
CEN. SEC. 13	201+79.22	83.96'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE5053	187+66.99	70.24'
TLE6050	202+47.44	86.59'
TLE6051	202+56.61	90.60'
TLE6052	202+48.60	108.92'
TLE6053	200+89.01	111.19'
TLE6054	200+84.26	119.99'
TLE6055	200+66.67	110.48'
TLE6056	200+71.42	101.68'
TLE6057	200+18.33	72.99'
TLE6058	199+36.72	70.92'
TLE6059	198+66.71	61.00'
TLE6060	198+10.98	61.00'
TLE6061	197+76.57	61.00'
TLE6062	197+77.15	78.26'
TLE6063	197+26.91	81.46'
TLE6064	197+24.30	70.42'
TLE6065	195+62.34	81.92'
TLE6066	195+02.27	71.00'
TLE6067	194+23.75	78.73'
TLE6068	193+81.03	81.27'
TLE6069	192+28.37	79.58'
TLE6070	192+18.11	72.88'
TLE6071	189+25.33	70.26'
TLE6072	188+55.25	70.74'
TLE6074	187+89.87	105.91'
TLE6075	187+88.27	141.51'
TLE6076	188+39.90	152.78'
TLE6077	188+62.86	66.28'
TLE6078	191+24.16	66.08'
TLE6079	192+10.33	71.64'
TLE6080	192+11.00	83.04'
TLE6081	192+58.48	81.58'
TLE6082	192+58.26	67.94'
TLE6083	193+91.52	68.32'
TLE6084	193+95.41	76.82'
TLE6085	194+66.85	100.92'
TLE6086	194+76.90	71.10'
TLE6087	195+80.85	67.87'
TLE6088	196+69.29	67.18'
TLE6089	196+78.66	71.23'
TLE6090	196+75.64	102.39'
TLE6091	197+45.64	109.19'
TLE6092	197+49.74	66.87'
TLE6093	198+13.91	75.26'
TLE6094	200+13.29	68.78'
TLE6095	200+24.13	103.20'
TLE6096	200+31.76	100.79'

COURSE TABLE		
COURSE	BEARING	DISTANCE
6000-6001	N89° 20' 41"E	2.45'
6001-6002	S48° 30' 14"E	53.79'
6002-6003	S02° 16' 22"W	49.53'
6003-6004	S02° 16' 22"W	77.00'
6004-6005	N87° 43' 38"W	21.29'
6005-6041	S46° 16' 36"W	20.02'
6041-PRW6006	S46° 16' 36"W	90.86'
PRW6006-PRW6007	S17° 49' 36"W	75.73'
PRW6007-PRW6008	S25° 56' 48"W	70.77'
PRW6008-PRW6009	S17° 53' 15"W	140.01'
PRW6009-PRW6010	S15° 21' 42"W	68.08'
PRW6010-PRW6011	S17° 53' 15"W	98.23'
PRW6011-PRW6012	SEE CURVE DATA	
PRW6012-PRW6037	S21° 05' 36"W	87.13'
PRW6037-PRW6038	N72° 06' 46"W	6.40'
PRW6038-PRW6039	S17° 53' 14"W	16.50'
PRW6039-PRW6040	S87° 43' 38"E	5.78'
PRW6040-PRW6013	S21° 05' 36"W	3.39'
PRW6013-PRW6014	S18° 52' 34"W	133.91'
PRW6014-PRW6015	SEE CURVE DATA	
PRW6015-PRW6016	S16° 20' 05"W	335.30'
PRW6016-6017	S13° 20' 54"E	12.03'
6017-5012	S16° 44' 30"W	46.63'
5012-5010	N87° 42' 20"W	75.90'
5010-PRW5009	N87° 42' 20"W	62.88'
PRW5009-PRW6022	N16° 20' 05"E	16.31'
PRW6022-PRW6023	N01° 51' 50"E	12.43'
PRW6023-PRW6024	N16° 29' 24"E	46.30'
PRW6024-PRW6025	N33° 18' 14"E	10.21'
PRW6025-PRW6026	N16° 20' 05"E	341.63'
PRW6026-PRW6027	SEE CURVE DATA	
PRW6027-PRW6028	SEE CURVE DATA	
PRW6028-PRW6029	SEE CURVE DATA	
PRW6029-PRW6030	N17° 53' 15"E	123.98'
PRW6030-PRW6031	N03° 56' 50"E	13.15'
PRW6031-PRW6032	N17° 56' 49"E	40.53'
PRW6032-PRW6033	N27° 56' 23"E	17.91'
PRW6033-PRW6034	N17° 53' 15"E	264.49'
PRW6034-6035	N02° 16' 14"E	113.91'
6035-6036	S87° 43' 46"E	97.26'
6036-CEN. SEC. 13	S87° 43' 46"E	87.18'
CEN. SEC. 13-6000	N00° 39' 19"W	83.53'

PROJECT NUMBER 2390-12-20-4.06
SHEET 2 OF 3
AMENDMENT NO:___

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024
PLOT DATE : 3/26/2024 2:55 PM
PLOT BY : Michaela Galganski
PLOT NAME :
PLOT SCALE : ##########
2390-12-20-4.06

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 2390-12-20-4.06
UTILITY SHEET

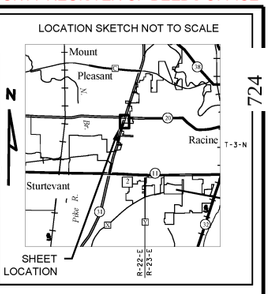
RELOCATION ORDER - STH 31, GREEN BAY RD, C RACINE/V MT PLEASANT (STH 11 TO STH 20), RACINE COUNTY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GN

SCALE, FEET 0 50 100

LOCATION SKETCH NOT TO SCALE



FOUND D.O.T. CONCRETE MONUMENT W/BRASS CAP
Y = 183146.457
X = 620438.768

FOUND D.O.T. CONCRETE MONUMENT W/ALUMINUM CAP
Y = 183041.627
X = 623082.790

FOUND CAST IRON MONUMENT W/BRASS CAP
Y = 182937.411
X = 625708.779

T 3 N R 22 E — 14 | 13
T 3 N R 22 E — 13
T 3 N R 22 E — 13 | 18

QUARTER LINE

SW/NE
SE/NW
NW/SE
NE/SW

STH 20/WASHINGTON AVE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 2669720 FOR ADDITIONAL INFORMATION.

SEE SHEET 2 OF 3 FOR TABLES, CURVE NOTES & DETAILS

(201) AT&T WISCONSIN (COMMUNICATION)
VOL. 2921 PG. 799 DOC. 1686543 - PAR. 59
NO RECORD OF EASEMENT - PARS. 52, 64, 66, 67, 68 & 69

(205) WE ENERGIES (ELECTRIC)
VOL. 1261 PG. 331 DOC. 954898 - PAR. 59
DOC. 2401783 - PAR. 62
DOC. 2620689 - PAR. 68
DOC. 2620687 - PAR. 69
NO RECORD OF EASEMENT - PARS. 62, 63 & 64

(207) WE ENERGIES (GAS)
VOL. 1297 PG. 171-172 DOC. 1264008 - PAR. 61
NO RECORD OF EASEMENT - PARS. 59, 62 & 63

(210) RACINE WATER WORKS COMMISSION (WATER)
VOL. 1251 PG. 167 DOC. 950808 - PAR. 64
VOL. 1261 PG. 488 DOC. 955001 - PAR. 66
VOL. 1242 PG. 3 DOC. 947165 - PAR. 67
VOL. 1242 PG. 5 DOC. 947166 - PAR. 68
VOL. 953 PG. 256 DOC. 825992 - PAR. 69
VOL. 1029 PG. 375 DOC. 858673 - PAR. 69
VOL. 1340 PG. 321 DOC. 985425 - PAR. 69

PARCEL B
CSM 1460
V. 4, P. 568
DOC. 1315531

LOT 2
CSM 3206
V. 10, P. 525-529
DOC. 2438793

LOT 1
CSM 3206
V. 10, P. 525-529
DOC. 2438793

LOT 2
CSM 3285
V. 10, P. 878-882
DOC. 2495476

PARCEL 2
CSM 1256
V. 3, P. 658-661
DOC. 1236708

LOT 2
CSM 3173
V. 10, P. 384-389
DOC. 2418130

LOT 4
CSM 3173
V. 10, P. 384-389
DOC. 2418130

VILLAGE OF MOUNT PLEASANT

CITY OF RACINE

STH 31

PT: 195+60.46
PC: 195+02.27
PC: 191+95.34
PT: 192+81.72

SIXTEENTH LINE

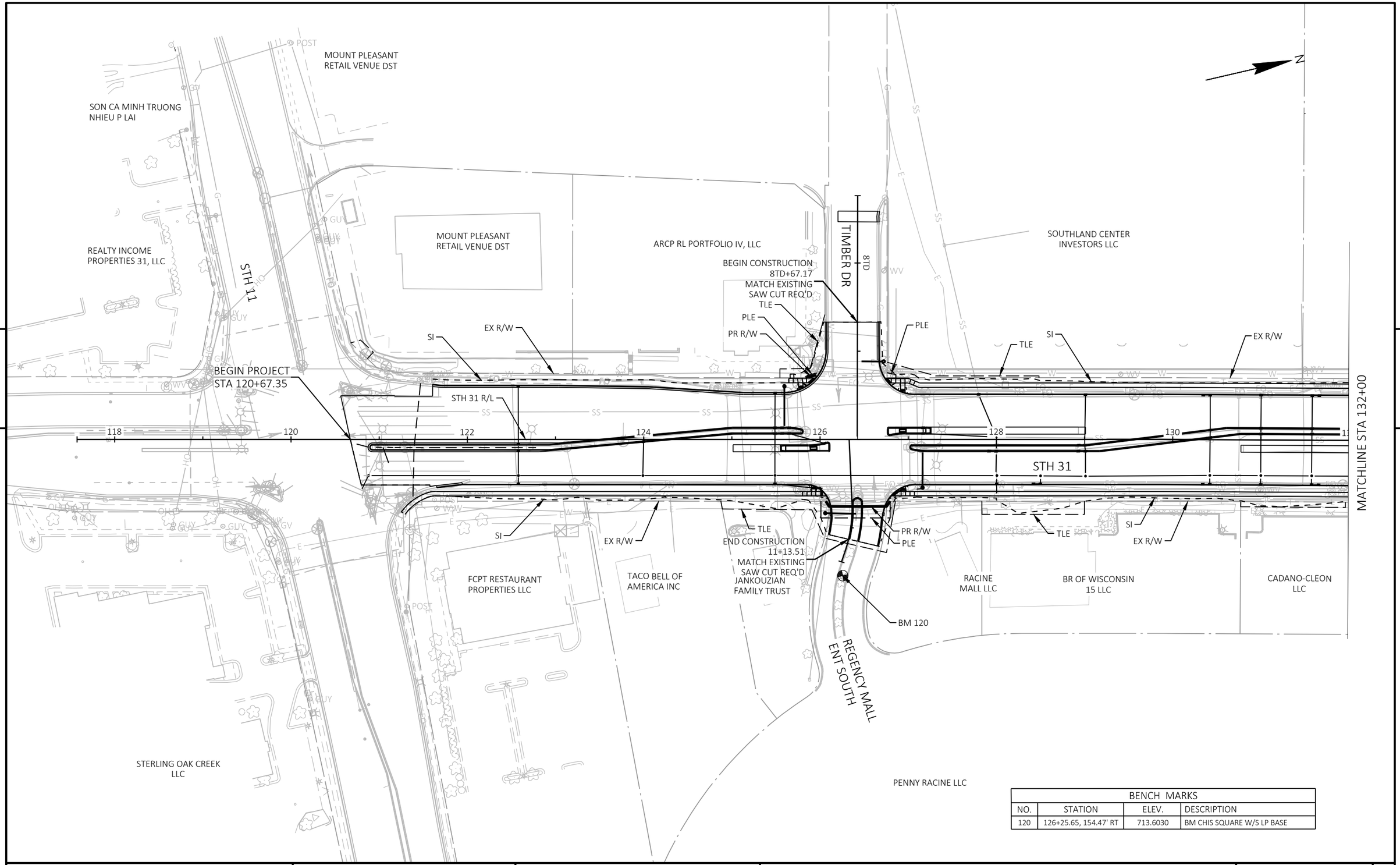
WRIGHT AVE

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
205	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
207	WE ENERGIES (GAS)	RELEASE OF RIGHTS
210	RACINE WATER WORKS COMMISSION (WATER)	RELEASE OF RIGHTS

PROJECT NUMBER 2390-12-20-4.06
SHEET 3 OF 3
AMENDMENT NO:___

2390-12-20-4.06
724
PLOT SCALE : 1 IN:50 FT
PLOT NAME : Michaela Galganski
PLOT BY : 3/26/2024 2:57 PM
PLOT DATE :
PLOT DATE :
FILE NAME : Y:\52XX\5231_DP_STH31_RCN\CADDS\23901200\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 01/22/2024



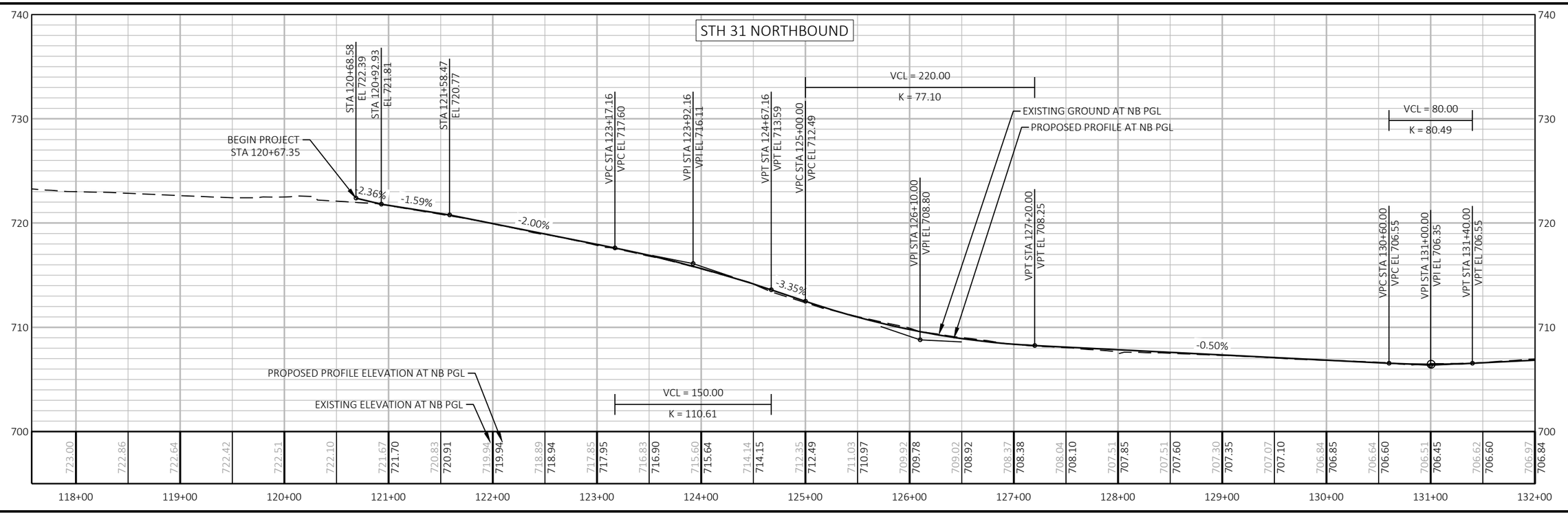
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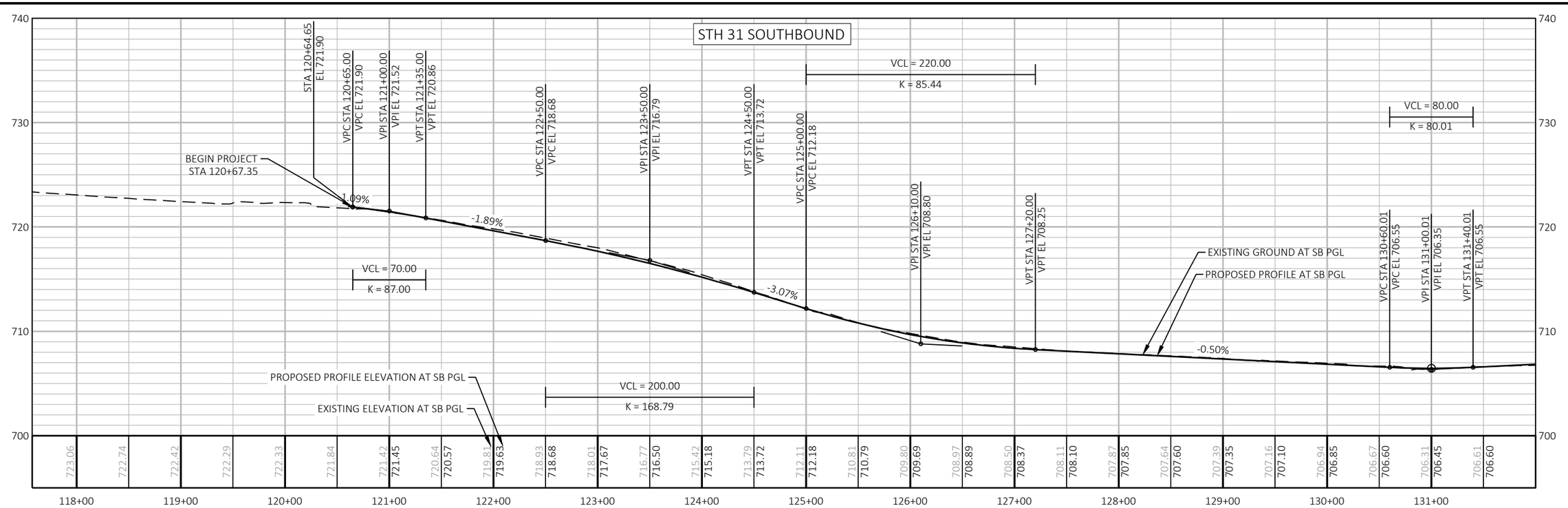
5

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
120	126+25.65, 154.47' RT	713.6030	BM CHIS SQUARE W/S LP BASE

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN AND PROFILE - STH 31	SHEET 725	E

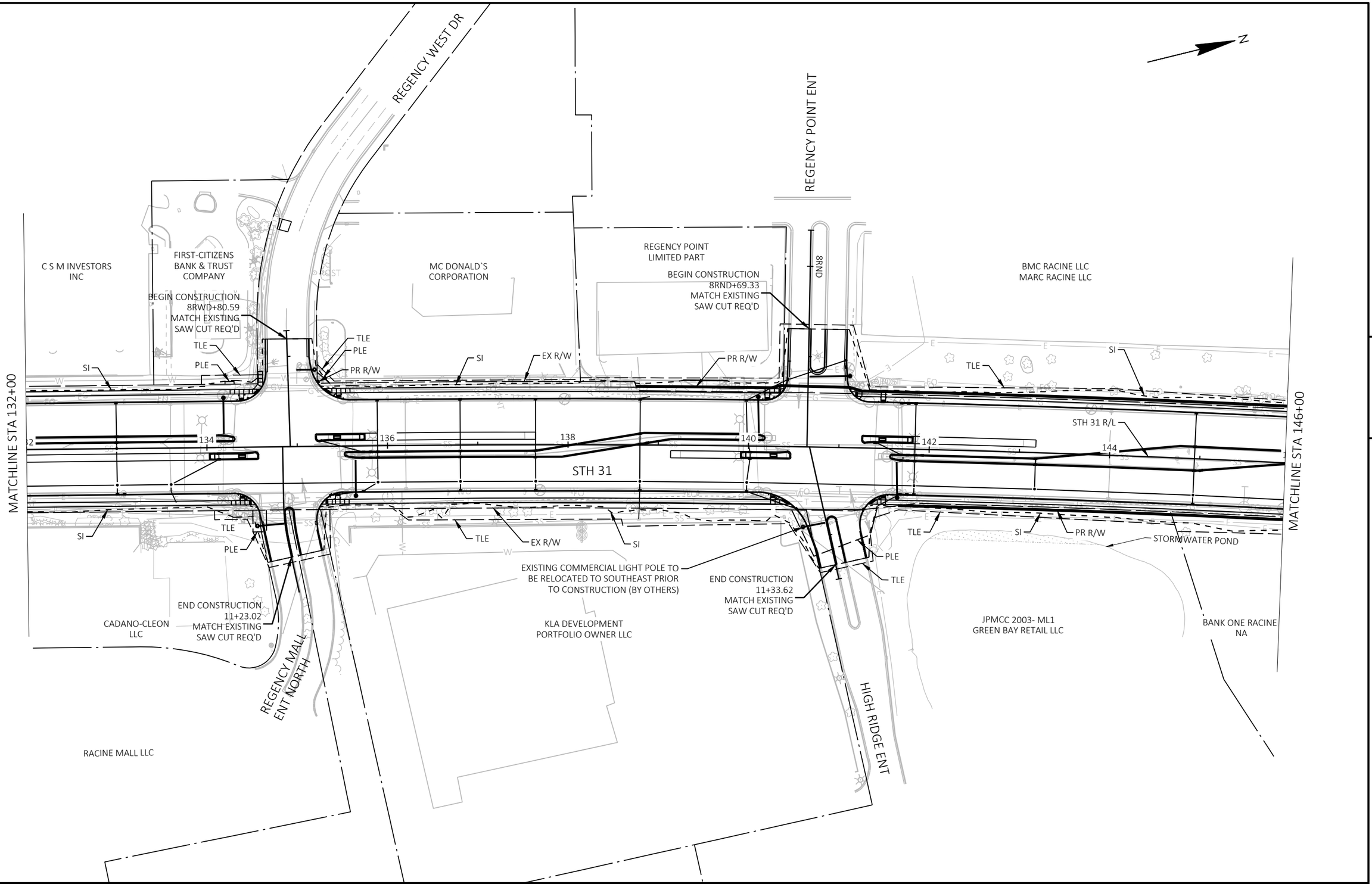
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 1-plan
PLOT DATE : 7/28/2025 1:56 PM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PROFILE - STH 31	SHEET 726 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 1-prof
PLOT DATE : 7/28/2025 1:56 PM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

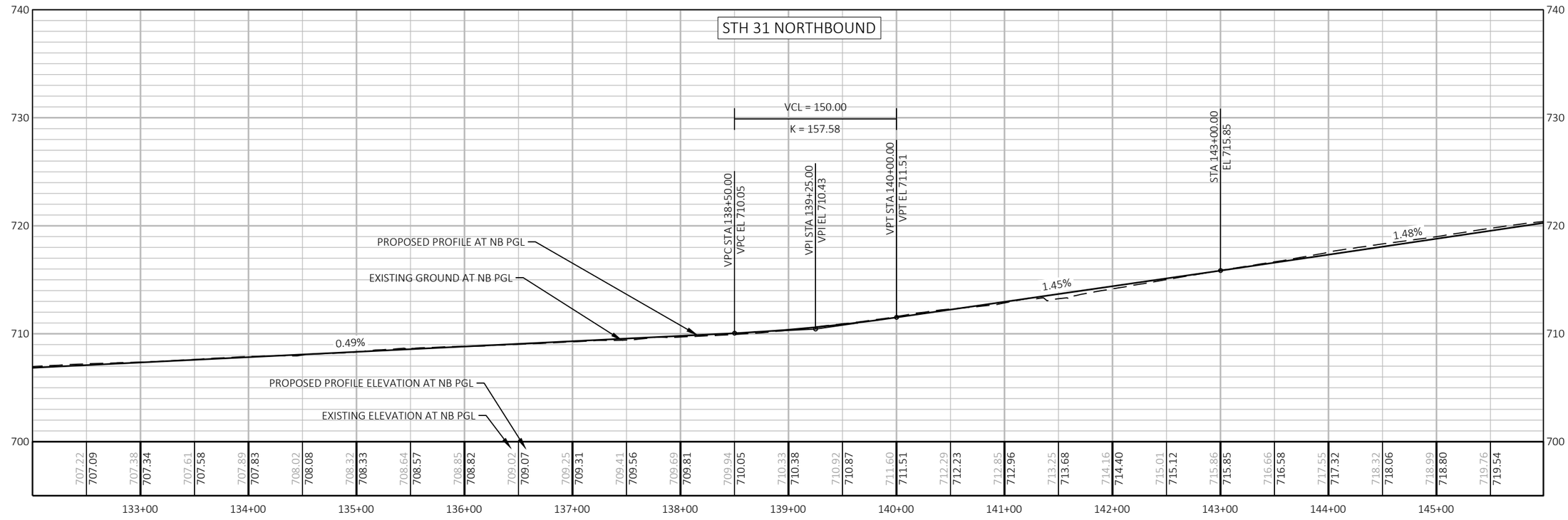


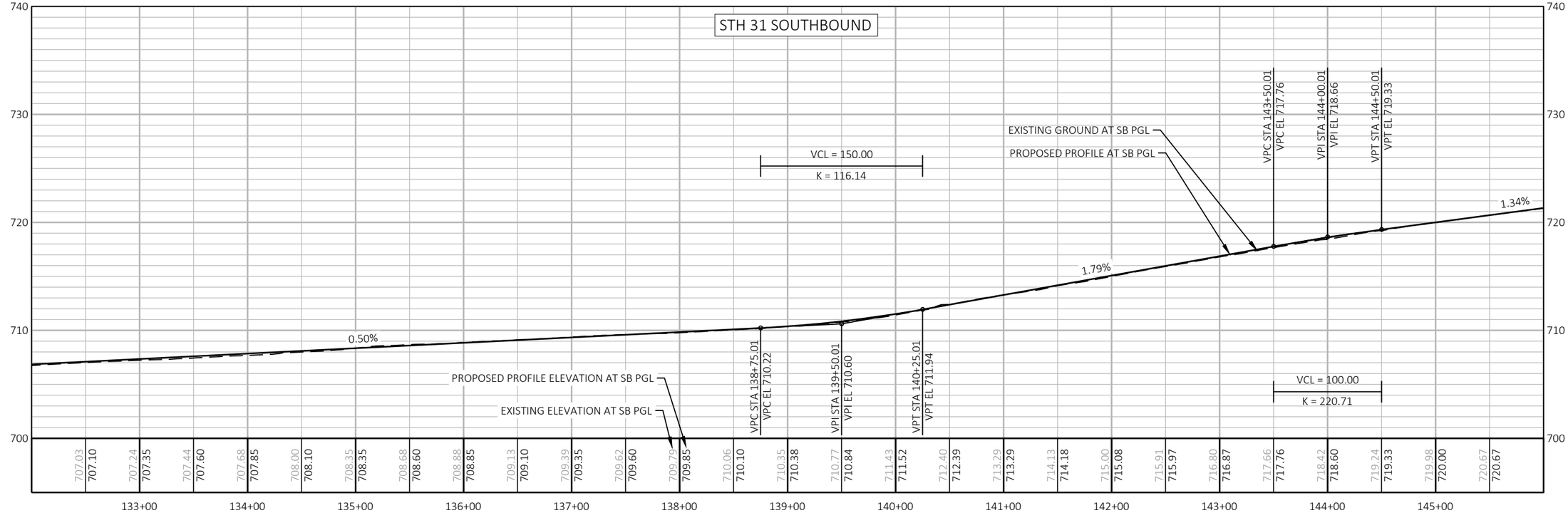
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN AND PROFILE - STH 31	SHEET 727	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 2-plan

PLOT DATE : 7/28/2025 1:57 PM PLOT BY : GABRIELLE RITTERBUSH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PROFILE - STH 31	SHEET 728 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 2-prof
PLOT DATE : 7/28/2025 1:57 PM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
124	148+32.63, 75.07' LT	726.3850	BM CHIS CROSS NE BOLT E LEG SIGN

*SEE PROFILE FOR TEMPORARY CONNECTION AFTER YEAR 1 ON STH 31 SOUTHBOUND

STA 159+75.00
YEAR 1 CONSTRUCTION* | YEAR 2 CONSTRUCTION*

21ST ST

JOANNE DR

MARGERY DR

STH 31

MATCHLINE STA 146+00

MATCHLINE STA 160+00

BEGIN CONSTRUCTION 8TS+72.74
MATCH EXISTING STA CUT REQ'D

BMC RACINE LLC
MARC RACINE LLC

SPEEDWAY SUPERAMERICA LLC

SEKAO INC C/O MITRA MIDWEST OPERATIONS, LLC

SLS INVESTMENTS L P

SCHORSCH TRUST THEODORE J

BEGIN CONSTRUCTION 9MD+10.91
MATCHED EXISTING SAW CUT REQ'D

SCHORSCH TRUST THEODORE J

BEGIN CONSTRUCTION 9JD+10.81
MATCH EXISTING SAW CUT REQ'D

PR R/W

EXISTING COMMERCIAL SIGN TO BE RELOCATED TO NORTH PRIOR TO CONSTRUCTION (BY OTHERS)

GRADE AROUND EXISTING LIGHT POLE BASE

EX R/W

TLE

BM 124

STH 31 R/L

PLE

SI

RACINE - STURTEVANT TRAIL

END CONSTRUCTION 11+40.51
MATCH EXISTING SAW CUT REQ'D

BANK ONE RACINE NA

TIME WARNER CABLE MIDWEST LLC

WEP COMPANY

GREAT LAKES COMMUNITY

RAMON O VAZQUEZ

EDWARD J DECHANT

KATHLEEN EASTMAN

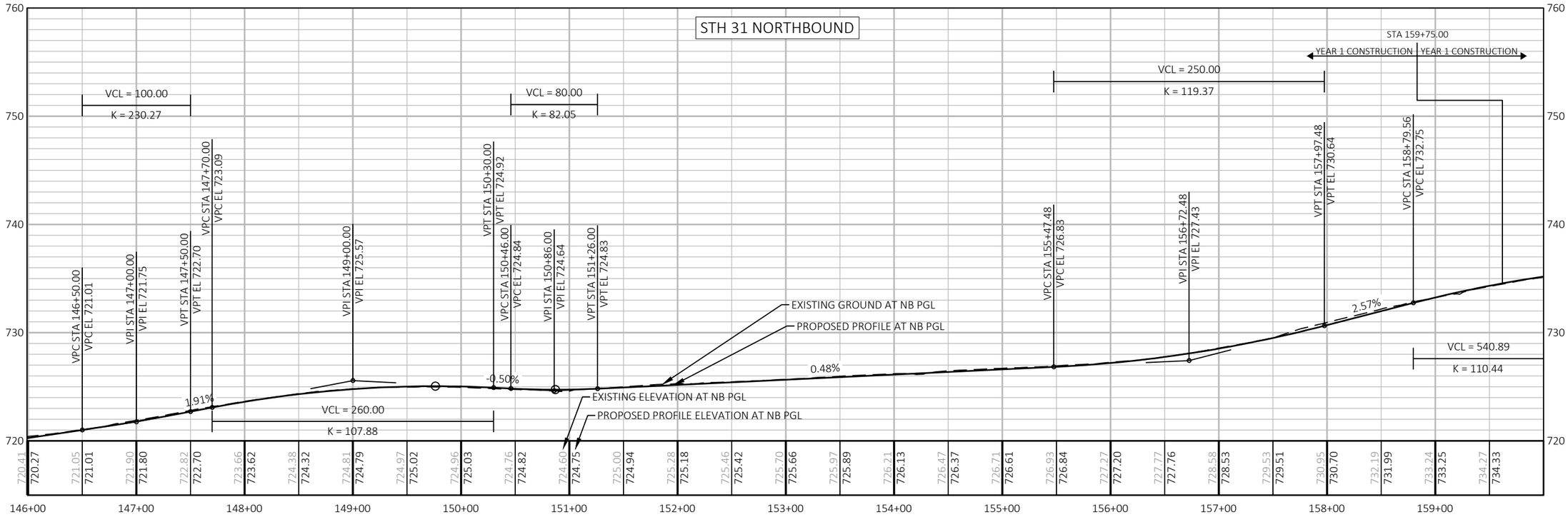
PATRICIA A LUDEMAM

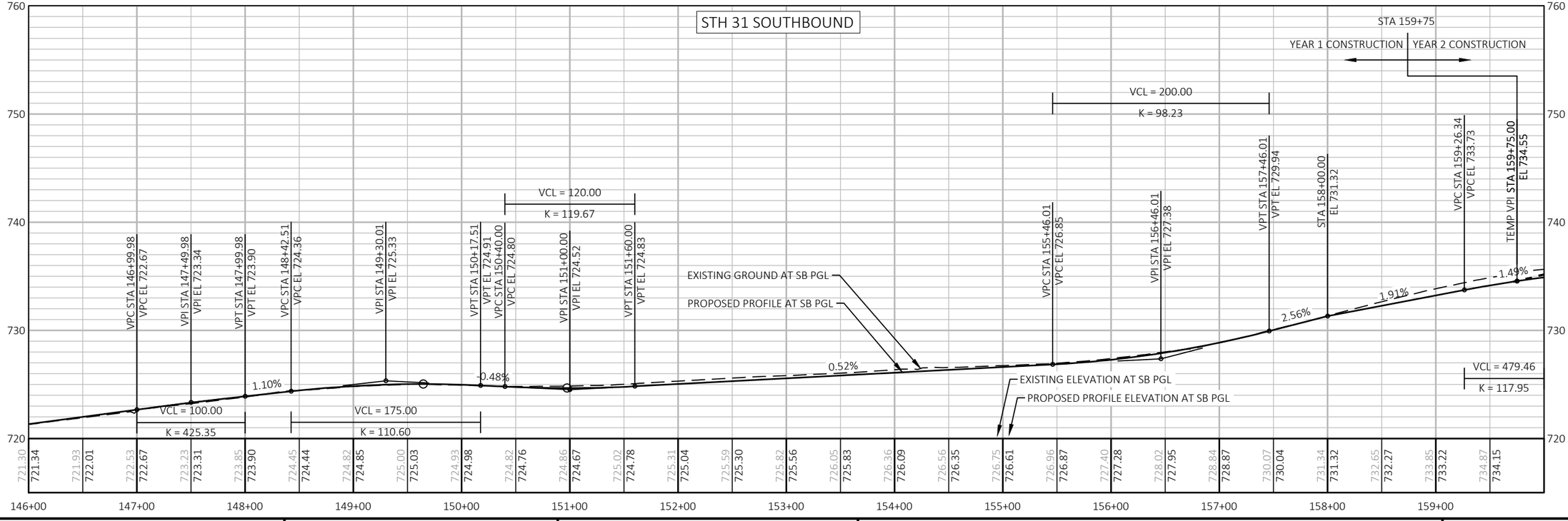
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN AND PROFILE - STH 31	SHEET 729	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 3-plan

PLOT DATE : 7/28/2025 1:57 PM PLOT BY : GABRIELLE RITTERBUSH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PROFILE - STH 31	SHEET 730 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 3-prof
PLOT DATE : 7/28/2025 1:57 PM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

5

N

JANEE L TOMLIN

WEYKER TRUST THOMAS H & MAYE

STEVEN M & LYNN A VANDERHEYDEN REVOCABLE TRUST

GREENLEAF BLVD

SUNSET BLVD

LINCOLN VILLAGE DR

HEATHER J ROADES

EDWARD R BARTOSZUK

MARK J GRANT

JEFFREY A KOWALCZUK

MT PLEASANT EVANGELICAL LUTHERAN CHURCH

BEGIN CONSTRUCTION 9GB+12.00 MATCH EXISTING SAW CUT REQ'D

8GB

BEGIN CONSTRUCTION 8SB+96.09 MATCH EXISTING SAW CUT REQ'D

BEGIN CONSTRUCTION 9LVD+04.03 MATCH EXISTING SAW CUT REQ'D

8LVD

CHURCH MT PLEASANT EV LUTHERAN

CHURCH MT PLEASANT EV LUTHERAN

BRX HWY 31 LLC

PAUL T TABILI

CATHERINE S CANNESTRA

JANEE L TOMLIN

KEVIN L STEWART

WETLAND

WETLAND

BM 125

TLE

PR R/W

EX R/W

PR R/W

TLE

EX R/W

TLE

SI

TLE

MATCHLINE STA 160+00

MATCHLINE STA 175+00

STH 31 R/L

162

164

166

168

170

172

174

STH 31

PR R/W

EX R/W

TLE

END CONSTRUCTION 10CC+78.21 MATCH EXISTING SAW CUT REQ'D

TLE

EX R/W

PR R/W

METZ MEDICAL INC

PR R/W

TLE

SI

EX R/W

EDWARD F PALIATKA DBA ORCHARD SPRINGS 2

MORNING TRUE LLC

ORCHARD SPRINGS APARTMENTS INC

EDWARD F PALIATKA

12CC

CASTLE CT

BYRD AVE

VILLA AT LINCOLN PARK REALTY LLC

END CONSTRUCTION 11BA+06.10 MATCH EXISTING SAW CUT REQ'D

KNOELL PROPERTIES LLC

FUTURE WISCONSIN RACINE LLC

BENCH MARKS

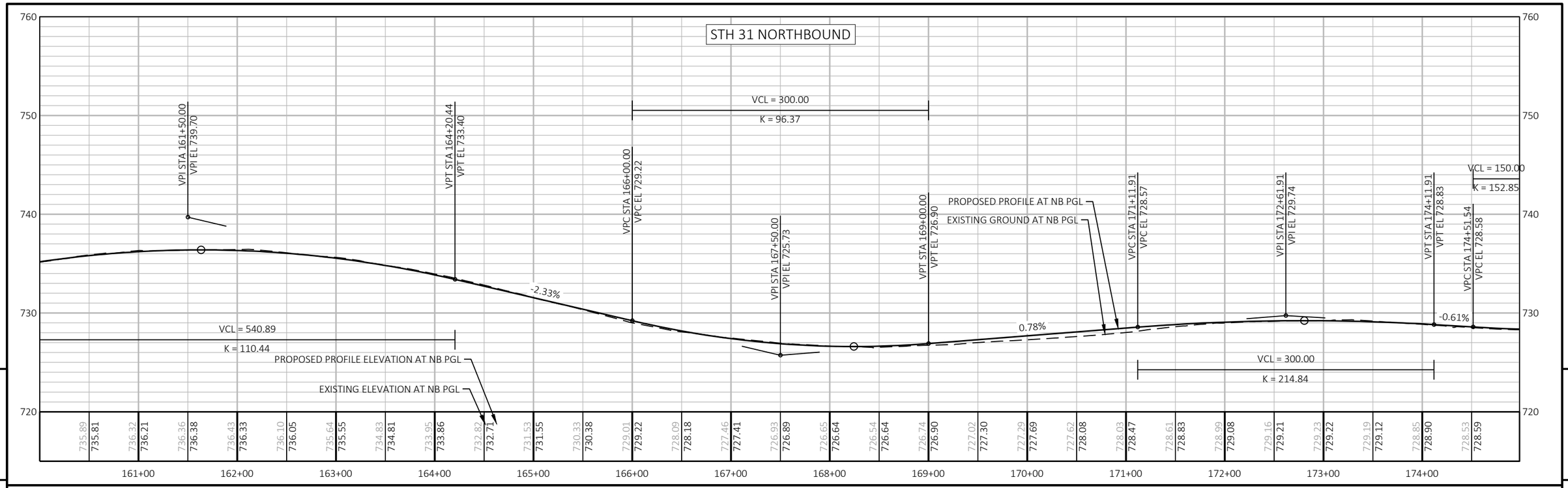
NO.	STATION	ELEV.	DESCRIPTION
125	160+63.03, 63.90' LT	738.4530	BM CHIS SQUARE SE COR FO CABINET

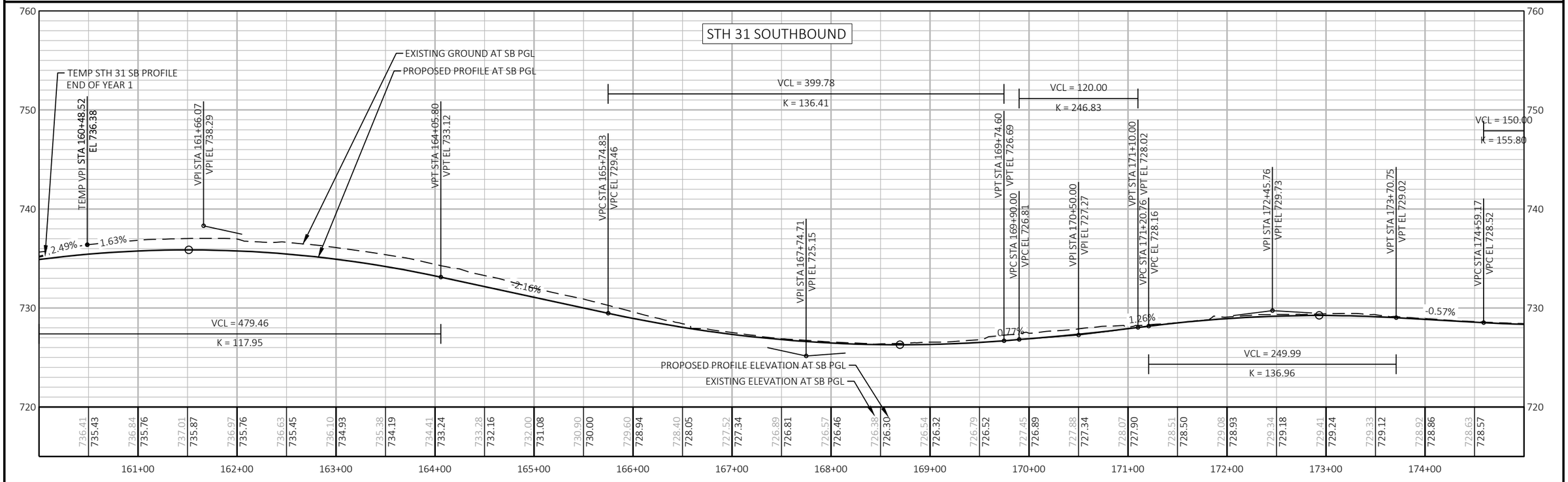
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN AND PROFILE - STH 31	SHEET 731	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 4-plan

PLOT DATE : 7/28/2025 1:58 PM PLOT BY : GABRIELLE RITTERBUSH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PROFILE - STH 31	SHEET 732	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 4-prof

PLOT DATE : 7/28/2025 1:58 PM PLOT BY : GABRIELLE RITTERBUSH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

MATCHLINE STA 175+00

16TH ST

BEGIN CONSTRUCTION
70SS+37.33
MATCH EXISTING
SAW CUT REQ'D

MDLTAL LLC

PR R/W

HORIZON BLVD SOUTH (DWY)

STORMWATER POND

WI LAKESHORE CO INC

EXISTING COMMERCIAL SIGN TO BE RELOCATED TO WEST PRIOR TO CONSTRUCTION (BY OTHERS)

SI

BEGIN CONSTRUCTION
8HB+70.00
MATCH EXISTING
SAW CUT REQ'D

WALNUT TREE LLC

15TH ST/HORIZON BLVD NORTH

8HB

TLE

WALNUT TREE LLC

STH 31 R/L

CASE EQUIPMENT CORP

BEGIN CONSTRUCTION
0+23.30
MATCH EXISTING
SAW CUT REQ'D

EXISTING COMMERCIAL LIGHT POLES TO BE RELOCATED TO WEST PRIOR TO CONSTRUCTION (BY OTHERS)

CNH DRIVEWAY

N

PR R/W

EX R/W

CASE EQUIPMENT CORP

EXISTING COMMERCIAL SIGN TO BE RELOCATED TO WEST PRIOR TO CONSTRUCTION (BY OTHERS)

176 178 180 182 184 186 188

BM 126

STH 31

10WA

TLE

PR R/W

TLE

PR R/W

TLE

EX R/W

SI

TLE

PR R/W

TLE

LAWERENCE E PERFETTO

SHOREWEST REALTORS INC

ASPEN APTS, LLC

BOBO SIERRA LLC

FELLOWSHIP BAPTIST CHURCH

BM 127

LAWERENCE E PERFETTO

12

FRANCES A BARNES

SHOREWEST REALTORS INC

KIMISSIS TIS THEOTOKOU CHURCH

END CONSTRUCTION
11+24.24
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
10WA+76.54
MATCH EXISTING
SAW CUT REQ'D

16TH ST

WRIGHT AVE

MATCHLINE STA 190+00

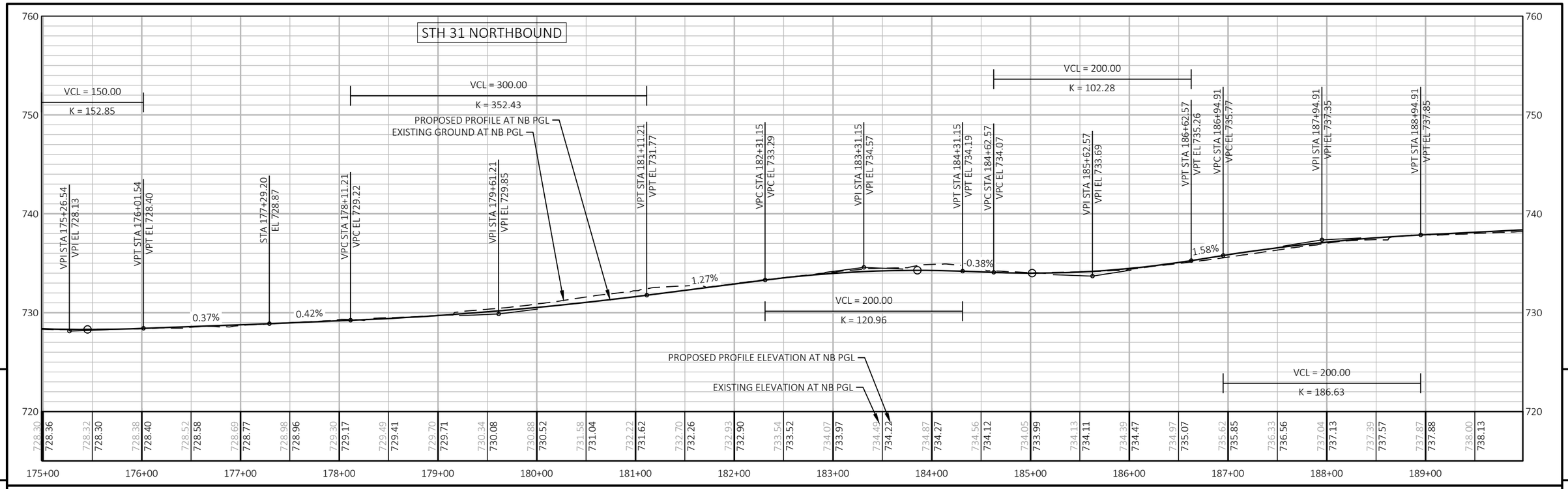
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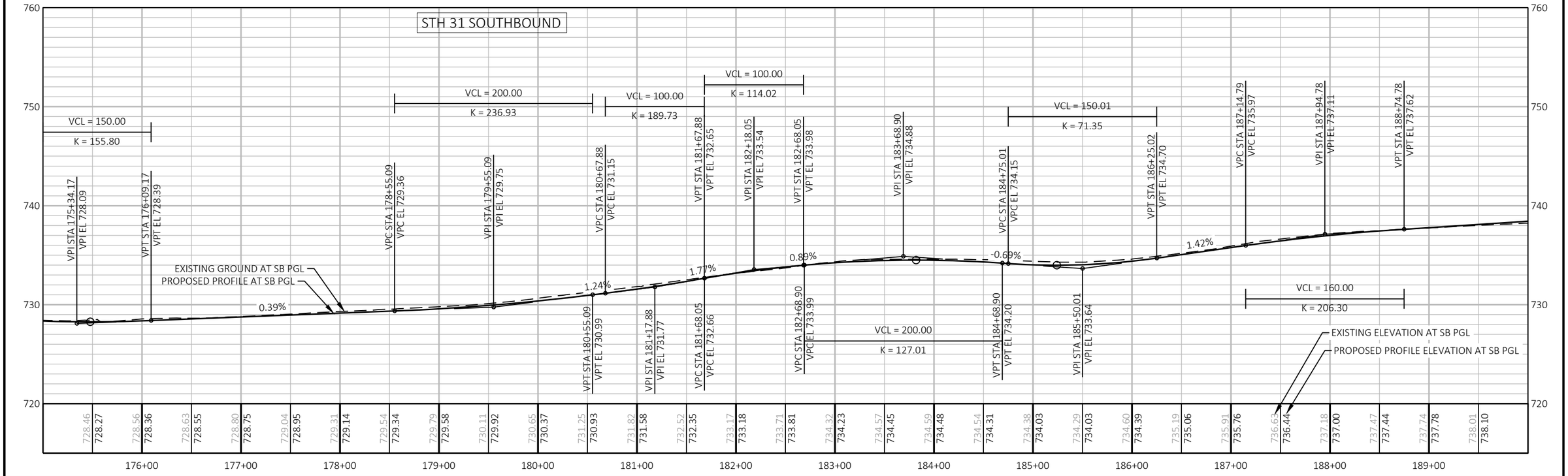
BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
126	175+87.14, 78.51' RT	731.3500	BM CHIS SQUARE NW COR BLDG ON WATER TABLE
127	186+58.10, 185.05' RT	734.8310	BM CHIS SQUARE NW COR PATIO AT NW COR CHURCH

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN AND PROFILE - STH 31	SHEET 733	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 5-plan
PLOT DATE : 7/28/2025 1:58 PM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PROFILE - STH 31	SHEET 734 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 5-prof
PLOT DATE : 7/28/2025 1:58 PM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
128	197+84.75, 74.58' LT	738.7980	BM CHIS SQUARE SE COR OF CONC WALMART SIGN BASE

MATCHLINE STA 190+00

EXISTING COMMERCIAL LIGHT POLES TO BE RELOCATED TO WEST PRIOR TO CONSTRUCTION (BY OTHERS); CONTRACTOR TO GRADE AROUND NEW POLE BASES

EXISTING COMMERCIAL SIGN TO BE RELOCATED TO WEST PRIOR TO CONSTRUCTION (BY OTHERS)

EXISTING COMMERCIAL SIGN TO BE RELOCATED TO WEST PRIOR TO CONSTRUCTION (BY OTHERS)

AREA 2: STA 199+00 TO STA 200+94.93
PVOC-CONTAMINATED SOIL FROM 4' BGS TO MAX EXCAVATION DEPTH
APPROX. 33 CY (56 TONS)

AREA 1: STA 198+50 TO STA 199+00
PVOC-CONTAMINATED SOIL FROM 1' BGS TO 6' BGS
APPROX. 445 CY (757 TONS)

LIGHT POLE TO REMAIN; CONTRACTOR TO WORK AROUND

END PROJECT
STA 200+94.93

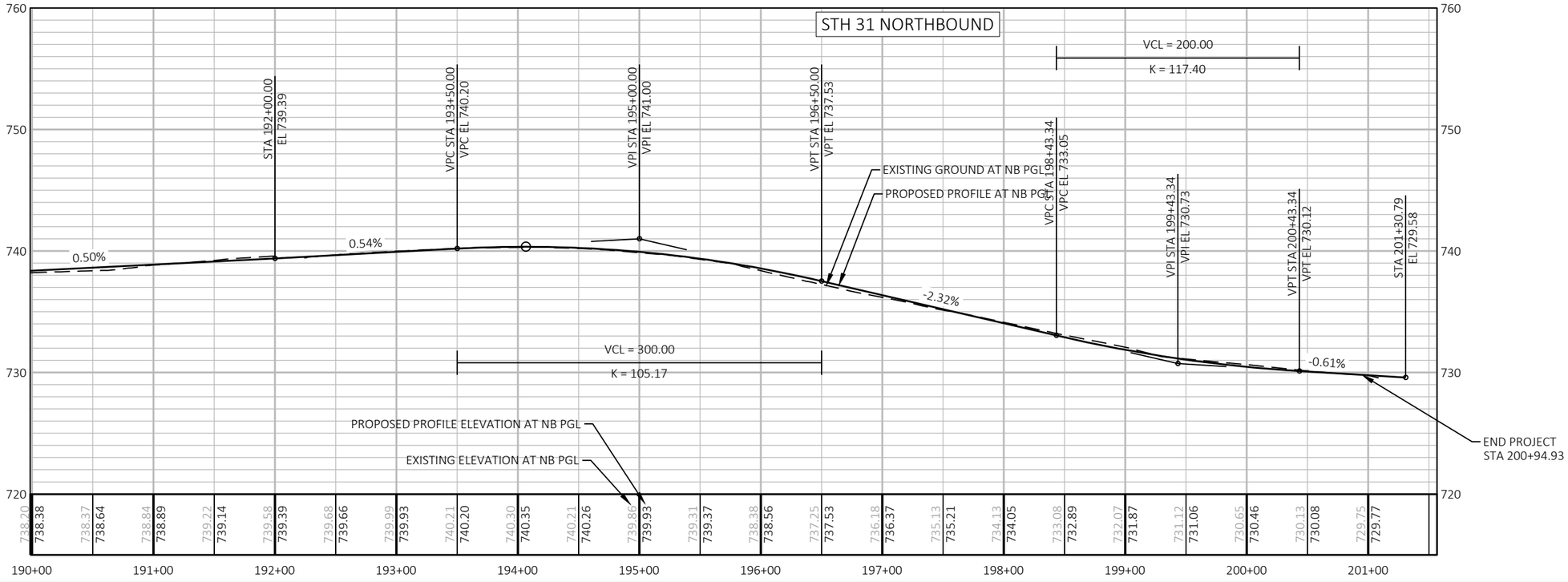
CASE EQUIPMENT CORP
ODONT LLC
RACINE PROFESSIONAL CEN
REALTY INCOME CORPORATION
AMERICAN BUILDING LLC
THE ROAD REALESTATE LLC
SUN PRAIRIE REAL ESTATE PARTNERS, LLC
PINEKENSTEIN
E PINEKENSTEIN TRUST 12.5% K A PINEKENSTEIN SCHULTZ 12.5%
PINEKENSTEIN JR TRUST ETAL B & G REALTY
KIMISSIS TIS THEOTOKOU CHURCH
B & K ENTERPRISES INC
HOFF & WITCRAFT
AKA FASTRACK INC
KIWILAND LLC
W C APPLETON DEVELOPMENTS LLC

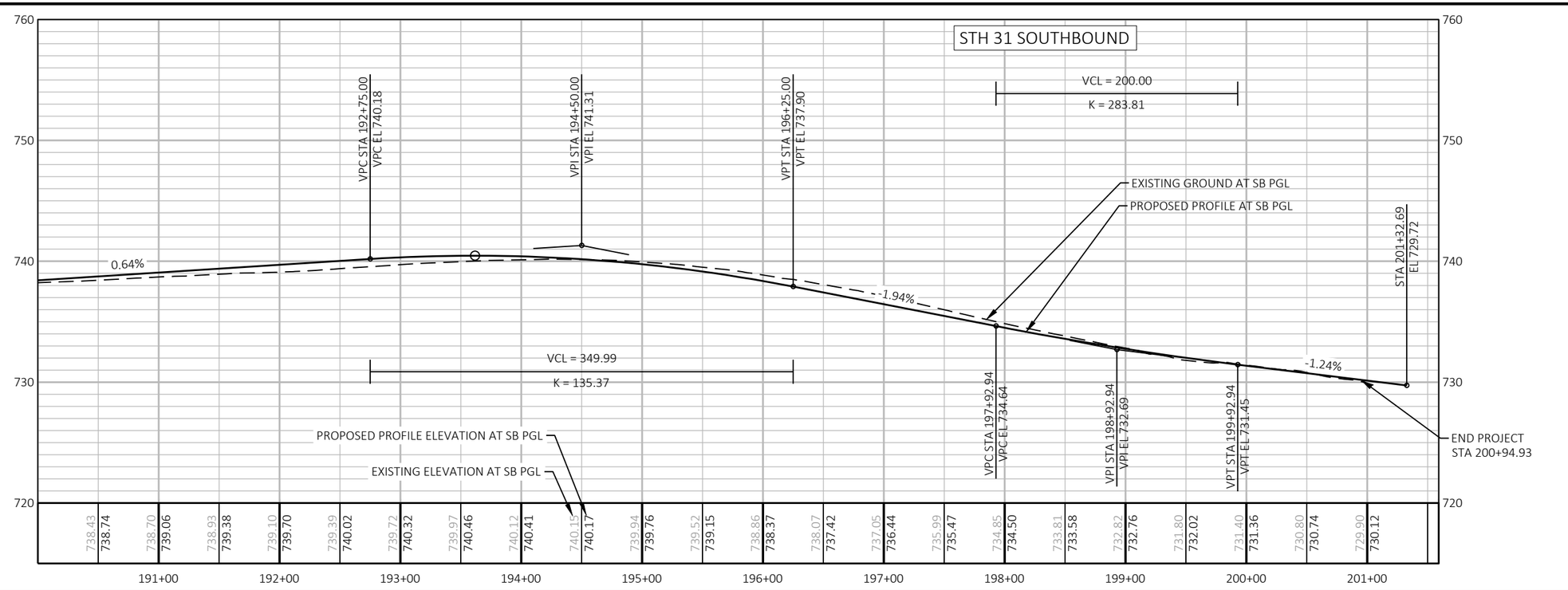
STH 31
STH 20
STH 31 R/L

PR R/W
EX R/W
TLE
SI
BM 128

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PLAN AND PROFILE - STH 31	SHEET 735	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 6-plan
PLOT DATE : 10/9/2025 10:56 AM
PLOT BY : SAM FLINT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT





PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PROFILE - STH 31	SHEET 736 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 6-prof
PLOT DATE : 7/28/2025 1:59 PM
PLOT BY : GABRIELLE RITTERBUSH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

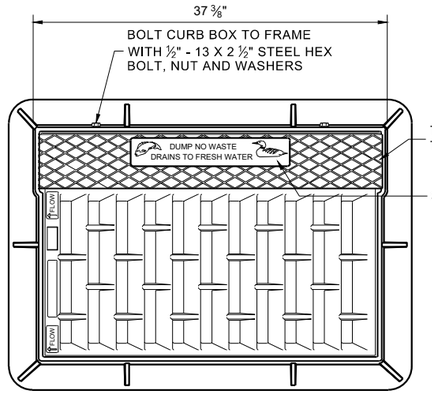
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22D	CURB RAMPS TYPE 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-05	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-05	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-13	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C15-02	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09C	TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
09E08-09D	TYPE 9 SPECIAL POLE 45' MONOTUBE ARM
09E08-09E	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-09F	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

6

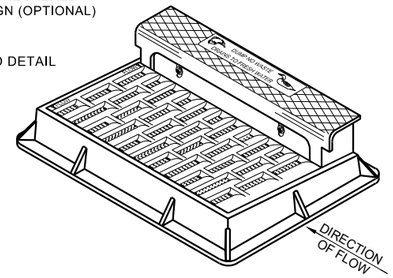
Standard Detail Drawing List

14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-24C	PAVEMENT MARKING (TURN LANES)
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-09C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C20-02	YIELD MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D20-10A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING

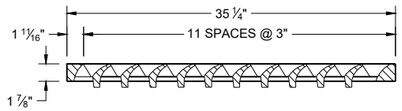
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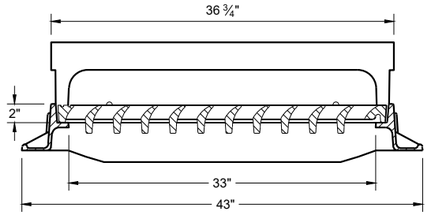


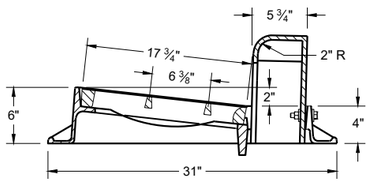
NOTE: EITHER CASTING IS ACCEPTABLE

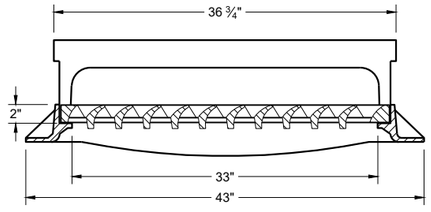


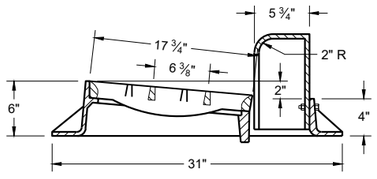
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







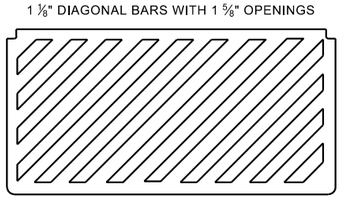




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

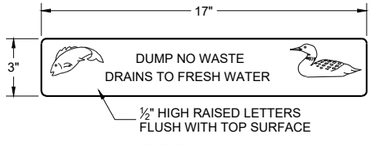
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



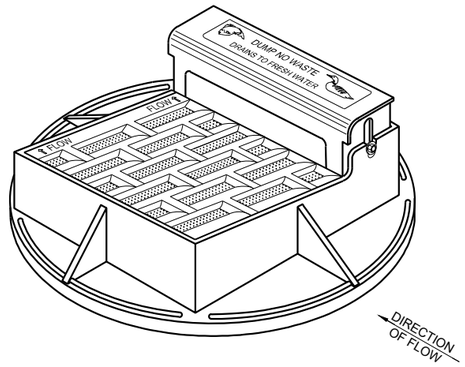
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

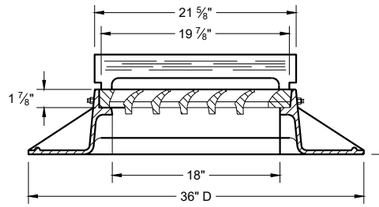


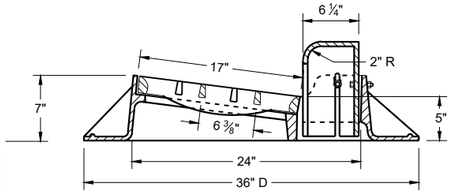
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





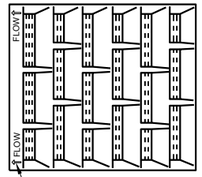
TYPE "A"

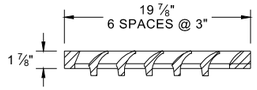
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

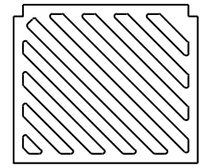
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





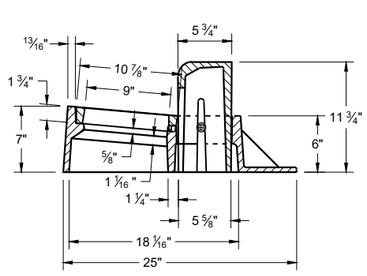
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



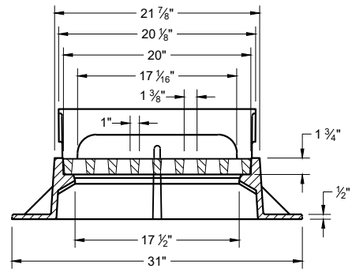
SPECIAL GRATE FOR TYPE "A" COVER

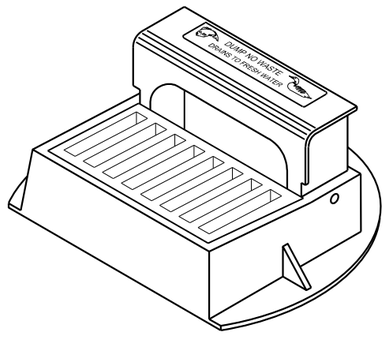
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





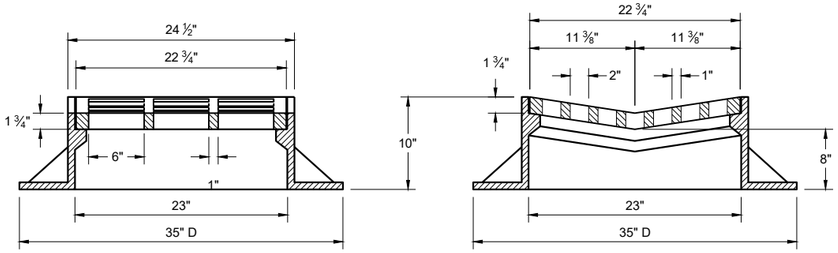
INLET COVERS
TYPES A, H, A-S, H-S AND Z

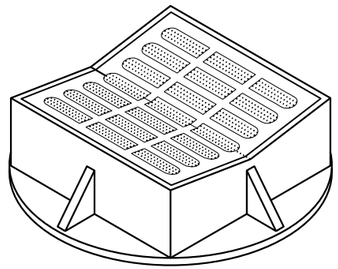
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

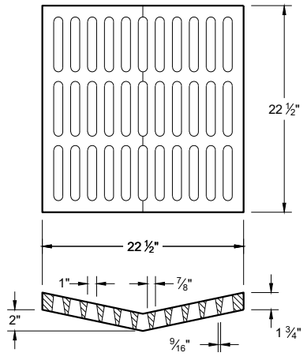
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA





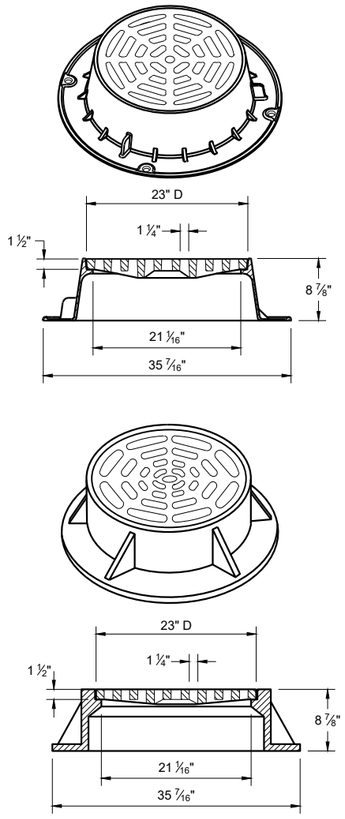
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

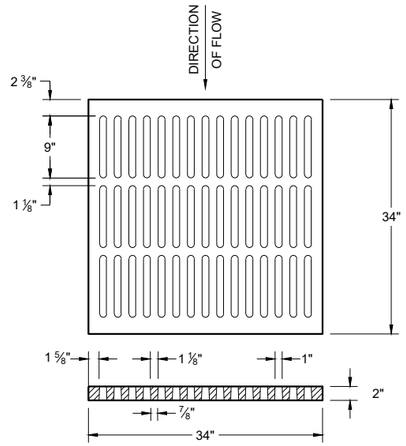
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

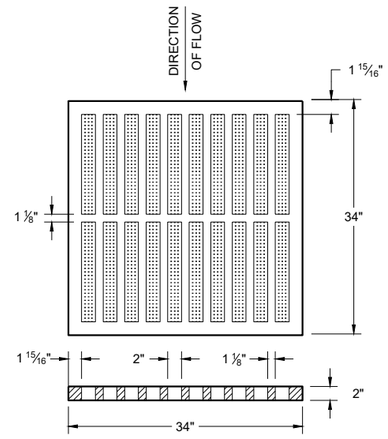
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

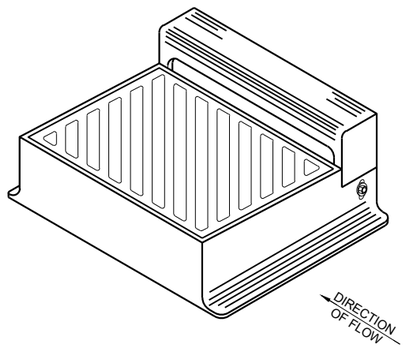
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



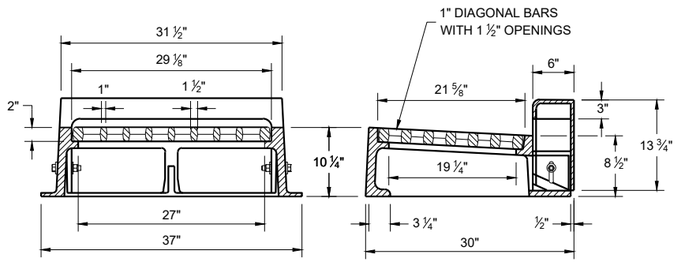
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE

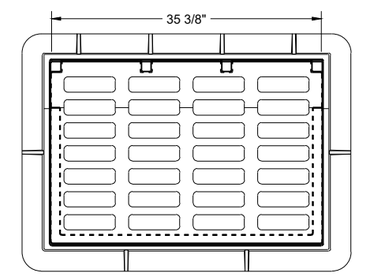


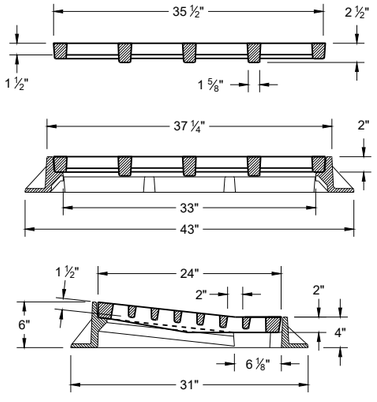
DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.

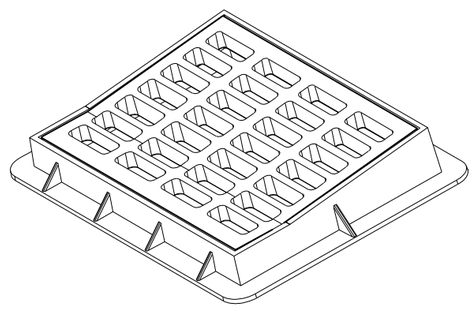


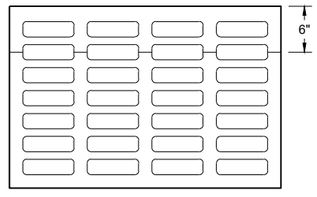
TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"









TYPE "DW"

NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.

INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

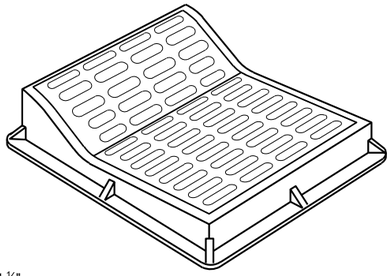
SDD 08A05-22b

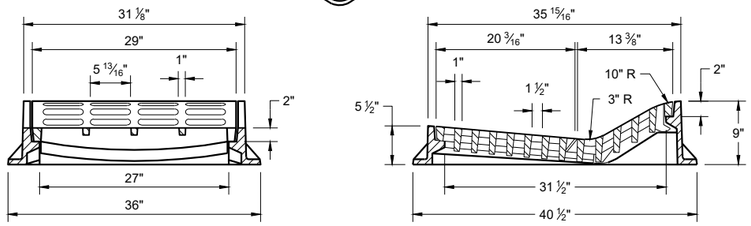
SDD 08A05-22b

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

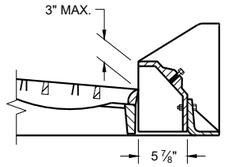
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

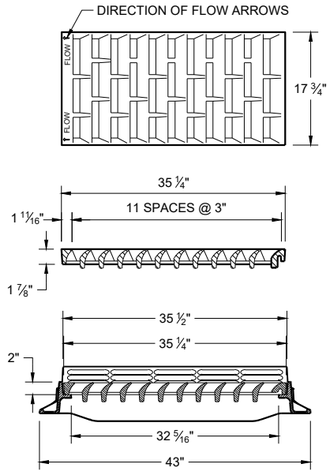


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

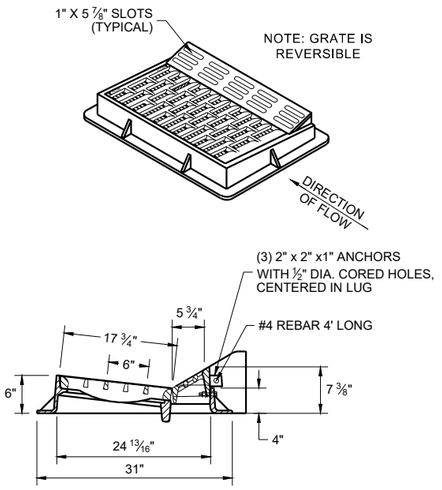
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



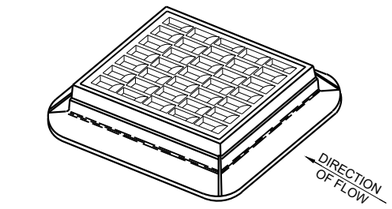
TYPE "HM"

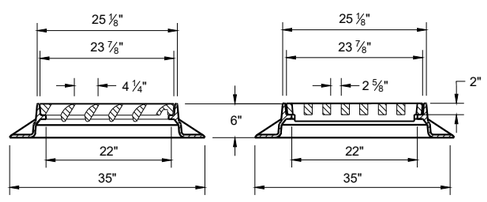
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



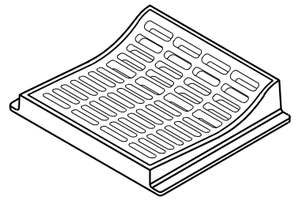
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

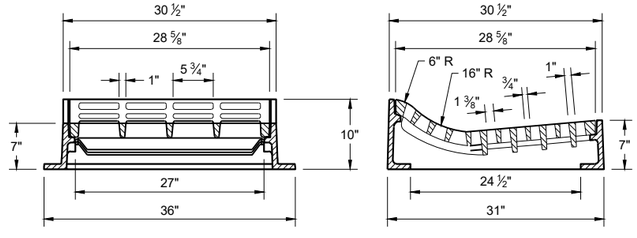
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

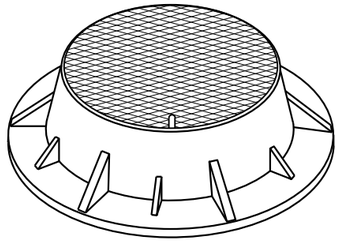
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SDD 08A05-22c

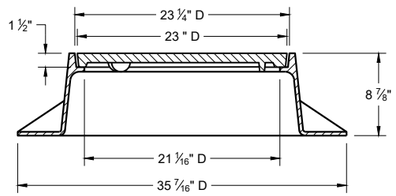
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

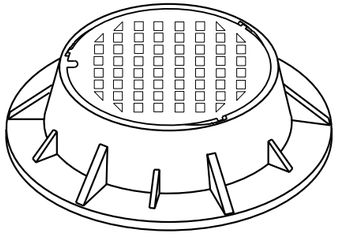
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

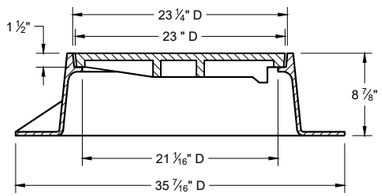




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

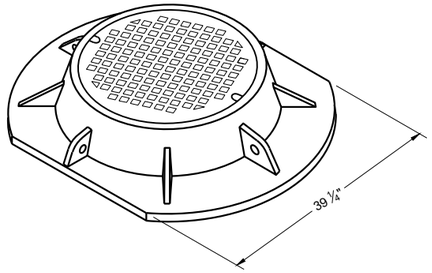


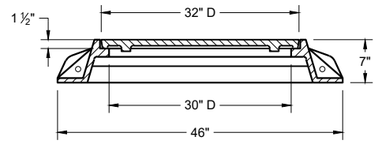


TYPE "J" SPECIAL

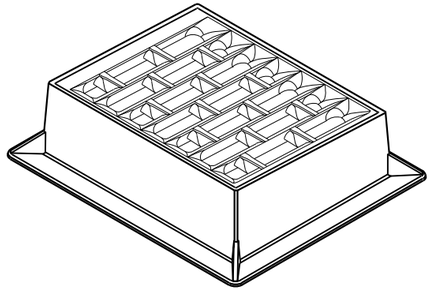
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

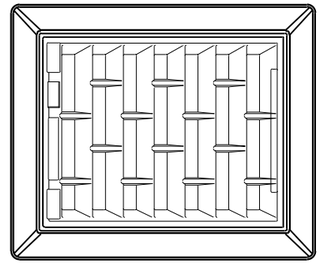
NOTE: EITHER CASTING IS ACCEPTABLE

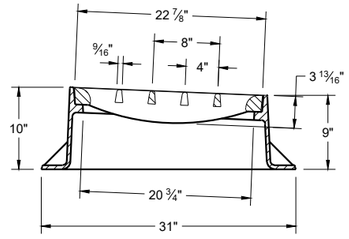


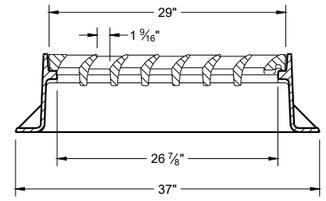


TYPE "K"

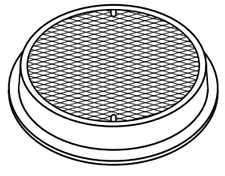


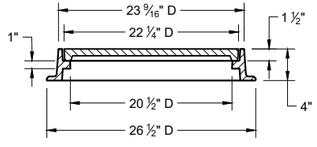




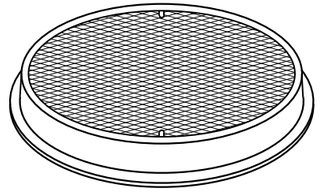


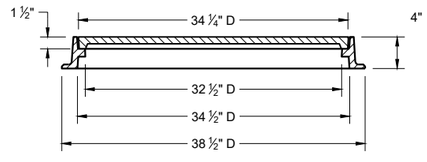
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

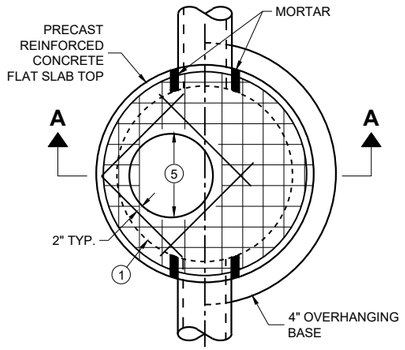
INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

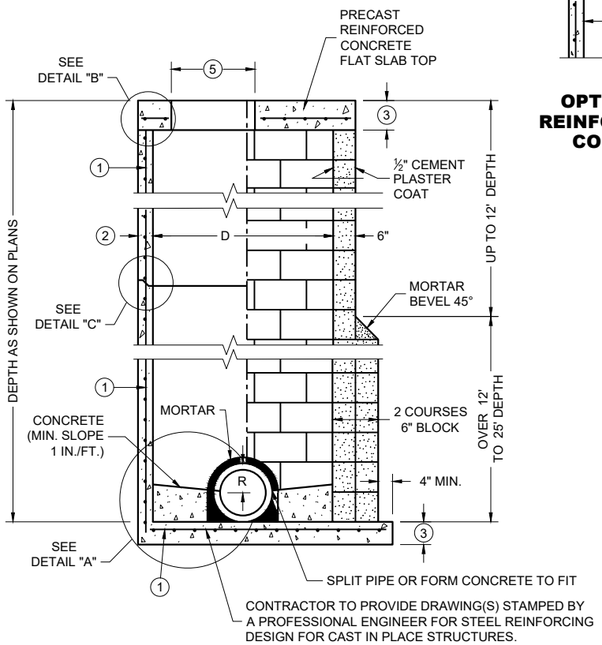
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PLAN VIEW

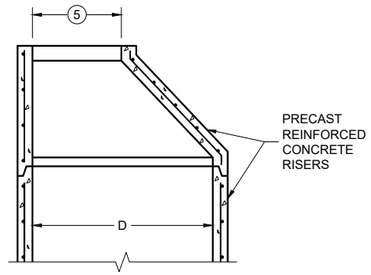
CIRCULAR OPENING



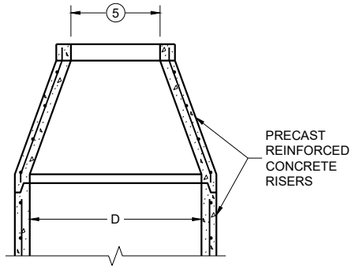
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

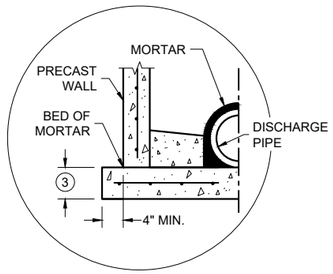
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



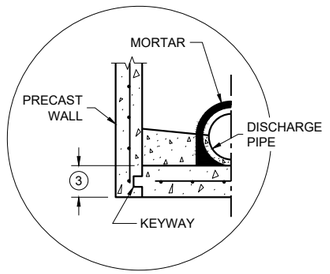
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

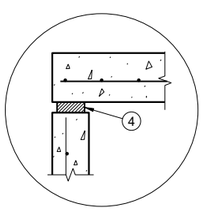


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

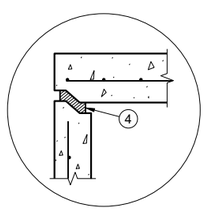


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

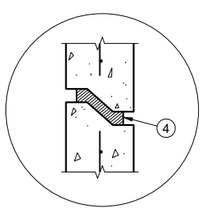
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

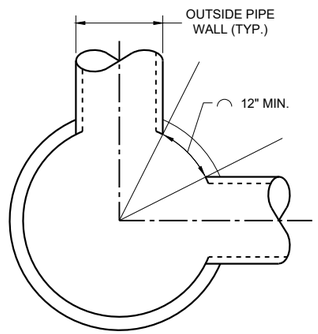
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

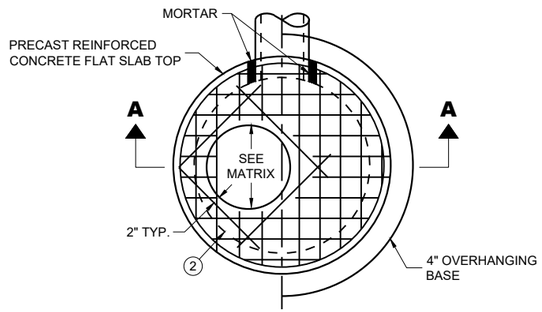
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

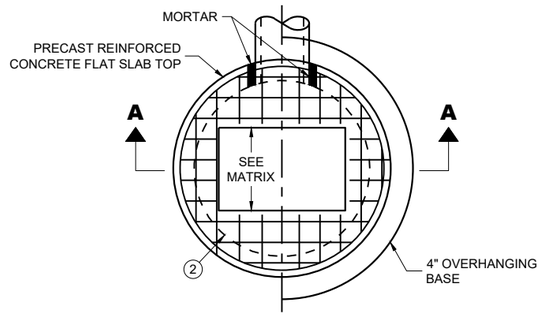
FHWA

SDD 08B09-04

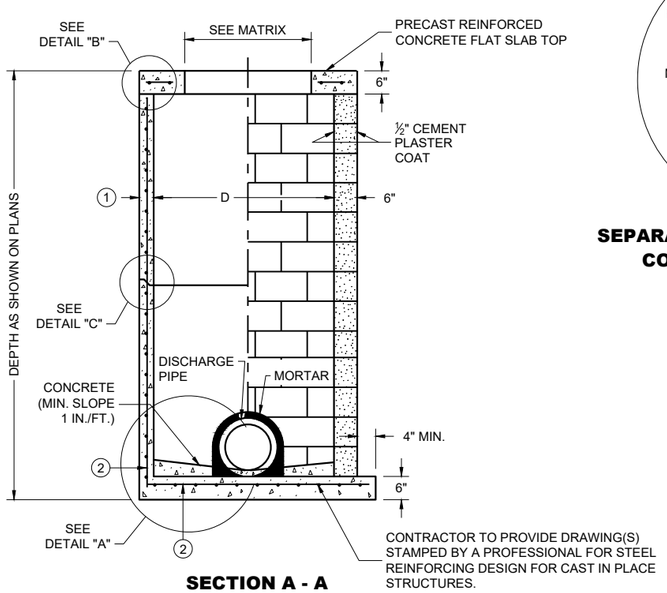
6



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

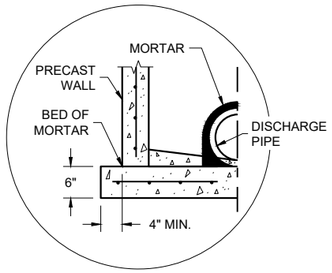
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

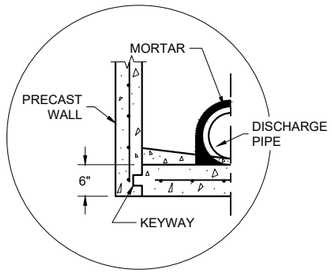
INLET SIZE	INLET COVER TYPE / OPENING SIZE (FT.)	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	WM	Z
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

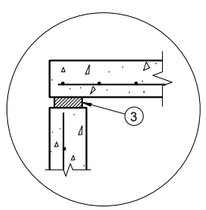


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

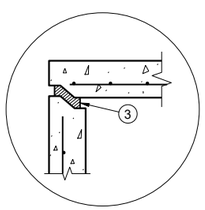


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

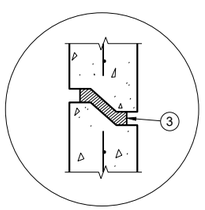
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

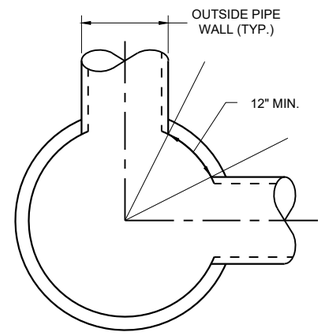
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

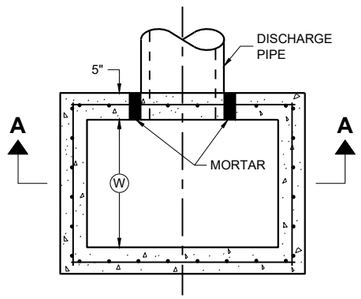
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

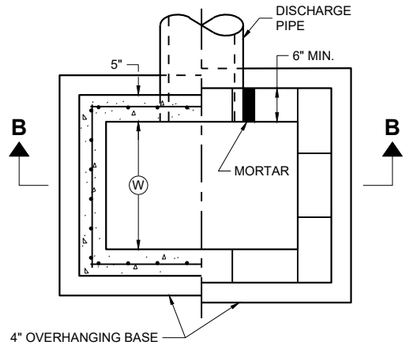
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

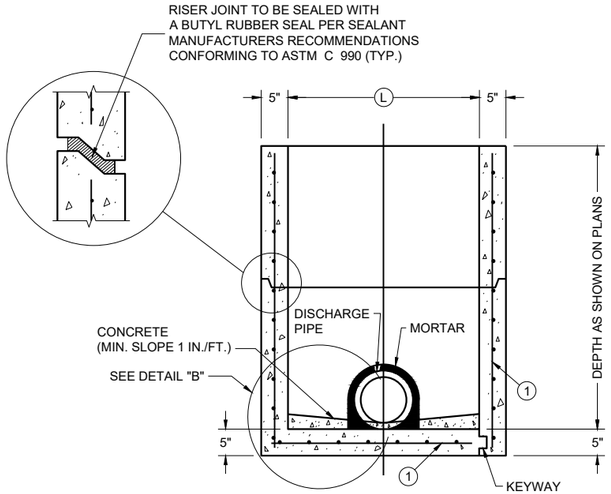
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SDD 08C06-03



PLAN VIEW



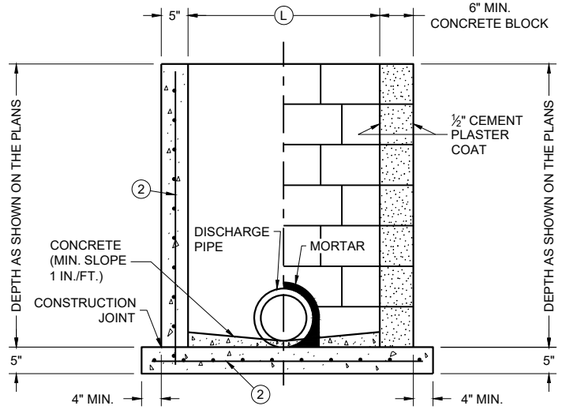
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

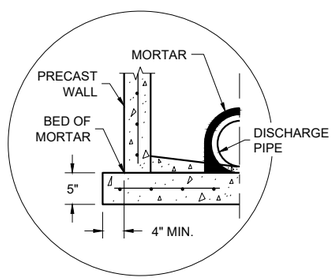
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

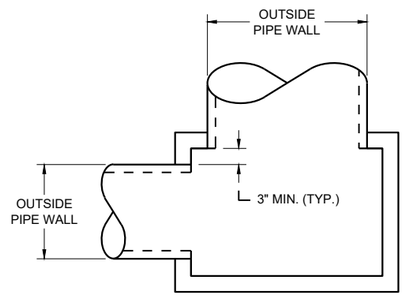
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

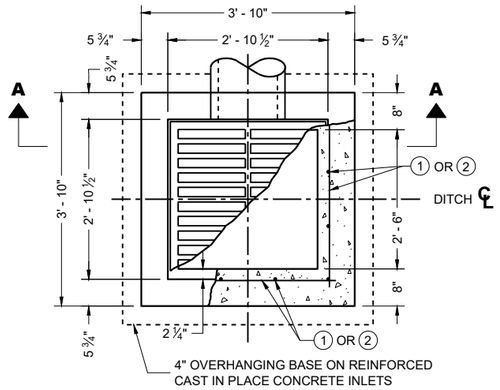
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

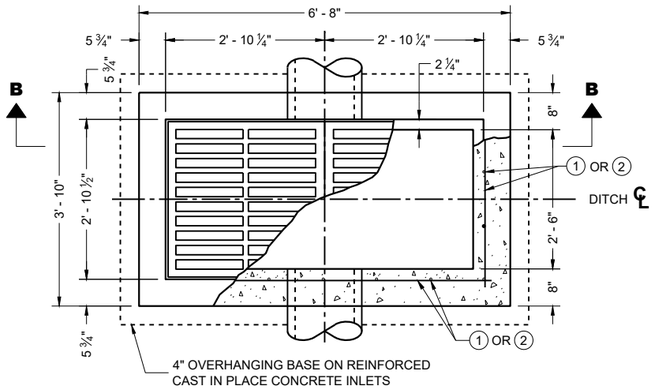
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

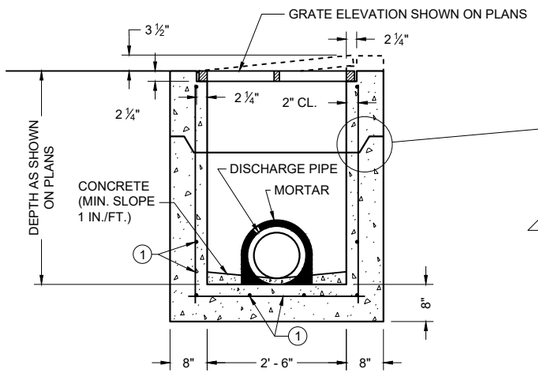
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SDD 08C07-03



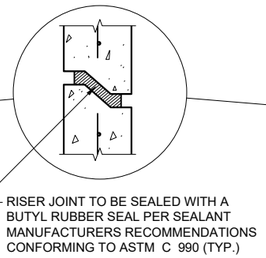
PLAN VIEW

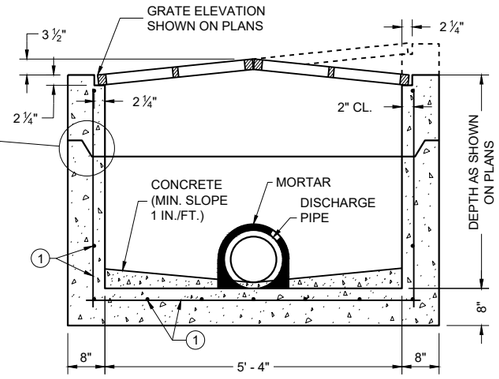


PLAN VIEW

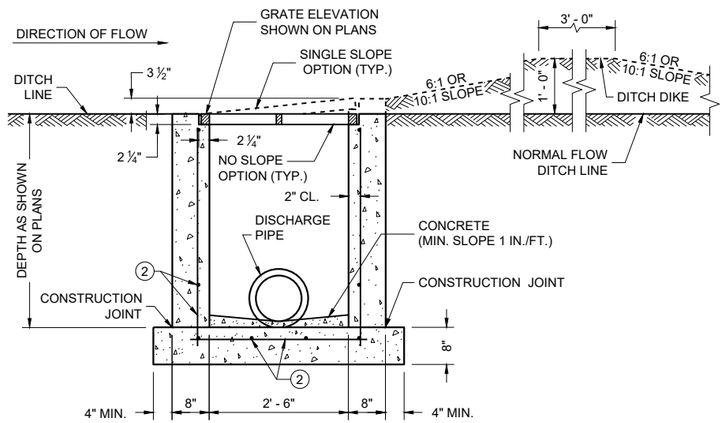


PRECAST REINFORCED CONCRETE SECTION A - A



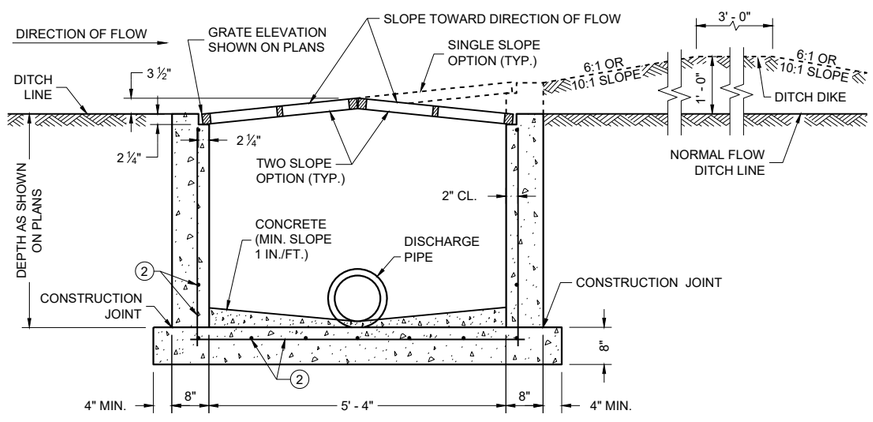


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

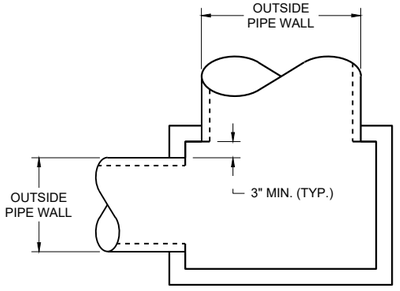
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.



DETAIL "A"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42

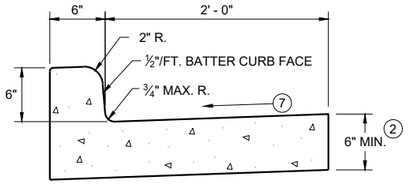
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

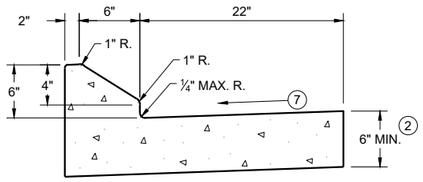
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

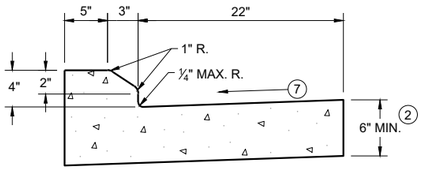
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SDD 08C08-03



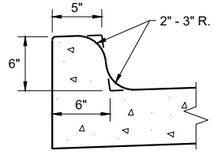
TYPES A (1) & D



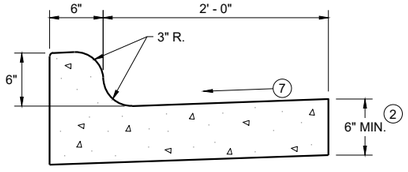
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

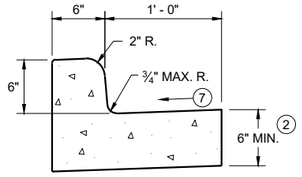


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



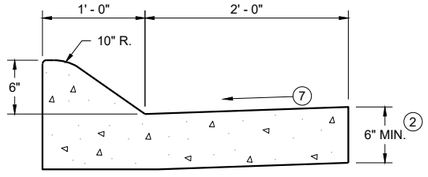
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

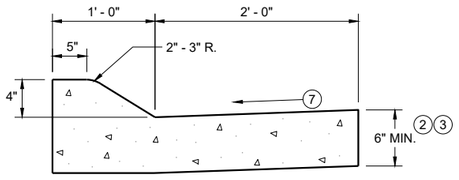


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

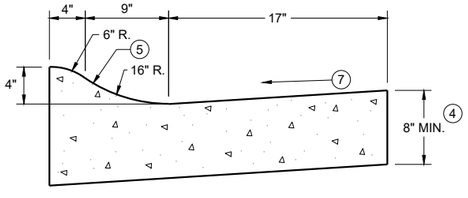


6" SLOPED CURB TYPES A (1) & D



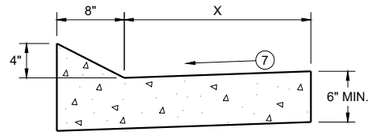
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

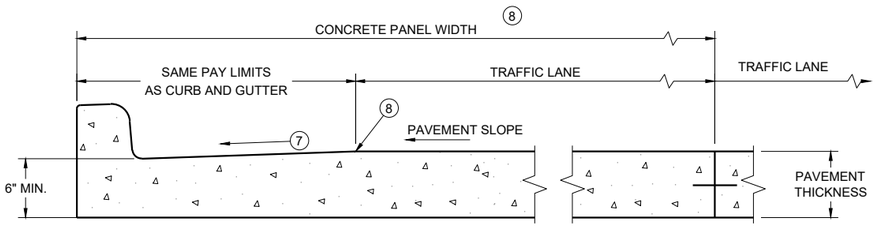


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

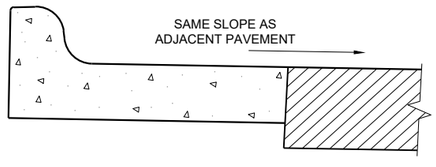
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

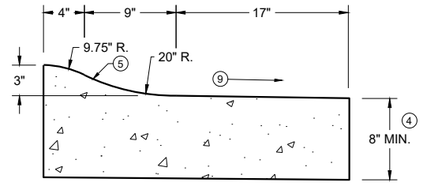
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

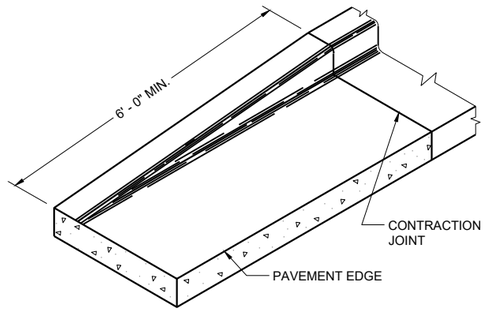
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



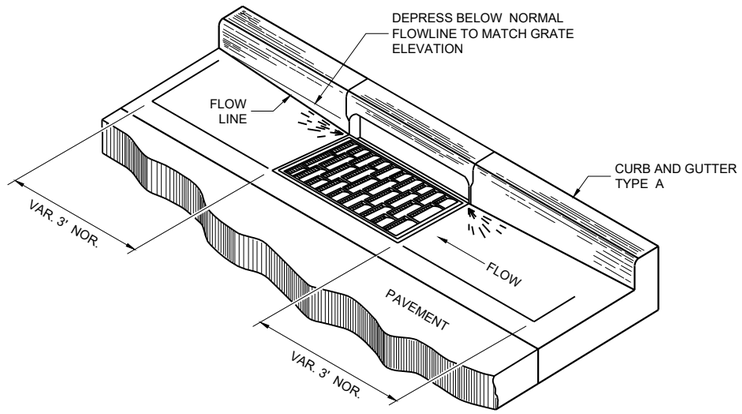
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

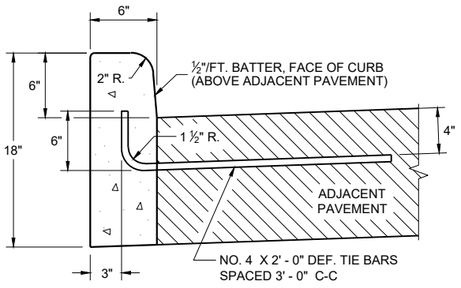
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

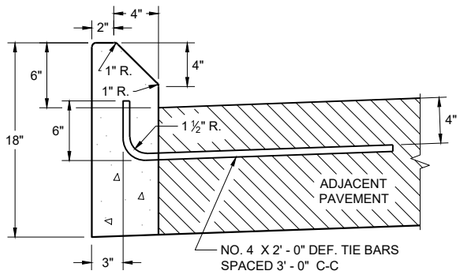
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

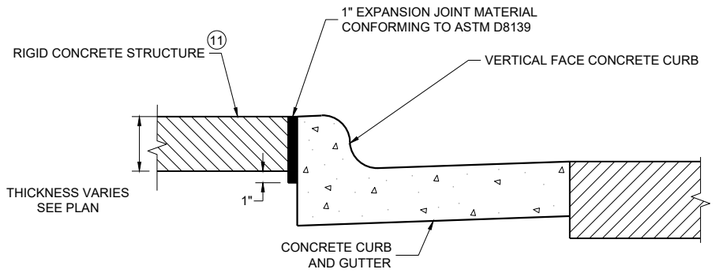


TYPES A (1) & D

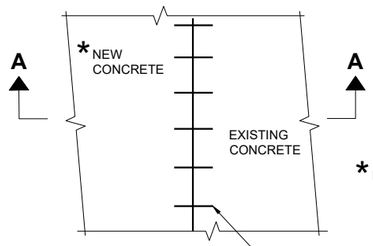


TYPES G (1) & J

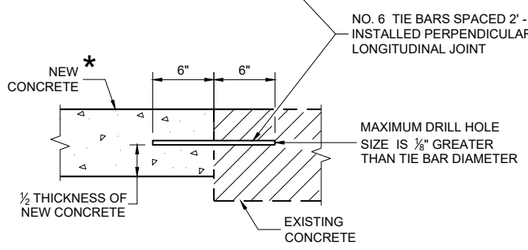
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

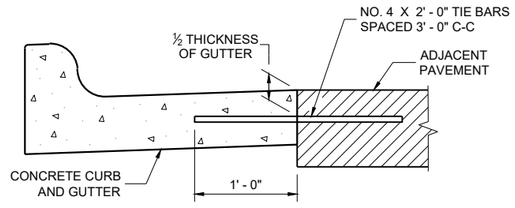


PLAN VIEW

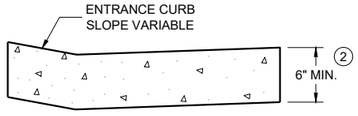


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

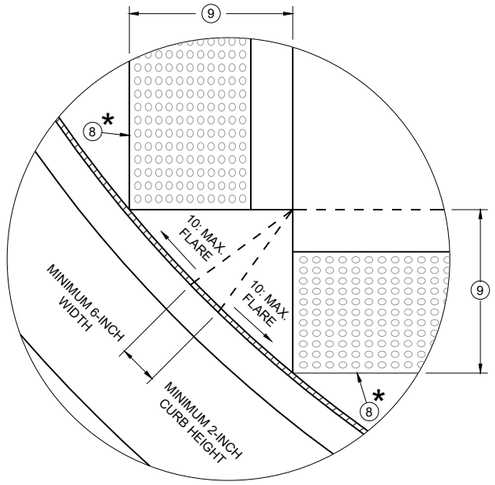
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

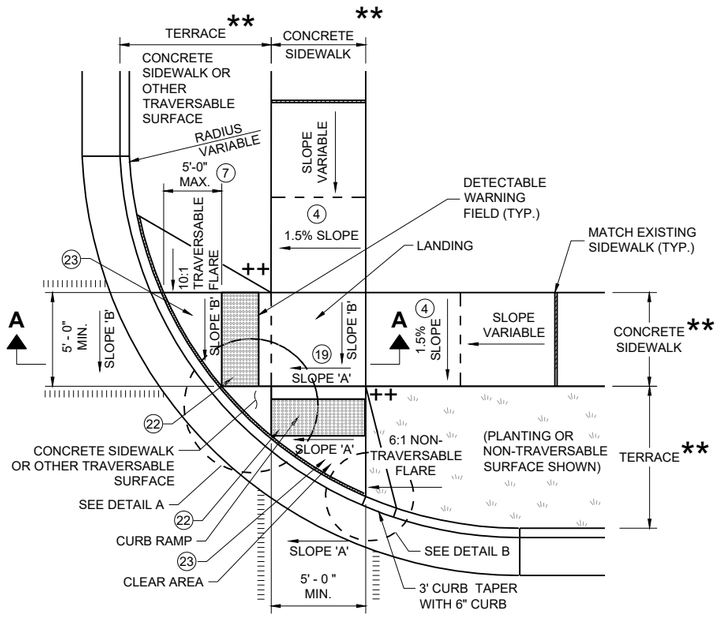
APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 08D01-24b



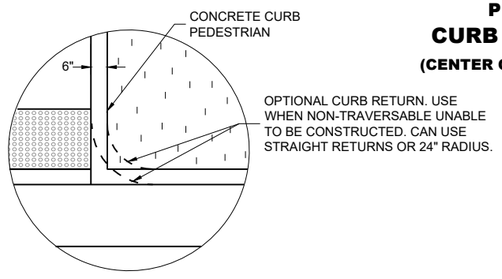
DETAIL A



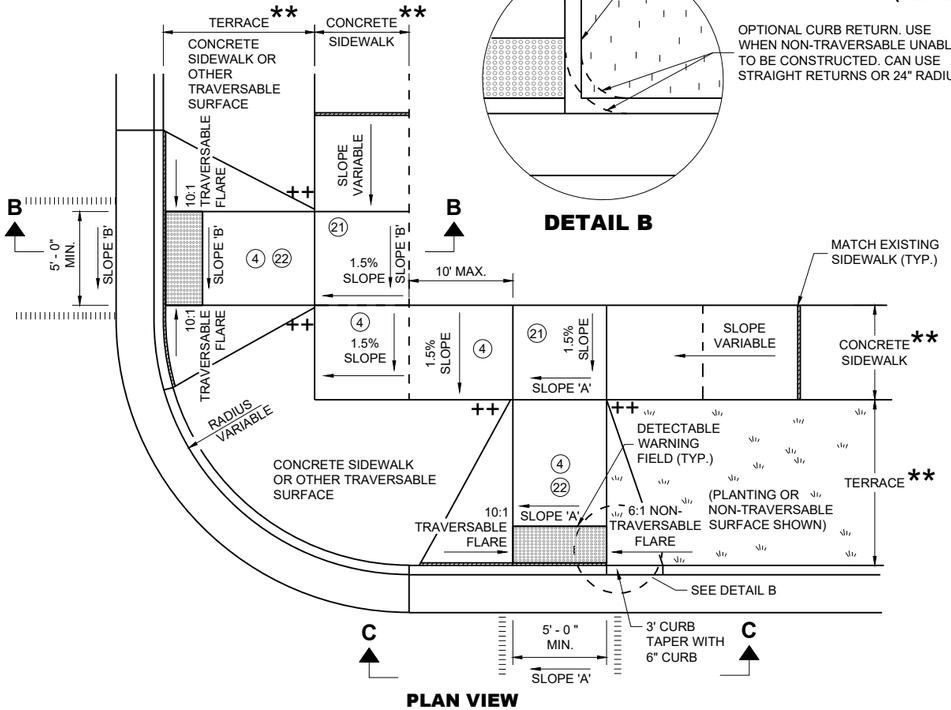
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

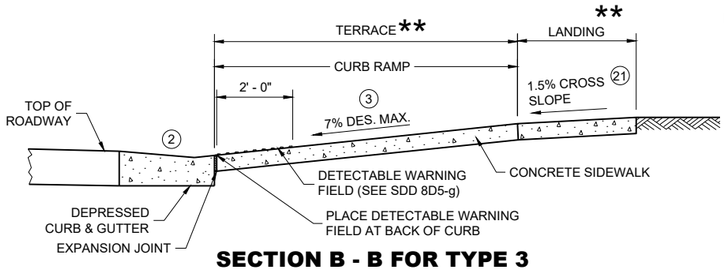
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

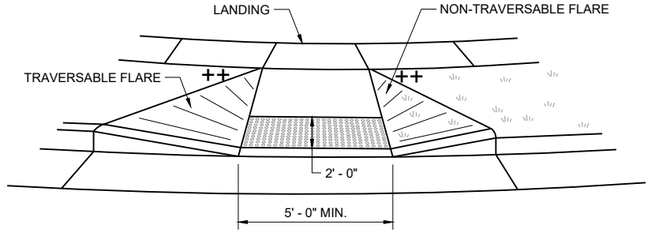
(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

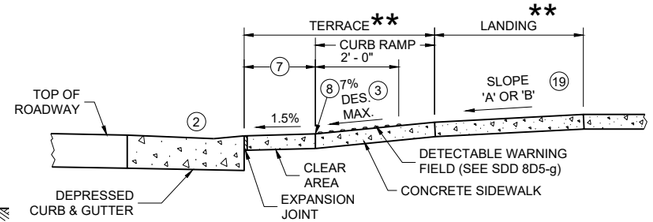
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



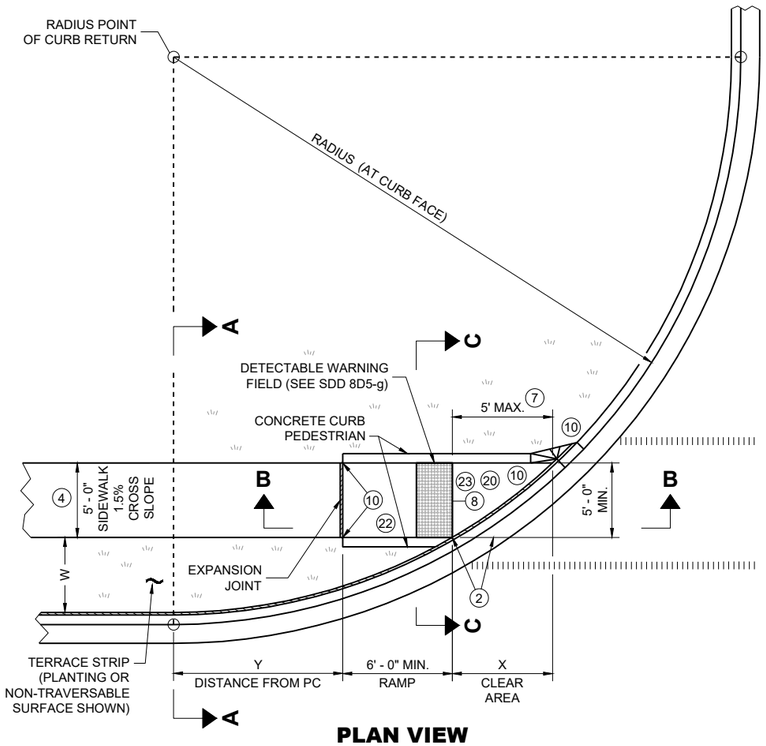
SECTION A - A FOR TYPE 2

LEGEND

▨	½" EXPANSION JOINT SIDEWALK
- - - -	CONTRACTION JOINT SIDEWALK
ıllıllıllıllı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

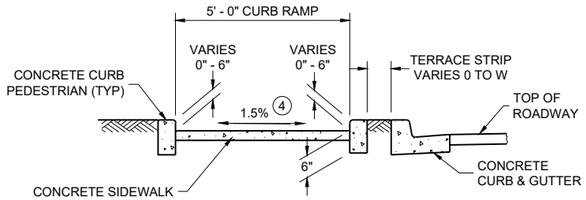
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET			4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET									4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET															4' - 10 ¾"	19' - 8 ¼"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

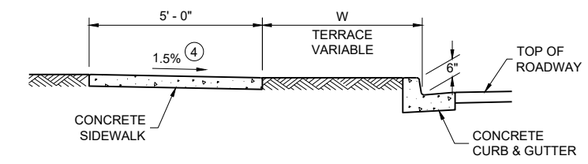
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

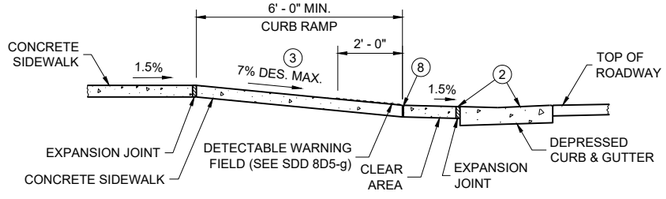
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

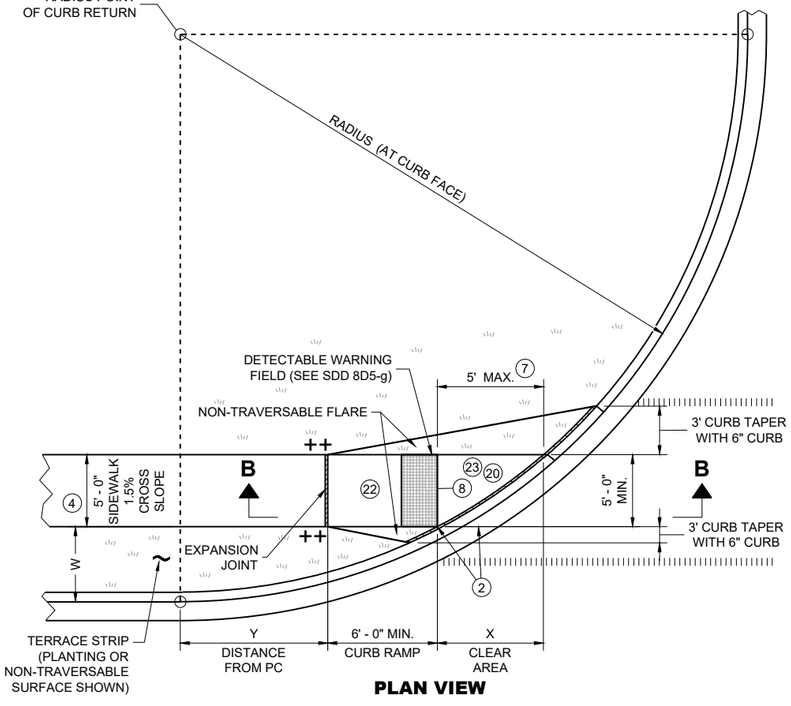
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



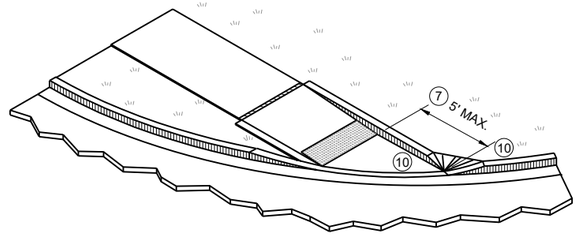
SECTION A - A FOR TYPE 4B



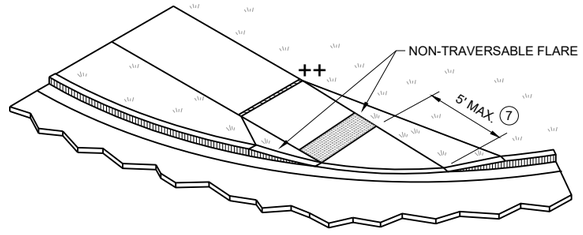
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



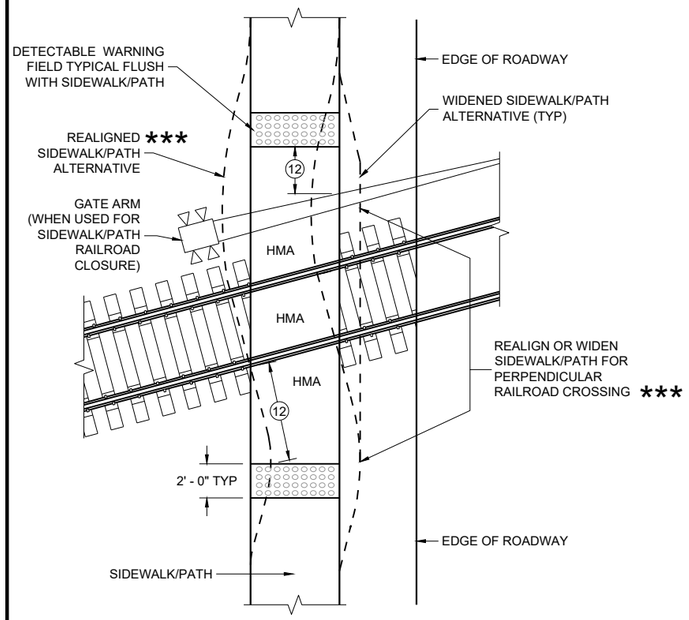
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

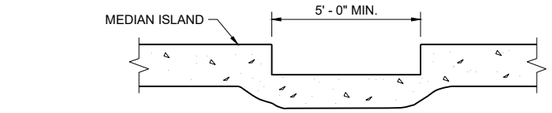
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

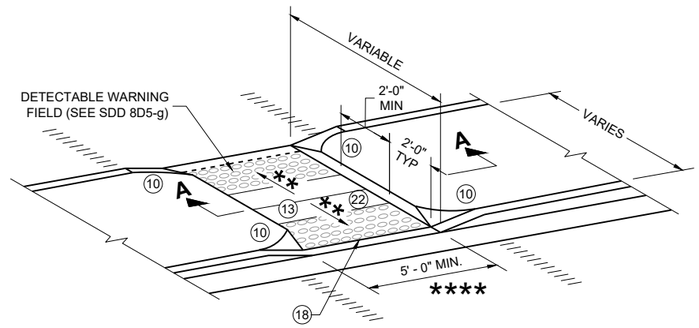


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

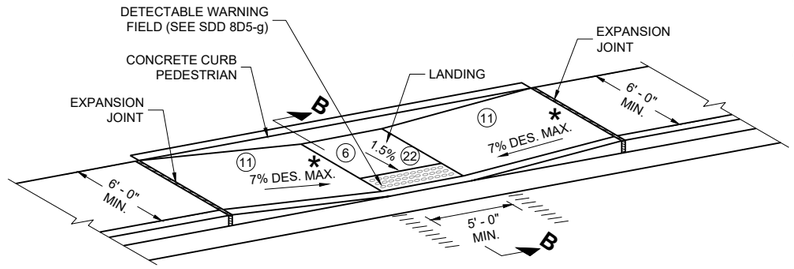
(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

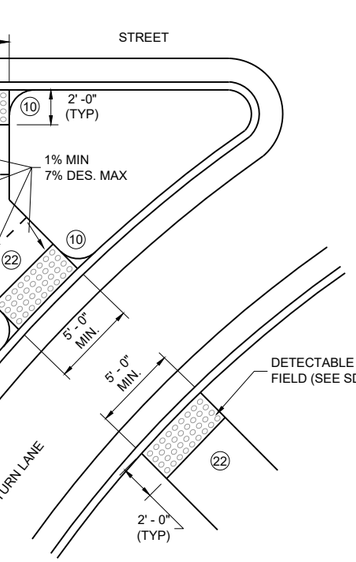
(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.



CURB RAMP TYPE 7A

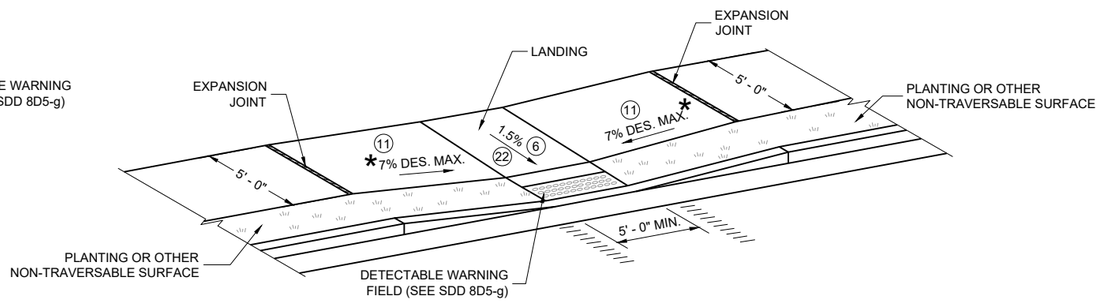
FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

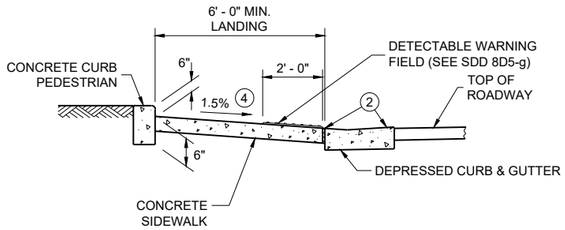


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT FIELD LOCATED
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 8.3%
**	1% MINIMUM (PROVIDE DRAINAGE)
***	DETAILS TO BE DETERMINED BY ENGINEER
****	FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK



SECTION B - B FOR TYPE 7A

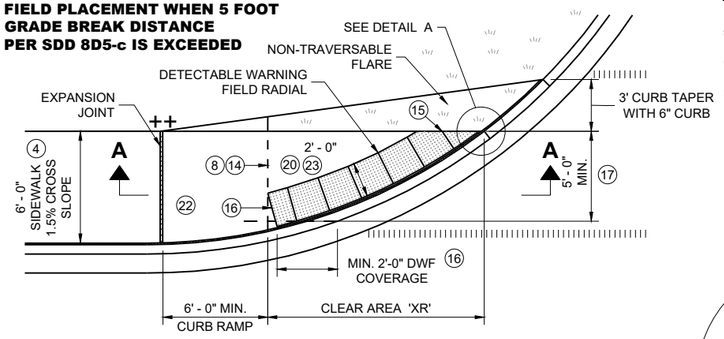
CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05-22e

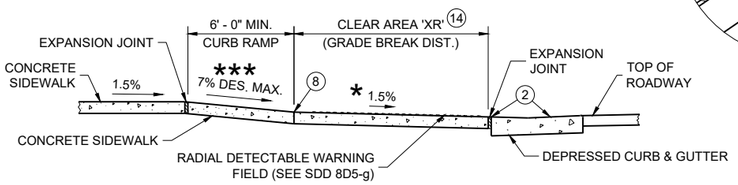
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

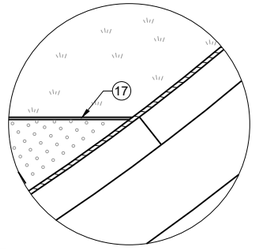
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

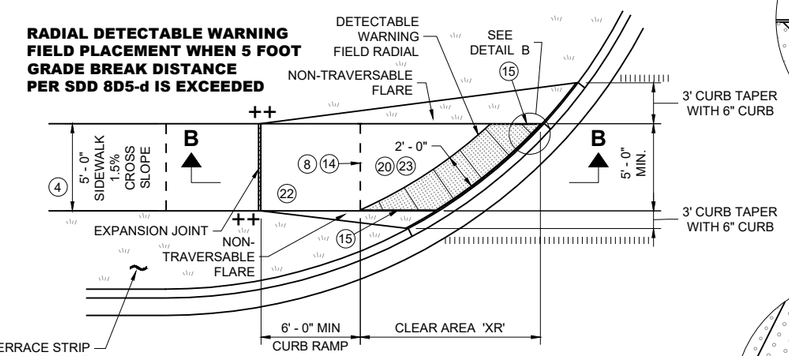
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

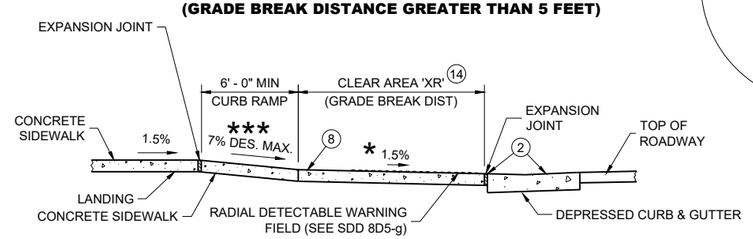
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



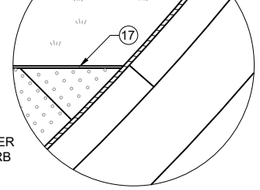
PLAN VIEW

CURB RAMP TYPE 4B1

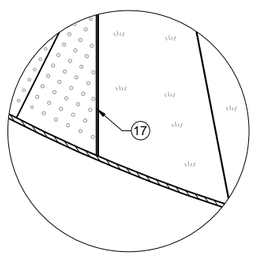
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

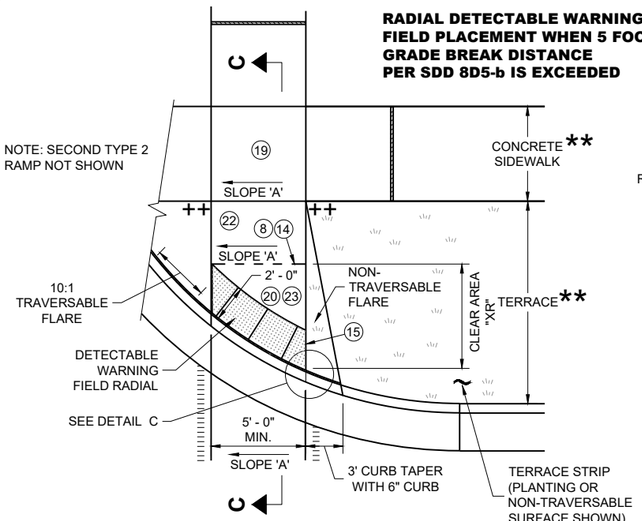


DETAIL B



DETAIL C

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

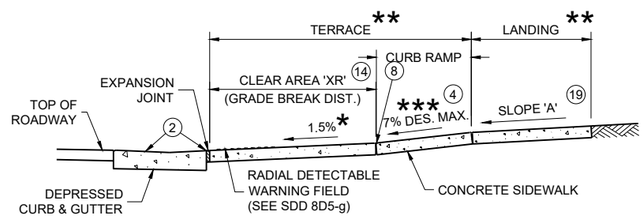


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2

CURB RAMPS RADIAL DETECTABLE WARNING

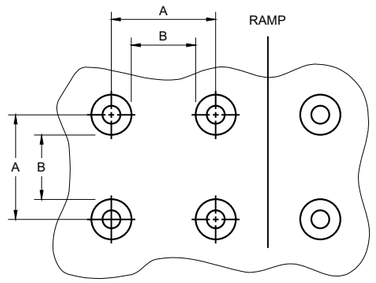
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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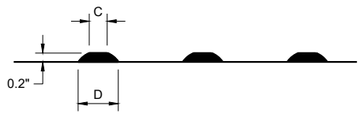
SDD 08D05-22f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

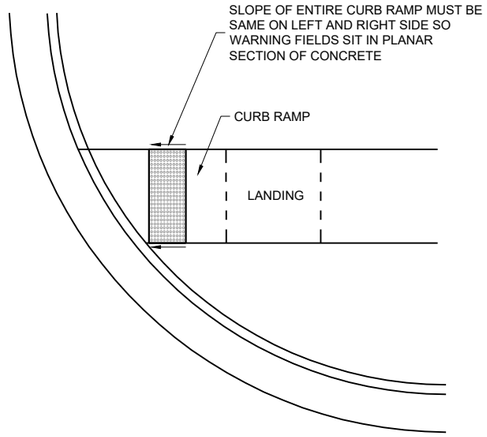
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

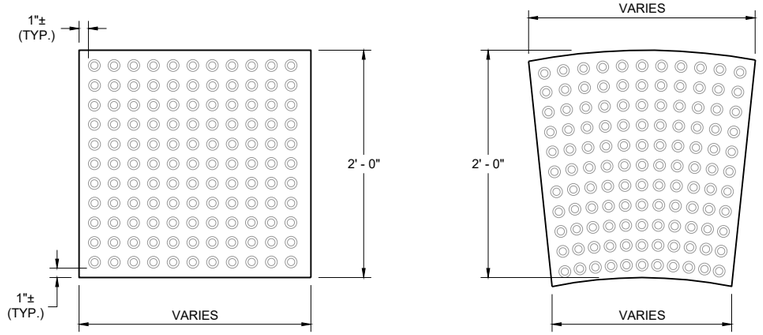
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

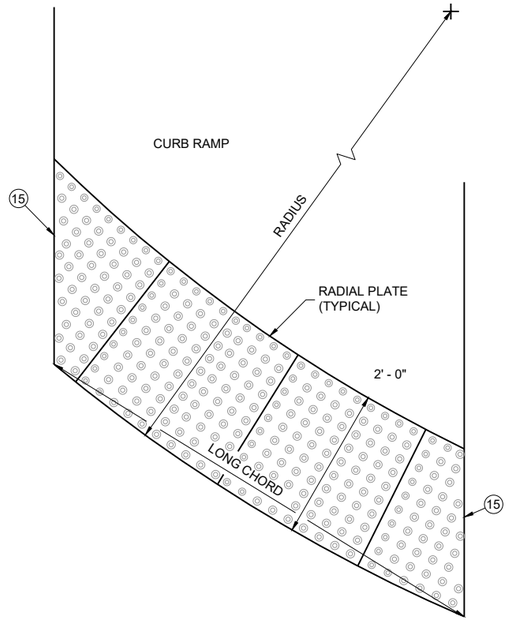
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



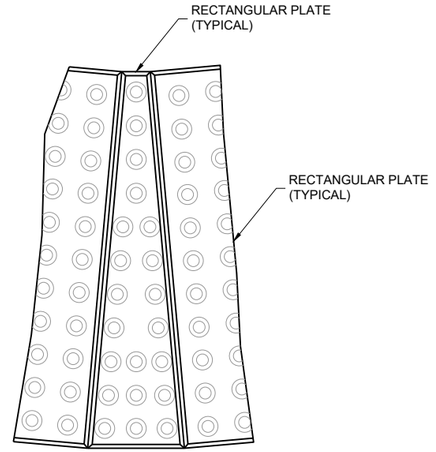
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>

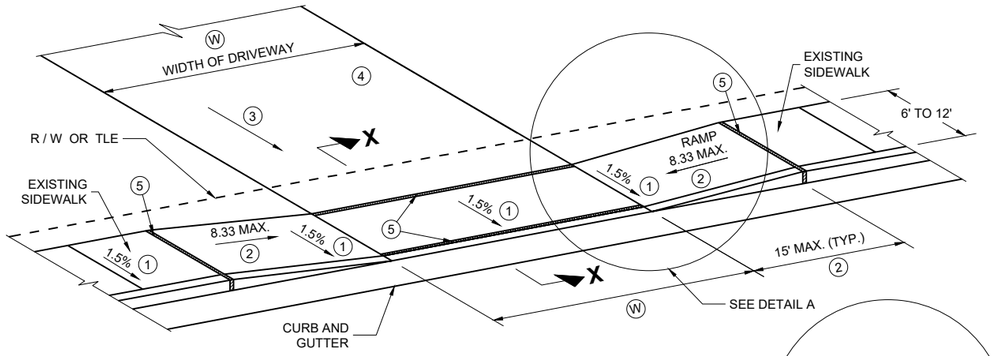
FHWA

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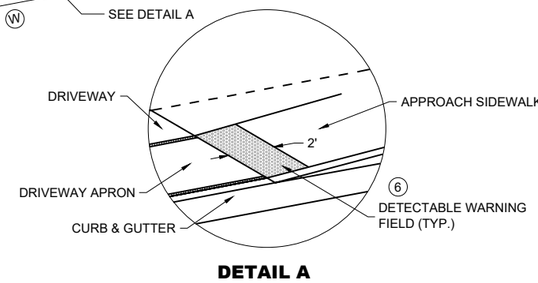
SDD 08D05-22g

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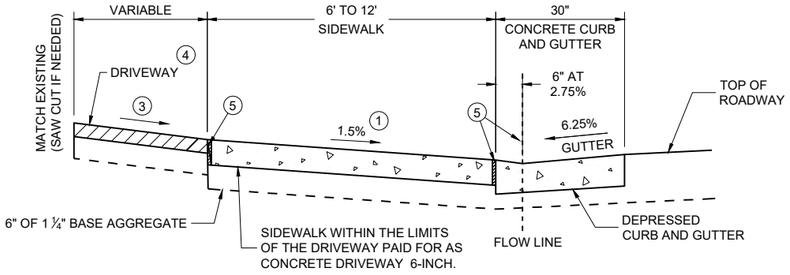
SDD 08D05-22g



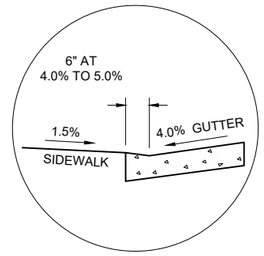
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X



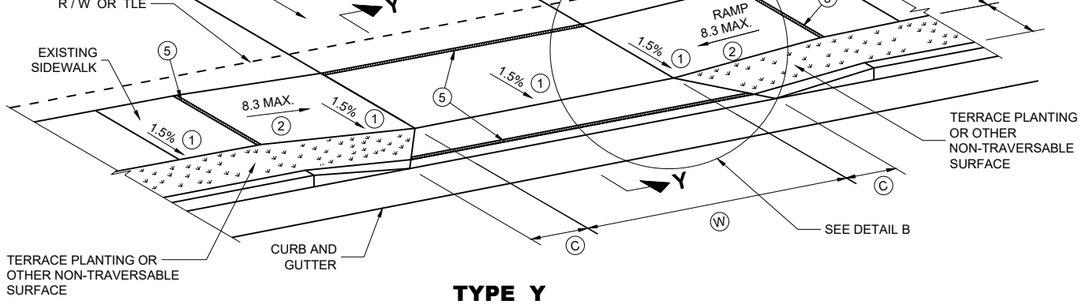
SECTION X - X
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

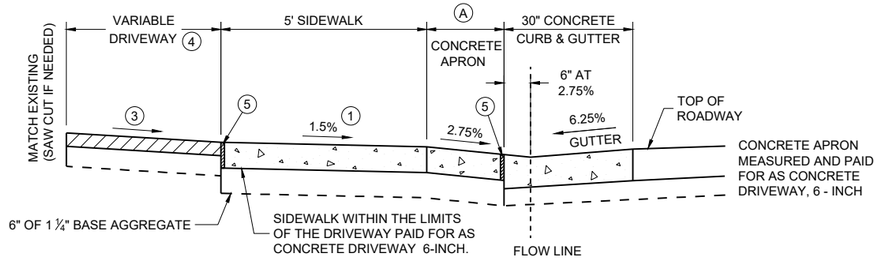
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



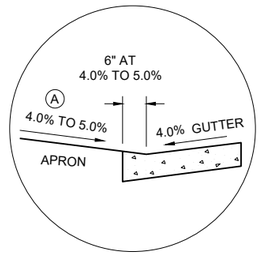
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

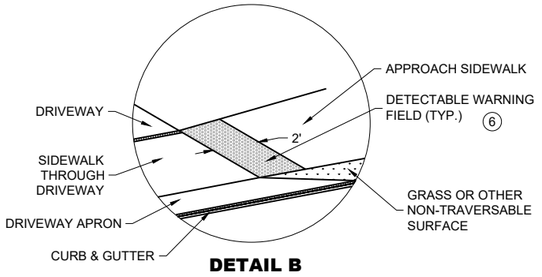
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
* 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
* 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
* 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

(5) 1/2" EXPANSION JOINT FILLER

(6) DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD SIGN CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.



DETAIL B

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

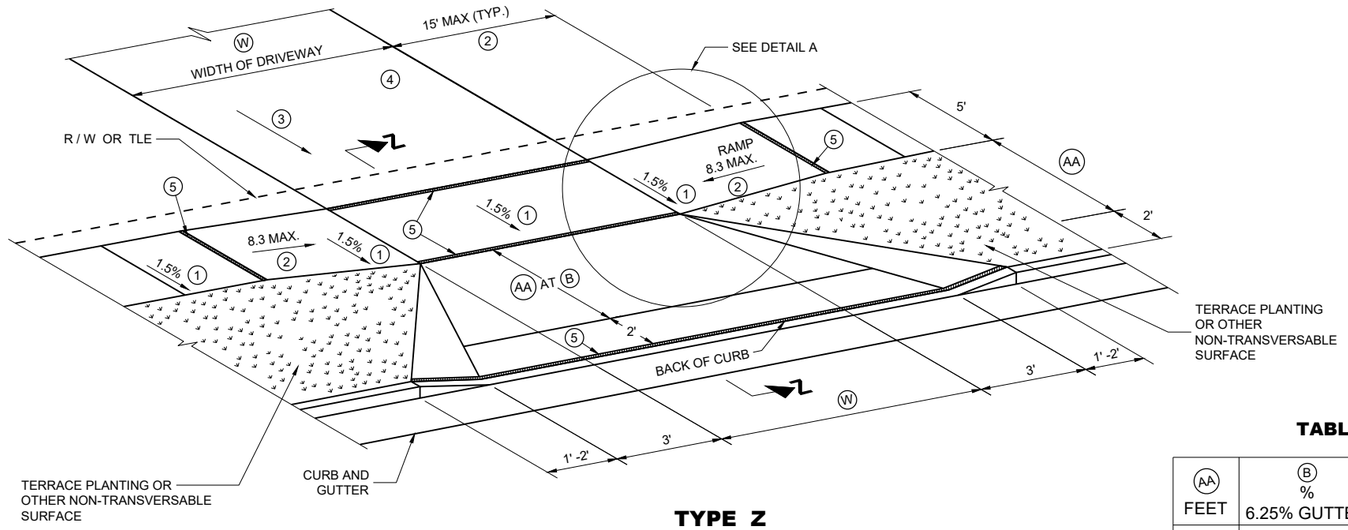
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 (DATE)
/S/ Rodney Taylor

FHWA

SDD 08D18-05

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TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- * 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE 2-INCH
- * TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE 6-INCH BASE
- * AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

(5) 1/2" EXPANSION JOINT FILLER.

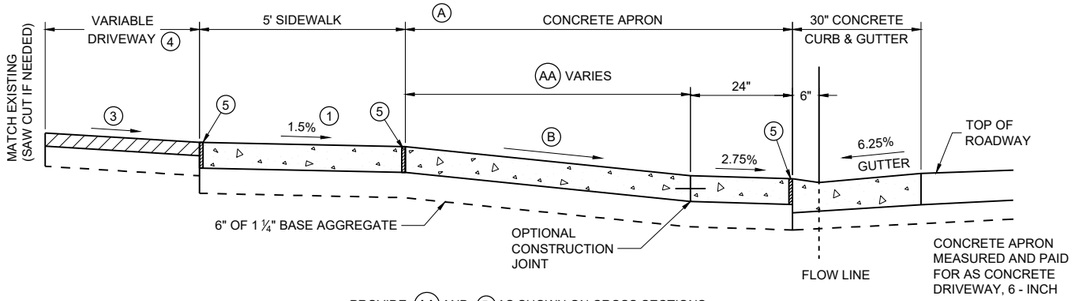
(6) DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

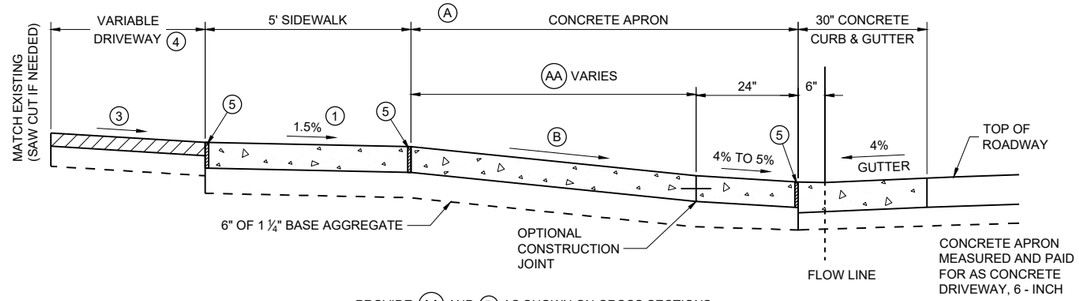
TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%



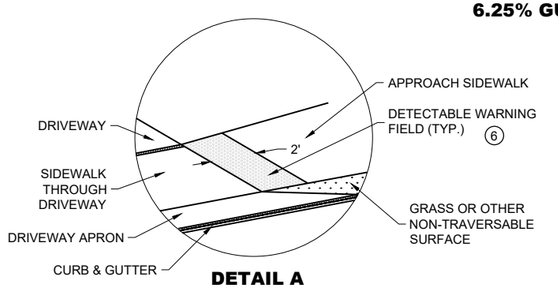
PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE



DETAIL A

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SECTION Z - Z

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

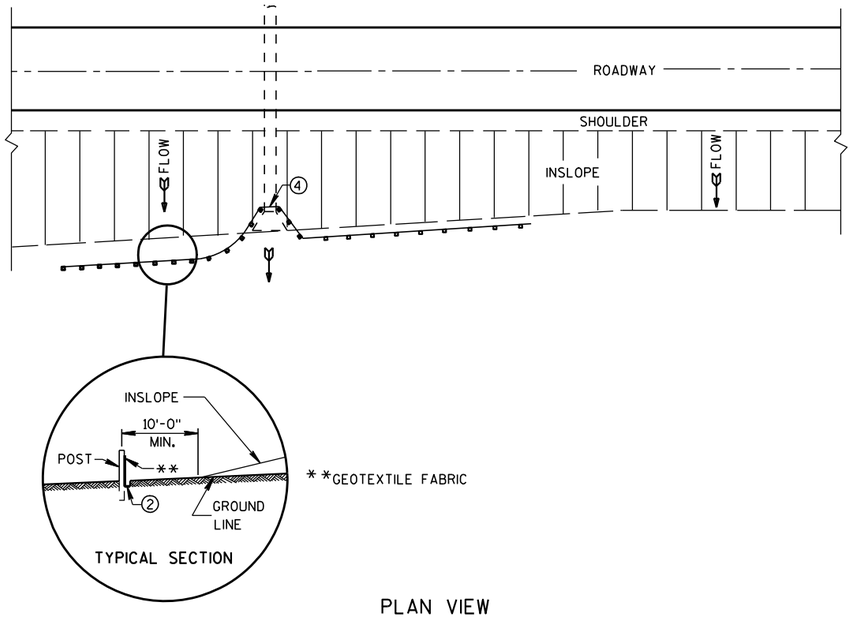
DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

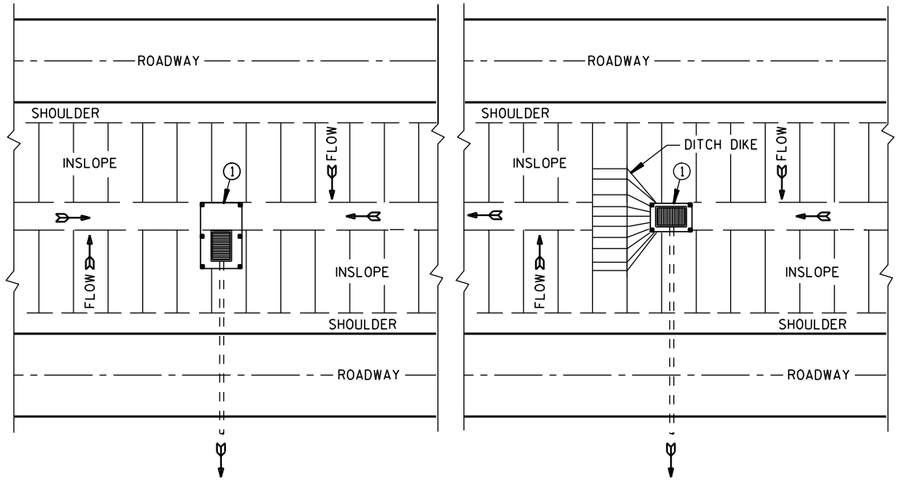
FHWA

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SDD 08D19-05



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



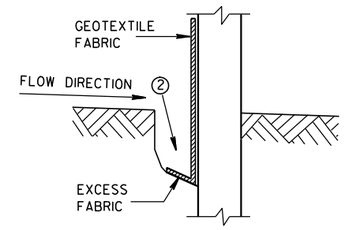
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

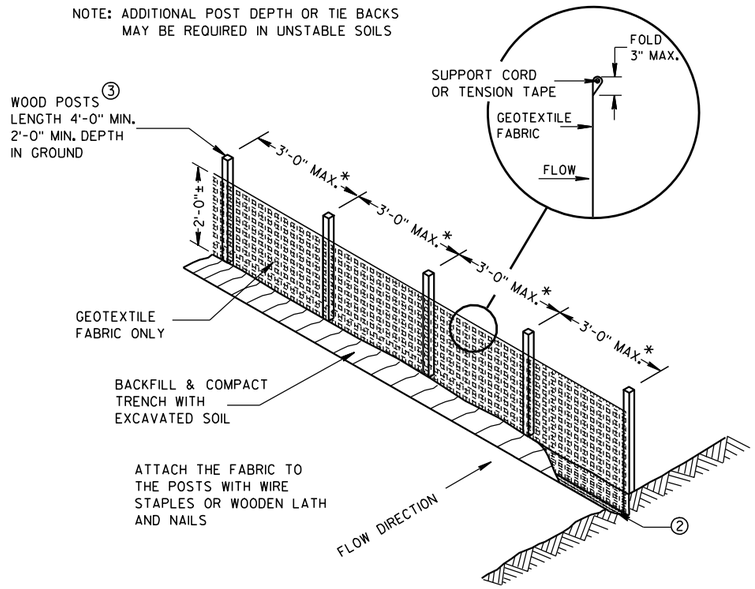
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

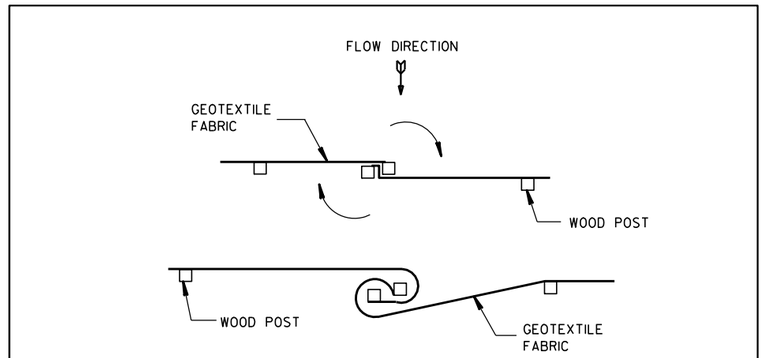
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



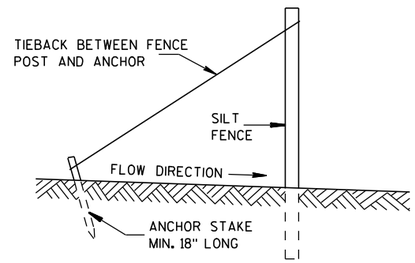
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

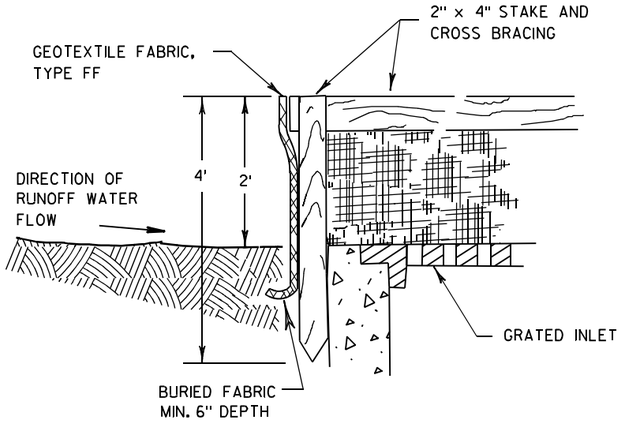
(WHEN REQUIRED BY THE ENGINEER)

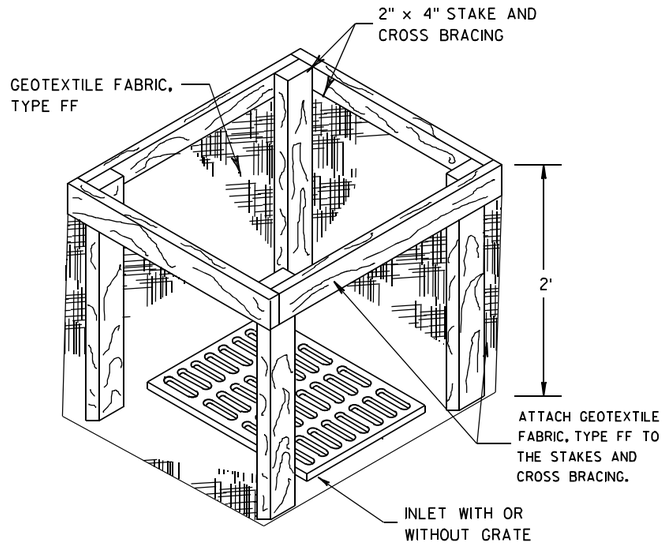
SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

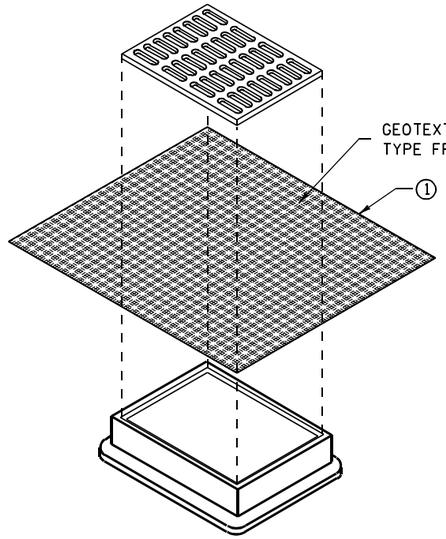
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 9-6



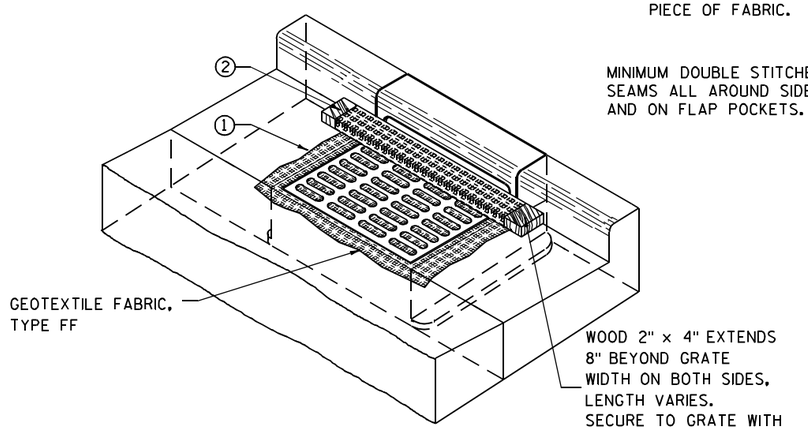


INLET PROTECTION, TYPE A

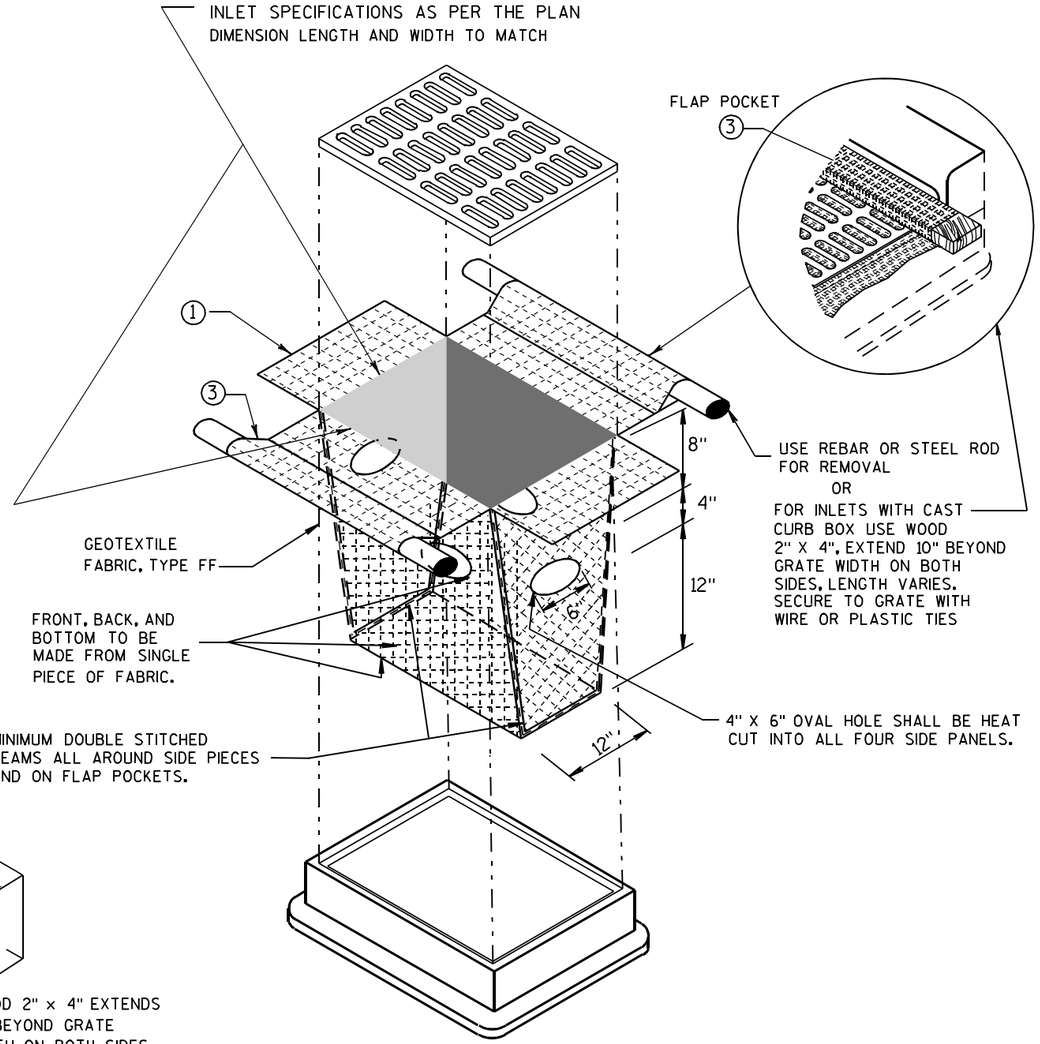


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

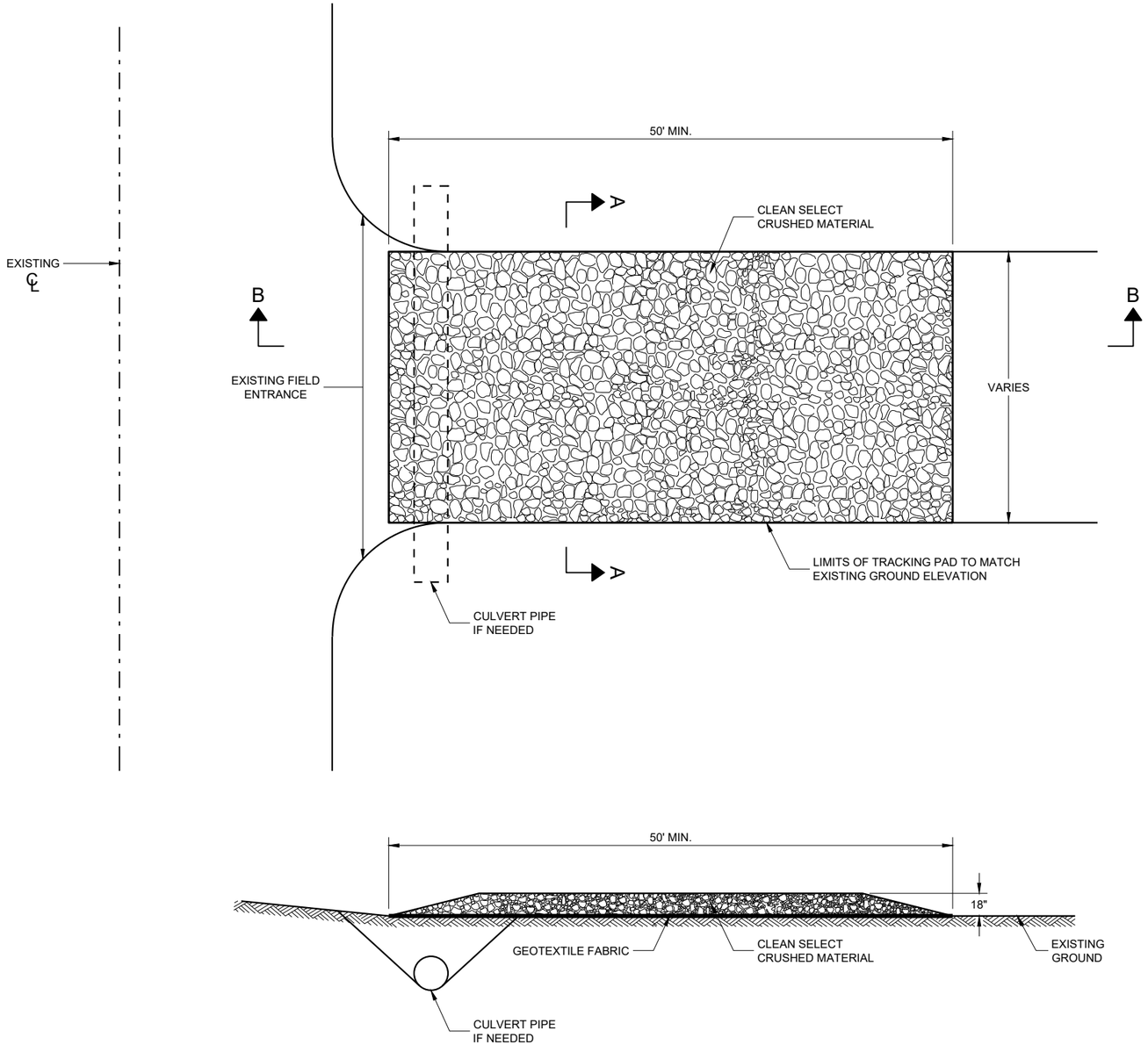
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

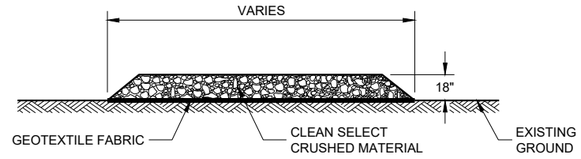
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

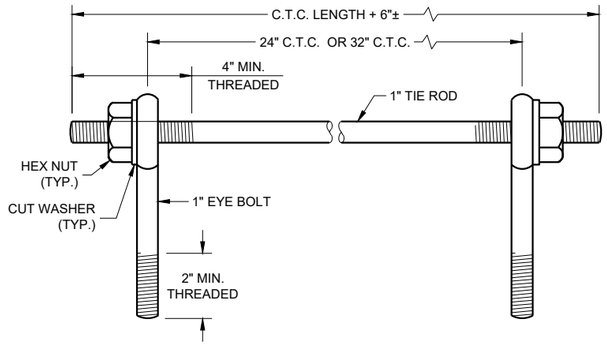
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

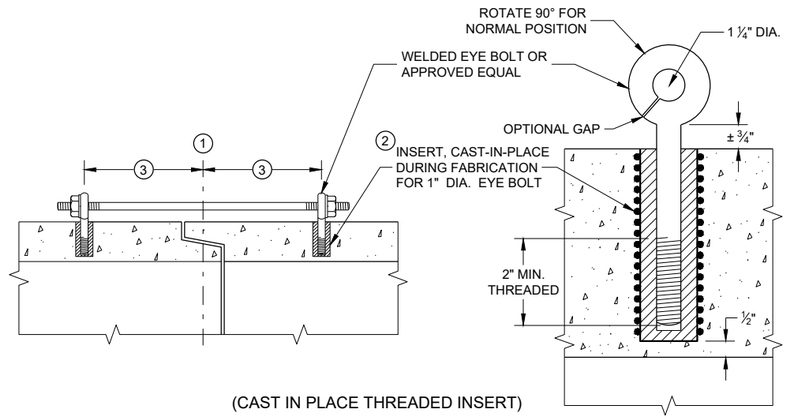
FHWA

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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

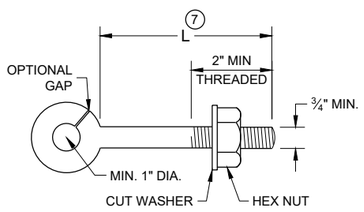
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

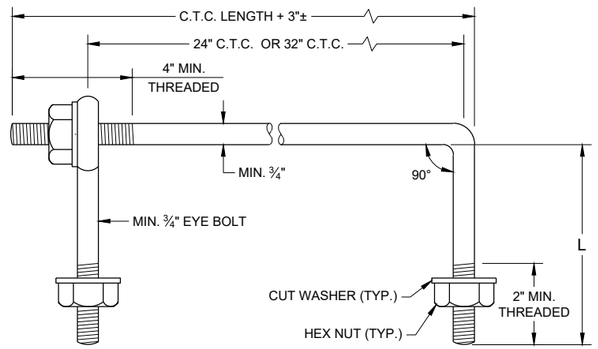
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

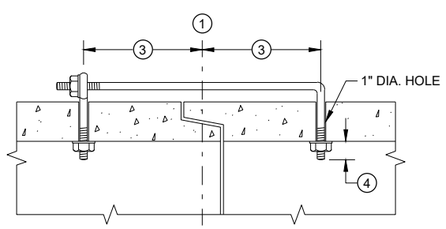


EYE BOLT (7)

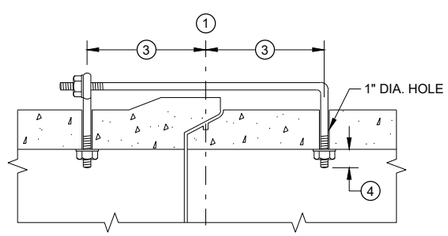
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

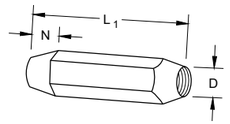
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

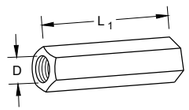
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



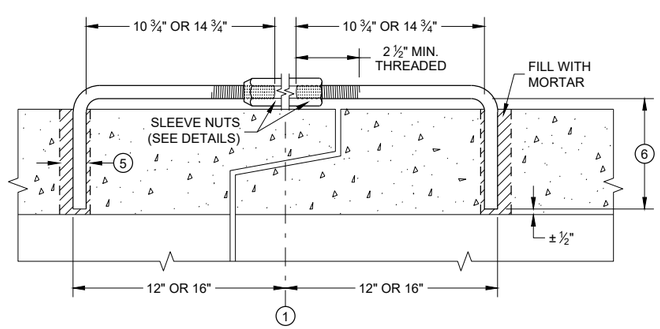
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PLAIN

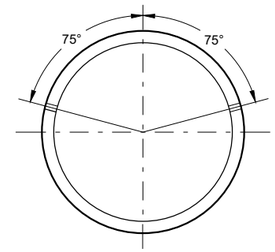
RIGHT AND LEFT THREADS

SLEEVE NUTS



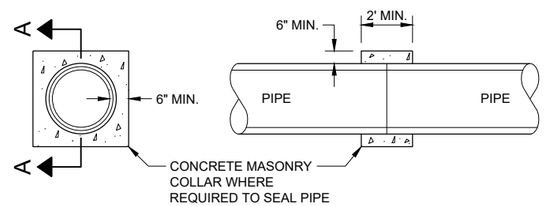
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

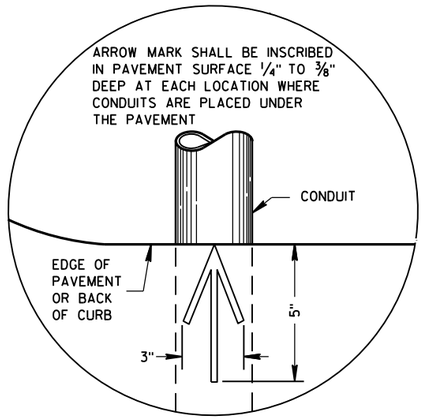
APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

759

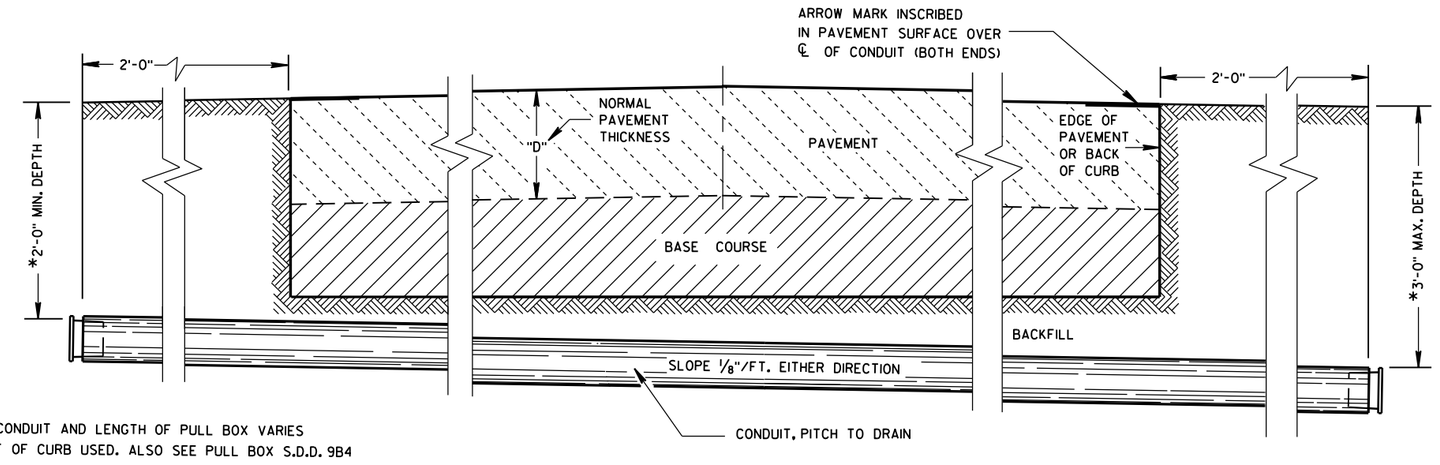
SDD 08F04 - 08

SDD 08F04 - 08



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

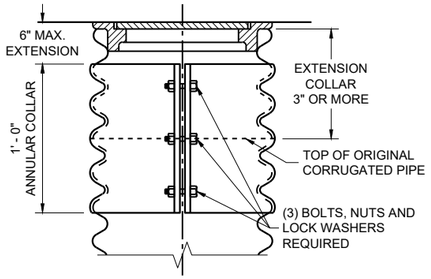
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

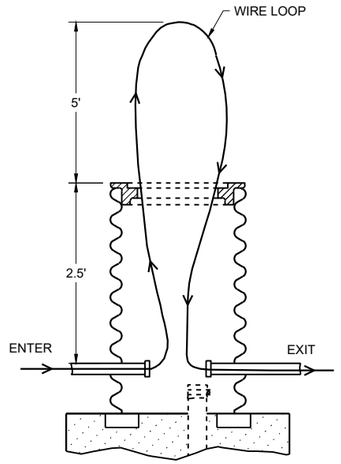
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 760
FHWA

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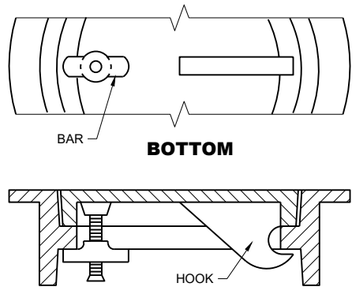
S.D.D. 9 B 2-10



CORRUGATED PIPE EXTENDER



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



BOTTOM

SECTION

ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

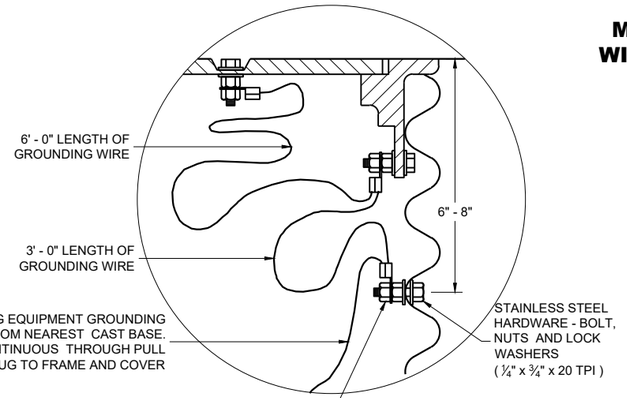
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

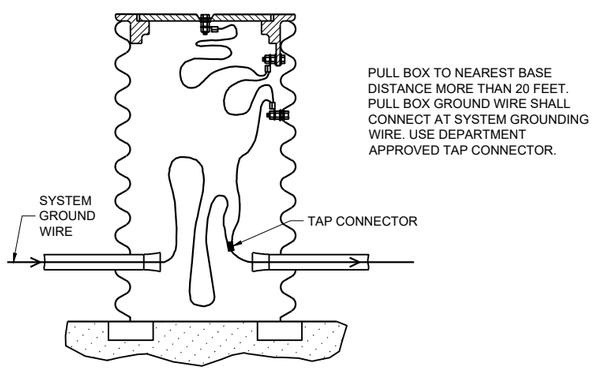
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

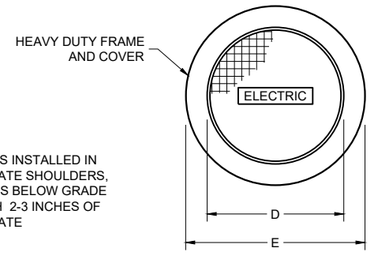
WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



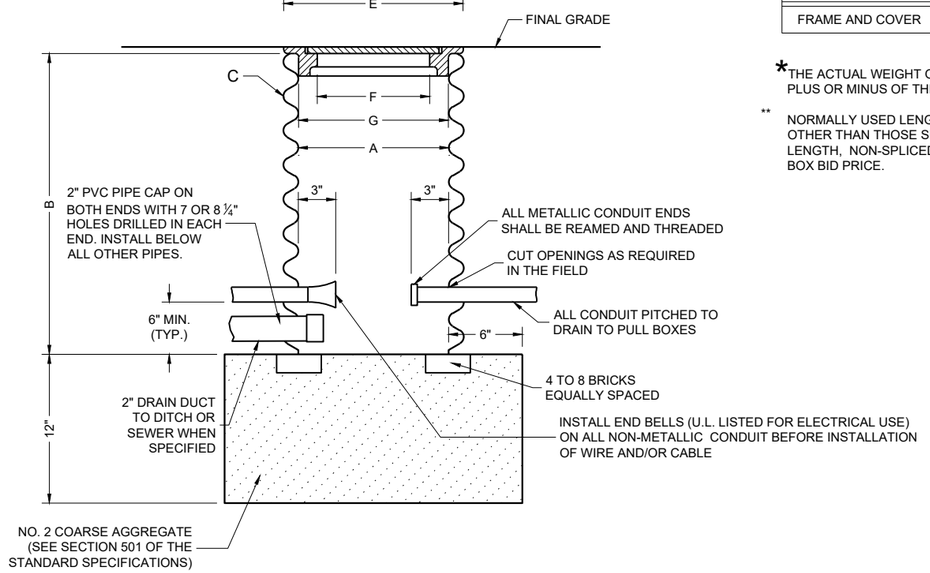
EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE



PULL BOX

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

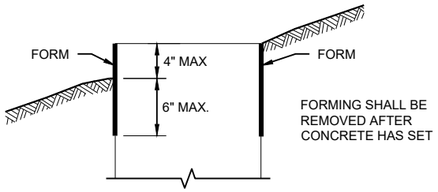
6

SDD 09B04-13

6

SDD 09B04-13

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

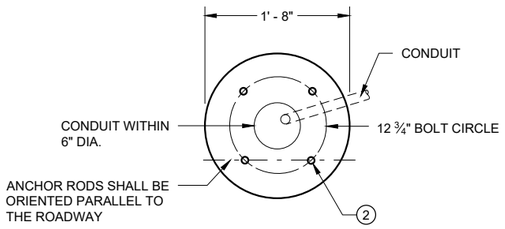
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

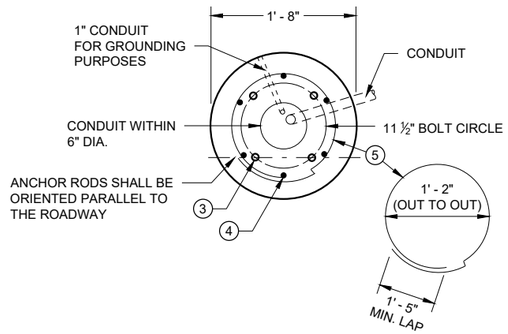
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

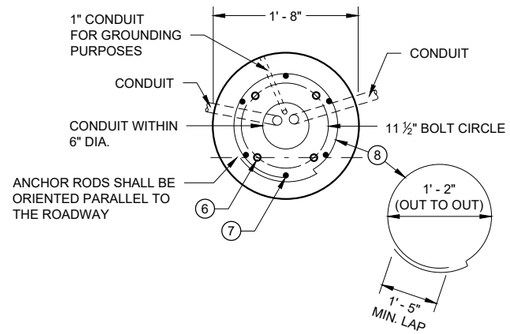
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

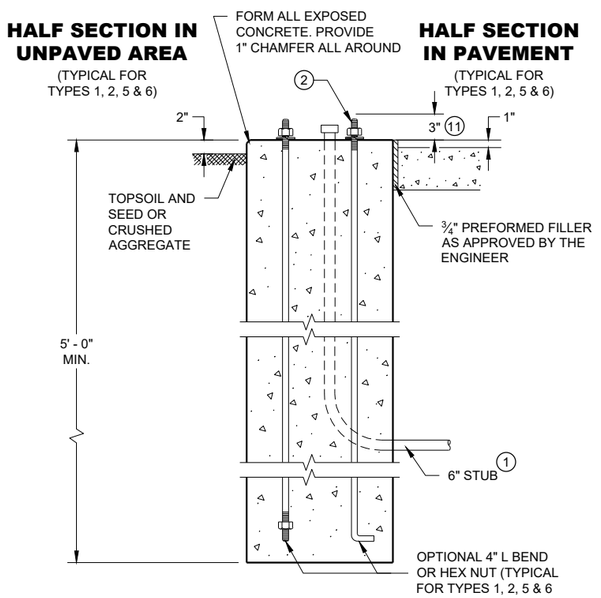
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

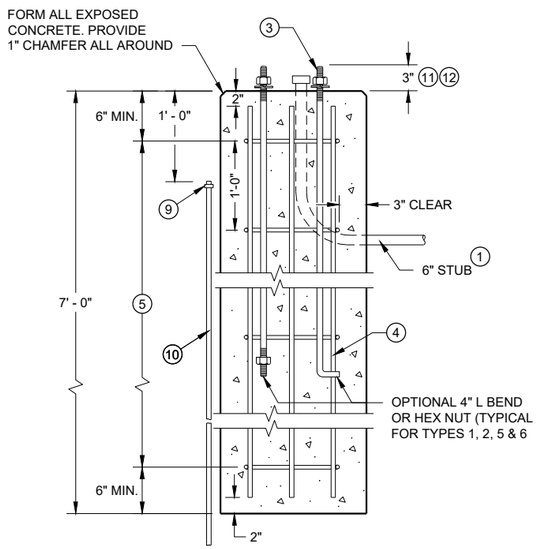




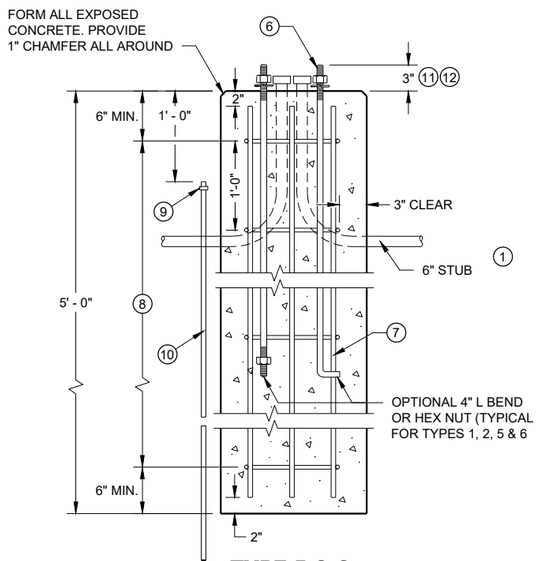




TYPE 1



TYPE 2



TYPE 5 & 6

1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 762
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

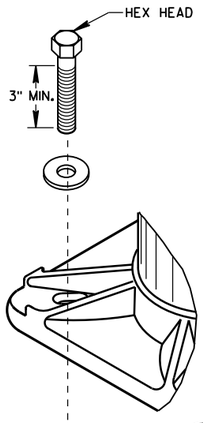
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

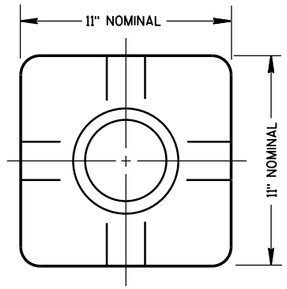
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

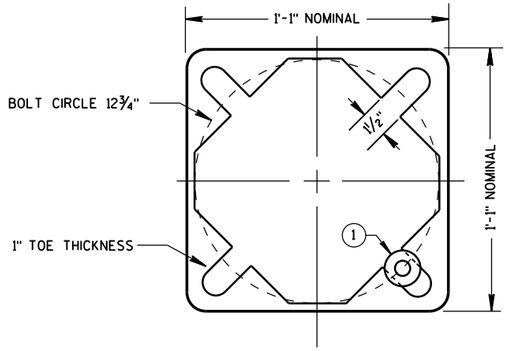
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

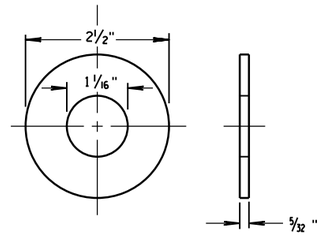




TOP VIEW
(PEDESTAL BASE)

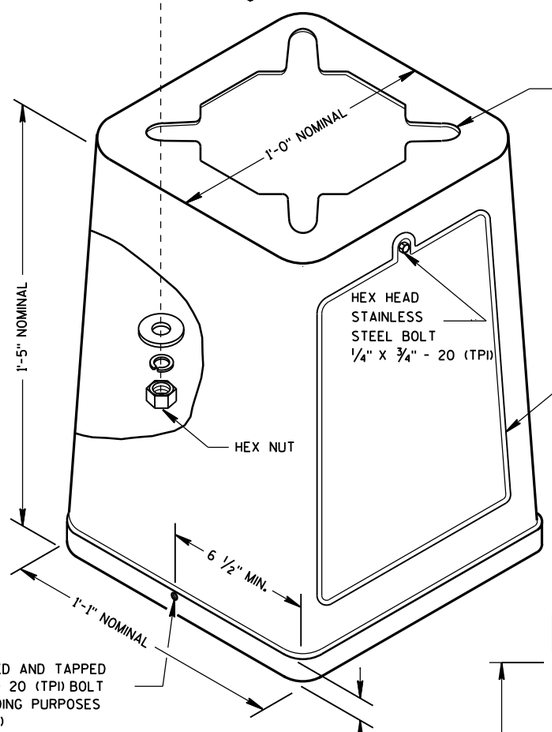


BOTTOM VIEW
(PEDESTAL BASE)

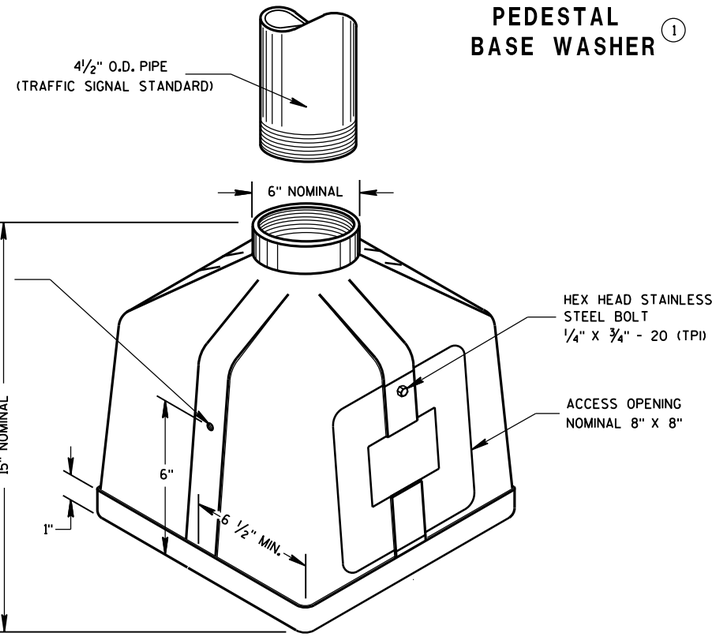


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

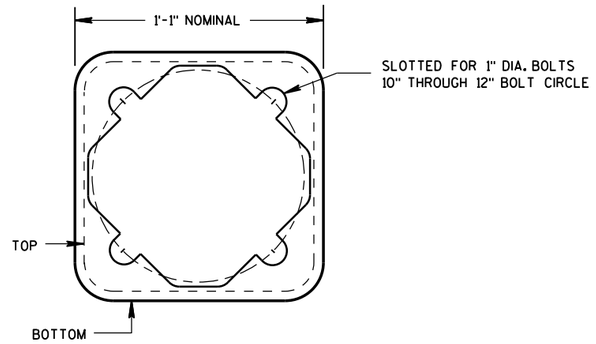
PEDESTAL BASE WASHER (1)



ISOMETRIC VIEW



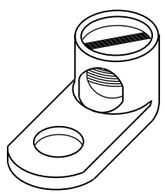
ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

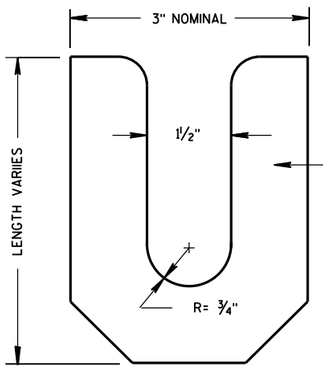
TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept. 2014 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL 763
FHWA	

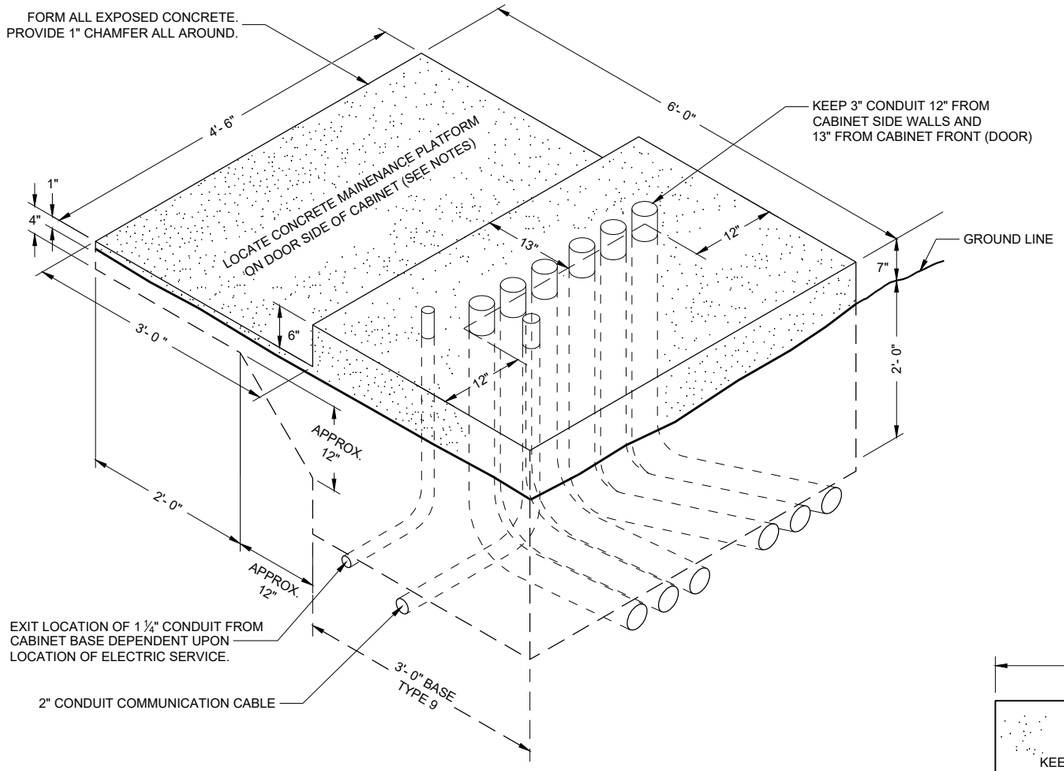
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S.D.D. 9 C 3-4

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S.D.D. 9 C 3-4

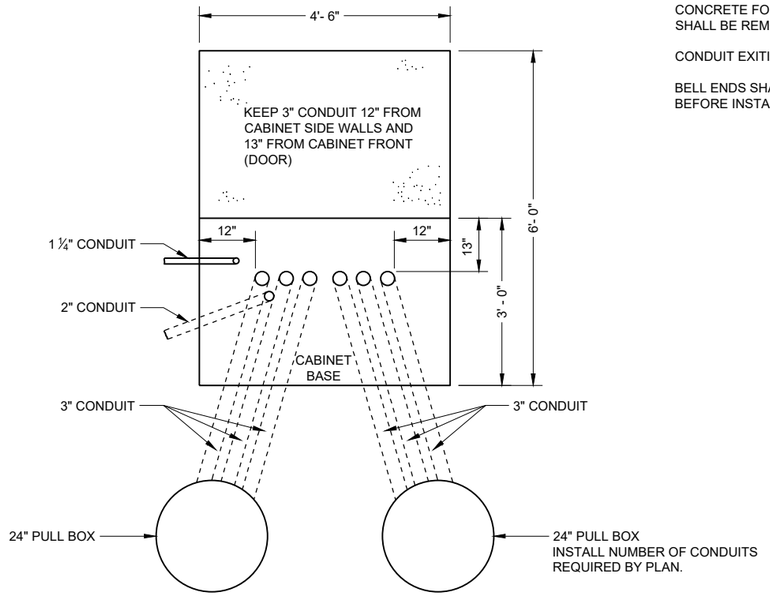
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 764

FHWA

6
SDD 09C06 - 07

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

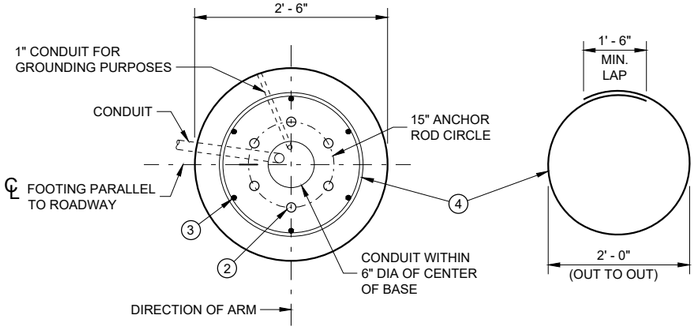
(2) (6) 1 ½ DIA. X 4' - 4" ANCHOR RODS

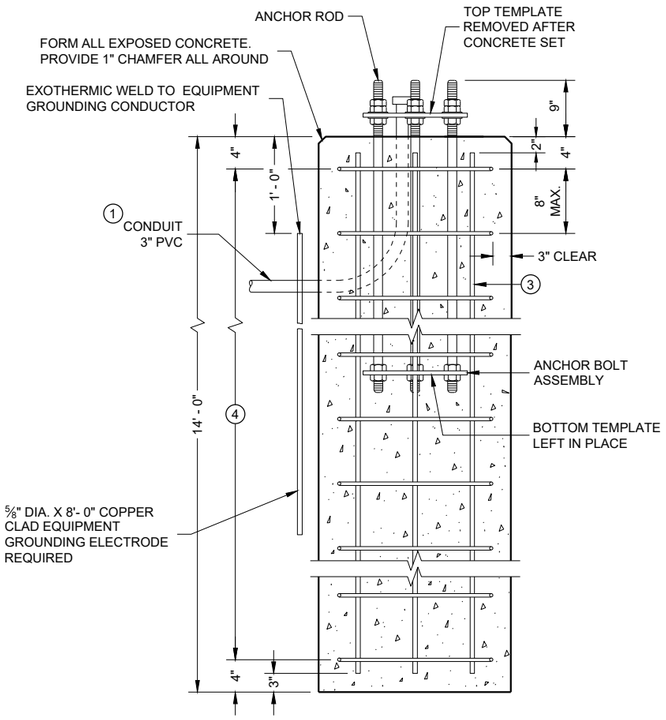
(3) (6) NO. 6 X 13' - 7" BAR STEEL REINFORCEMENT.

(4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.

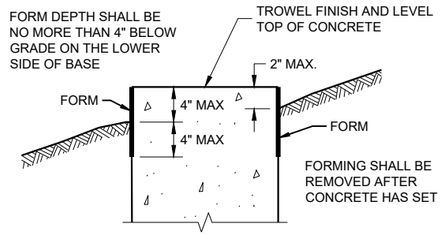
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122



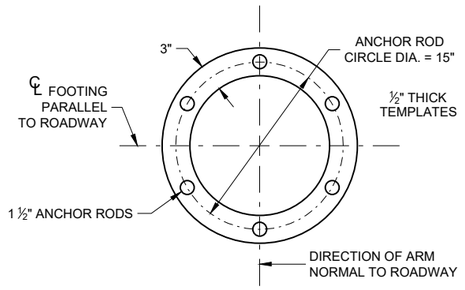


CONCRETE BASE, TYPE 10
(FOR TYPE 9, TYPE 10 AND OVER HEIGHT (OH) POLES)

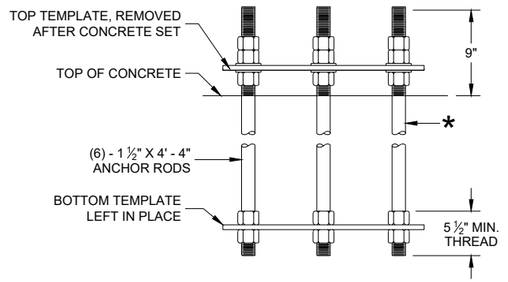
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demerbilek — WIND LOADED STRUCTU PROGRAM LEADER
765
FHWA

6

SDD 09C11 - 10

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

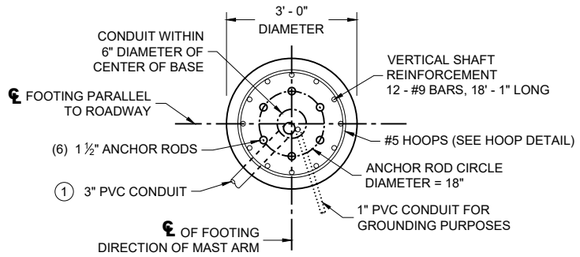
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

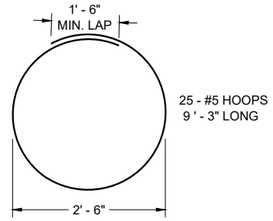
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

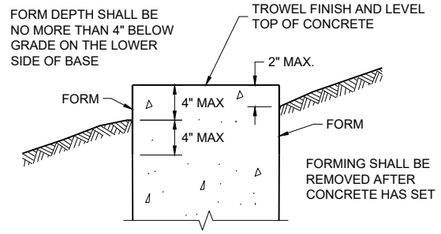
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55.....fy = 55,000 p.s.i.
(IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



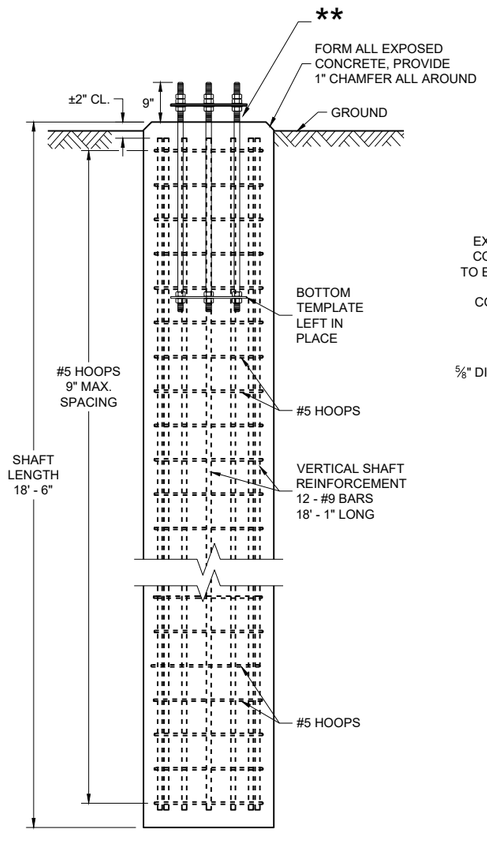
PLAN VIEW



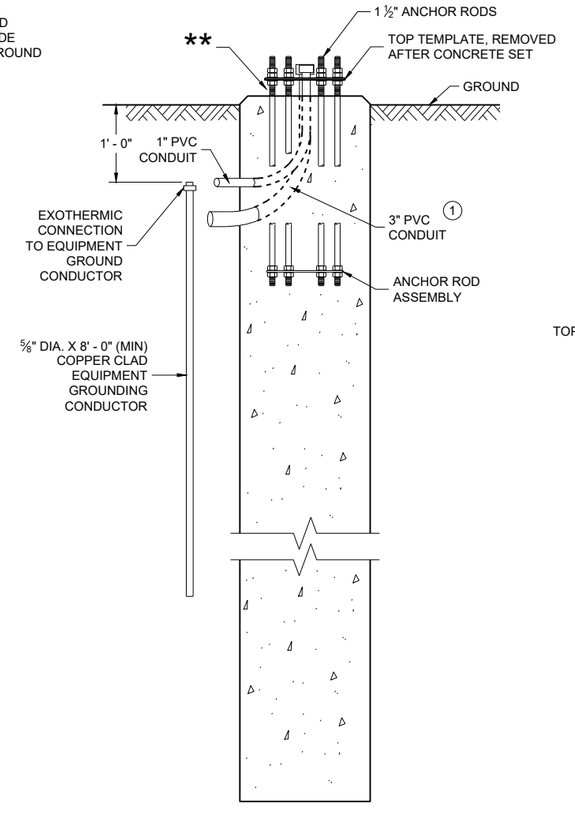
HOOP DETAIL



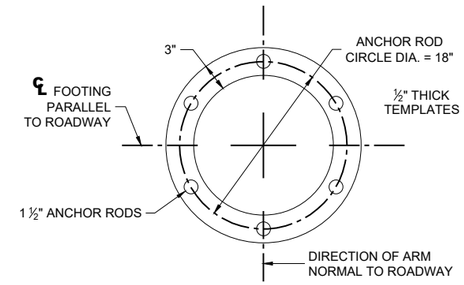
FORMING DETAIL



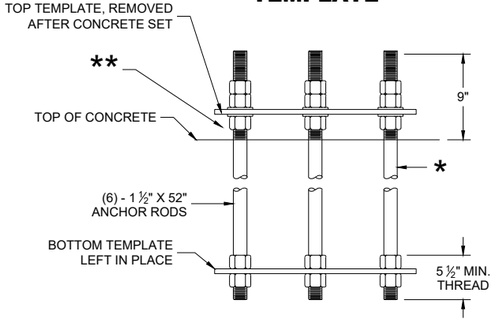
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

** RODENT PROTECTION REQUIRED

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES AND OVER HEIGHT (OH) POLES)

CONCRETE = 4.8 CUBIC YARD
H.S. REINFORCEMENT = 979 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

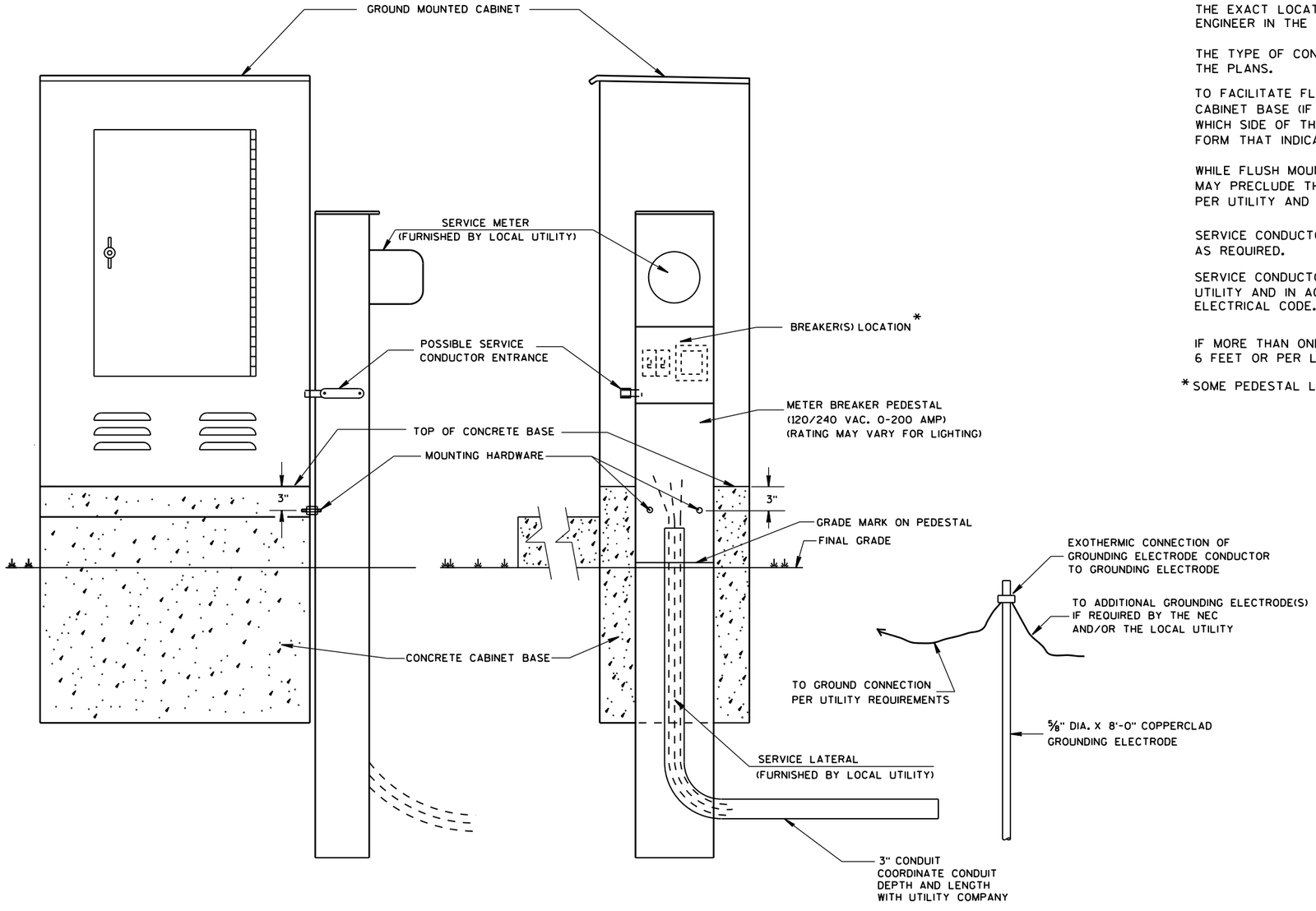
CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTURES PROGRAM LEADER

FHWA

6
SDD 09C15-03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

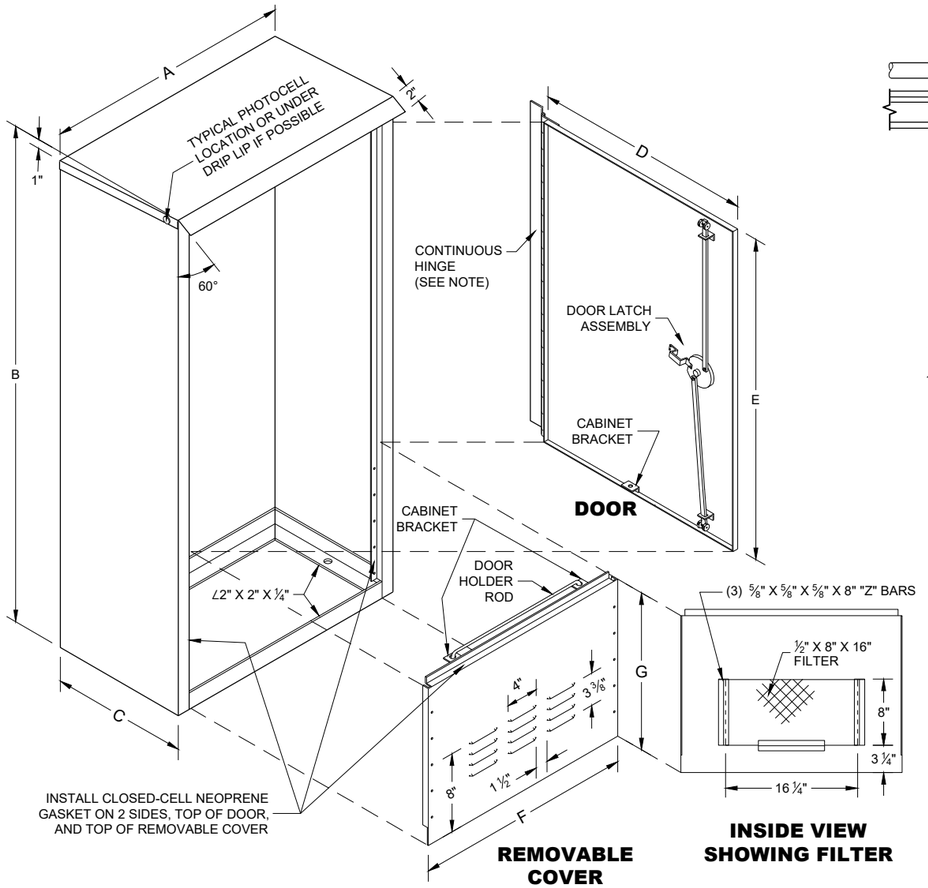
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

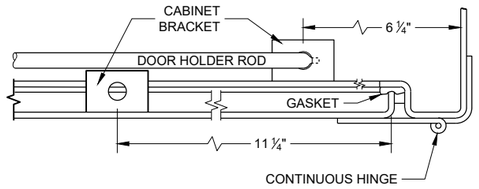
FHWA



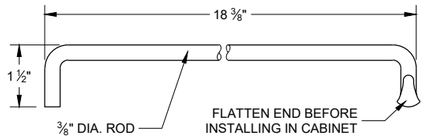
DOOR

REMOVABLE COVER

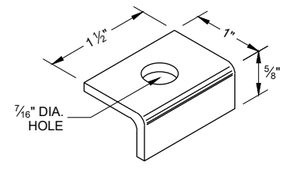
INSIDE VIEW SHOWING FILTER



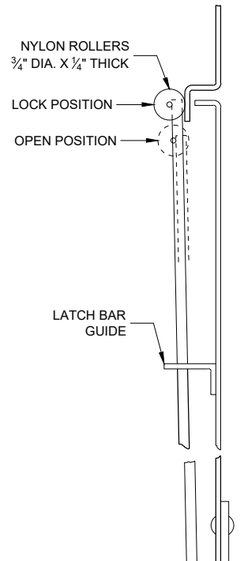
HINGE AND DOOR HOLDER

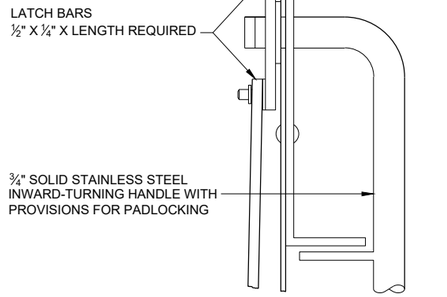


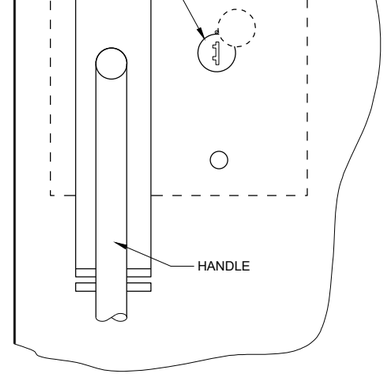
HOLDER ROD



CABINET BRACKET







SIDE VIEW **FRONT VIEW**

LATCH ASSEMBLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

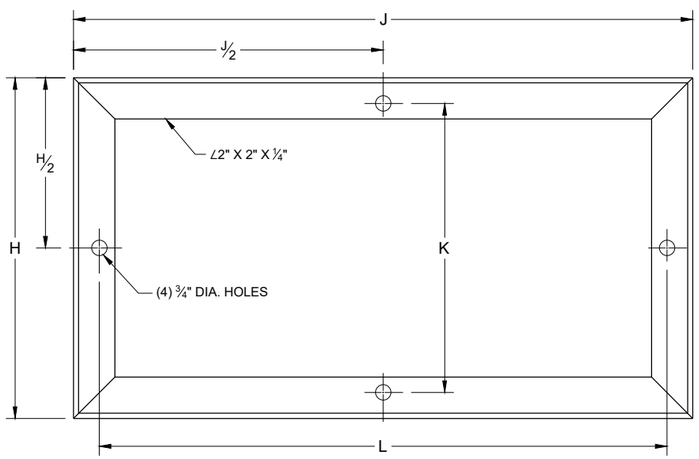
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

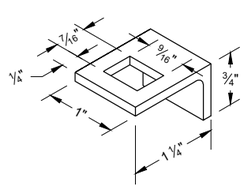
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

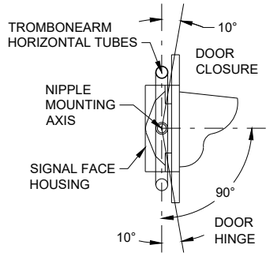
APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 768

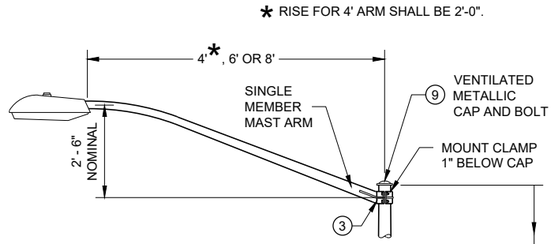
FHWA

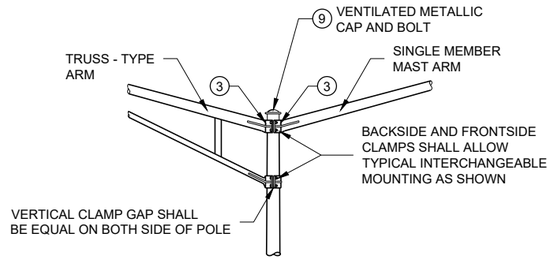
SDD 09D02 - 03

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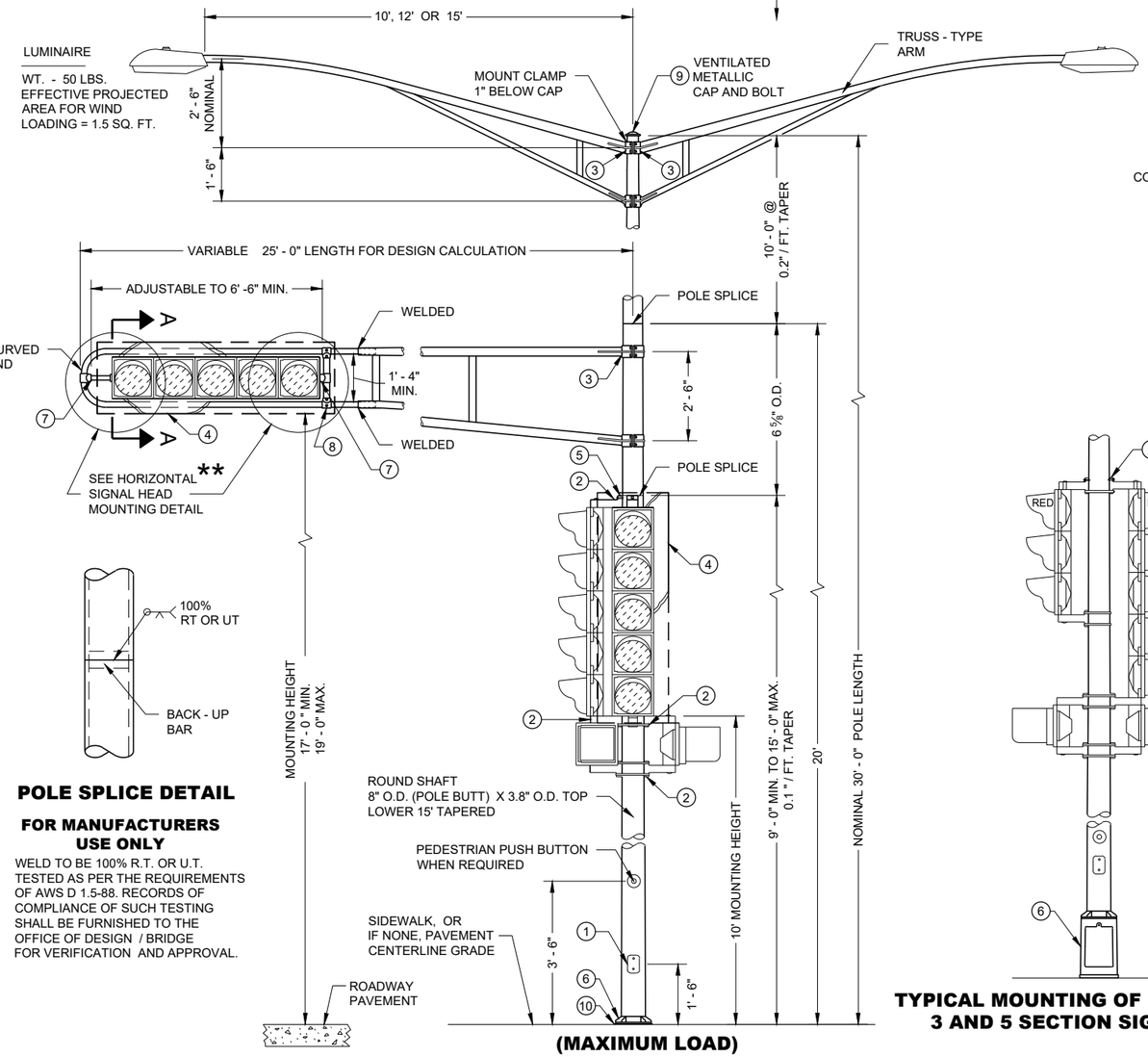


SECTION A-A



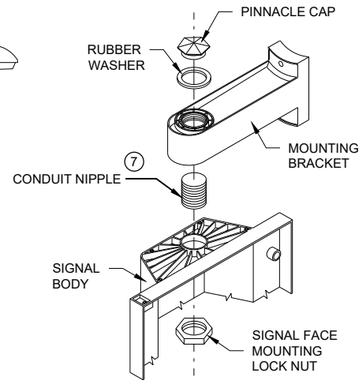


INTERCHANGEABLE MOUNTING DETAIL



(MAXIMUM LOAD)

TYPE 3 POLE MOUNTING CONFIGURATION

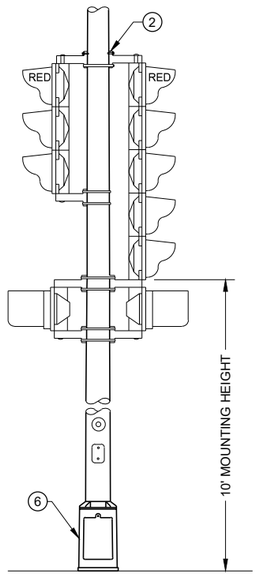


SIGNAL FACE MOUNTING DETAIL
(BANDED)

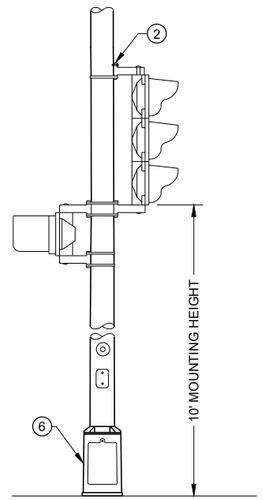
POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

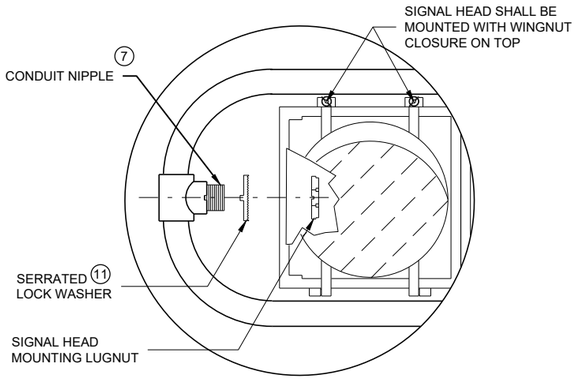
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

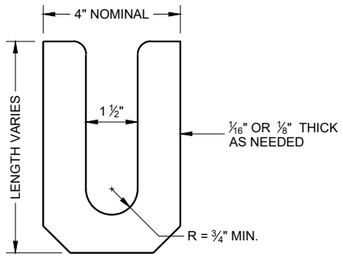
(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

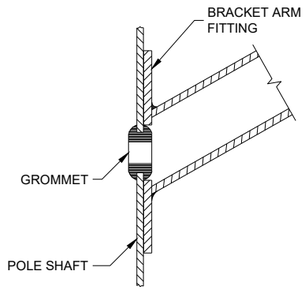
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

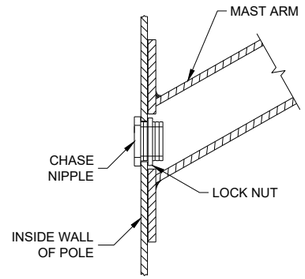
SDD 09E01 - 15b



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

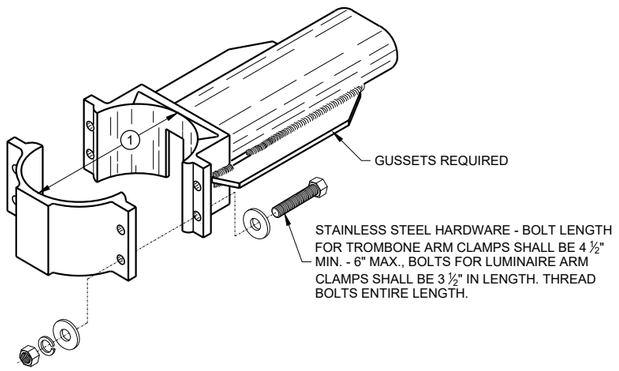
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

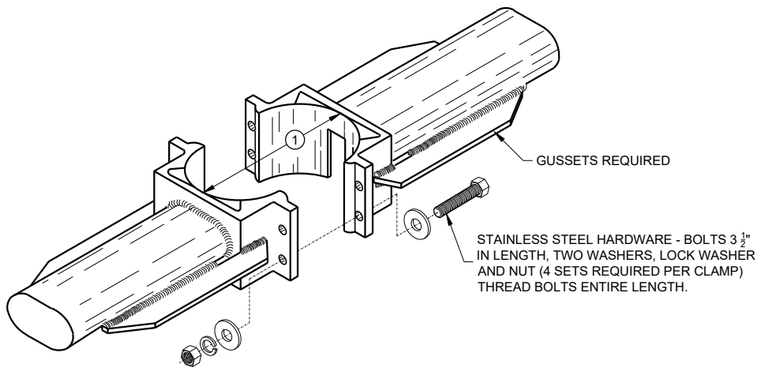
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

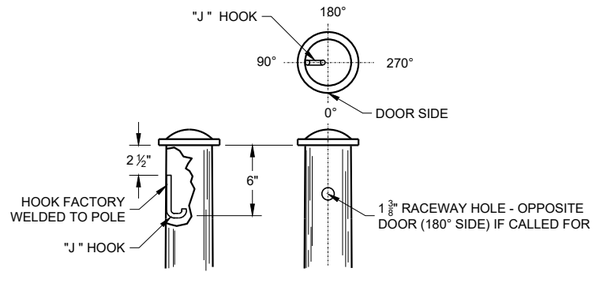
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



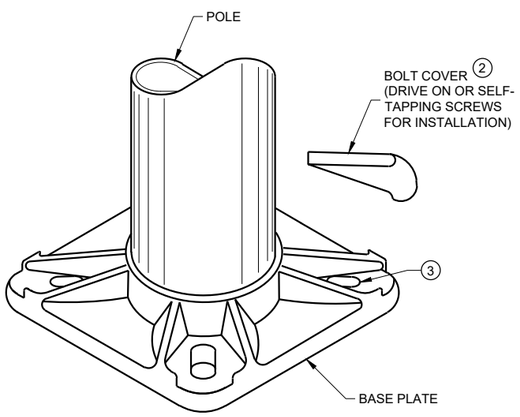
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



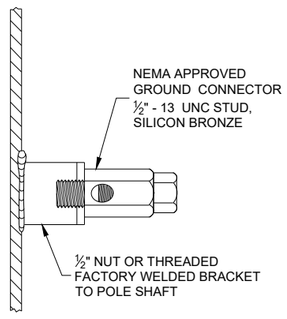
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

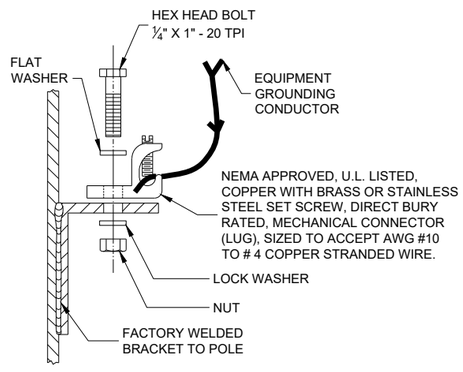


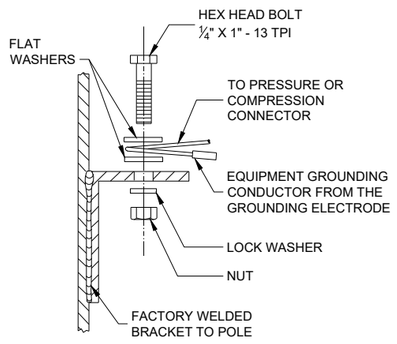
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 770

FHWA

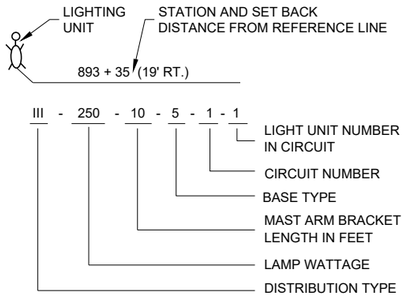
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SDD 09E01 - 15g

GENERAL NOTES

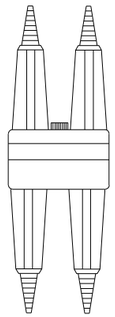
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

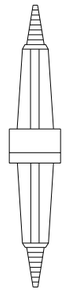
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



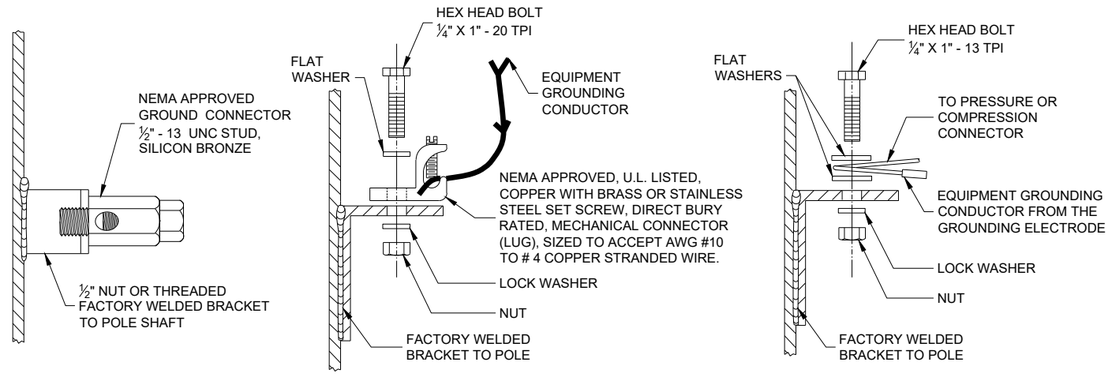
LIGHTING UNIT CODE
(TYPICAL)



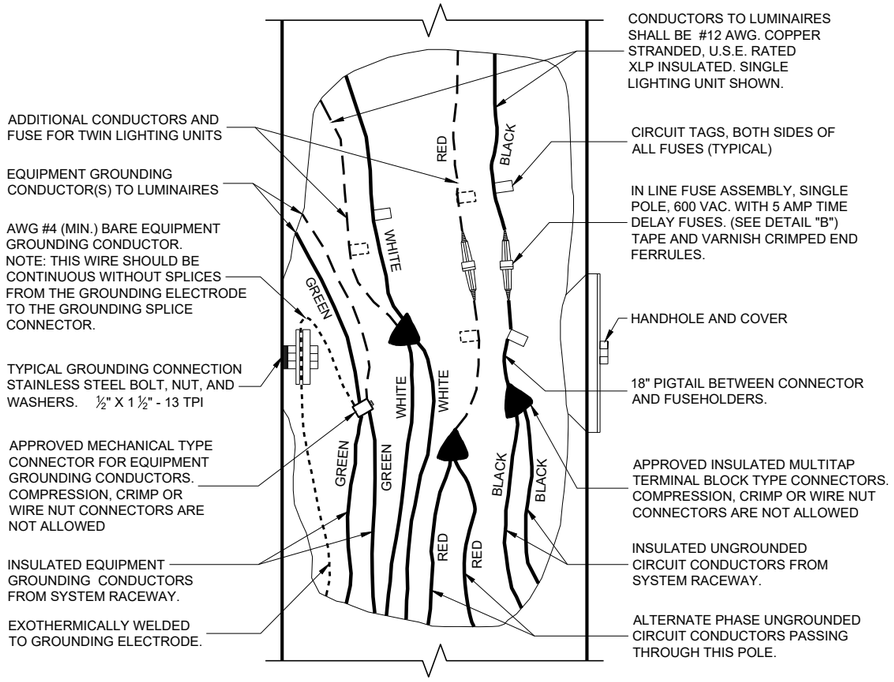
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



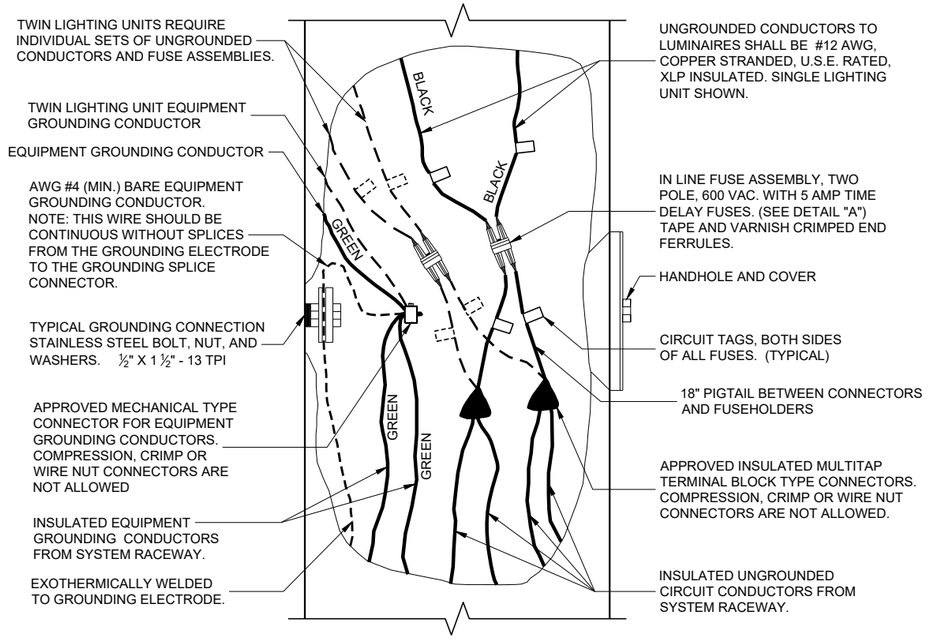
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 771

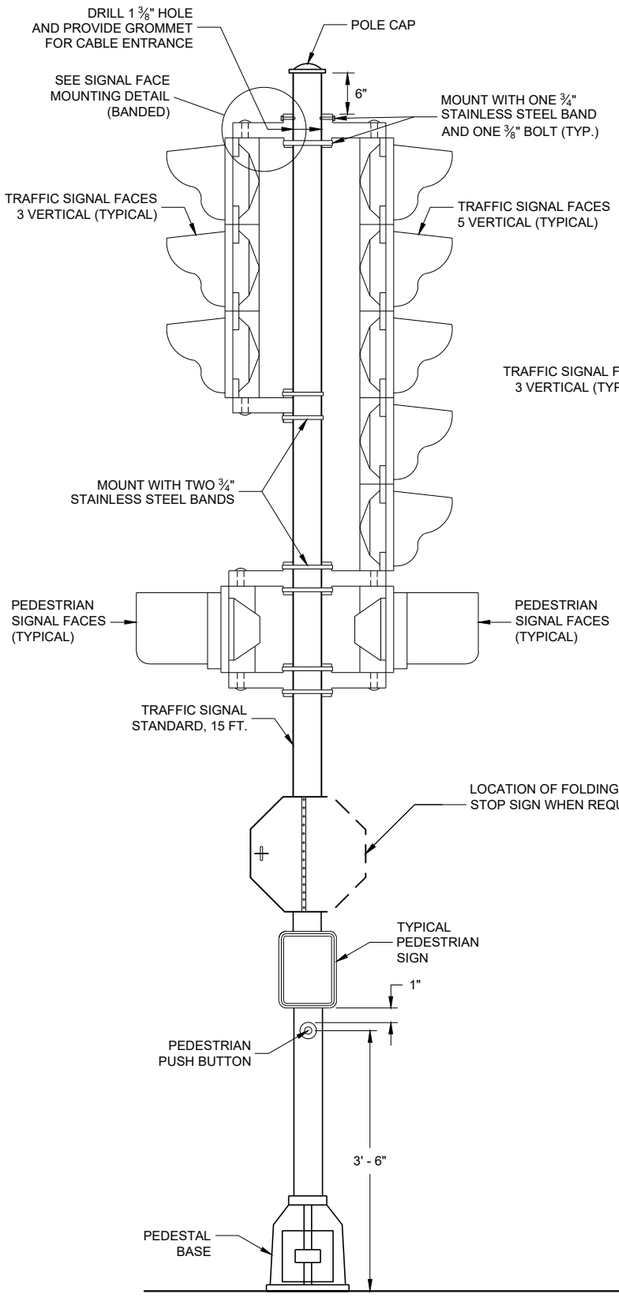
FHWA

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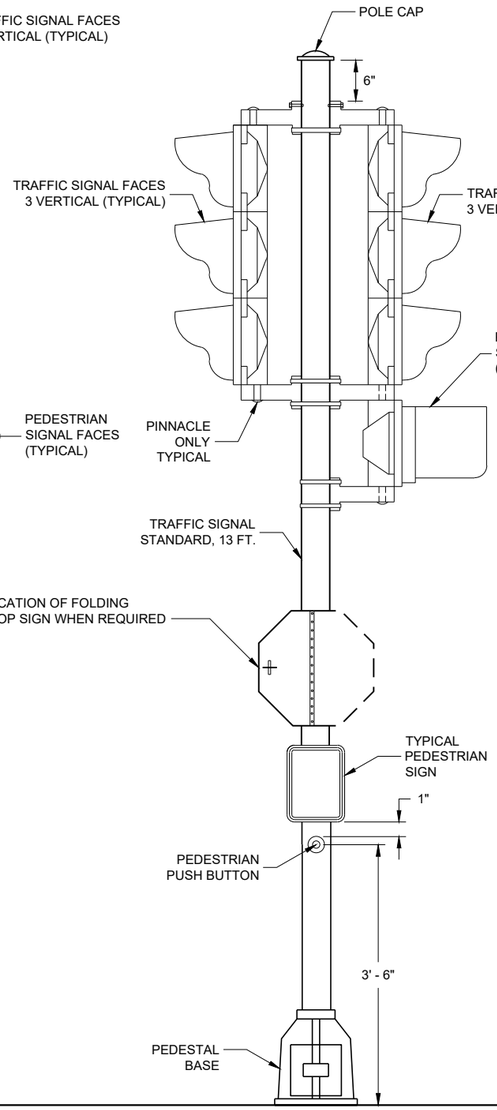
SDD 09E03 - 06

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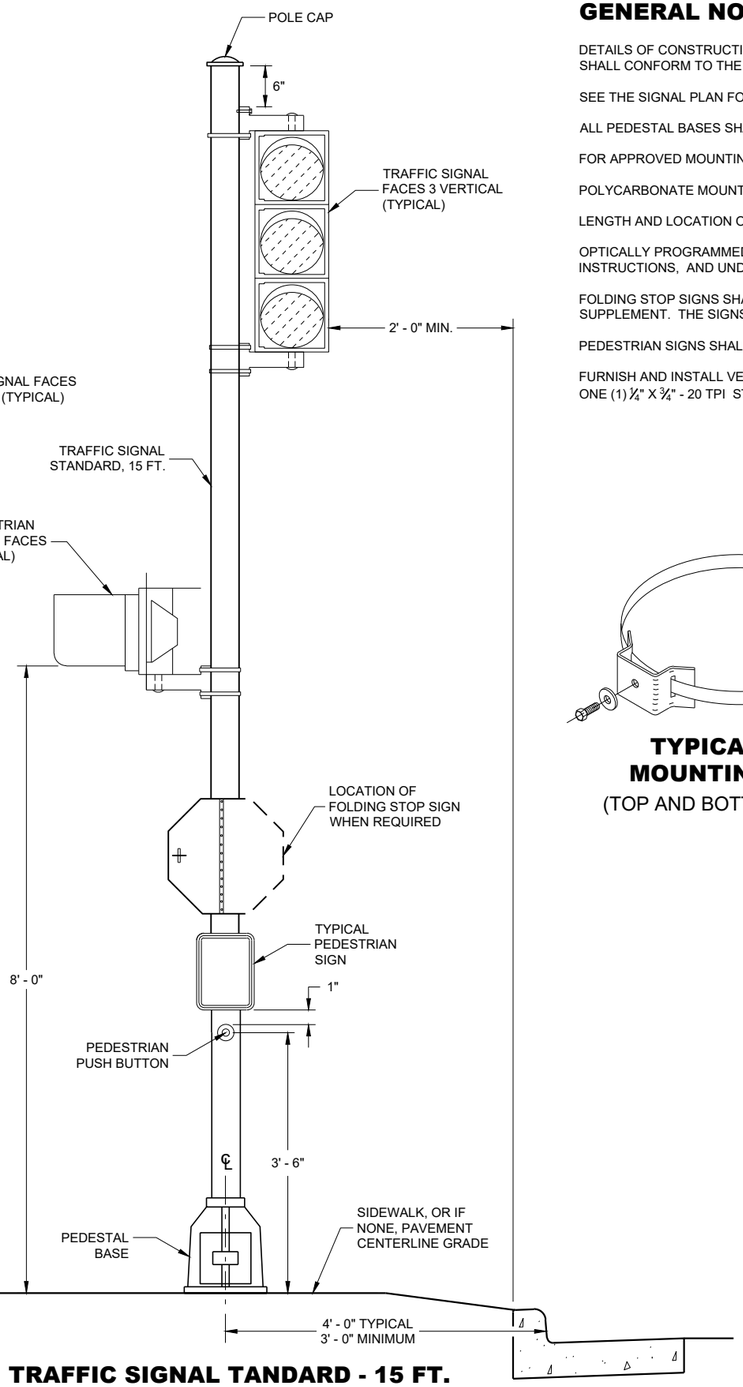
SDD 09E03 - 06



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

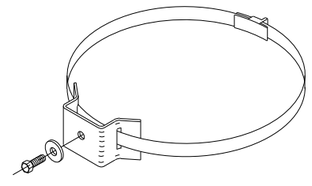
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

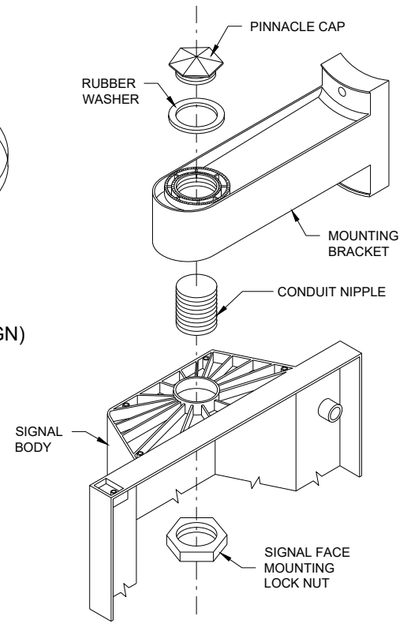
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

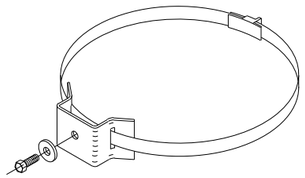
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

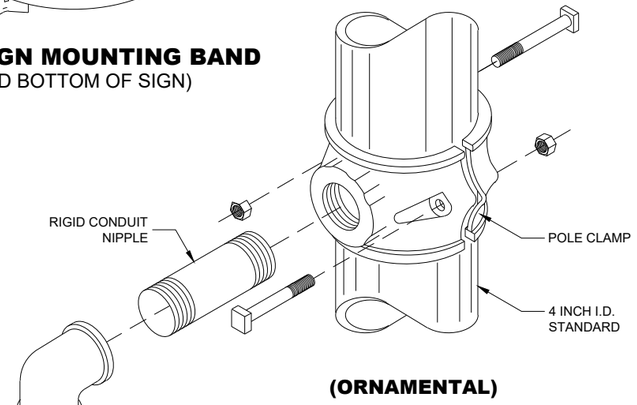
APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 772

FHWA

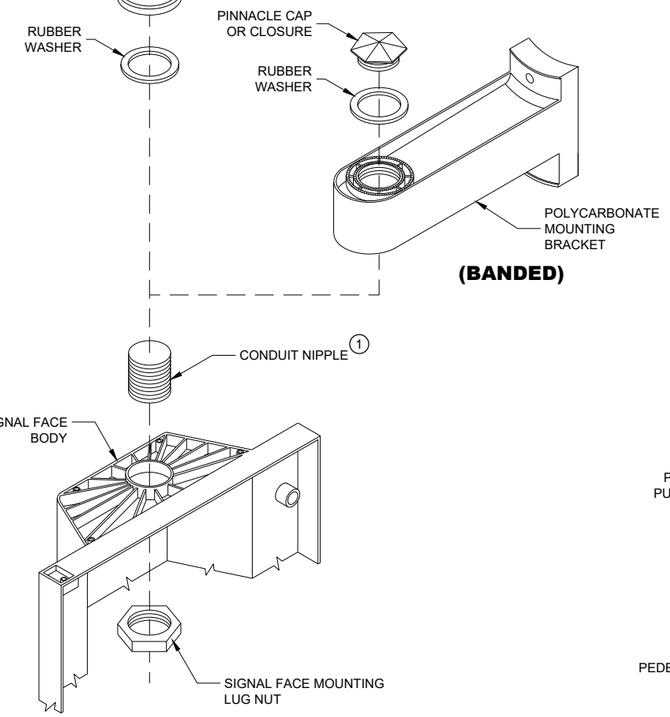
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SDD 09E06 - 05



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

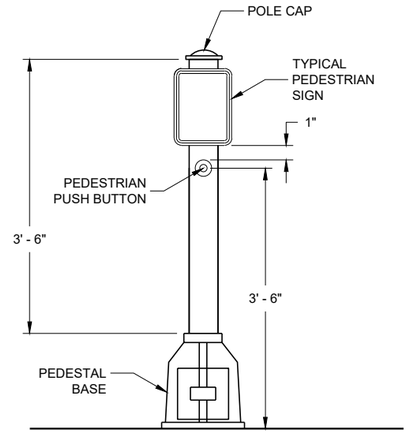


(ORNAMENTAL)



(BANDED)

SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

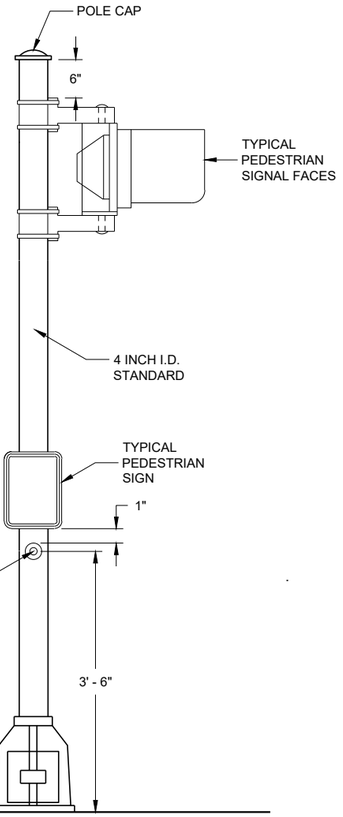
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

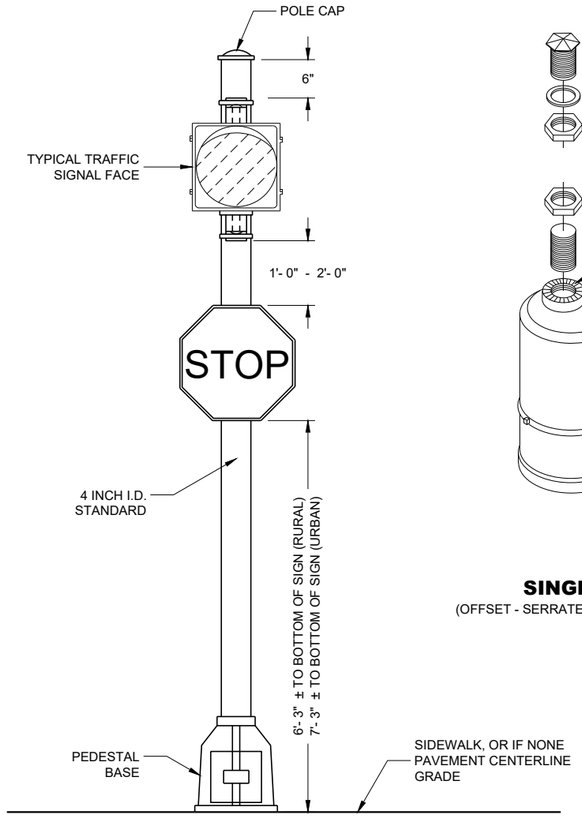
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

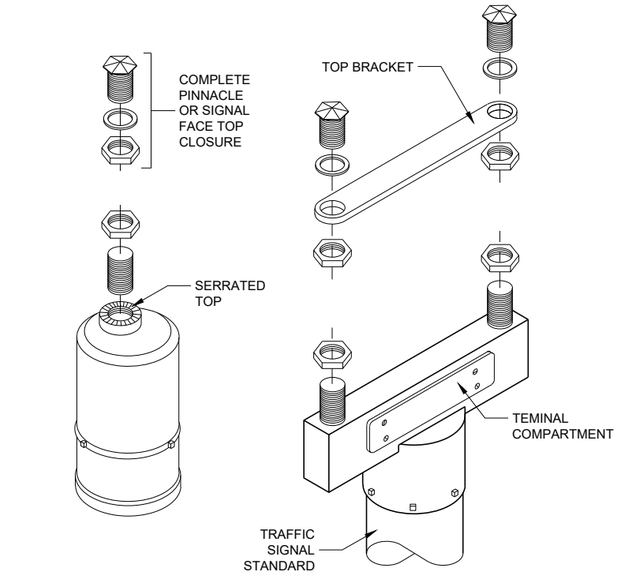
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

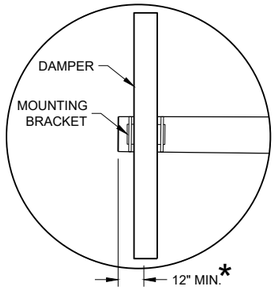
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 773

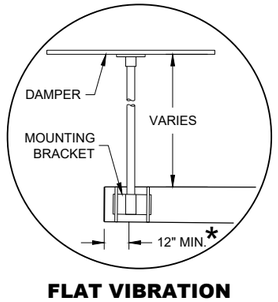
FHWA

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SDD 09E07 - 06

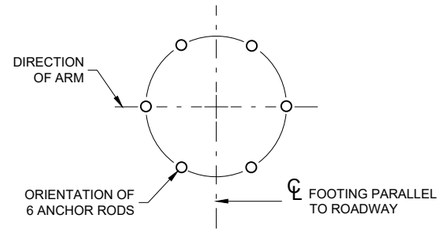


DUMBBELL VIBRATION DAMPER

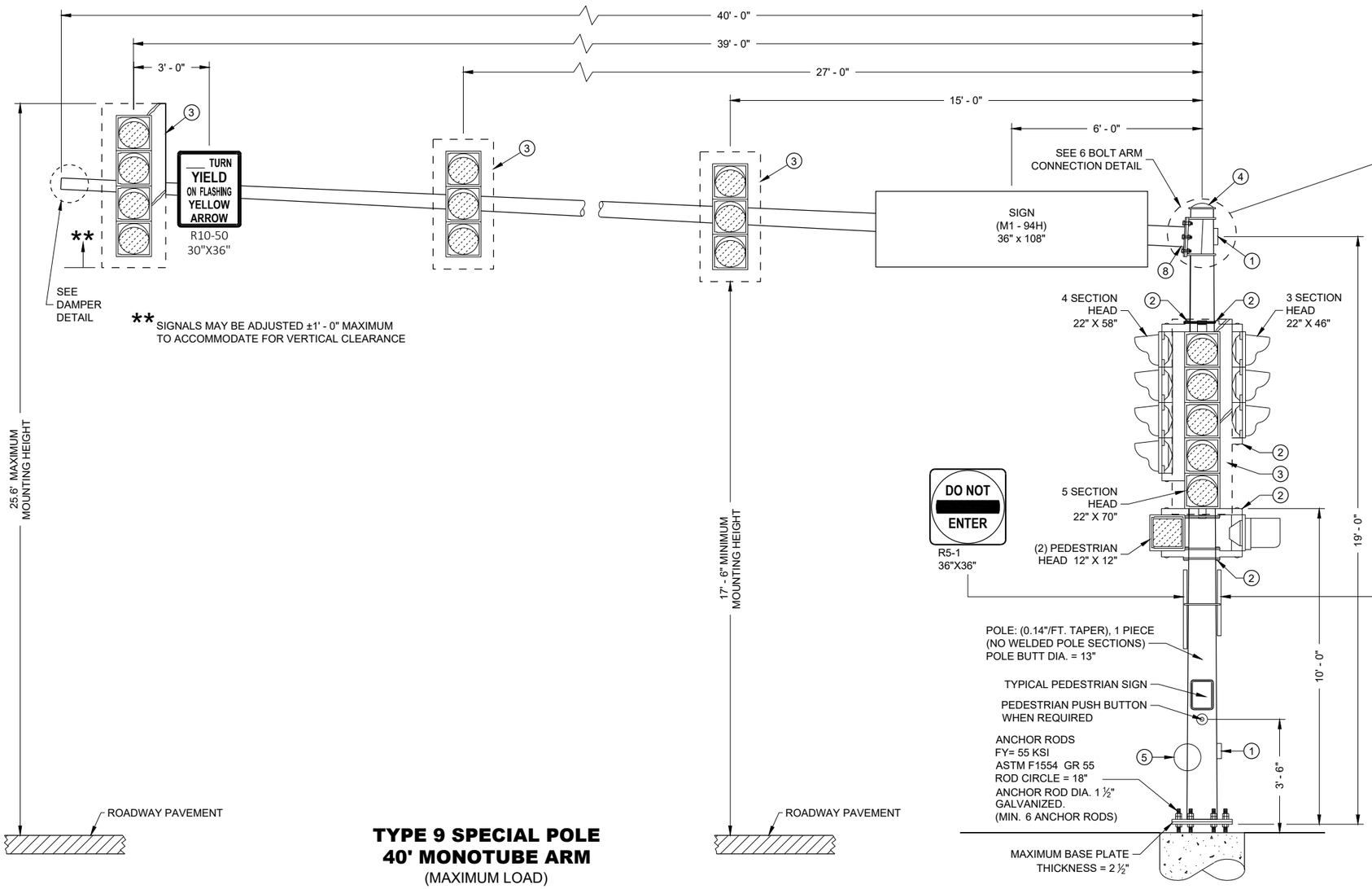


FLAT VIBRATION DAMPER

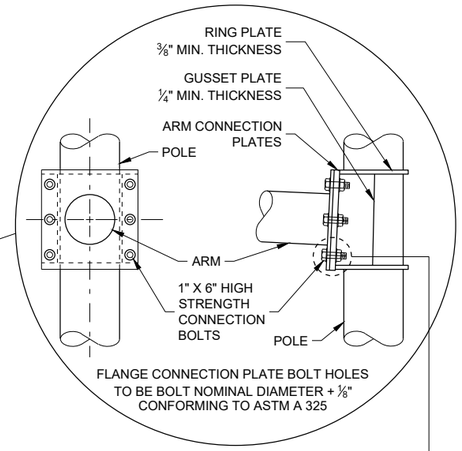
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.



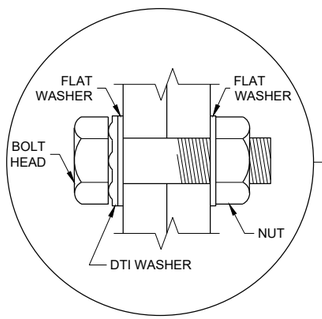
ANCHOR ROD LOCATION



TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE 40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 774

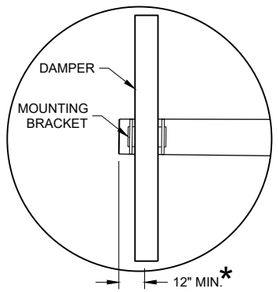
FHWA

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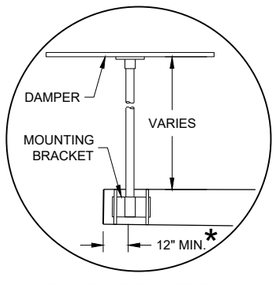
SDD 09E08 - 09c

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SDD 09E08 - 09c

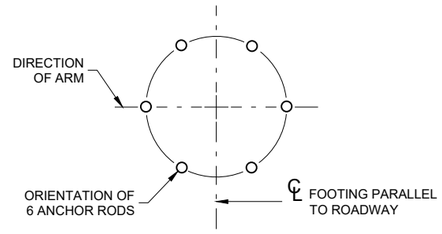


DUMBBELL VIBRATION DAMPER

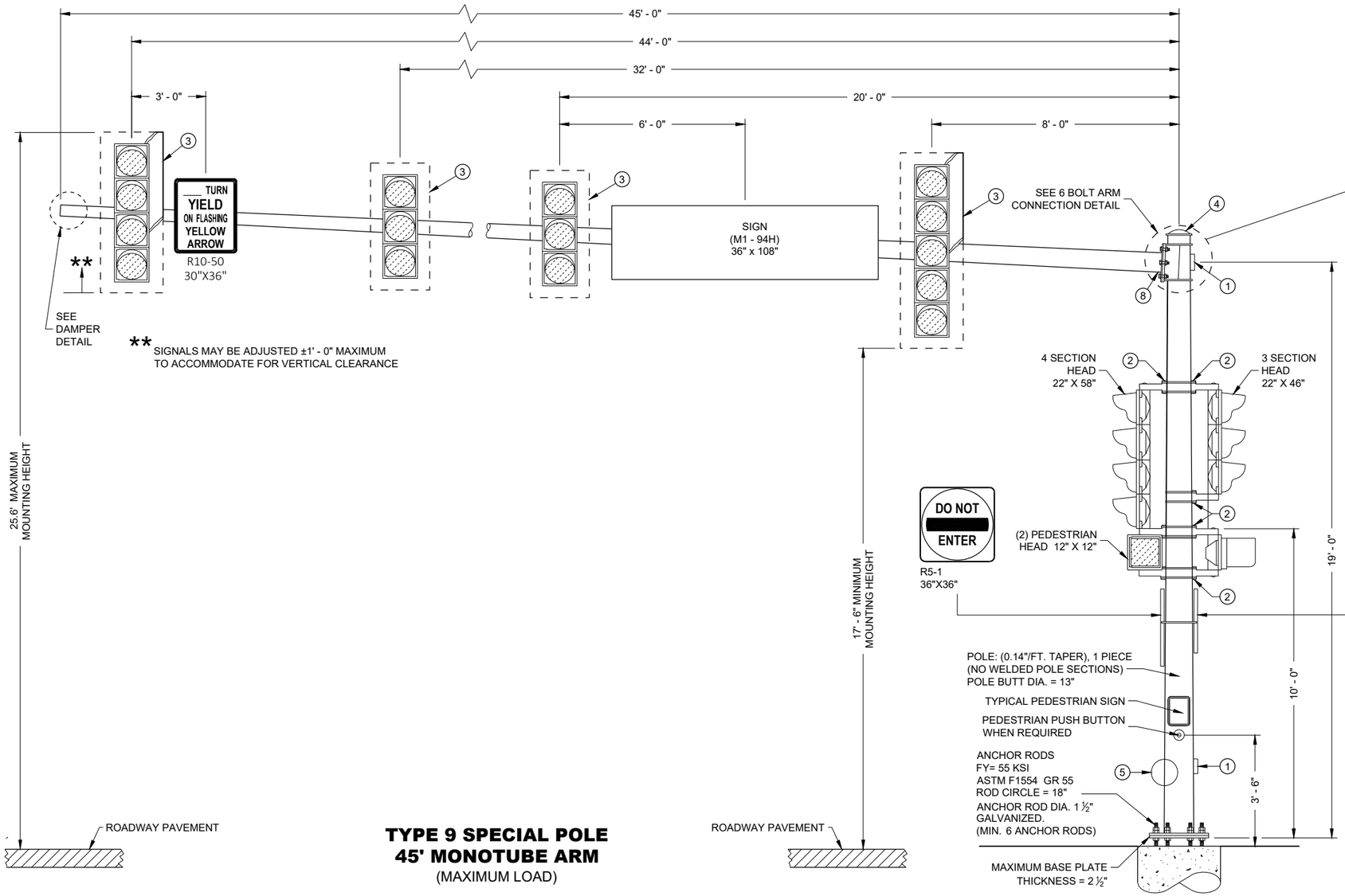


FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

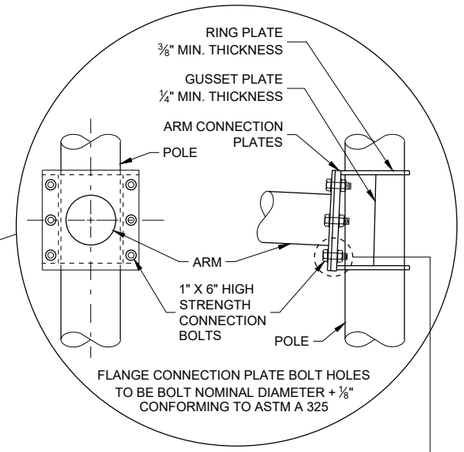


ANCHOR ROD LOCATION

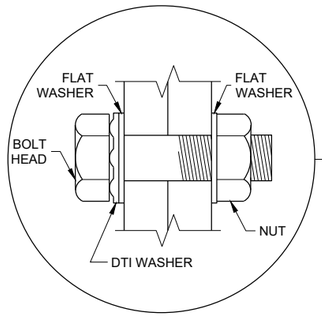


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

TYPE 9 SPECIAL POLE 45' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE 45' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

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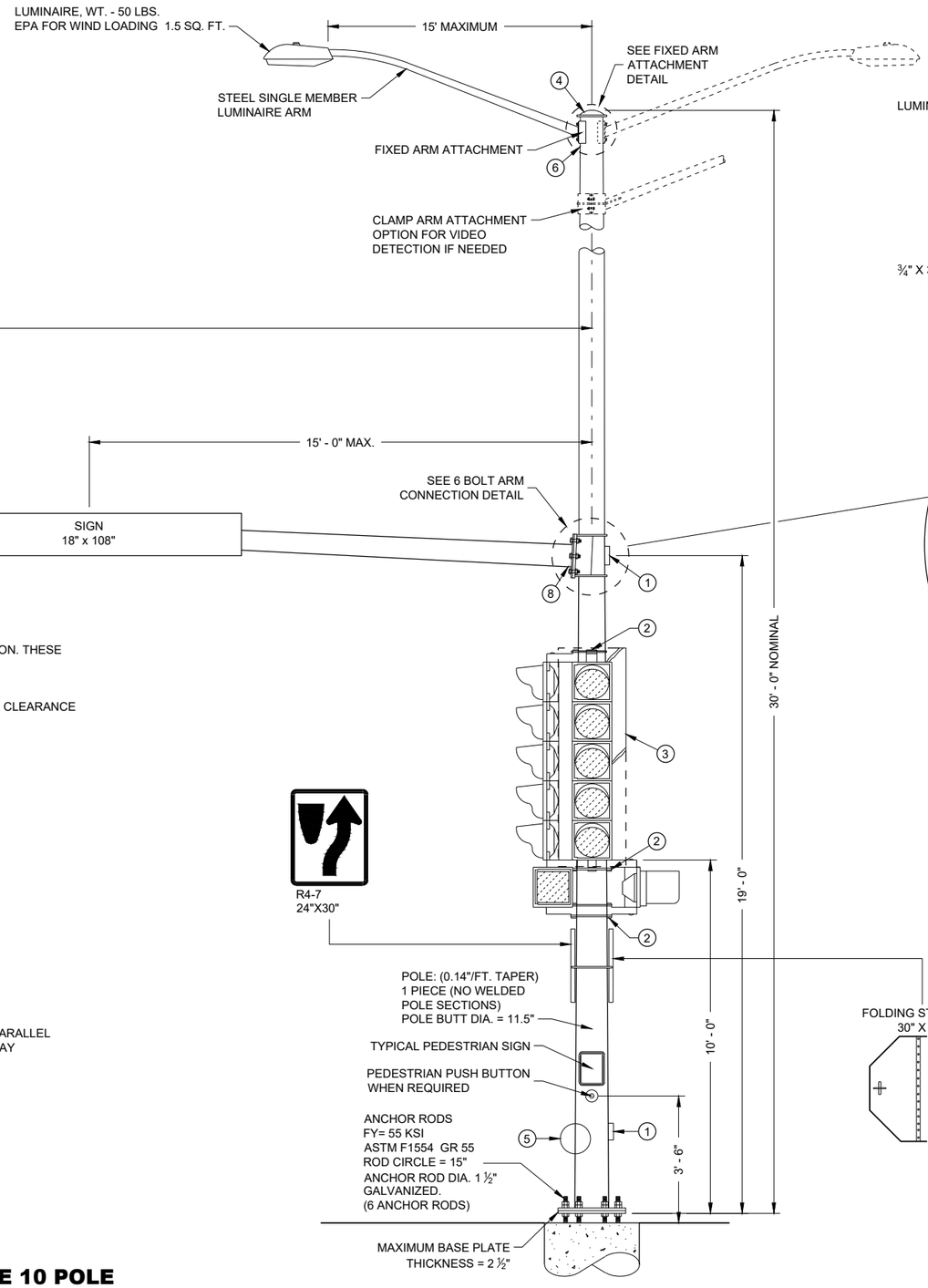
FHWA

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SDD 09E08 - 09d

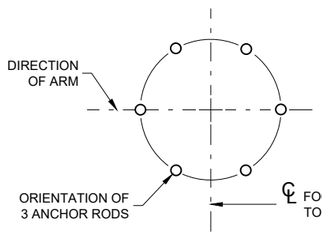
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SDD 09E08 - 09d

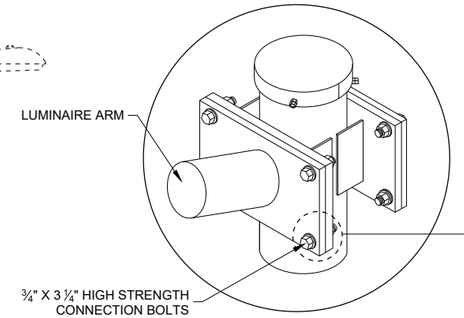


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

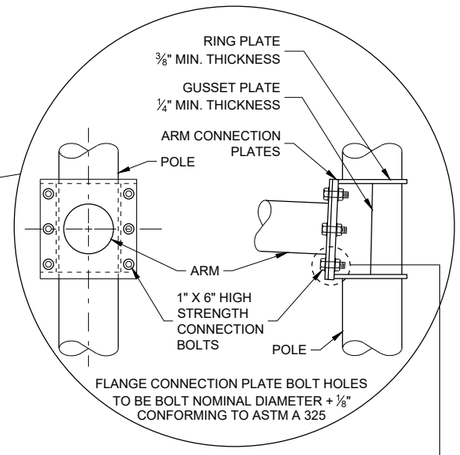
** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



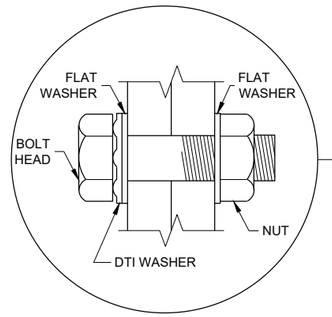
ANCHOR ROD LOCATION



FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 POLE
15' - 30' MONOTUBE ARM

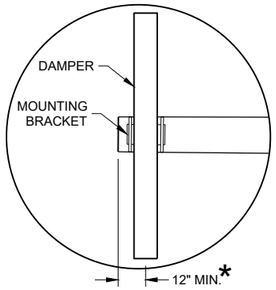
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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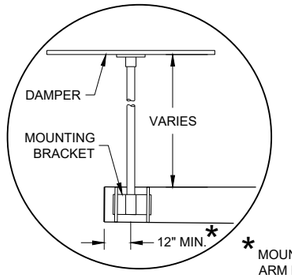
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 776

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SDD 09E08 - 09e

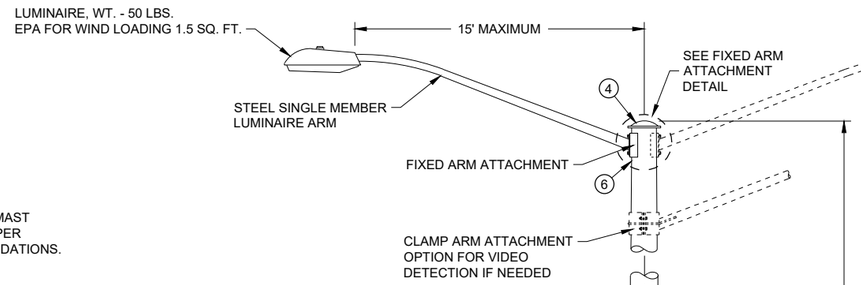


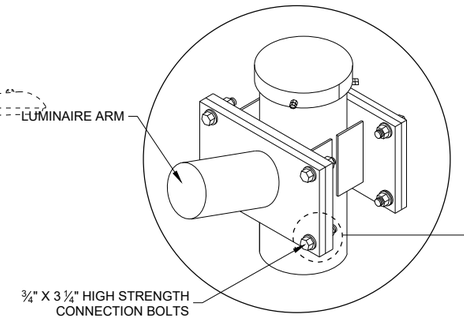
DUMBBELL VIBRATION DAMPER



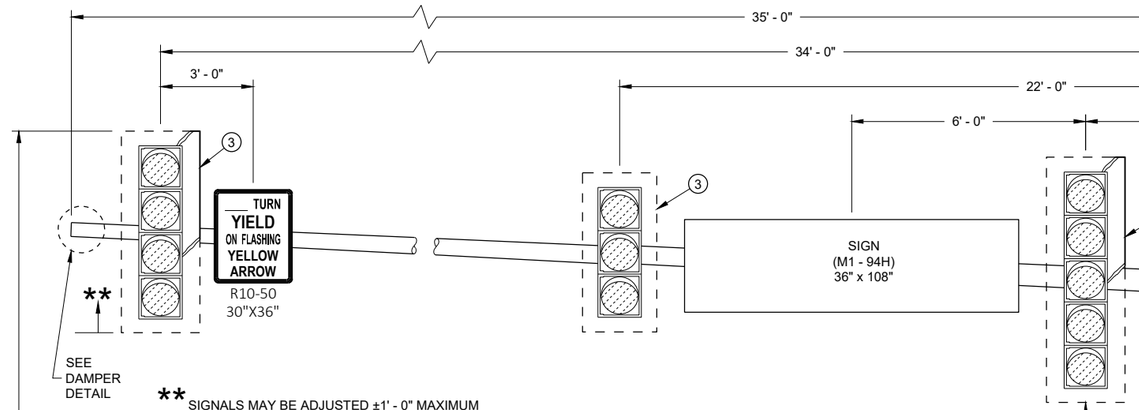
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

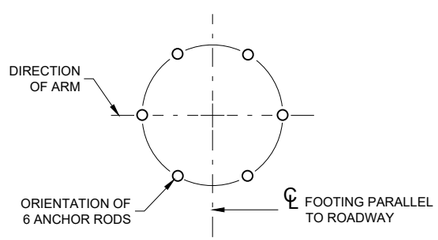




FIXED ARM ATTACHMENT DETAIL

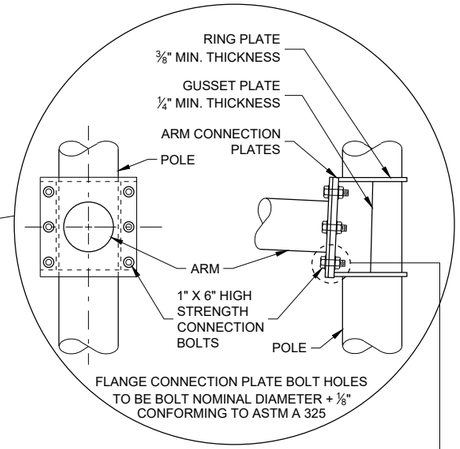


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

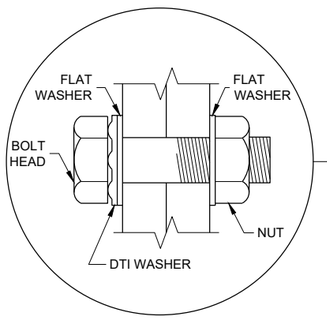


ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM

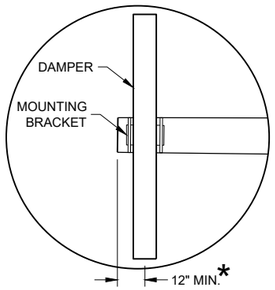
STATE OF WISCONSIN
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August 2020
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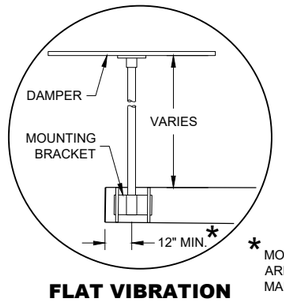
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 777

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SDD 09E08 - 09f

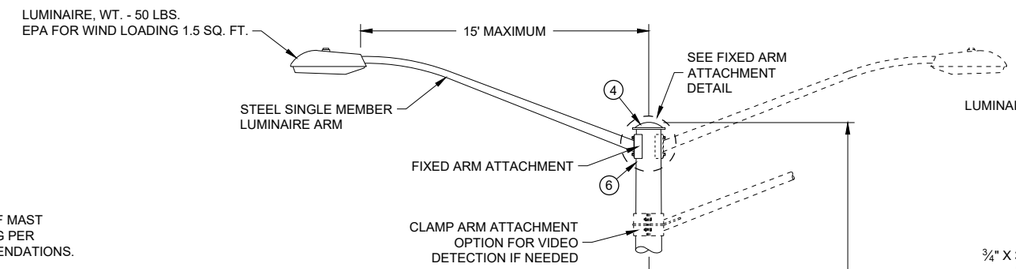


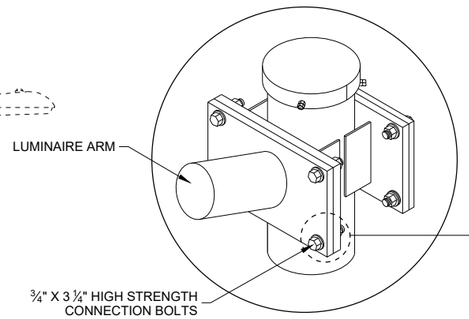
DUMBBELL VIBRATION DAMPER



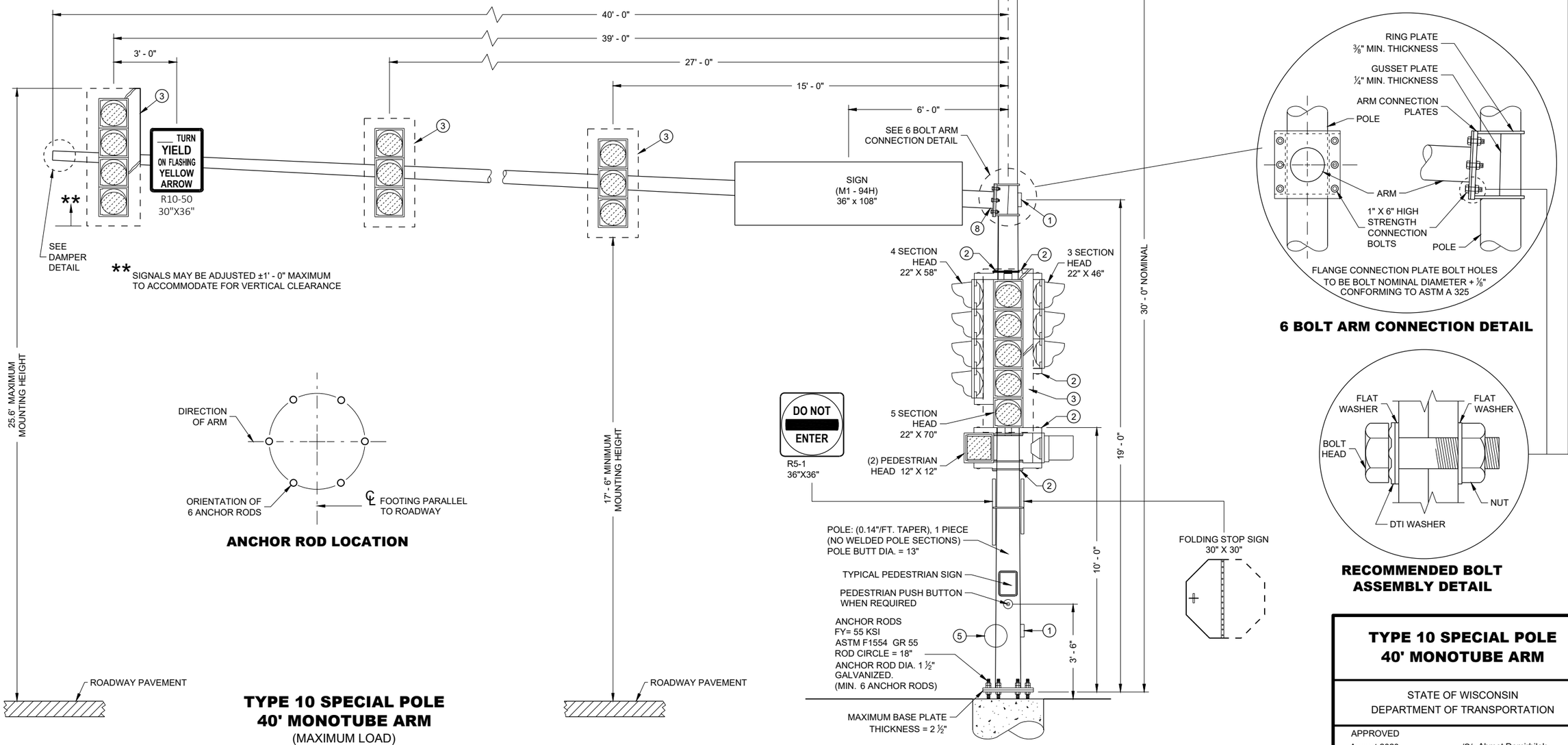
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

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DEPARTMENT OF TRANSPORTATION

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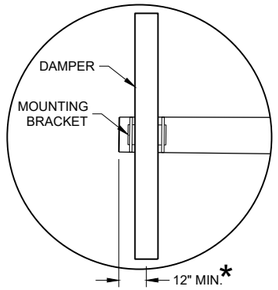
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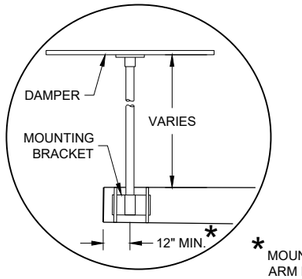
SDD 09E08 - 09g

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SDD 09E08 - 09g

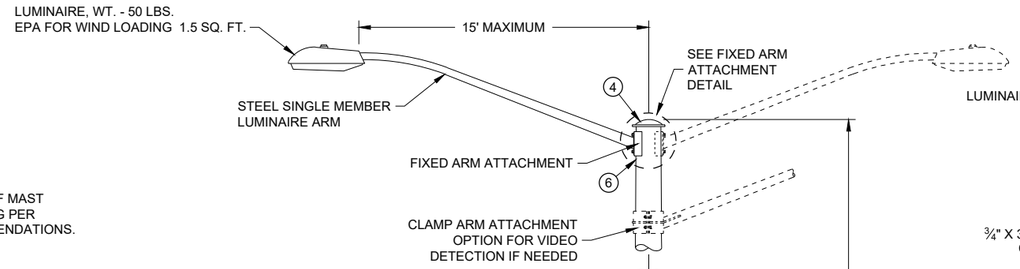


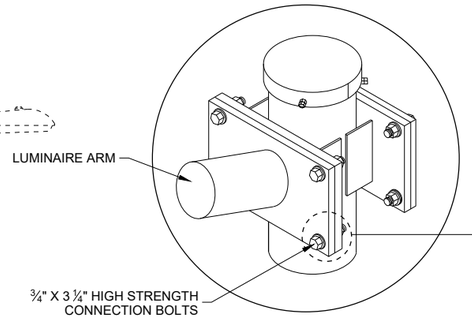
DUMBBELL VIBRATION DAMPER



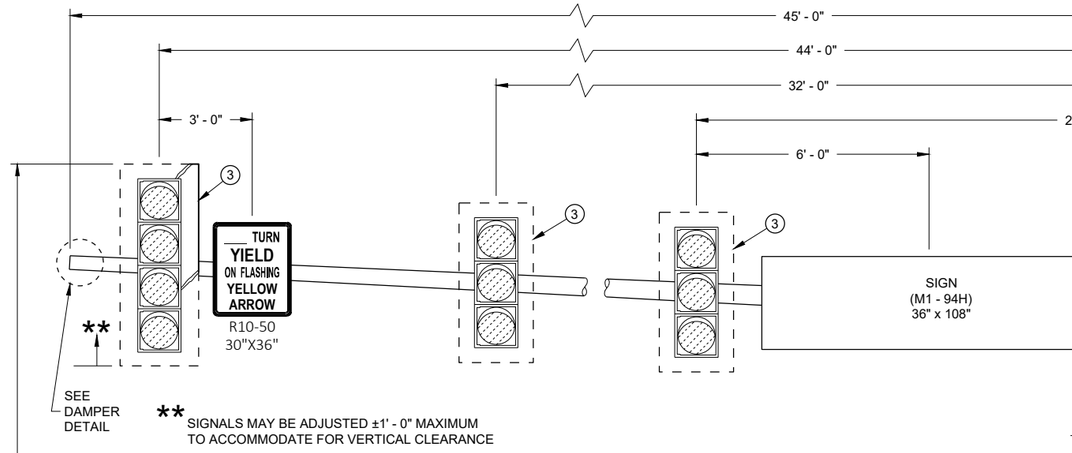
FLAT VIBRATION DAMPER

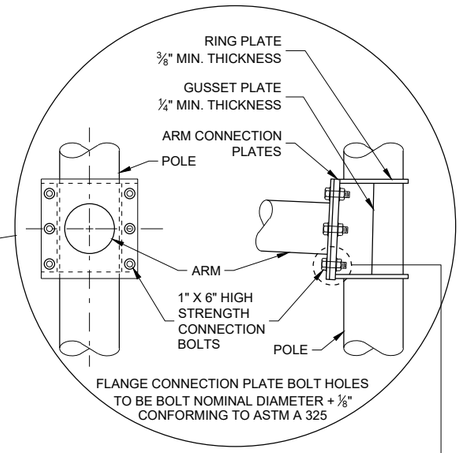
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.



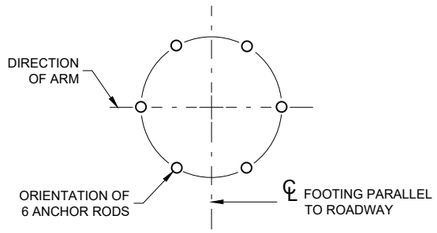


FIXED ARM ATTACHMENT DETAIL

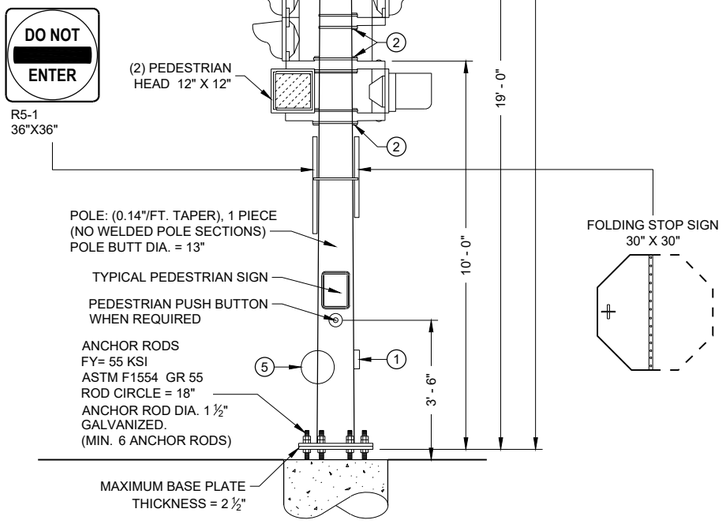


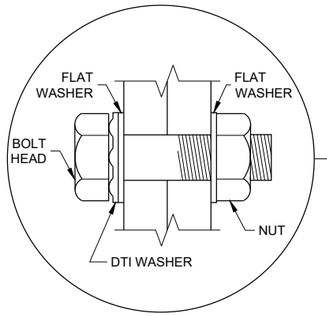


6 BOLT ARM CONNECTION DETAIL



ANCHOR ROD LOCATION





RECOMMENDED BOLT ASSEMBLY DETAIL

25.6' MAXIMUM MOUNTING HEIGHT

17' - 6" MINIMUM MOUNTING HEIGHT

ROADWAY PAVEMENT

ROADWAY PAVEMENT

TYPE 10 SPECIAL POLE
45' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 779

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GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

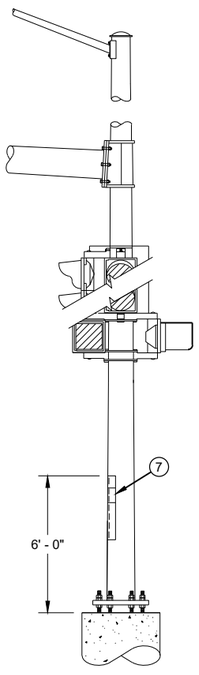
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

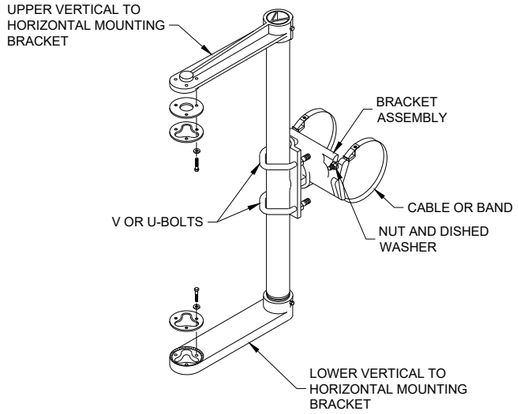
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

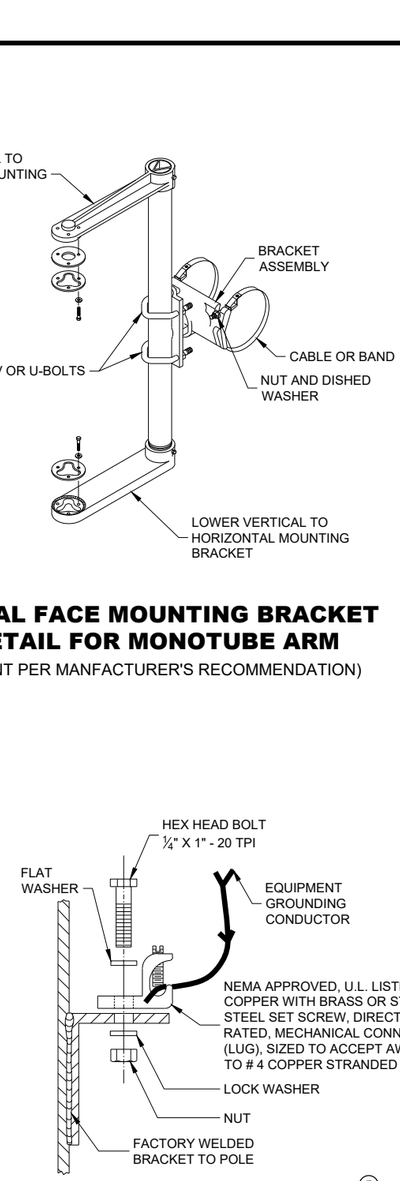


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



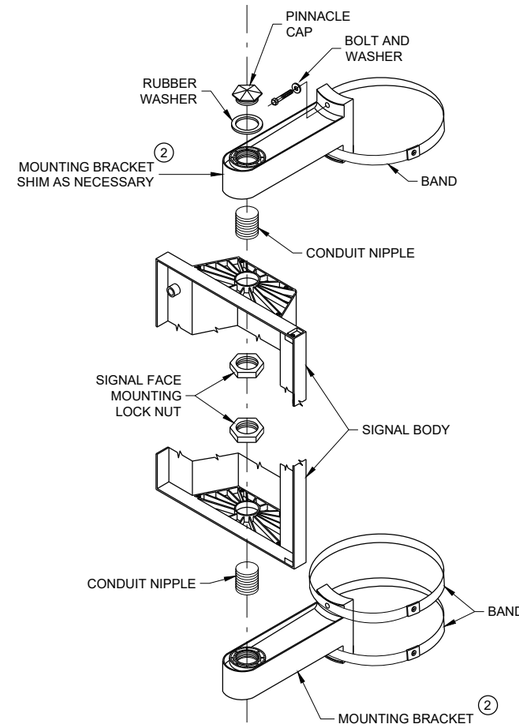
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

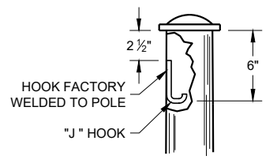


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER 780

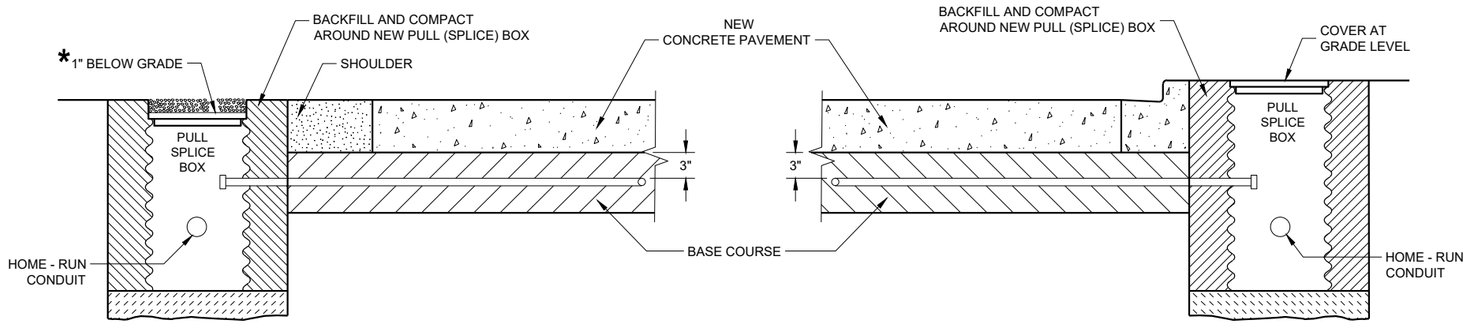
FHWA

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SDD 09E08 - 09k

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SDD 09E08 - 09k



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

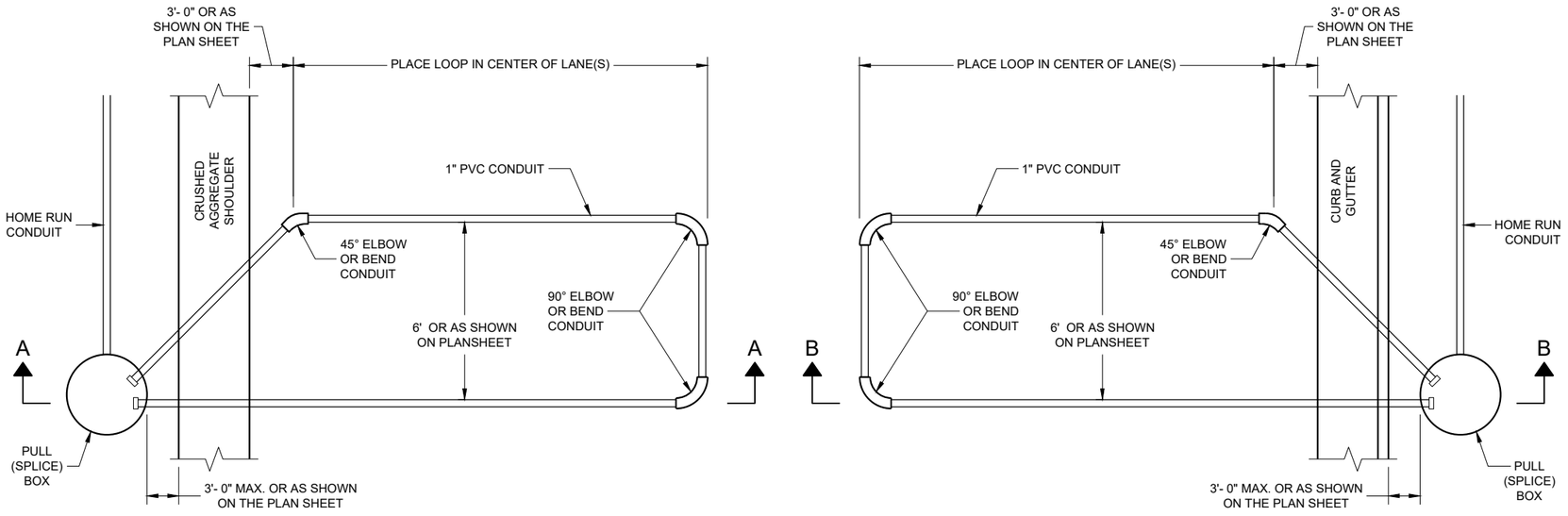
THE #12 AWG LOOP WIRE IN THE ROADSIDE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 781

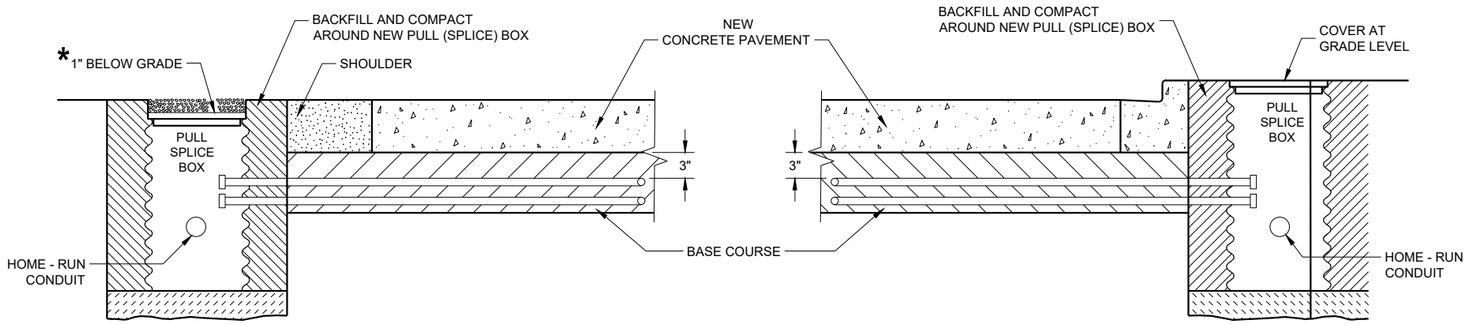
FHWA

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SDD 09F15 - 04a

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SDD 09F15 - 04a



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

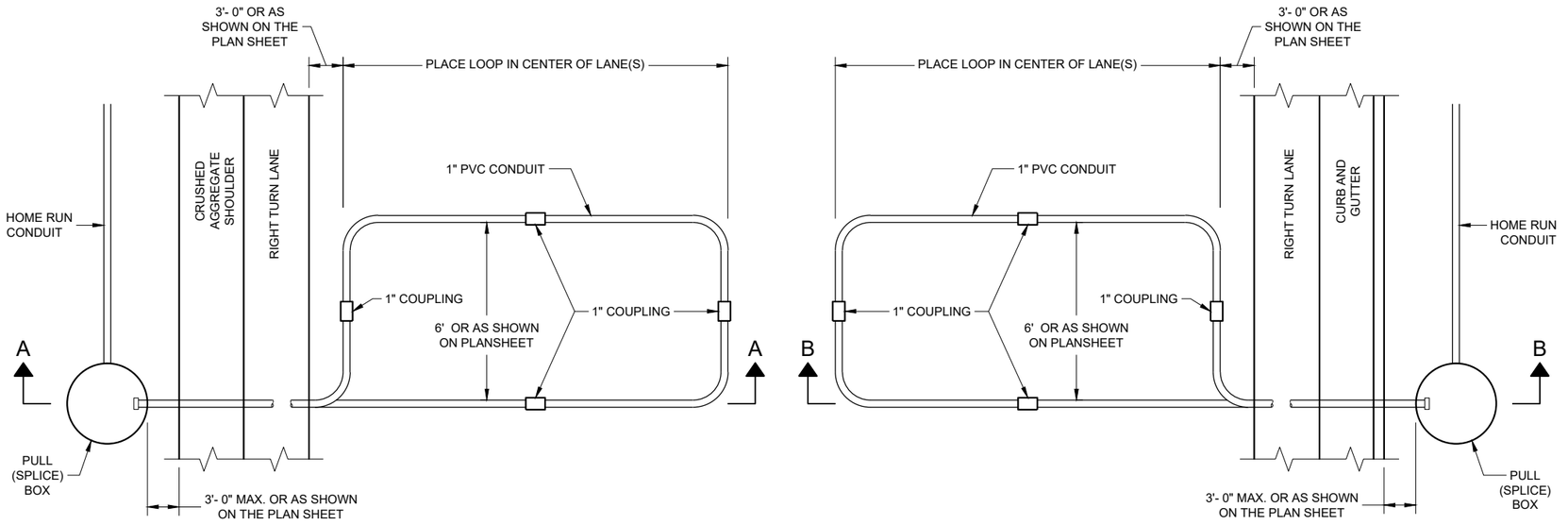
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

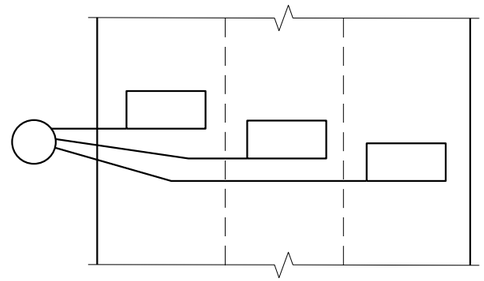
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR
WITH 24" PULL (SPLICE) BOX



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 782
FHWA

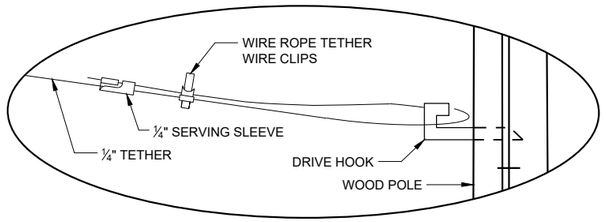
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SDD 09F15 - 04b

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SDD 09F15 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

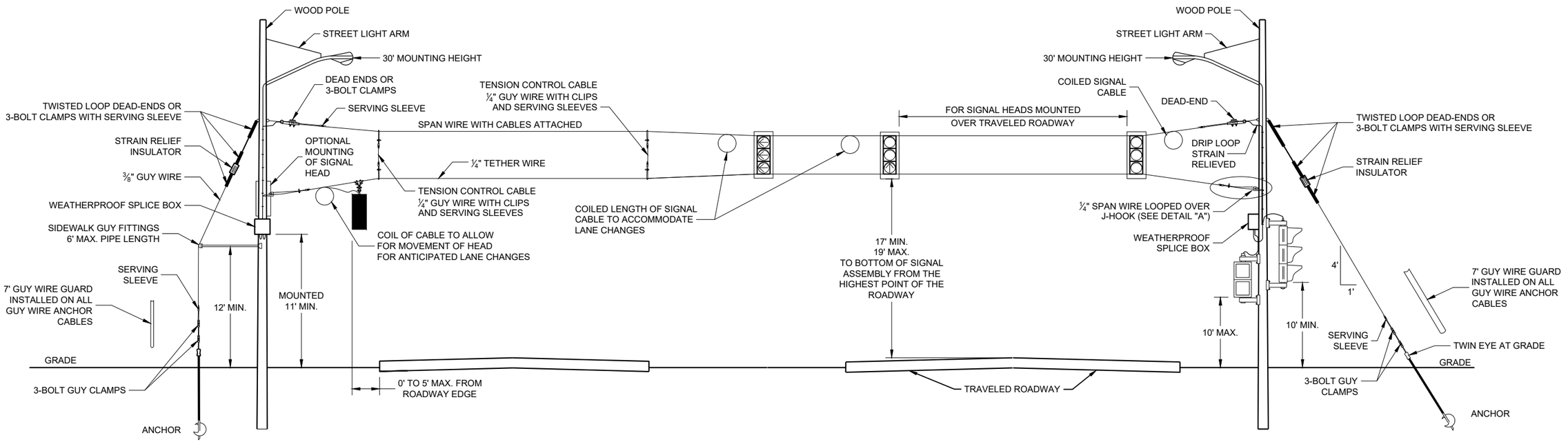


DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

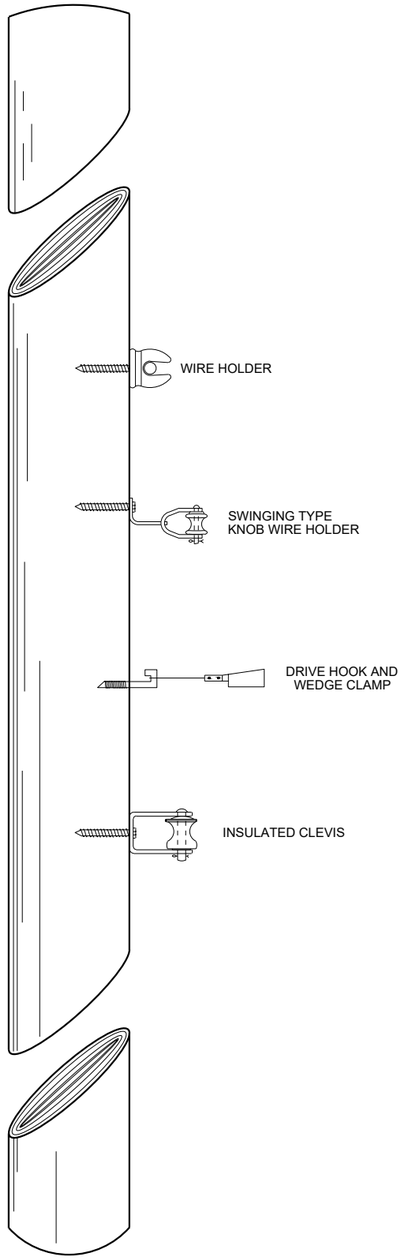
APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 783
FHWA

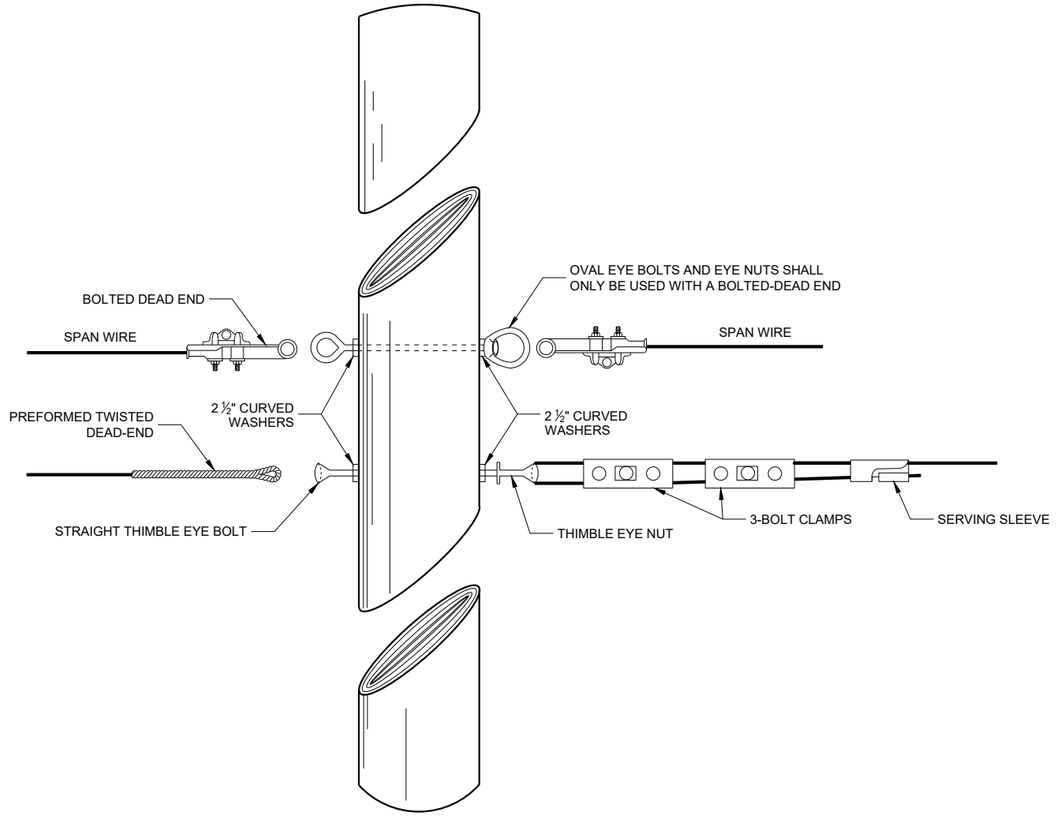
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SDD09G01 - 04b

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SDD09G01 - 04b





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SDD 09G01 - 4d

SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

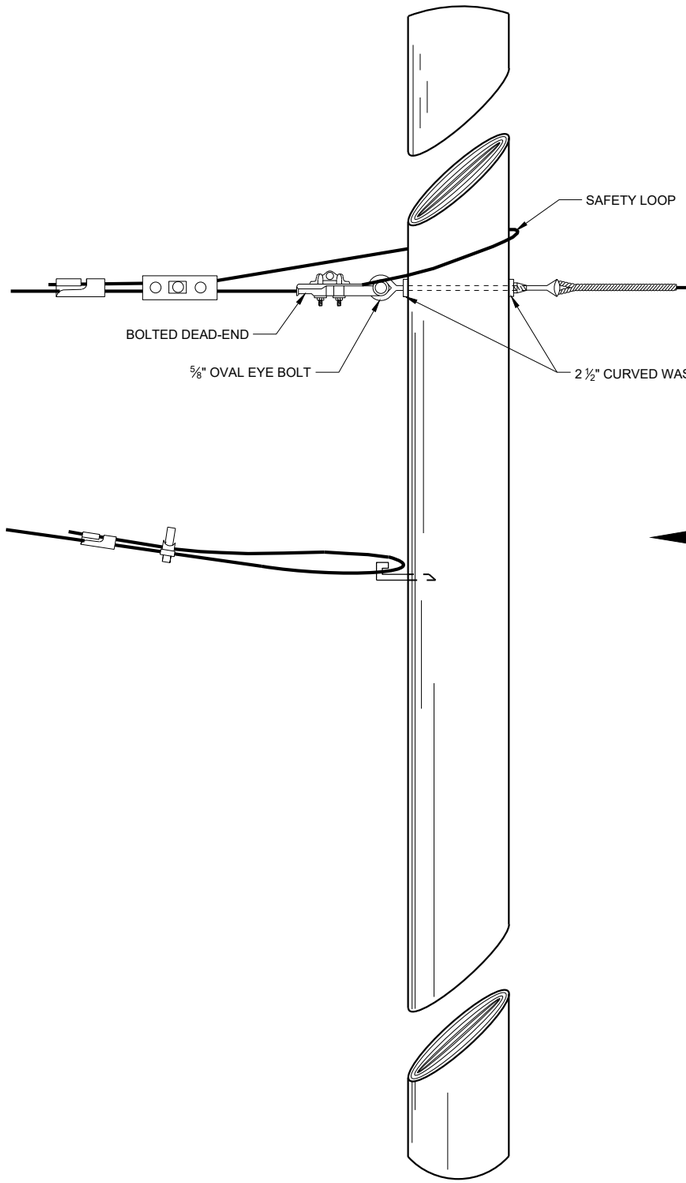
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

784

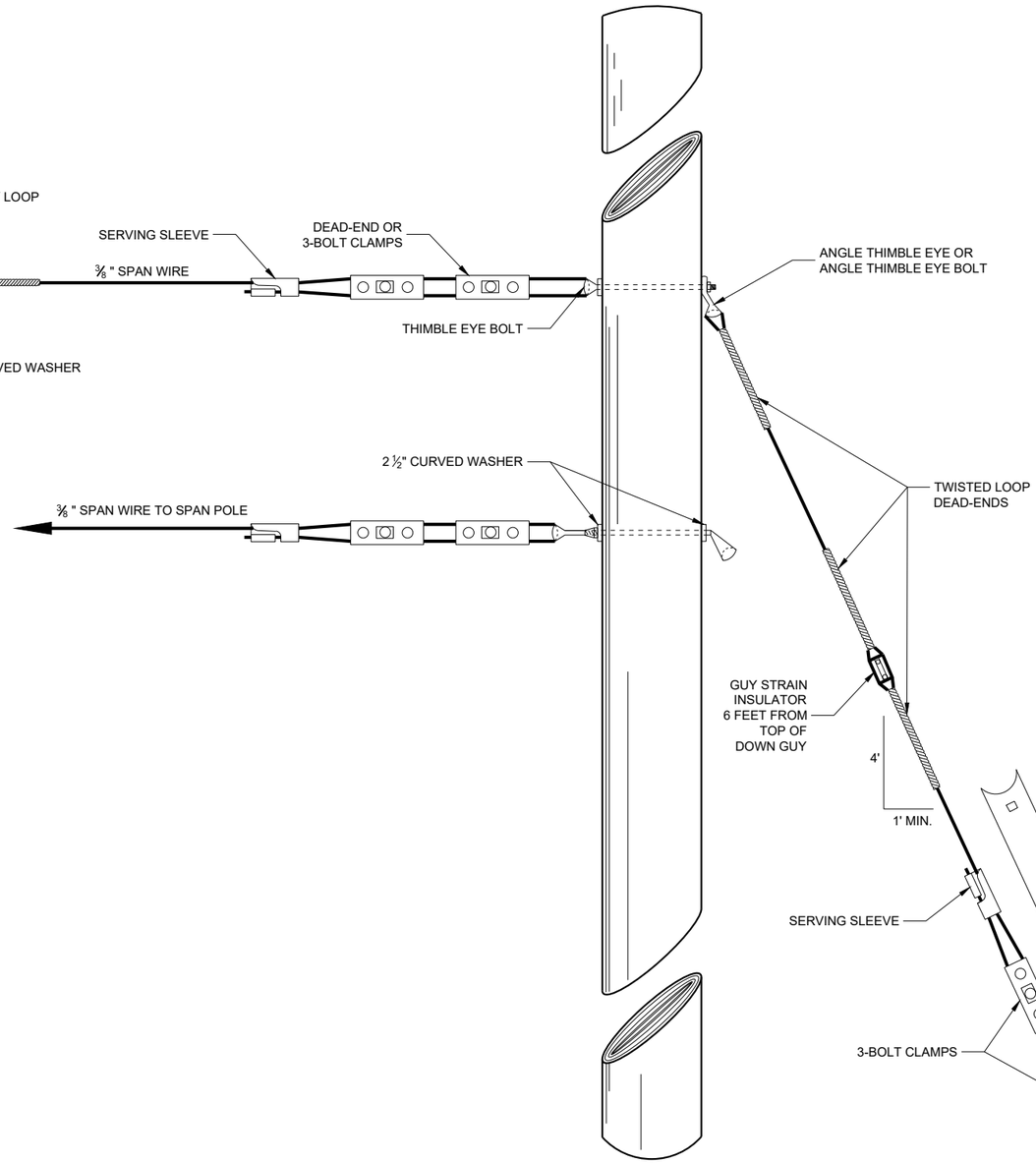
FHWA

GENERAL NOTES

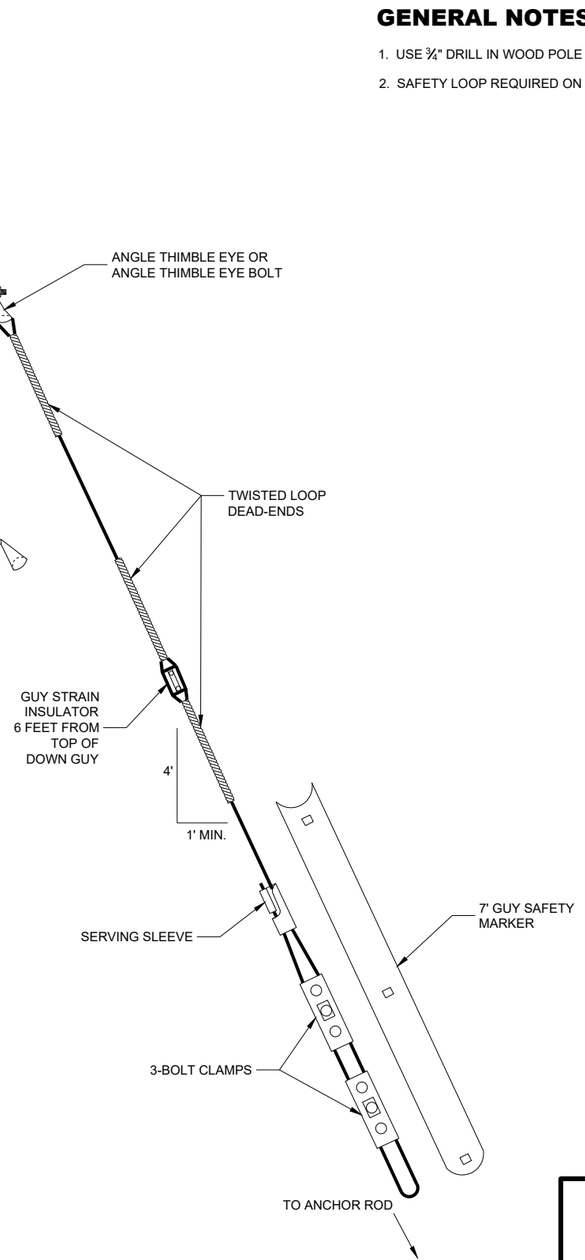
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

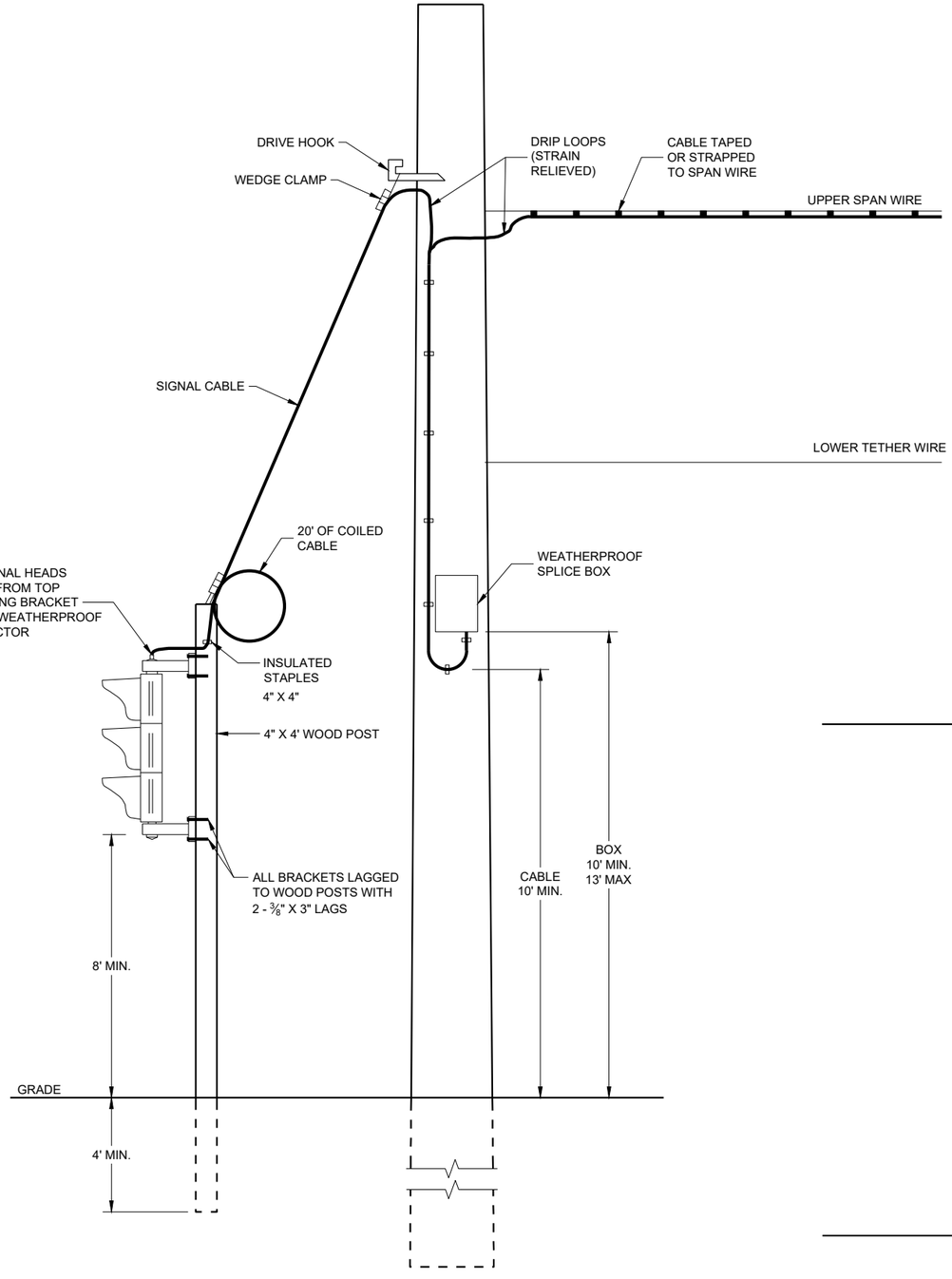
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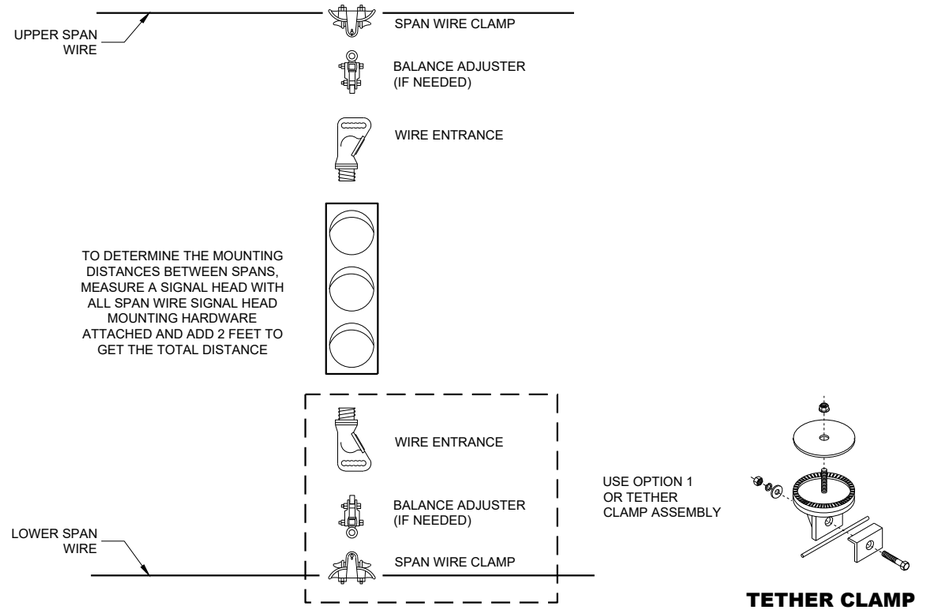
SDD 09G01 - 4e

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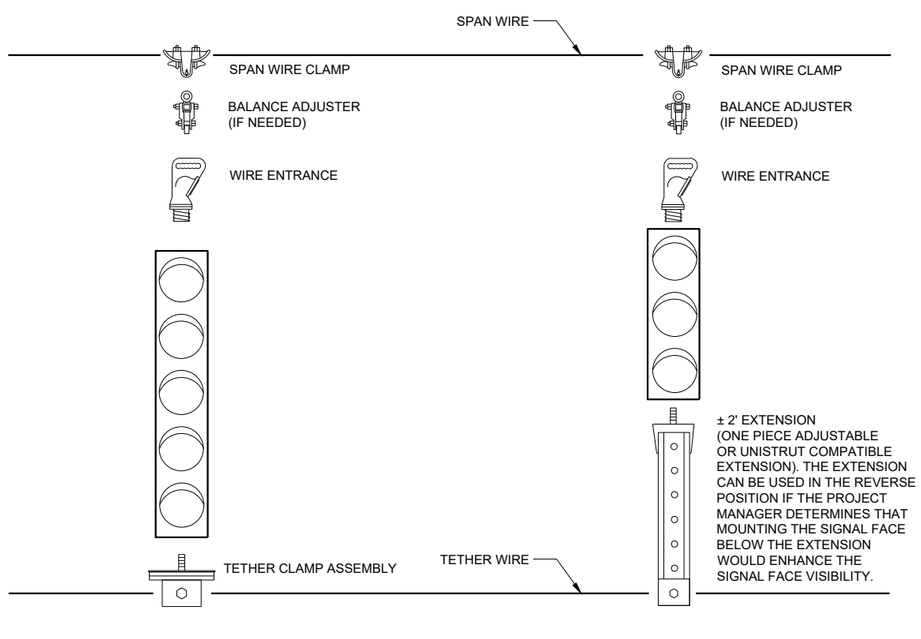
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

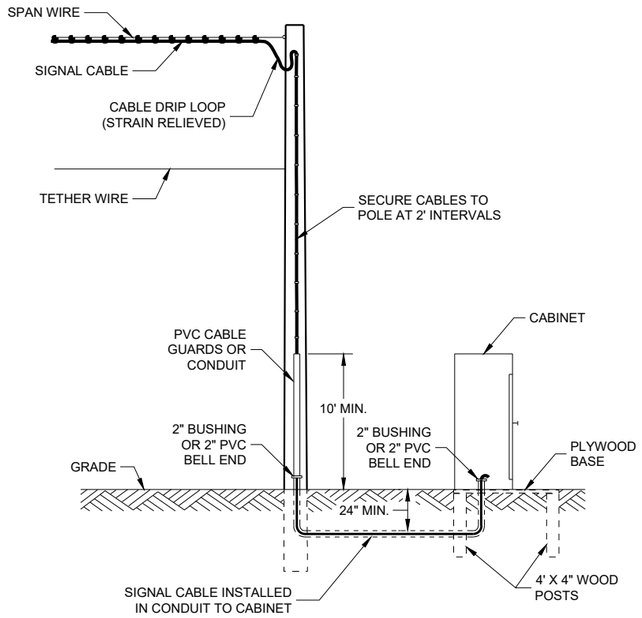
APPROVED
June 2015
DATE

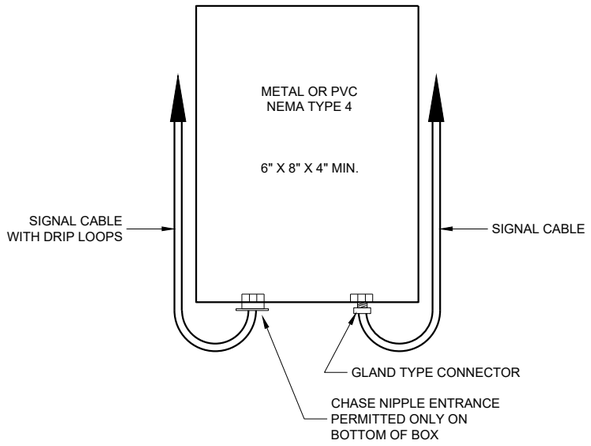
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

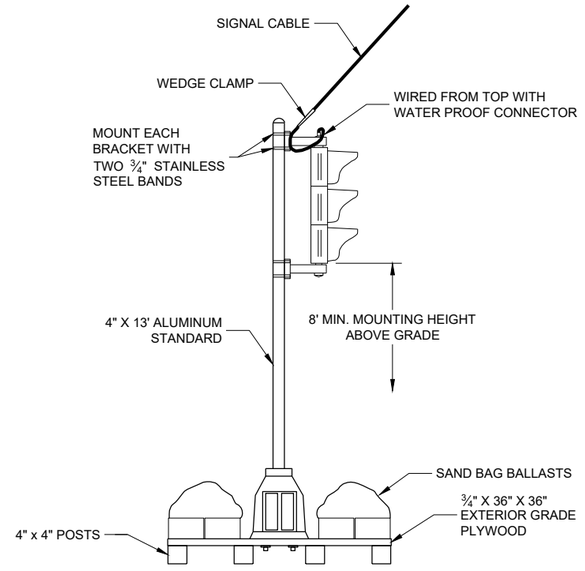
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SDD 09G01 - 4f

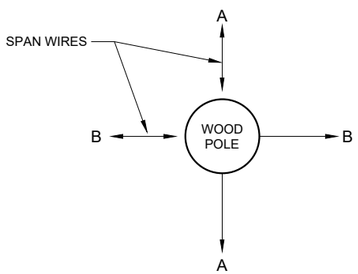




SPLICE BOX

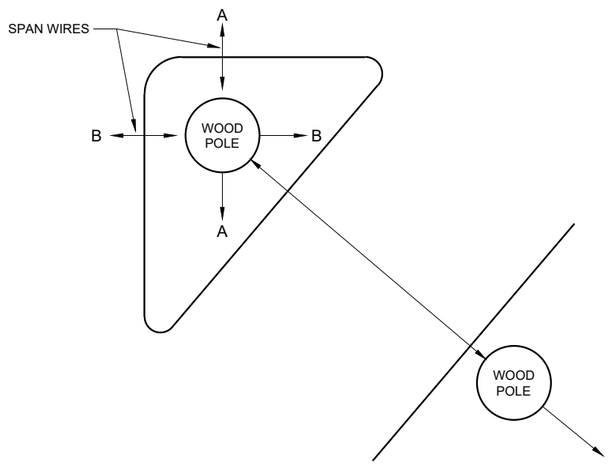


TYPICAL SKID TYPE TEMPORARY

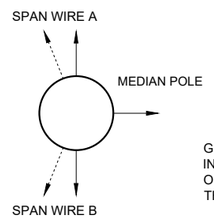


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

787

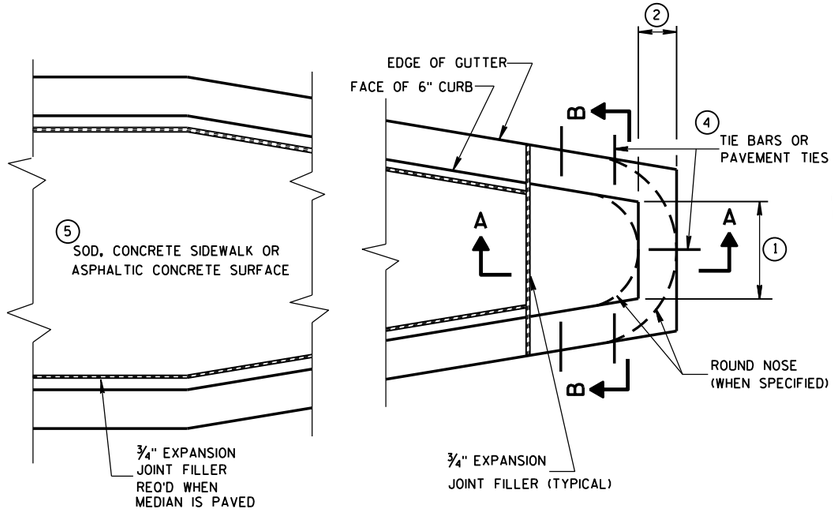
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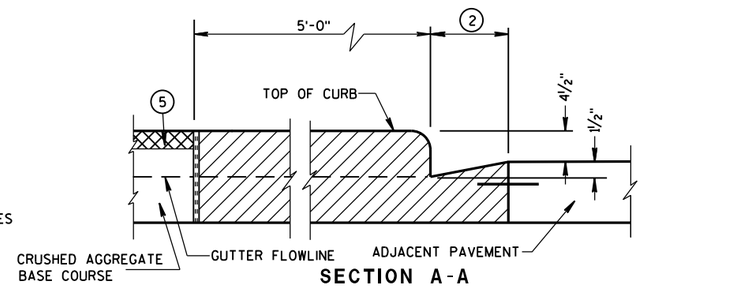
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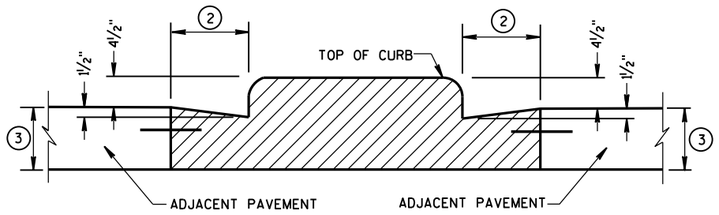
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SDD 09G01 - 4g





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

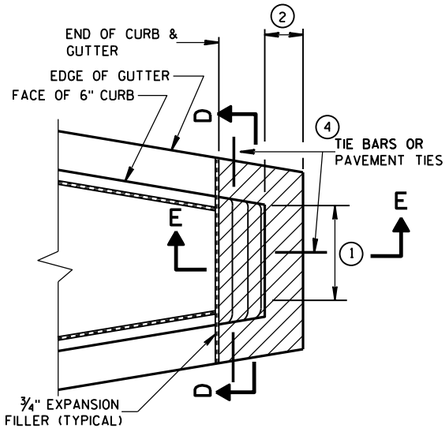
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

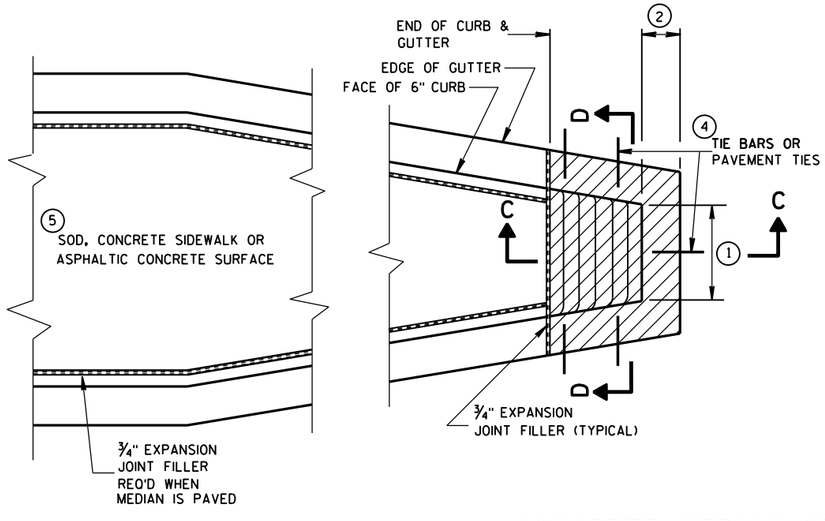
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

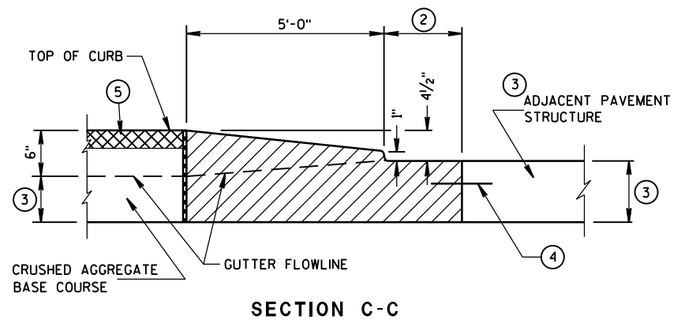
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

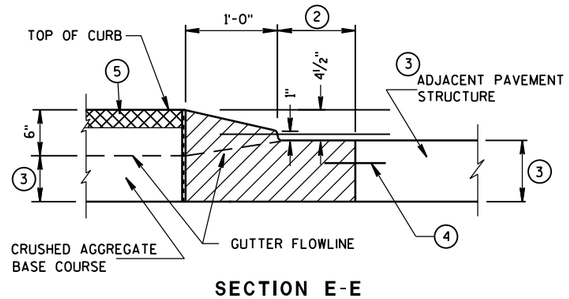




CONCRETE MEDIAN SLOPED NOSE TYPE 1

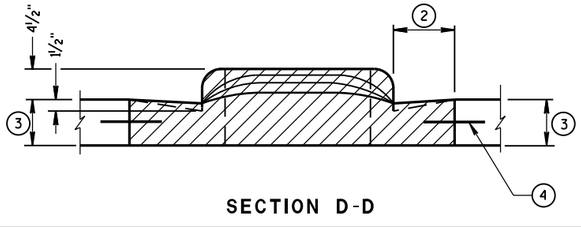


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

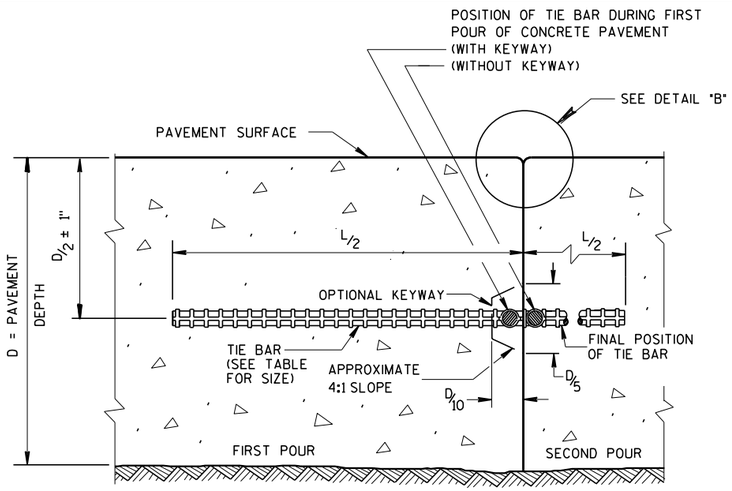
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER 788
FHWA

6

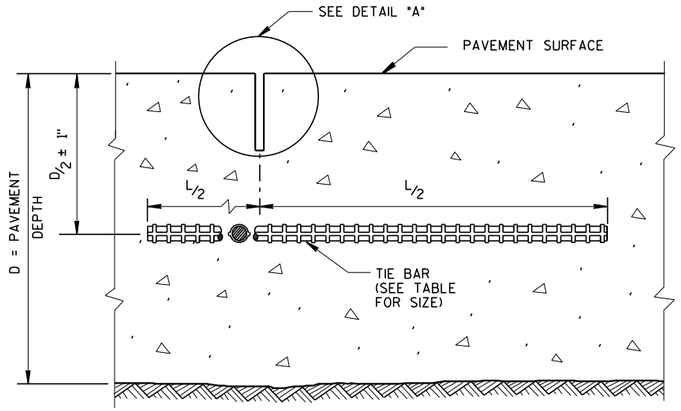
S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

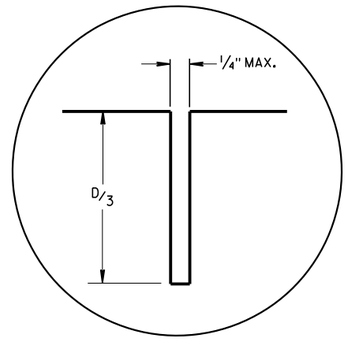
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

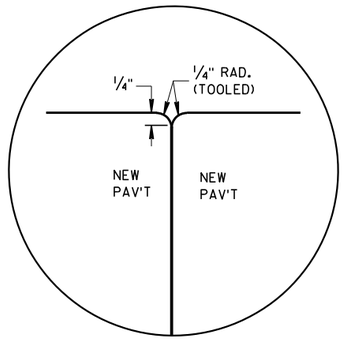
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

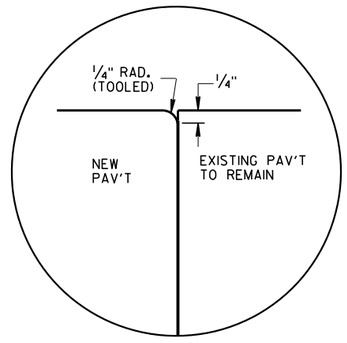
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



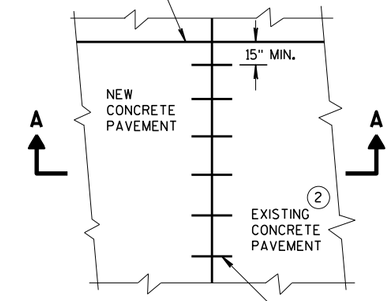
DETAIL "A"



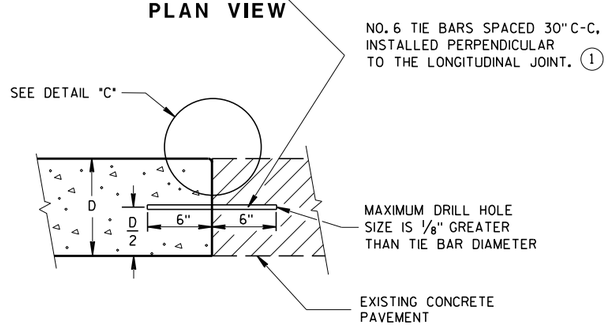
DETAIL "B"



DETAIL "C"



PLAN VIEW



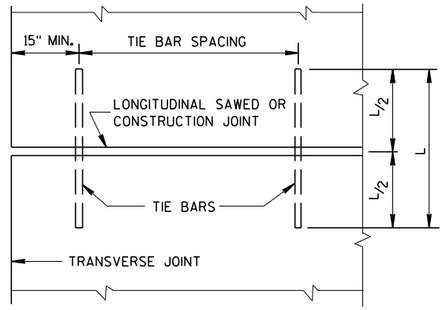
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



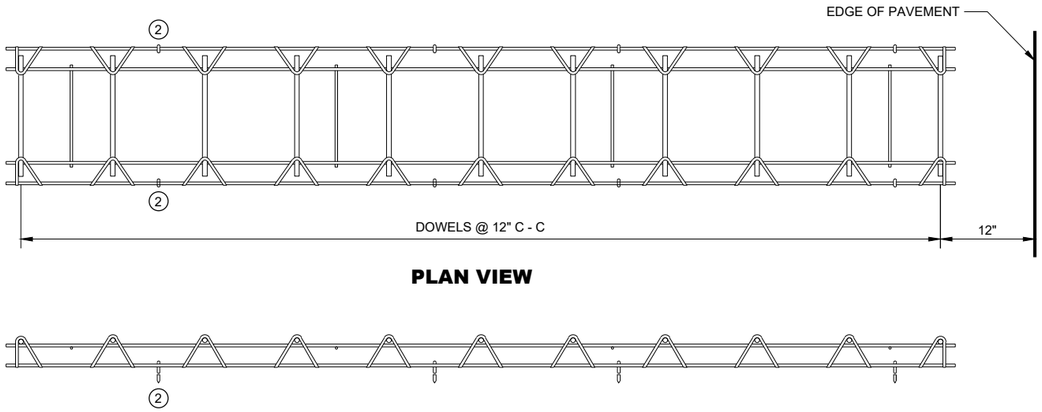
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

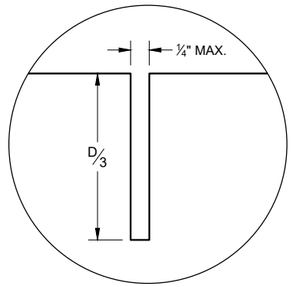
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PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

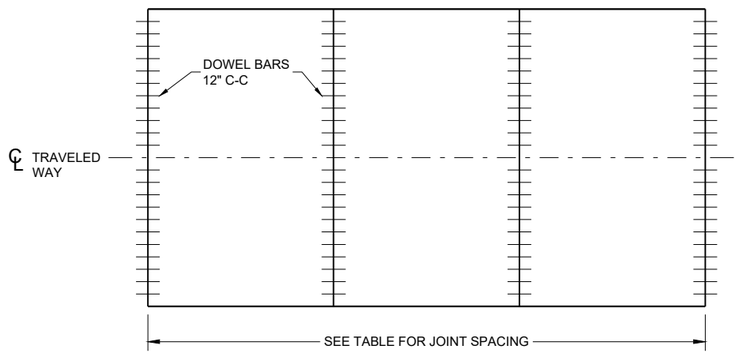
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

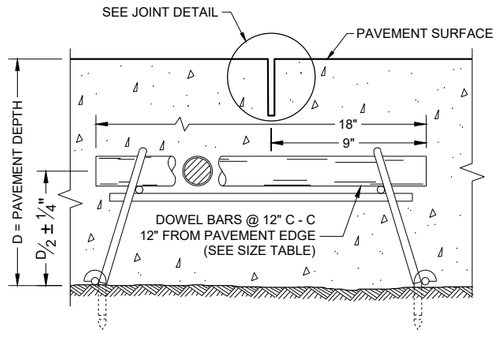
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



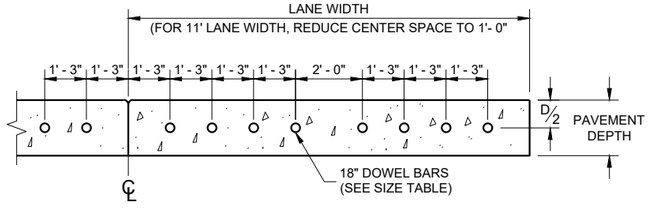
CONTRACTION JOINT LOCATIONS



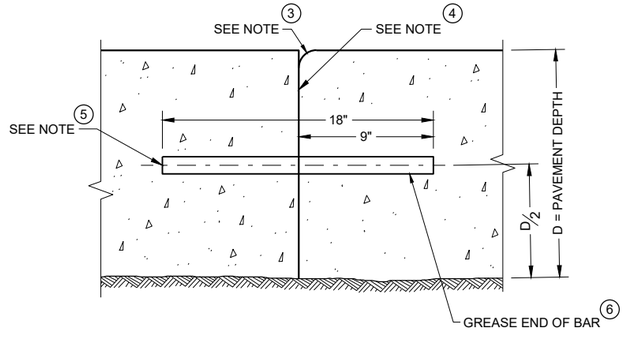
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS 790

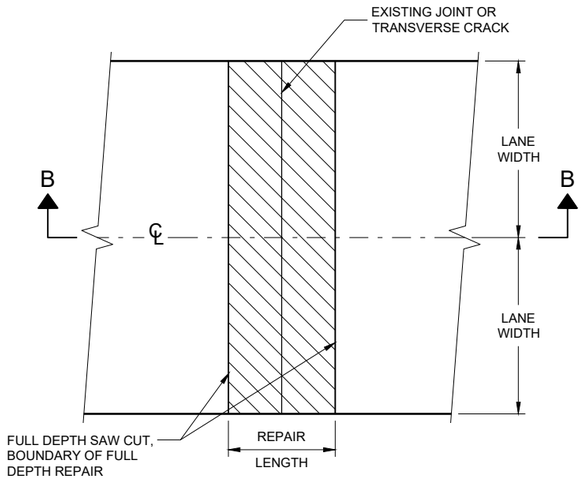
FHWA

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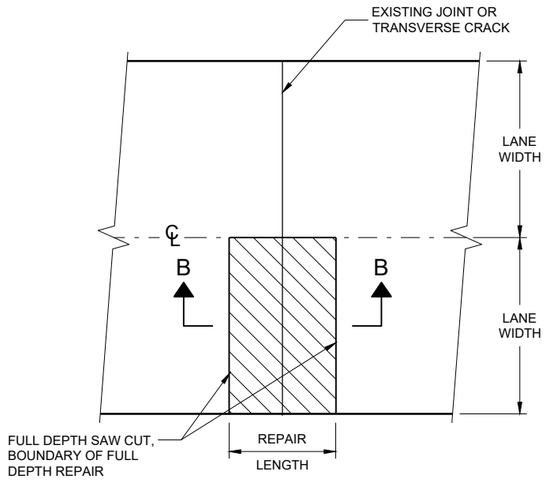
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SDD 13C13 - 11



PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

GENERAL NOTES

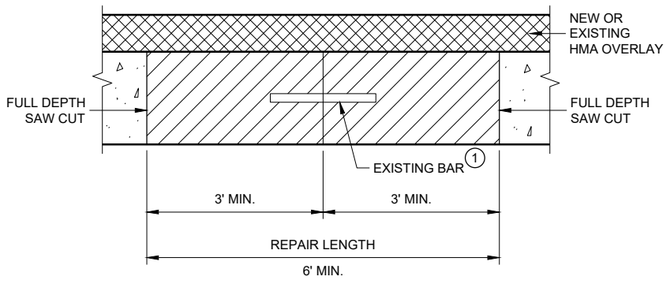
SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

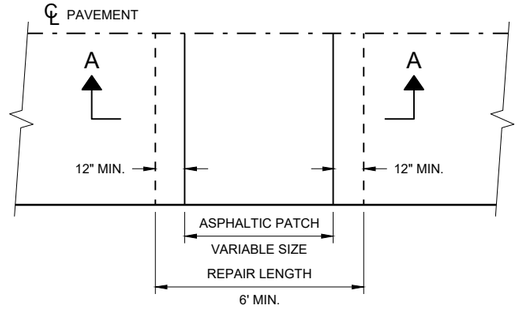
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

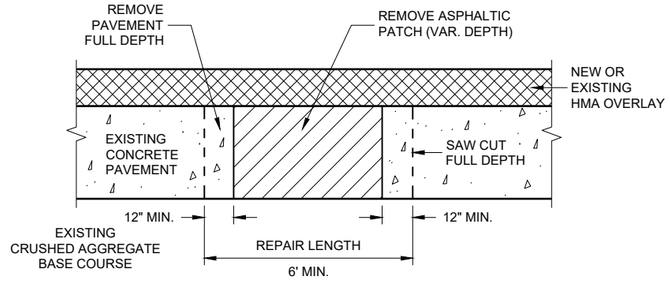
FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



PLAN VIEW

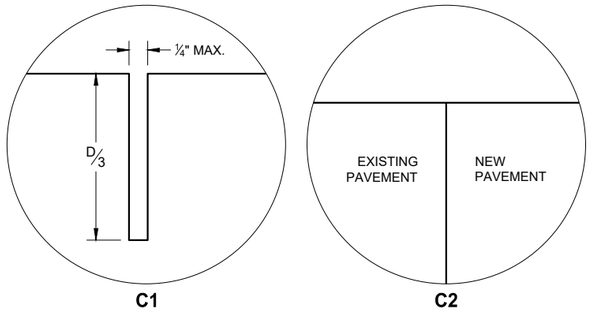


SECTION A - A

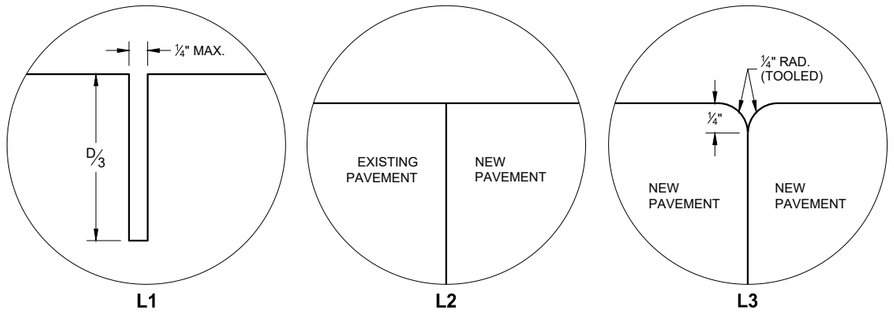
HMA PATCH REMOVAL

BASE PATCHING CONCRETE

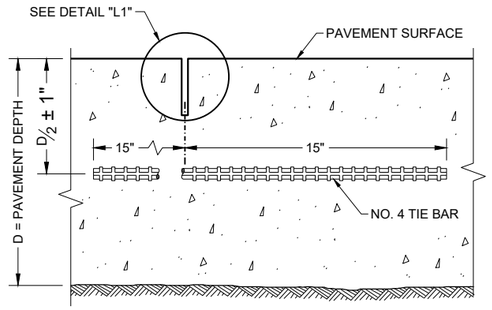
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 791



TRANSVERSE JOINTS

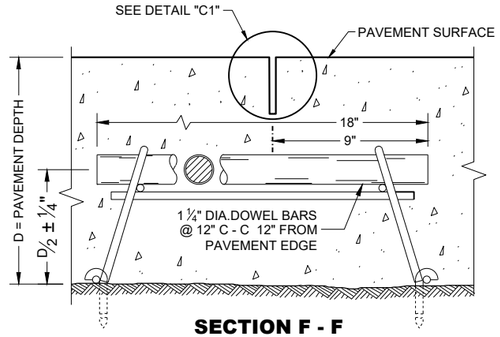


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

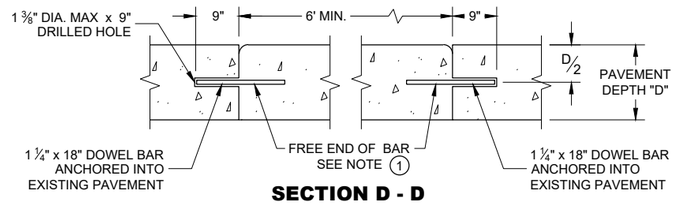
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

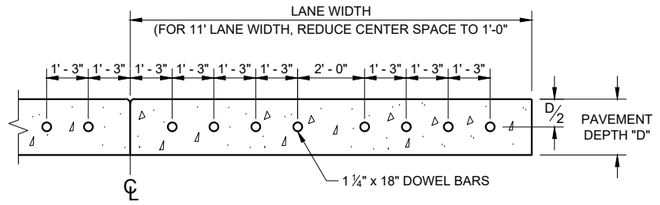
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT O EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

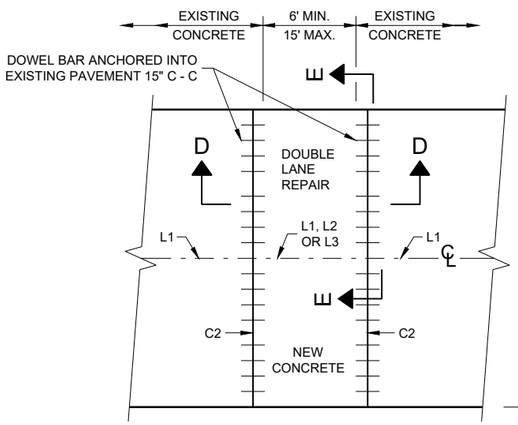


SECTION D - D



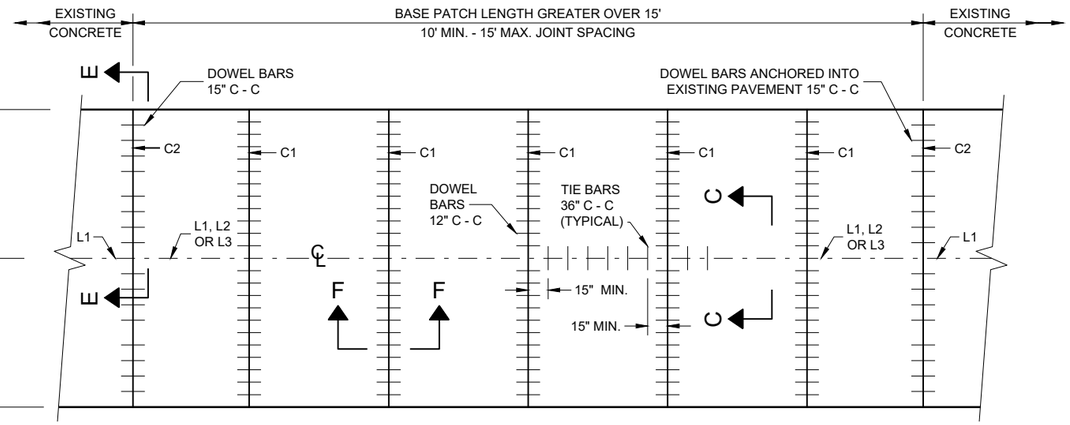
SECTION E - E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

MULTILANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTILANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

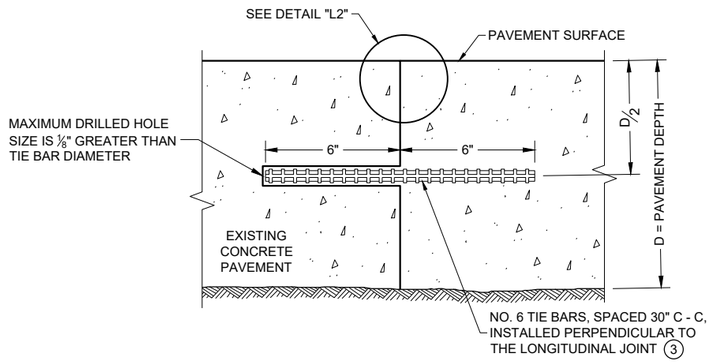
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT 792

SDD 13C14 - 07b

SDD 13C14 - 07b

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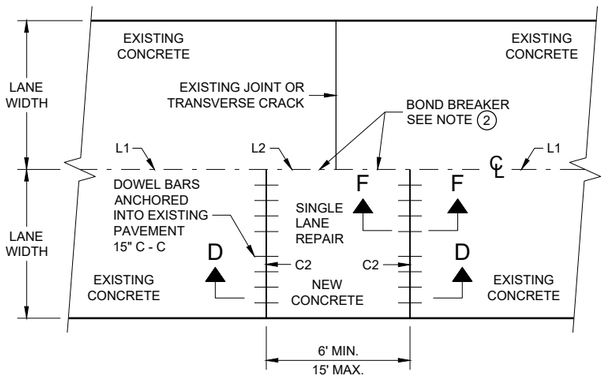


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

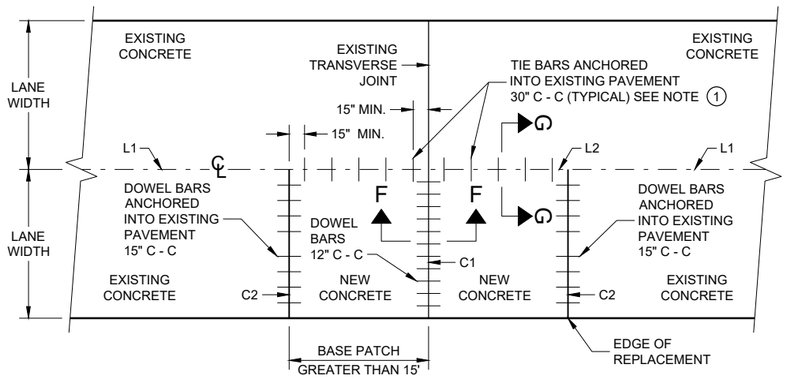
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

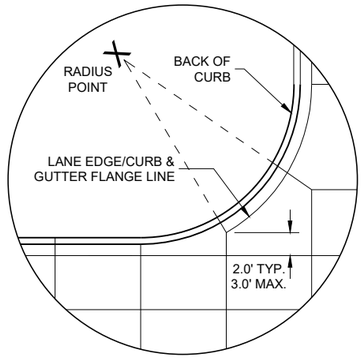
APPROVED
March 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

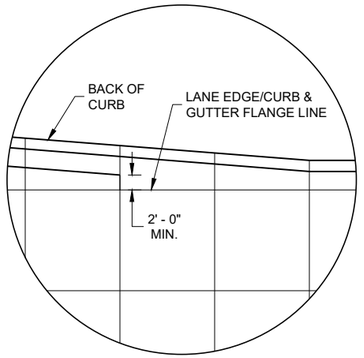
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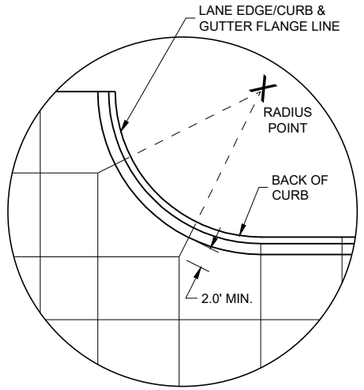
SDD 13C14 - 07c



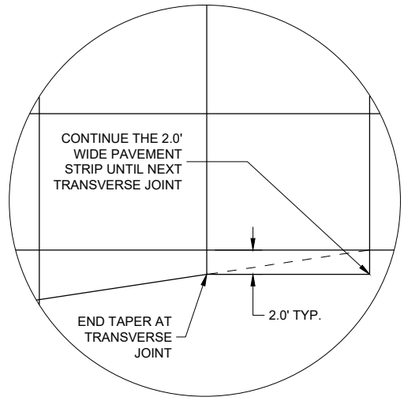
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

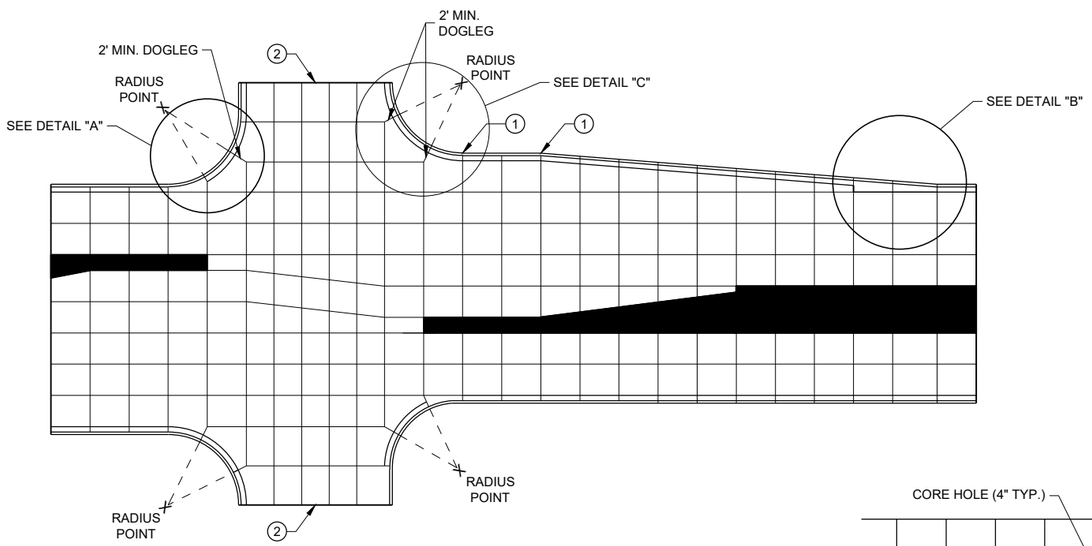
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

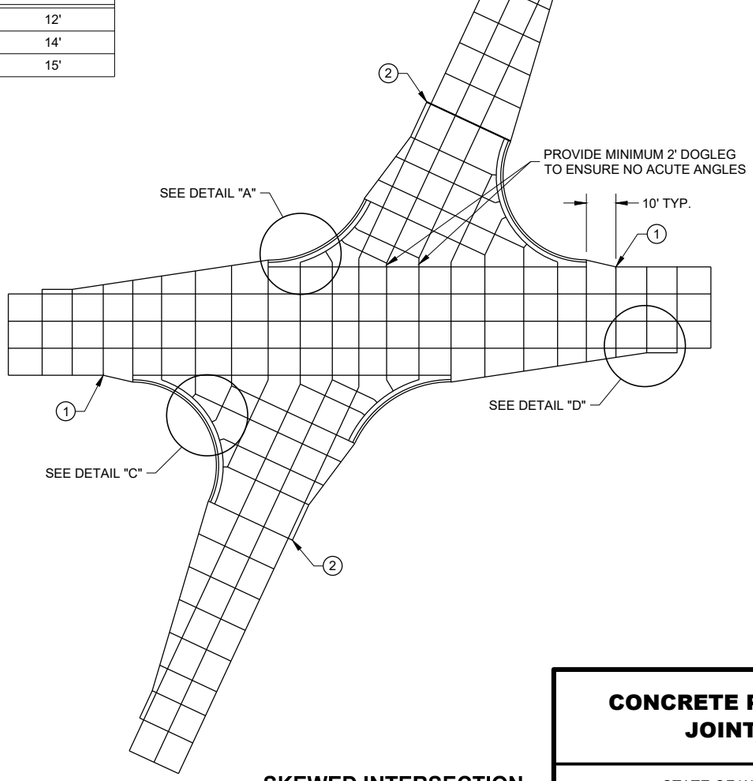
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



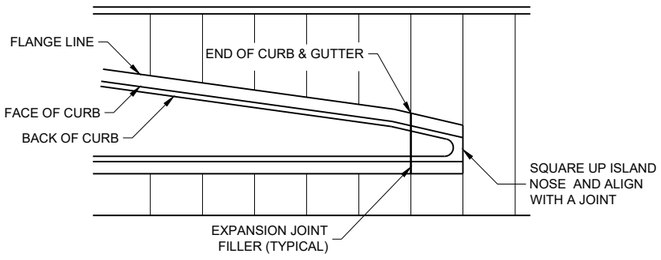
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

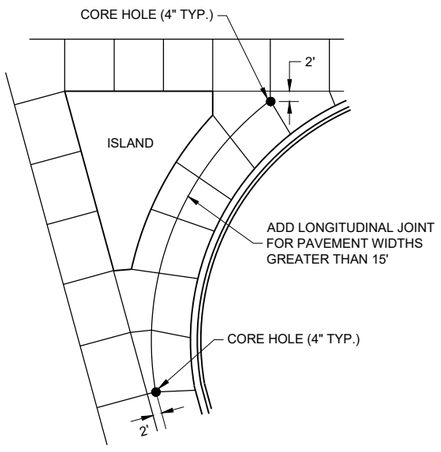
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

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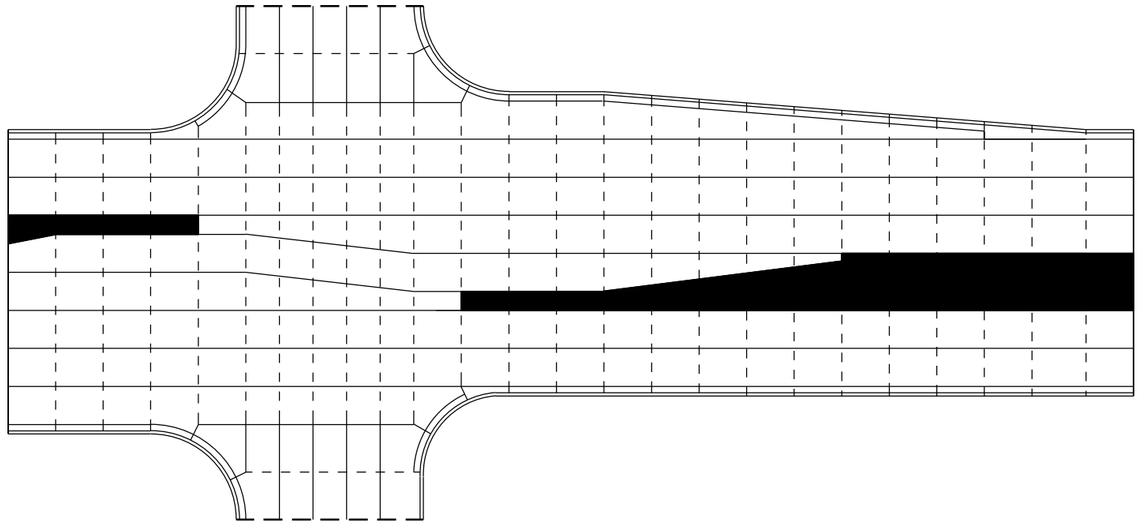
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

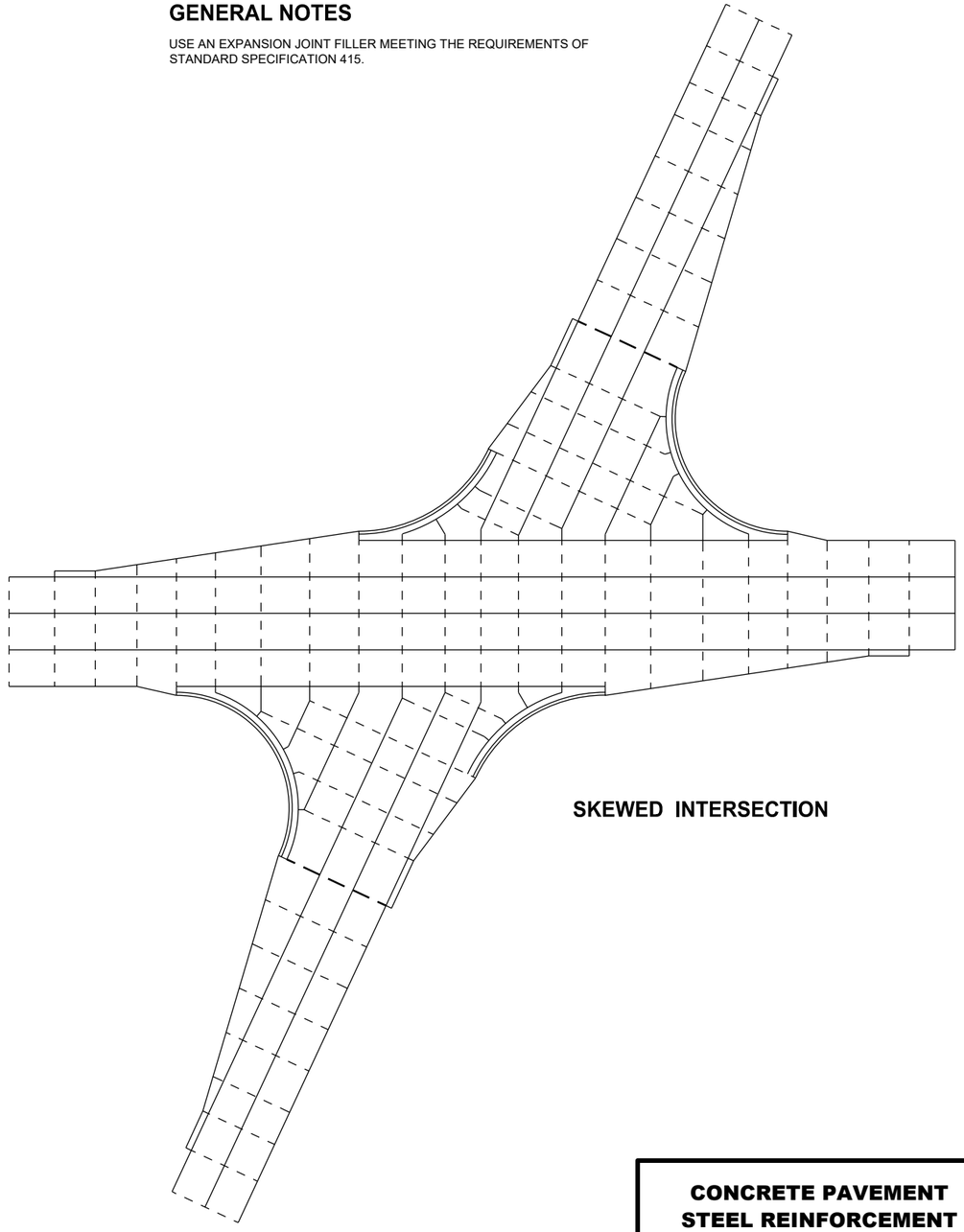
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

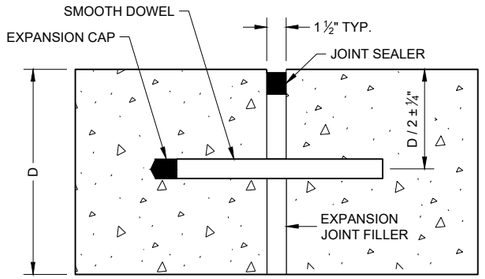
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

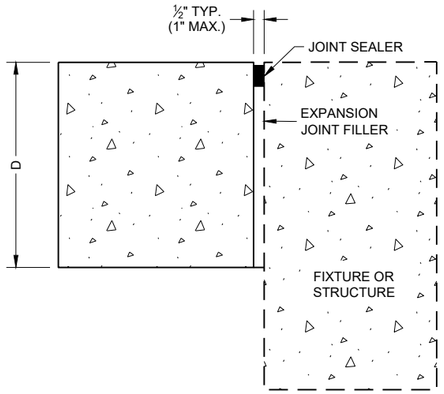
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 795

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

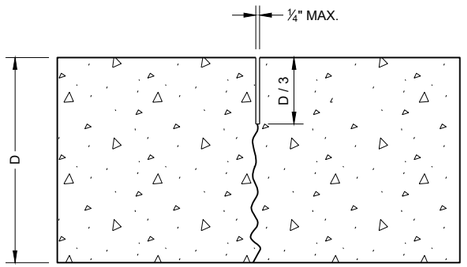
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

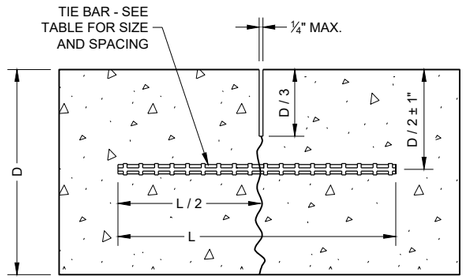
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

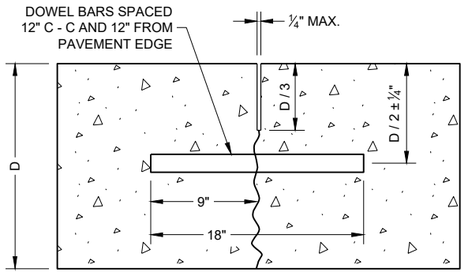
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

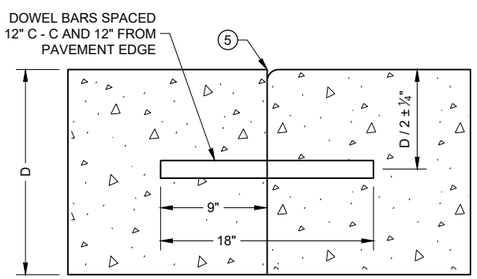


TIED LONGITUDINAL

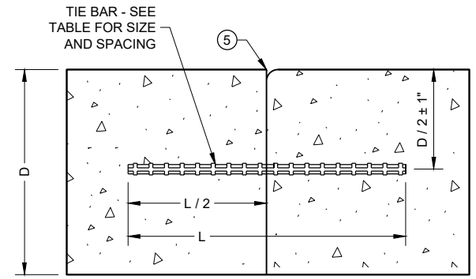


DOWELED TRANSVERSE

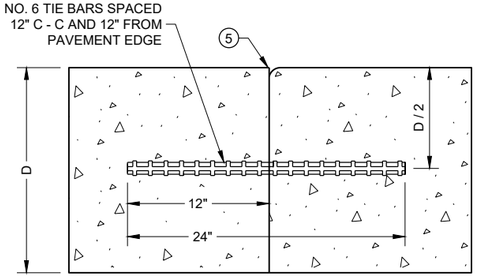
CONTRACTION JOINTS (2)



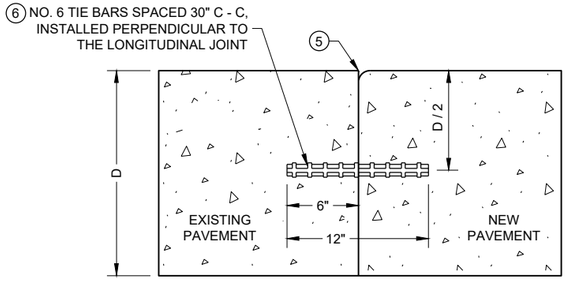
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

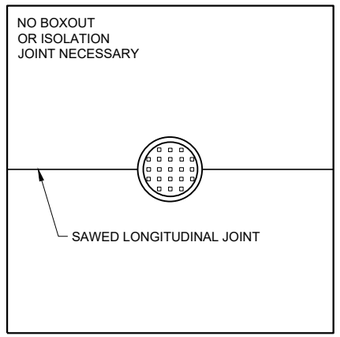
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

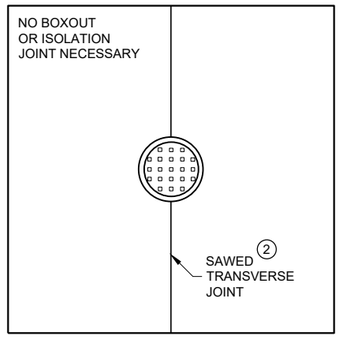
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

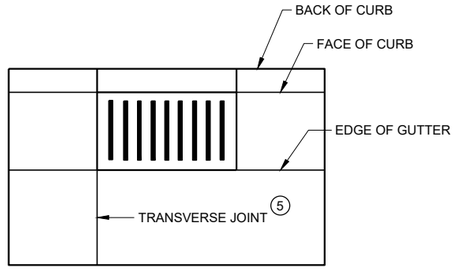
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



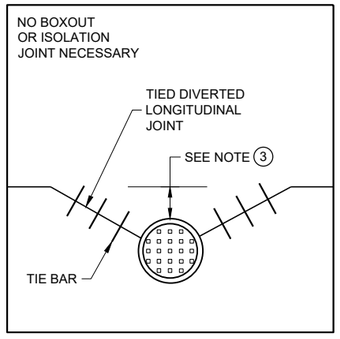
MANHOLE WITH TRANSVERSE JOINT



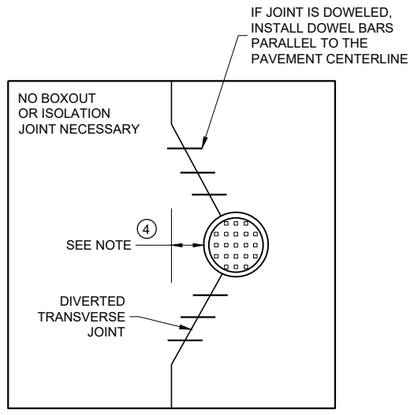
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

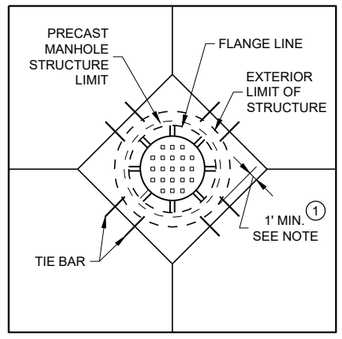
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

797

FHWA

6

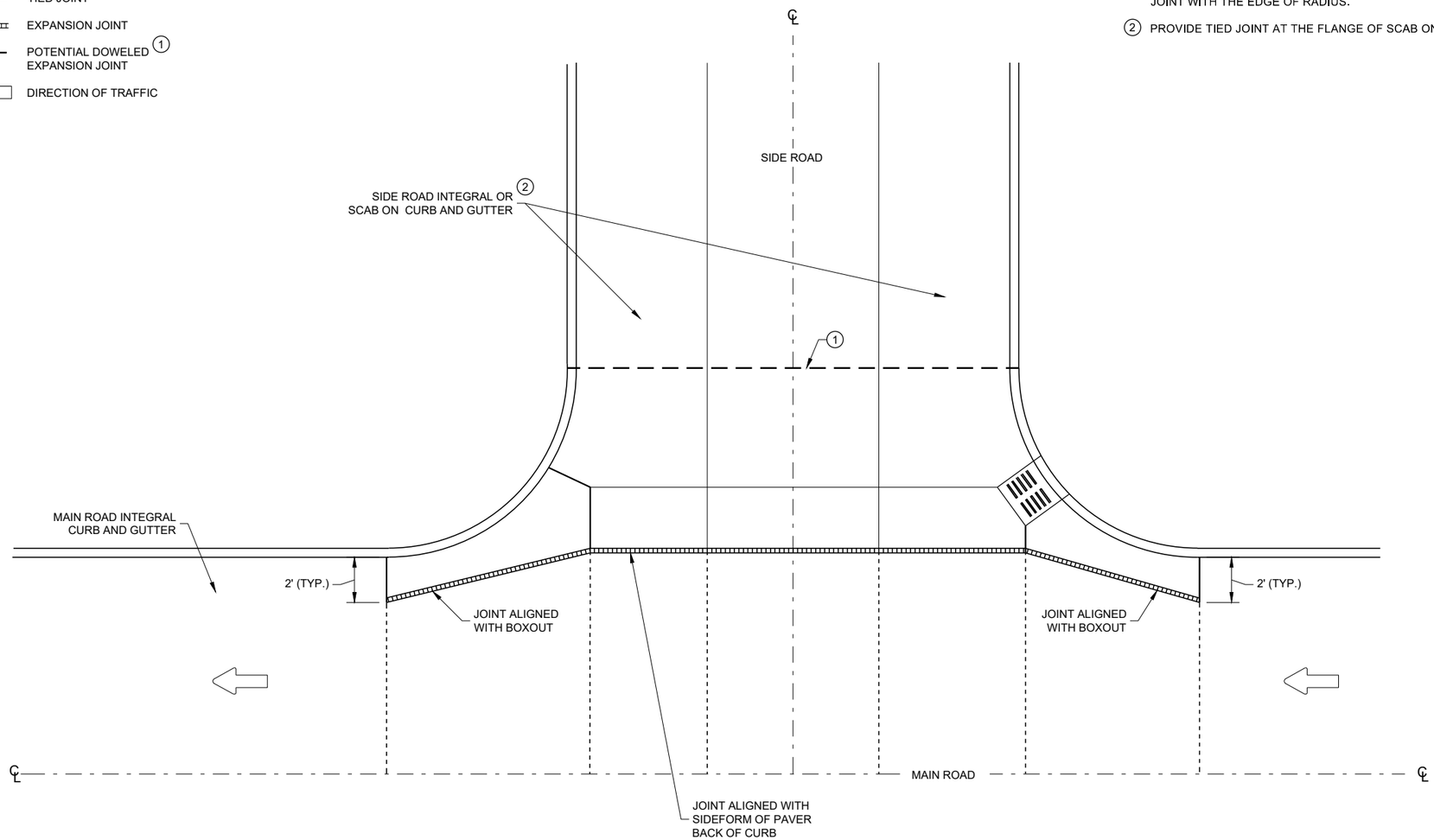
SDD13C18 - 08d

6

SDD13C18 - 08d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS 798

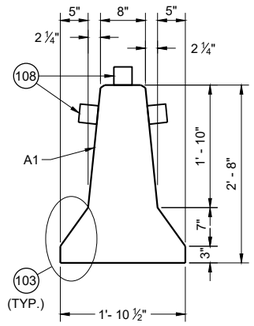
FHWA

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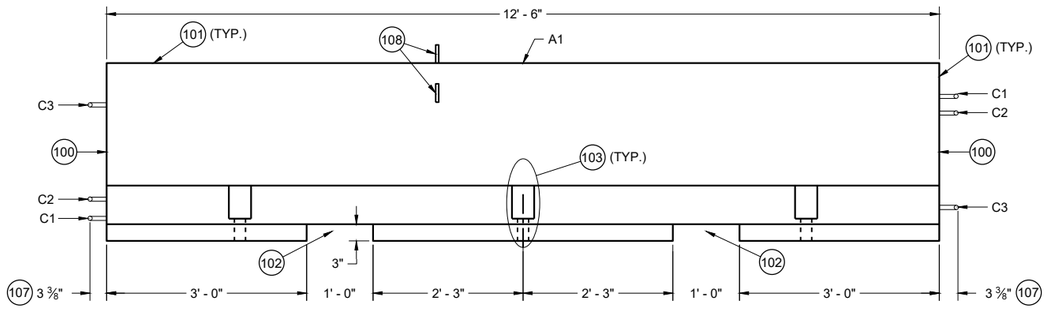
SDD 13C18 - 08f

6

SDD 13C18 - 08f



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

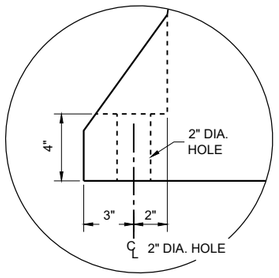
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

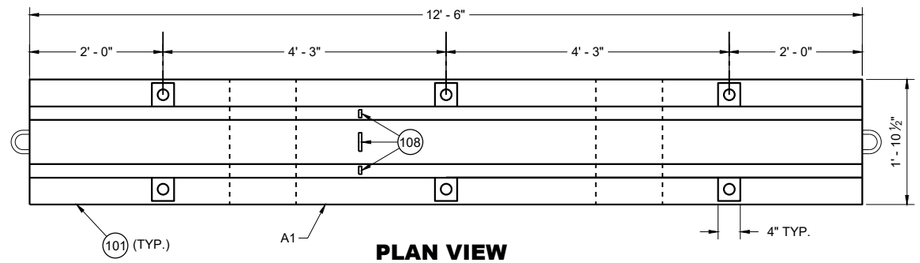
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

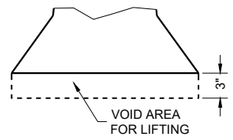


ANCHOR BLOCK DETAIL

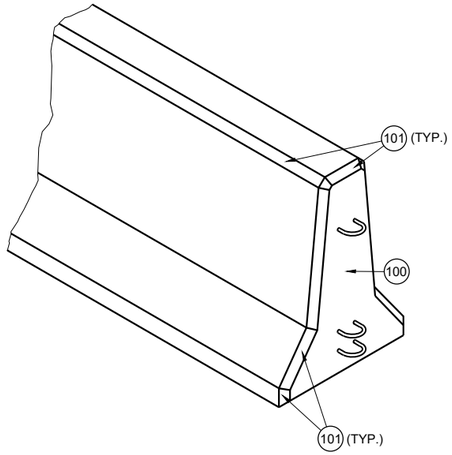


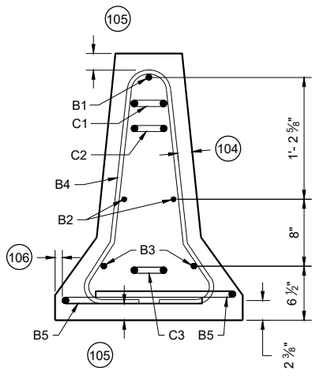
PLAN VIEW

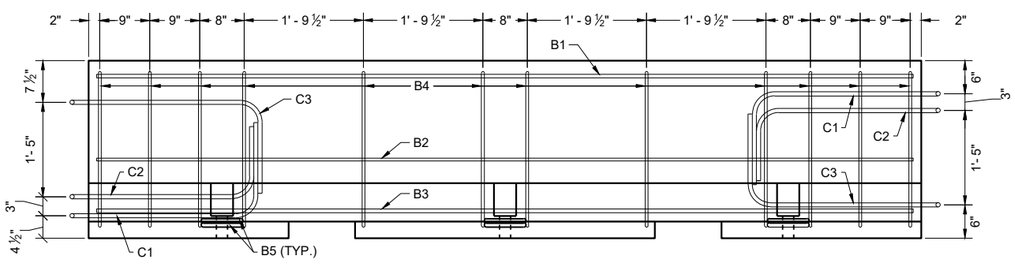
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







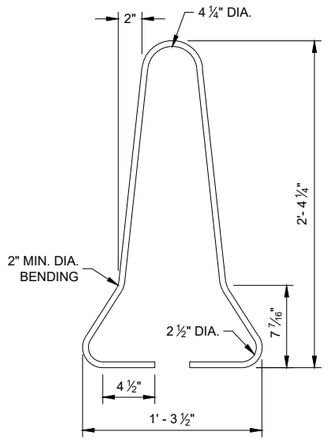
PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

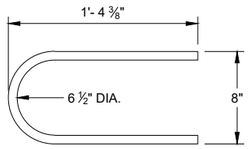
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

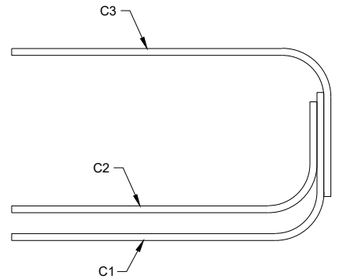
6
SDD 14B07-16a



B4 BAR DETAIL

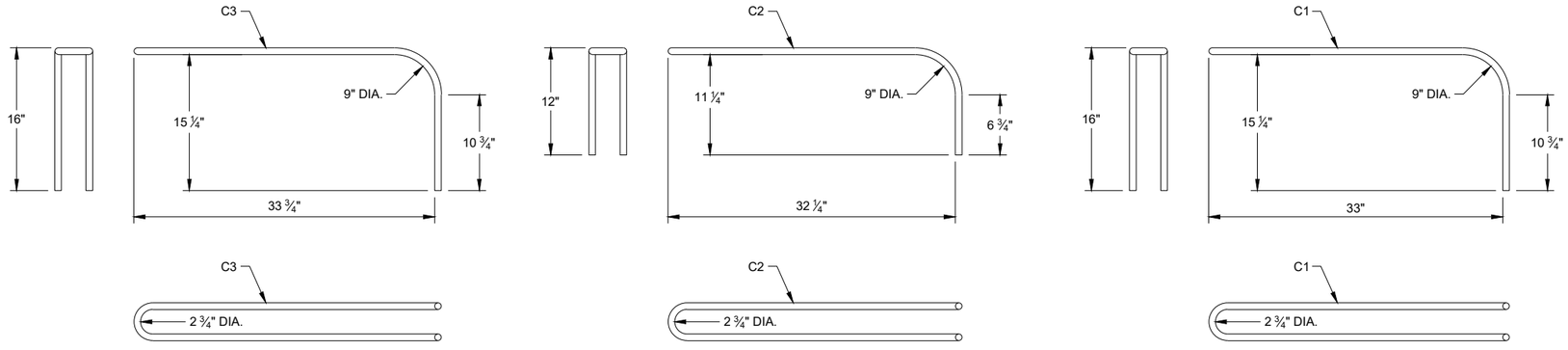


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY



C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

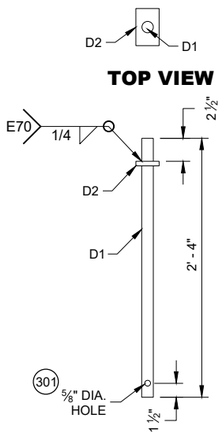
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 800

6

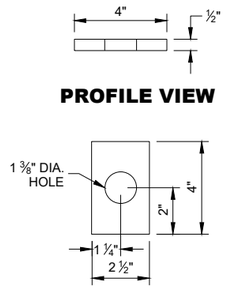
SDD 14B07-16b

6

SDD 14B07-16b

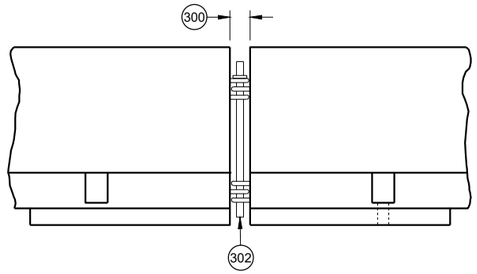


PROFILE VIEW



TOP VIEW
D2

CONNECTOR PIN ASSEMBLY



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

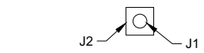
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

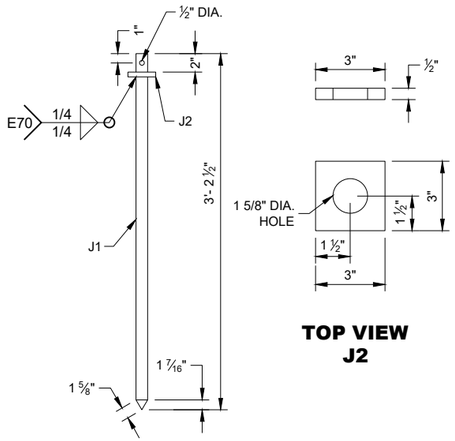
306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.

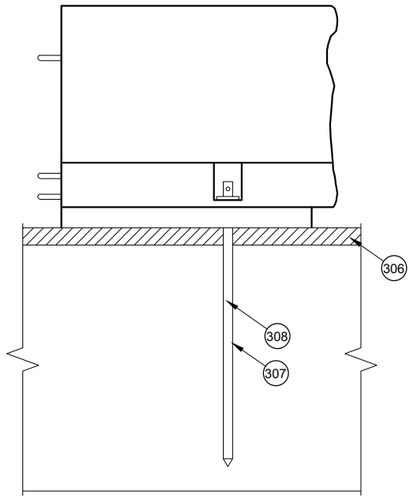




PROFILE VIEW

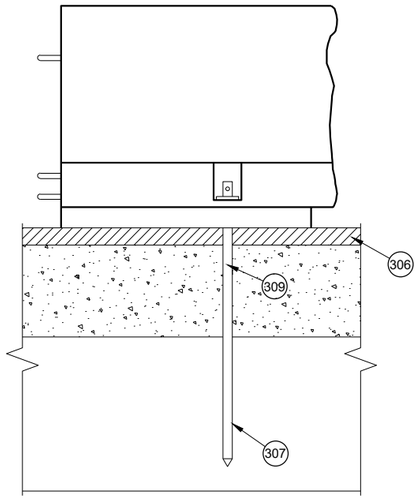
TOP VIEW
J2

ASPHALT ANCHOR PIN ASSEMBLY



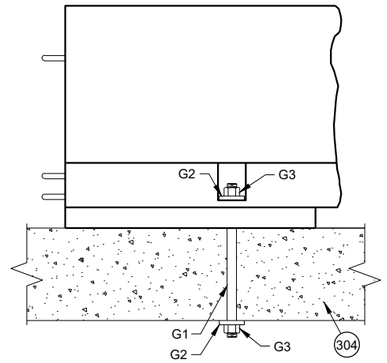
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



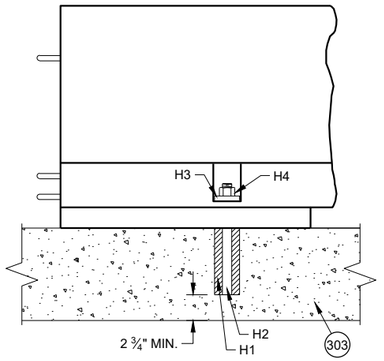
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION (305)



SIDE VIEW

ADHESIVE ANCHOR INSTALLATION (305)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

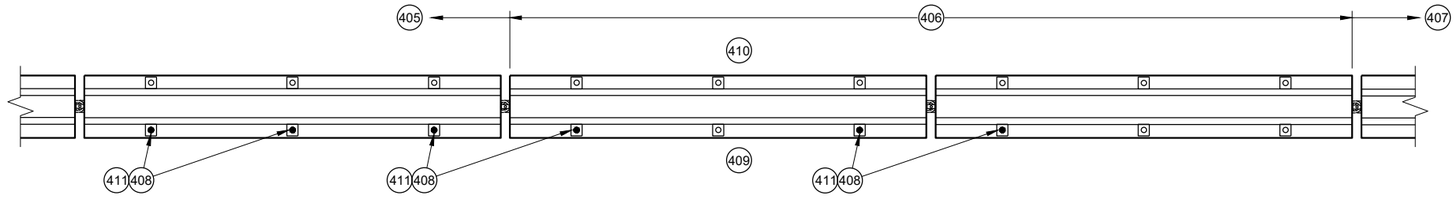
801

6

SDD 14B07-16c

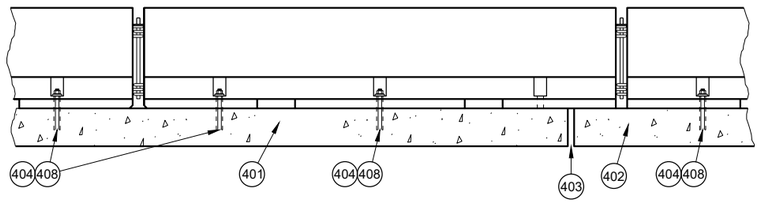
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SDD 14B07-16c



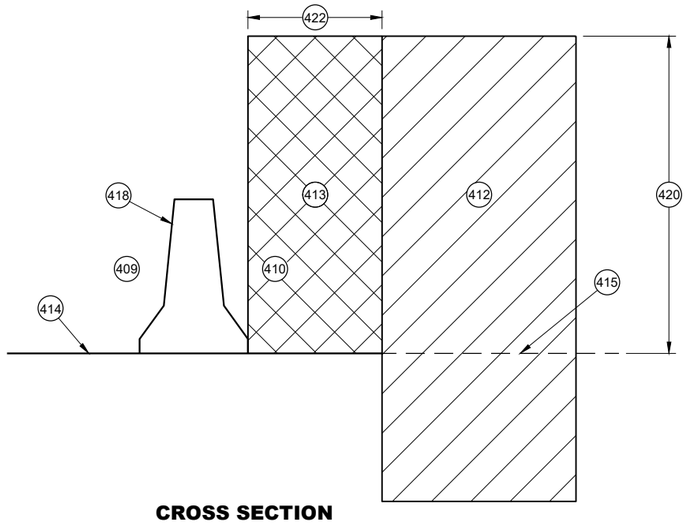
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



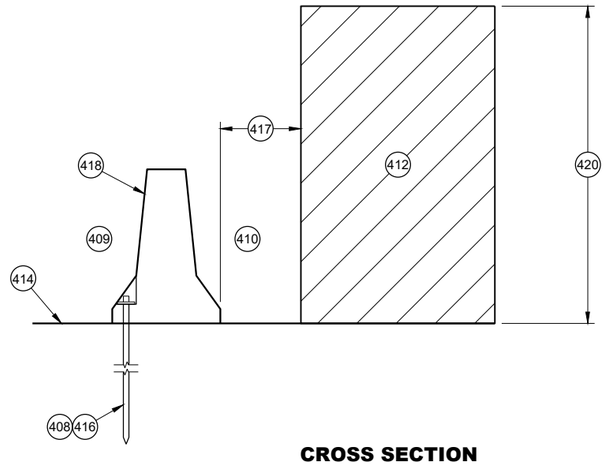
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



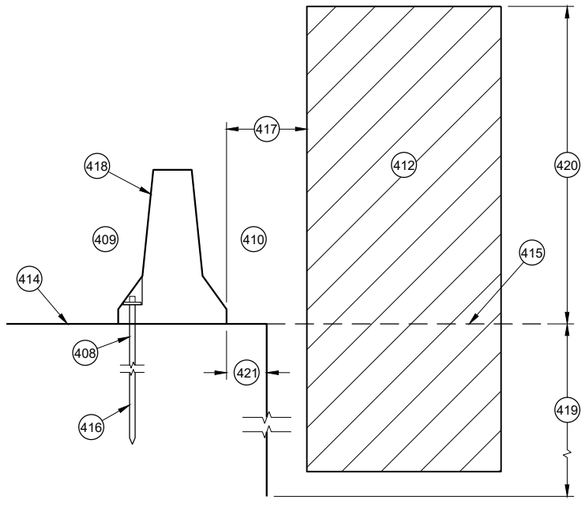
CROSS SECTION

FREE STANDING BARRIER



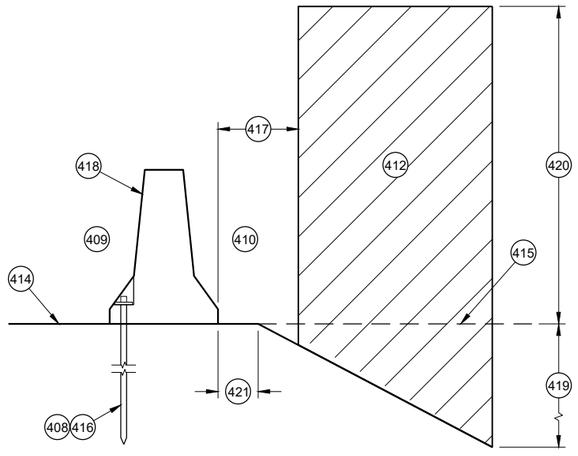
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

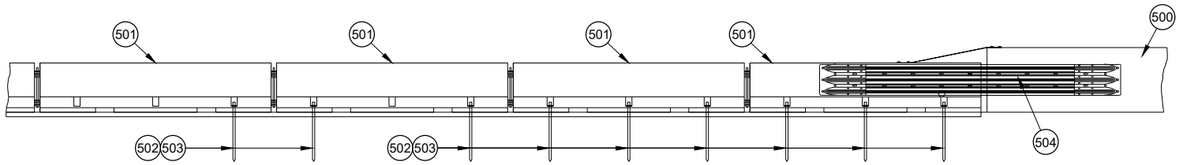
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

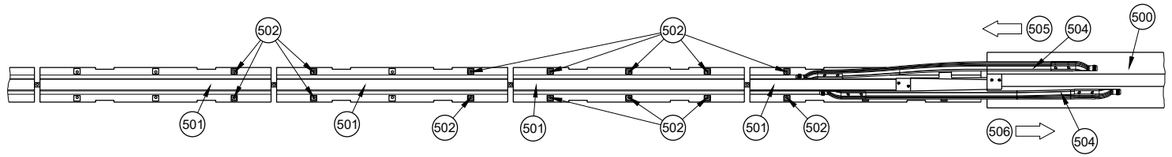
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

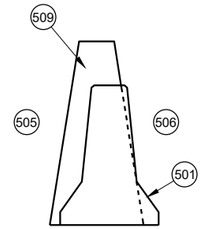
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



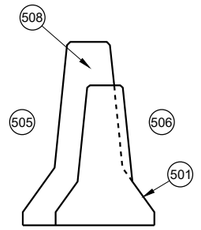
PROFILE VIEW



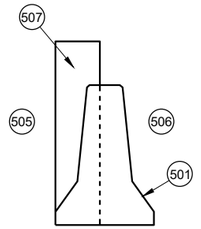
PLAN VIEW
TRANSITION TO RIGID BARRIER



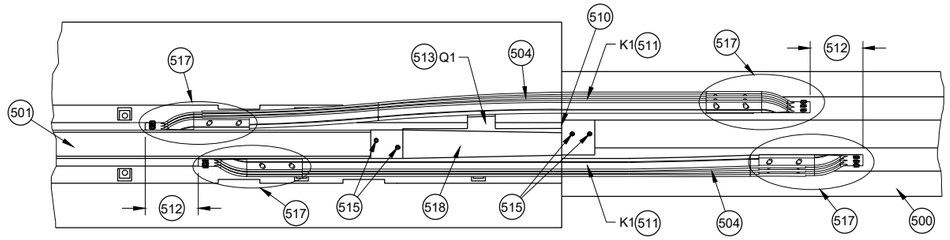
CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE



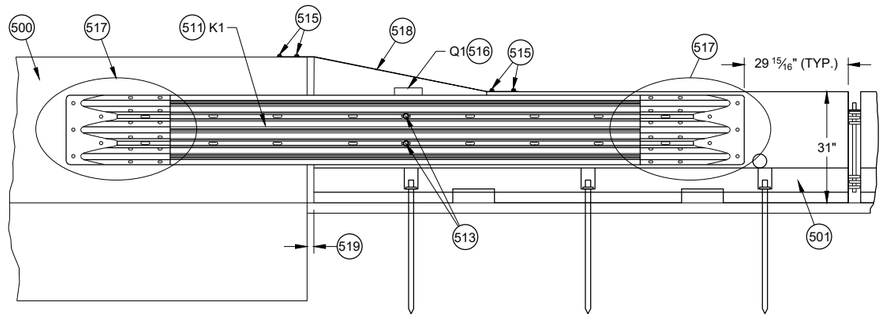
CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE



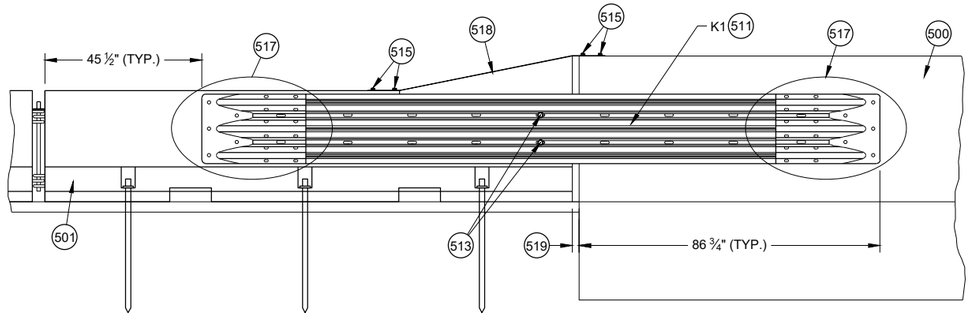
CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL



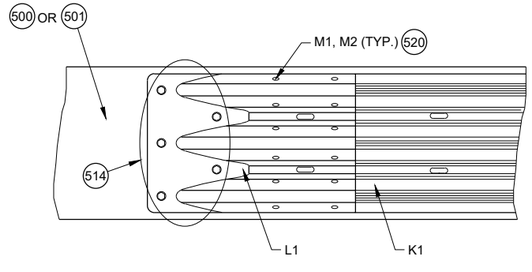
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



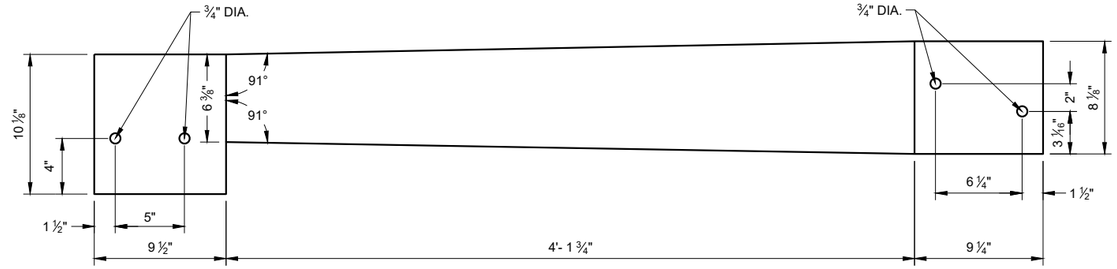
517 DETAIL PLAN VIEW
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

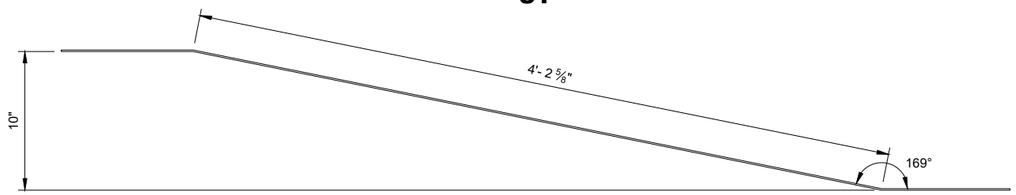
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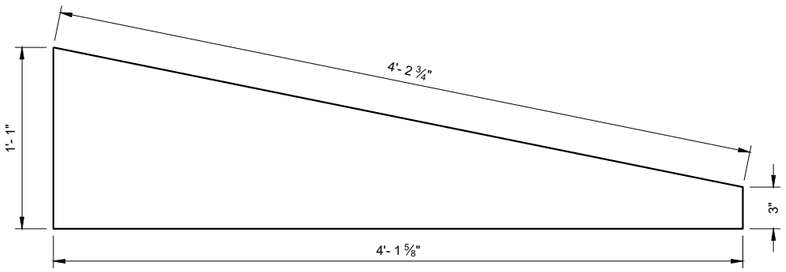
TOP VIEW

S1



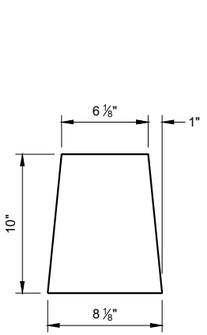
ELEVATION VIEW

S1

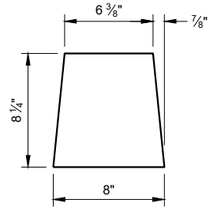


SIDE VIEW

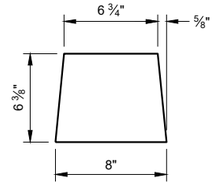
S3



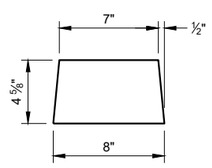
S2



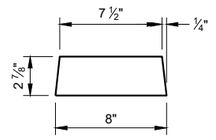
S4



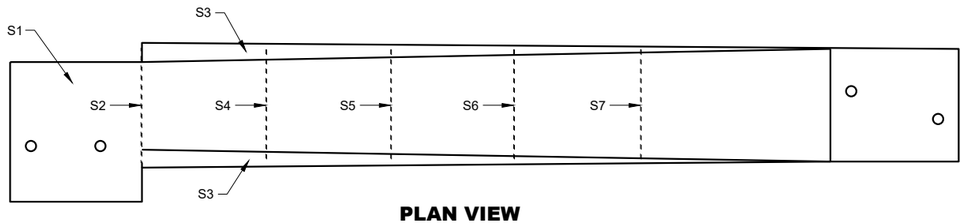
S5



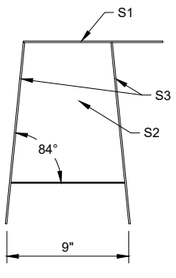
S6



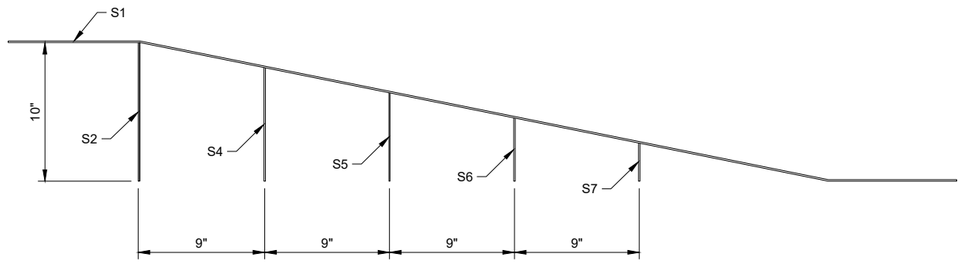
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

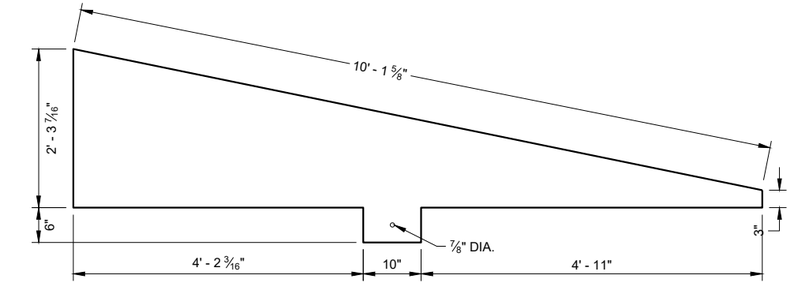
STATE OF WISCONSIN
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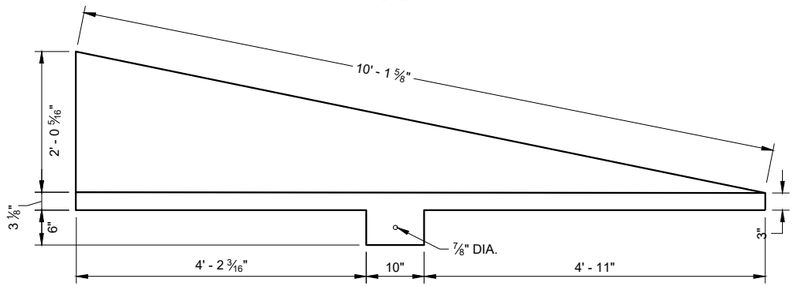
SDD 14B07-16f



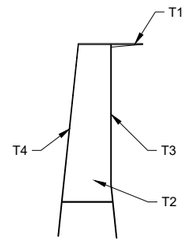
SIDE VIEW
T4



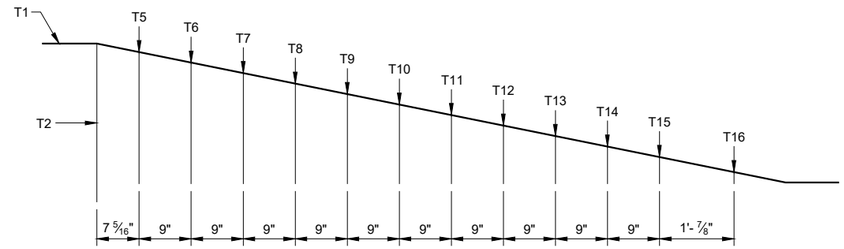
END VIEW



SIDE VIEW
T3



END VIEW
56 INCH TOP CAP



SIDE VIEW (700)
56 INCH TOP CAP

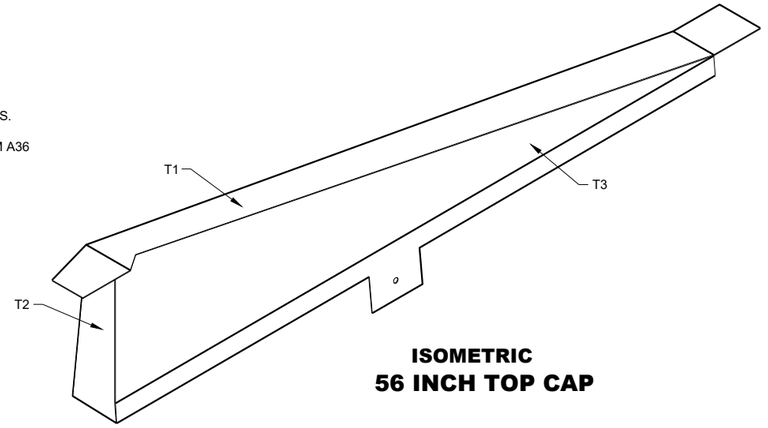
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

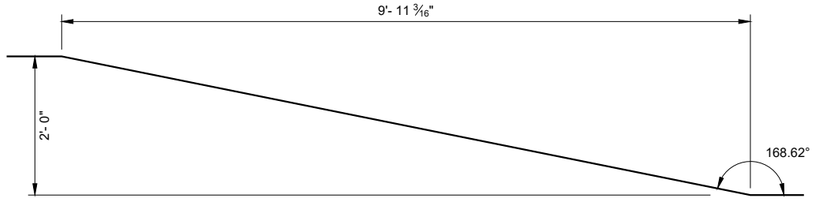
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

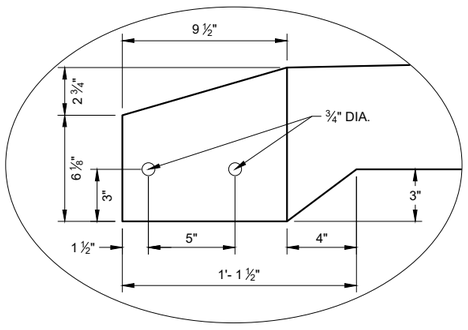
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



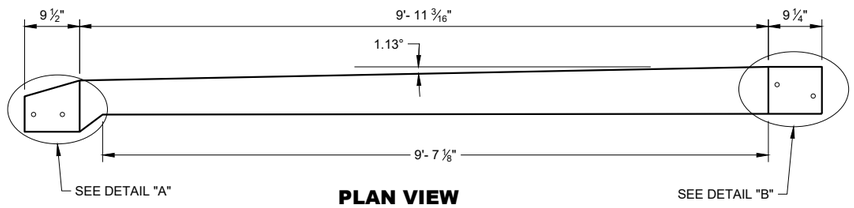
ISOMETRIC
56 INCH TOP CAP



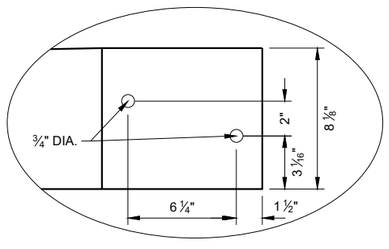
SIDE VIEW
TOP PLATE T1



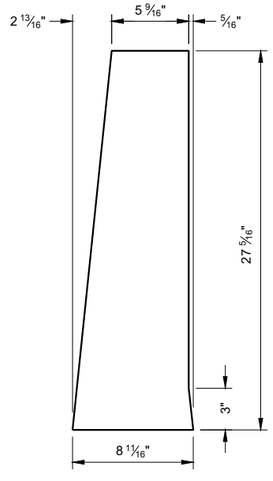
DETAIL "A"



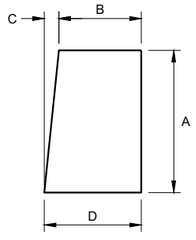
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

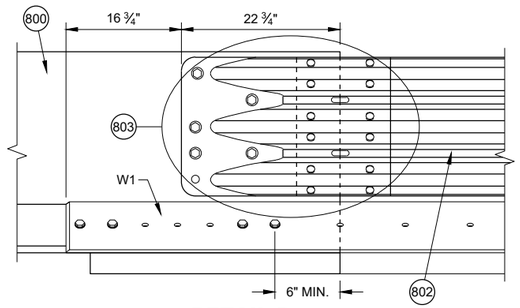
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

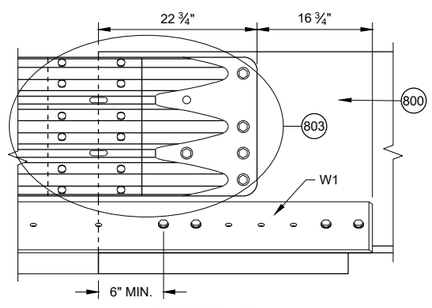
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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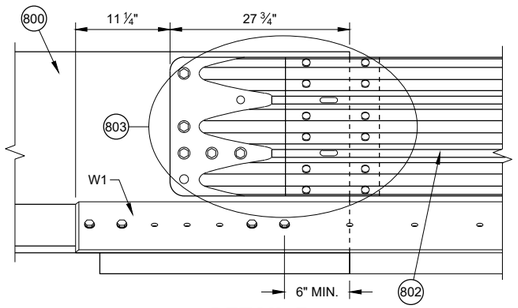
SDD 14B07-16g



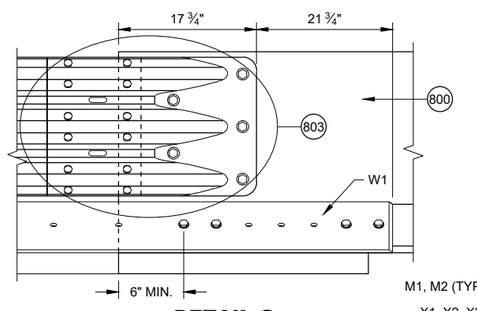
DETAIL D



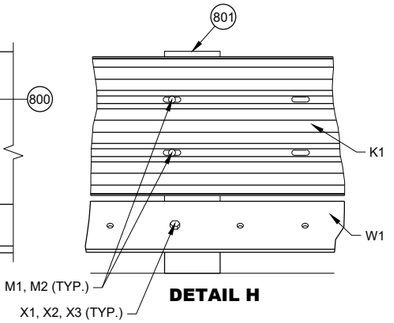
DETAIL E



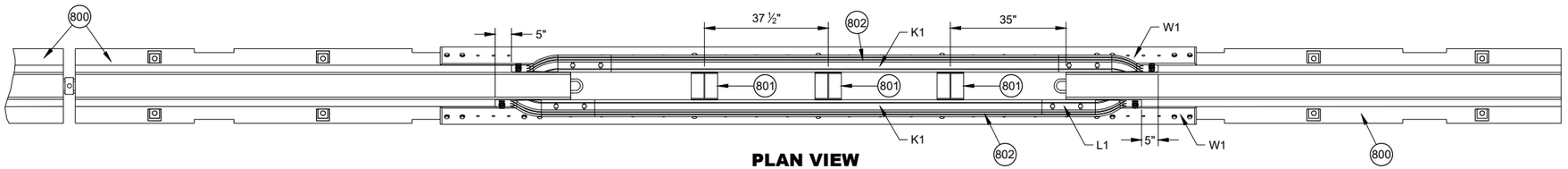
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

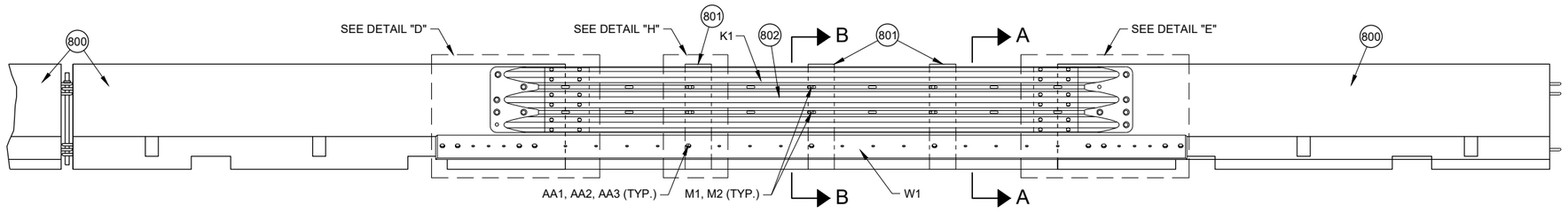
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

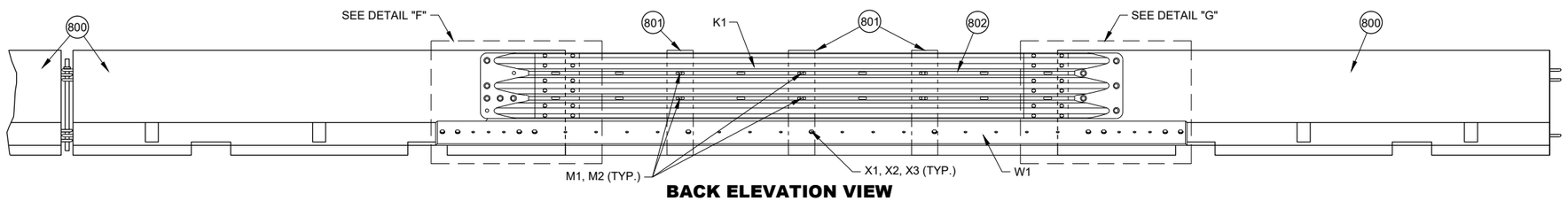
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



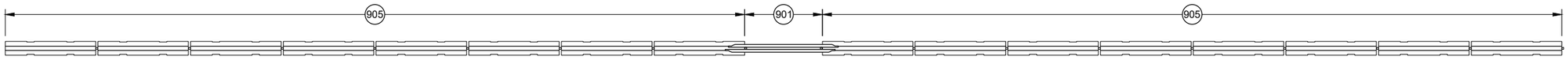
BACK ELEVATION VIEW

PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

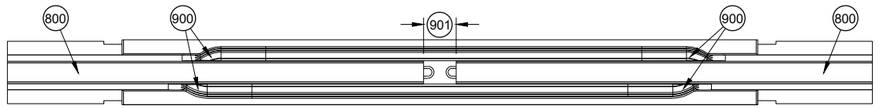
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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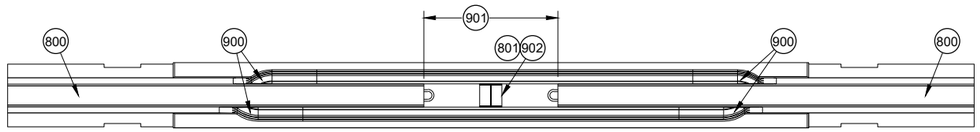
PLAN VIEW
GAP WITHIN SPACING



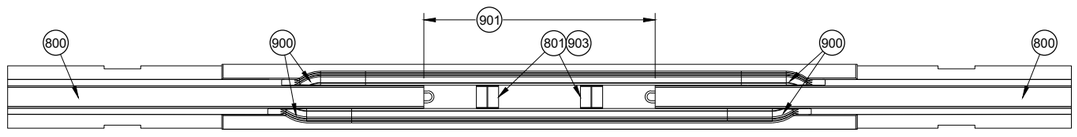
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

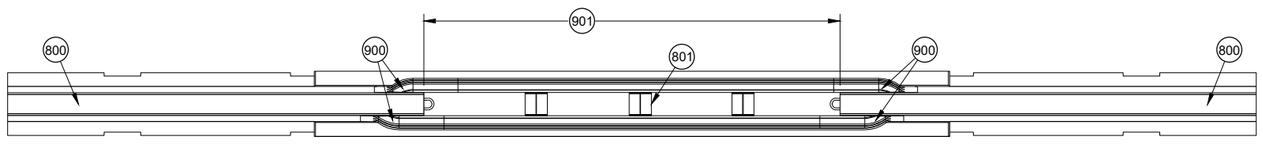
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)

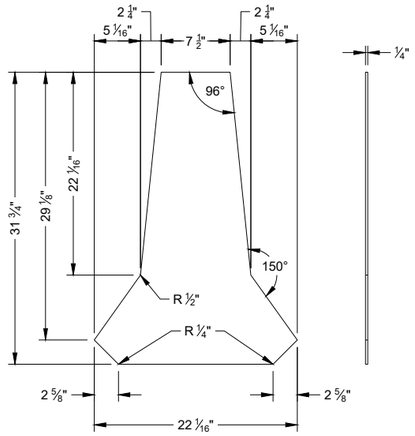


PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

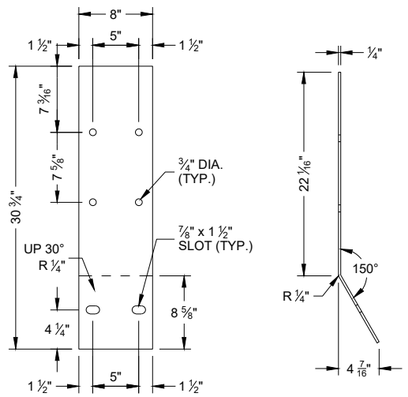
STATE OF WISCONSIN
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PROFILE VIEW SIDE VIEW

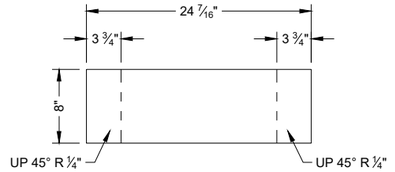
STIFFENER ASSEMBLY CENTER PANEL U1



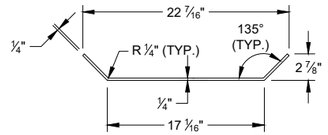
FLAT PATTERN

SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

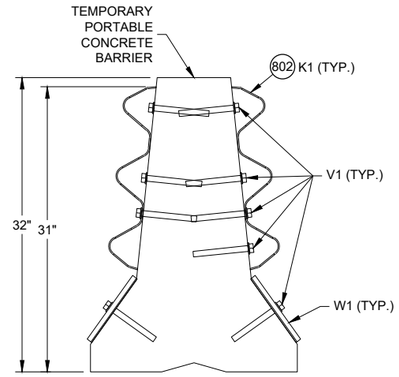


FLAT PATTERN

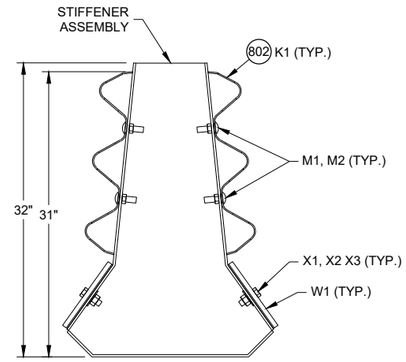


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

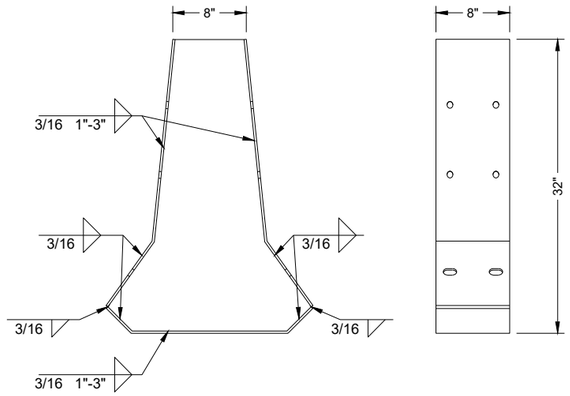


SECTION A - A



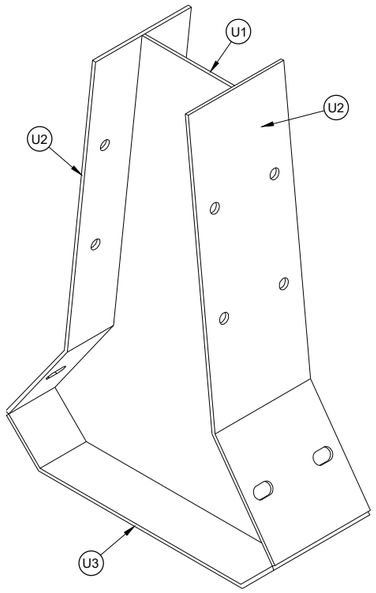
SECTION B - B

PLAN VIEW



PROFILE VIEW

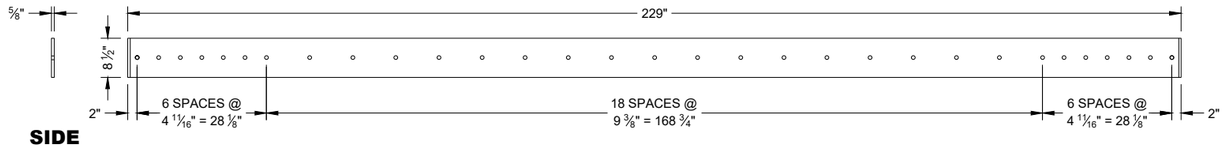
SIDE VIEW



ISOMETRIC

GAP STIFFENER ASSEMBLY

PLAN VIEW



SIDE VIEW

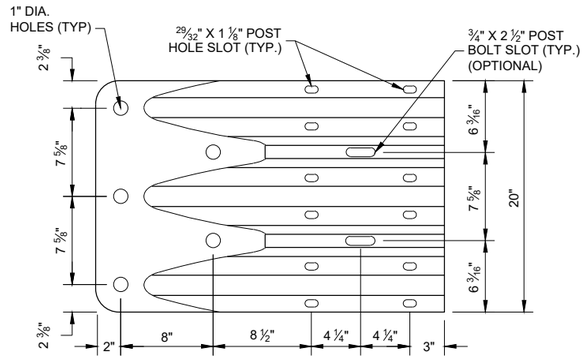
ELEVATION VIEW

W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

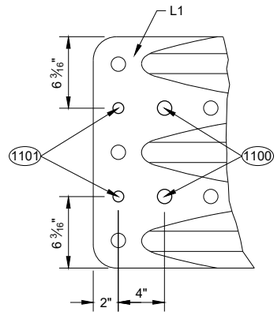
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ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

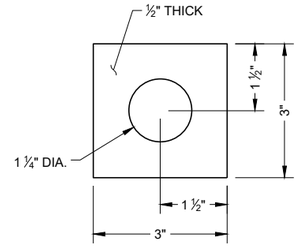


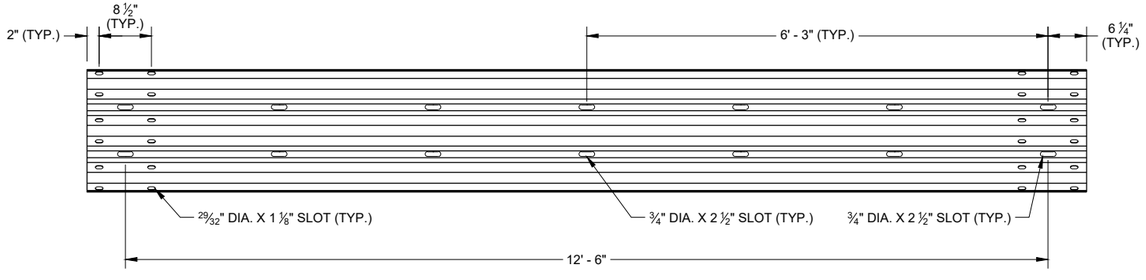
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

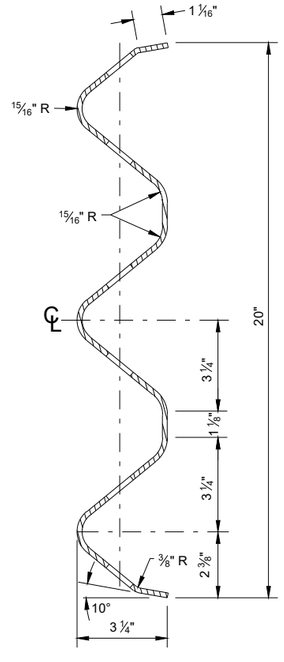
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



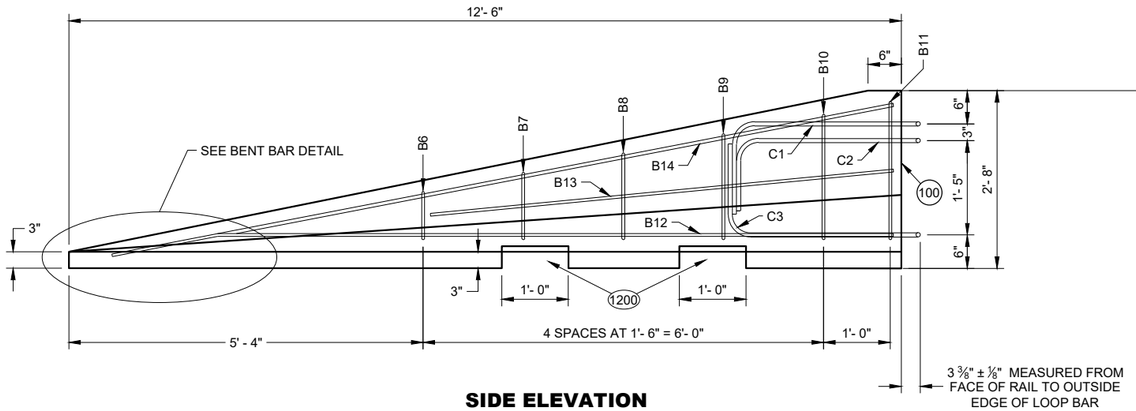
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

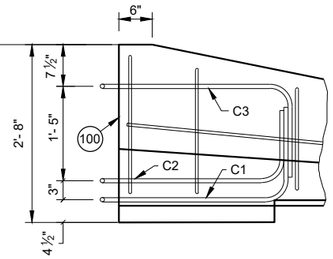
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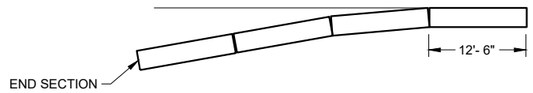
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

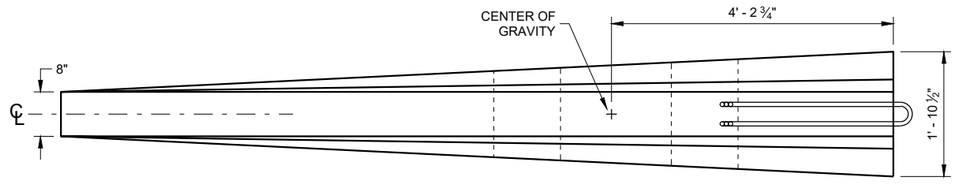
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

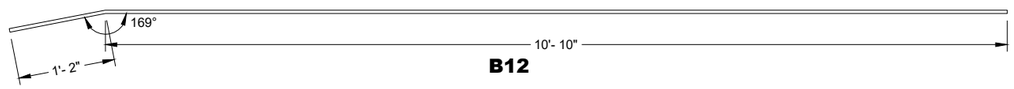


FLARE AT BARRIER END

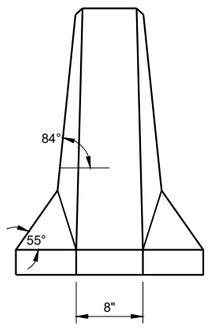
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



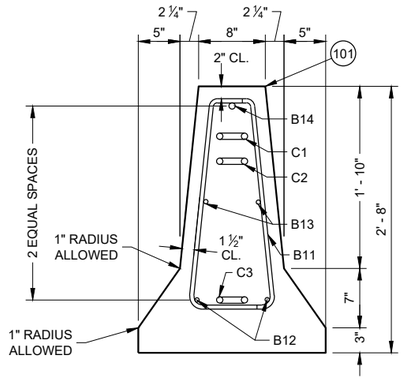
PLAN VIEW



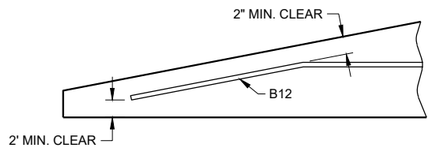
B12



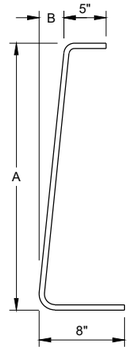
FRONT ELEVATION



END SECTION



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. BOND STRENGTH OF 1,650 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T2	CAP 56-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T3	CAP 56-INCH SIDE PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T4	CAP 56-INCH SIDE PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T5	CAP 56-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T6	CAP 56-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T7	CAP 56-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T8	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T9	CAP 42-INCH GUSSET 5	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T10	CAP 42-INCH GUSSET 6	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T11	CAP 42-INCH GUSSET 7	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T12	CAP 42-INCH GUSSET 8	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T13	CAP 42-INCH GUSSET 9	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T14	CAP 42-INCH GUSSET 10	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T15	CAP 42-INCH GUSSET 11	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T16	CAP 42-INCH GUSSET 12	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U1	GAP STIFFENER	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U2	GAP STIFFENER - CONNECTOR PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U3	GAP STIFFENER - CONNECTOR PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
W1	TOE PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 HEAD, ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

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SDD 14B07-16n

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

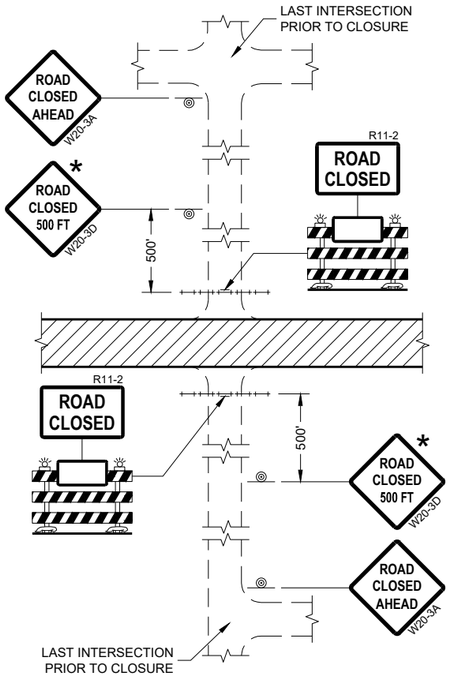
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

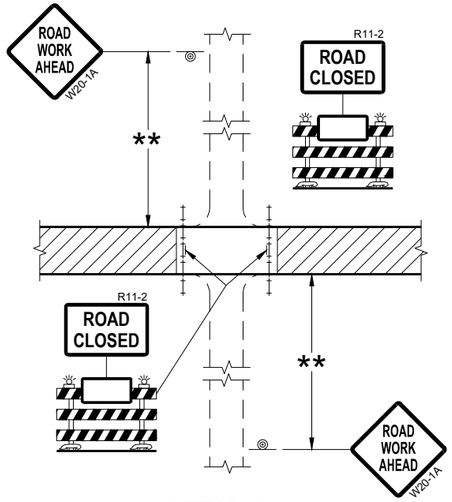
FHWA

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SDD 14B07-16n



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

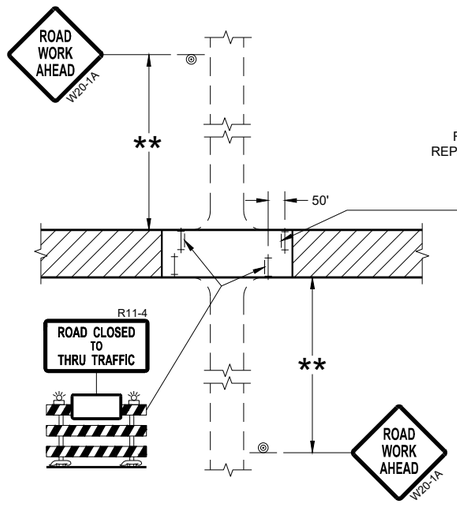
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

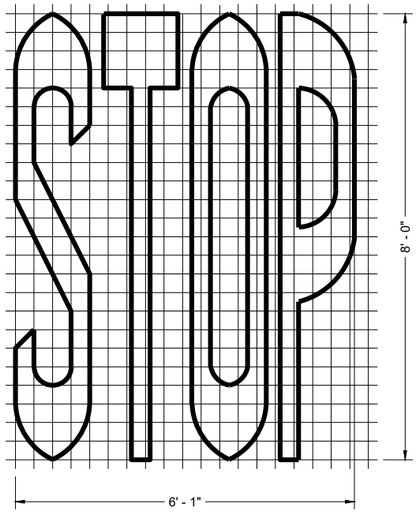
APPROVED
July 2018
DATE

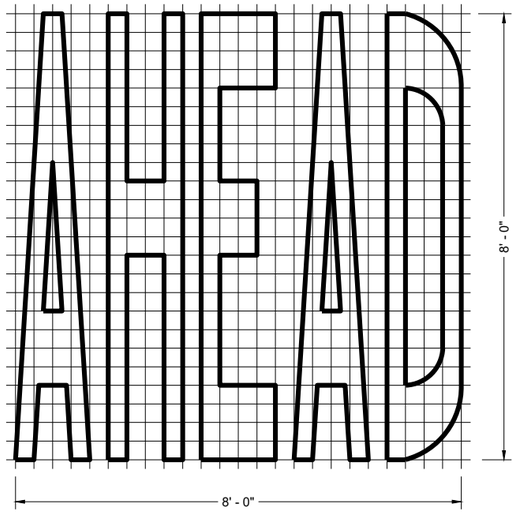
/S/ Andrew Heidtke
WORK ZONE ENGINEE 813

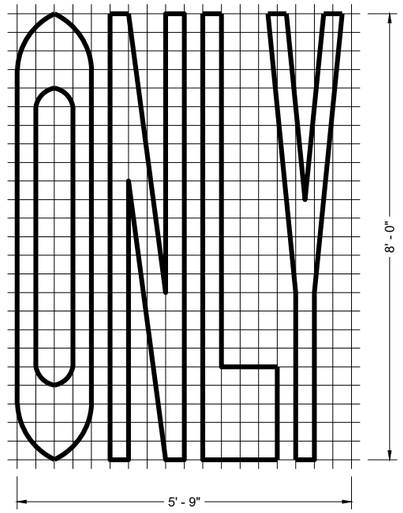
FHWA

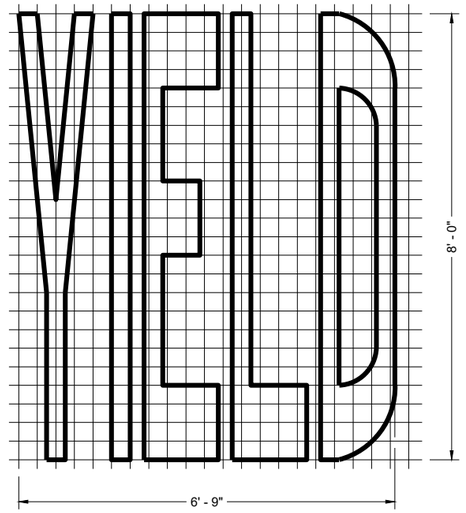
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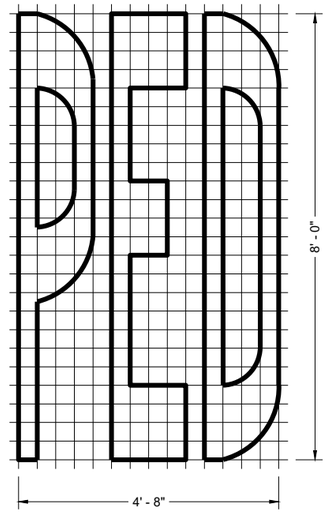
SDD 15C03 - 05

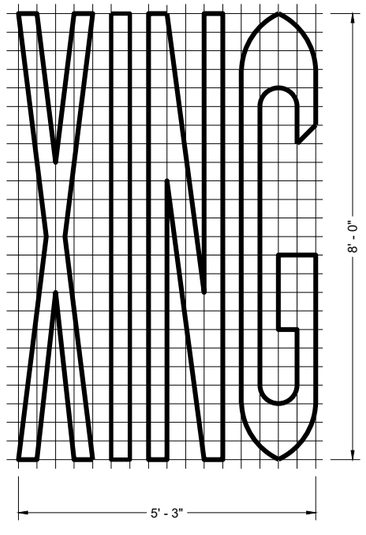


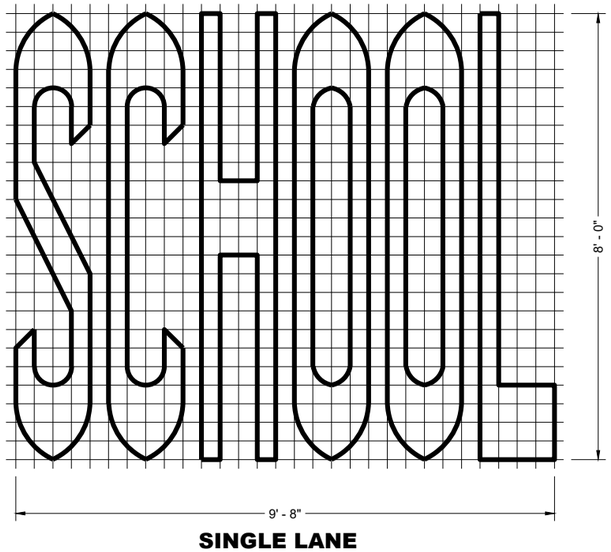




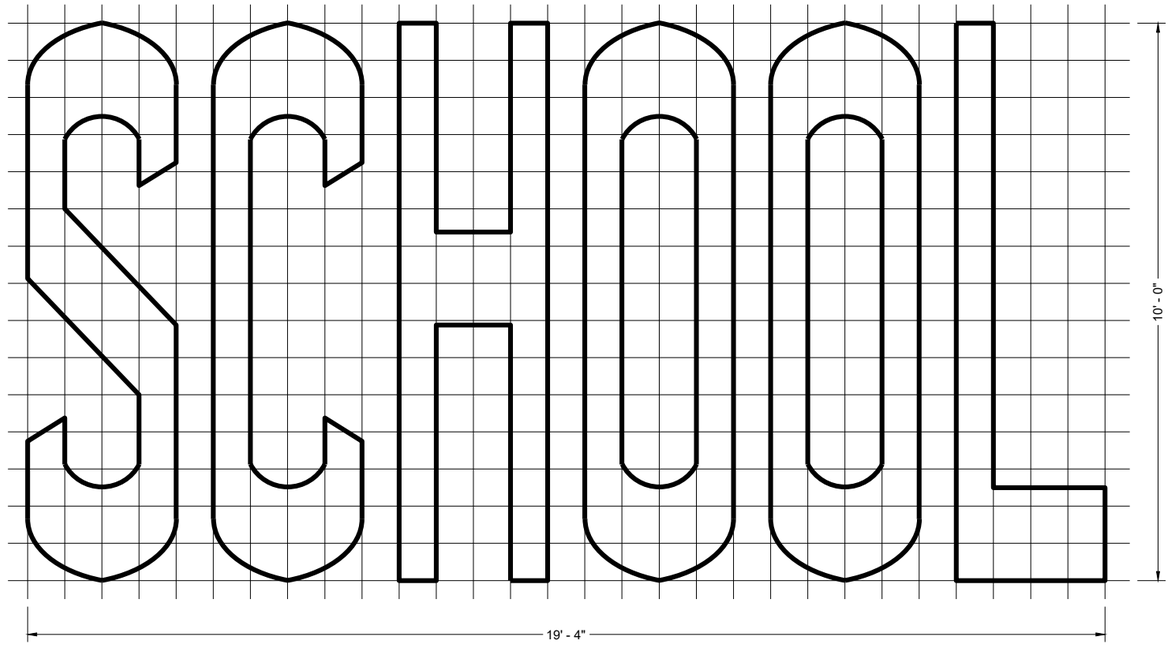








SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

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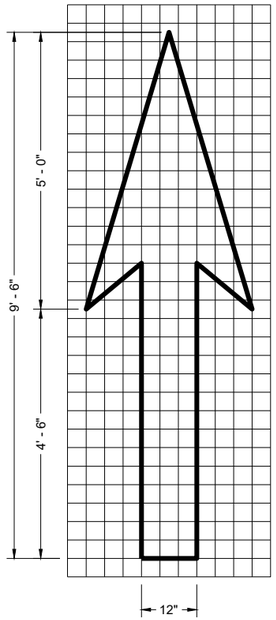
SDD 15C07-16b

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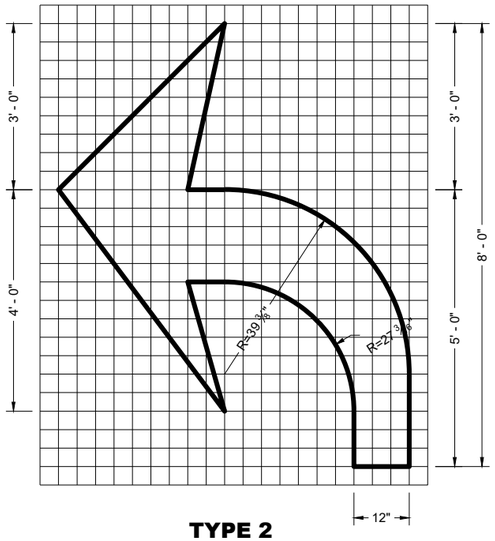
SDD 15C07-16b

GENERAL NOTES

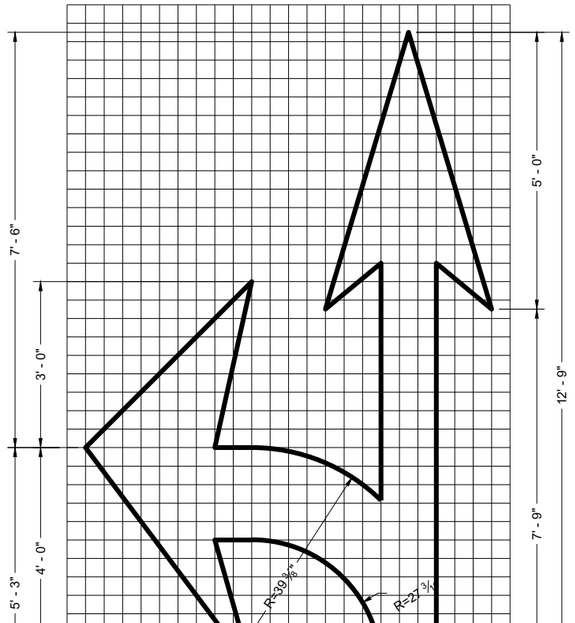
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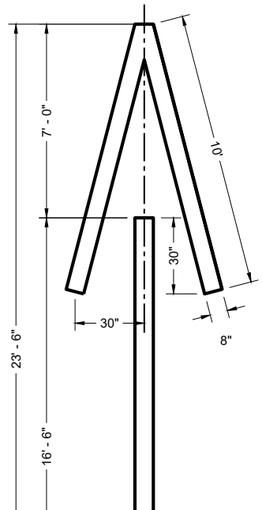
TYPE 1



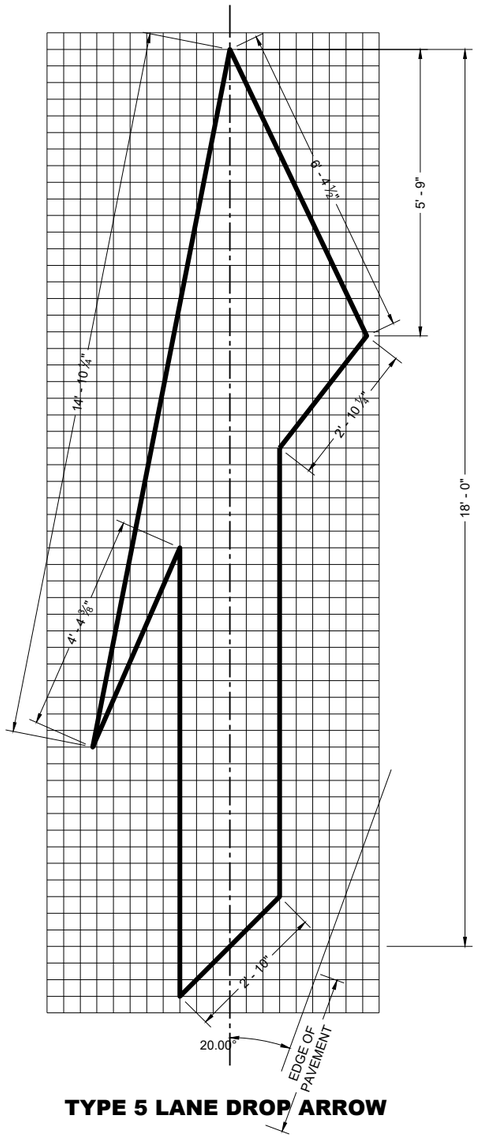
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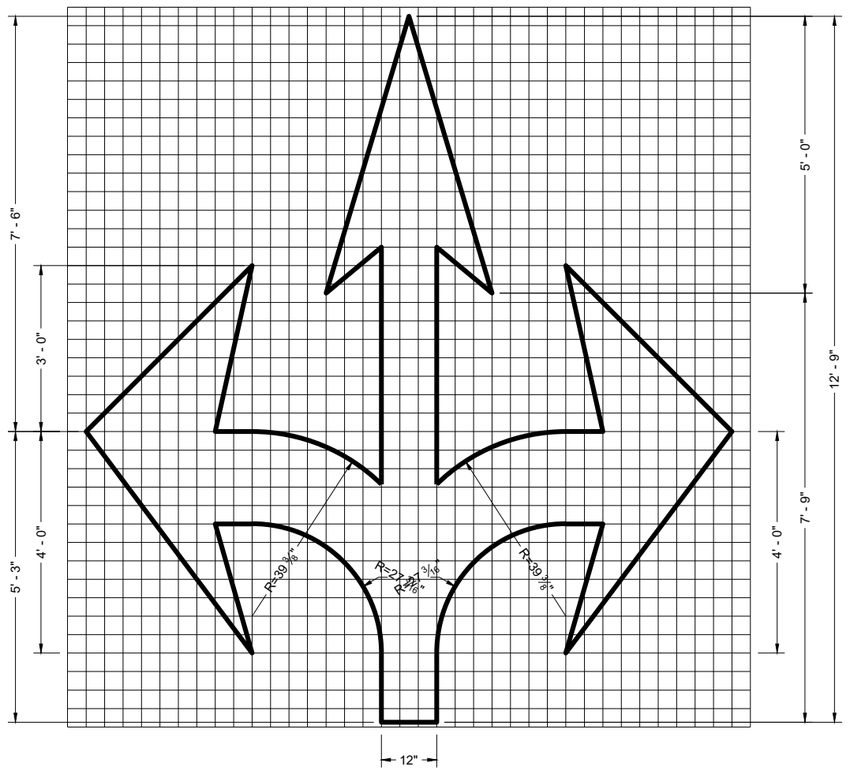
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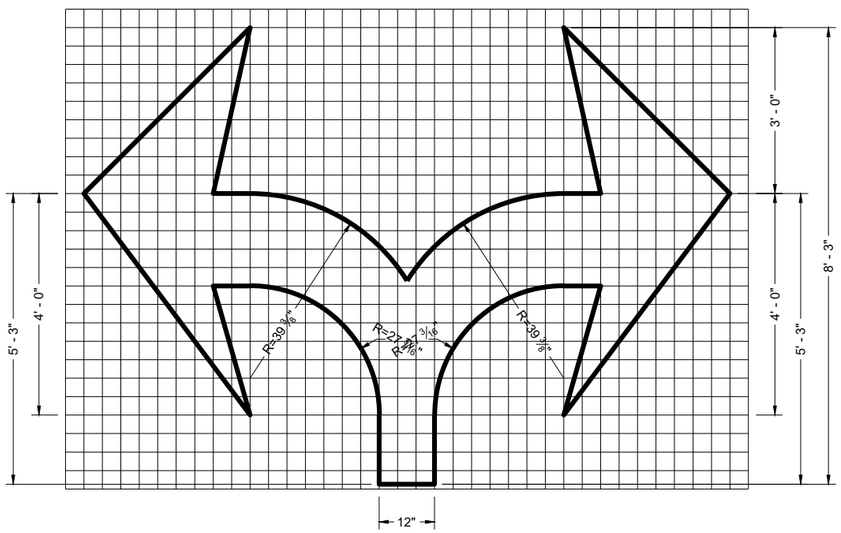
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

SDD 15C07-16c

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SDD 15C07-16c

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

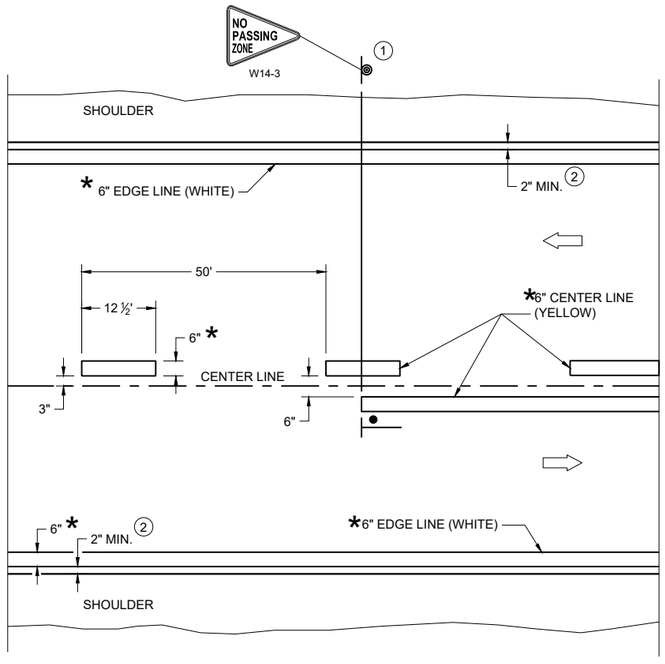
LEGEND

"T" MARKING

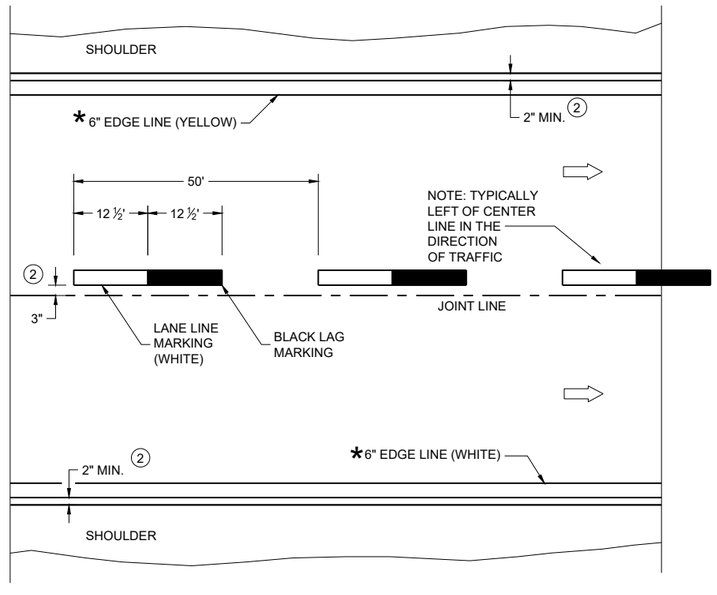
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

SDD 15C08-24a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

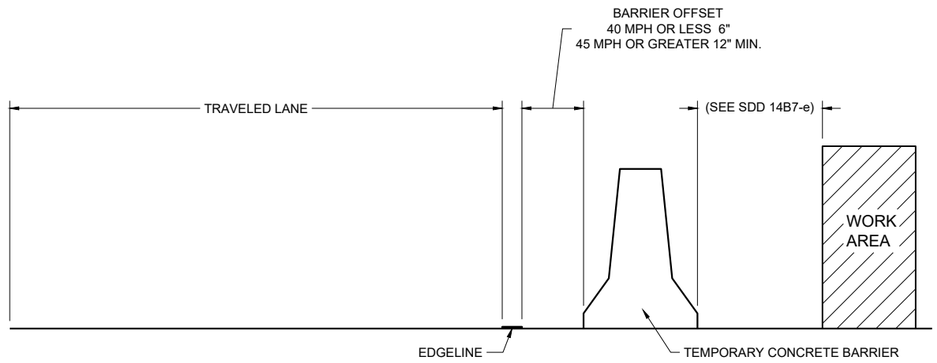
APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

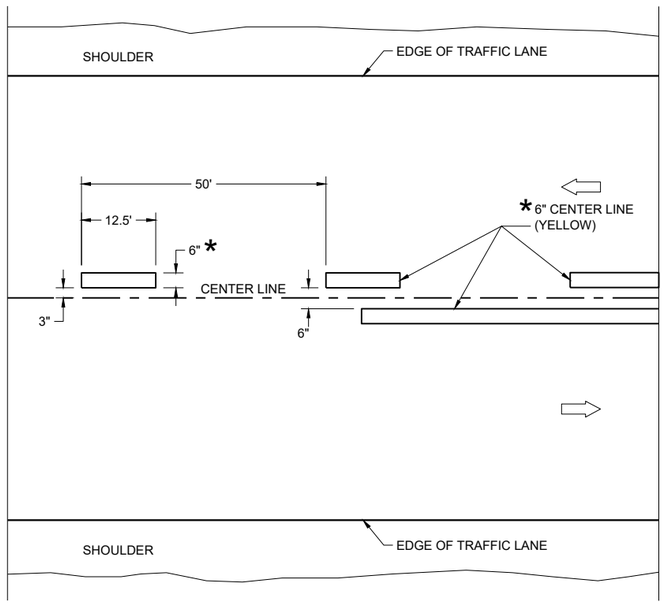
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

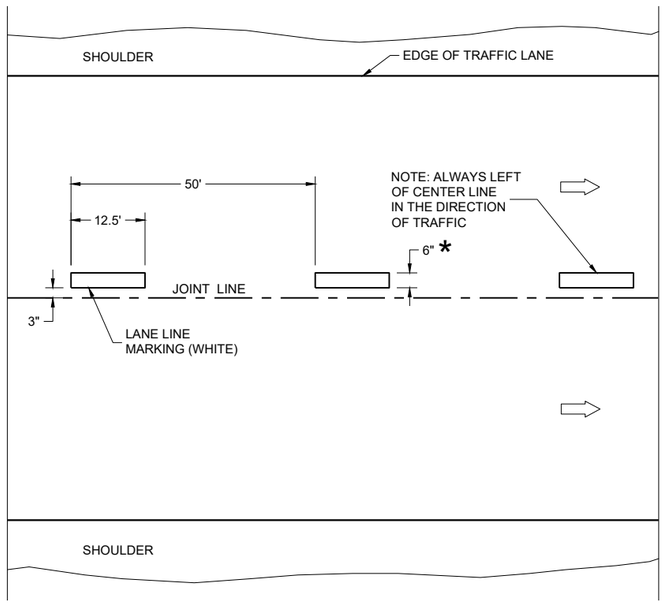
LEGEND

DIRECTION OF TRAFFIC

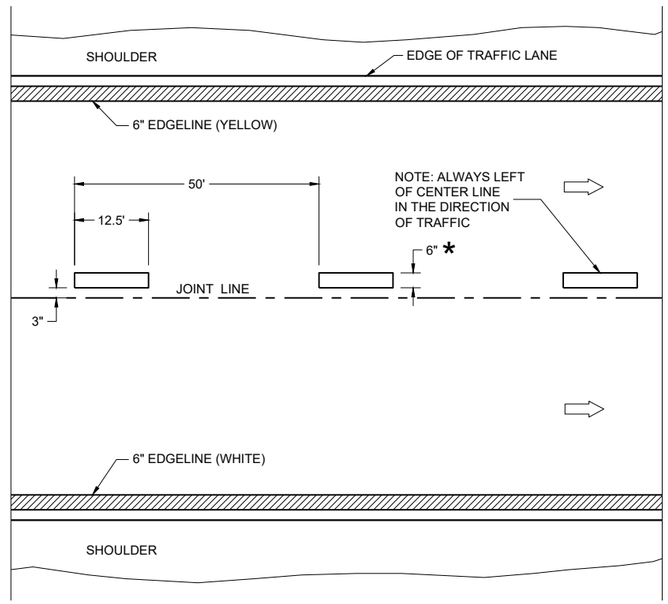
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

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SDD 15C08-24b

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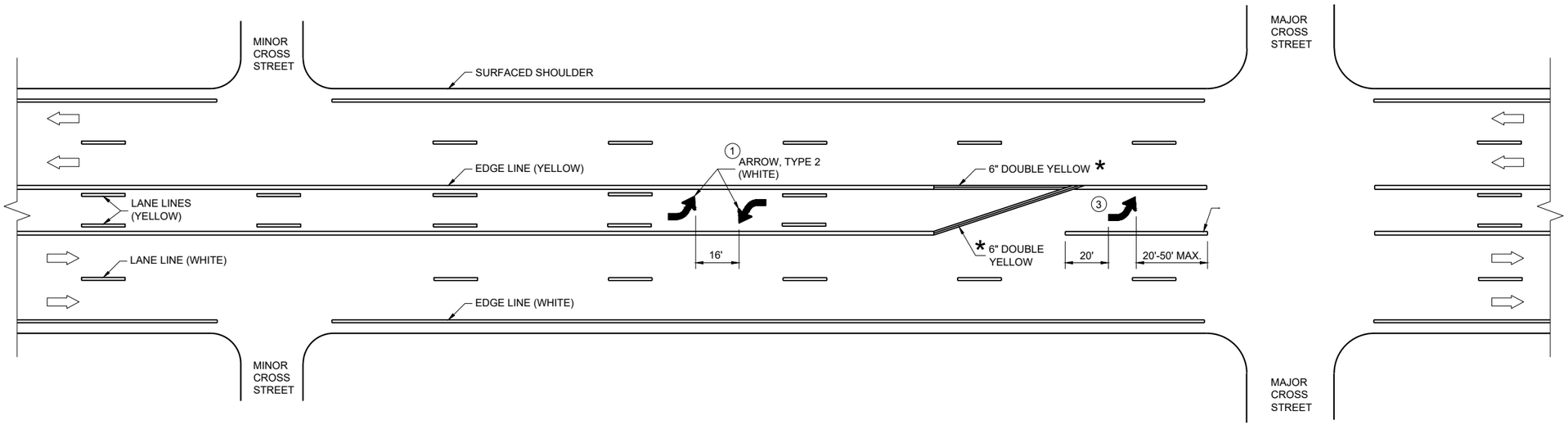
SDD 15C08-24b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



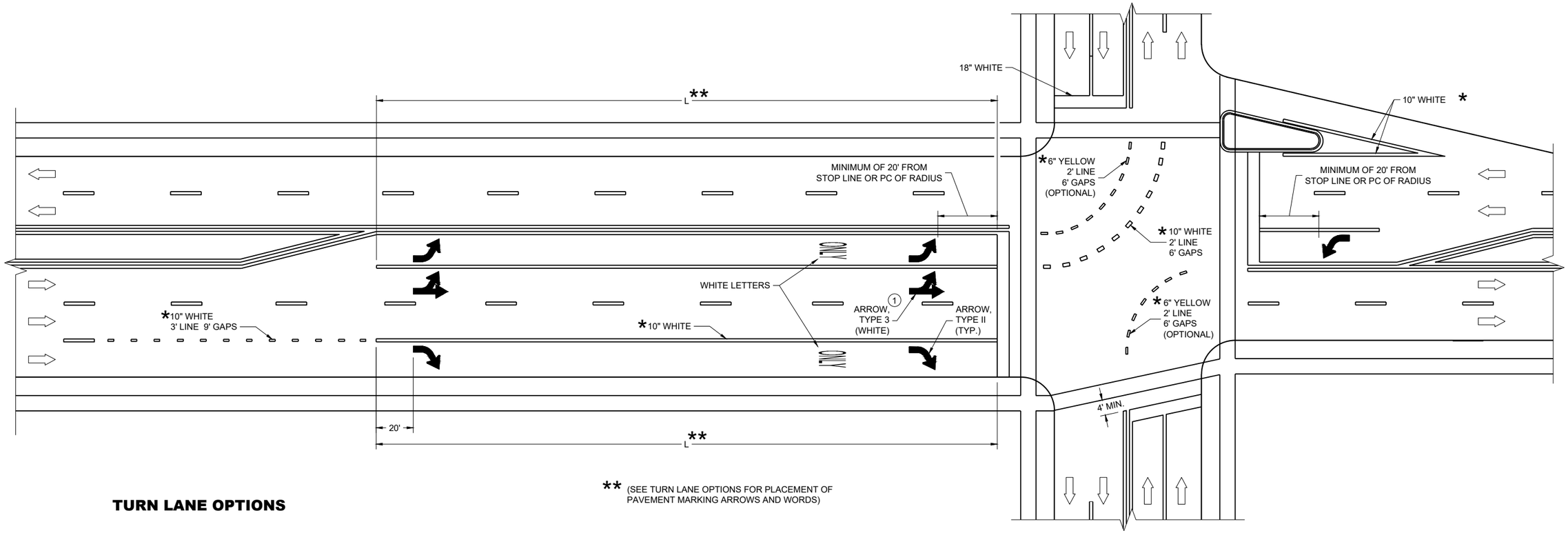
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

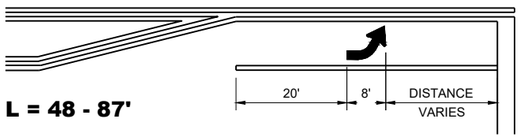
SDD 15C08-24c



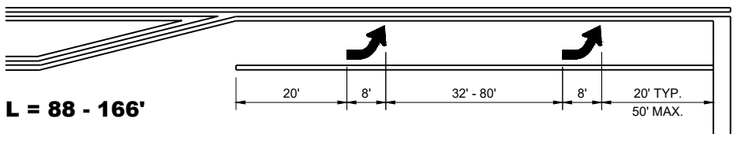
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

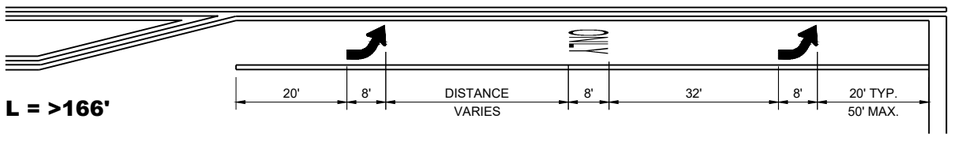
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

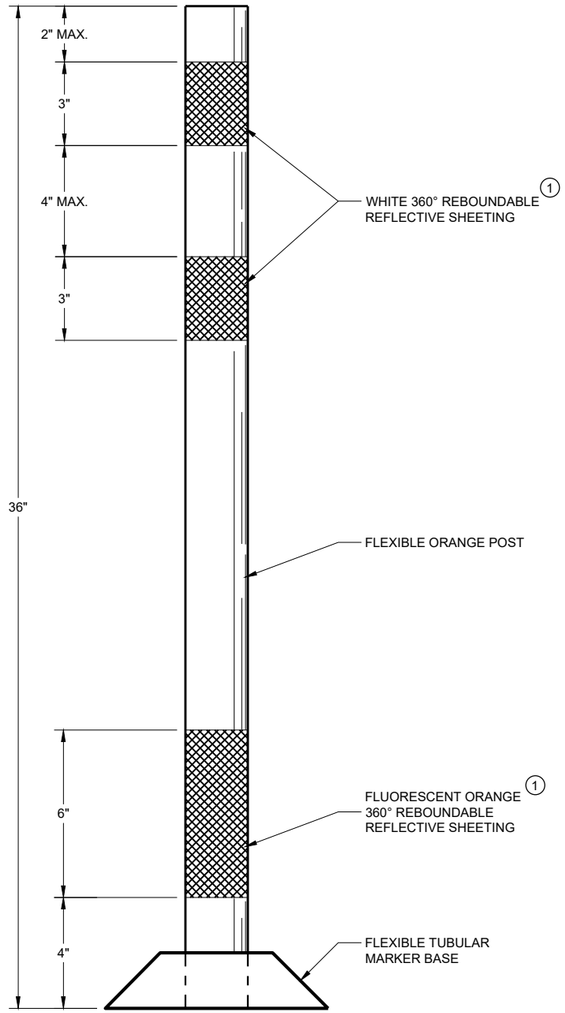
DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

820

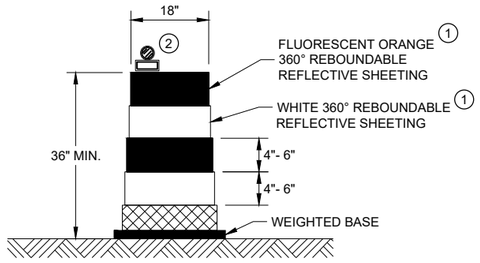
FHWA

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SDD 15C11 - 10a

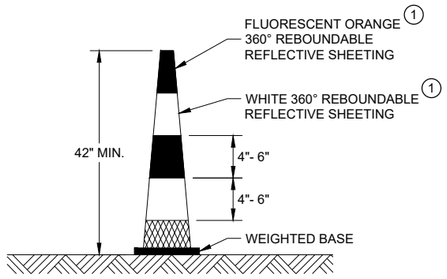
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

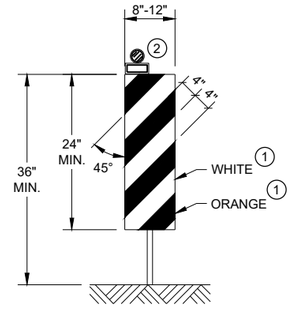
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

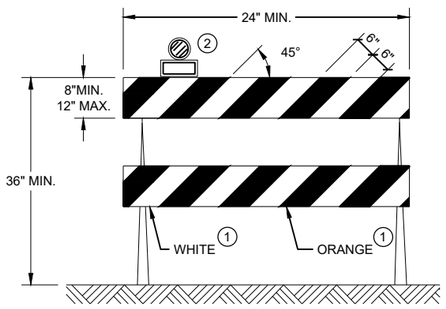
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



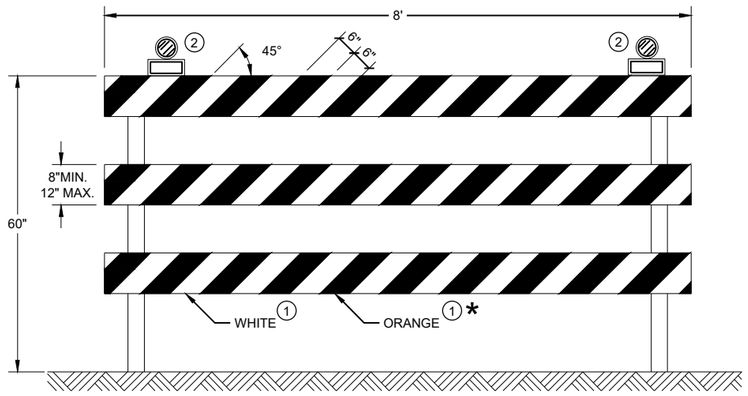
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

821

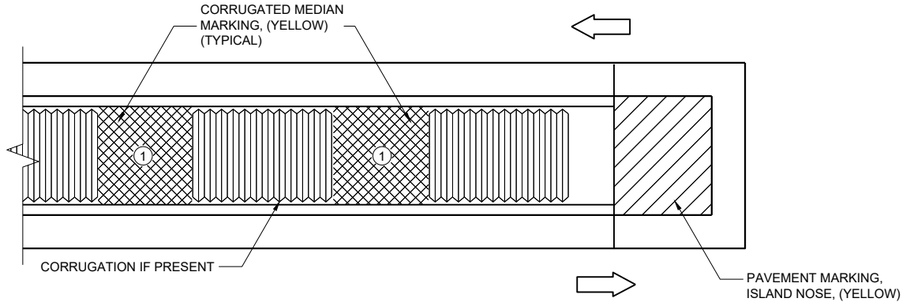
FHWA

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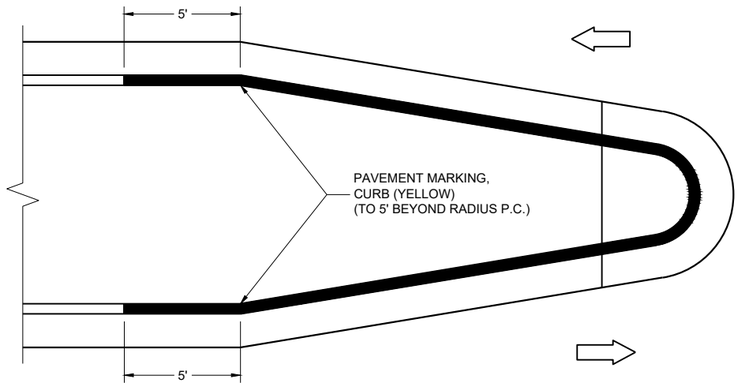
SDD 15C11 - 10b

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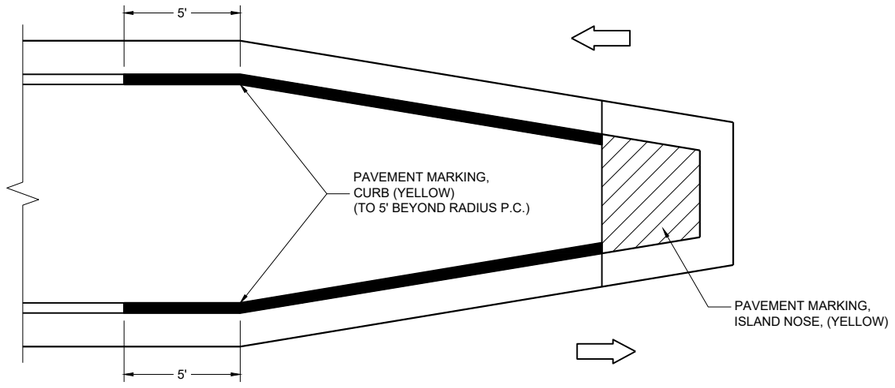
SDD 15C11 - 10b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

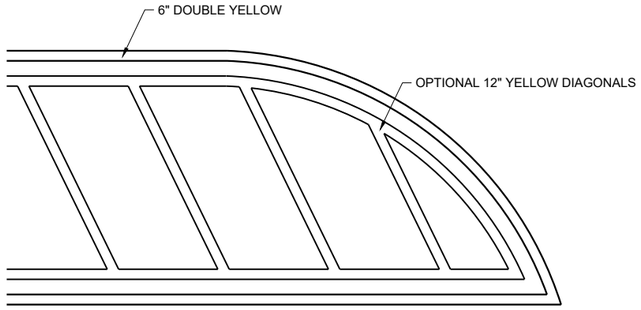
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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SDD 15C18-09b

SDD 15C18-09b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED

GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

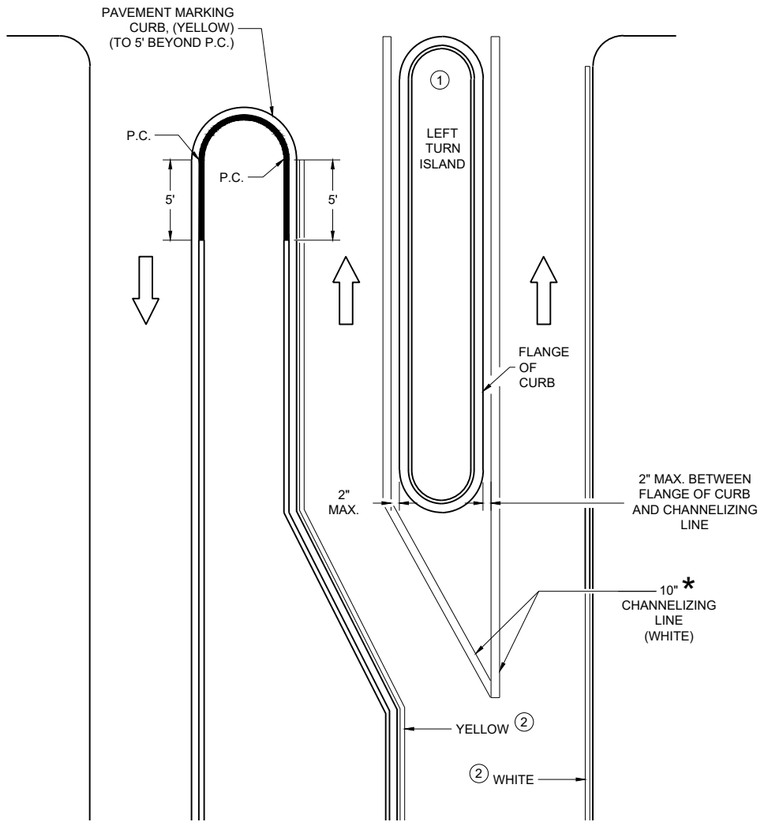
(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

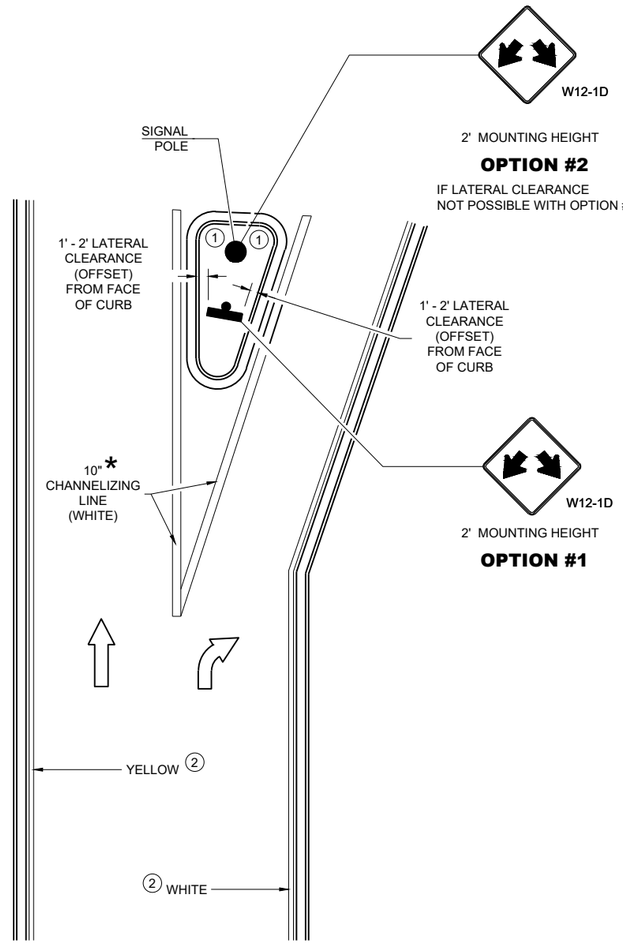
(3) CHEVRON MAY BE OMITTED IF LESS THAN 4" WIDE

DIRECTION OF TRAVEL

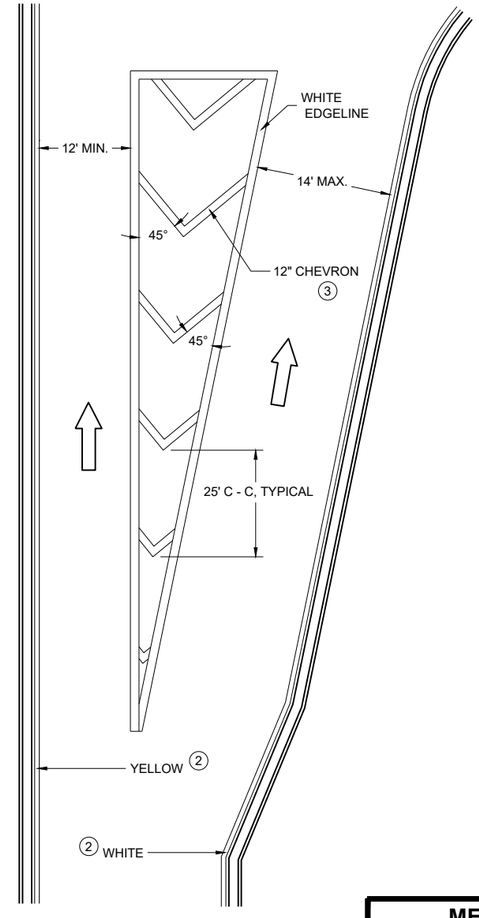
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



TURN LANE DETAIL

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

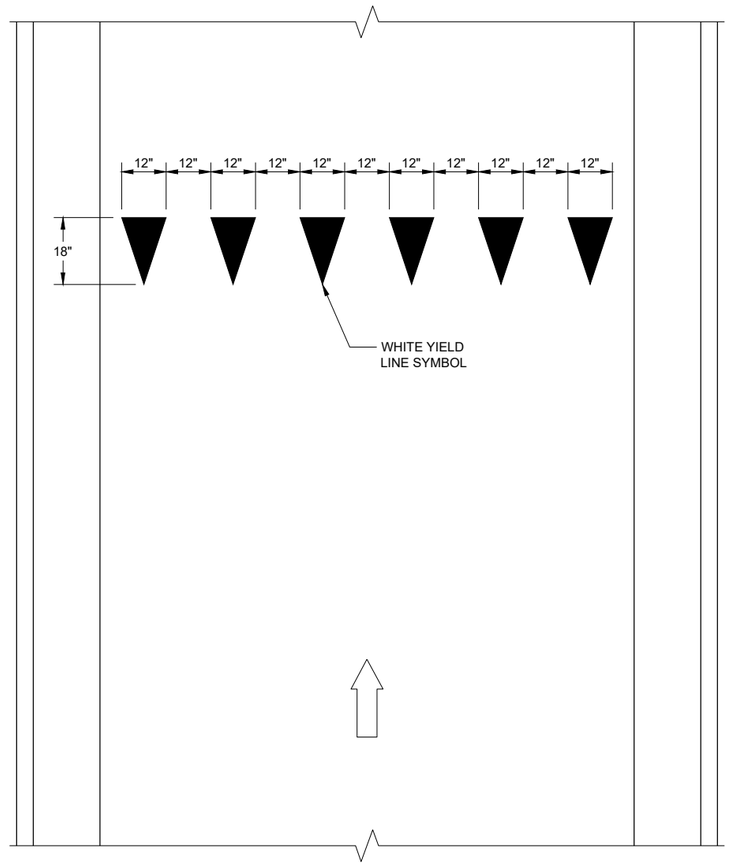
FHWA

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SDD 15C18-09c

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SDD 15C18-09c

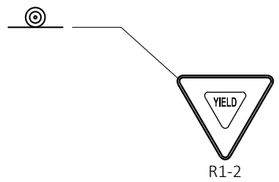


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

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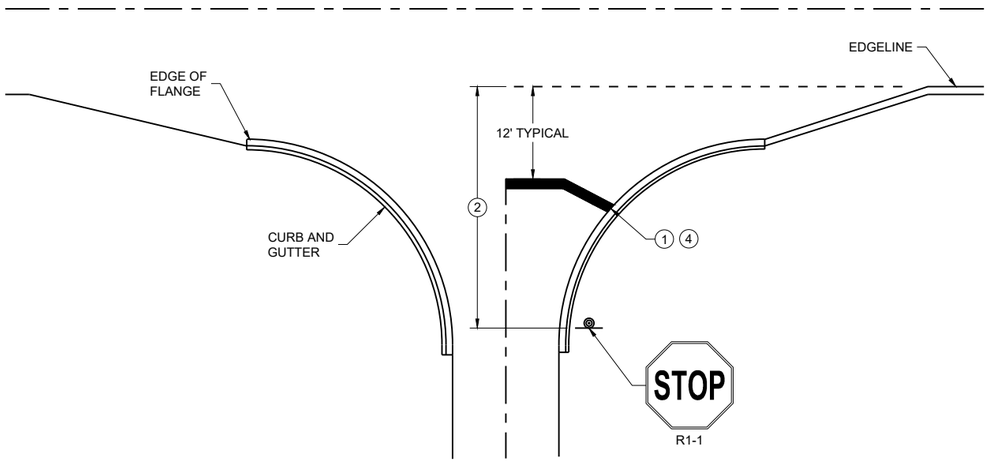
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SDD 15C20 - 02

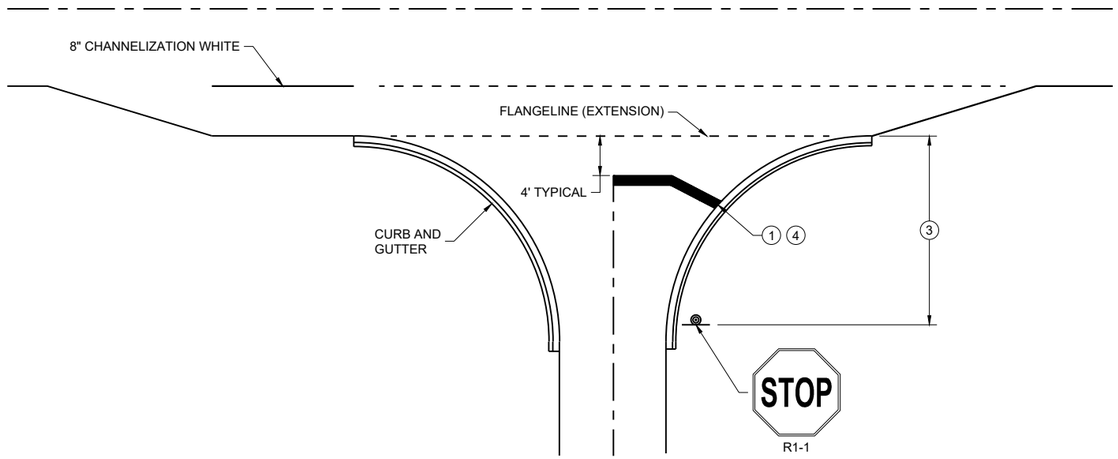
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

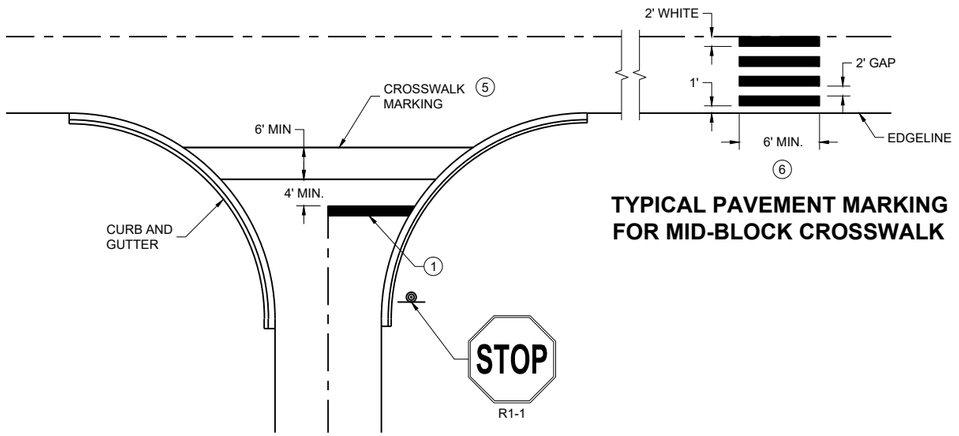
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

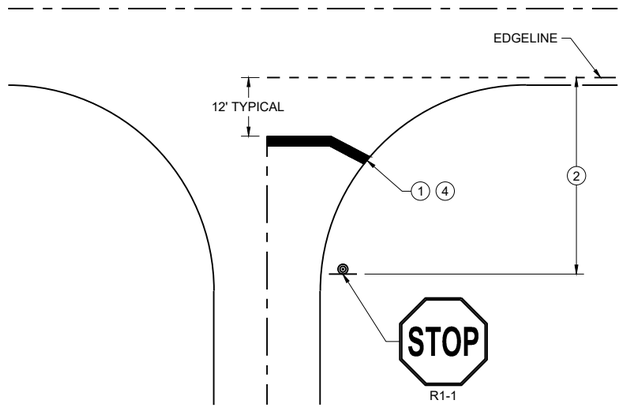


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

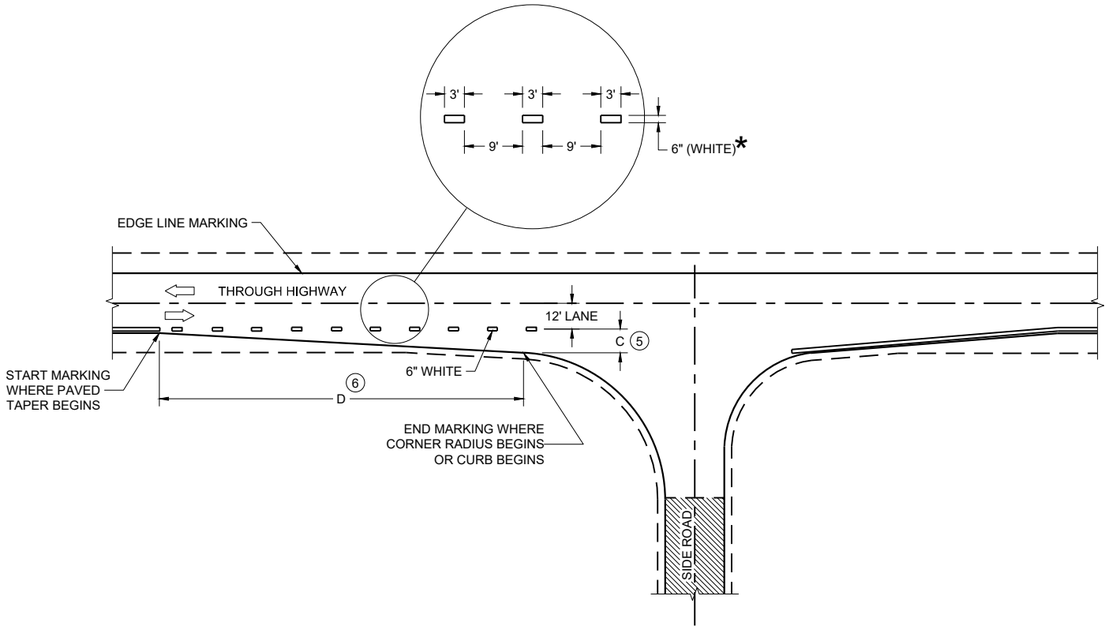
FHWA

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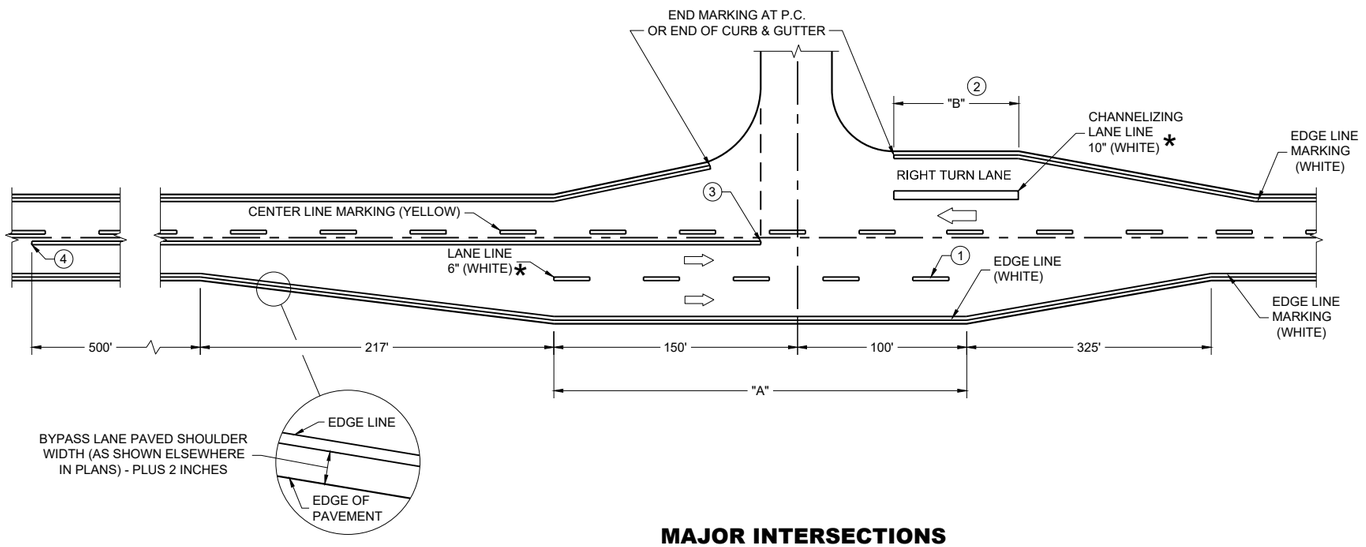
SDD 15C33-05

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SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

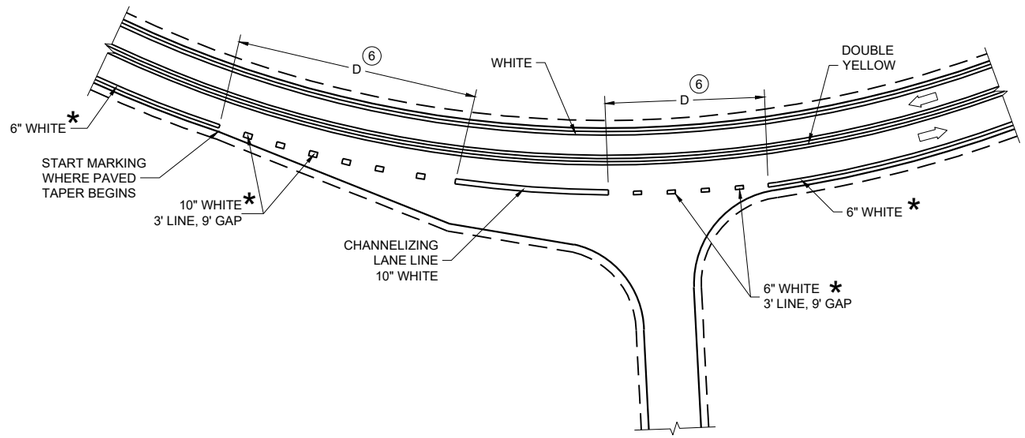
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

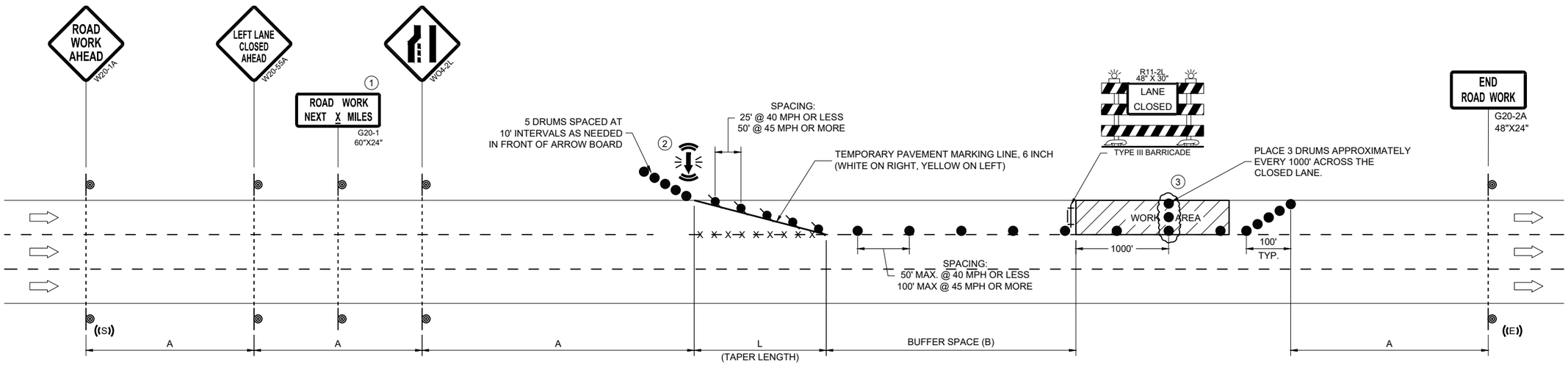
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.

(3) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

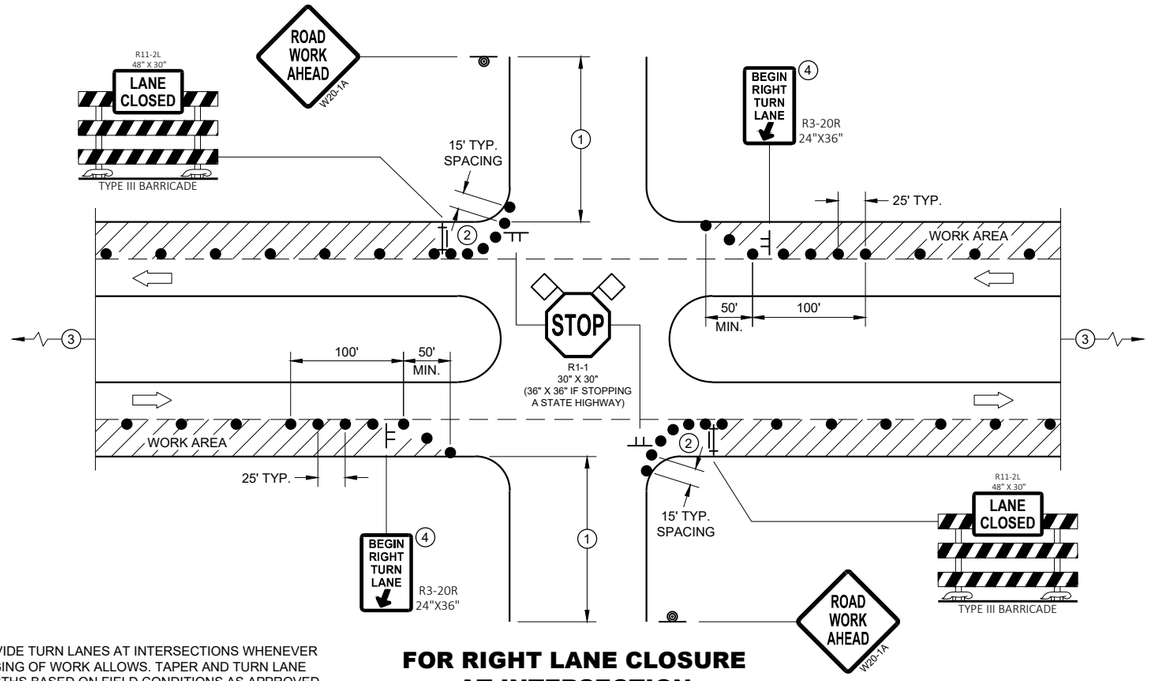
APPROVED
November 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

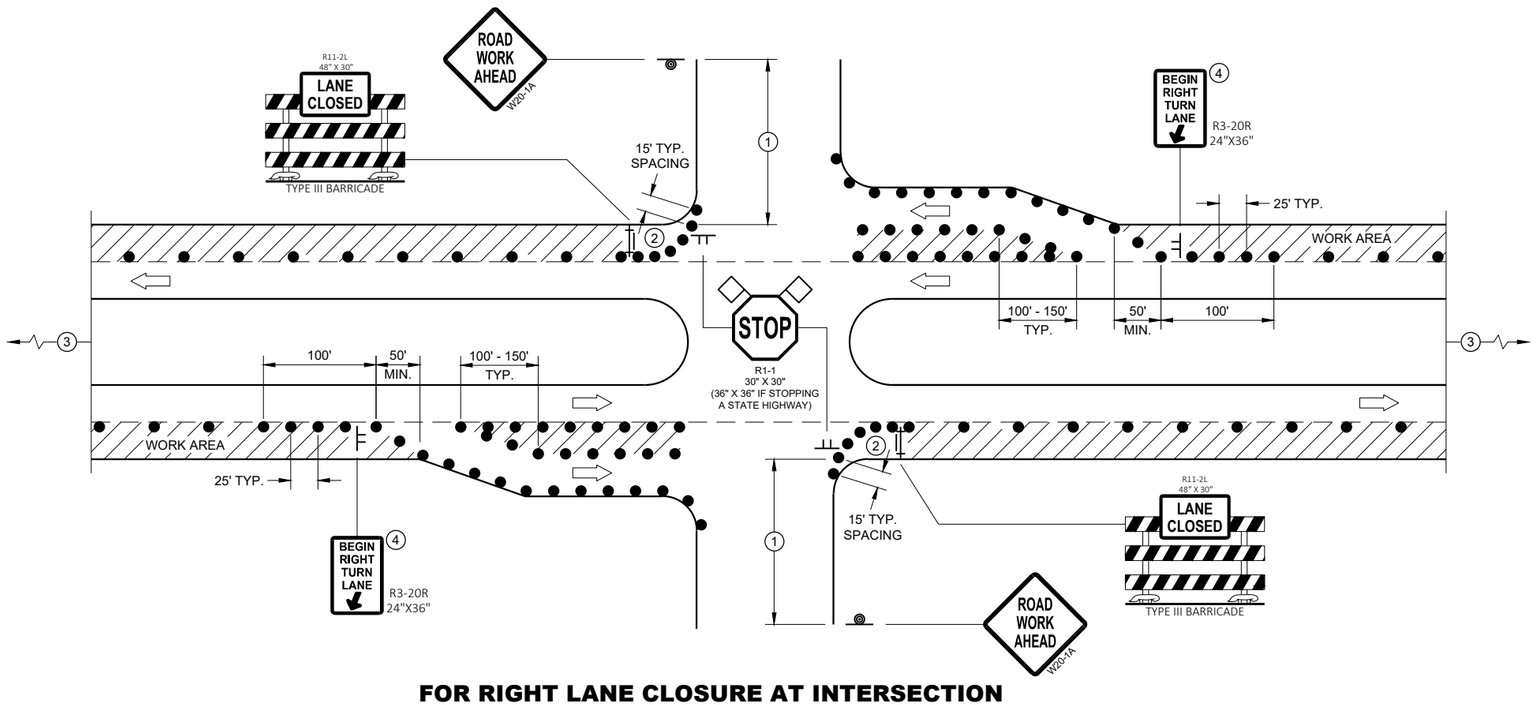
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SDD 15D20-11a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

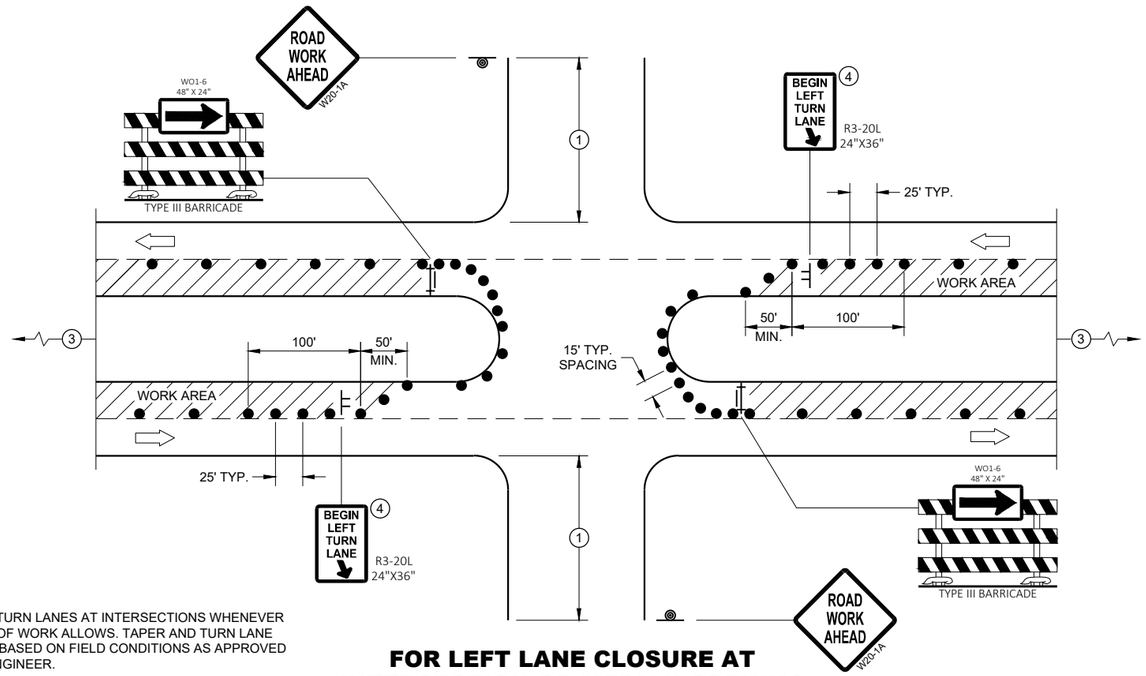
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

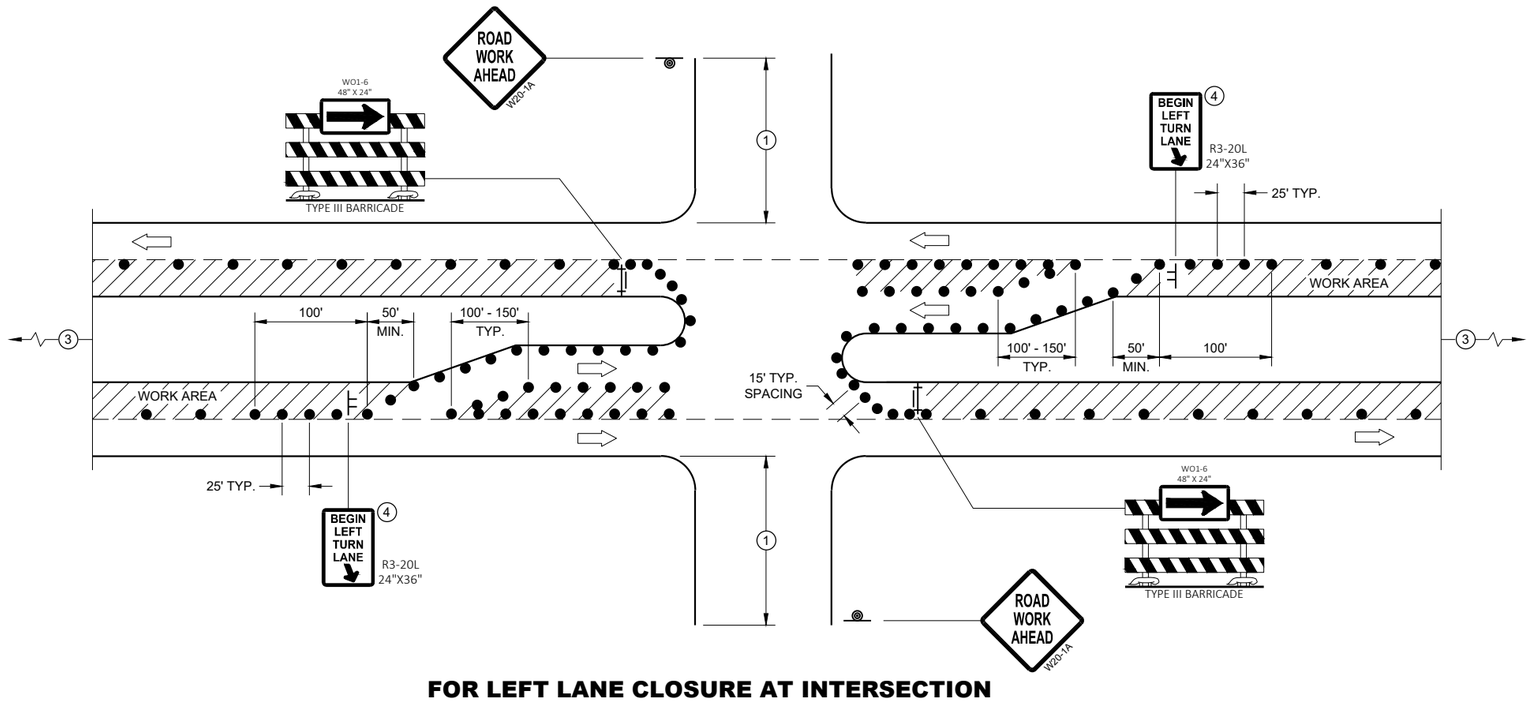
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

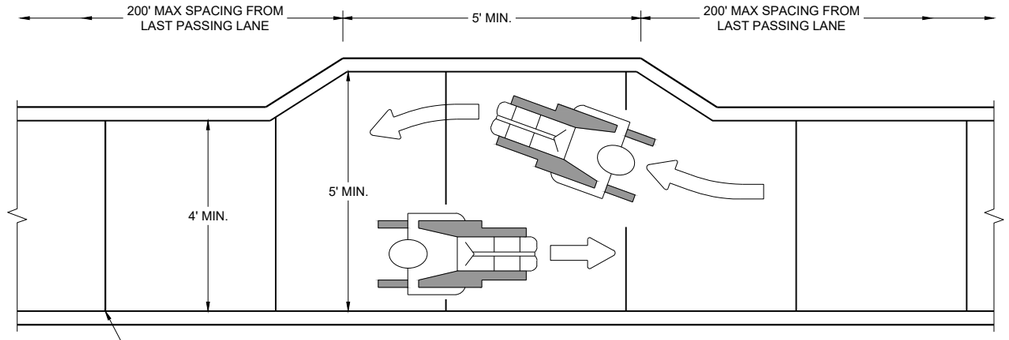
APPROVED
August 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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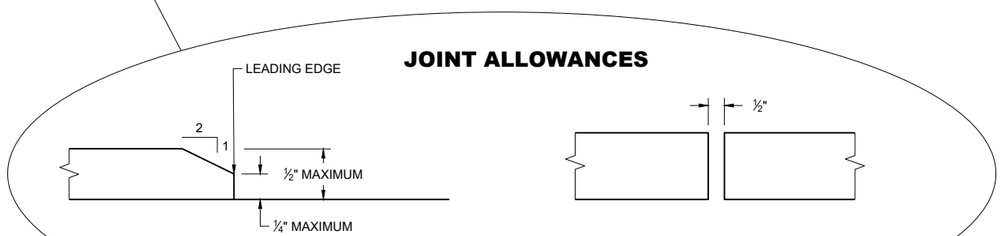
SDD 15D21 - 07b

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SDD 15D21 - 07b



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

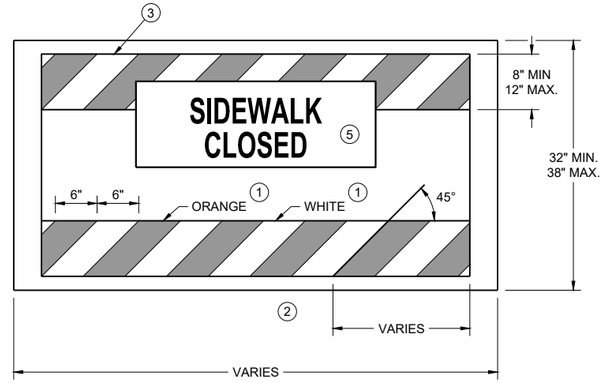
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

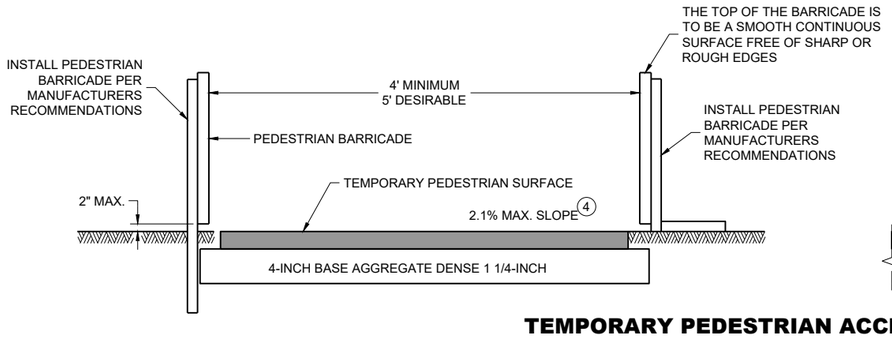
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

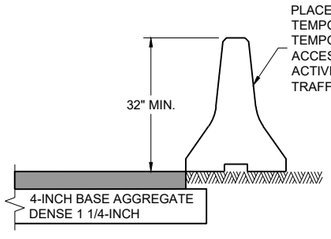
4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.
5. WHERE SIGNS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS ARE SHOWN BEING PLACED BEHIND TEMPORARY PEDESTRIAN BARRICADE, THE SIGNS MAY BE MOUNTED ON THE TEMPORARY PEDESTRIAN BARRICADE INSTEAD. A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE SHALL BE USED IF MOUNTED ON THE BARRICADE. THE TOP OF THE SIGN SHALL BE MOUNTED BELOW THE TOP OF THE BARRICADE TO ALLOW A CONTINUOUS HAND-TRAILING EDGE.

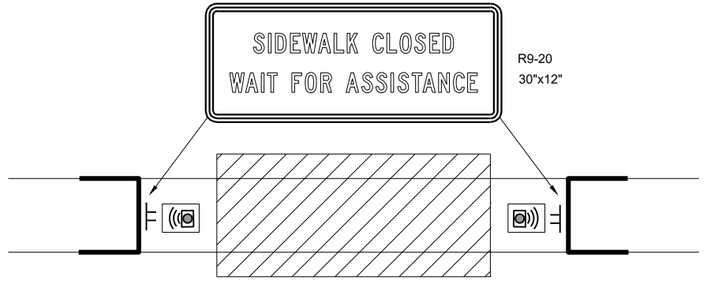


TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS





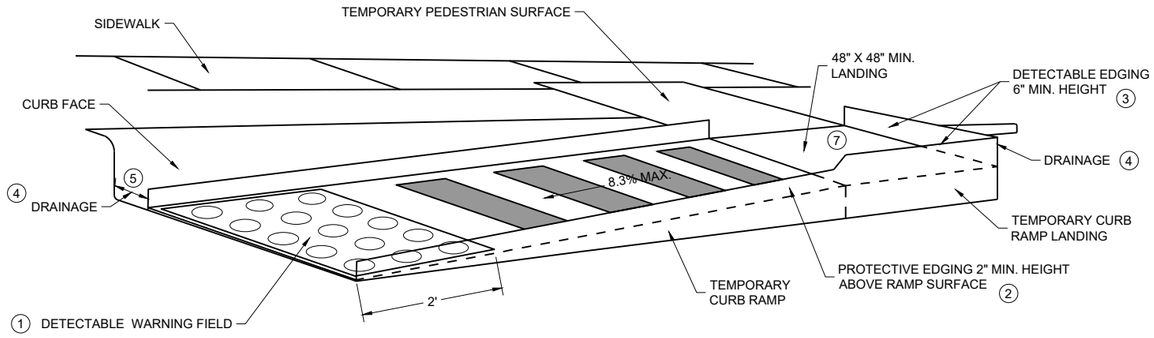
TEMPORARY PEDESTRIAN FLAGGING

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- AUDIBLE MESSAGE DEVICE
- TEMPORARY SIGN SUPPORT
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PERSPECTIVE VIEW

GENERAL NOTES

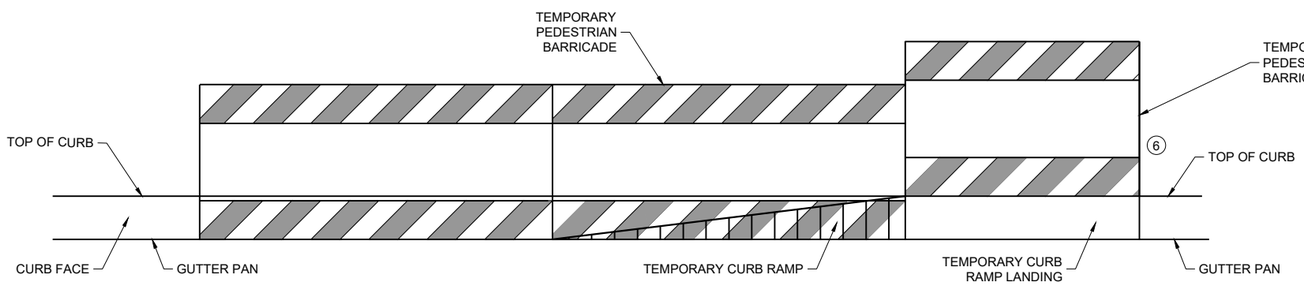
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

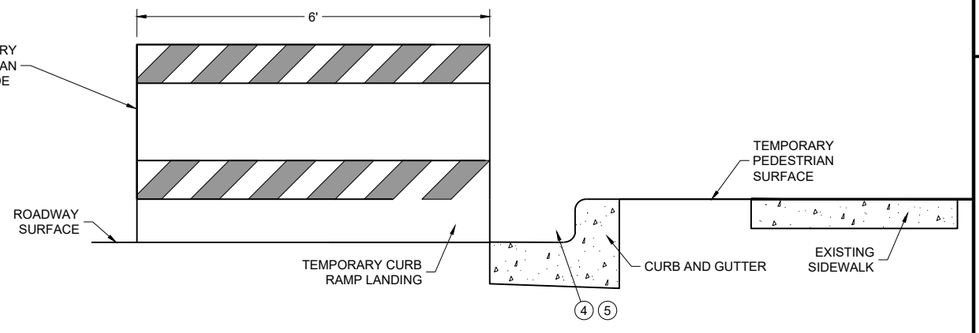
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

6

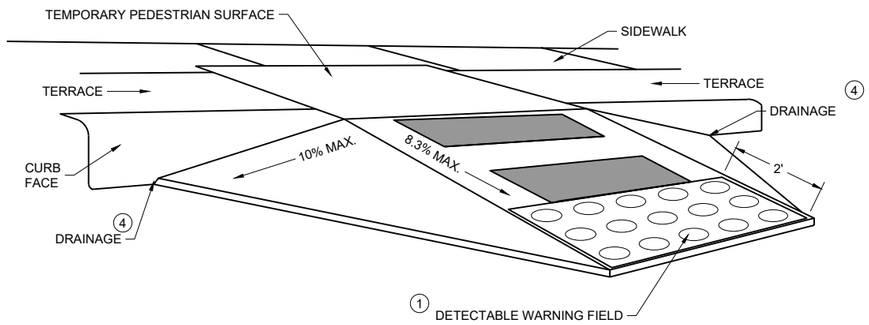
SDD 15D30-12b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

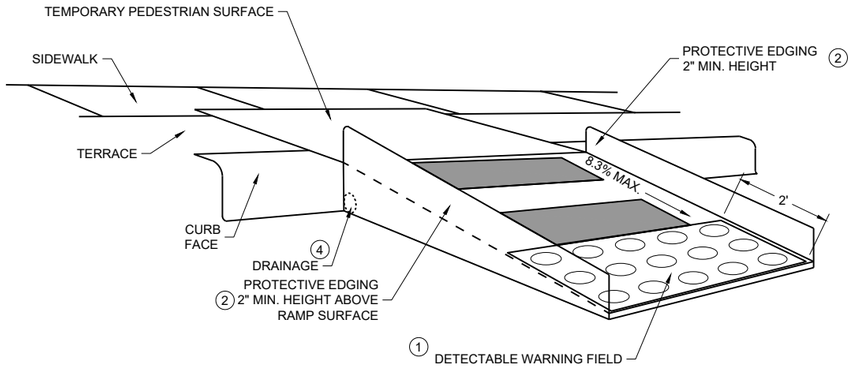
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30-12b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

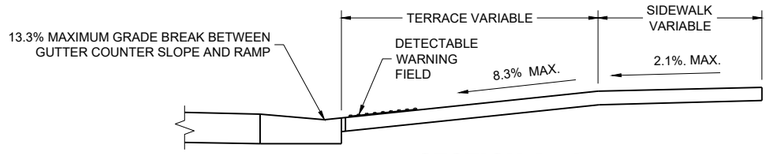
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

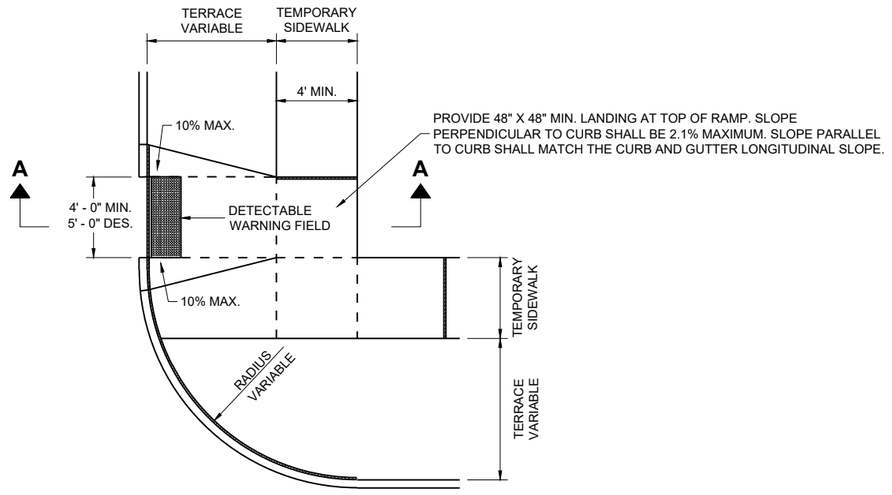
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES



SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

6

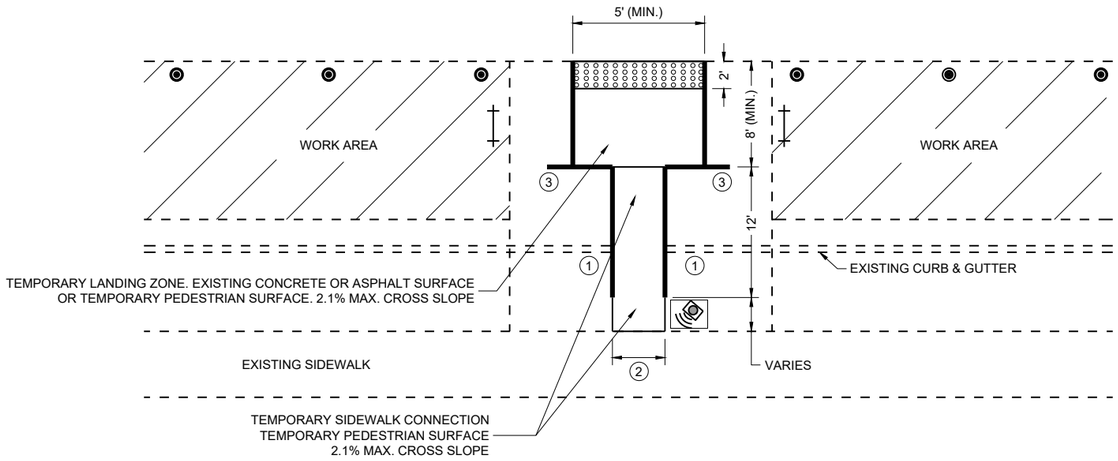
SDD 15D30-12d

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

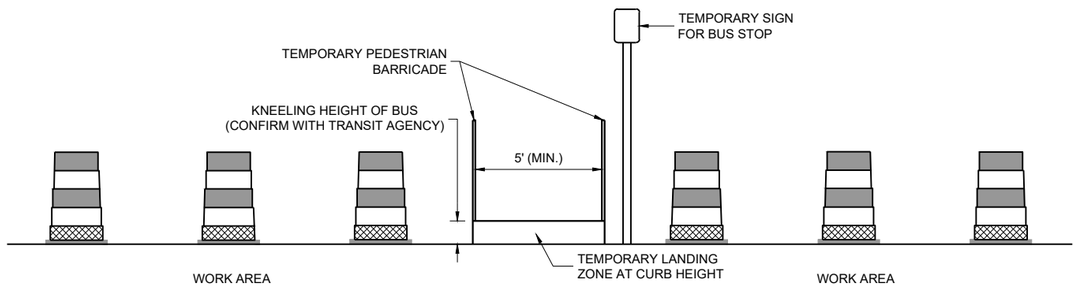
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12d



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

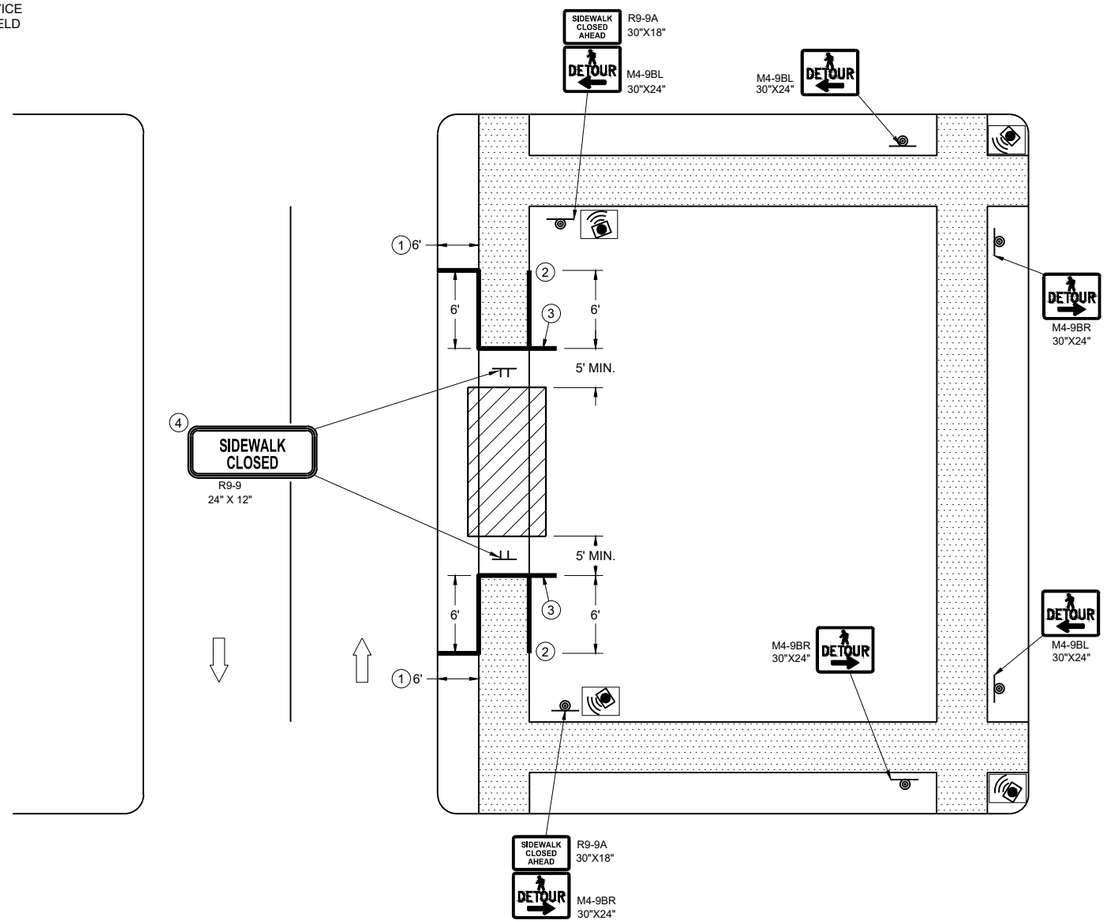
SDD 15D30-12e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

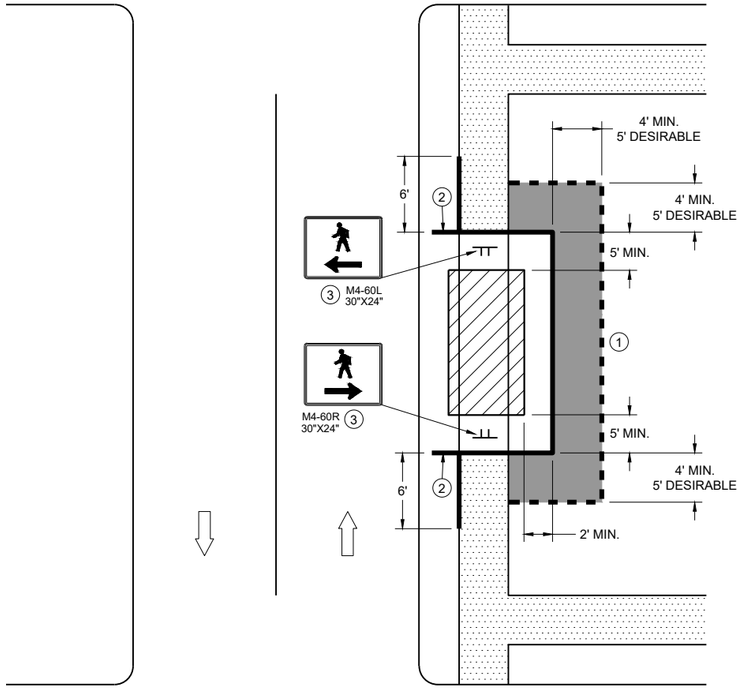
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

(1) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(2) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK BYPASS
SINGLE SIDE

6

SDD 15D30-12g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12g

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

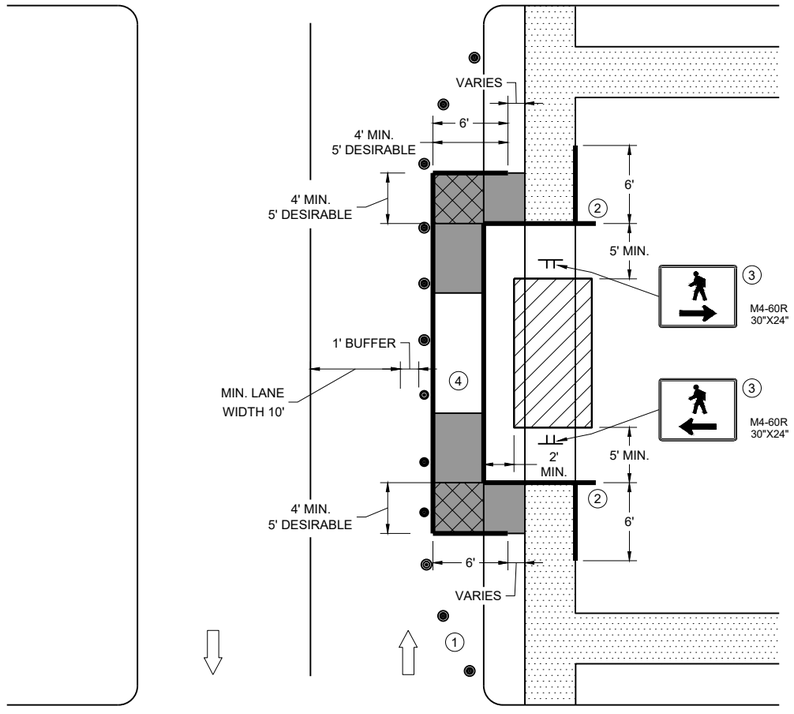
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



SIDEWALK BYPASS, SINGLE SIDE

6

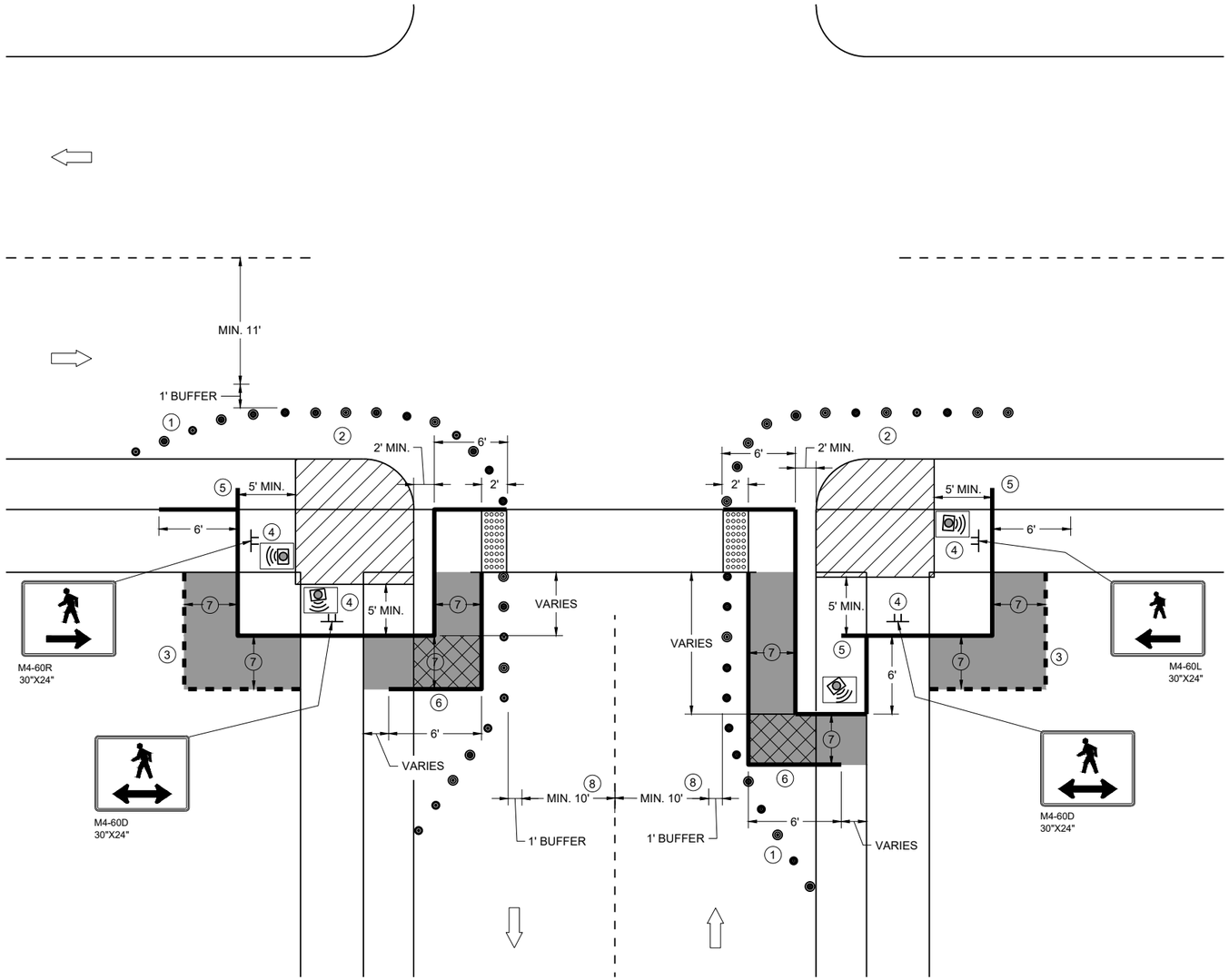
SDD 15D30-12h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

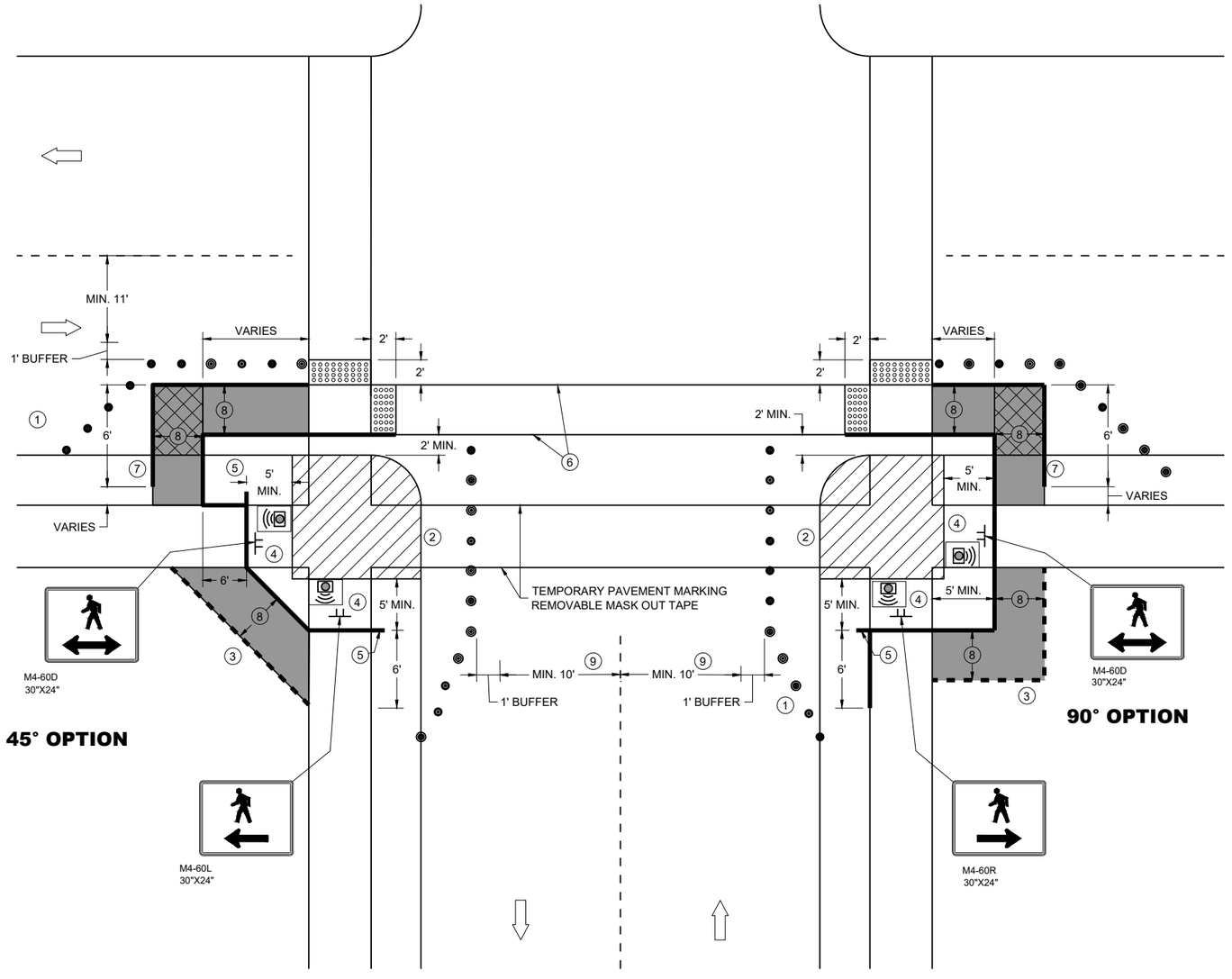
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

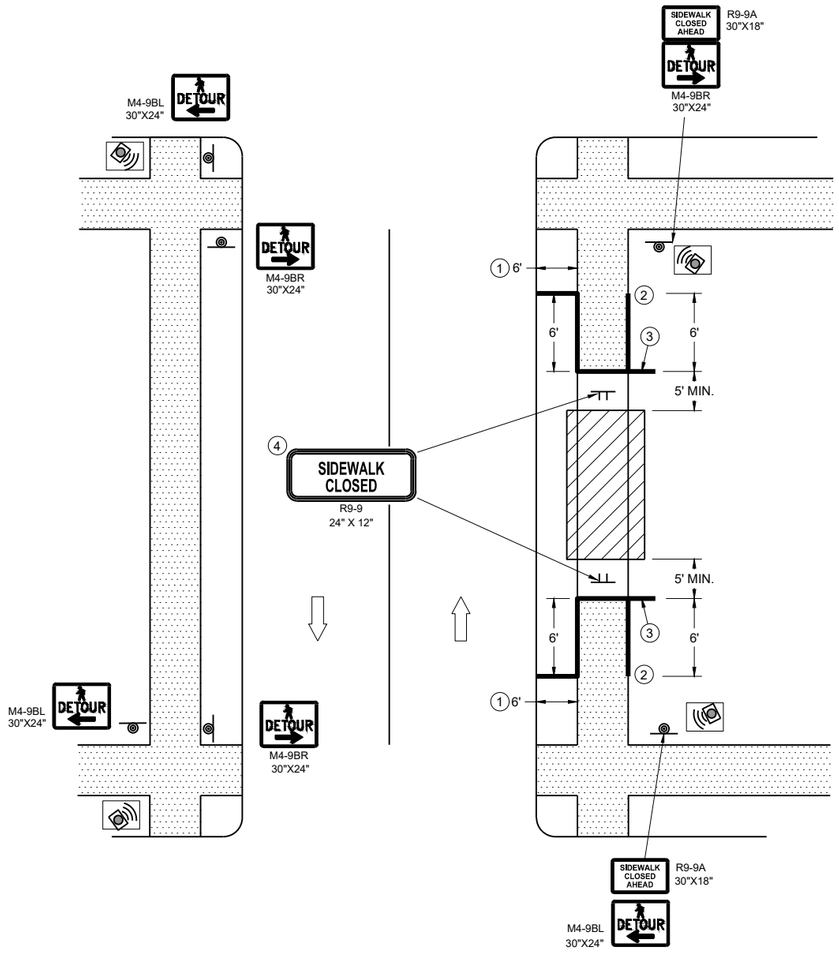
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12j

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

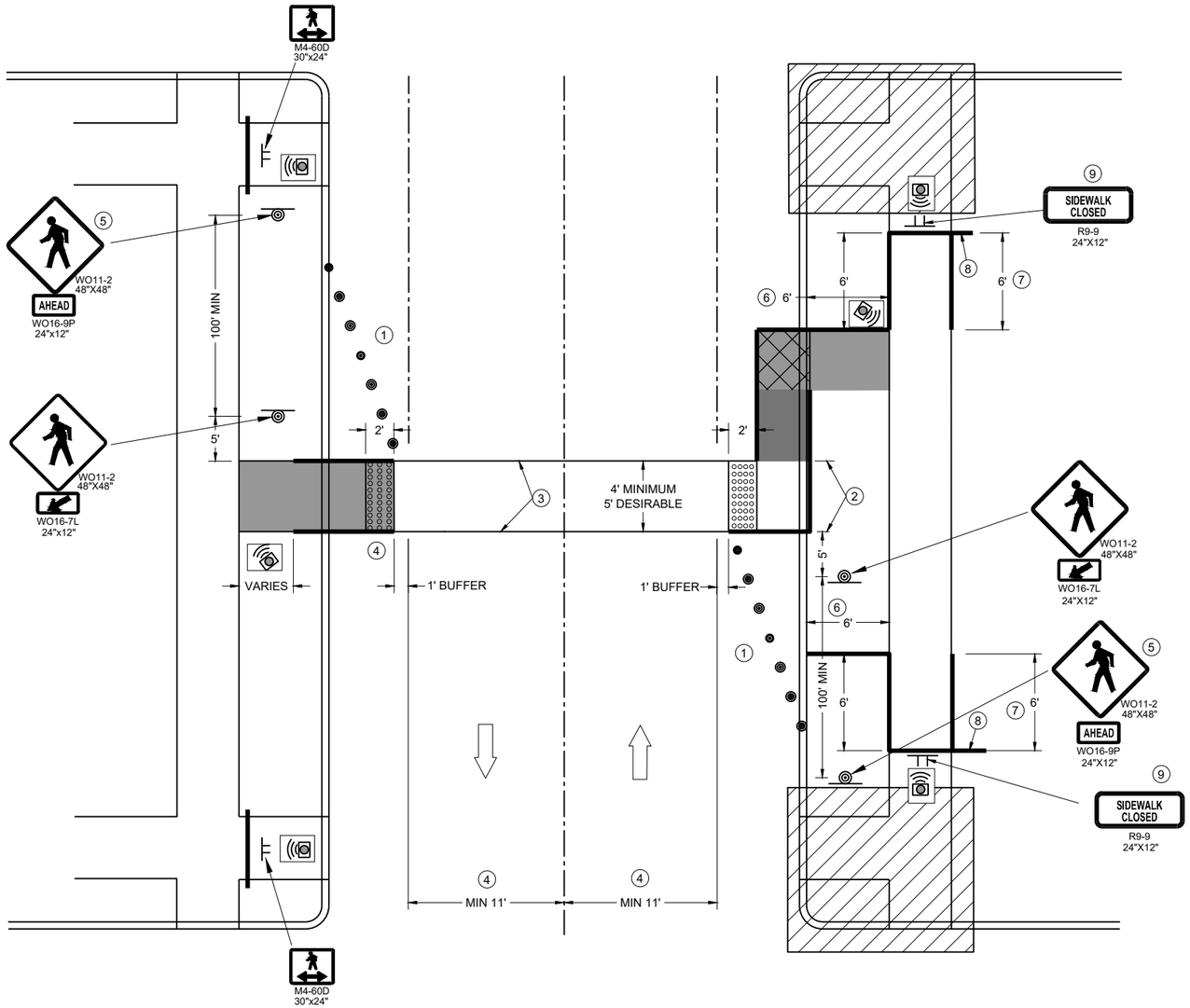
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12k



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

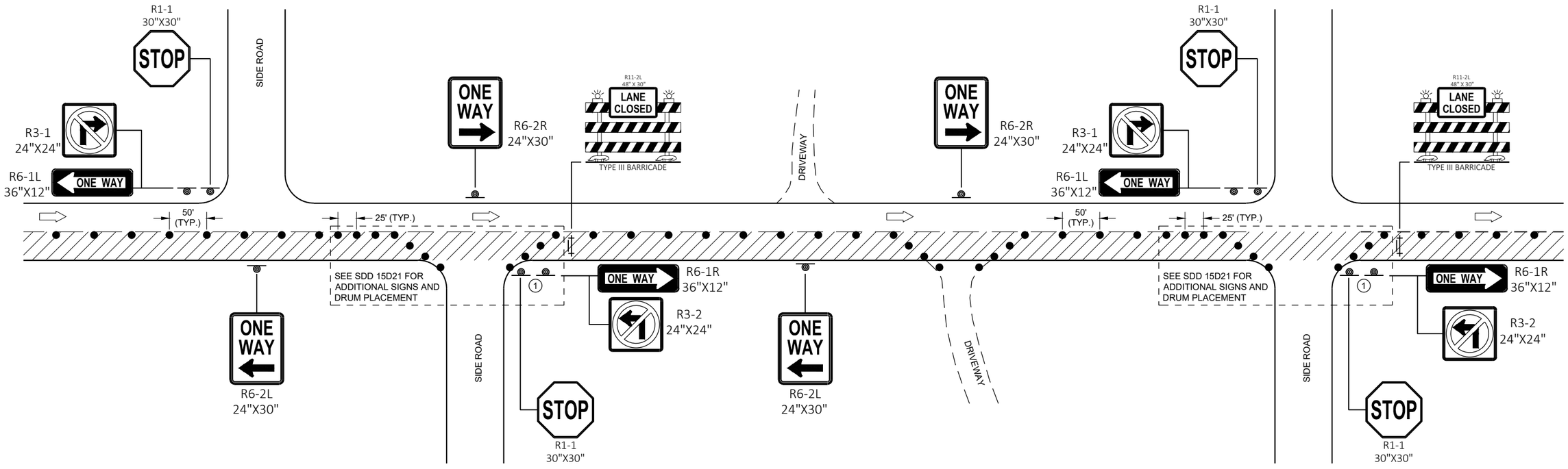
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE 842
FHWA	

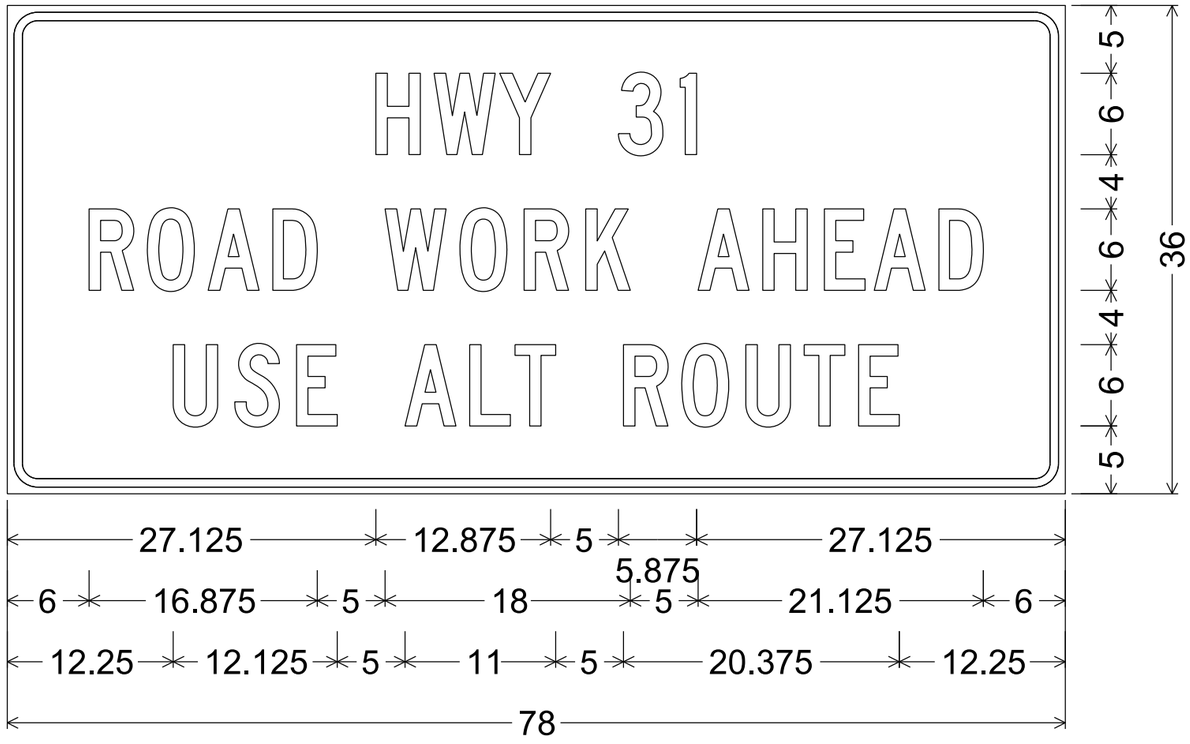
SDD 15D46 - 01

SDD 15D46 - 01

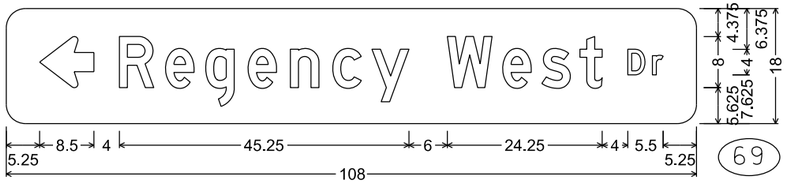
6

NOTES

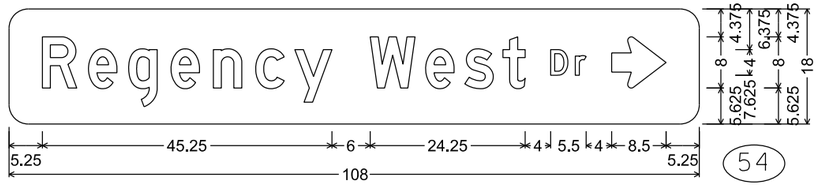
1. Fixed Message Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



2.250" Radius, 0.625" Border, 0.500" Indent



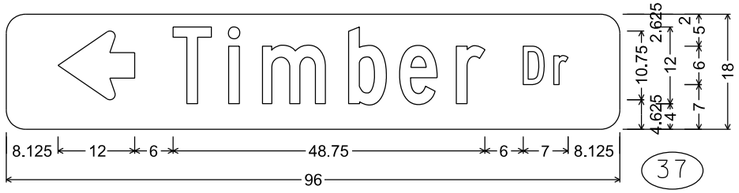
M1-94H; 3.000" Radius, No border,
"Regency", D; "West", D; "Dr", D



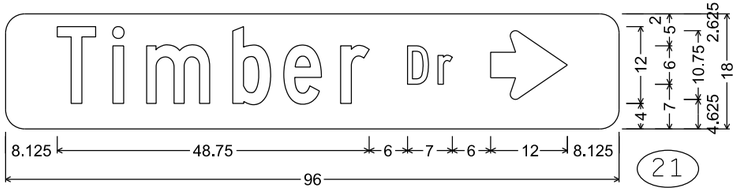
M1-94H; 3.000" Radius, No border,
"Regency", D; "West", D; "Dr", D

NOTES

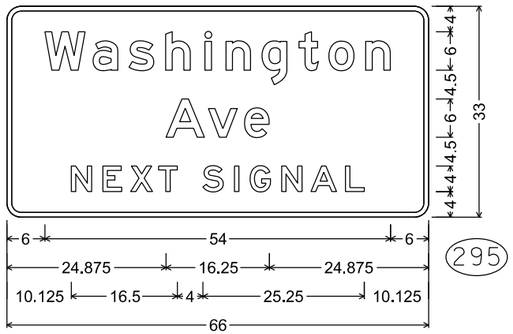
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



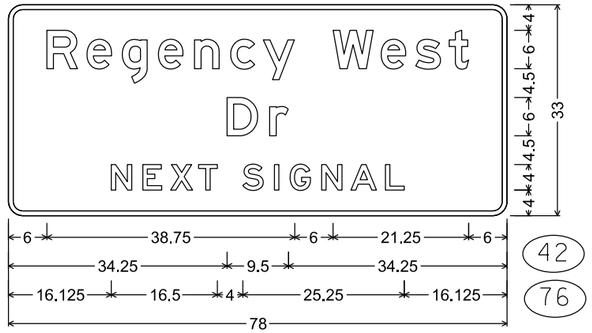
M1-94H; 3.000" Radius, No border,
"Timber", C; "Dr", C



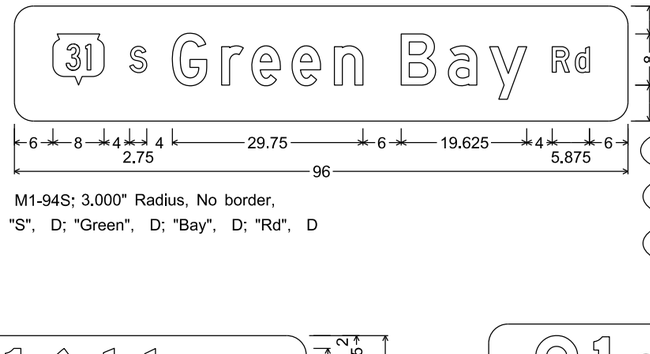
M1-94H; 3.000" Radius, No border,
"Timber", C; "Dr", C



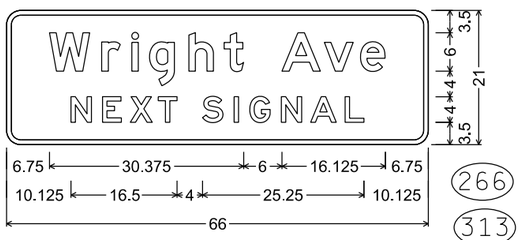
D1-65; 2.250" Radius, 0.750" Border



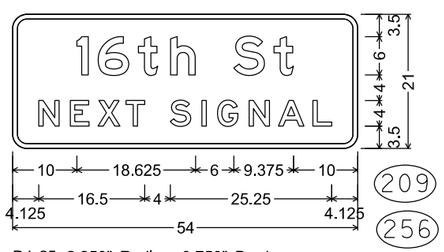
D1-65; 2.250" Radius, 0.750" Border



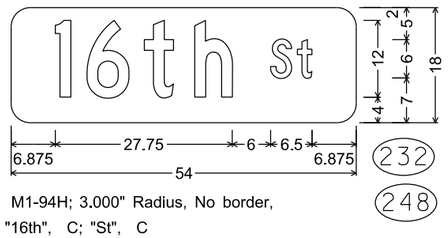
M1-94S; 3.000" Radius, No border,
"S", D; "Green", D; "Bay", D; "Rd", D



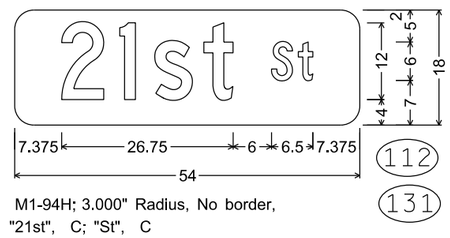
D1-65; 2.250" Radius, 0.750" Border



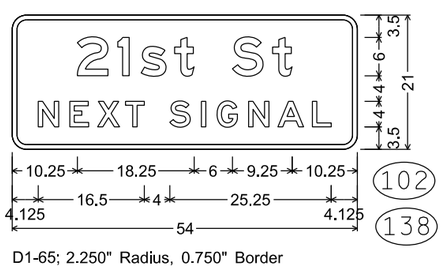
D1-65; 2.250" Radius, 0.750" Border



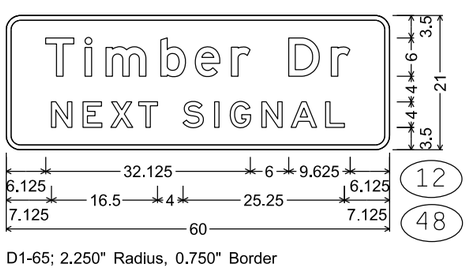
M1-94H; 3.000" Radius, No border,
"16th", C; "St", C



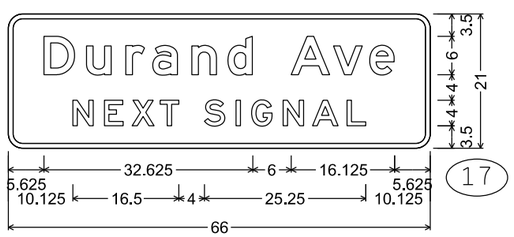
M1-94H; 3.000" Radius, No border,
"21st", C; "St", C



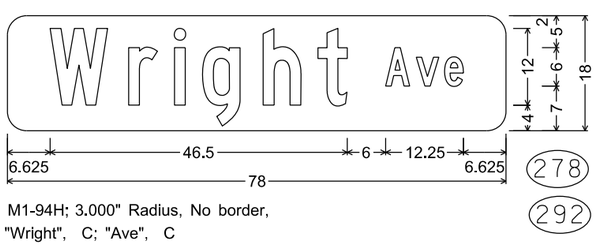
D1-65; 2.250" Radius, 0.750" Border



D1-65; 2.250" Radius, 0.750" Border



D1-65; 2.250" Radius, 0.750" Border



M1-94H; 3.000" Radius, No border,
"Wright", C; "Ave", C

7

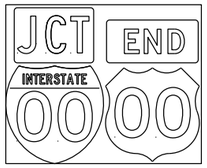
7

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	PERMANENT SIGNING	SHEET NO: 844	E

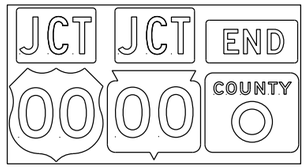
TYPICAL ASSEMBLIES



J1-1



J1-2



J1-3



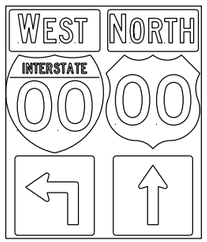
JR1-1



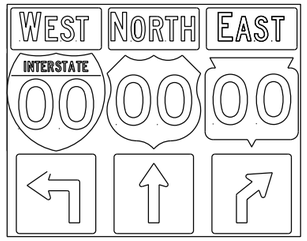
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



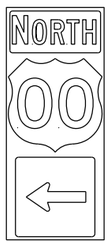
J2-1



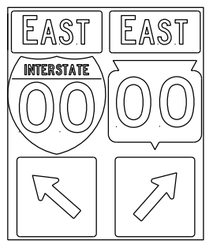
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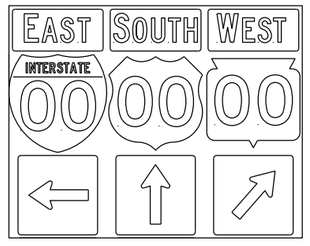
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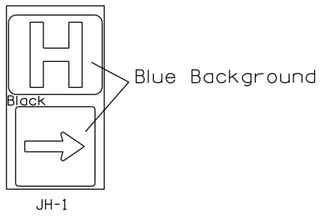
J3-1



J3-2



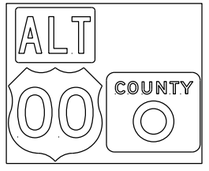
J3-3



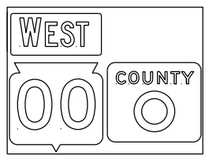
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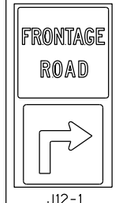
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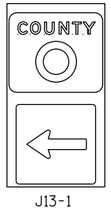
J4-2



J4-2



J12-1



J13-1



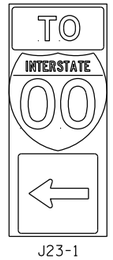
J32-1



J33-1



J22-1



J23-1



JR13-1



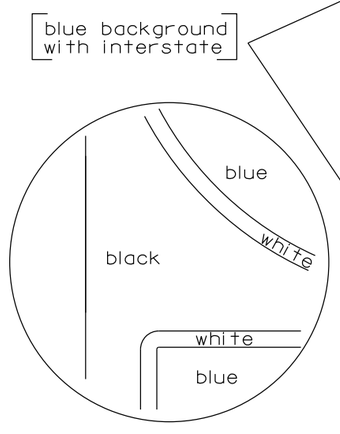
JR23-1

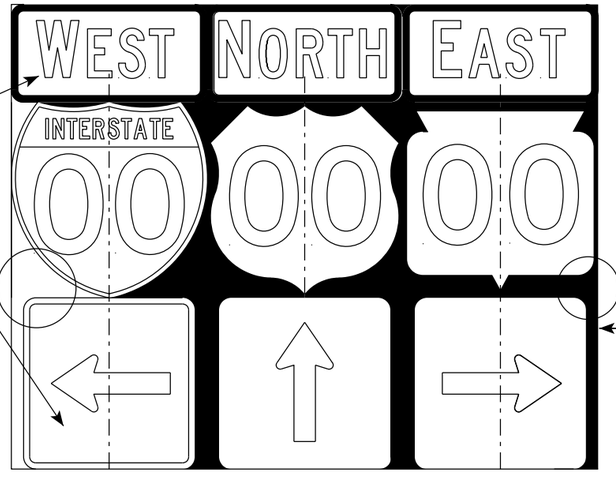


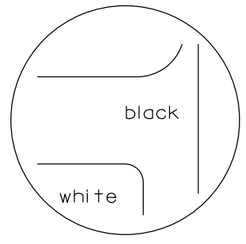
JR99-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.







black background

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

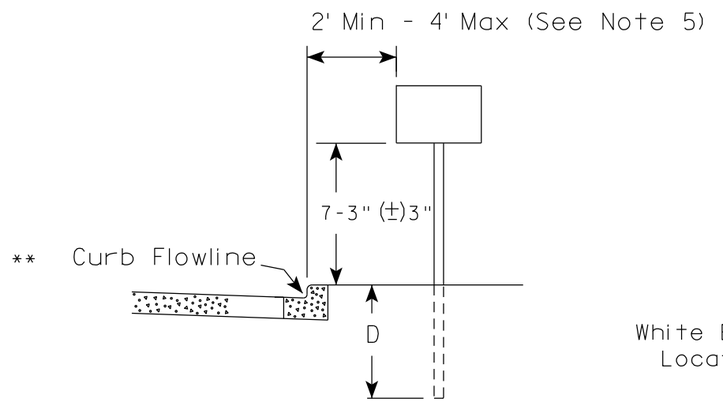
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

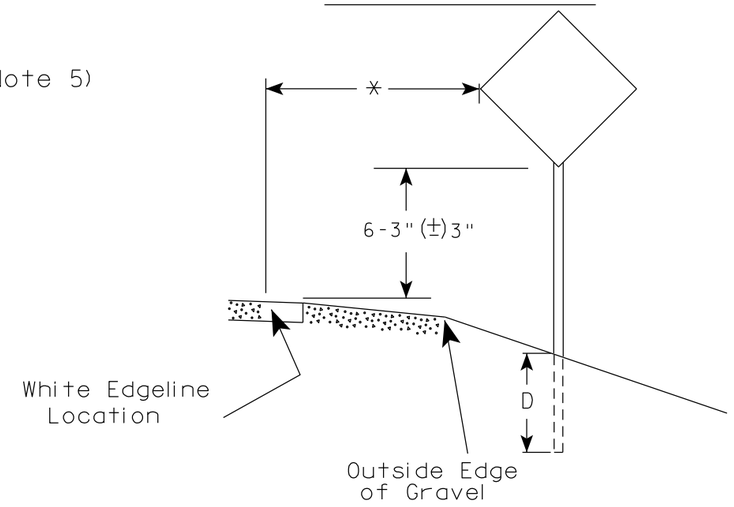
PROJECT NO:

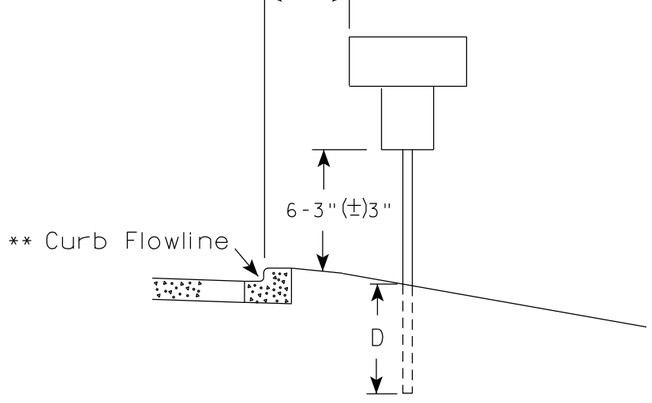
SHEET NO: 845 E

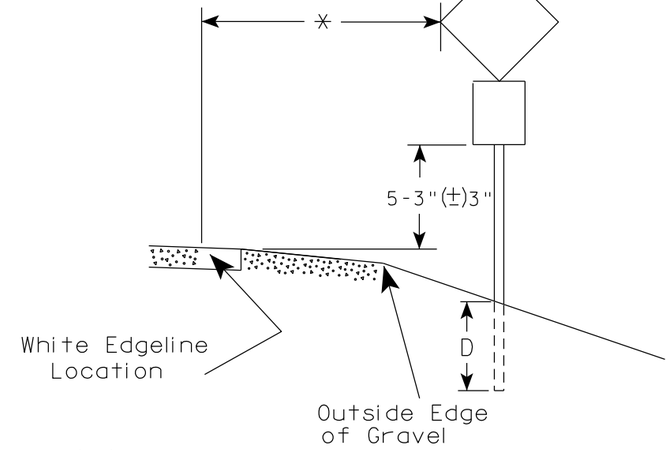
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

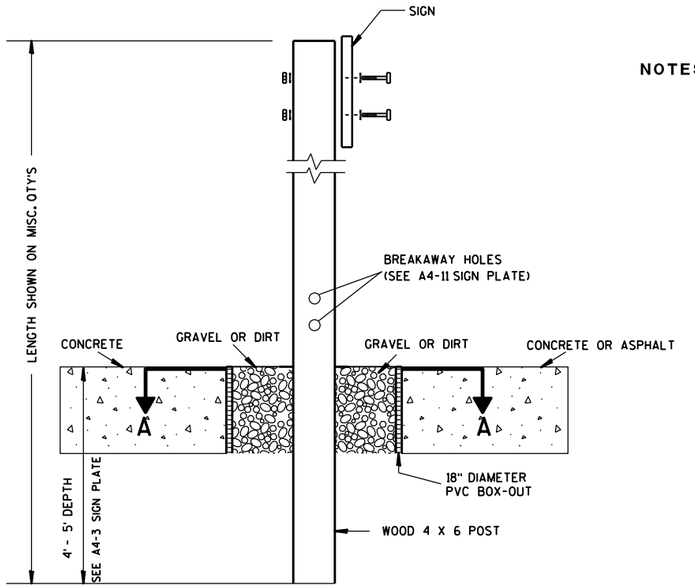
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

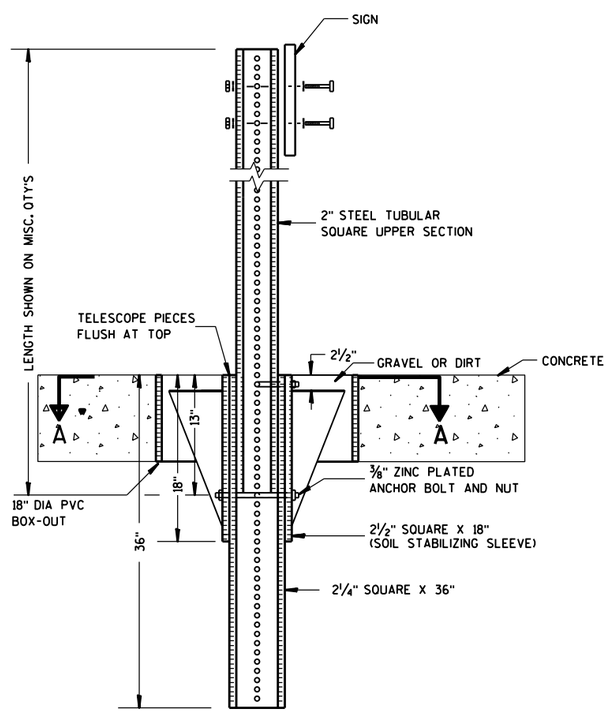
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 846	E



ELEVATION VIEW

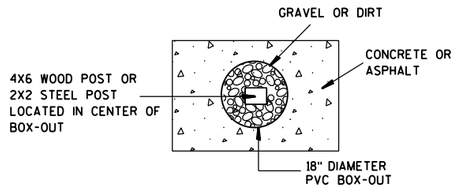
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

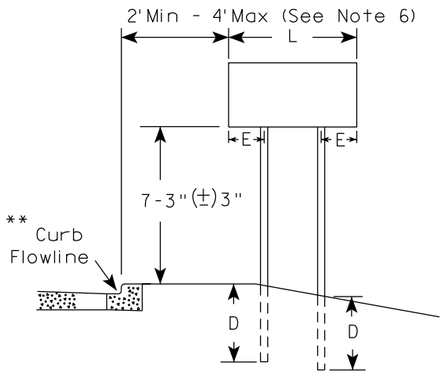
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

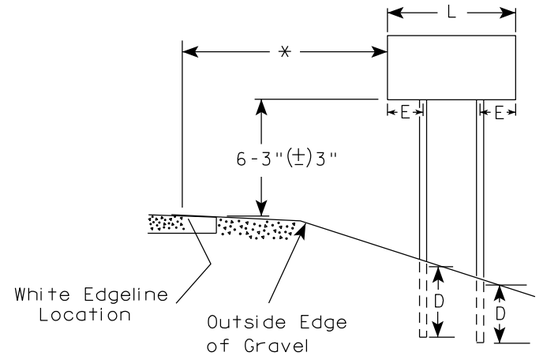
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

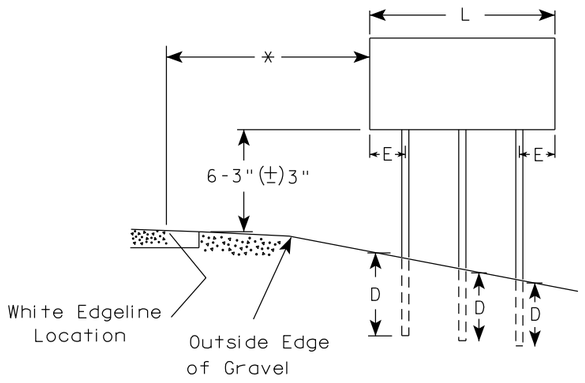
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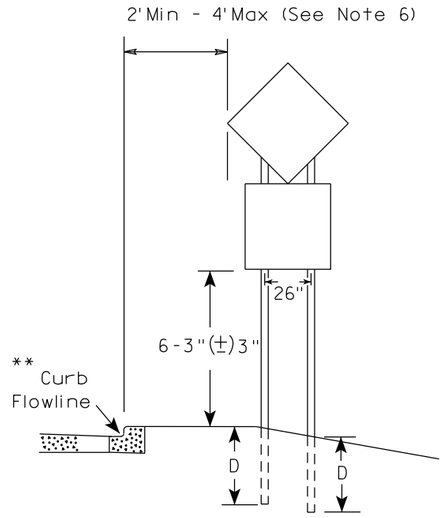
URBAN AREA



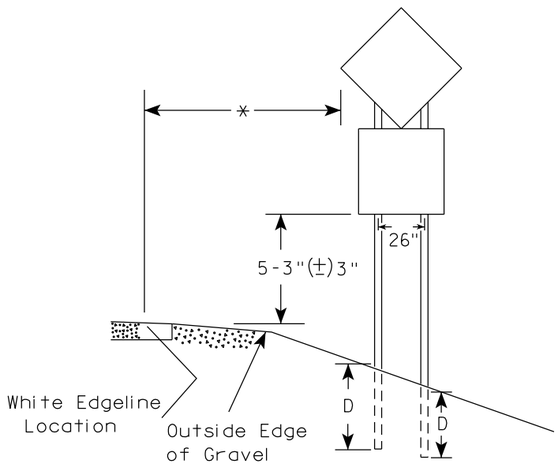
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

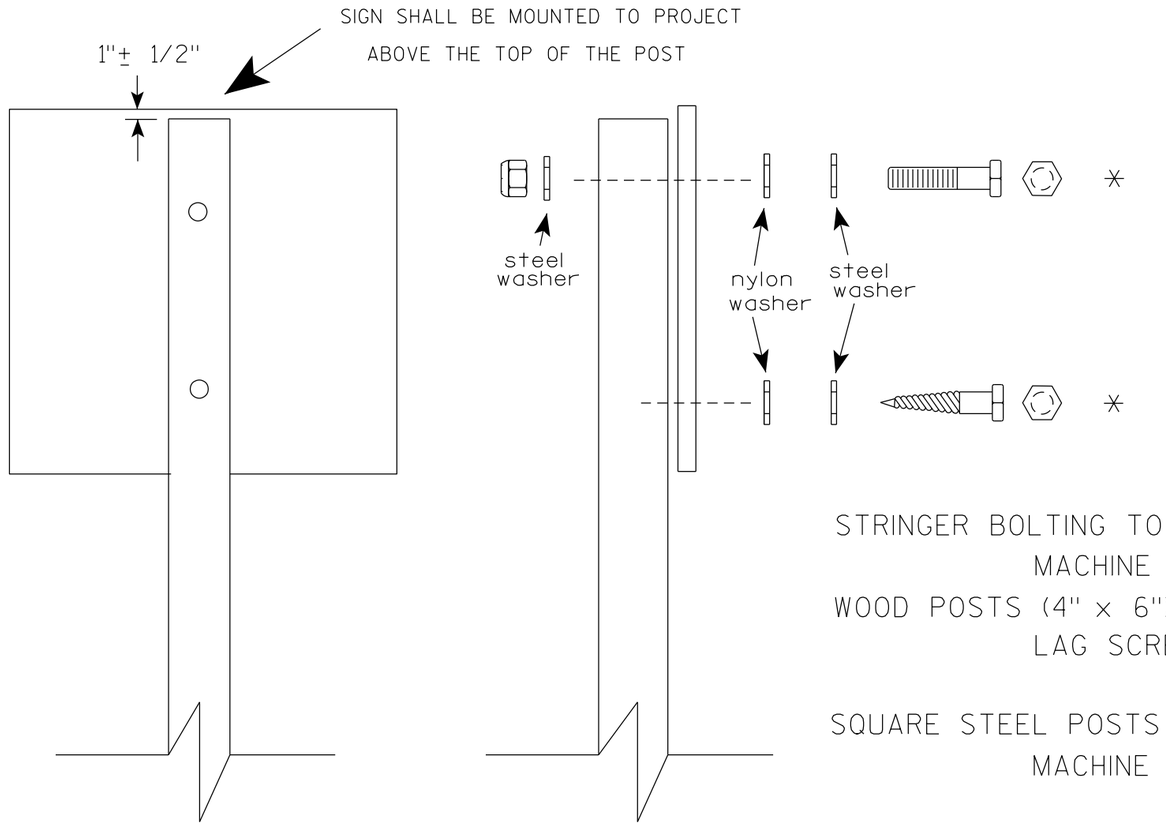
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 848	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

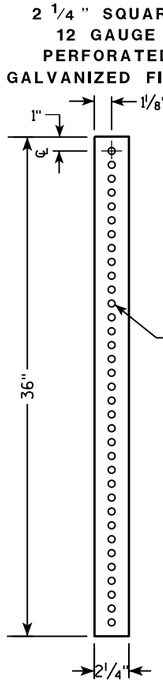
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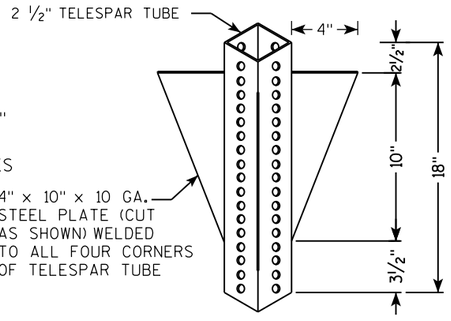
WISDOT/CADDS SHEET 42

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

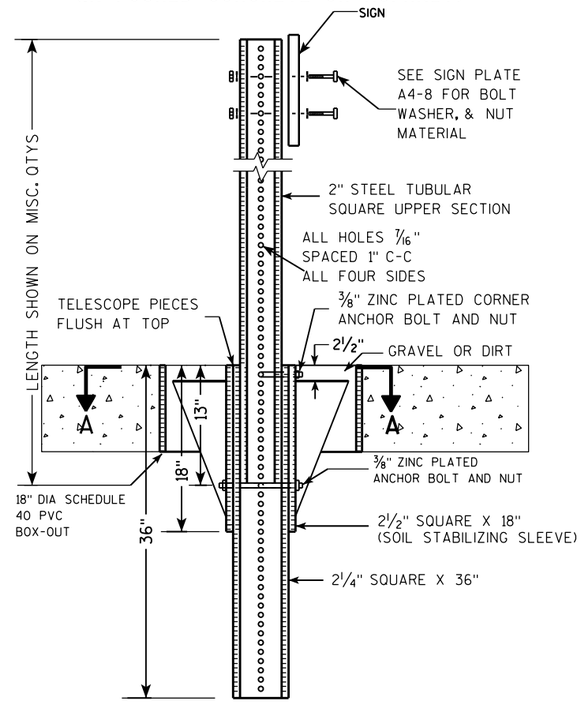
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



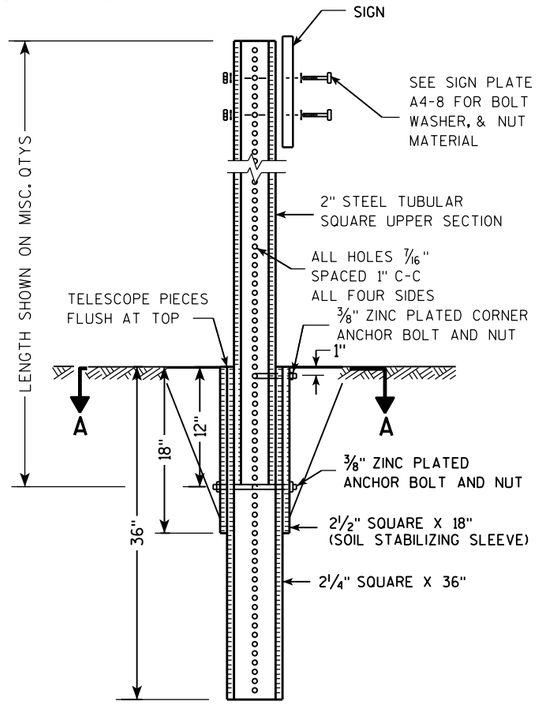
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

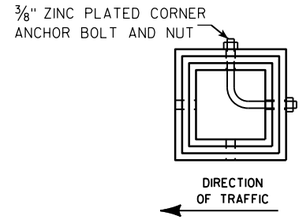


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

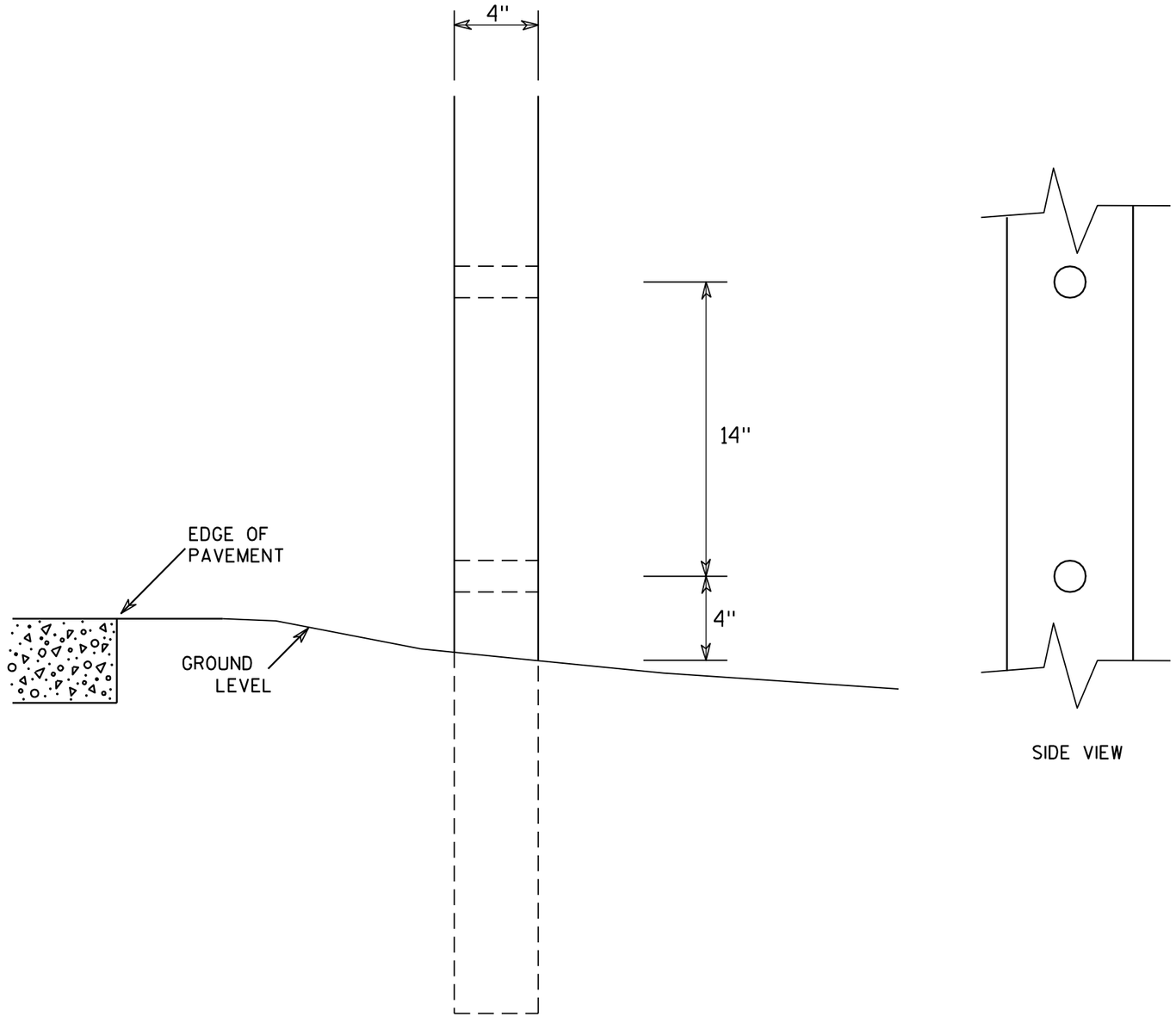
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 850 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

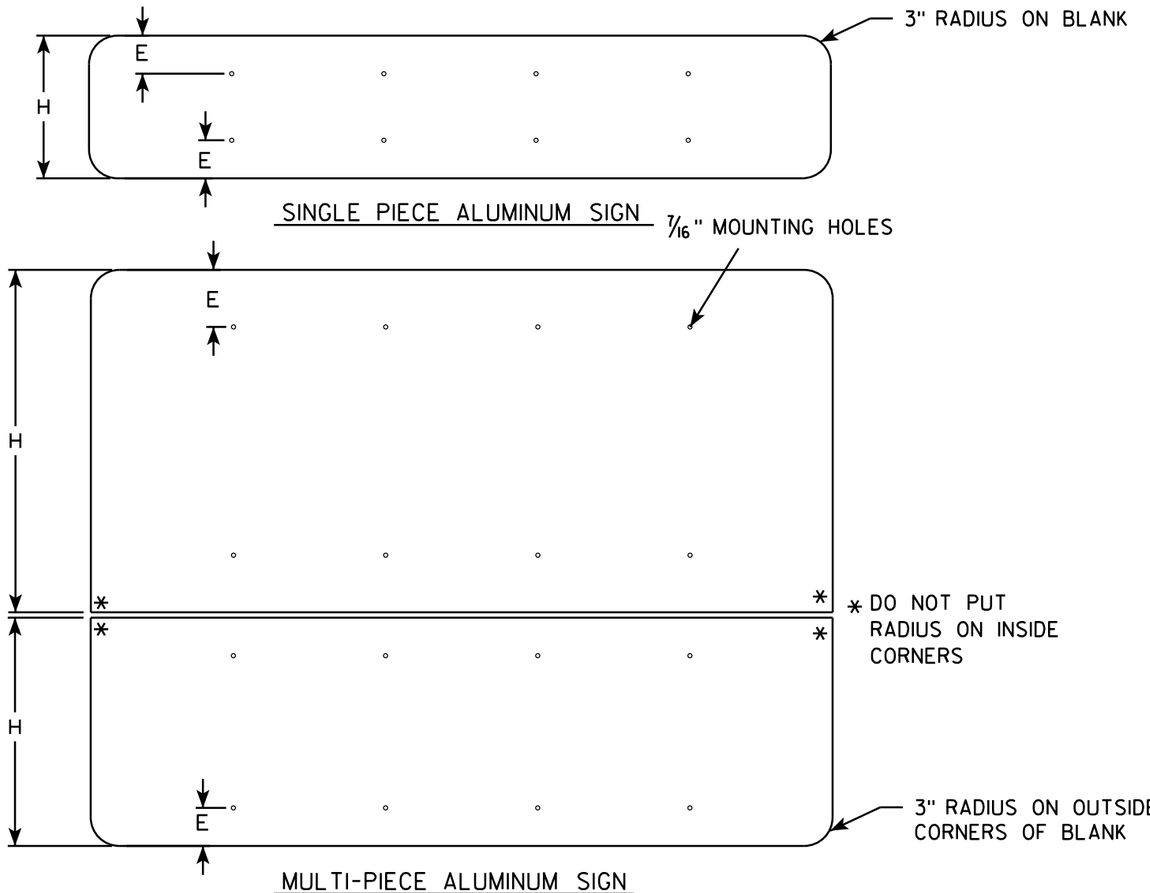
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

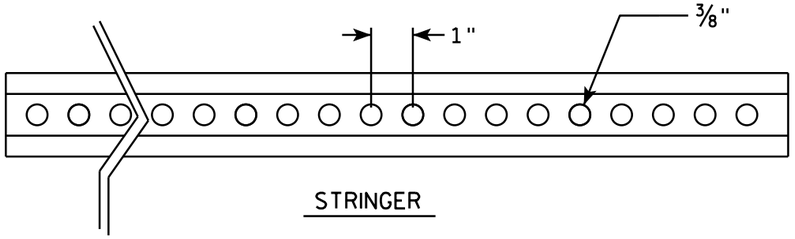
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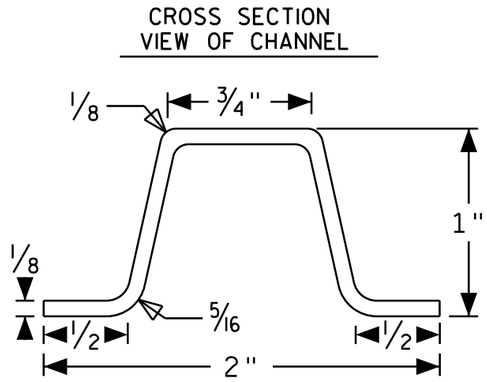


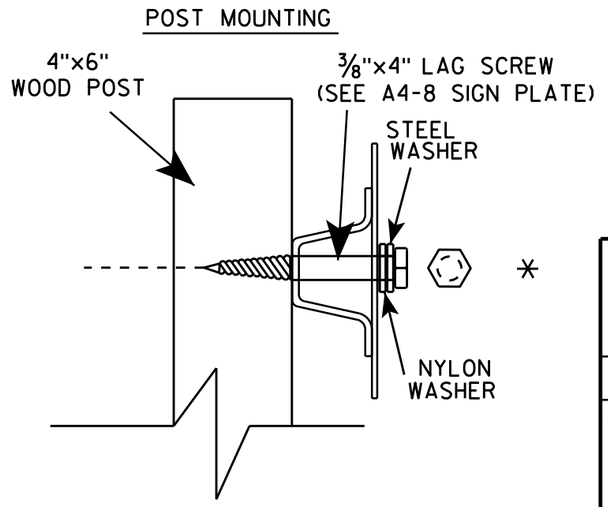
GENERAL NOTES

- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"







SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

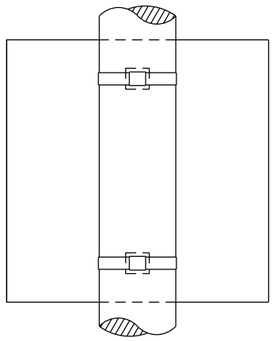
DATE 4/26/16 PLATE NO A4-18.1

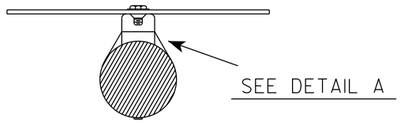
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

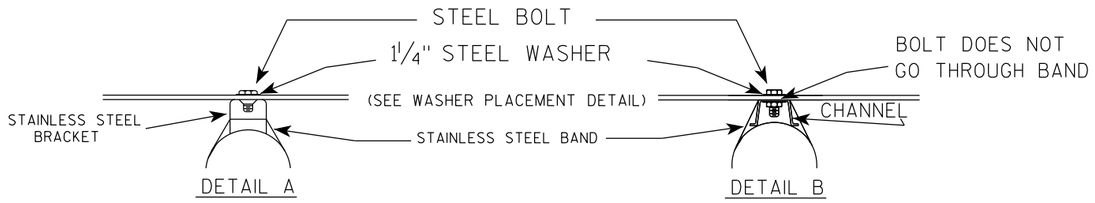
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

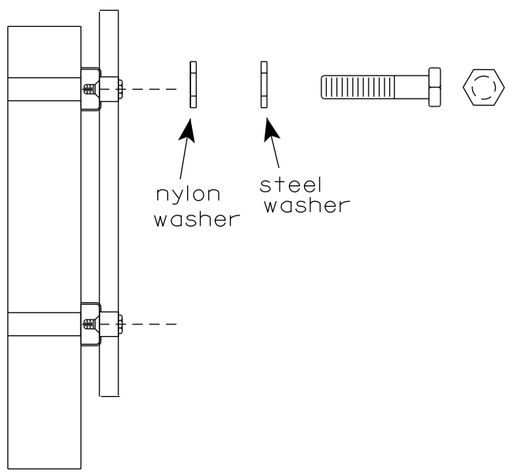
SINGLE SIGN







WASHER PLACEMENT

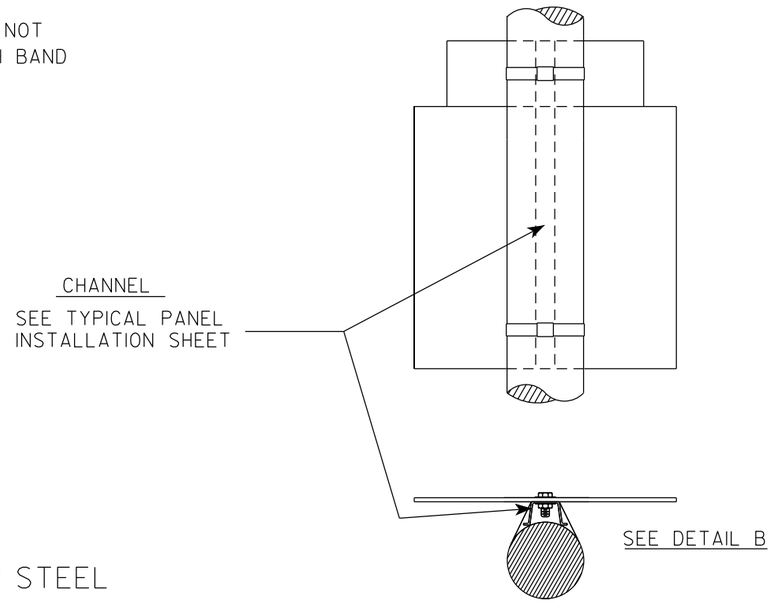


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

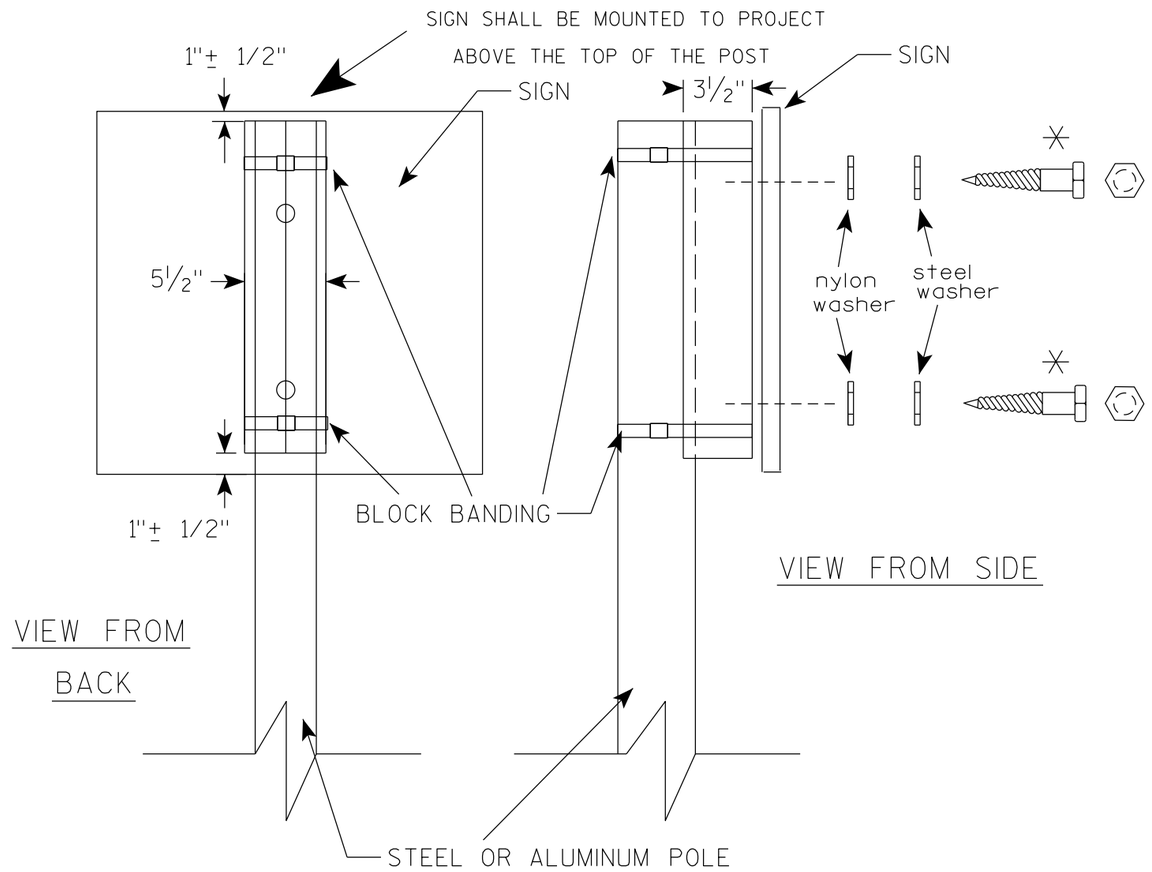
DATE 6/10/19 PLATE NO. A5-9.4

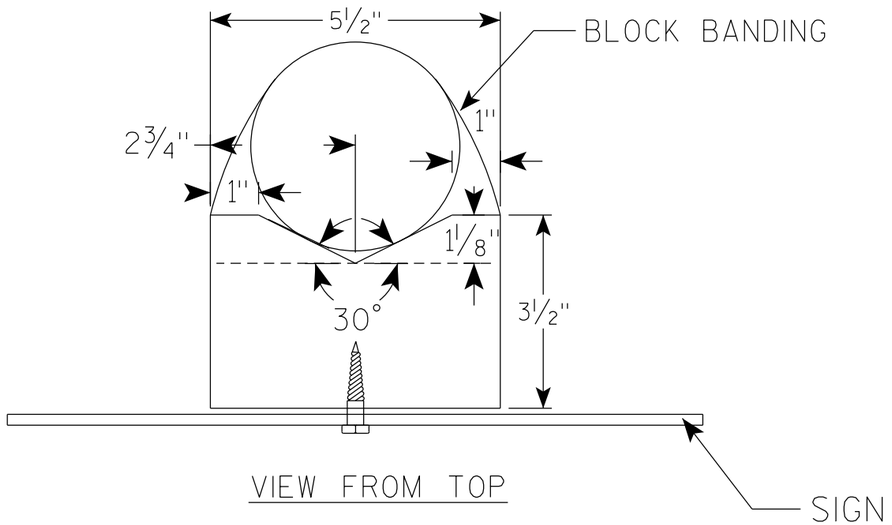
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 853	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

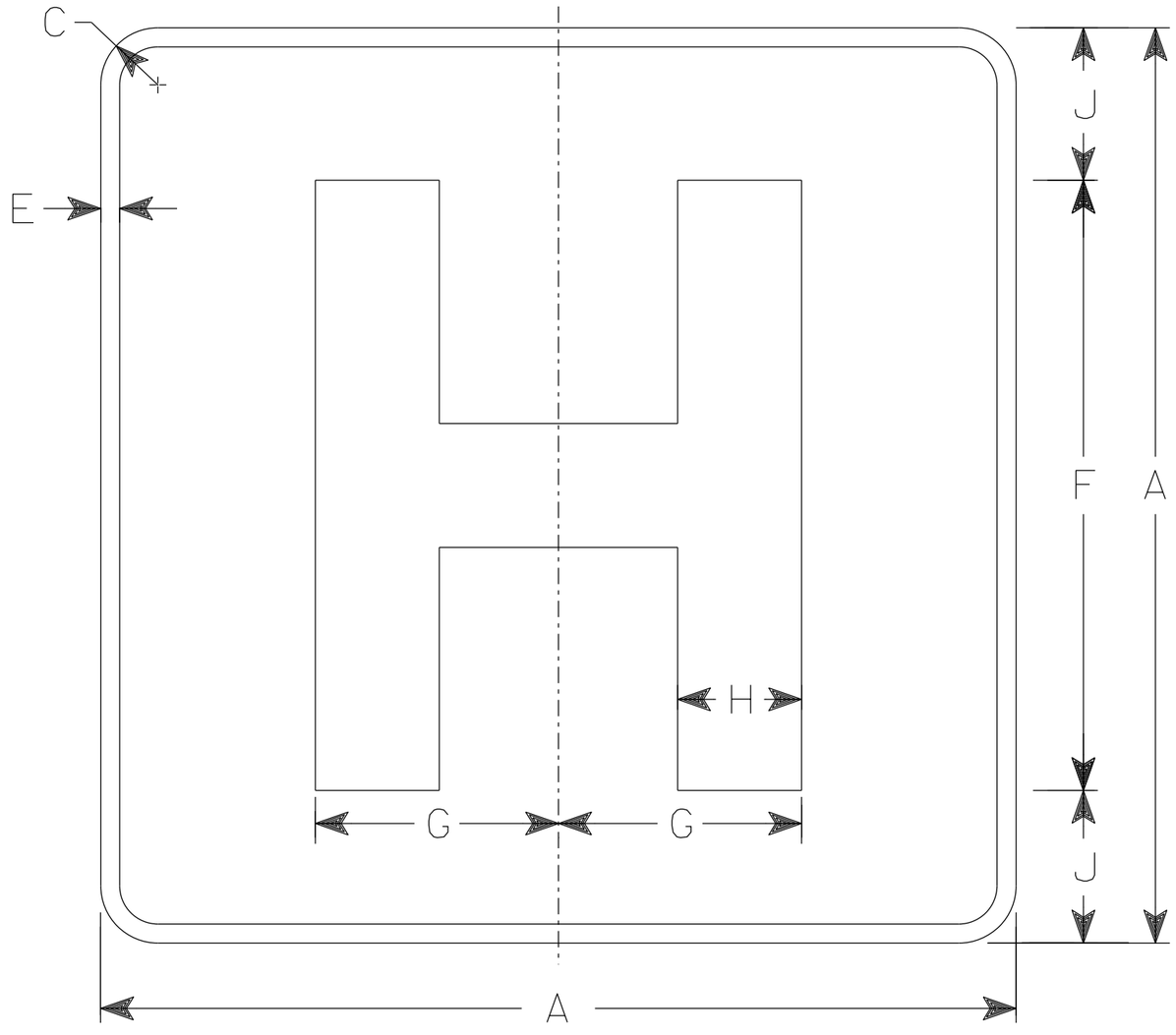
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 854 E



D9-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2		1/2	12	4 3/4	2 3/8		3																	2.25
2S	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
2M	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

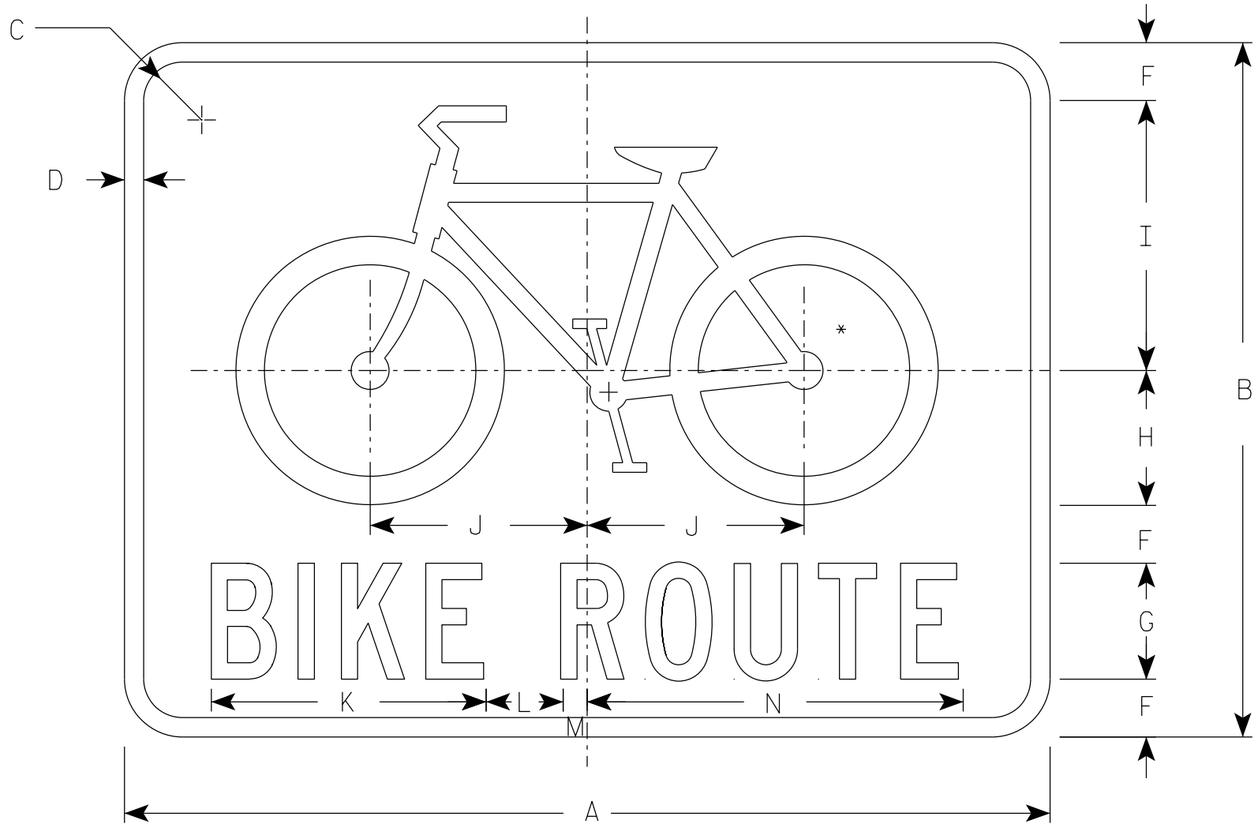
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/25/2023 PLATE NO. D9-2.6

PROJECT NO:

SHEET NO: 855 E



D11-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - C

* See W11-1 for symbol design

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
2M	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
3	30	24	1 1/2	5/8		2	4	4 3/4	9 1/4	7 1/2	9 1/2	2 5/8	7/8	13													5.0
4																											
5																											

STANDARD SIGN
D11-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2023 PLATE NO. D11-1.3

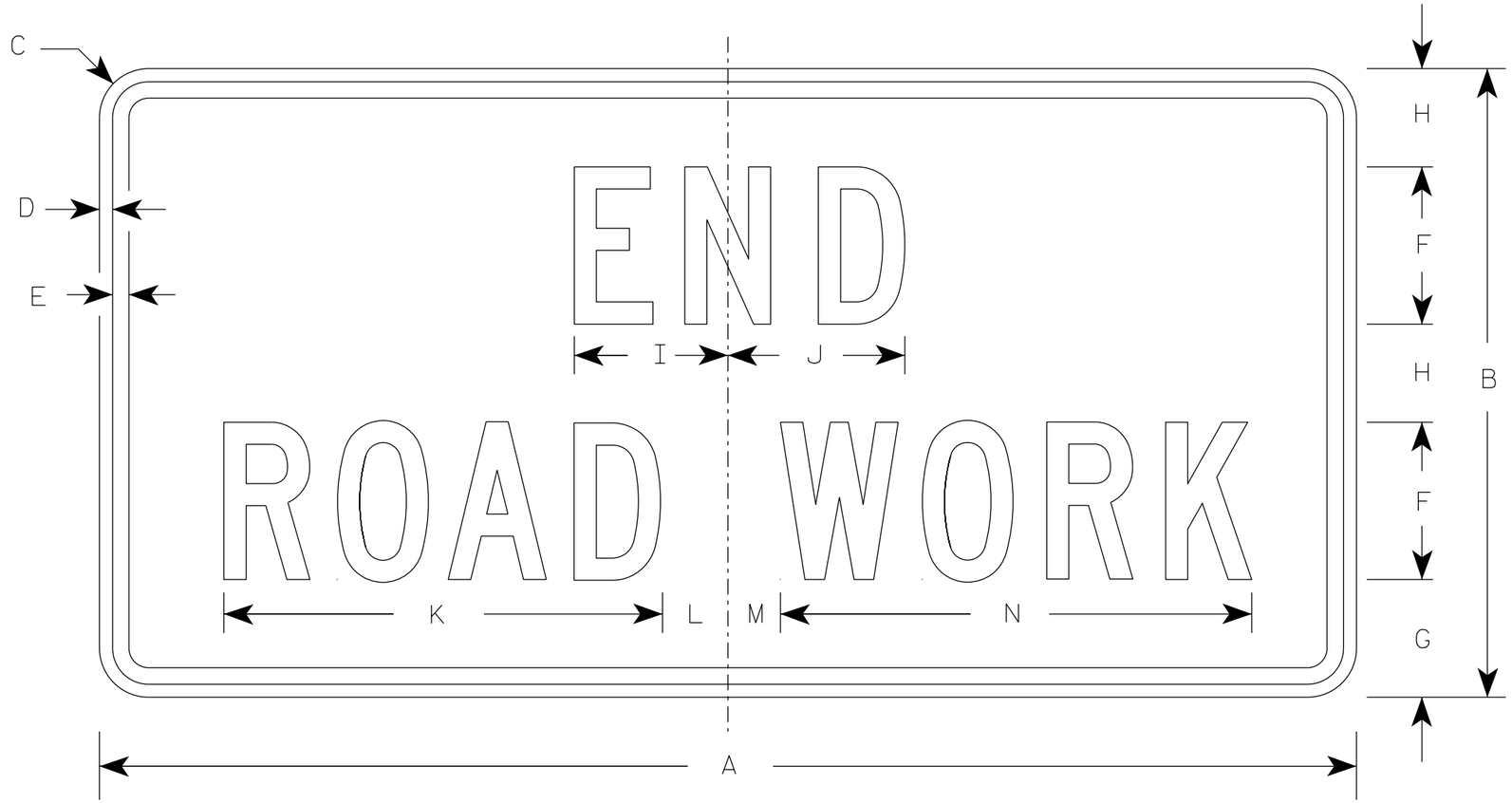
PROJECT NO:

SHEET NO: 856 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\D111.dgn PLOT DATE : 25-MAR 2023 2:15 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

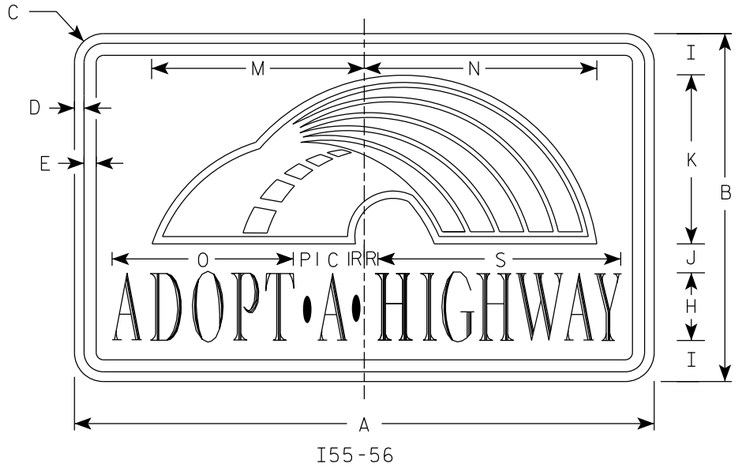
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

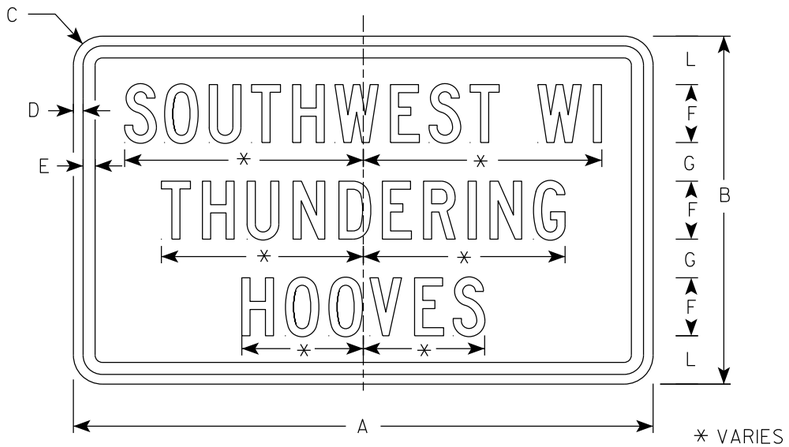
DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 857 E

7



I55-56



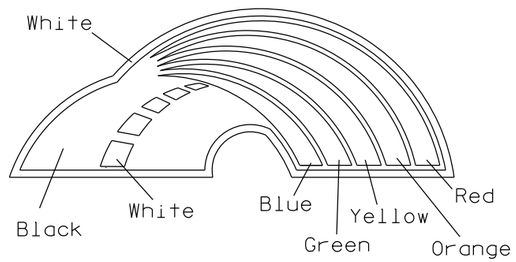
* VARIES

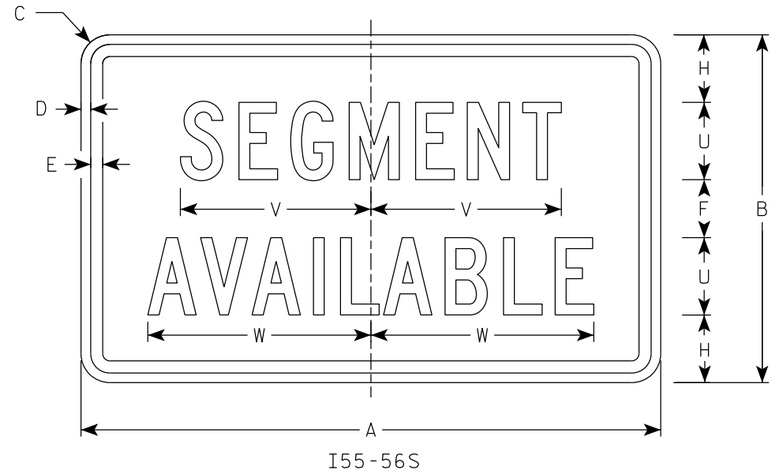
I55-56P

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
   Rainbow detail - See Below
3. Message Series - Adopt a Highway - Dutch 8011L
   All other Text - Series C
4. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*





I55-56S

*1/4" Black Border between each color of rainbow and border of rainbow

*3/8" White Border surrounds the whole image of the rainbow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 1/4	1 1/2	8 1/2	2 1/2	11	12	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

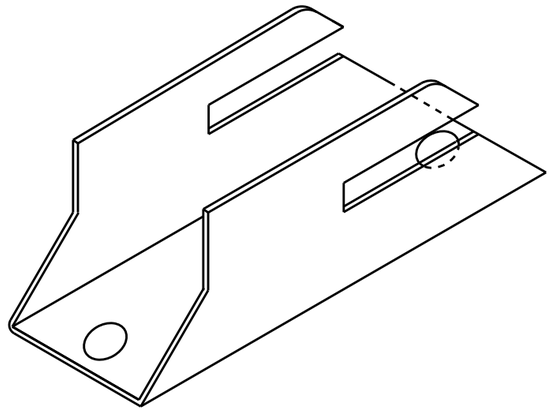
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

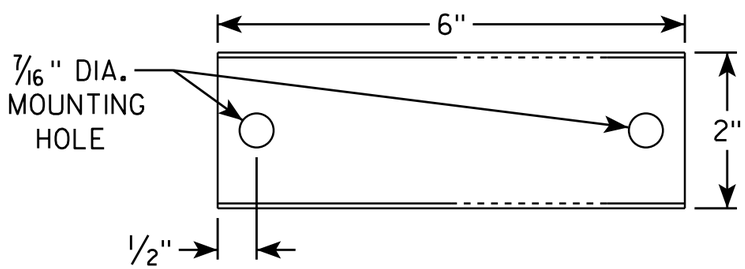
DATE 3/13/2025 PLATE NO. 155-56.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 858 | E

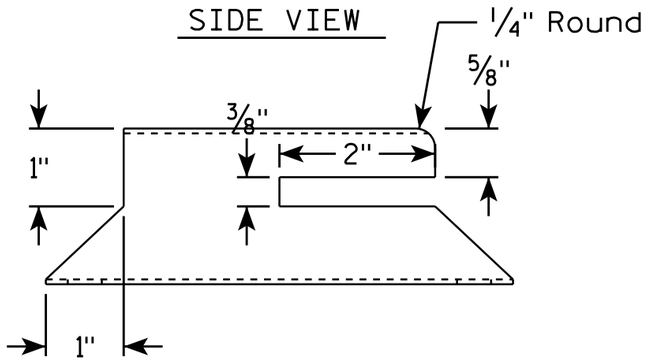
ISOMETRIC VIEW



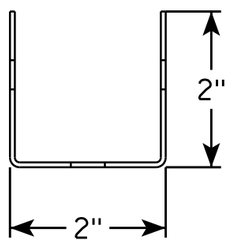
TOP VIEW



SIDE VIEW



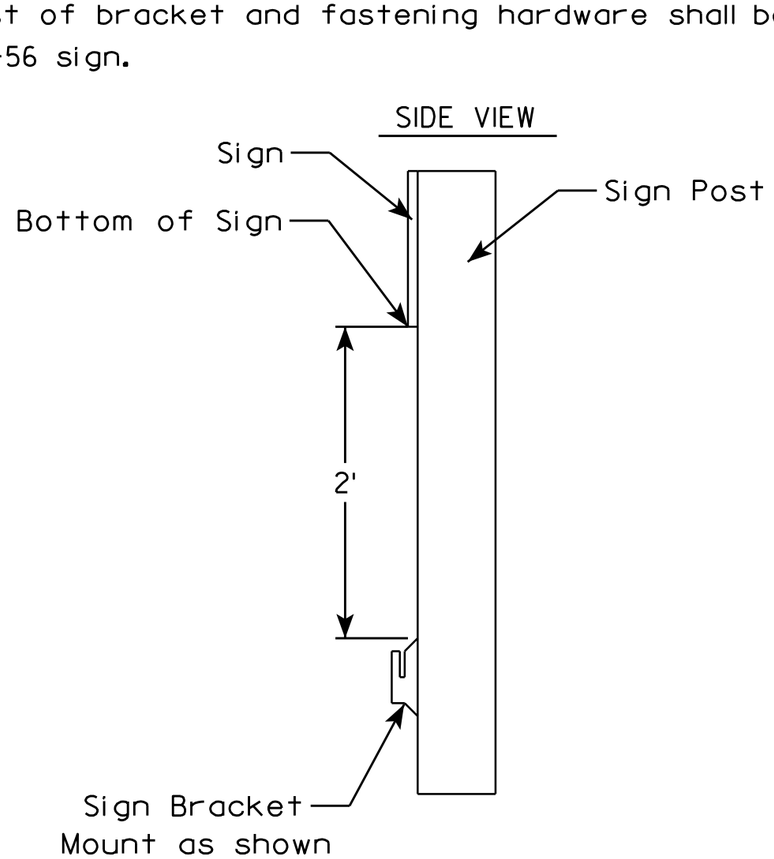
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



7

7

ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

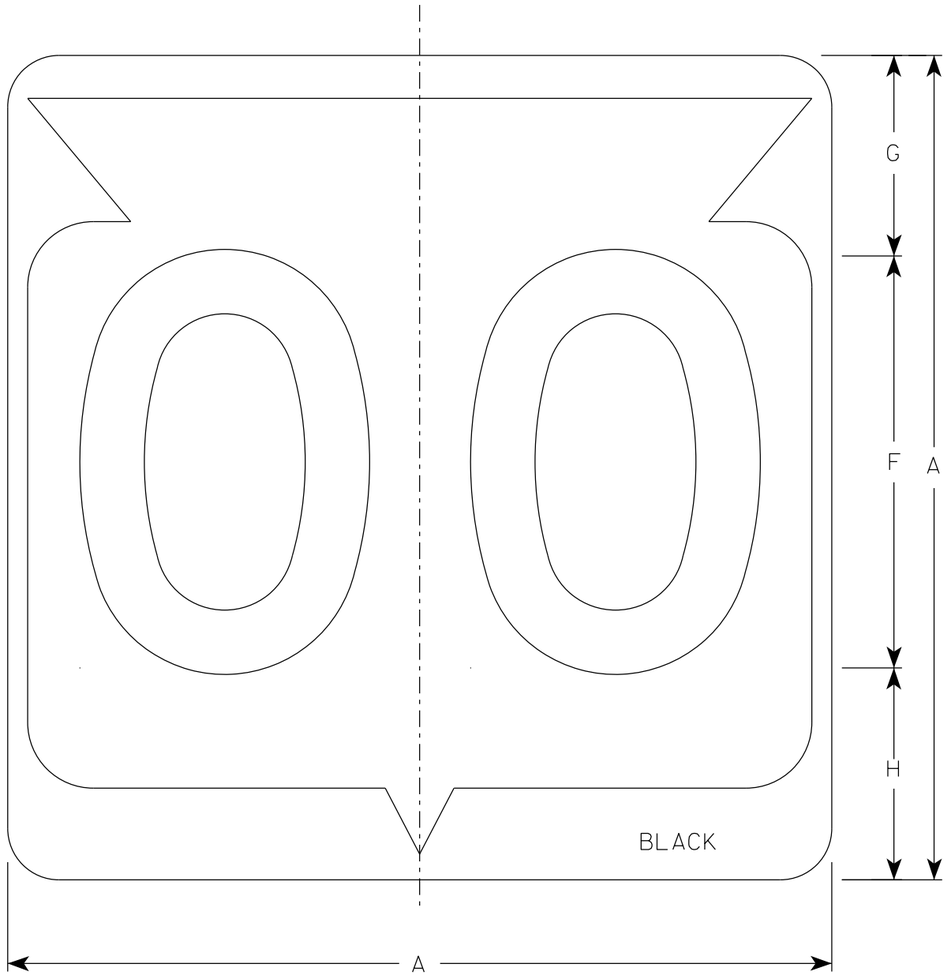
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/16 PLATE I55-56B.2

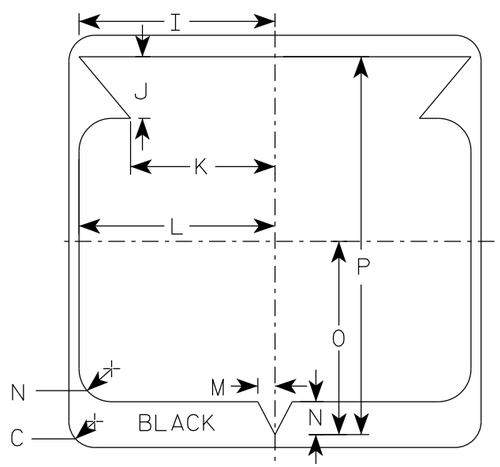
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000

WISDOT/CADDS SHEET 42



M1-6



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

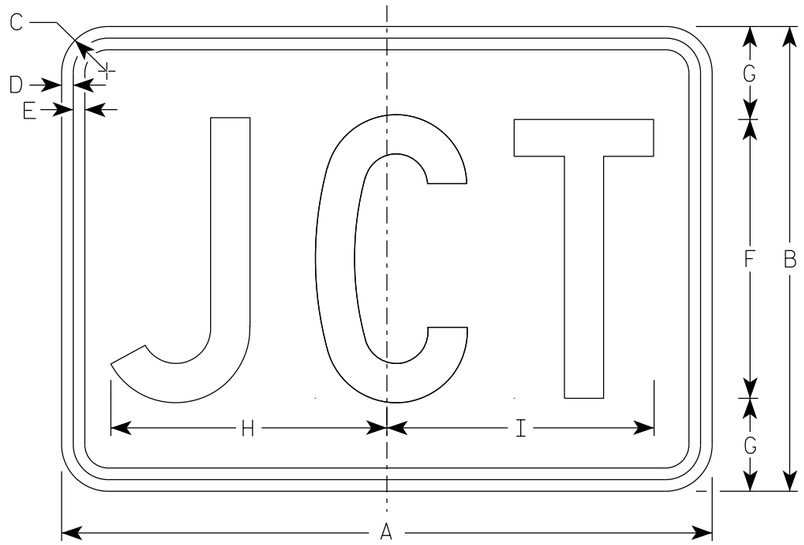
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

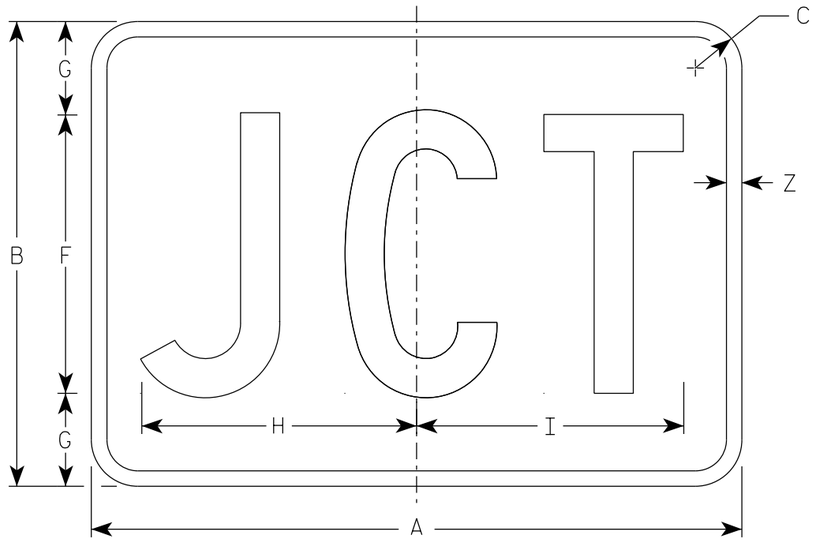
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 860	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

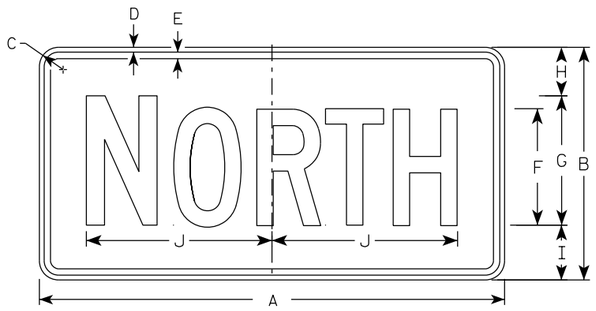
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

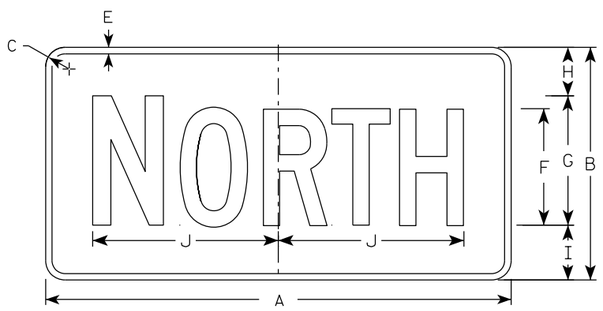
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

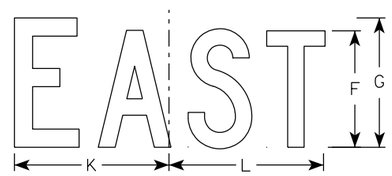
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 861 | E



M3-1
MM3-1
MP3-1



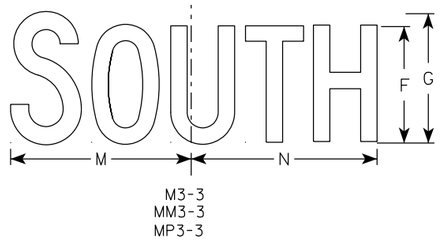
MB3-1
MK3-1
MN3-1



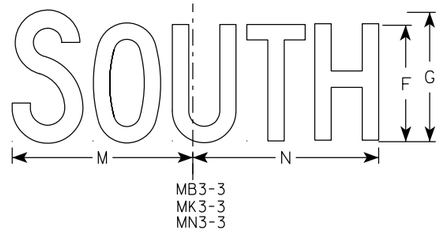
M3-2
MM3-2
MP3-2



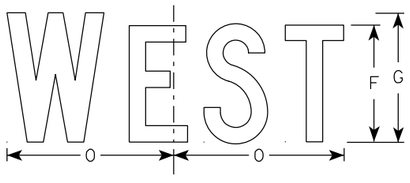
MB3-2
MK3-2
MN3-2



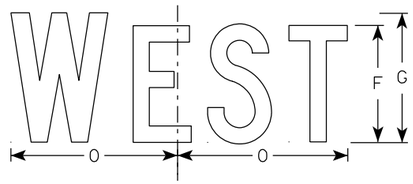
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

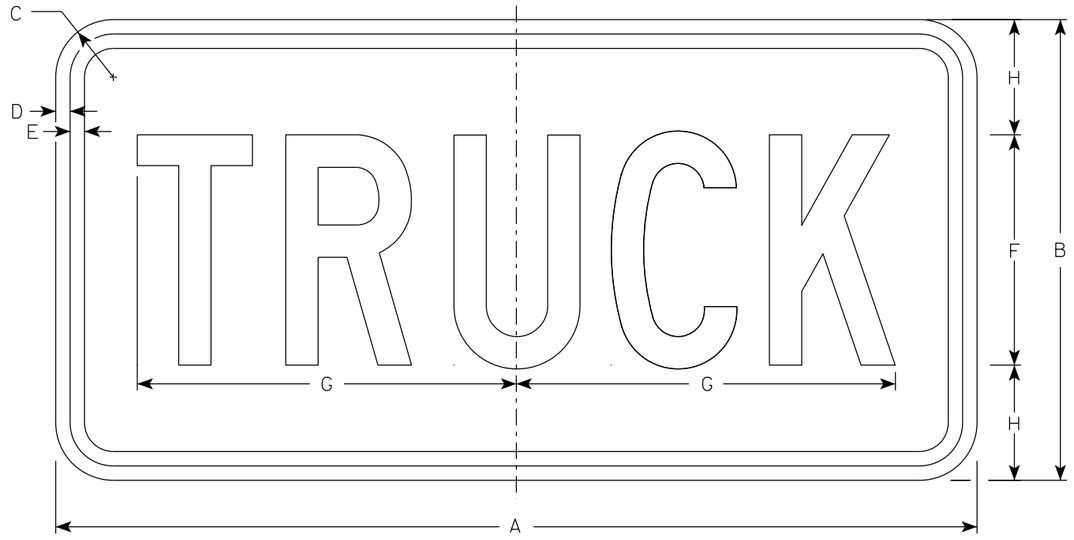
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 862 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C



M4-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
2M	24	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
3	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
4	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
5	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5

STANDARD SIGN

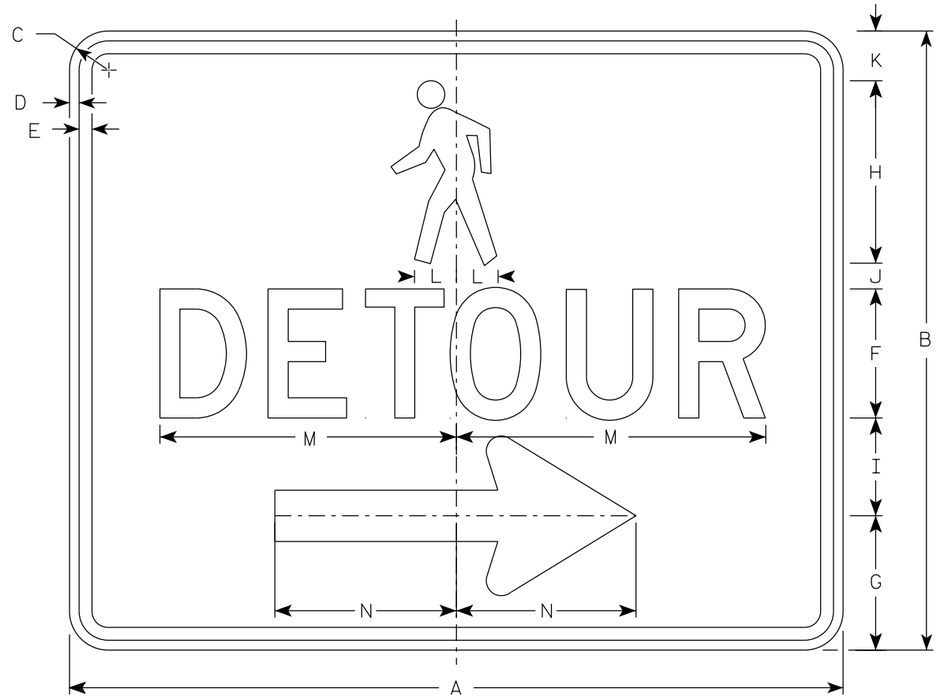
M4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/21/2022 PLATE NO. M4-4.4

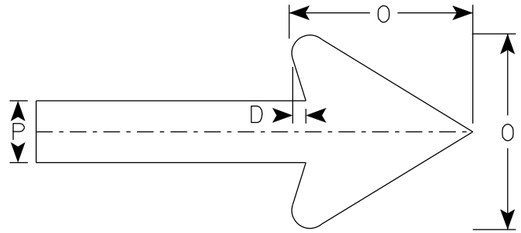
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

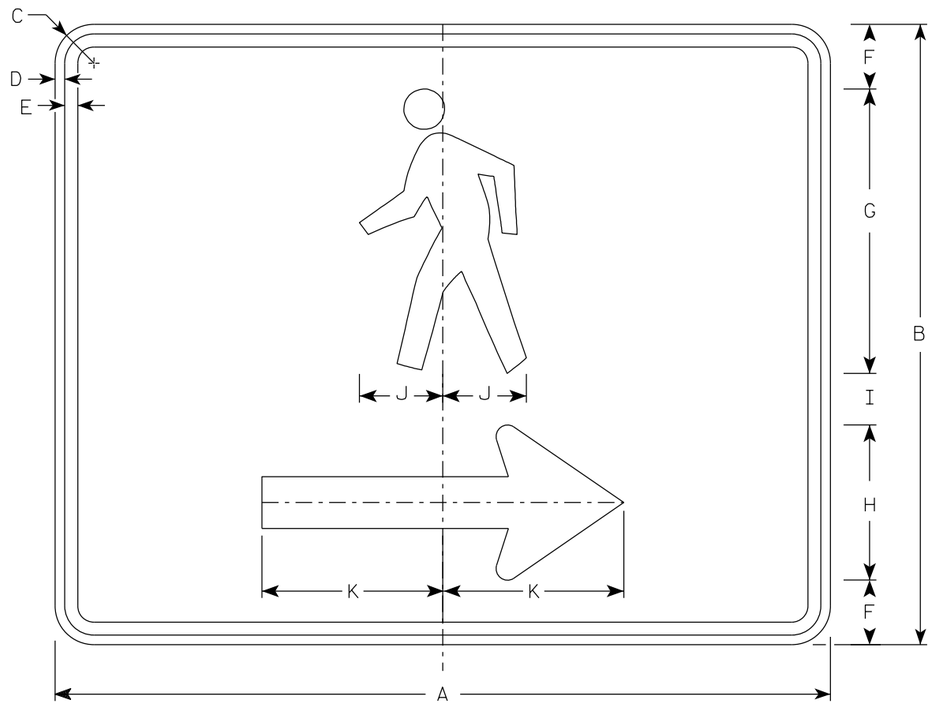
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

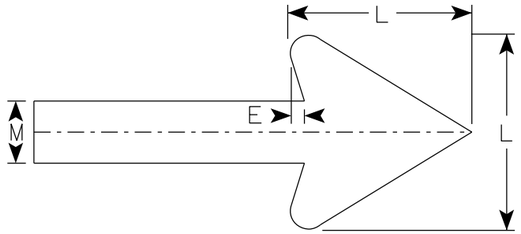
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 864 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-60L is the same as M4-60R except the arrow is reversed.



M4-60R



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
2M	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
3																											
4																											
5																											

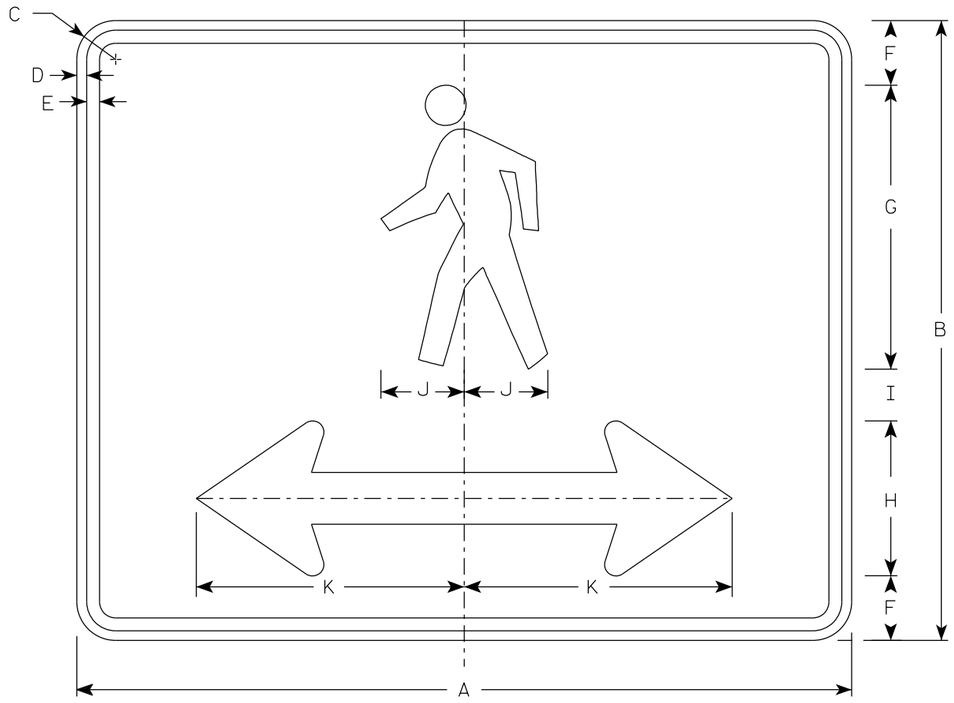
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

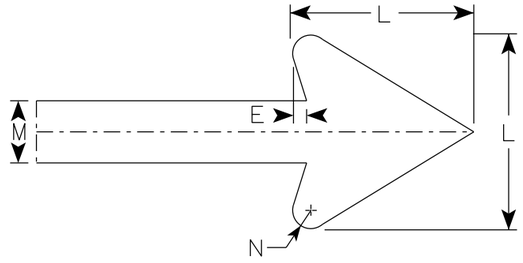
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 865 | E



M4-60D

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
2M	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
3																											
4																											
5																											

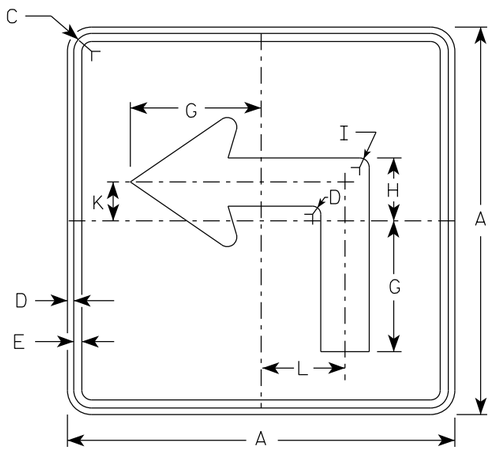
STANDARD SIGN
M4-60D

WISCONSIN DEPT OF TRANSPORTATION

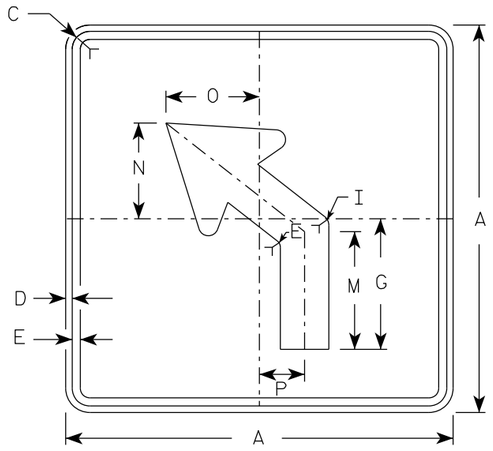
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60D.2

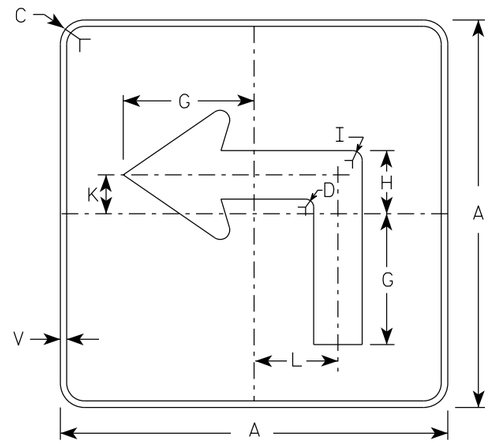
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 866 | E



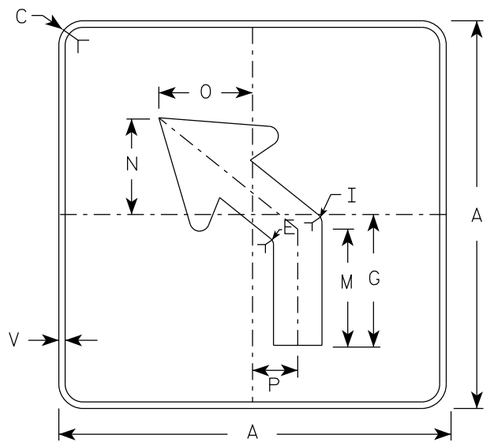
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

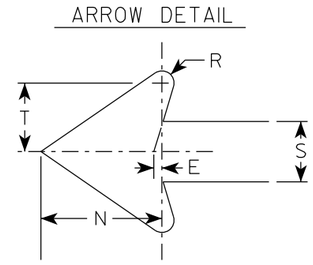


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

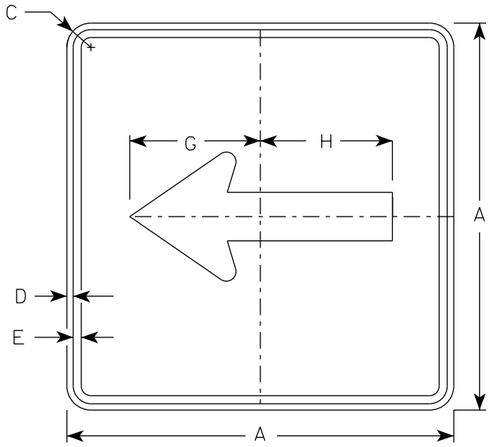
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

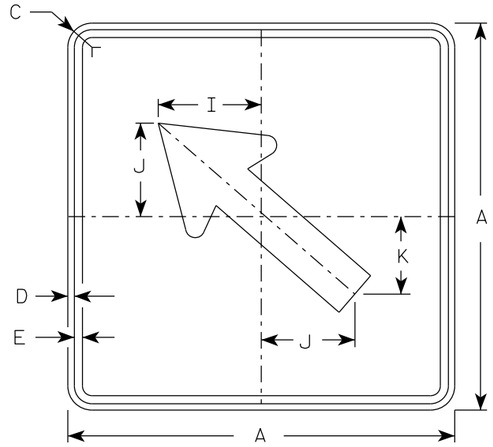
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

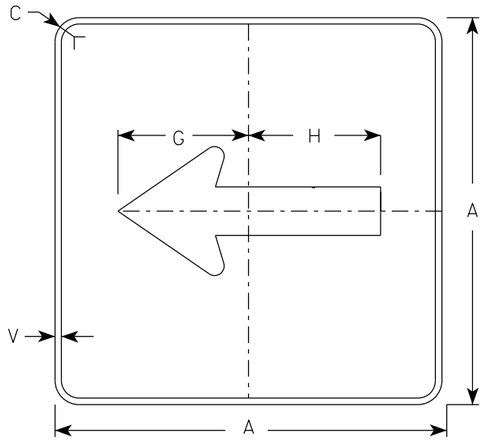
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 867 | E



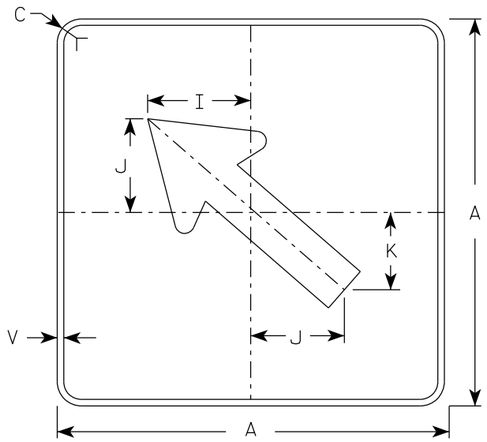
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

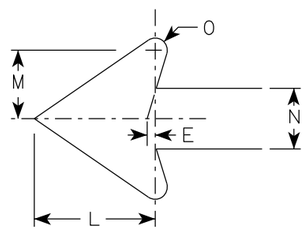


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

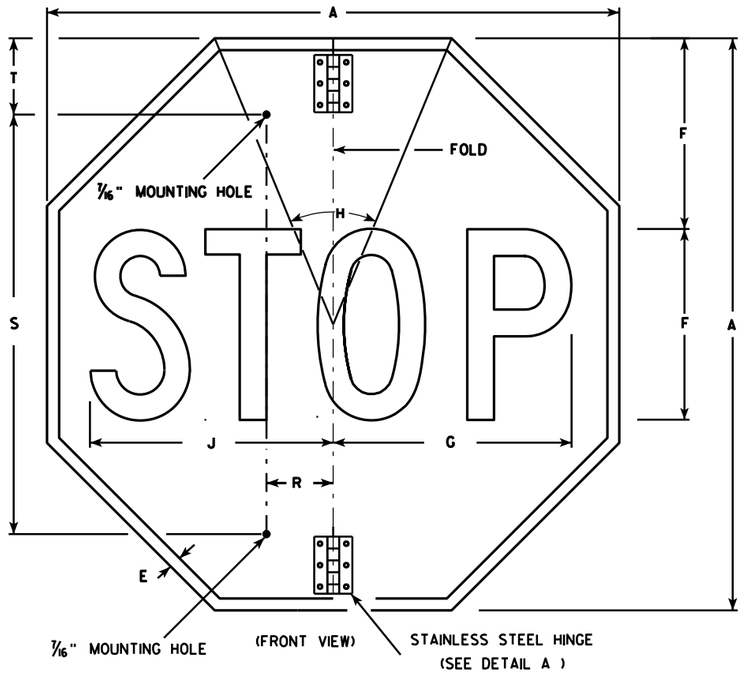
APPROVED Matthew R Rauch
For State Traffic Engineer

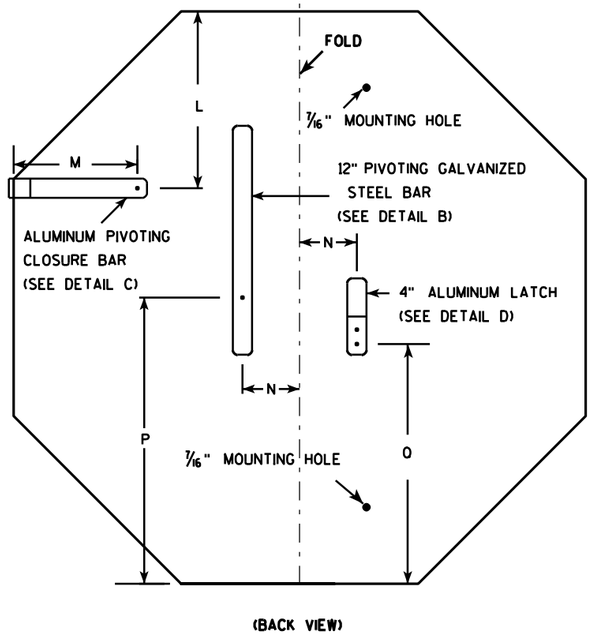
DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 868 | E

7

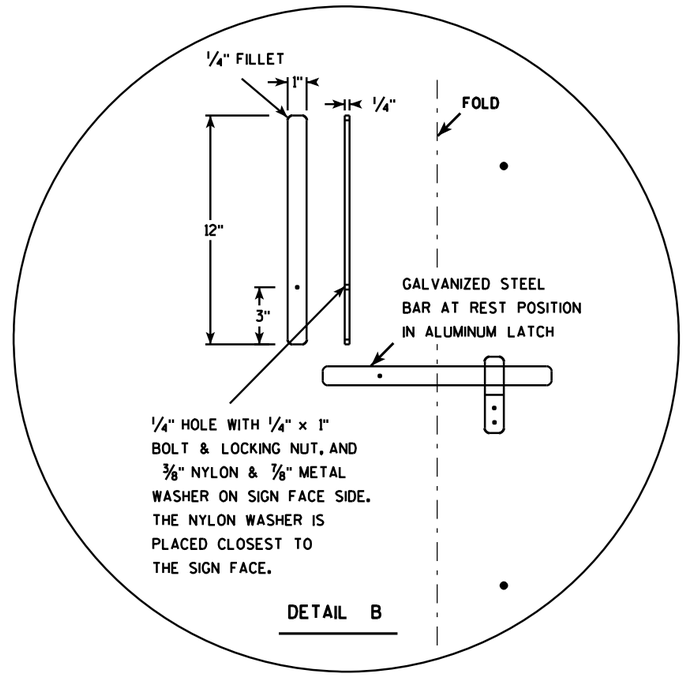
7

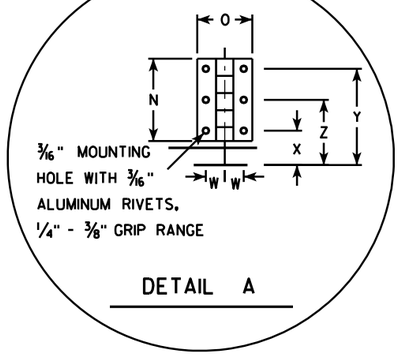


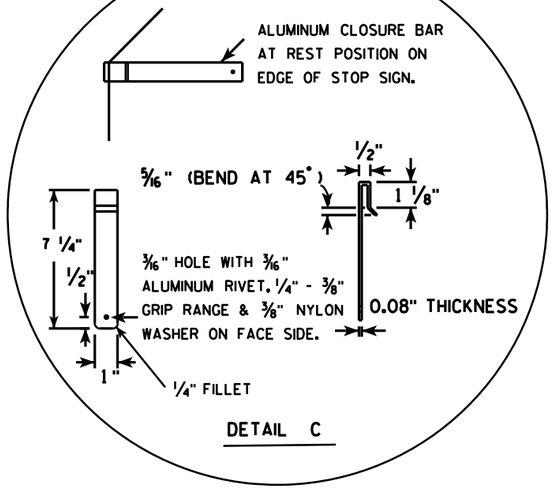


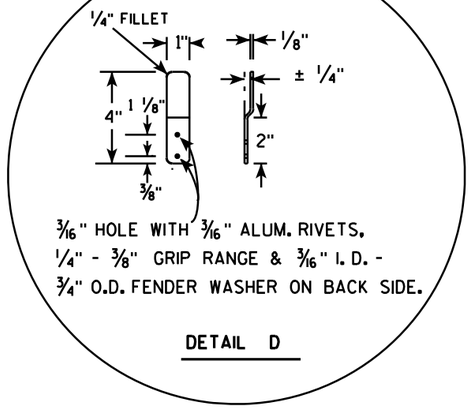
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

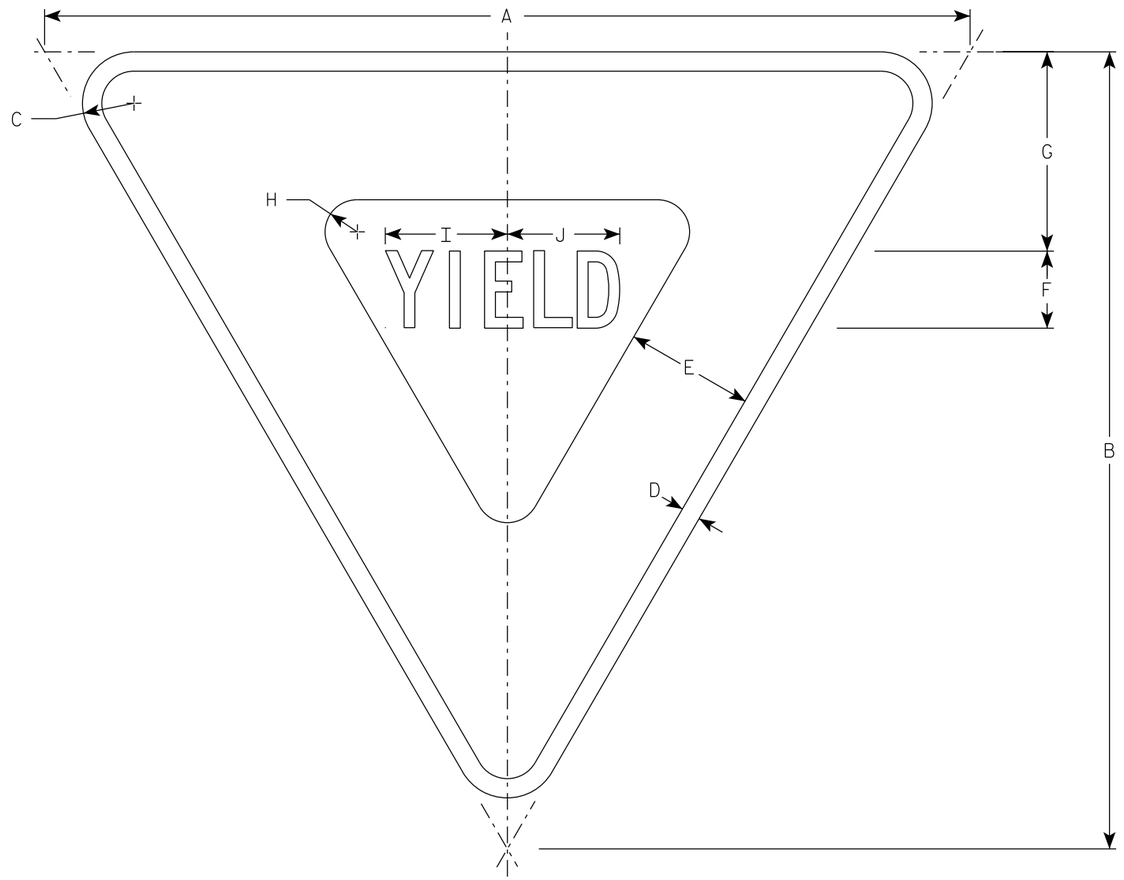
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 869	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 4
3. Message Series - C
4. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

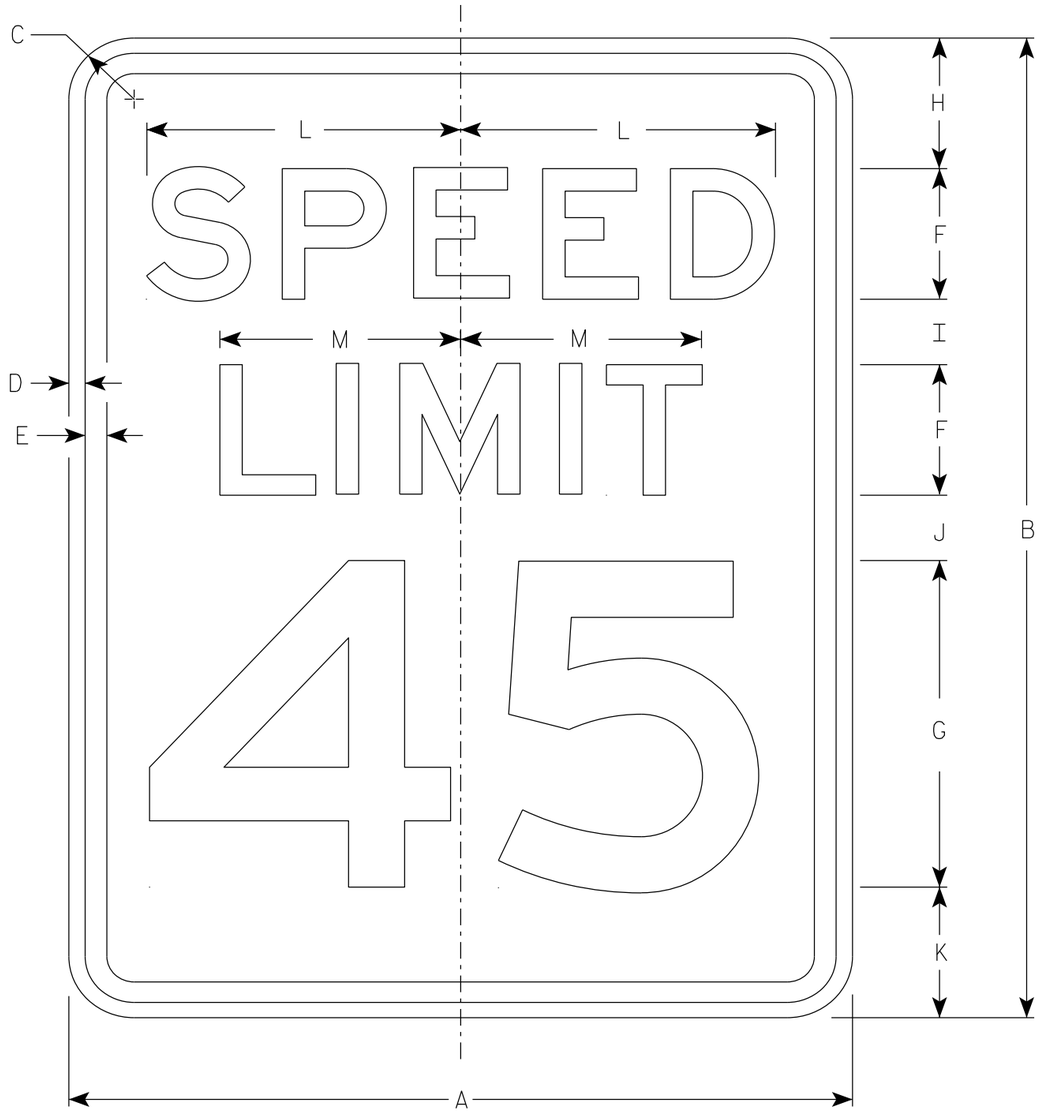
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/10/2024 PLATE NO. R1-2.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 870	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

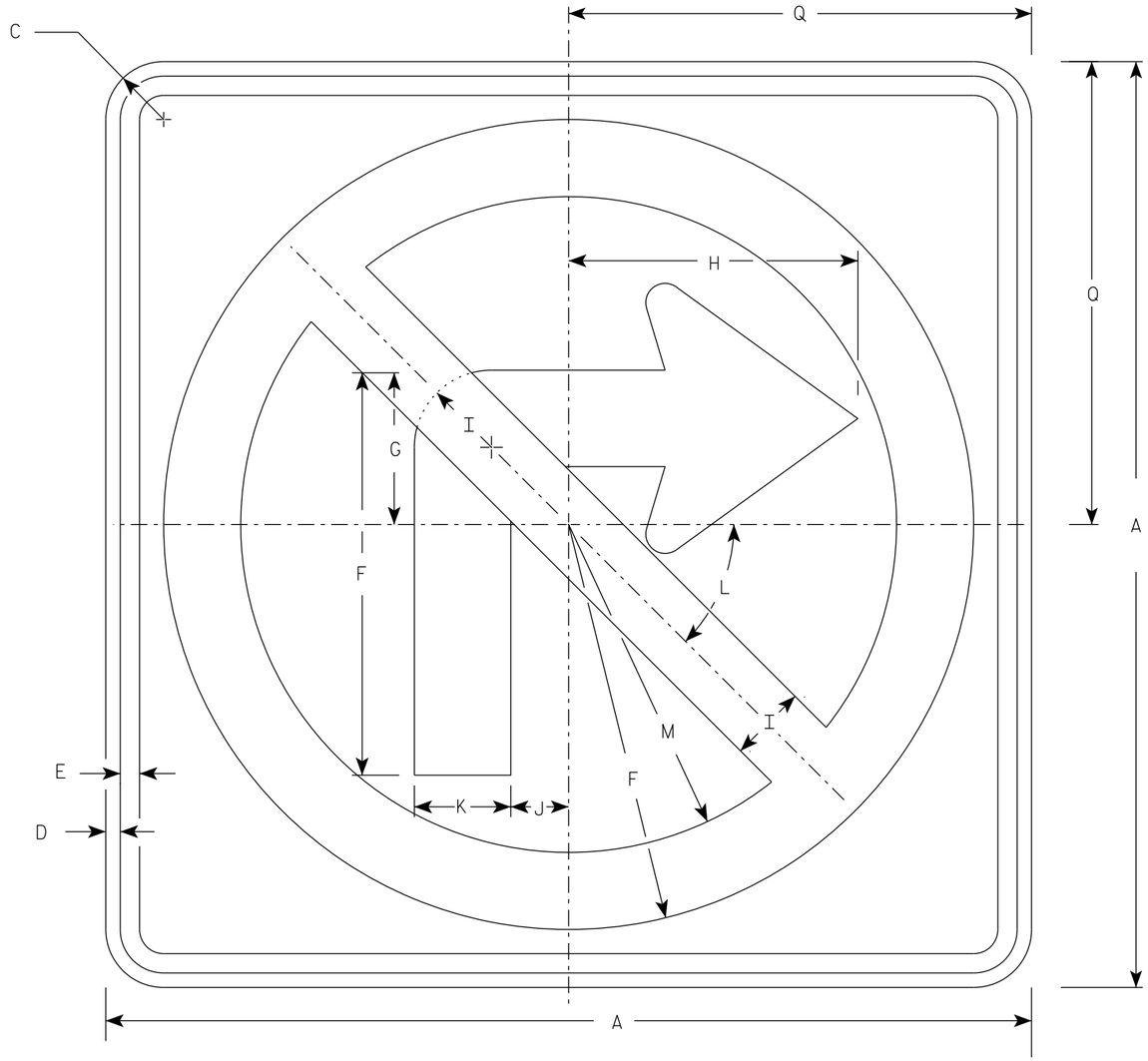
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

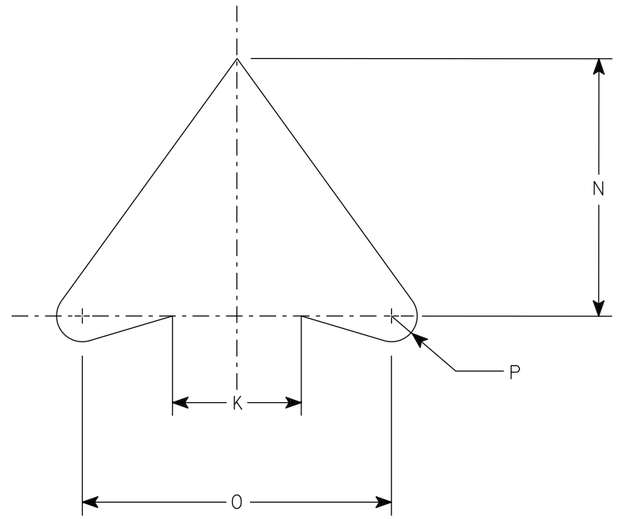
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 871 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45	8 ½	5	6	½	12										4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½	12										4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾	18										9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

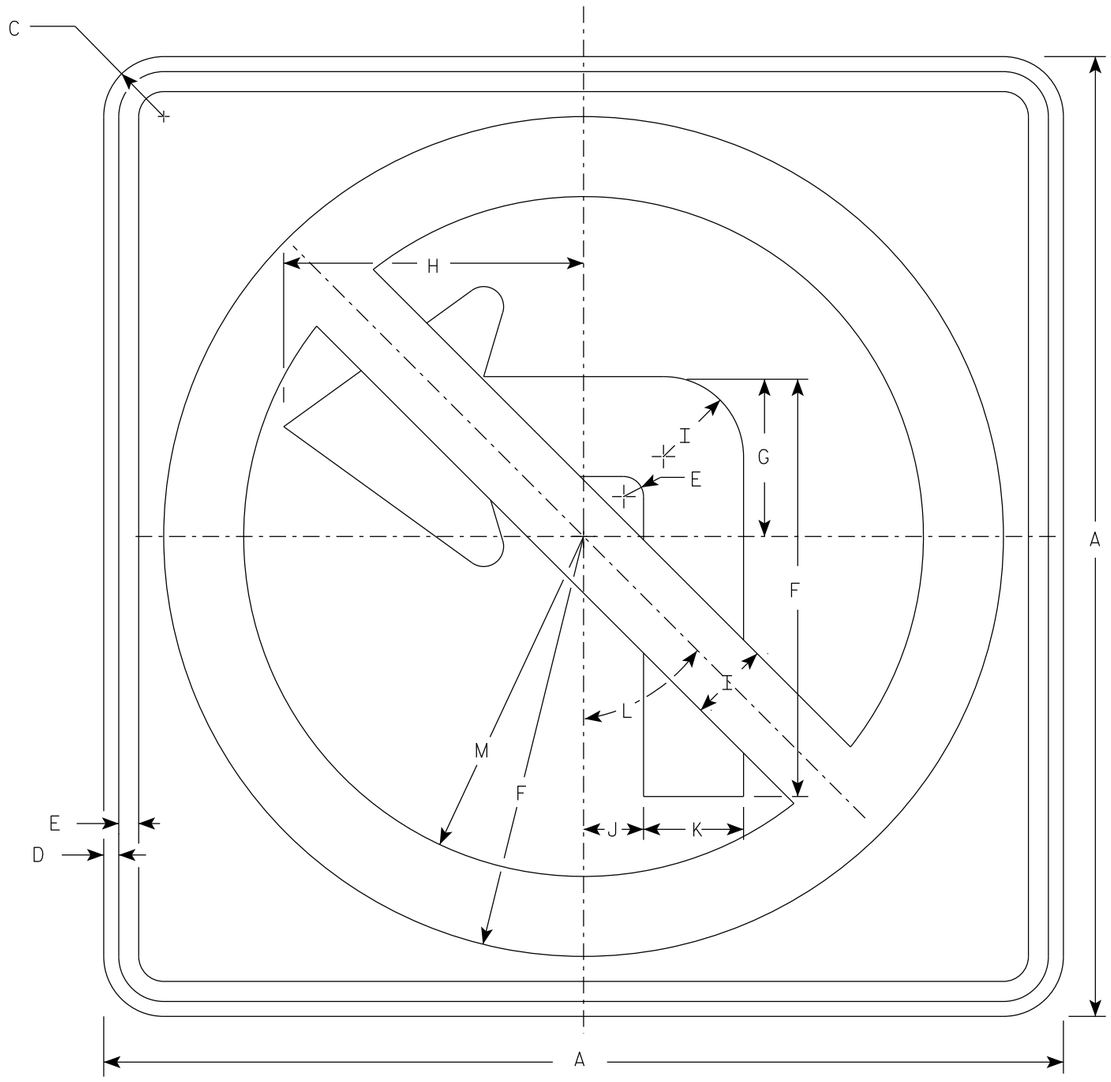
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

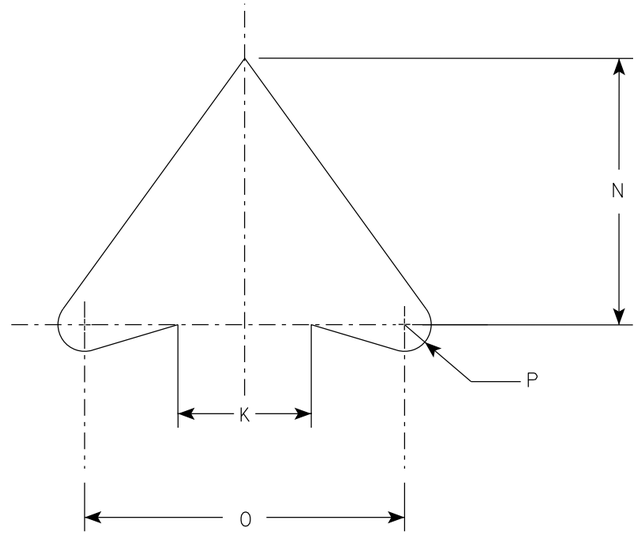
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 872 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

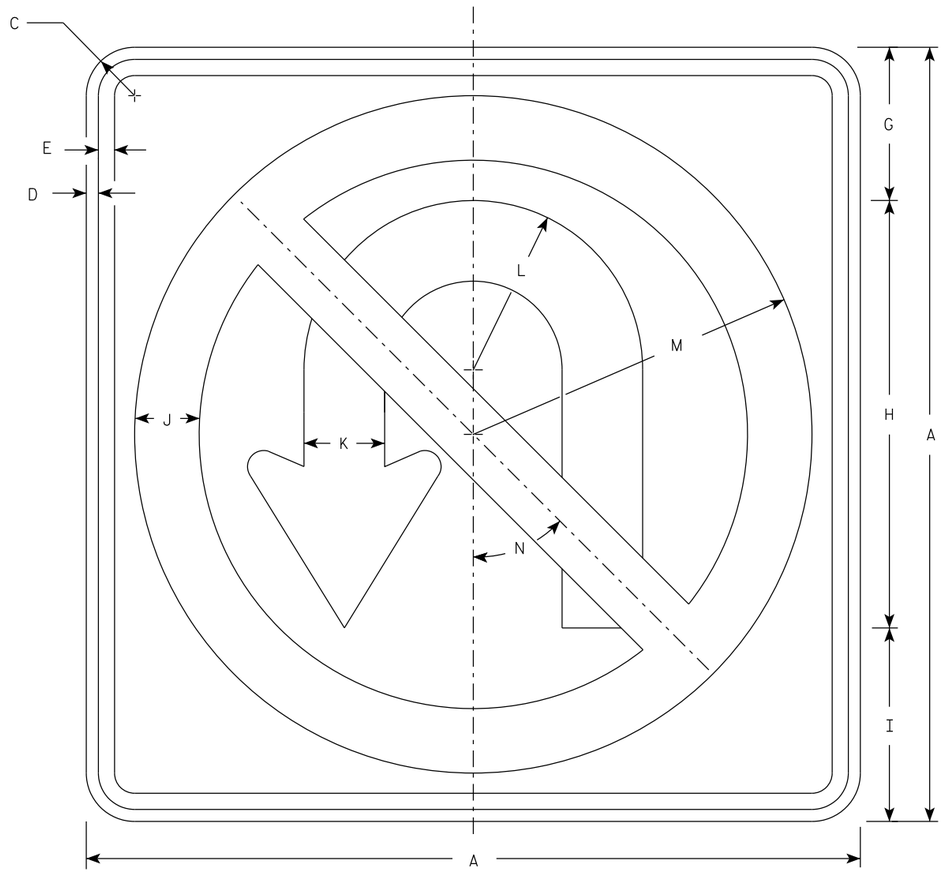
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

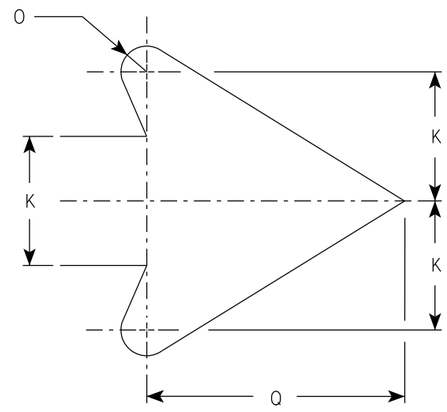
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 873 | E



R3-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

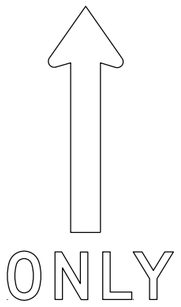
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-4.12

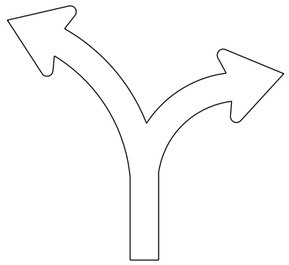
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 874	E

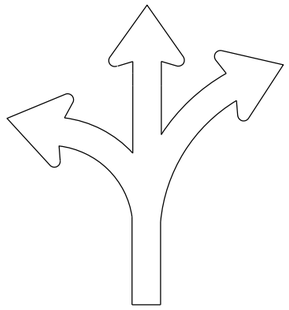


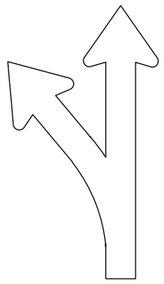
(A)

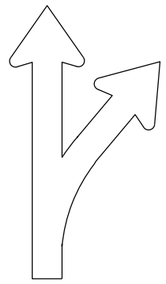


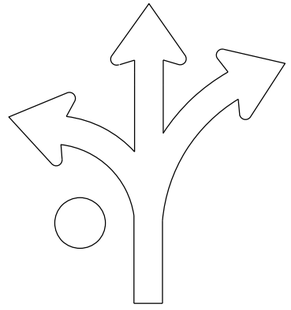
(B)

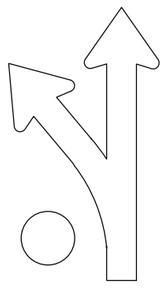

(C)

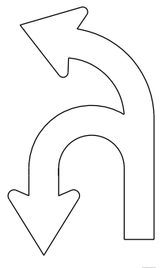

(D)

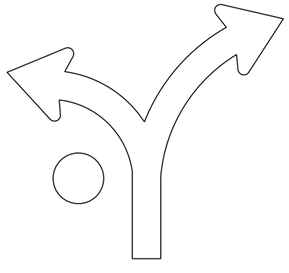

(E)

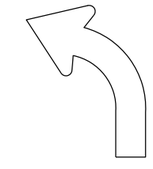

(F)


(G)

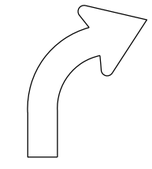

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 875 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

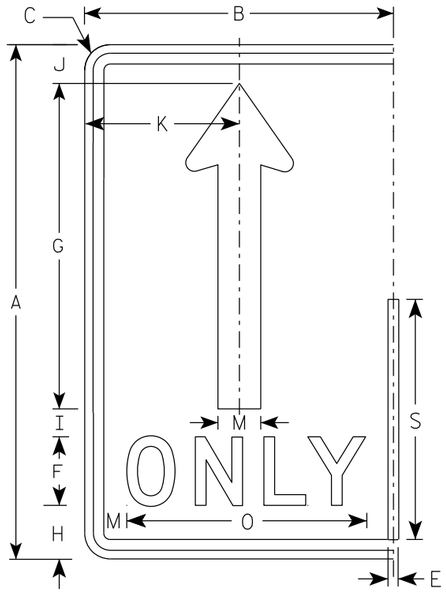
WISDOT/CADDS SHEET 42

7

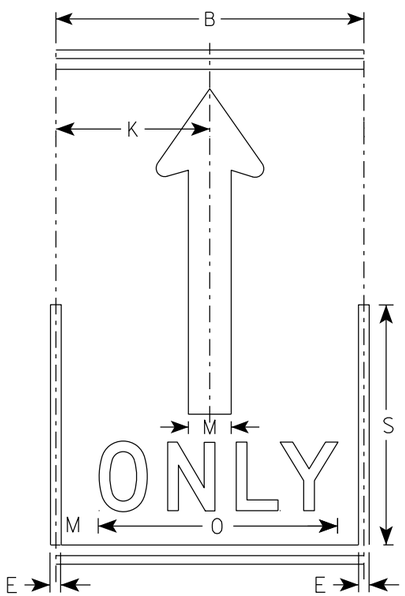
7

NOTES

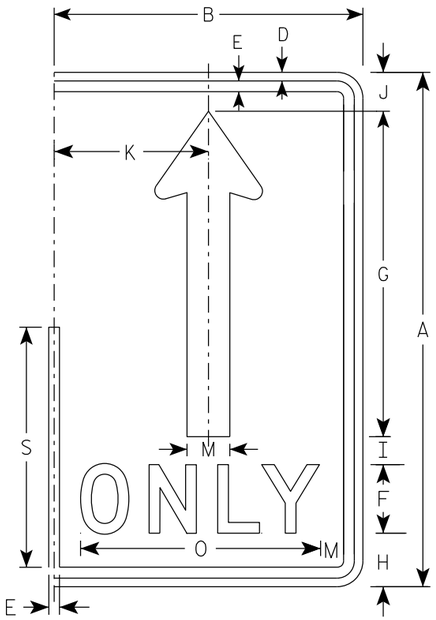
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



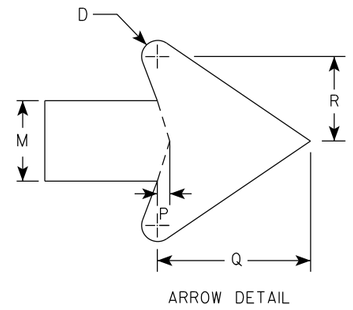
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

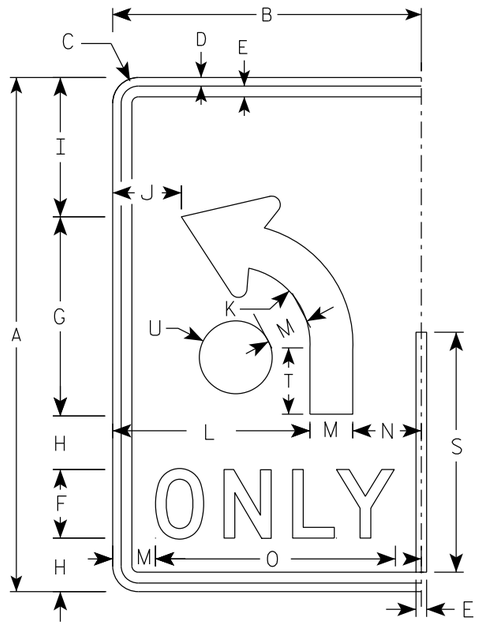
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

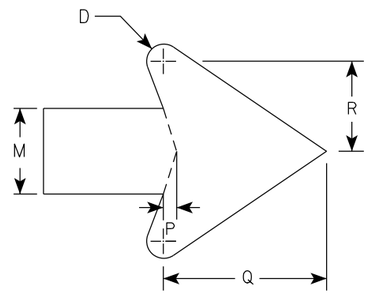
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 876 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

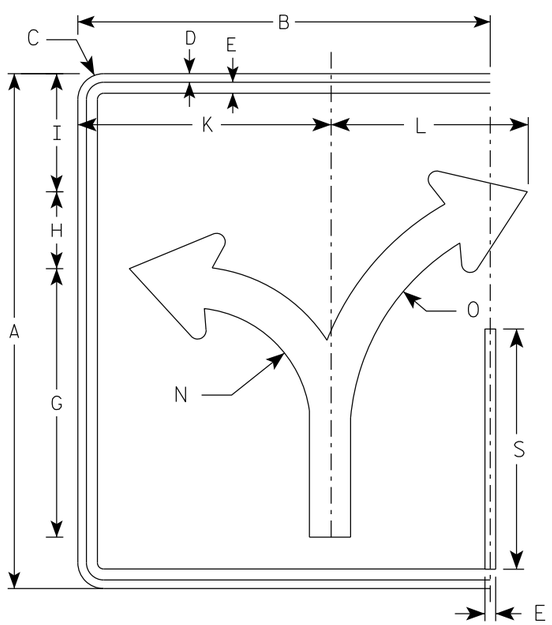
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

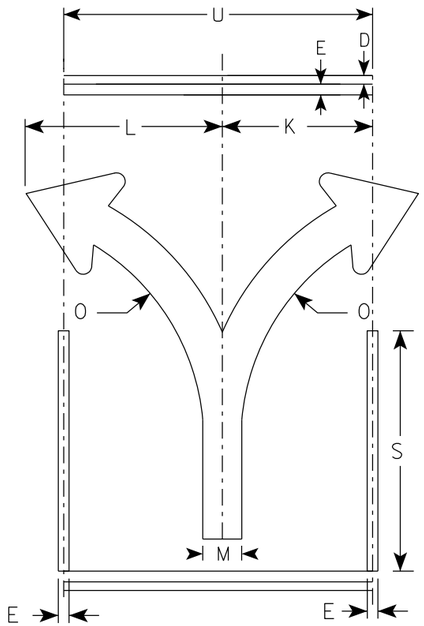
SHEET NO: 877 E

NOTES

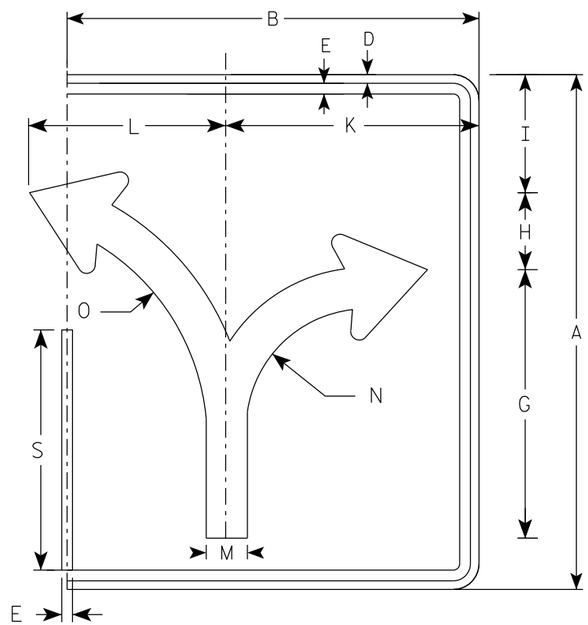
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



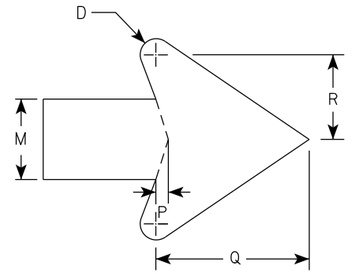
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

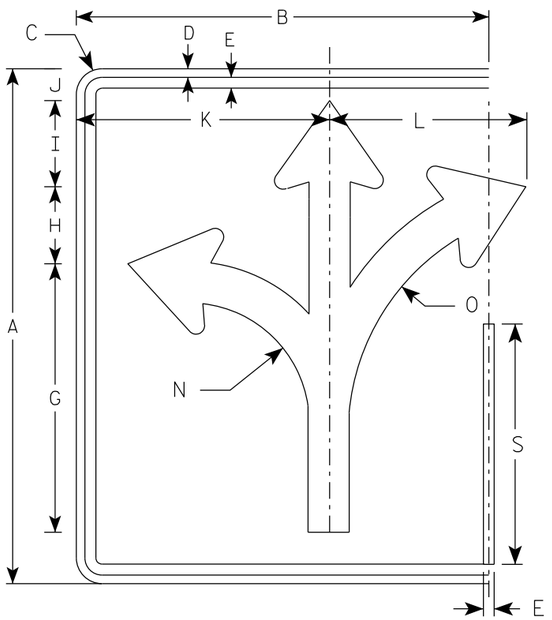
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

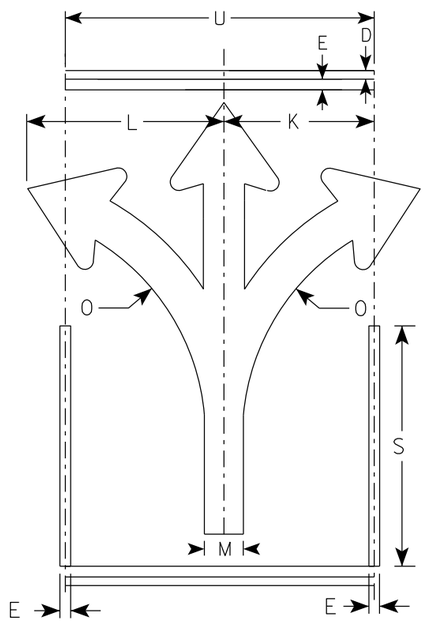
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 878 | E

NOTES

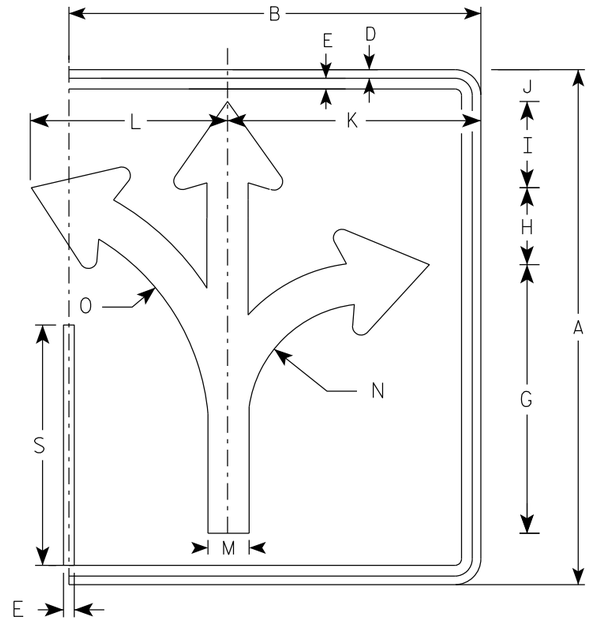
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



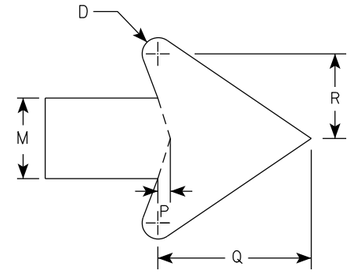
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

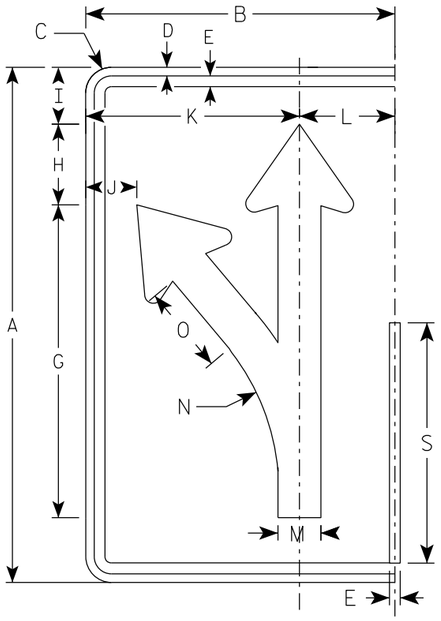
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

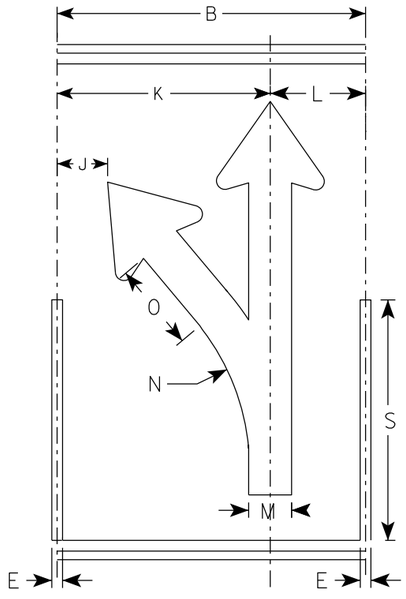
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 879 | E

NOTES

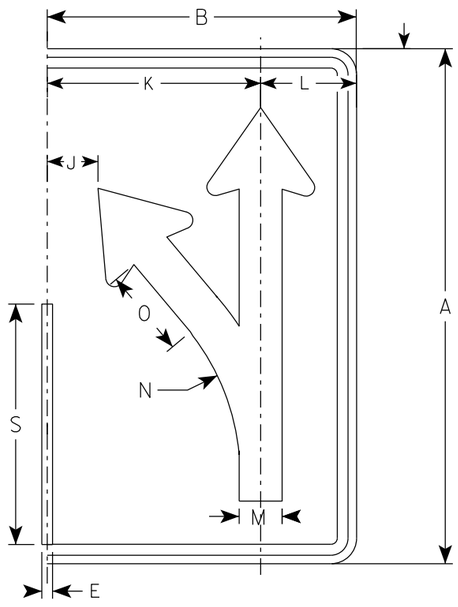
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



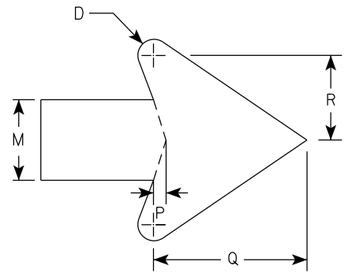
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

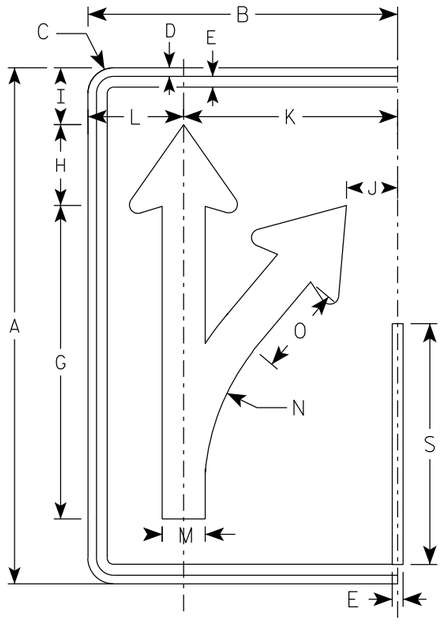
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

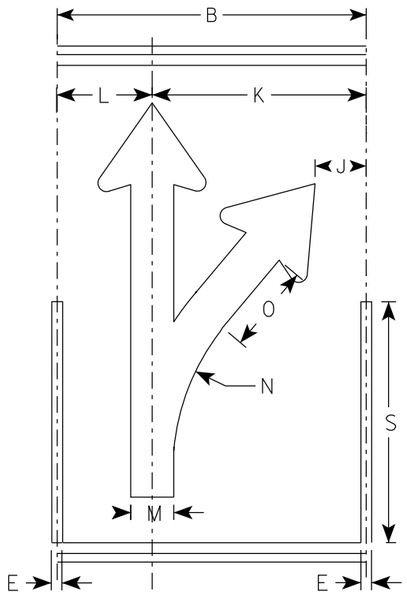
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 880 | E

NOTES

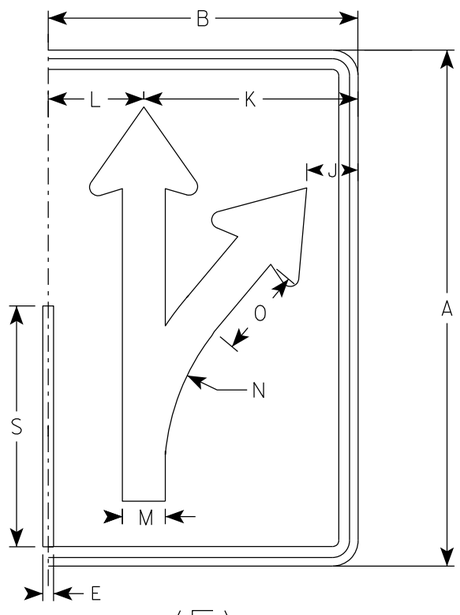
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



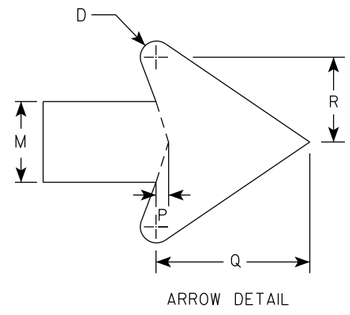
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

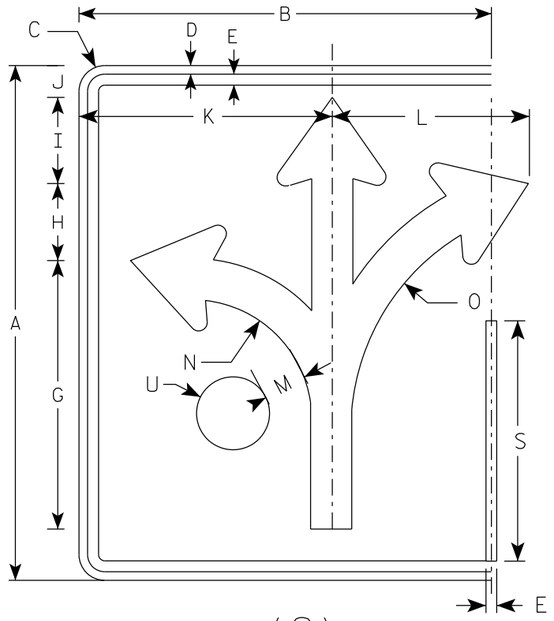
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

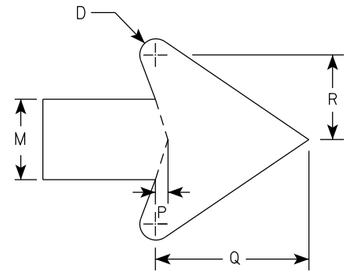
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 881 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

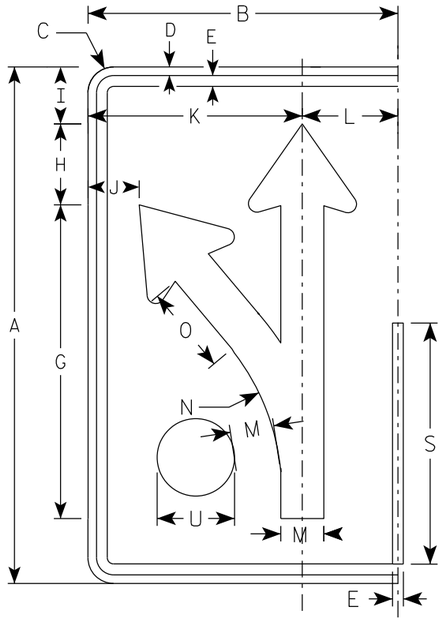
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

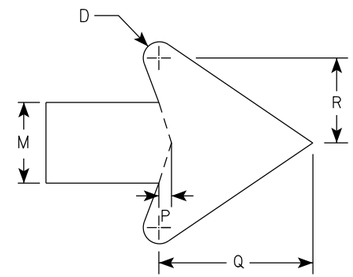
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 882	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

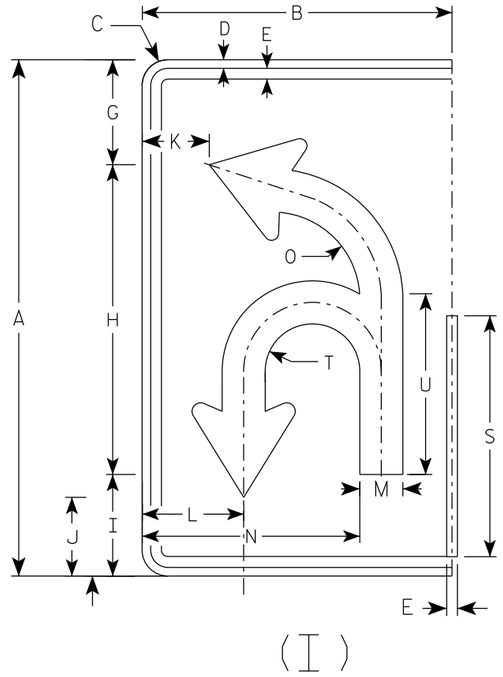
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

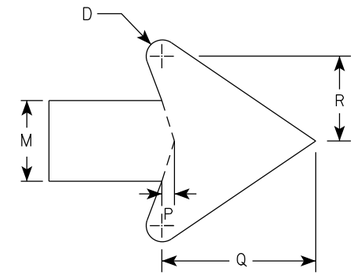
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 883 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

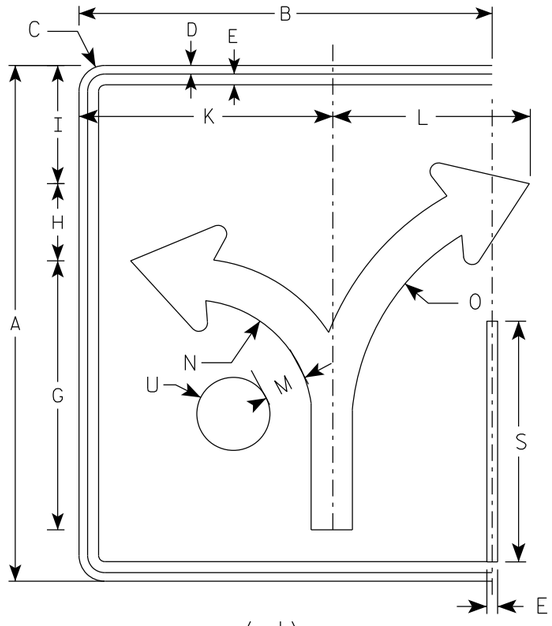
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

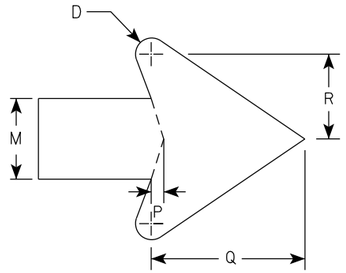
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 884 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

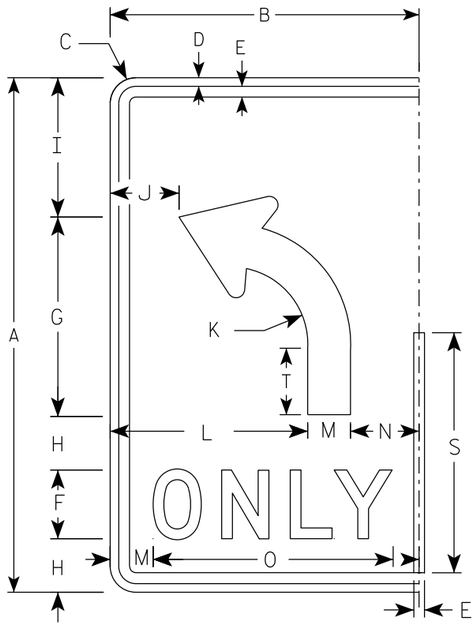
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 885 | E

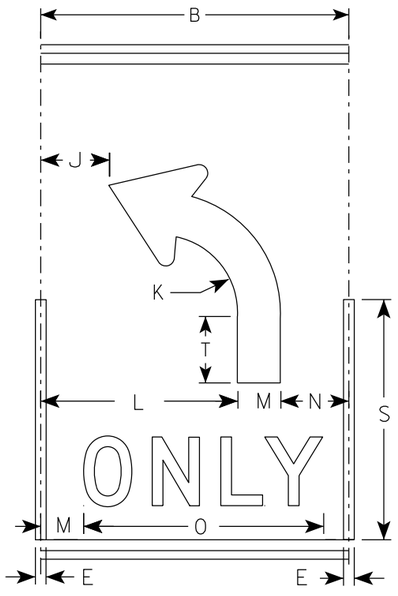
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

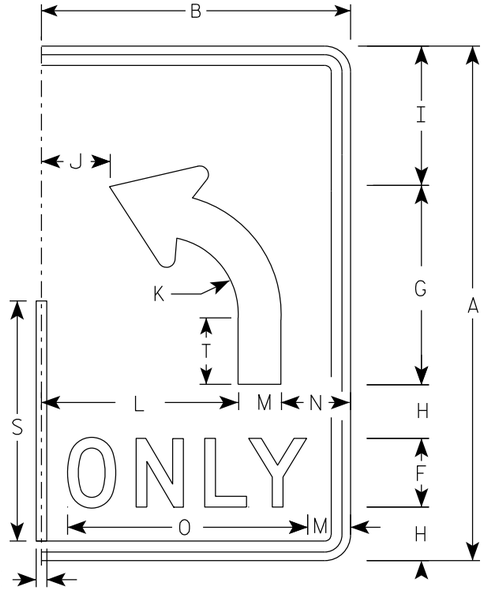
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



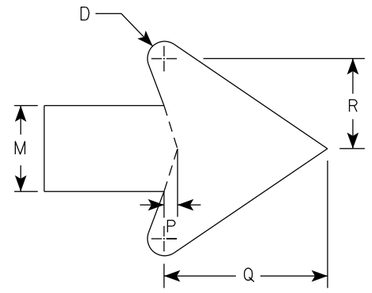
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 886 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:02 PLOT BY : mscj9h PLOT NAME :

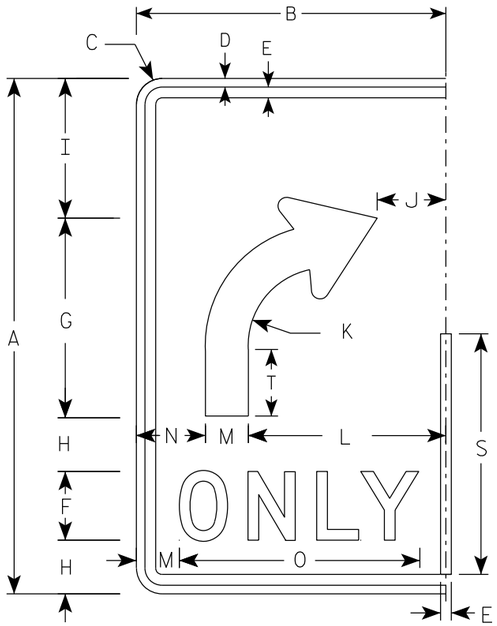
WISDOT/CADDS SHEET 42

7

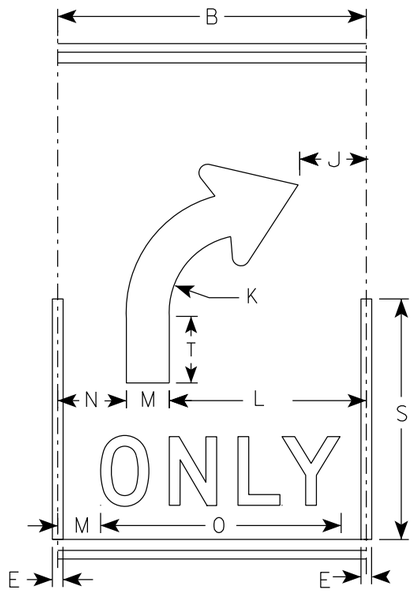
7

NOTES

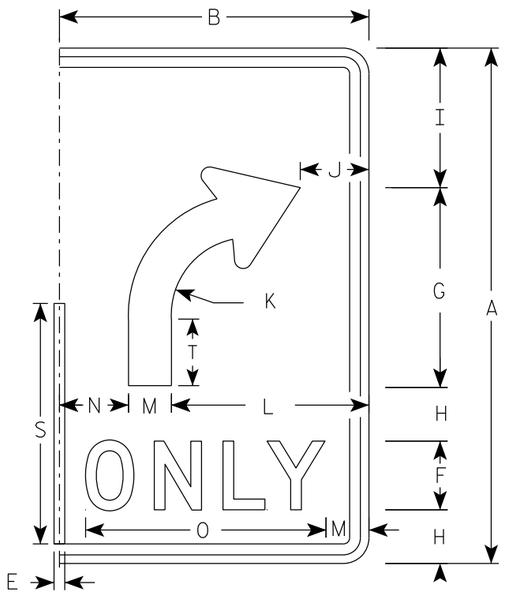
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



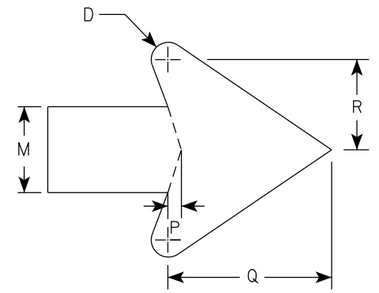
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

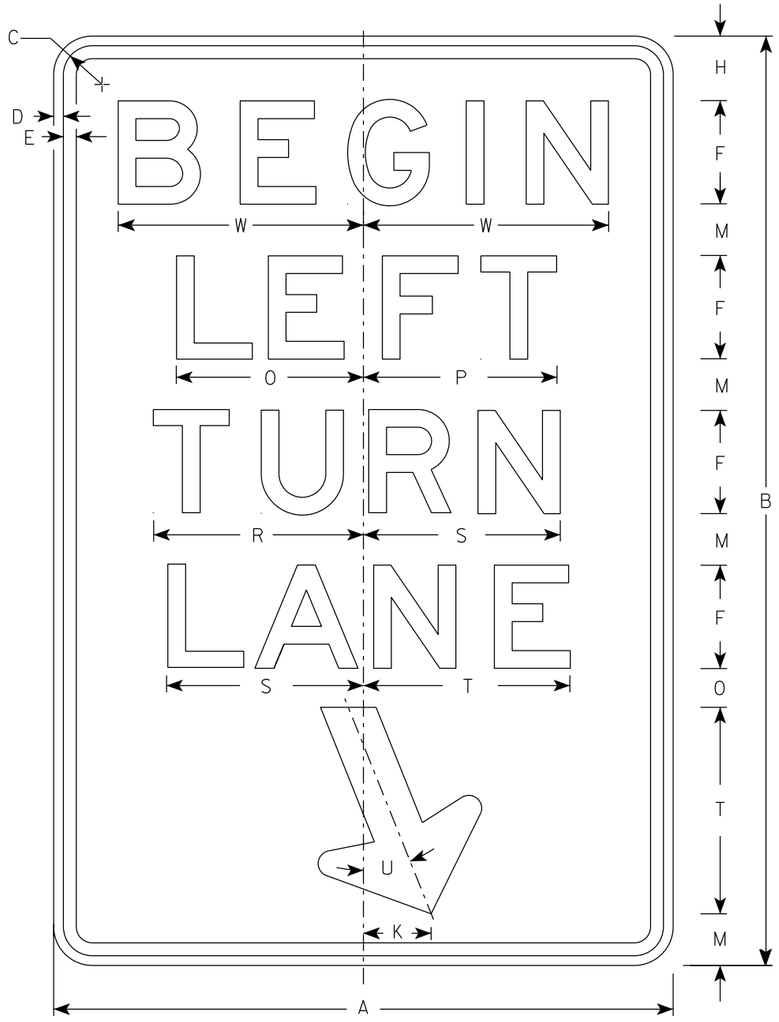
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

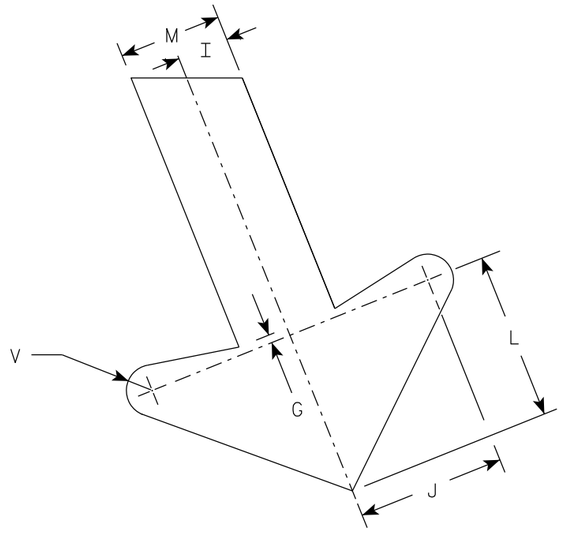
SHEET NO: 887 E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

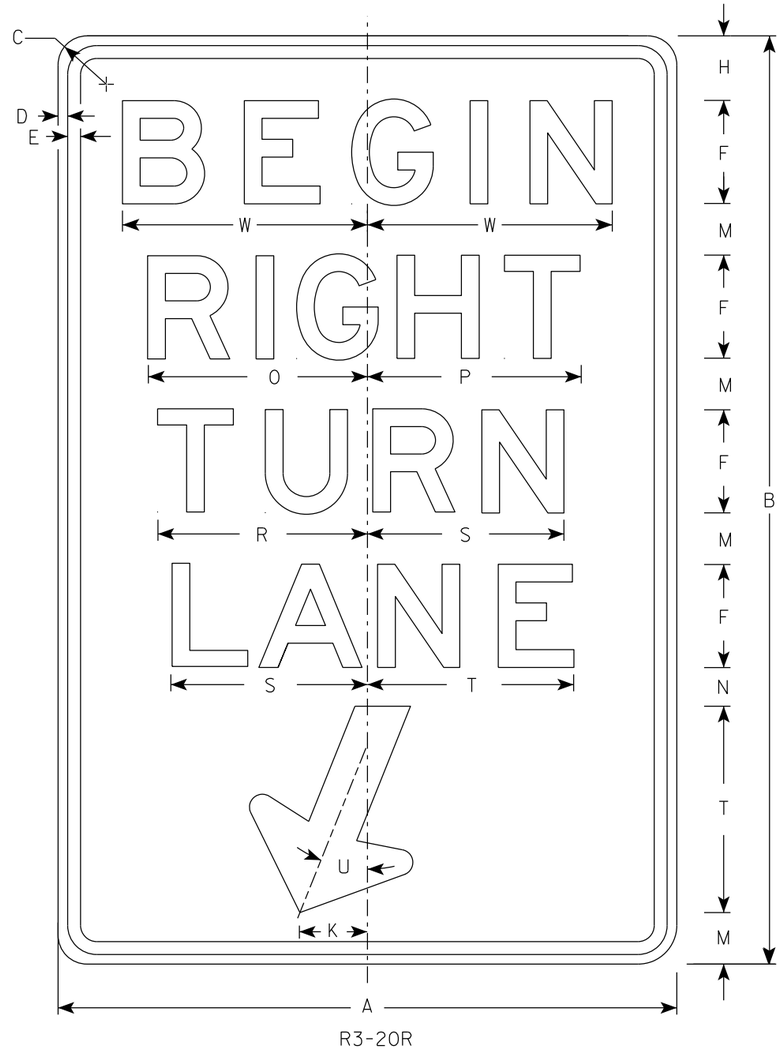
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

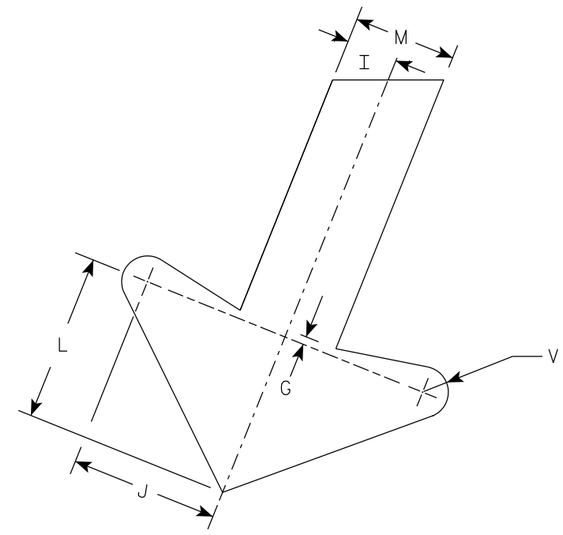
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 888 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

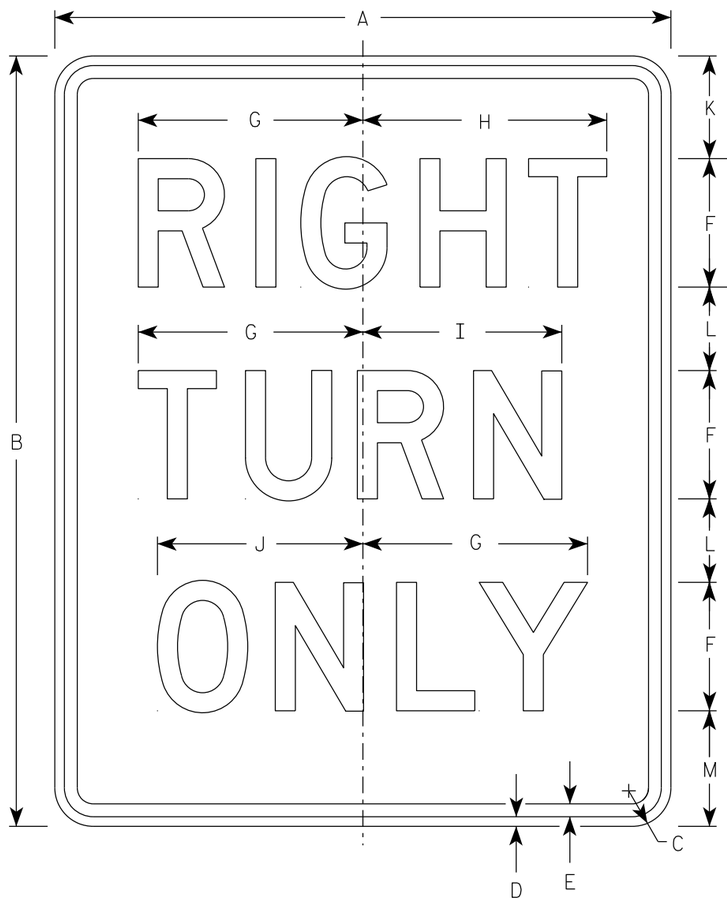
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

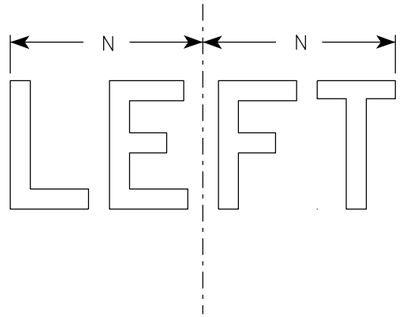
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20R.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 889 | E



R3-53R



R3-53L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R3-53L same as R3-53R except LEFT is substituted for RIGHT

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

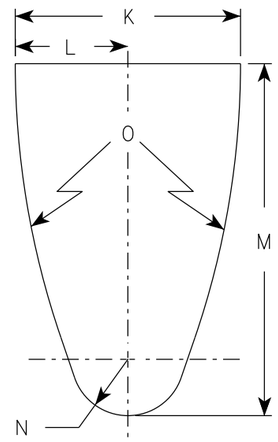
DATE 2/23/23 PLATE NO. R3-53.9

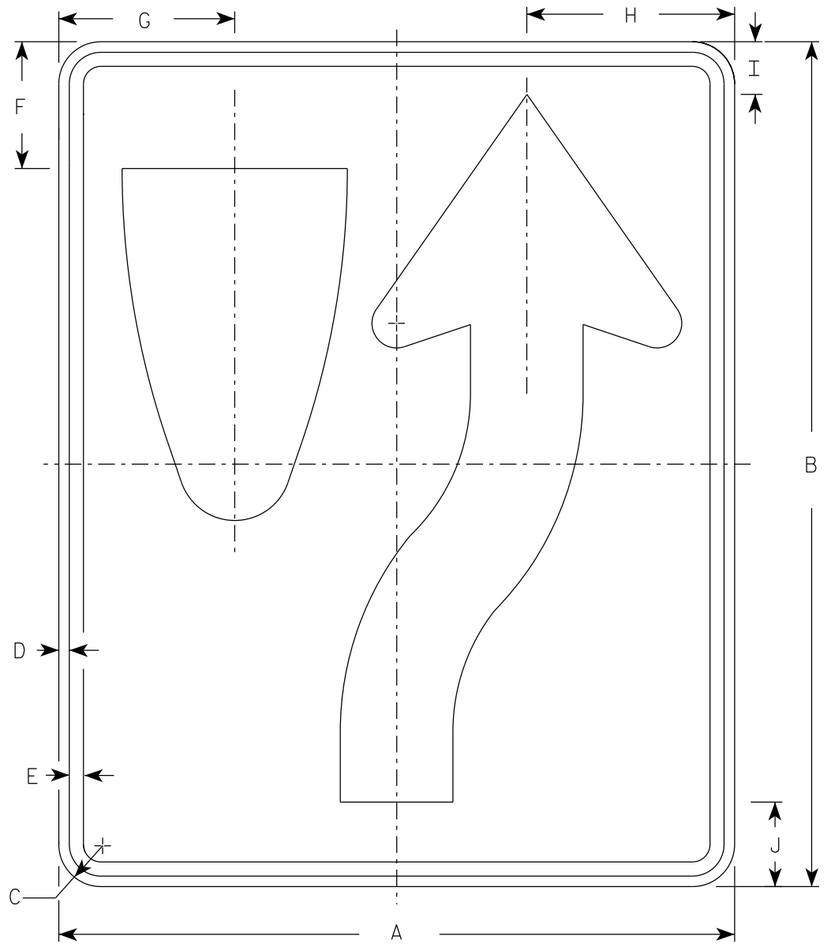
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 890 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

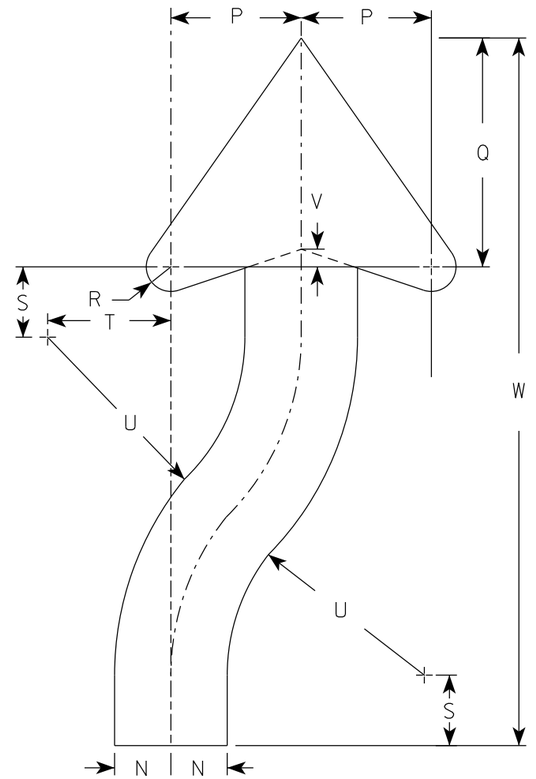
DIVIDER DETAIL





R4-7

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

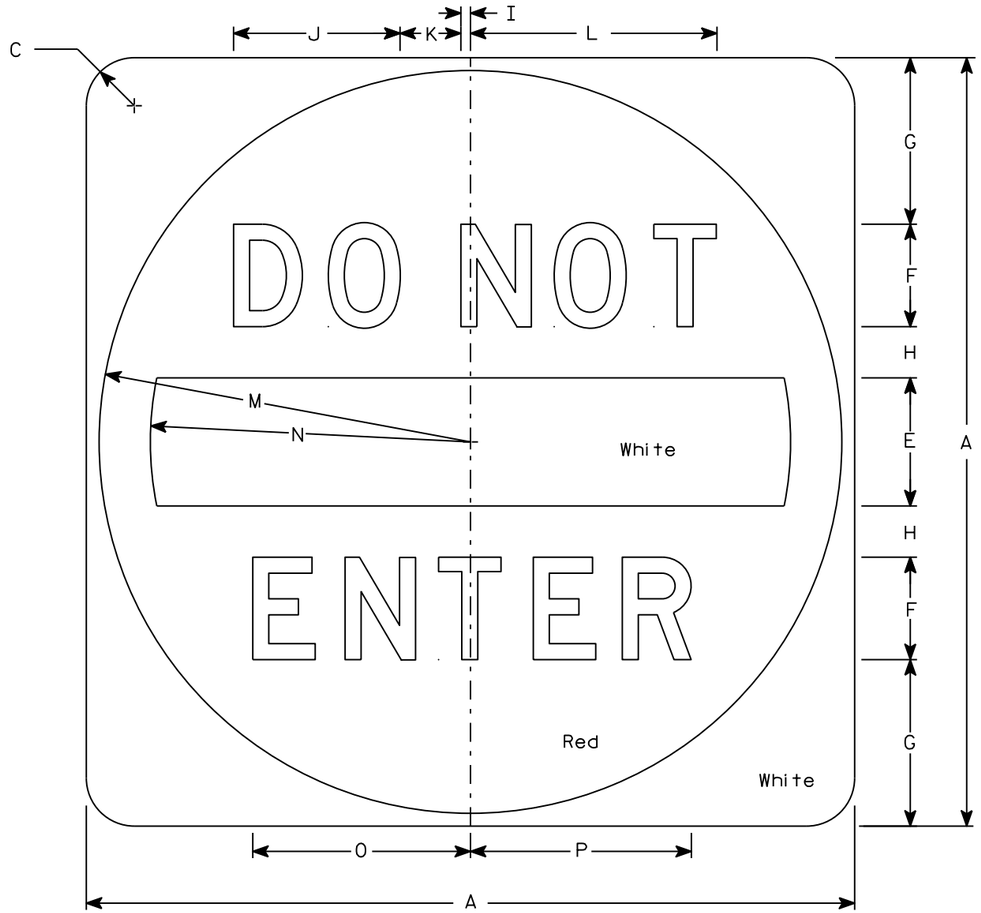
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 891	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

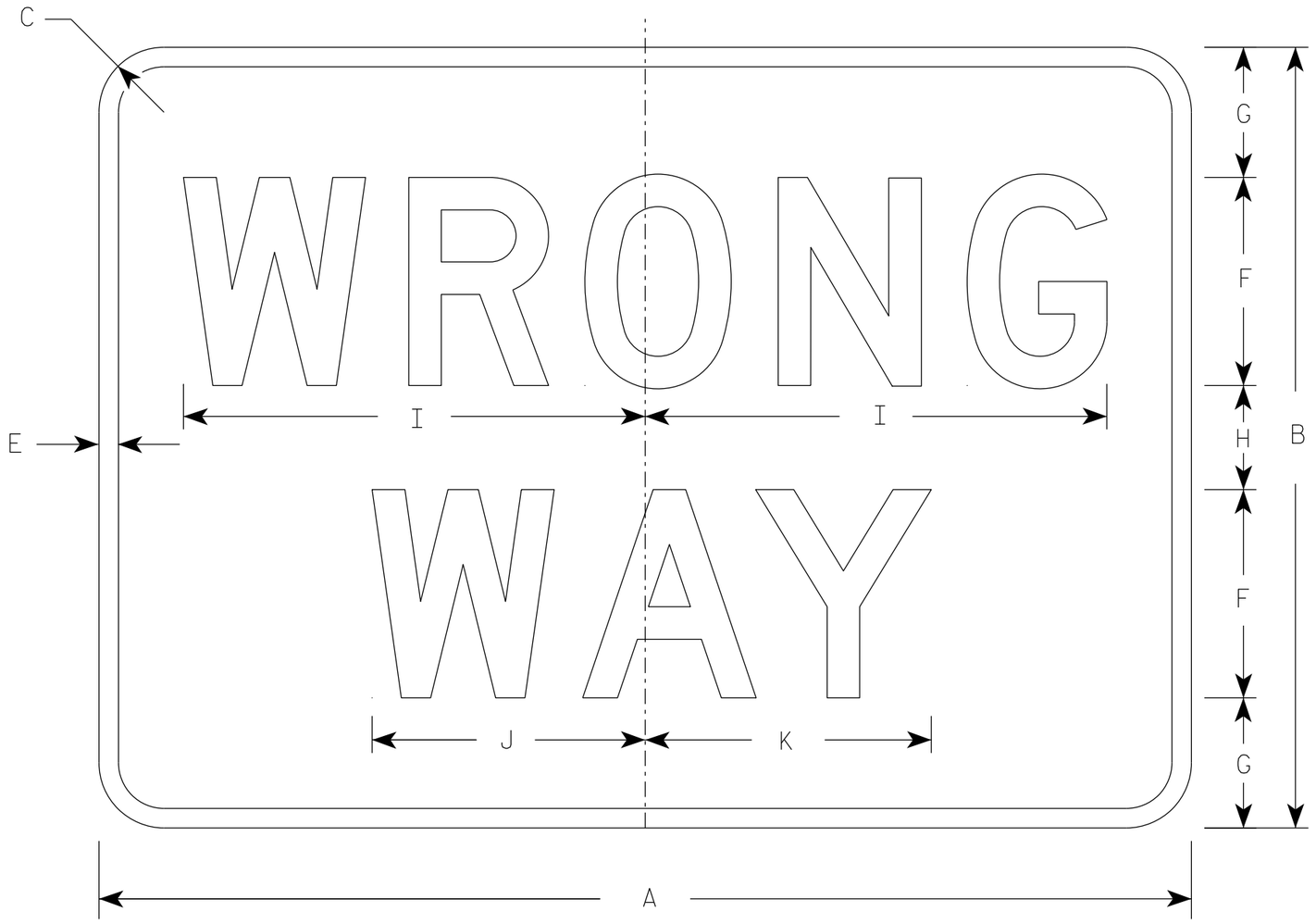
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 892 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

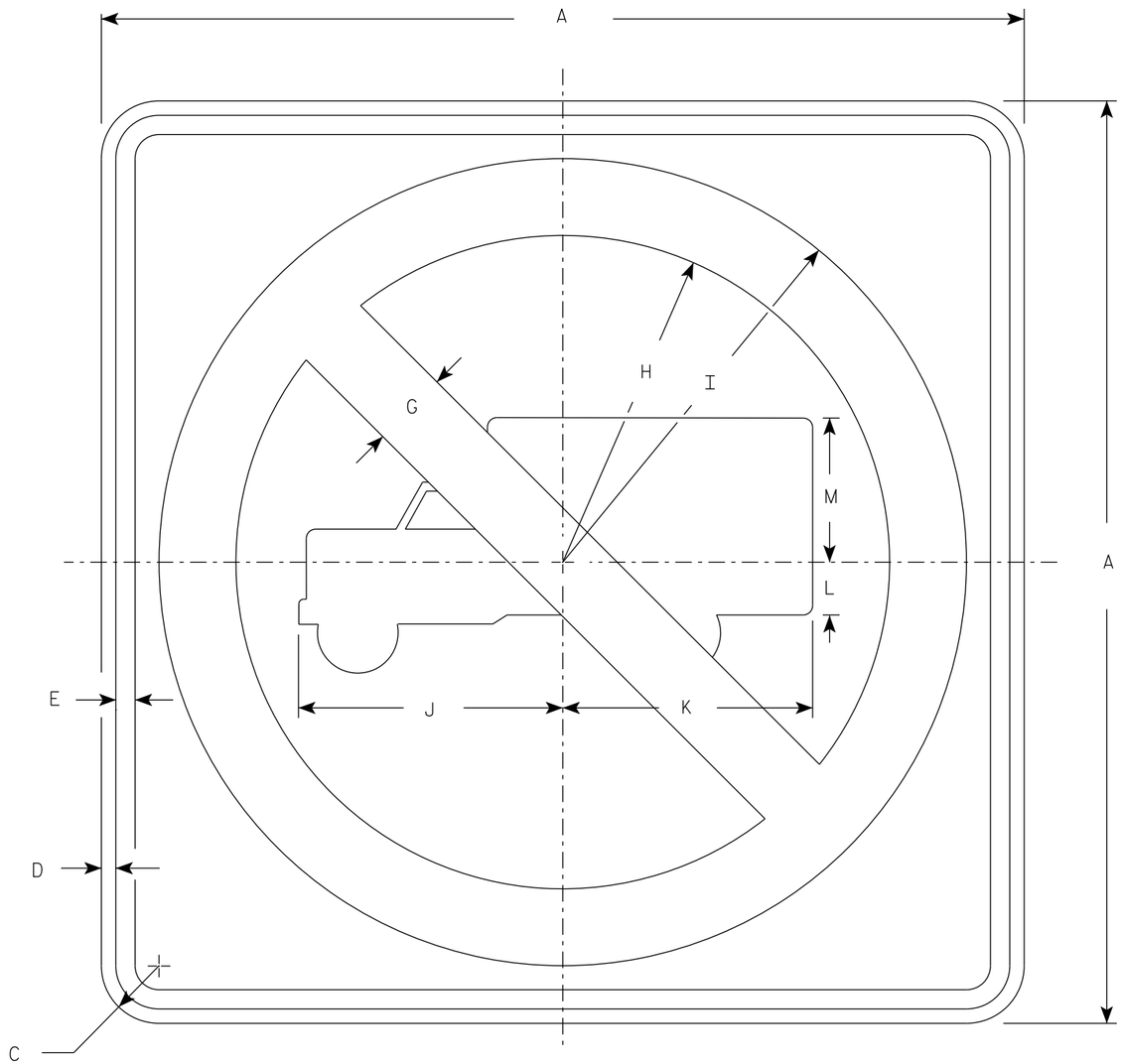
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 893 | E



R5-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See Note 3
3. Circle & Diagonal - Red
   Truck Symbol & Border - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 7/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		2 1/4	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

STANDARD SIGN
R5-2

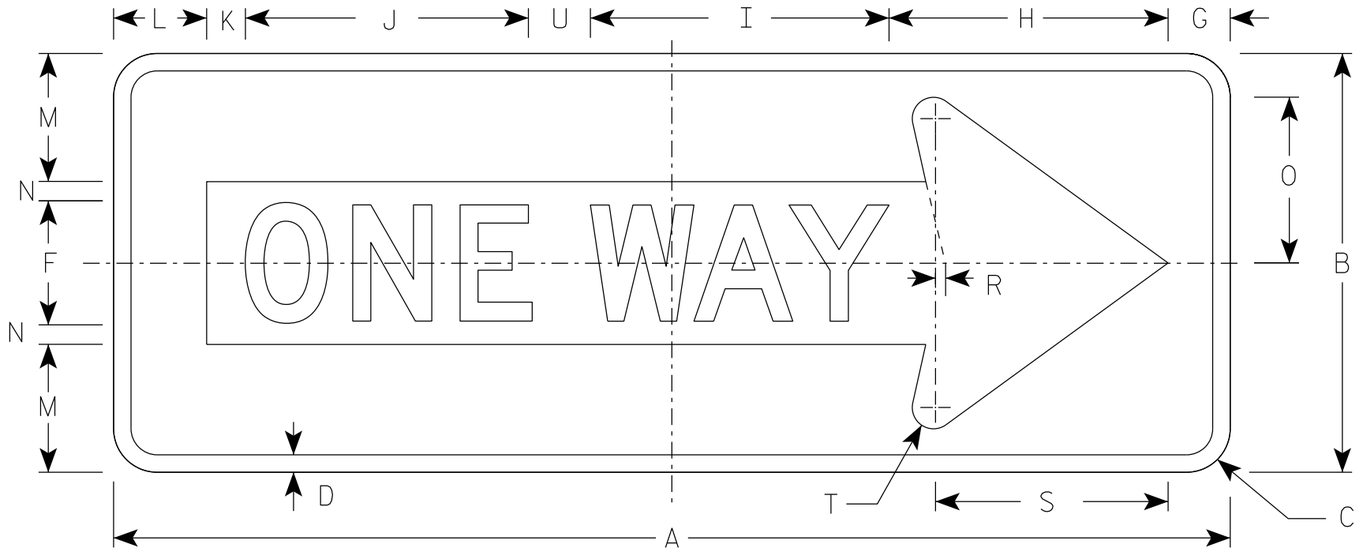
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

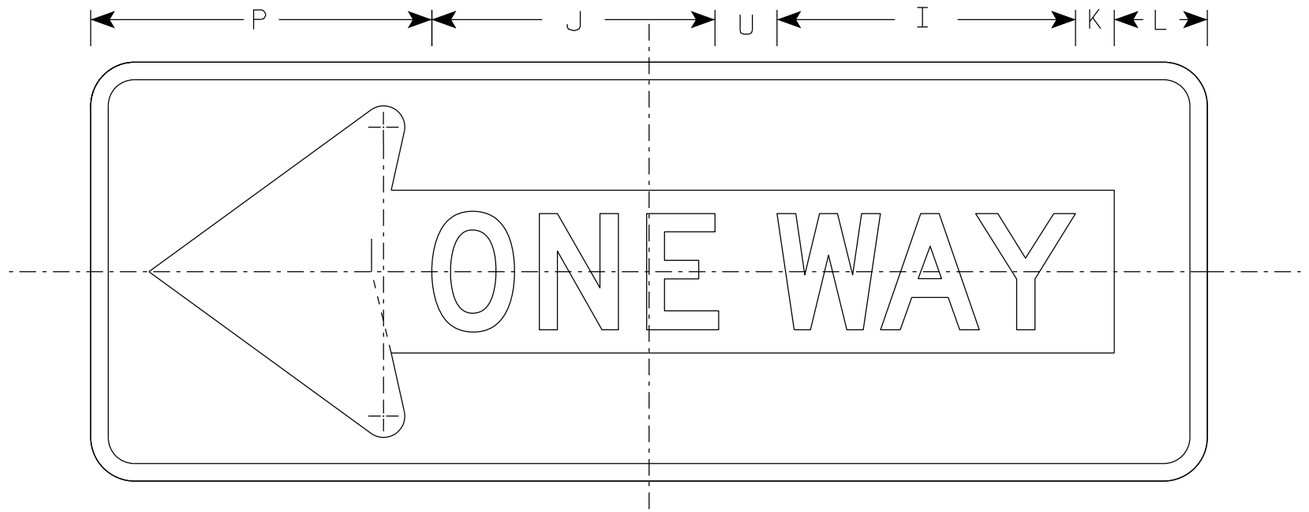
DATE 8/17/23 PLATE NO. R5-2.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 894 | E

7



R6-1R



R6-1L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½	¾	2						3.0
2M	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
3	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
4	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

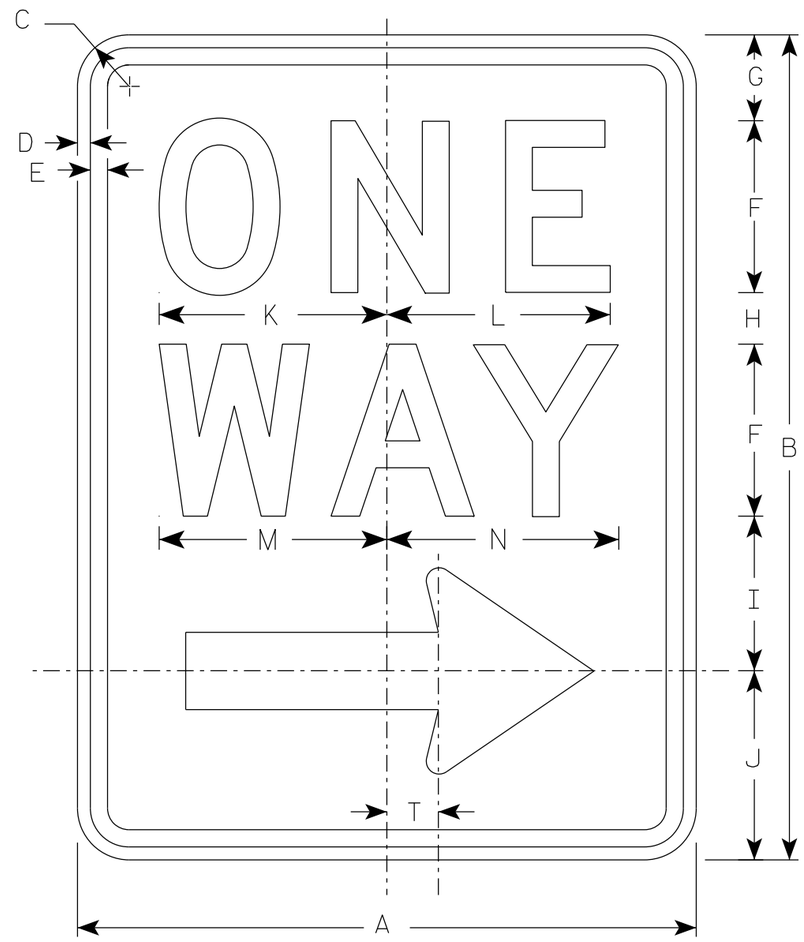
DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

SHEET NO: 895 E

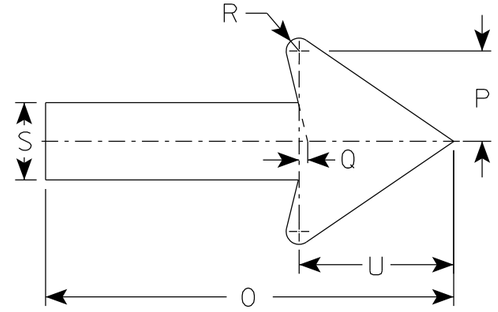
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

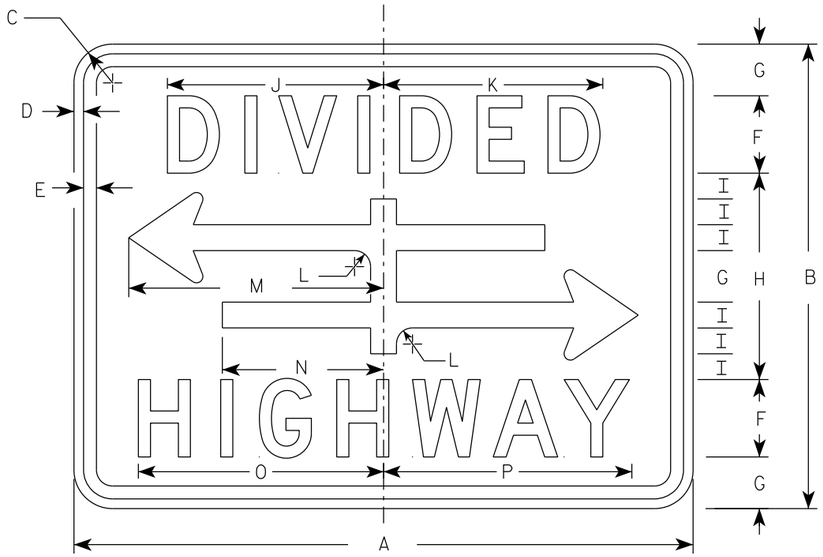
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

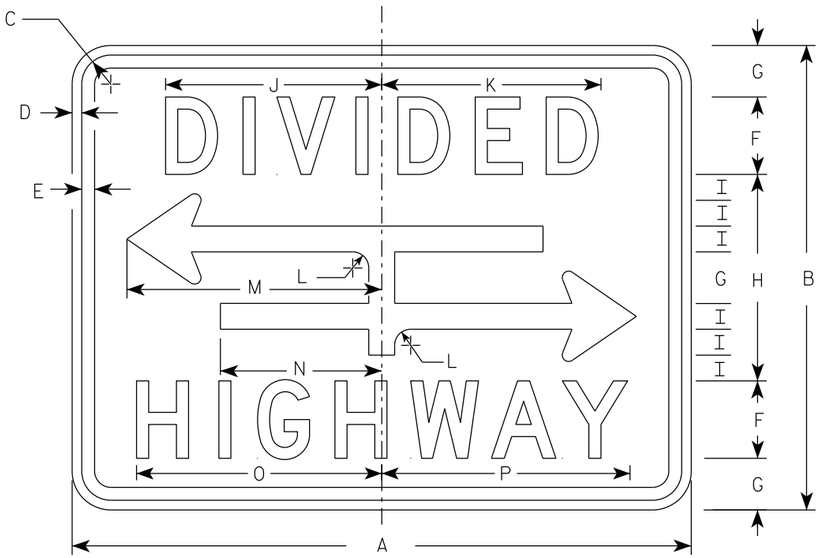
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 896 | E

NOTES

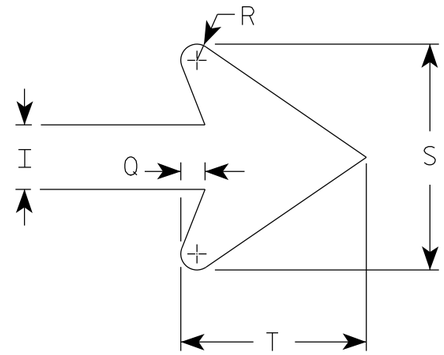
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R6-3



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/2	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/2	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/2	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

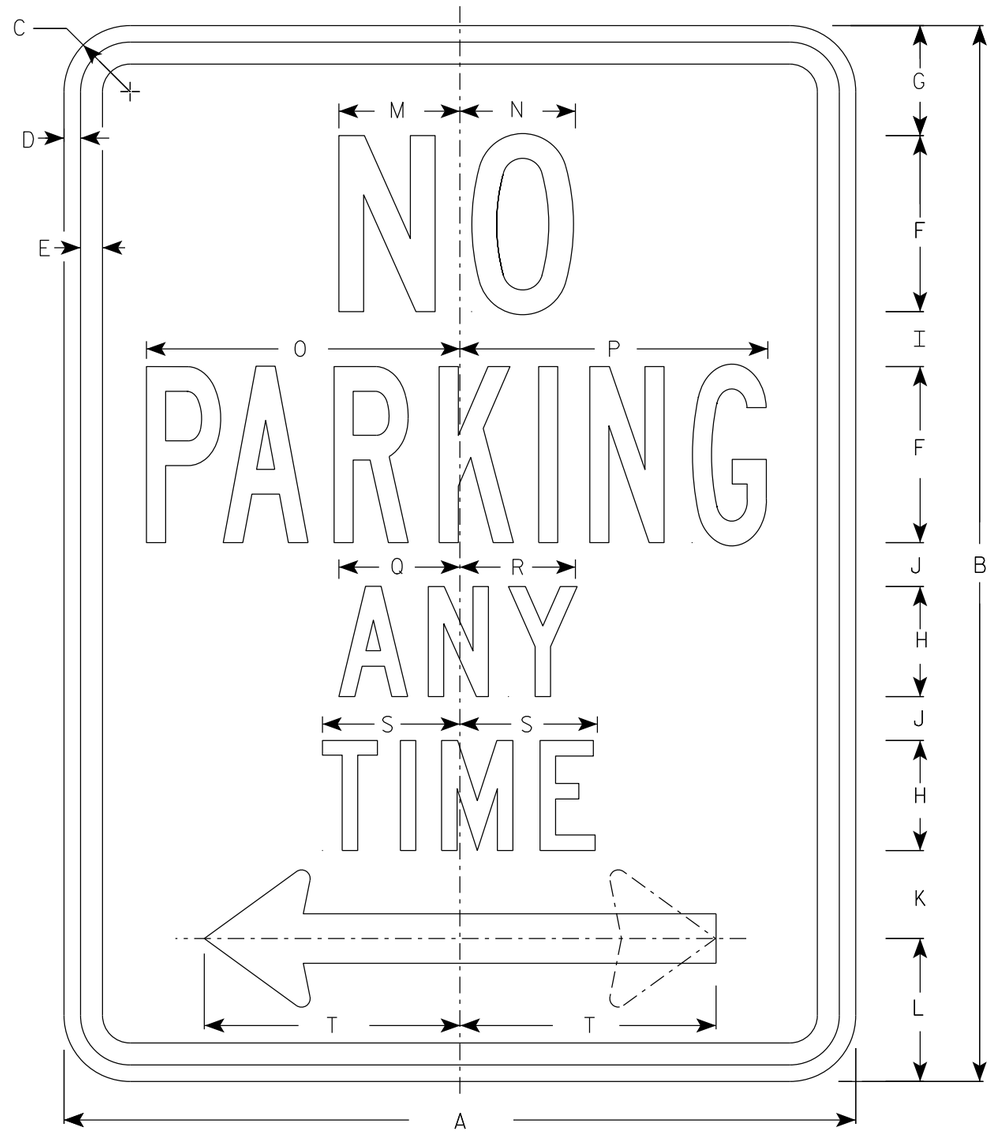
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R6-3.6

PROJECT NO:

SHEET NO: 897 E

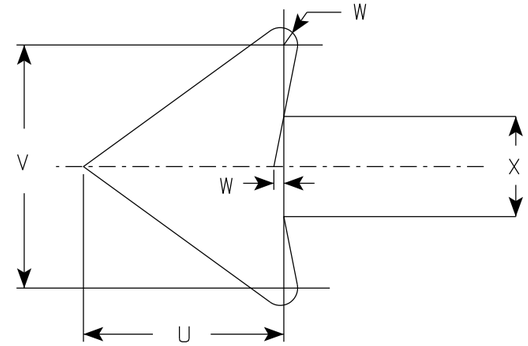


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

STANDARD SIGN
R7-1

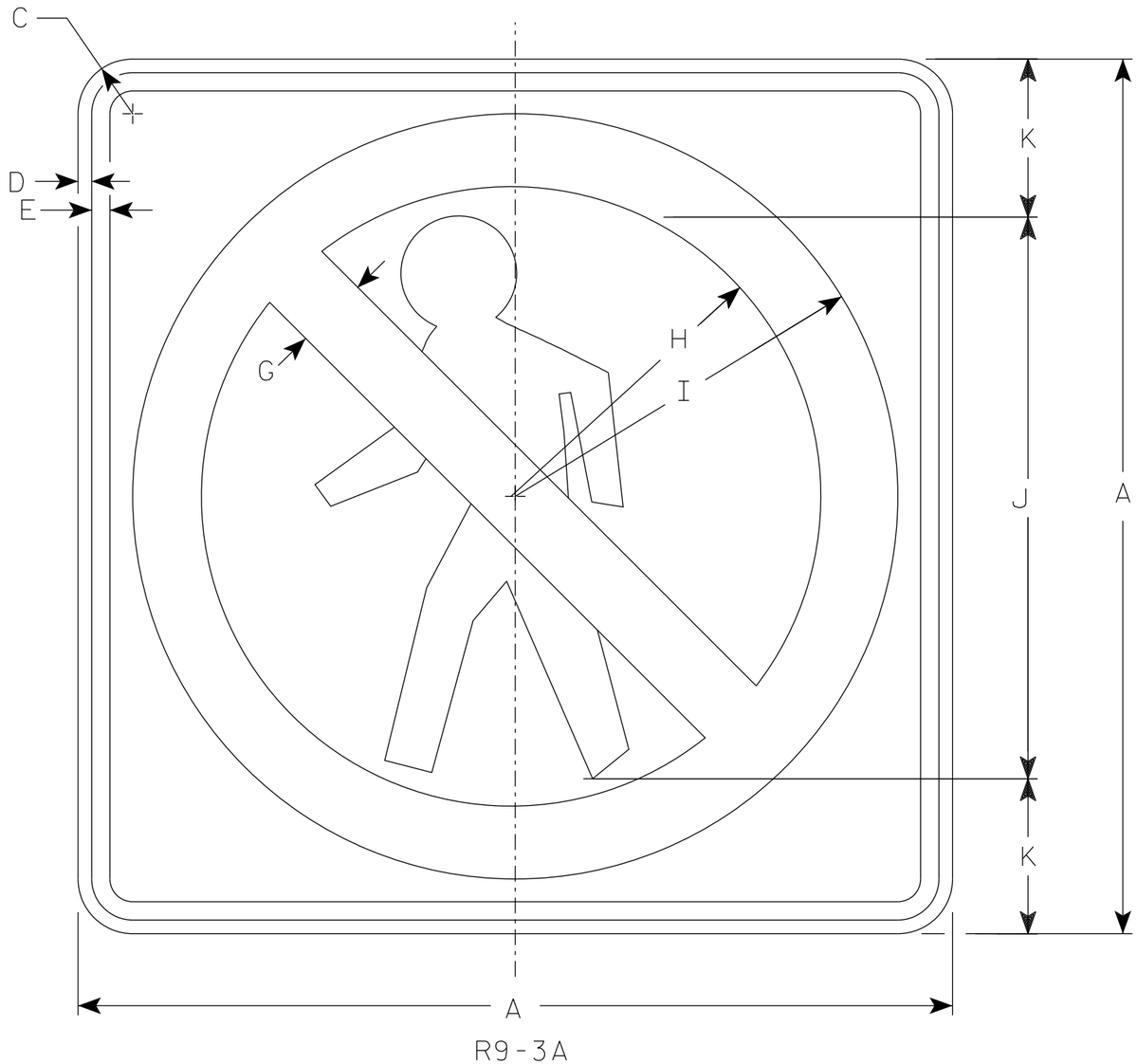
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 898 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.dgn PLOT DATE : 26-OCT 2023 2:48 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



R9-3A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Pedestrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2S	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
3																											
4																											
5																											

STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

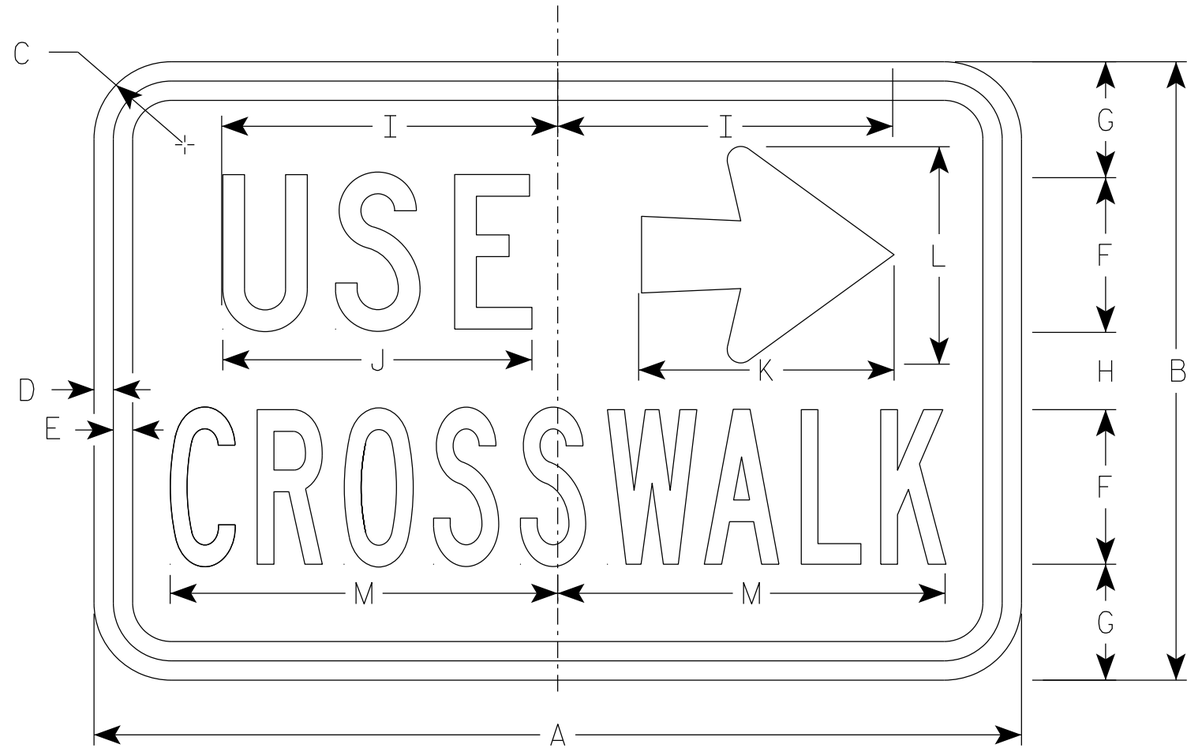
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3A.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 899 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2



R9-3B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

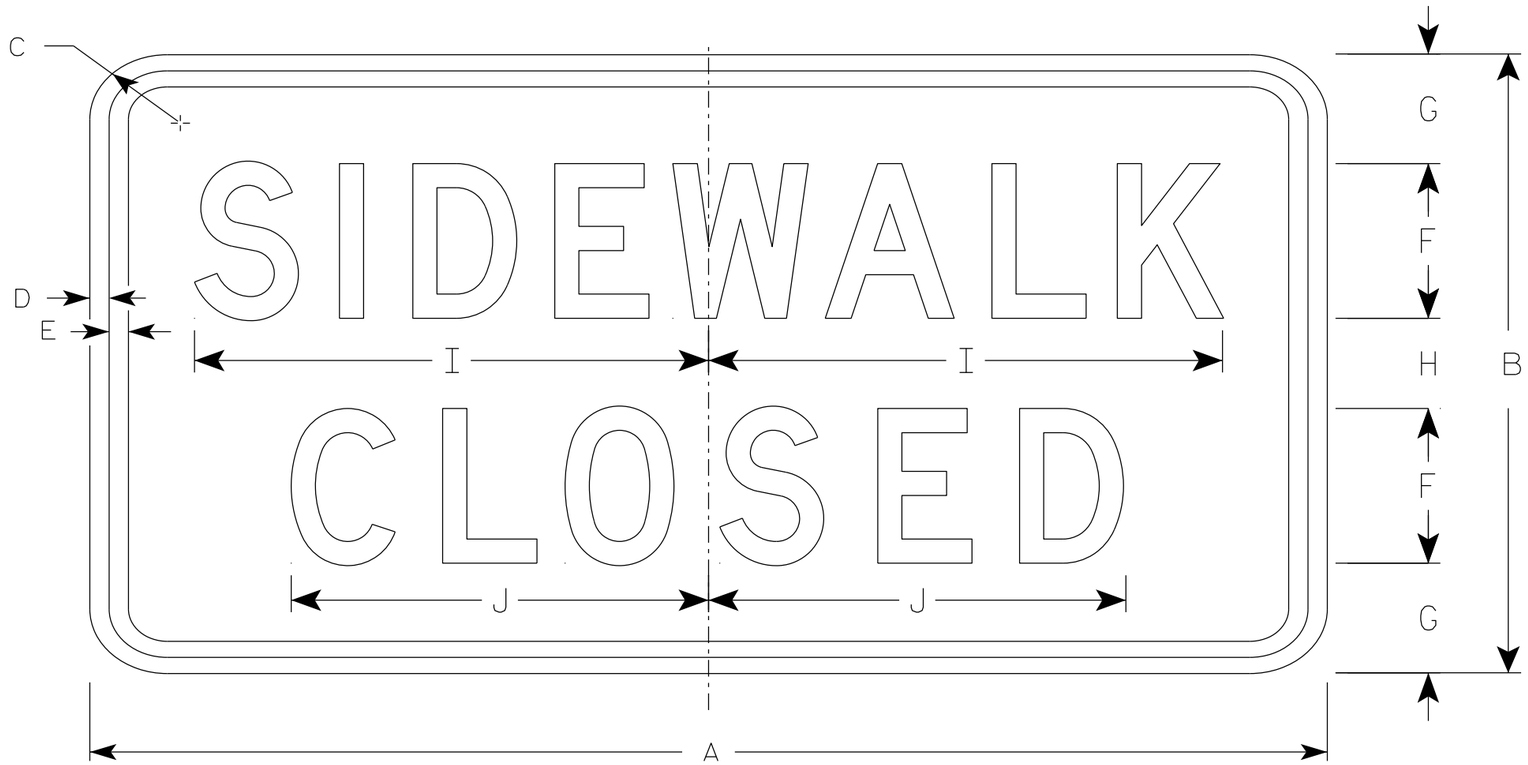
STANDARD SIGN
R9-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3B.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 900 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

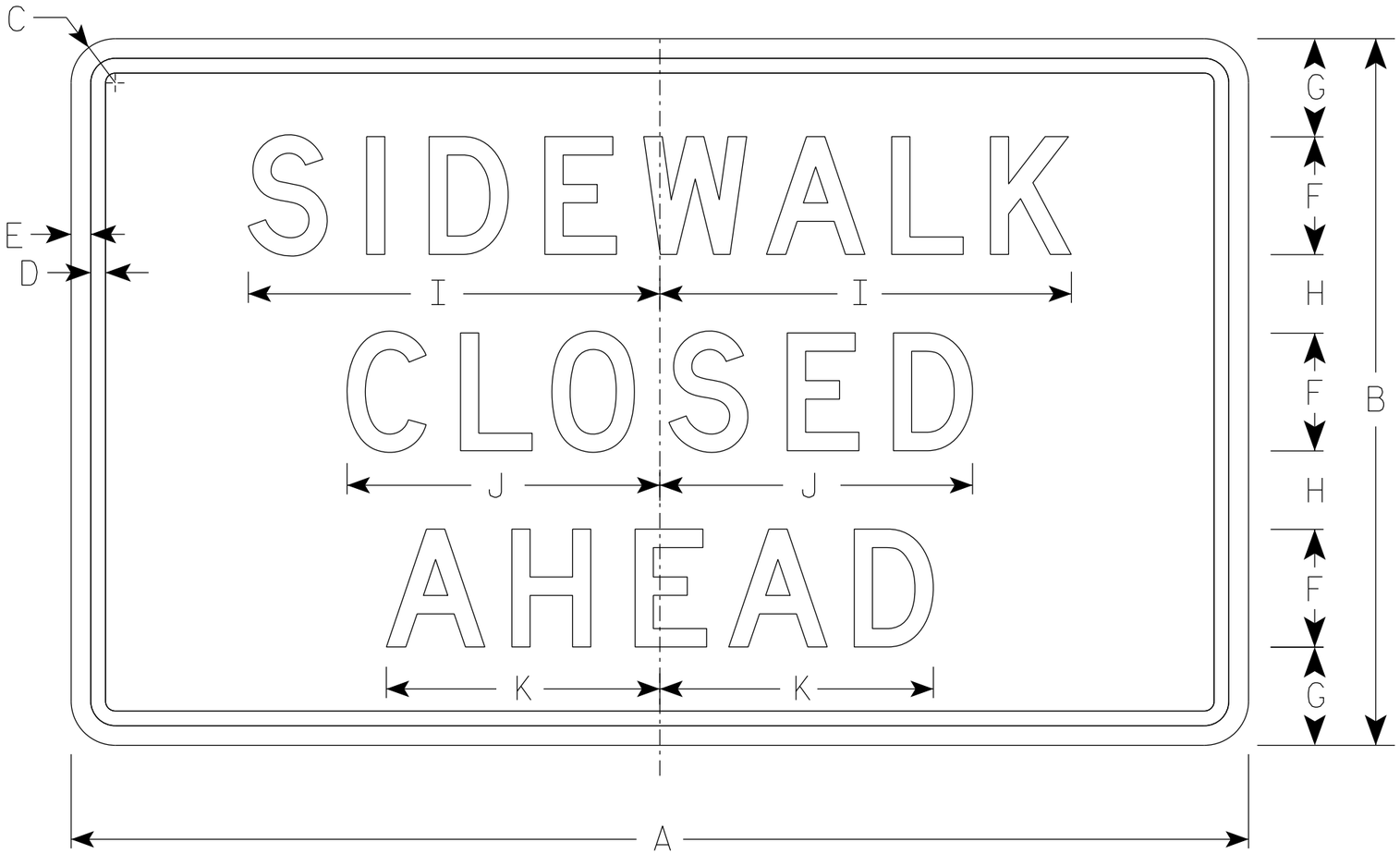
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 901 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R9-9A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
2M	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
3																											
4																											
5																											

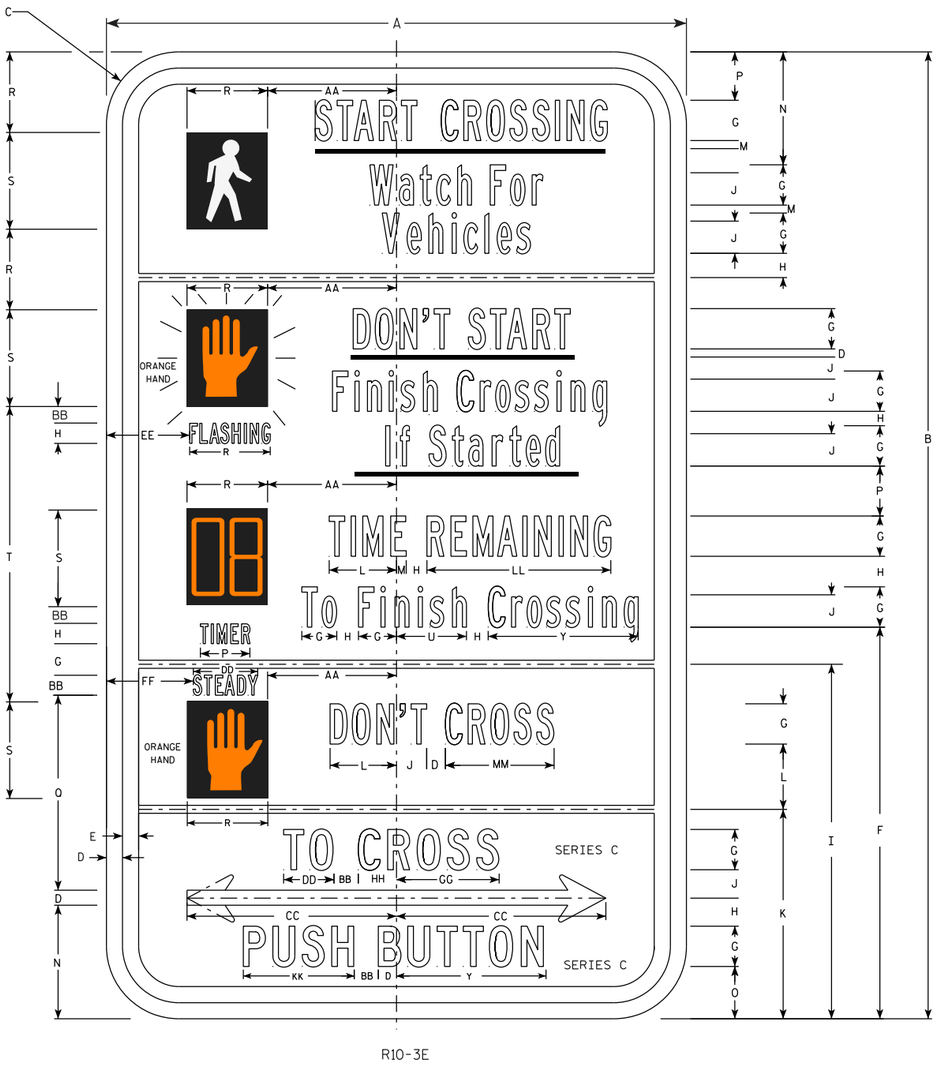
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

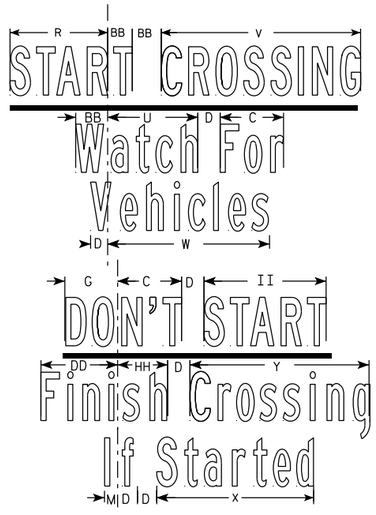
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 902 | E



R10-3E

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK except Hand Symbol which is Orange with black background.
3. Message Series - B or as noted on the sign.
4. R10-3ER (right arrow)
   R10-3EL (left arrow)
   R10-3ED (double arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	6	10	1 1/2	1/8	1/8	4	3/8	1/4	4 1/8	1/4	2 1/8	3/4	1/8	1 1/8	1/2	1/2	2 1/4	7/8	1	3	3/4	1 3/4	1 5/8	1 3/8	1 1/2	5/8	0.42
2S	9	15	1 1/2	1/4	1/4	6 1/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	4 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.94
2M	9	15	1 1/2	1/4	1/4	6 1/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	4 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.94
3																											
4																											

SIZE	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ	Area sq. ft.
1	1 3/8	1/4	2 1/4	1/2	7/8	7/8	1 1/8	3/8	1	1/2	1 1/8	1 7/8	1 1/8														
2S	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4	2 7/8	1 5/8														
2M	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4	2 7/8	1 5/8														
3																											
4																											

STANDARD SIGN
R10-3EL,R,D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-3E.3

PROJECT NO:

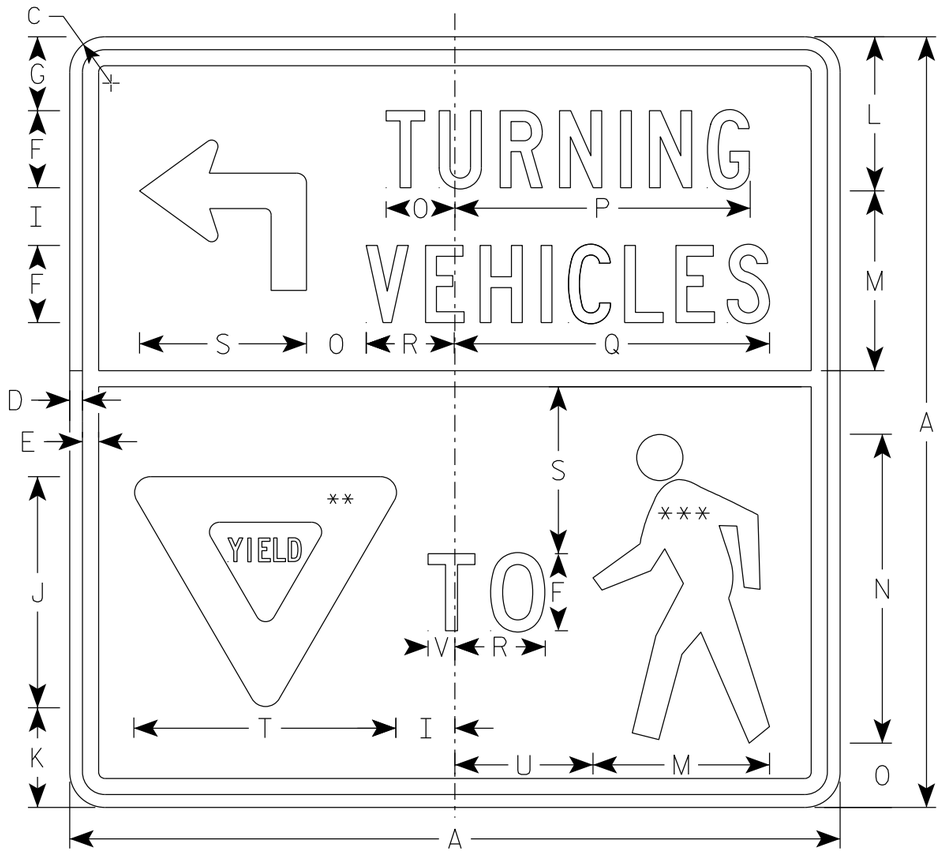
SHEET NO: 903 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R103E.dgn PLOT DATE : 25-JAN 2024 7:24 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

7

7



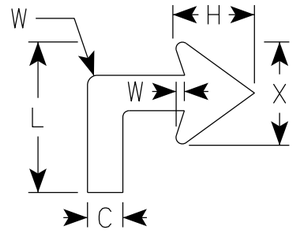
R10-15L

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color:
   - Background - Top Half - Yellow (Type F Reflective)
     Bottom Half - White (Type SH Reflective)
   - Message - Black
   - Yield Symbol - Red on White (Type SH Reflective)
   - Ped Symbol - Black on White (Type SH Reflective)
3. Message Series - C except "TO" Series D

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 7/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4	5 3/8	1	3/8	4			6.25
2M	30		1 7/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 7/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4	5 3/8	1	3/8	4			6.25
3																											
4																											
5																											

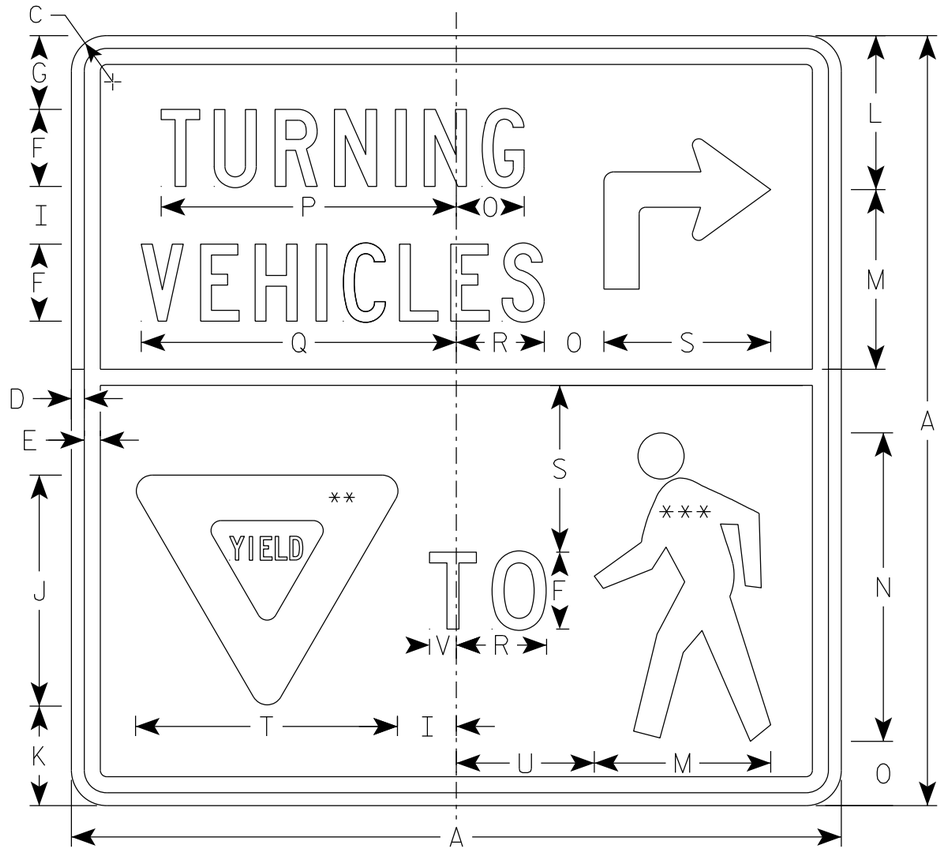
STANDARD SIGN
R10-15L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/24 PLATE NO. R10-15L.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 904 | E



R10-15R

NOTES

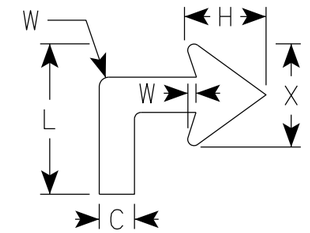
1. Sign is Type II - See Note 2 for Sheeting Type

2. Color:
   Background - Top Half - Yellow (Type F Reflective)
   Bottom Half - White (Type SH Reflective)
   Message - Black
   Yield Symbol - Red on White (Type SH Reflective)
   Ped Symbol - Black on White (Type SH Reflective)

3. Message Series - C except "TO" Series D

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 7/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4	5 3/8	1	3/8	4			6.25
2M	30		1 7/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 7/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4	5 3/8	1	3/8	4			6.25
3																											
4																											
5																											

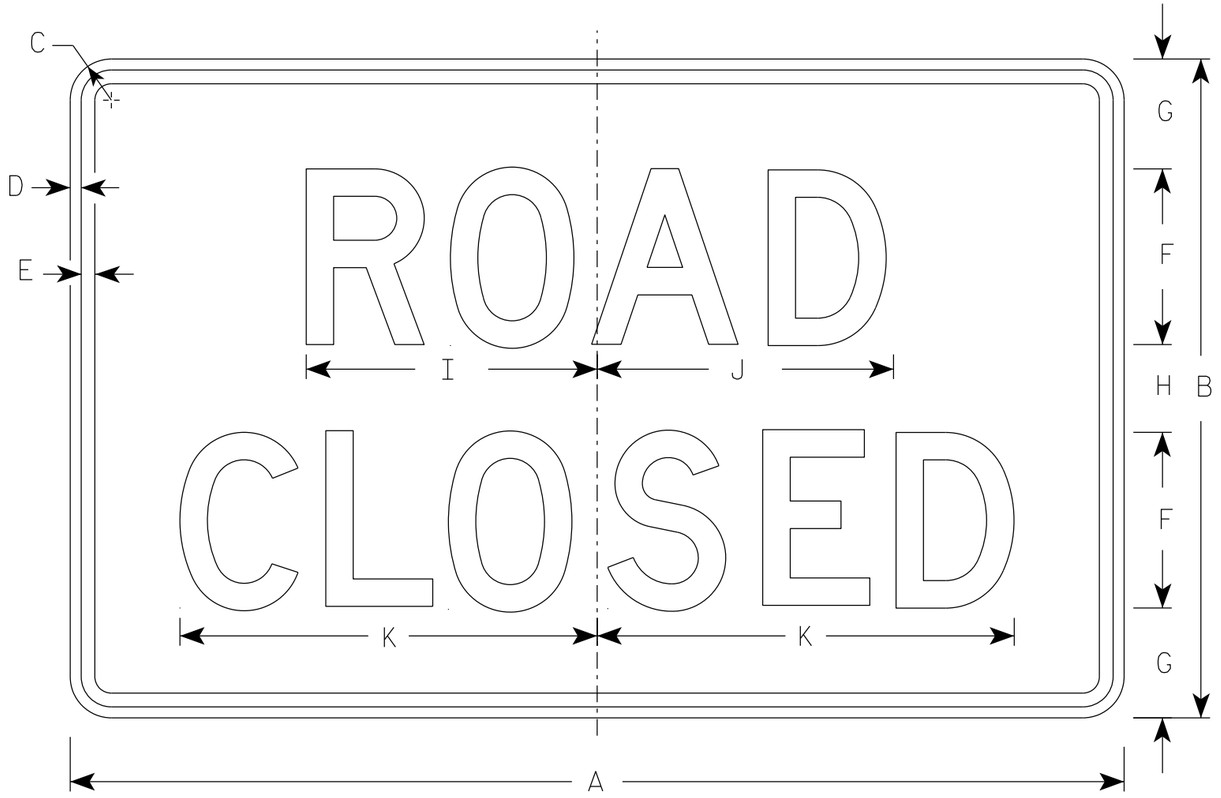
STANDARD SIGN
R10-15R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/24 PLATE NO. R10-15R.3

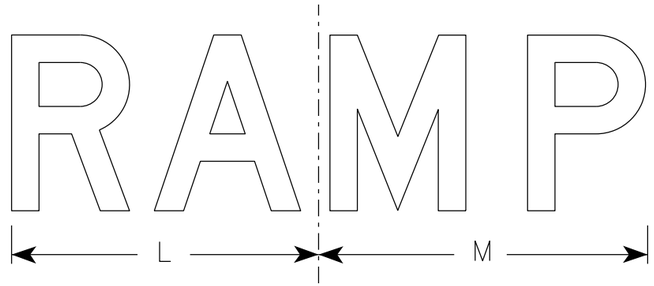
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 905	E



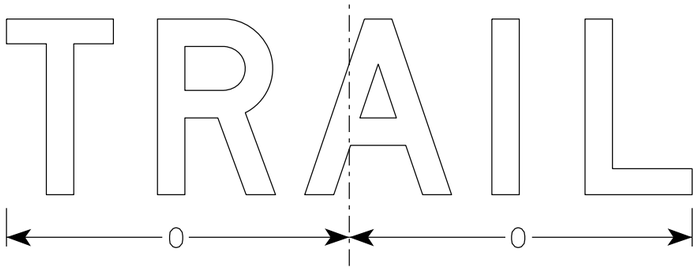
R11-2

NOTES

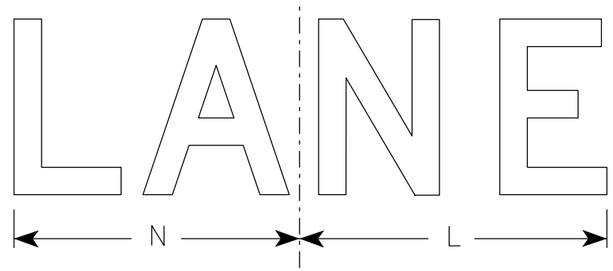
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

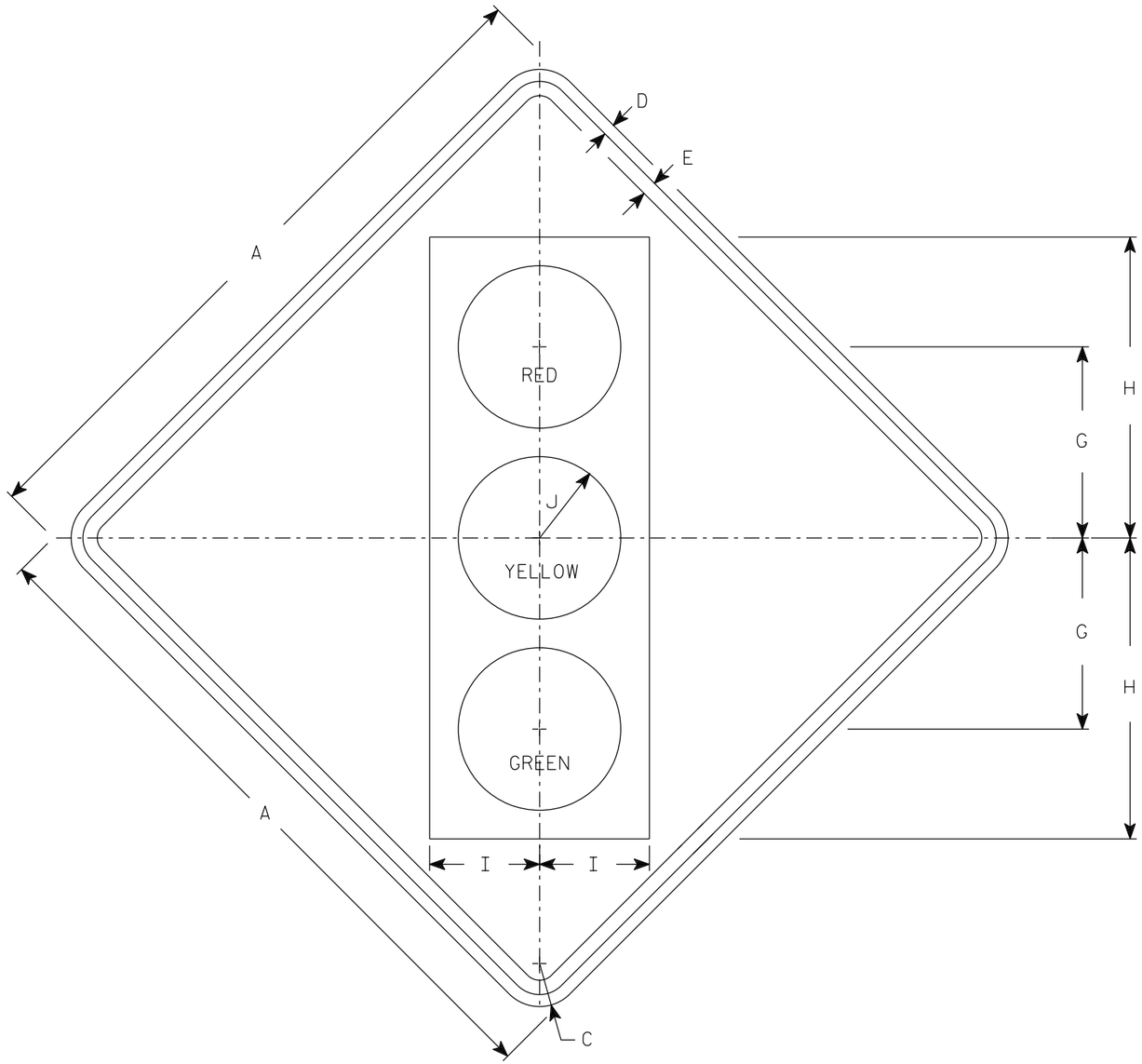
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7



W3-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - See Note 3
3. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0

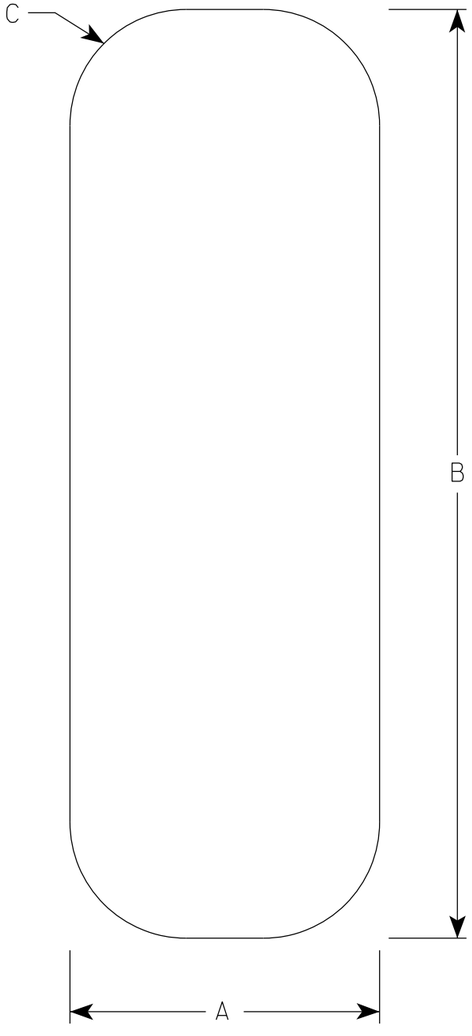
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/2023 PLATE NO. W3-3.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 907	E



W5-53

NOTES

1. Sign is Type II -Type F Reflective
2. Color:
   Background - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	6	12	1 ½																								.5
2M	6	12	1 ½																								.5
3																											
4																											
5																											

STANDARD SIGN
W5-53

WISCONSIN DEPT OF TRANSPORTATION

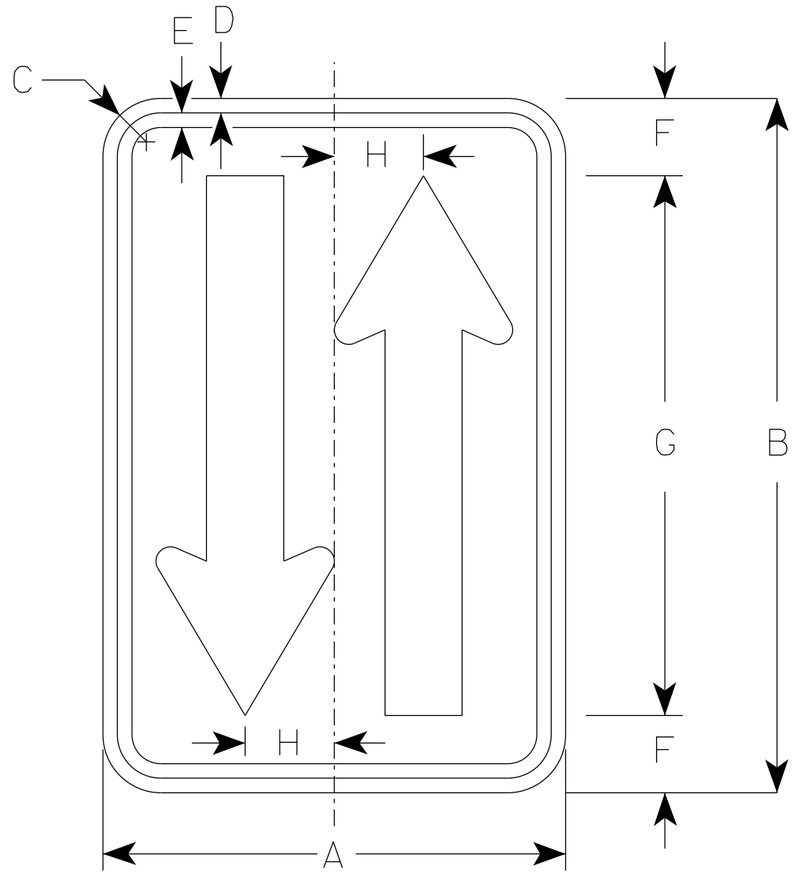
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/4/2024 PLATE NO. W5-53.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 908 E

7

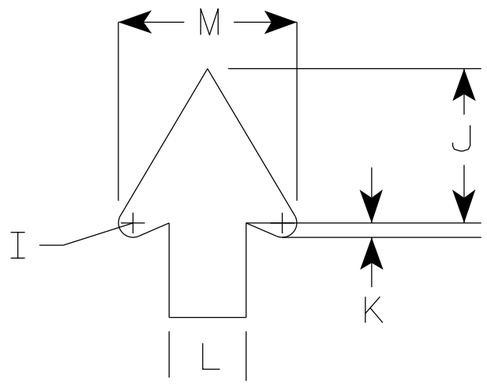
7



W6-4

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/2	3/8	3/8	2	14	2 1/4	3/8	4	1/8	2	4 5/8														1.5
2M	12	18	1 1/2	3/8	3/8	2	14	2 1/4	3/8	4	1/8	2	4 5/8														1.5
3																											
4																											
5																											

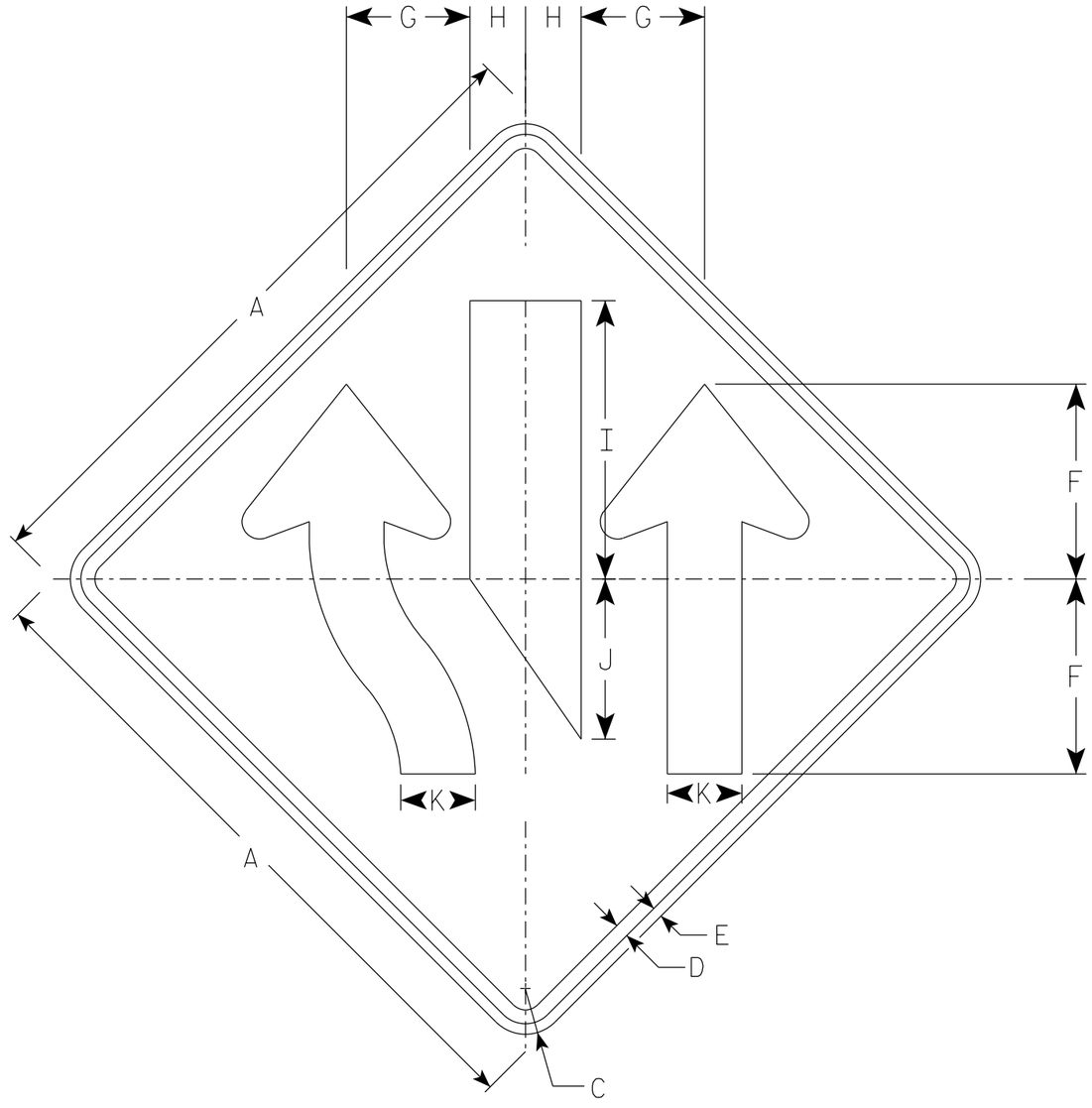
STANDARD SIGN
W6-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/6/2023 PLATE NO. W6-4.2

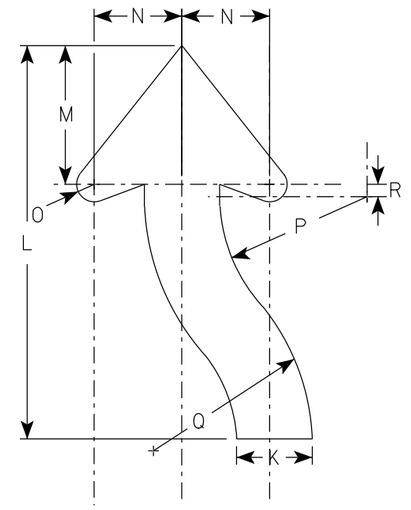
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 909	E



W9-3A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		2 1/4	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9.0
2M	36		2 1/4	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9.0
3	48		3	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16.0
4	48		3	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16.0
5	48		3	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16.0

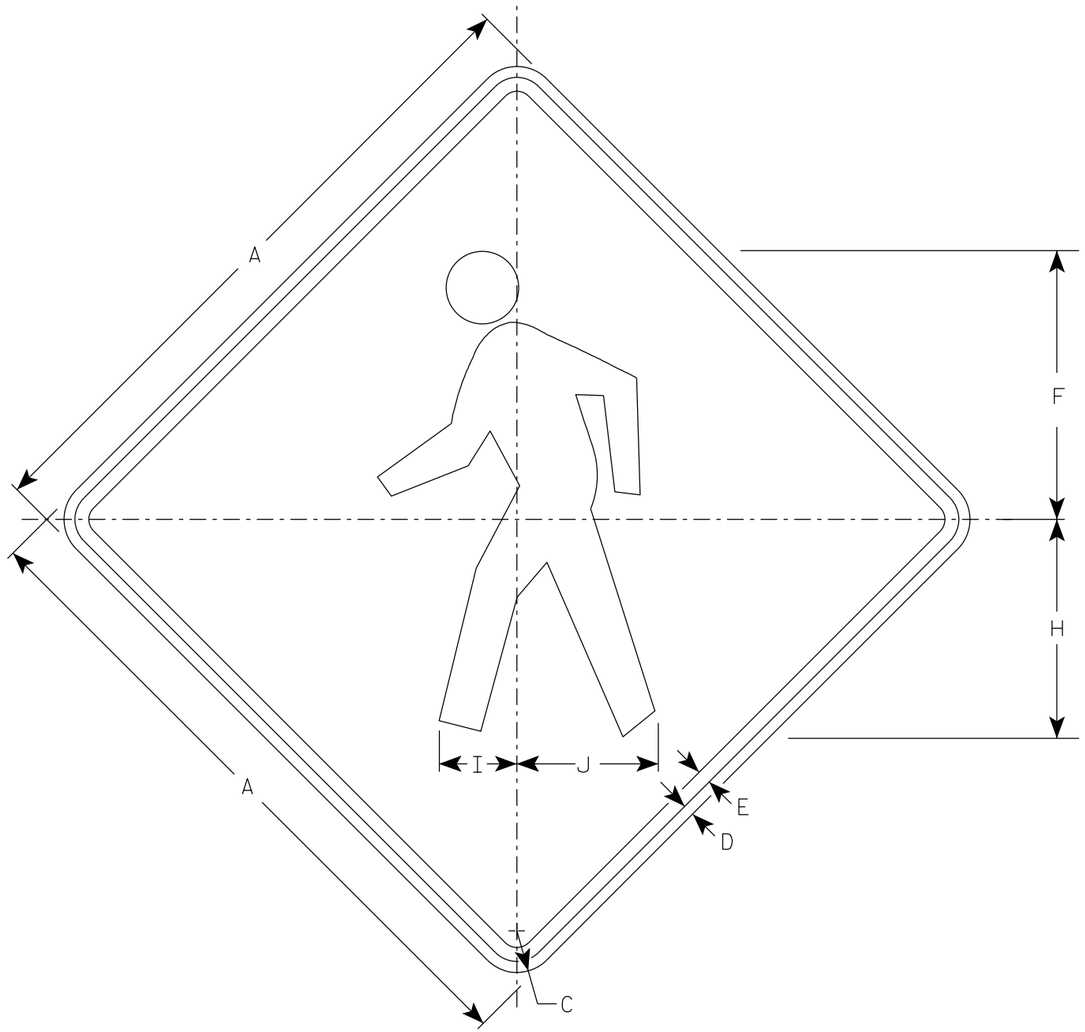
STANDARD SIGN
W9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/13/2023 PLATE NO. W9-3A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 910 E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 7/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

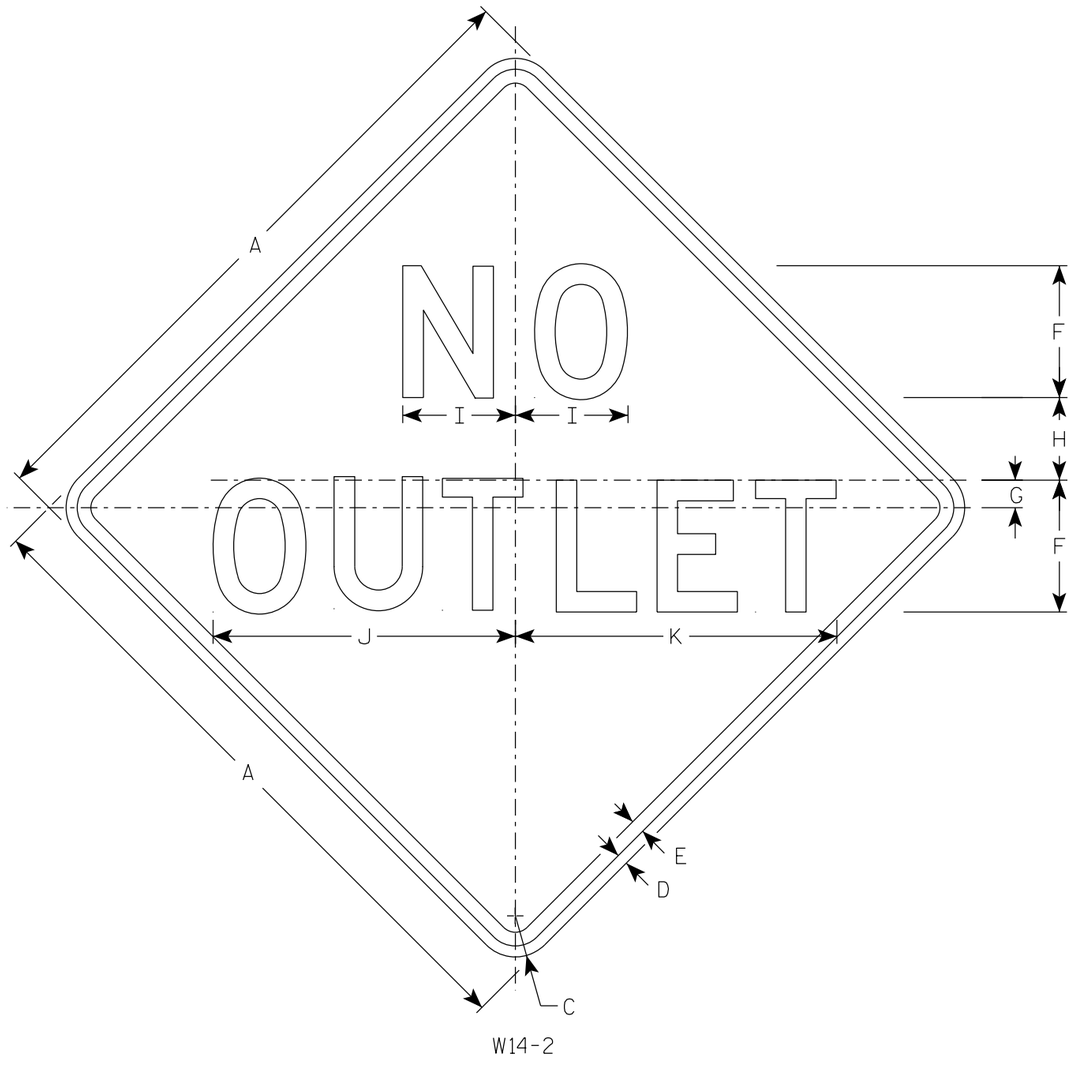
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/15/2023 PLATE NO. W11-2.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 911 E



W14-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 7/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 7/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		2 1/4	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

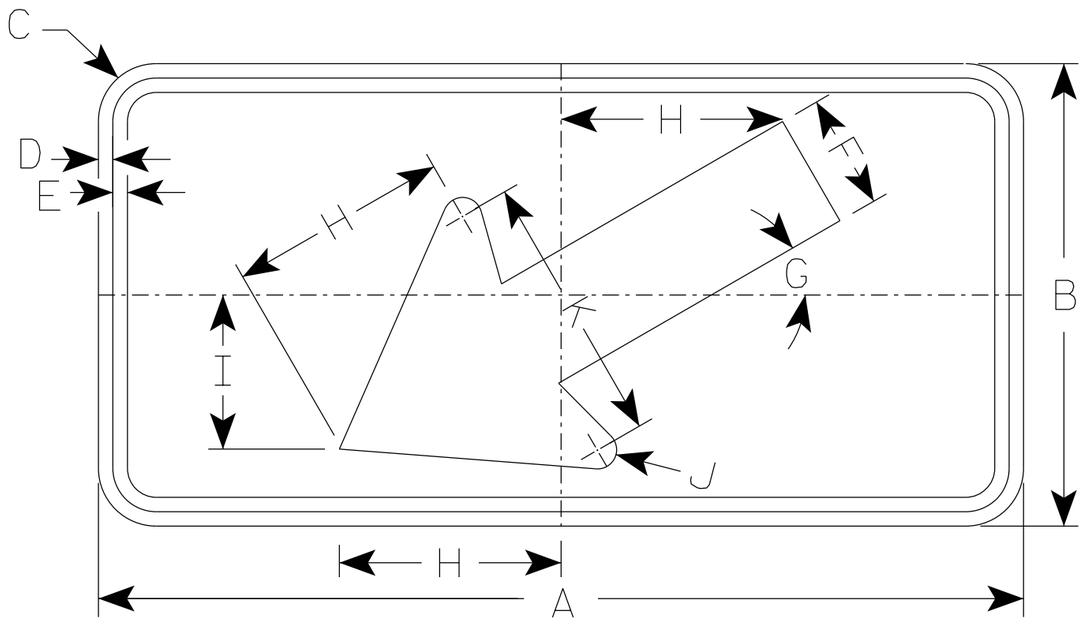
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/8/2024 PLATE NO. W14-2.4

PROJECT NO:

SHEET NO: 912 E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1																											
	2S	24	12	1 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
*	2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

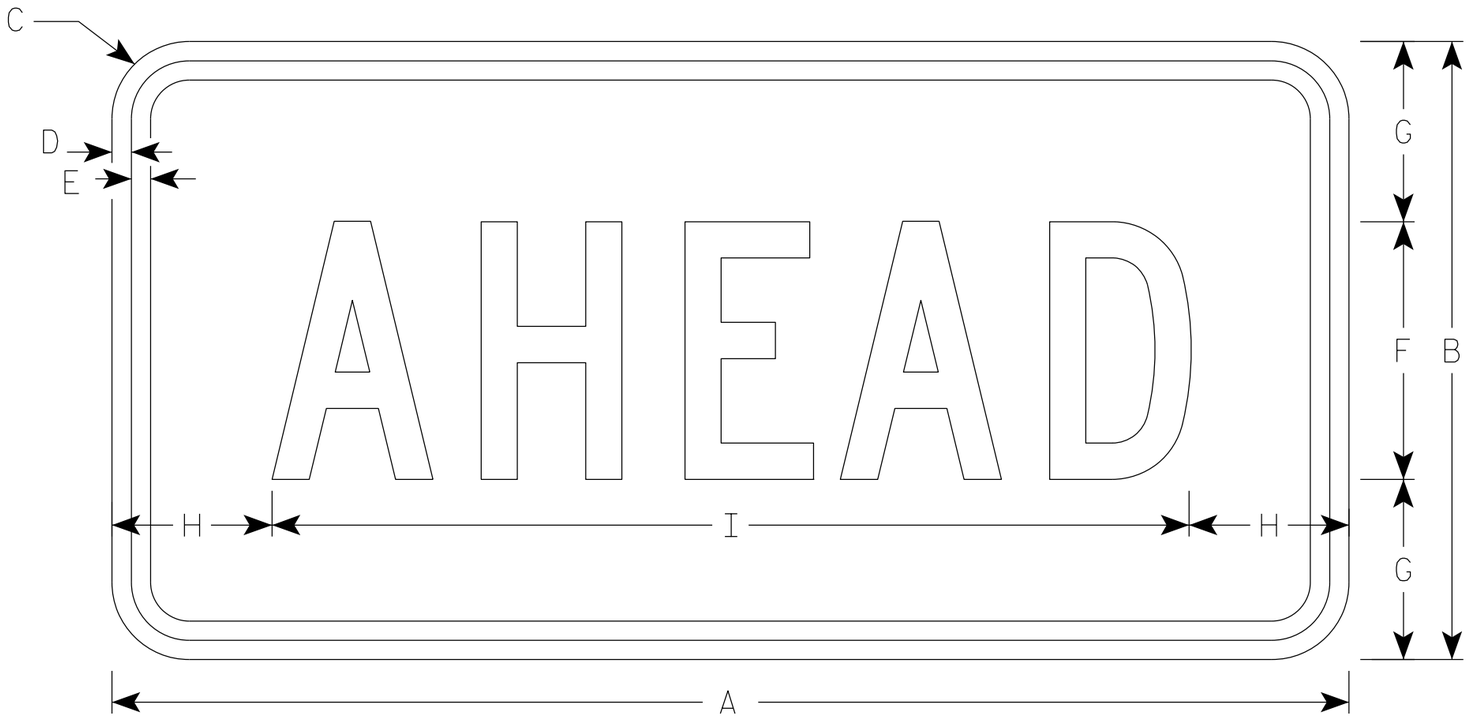
DATE 1/9/2024 PLATE NO. W16-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 913 E

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



W16-9P

* For 36" x 36" Warning Signs, use 30" x 18" W16-9P signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-9P signs.

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1																											
	2S	24	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
*	2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
*	3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
*	4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
	5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

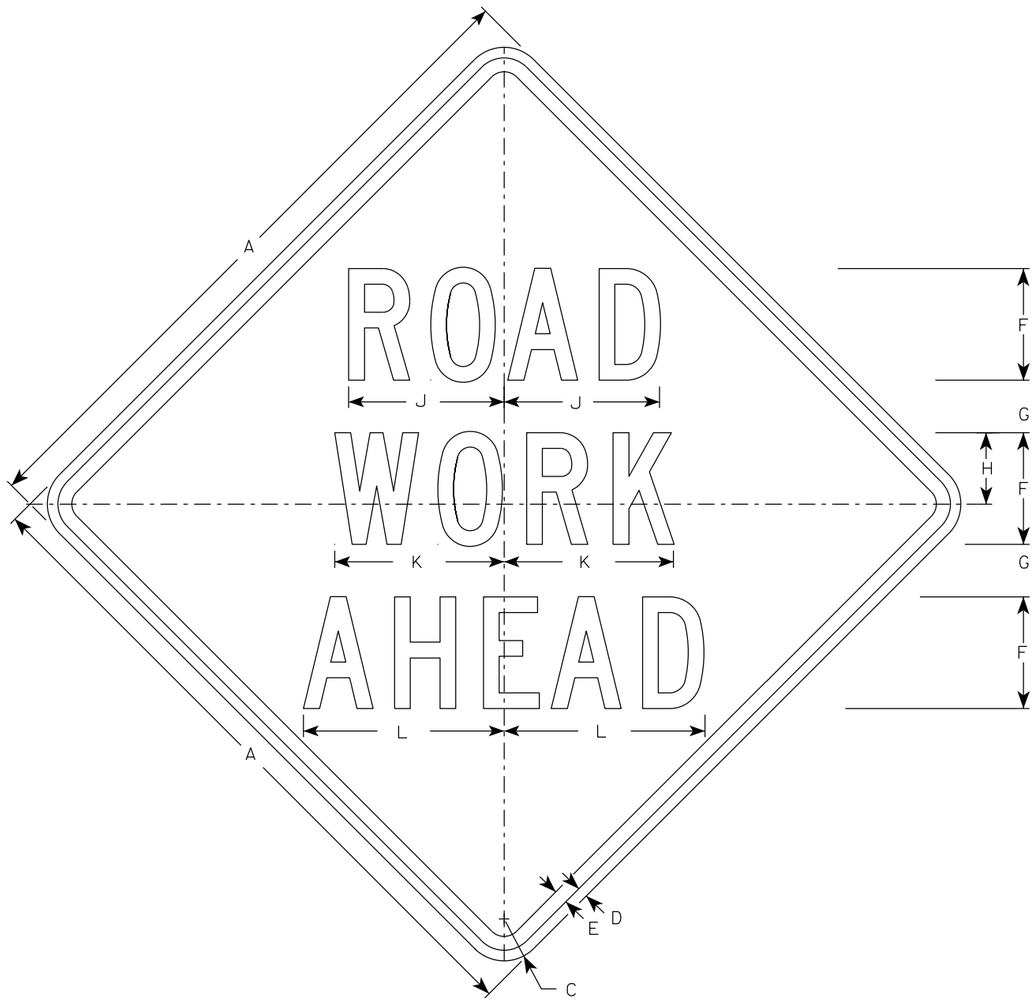
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-9P.9

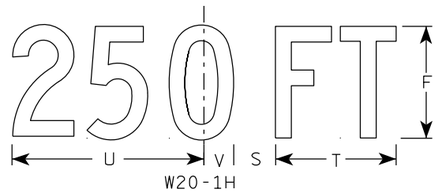
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 914 | E

NOTES

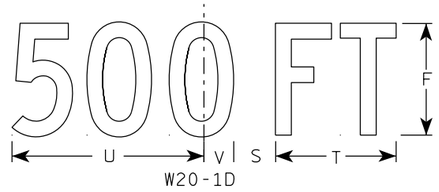
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



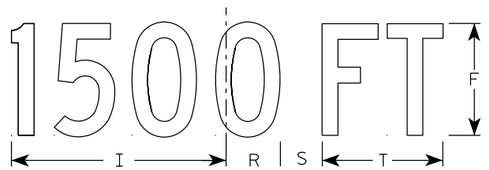
W20-1H



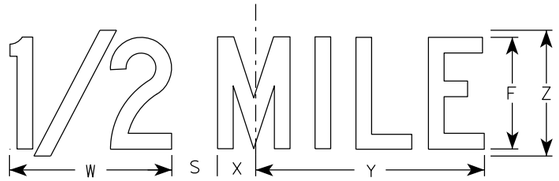
W20-1D



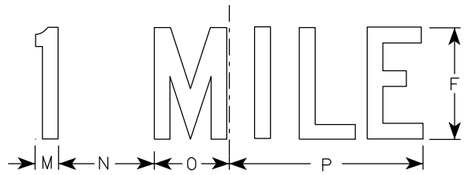
W20-1C



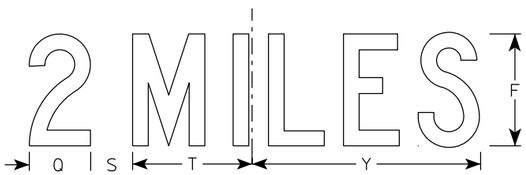
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

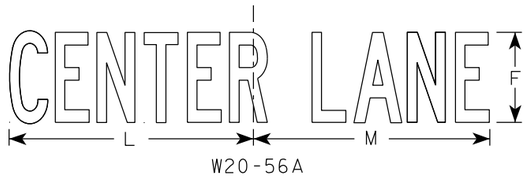
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

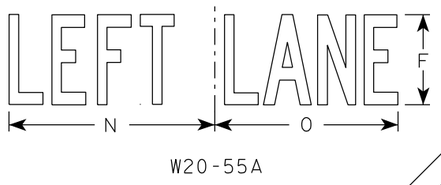
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

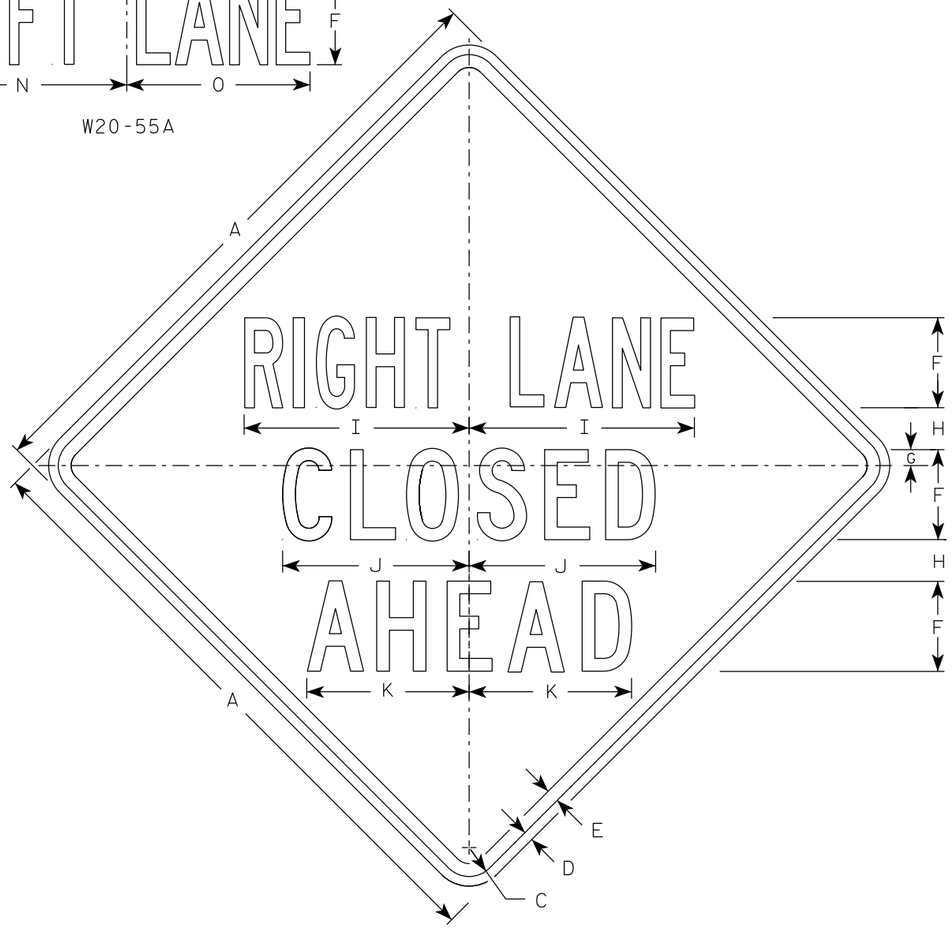
SHEET NO: 915 E



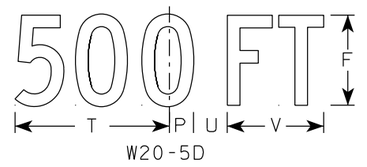
W20-56A



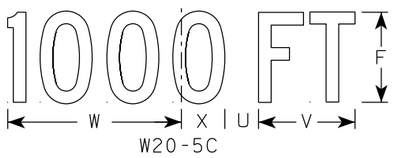
W20-55A



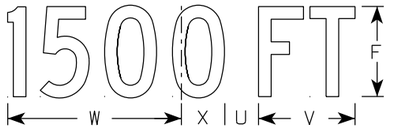
W20-5A



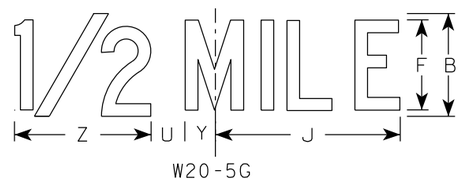
W20-5D



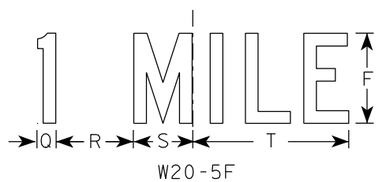
W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

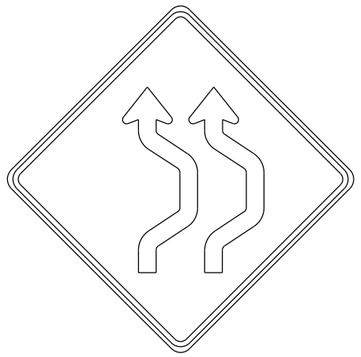
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

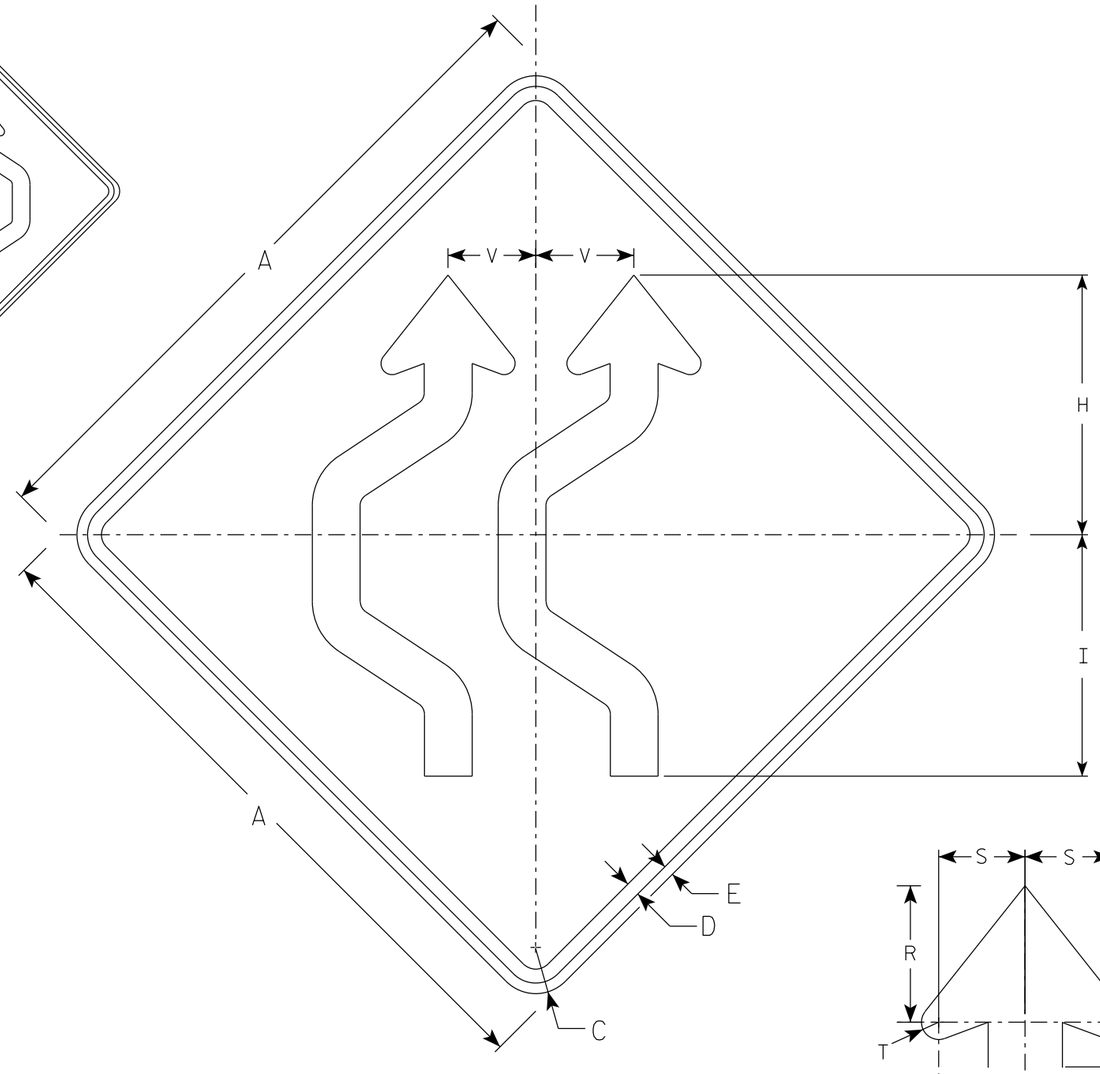
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

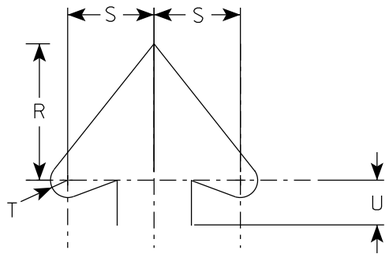
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 916 | E



W24-1AR



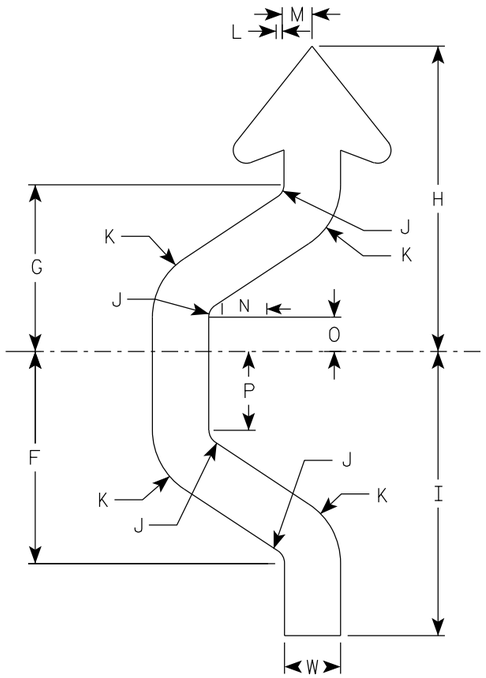
W24-1AL



Arrowhead Detail

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. W24-1AR is the same as W24-1AL except reversed along the vertical centerline.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	1/2	9 1/2	7 1/2	13 3/4	12 3/4	5/8	3 1/8	3/8	1 5/8	2 3/8	1 1/2	3 1/2		4 5/8	3	5/8	1 1/2	4 3/4	2 1/2				9.0
2S	48		3	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16.0
2M	48		3	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16.0
3	48		3	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16.0
4	48		3	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16.0
5	48		3	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16.0

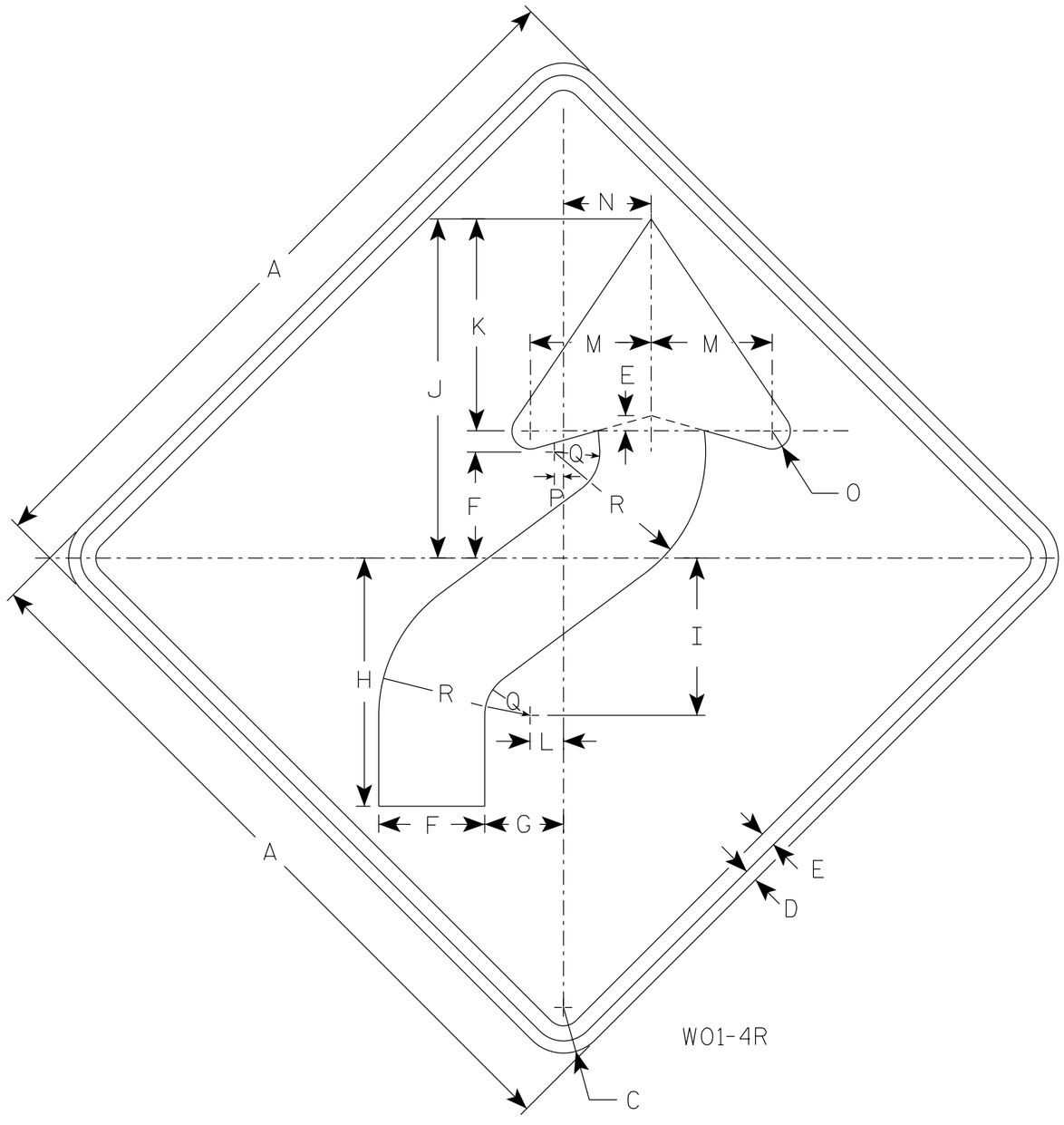
STANDARD SIGN
W24-1AL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/22/2024 PLATE NO. W24-1AL.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 917 E



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

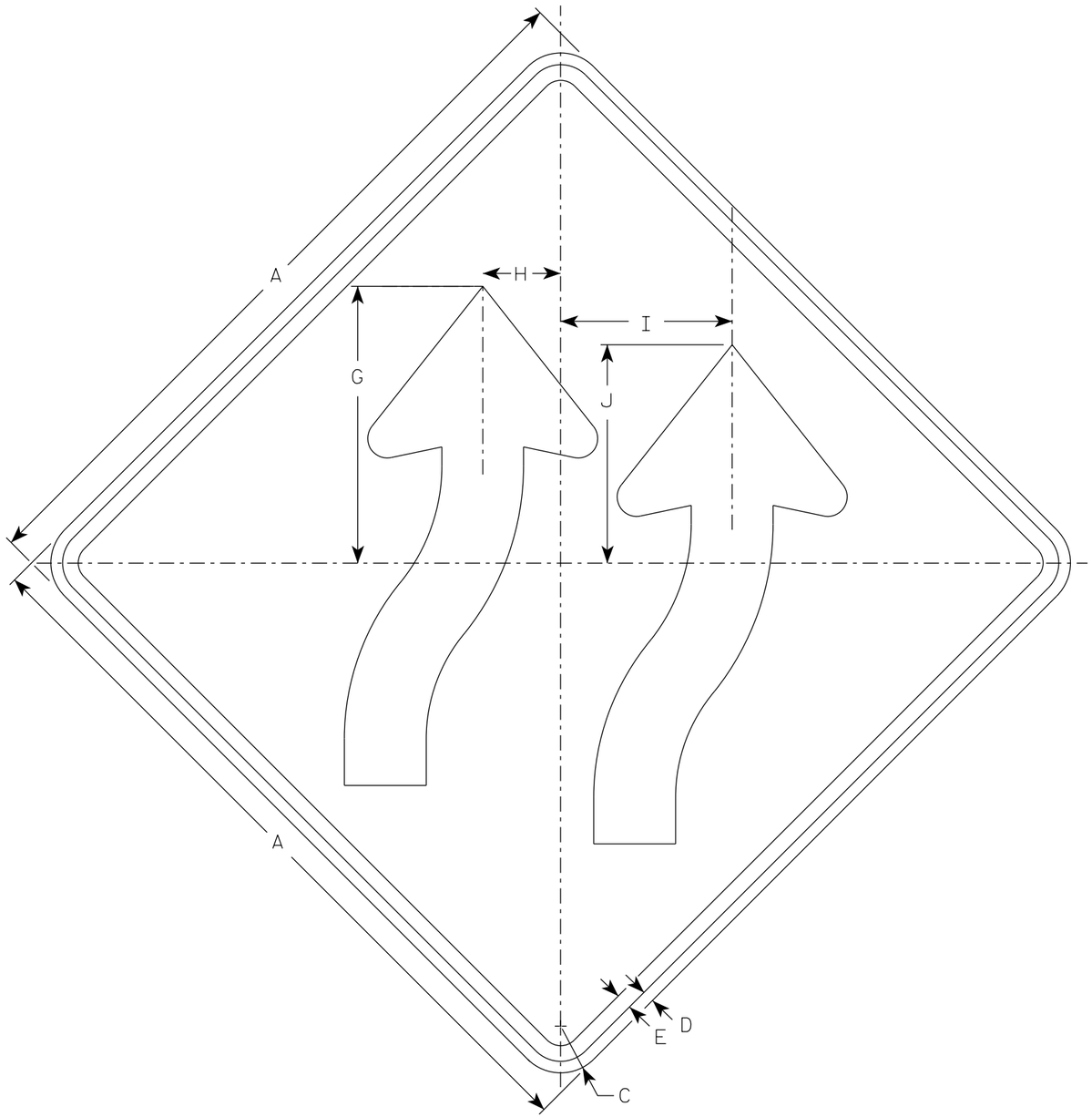
STANDARD SIGN
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

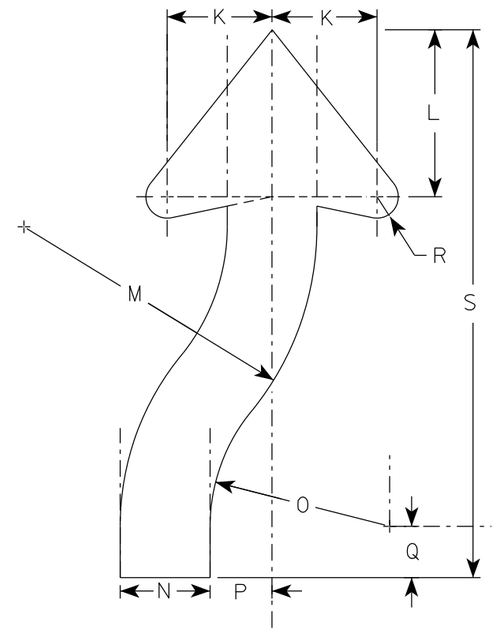
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 918 | E



W01-4BR

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4BL is the same as W014-BR exept arrows are reversed along the vertical centerline



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

STANDARD SIGN
W01-4B

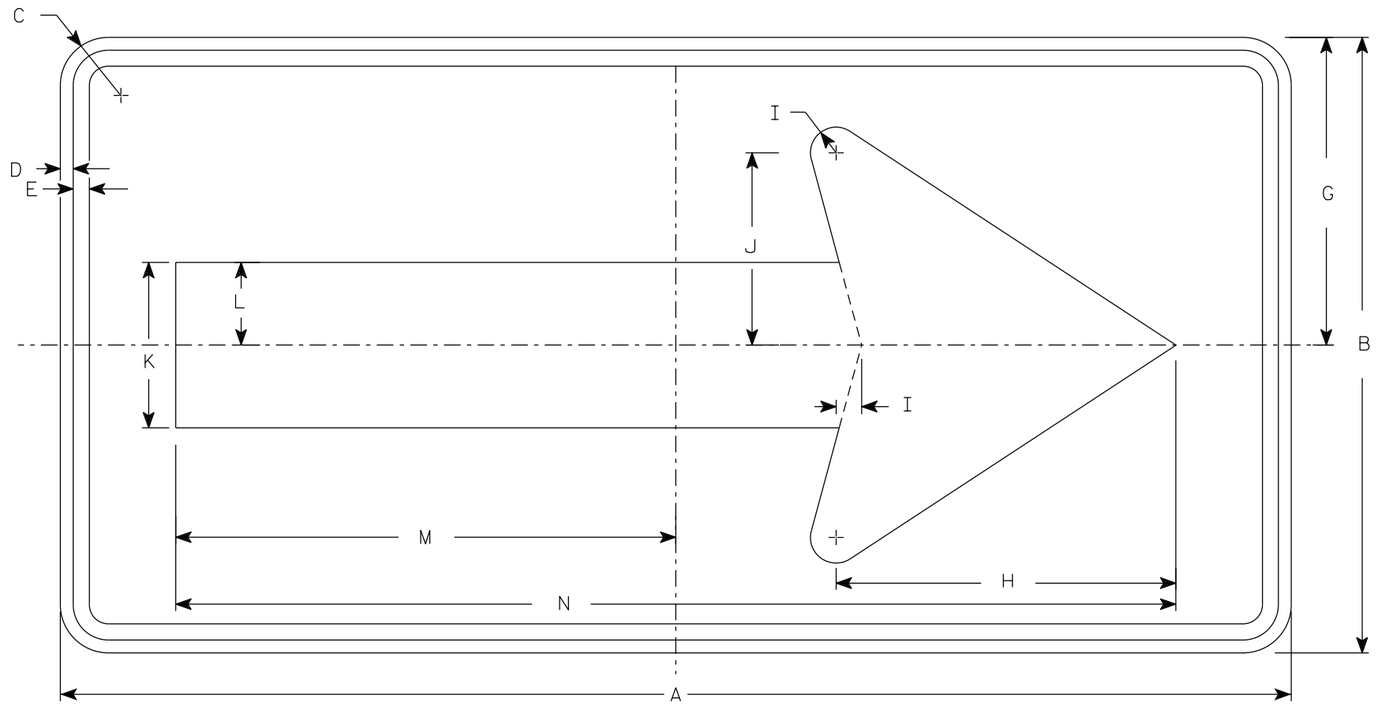
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014B.dgn PLOT DATE : 29-JAN 2024 3:41 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

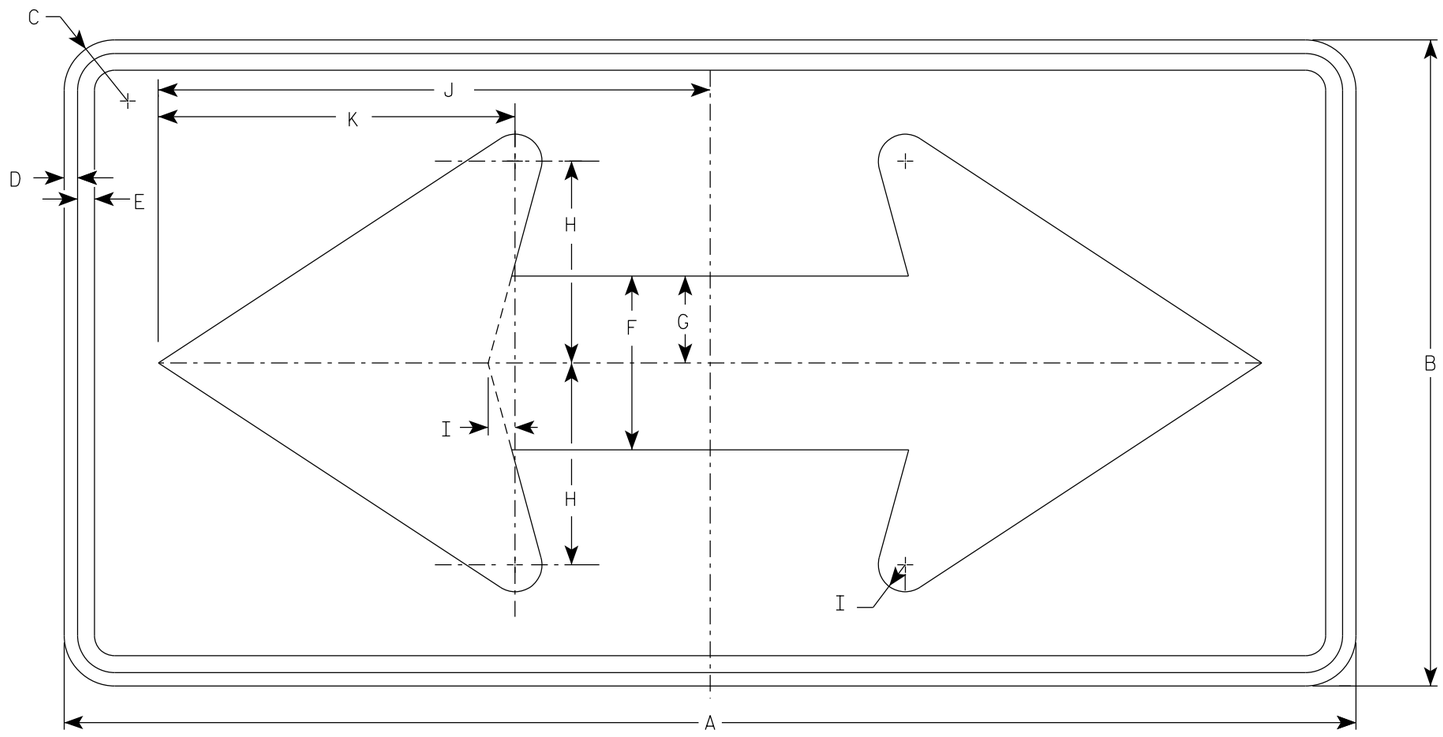
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W01-7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

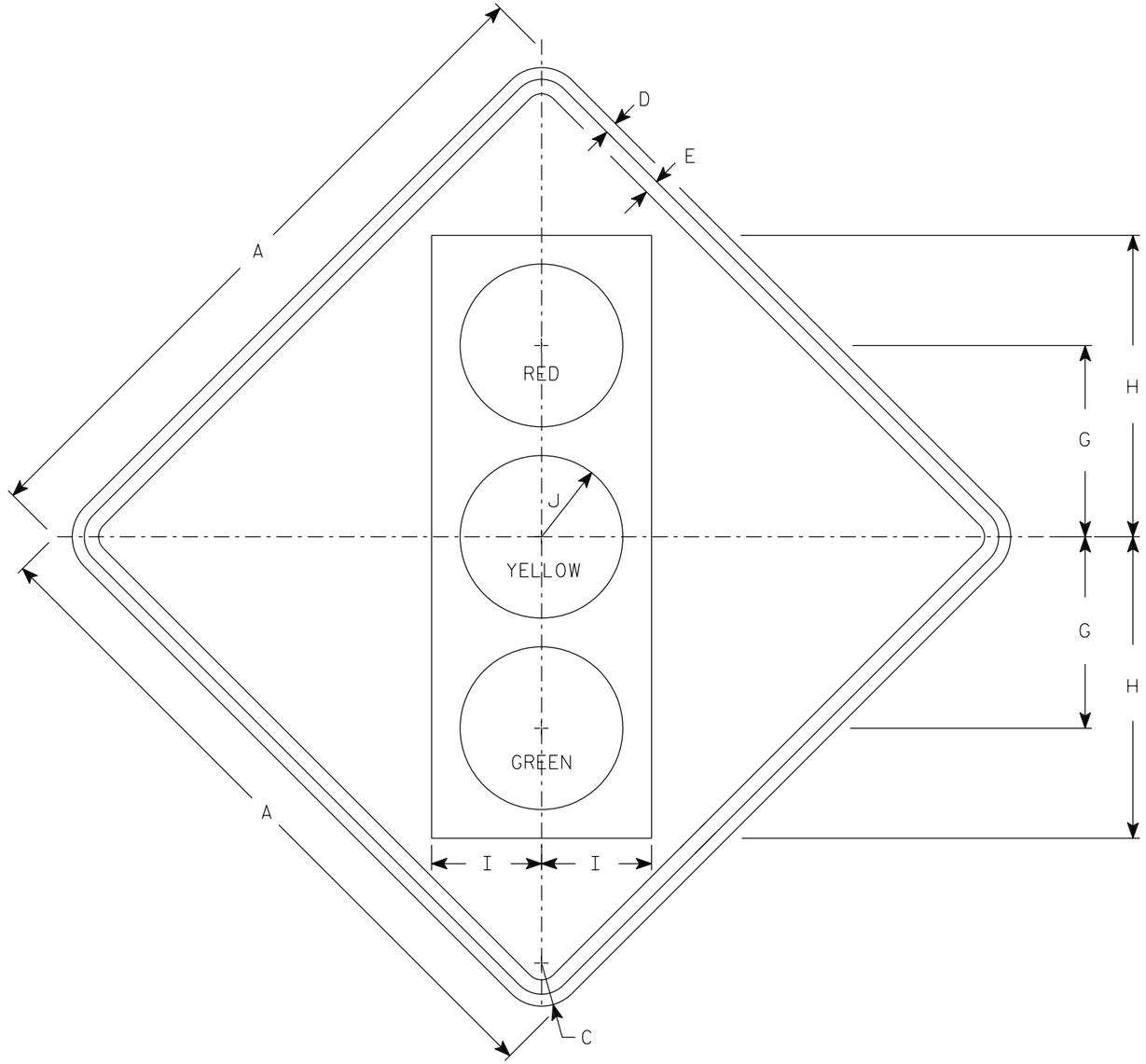
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-7.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 921 | E



W03-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2S	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
2M	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
3	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
4	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W03-3

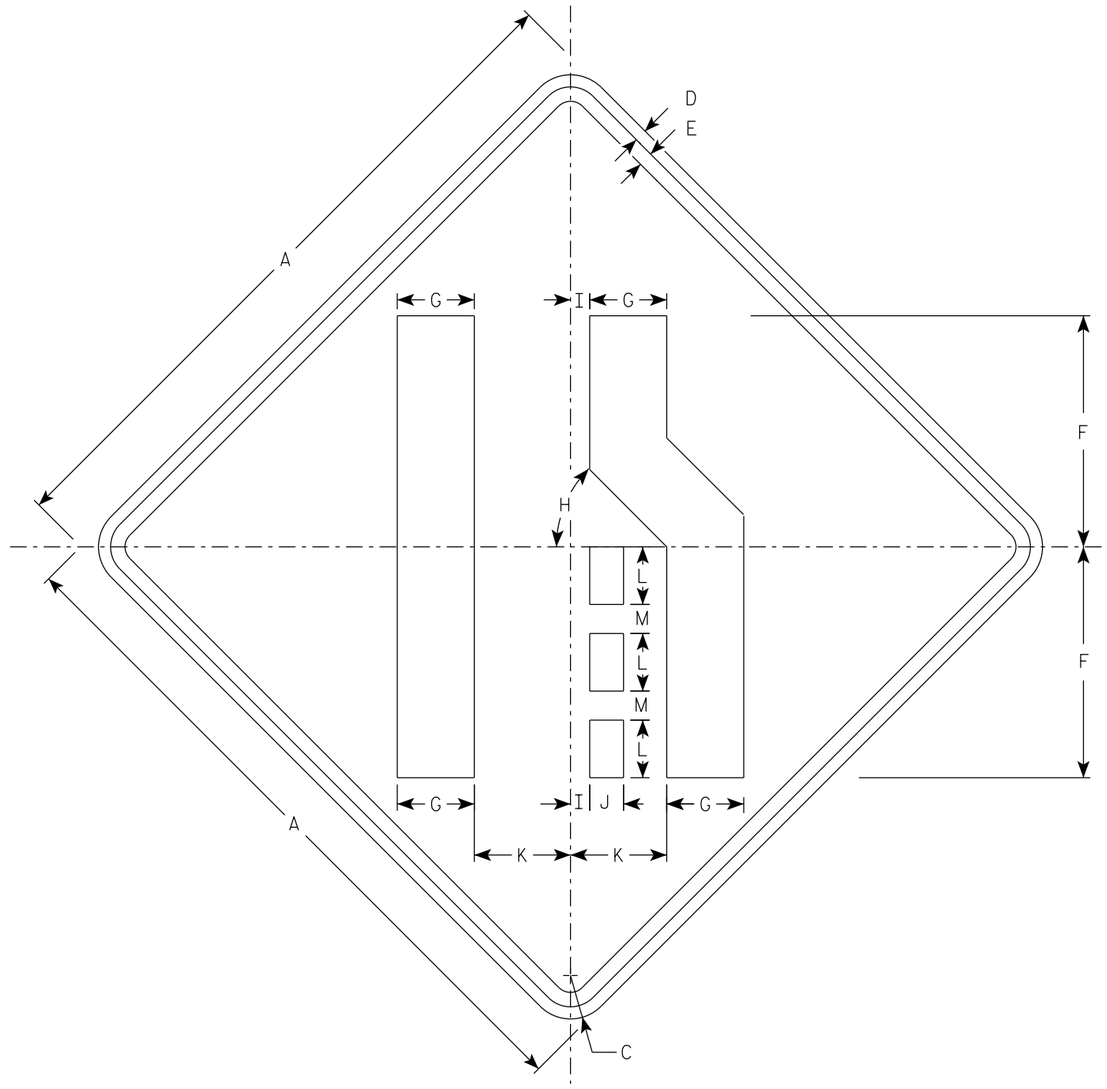
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-3.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W033.DGN PLOT DATE : 24-JAN 2024 2:07 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

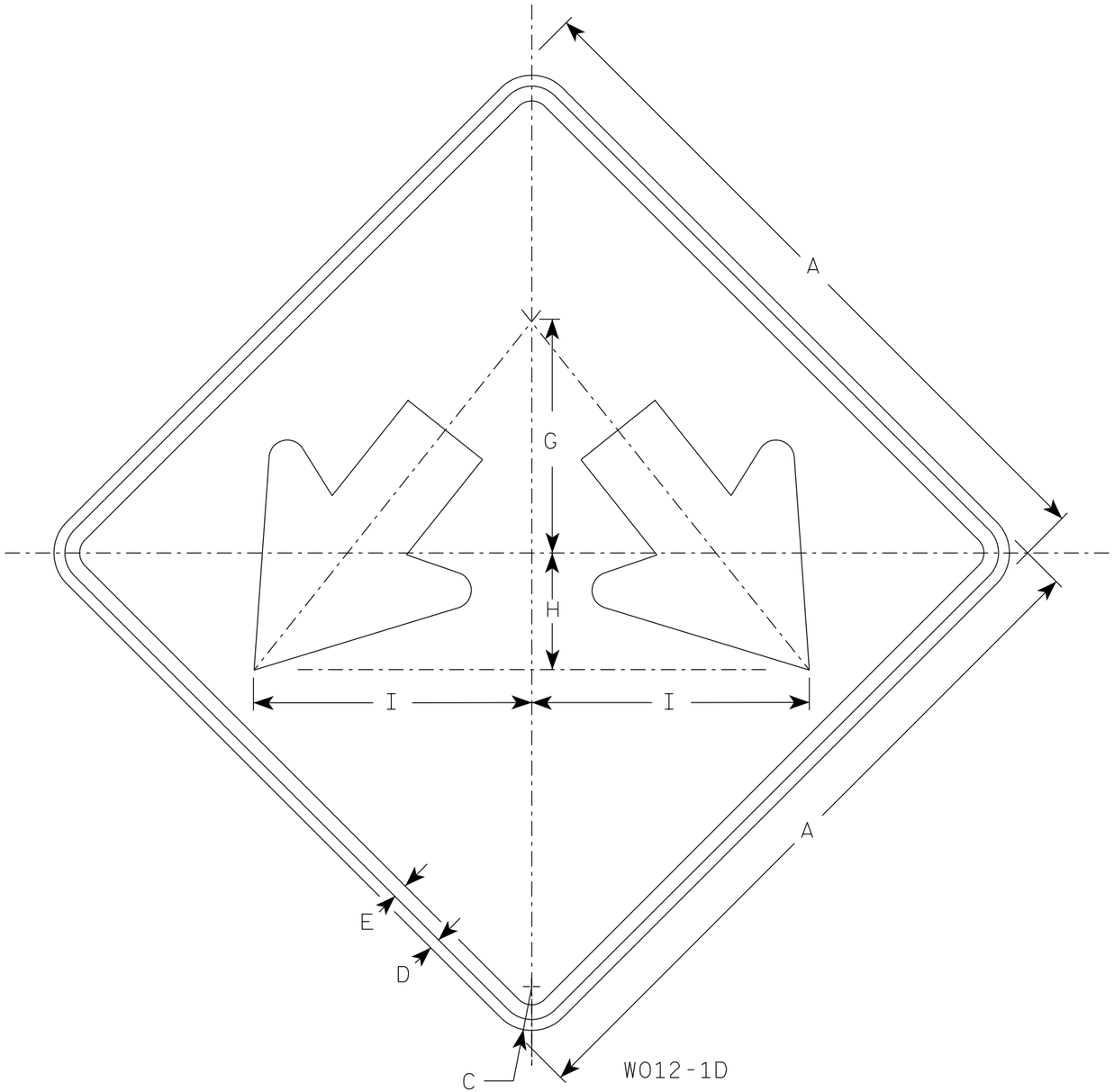
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

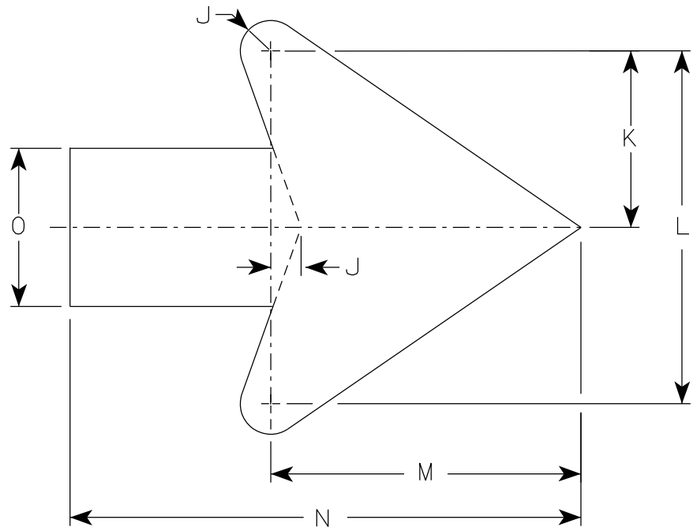
SHEET NO: 923 E



W012-1D

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2S	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 7/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		2 1/4	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	36		2 1/4	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0

STANDARD SIGN
W012-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W012-1D.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 924	E

STAGE 1 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
								NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
120+87.676 AH	0.00	8.96	1.80	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0
121+00	12.32	14.77	4.19	0.00	0.00	0.00	0.00	5	1	0	0	5	0	4
121+25	25.00	14.41	4.21	0.00	0.00	0.00	0.00	14	4	0	0	19	0	14
121+50	25.00	13.74	4.23	0.00	0.00	0.00	0.00	13	4	0	0	32	0	23
121+75	25.00	9.07	6.40	0.00	0.00	0.00	0.00	11	5	0	0	43	0	29
122+00	25.00	7.57	6.33	0.00	0.00	0.00	0.00	8	6	0	0	51	0	31
122+25	25.00	8.64	6.22	0.00	0.00	0.00	0.00	8	6	0	0	59	0	33
122+50	25.00	8.30	6.20	0.00	0.00	0.00	0.00	8	6	0	0	67	0	35
122+75	25.00	8.22	6.23	0.00	0.00	0.00	0.00	8	6	0	0	75	0	37
123+00	25.00	7.67	7.49	0.19	0.00	0.00	0.00	7	6	0	0	82	0	38
123+25	25.00	10.13	7.86	0.07	0.00	0.00	0.00	8	7	0	0	90	0	39
123+50	25.00	13.58	7.54	0.00	0.00	0.00	0.00	11	7	0	0	101	0	43
123+75	25.00	17.12	6.34	0.00	0.00	0.00	0.00	14	6	0	0	115	0	51
124+00	25.00	21.15	7.18	0.36	0.00	0.00	0.00	18	6	0	0	133	0	63
124+25	25.00	24.87	8.22	0.17	0.00	0.00	0.00	21	7	0	0	154	0	77
124+50	25.00	29.67	9.74	0.00	0.00	0.00	0.00	25	8	0	0	179	0	94
124+75	25.00	32.42	11.06	0.08	0.00	0.00	0.00	29	10	0	0	208	0	113
125+00	25.00	34.45	10.87	0.18	0.00	0.00	0.00	31	10	0	0	239	0	134
125+15	15.00	32.15	11.00	0.58	0.00	0.00	0.00	19	6	0	0	258	0	147
125+50	35.00	31.01	12.61	0.70	0.00	0.00	0.00	41	15	1	0	299	1	172
125+90.026 BK	40.03	26.13	14.47	0.00	0.00	0.00	0.00	42	20	1	0	341	3	192
126+92.882 AH	0.00	13.42	5.39	0.00	0.00	0.00	0.00	0	0	0	0	341	3	192
127+25	32.12	13.19	7.50	0.00	0.00	0.00	0.00	16	8	0	0	357	3	200
127+50	25.00	10.31	6.22	0.00	0.00	0.00	0.00	11	6	0	0	368	3	205
127+75	25.00	10.08	6.17	0.00	0.00	0.00	0.00	9	6	0	0	377	3	208
128+00	25.00	10.23	5.97	0.09	0.00	0.00	0.00	9	6	0	0	386	3	211
128+25	25.00	10.32	6.26	0.00	0.00	0.00	0.00	10	6	0	0	396	3	215
128+50	25.00	10.43	6.19	0.00	0.00	0.00	0.00	10	6	0	0	406	3	219
128+75	25.00	10.62	6.58	0.00	0.00	0.00	0.00	10	6	0	0	416	3	223
129+00	25.00	11.22	5.20	0.00	0.00	0.00	0.00	10	5	0	0	426	3	228
129+25	25.00	13.91	6.27	0.00	0.00	0.00	0.00	12	5	0	0	438	3	235
129+50	25.00	16.16	6.72	0.13	0.00	0.00	0.00	14	6	0	0	452	3	243
129+75	25.00	18.80	6.20	0.02	0.00	0.00	0.00	16	6	0	0	468	3	253
130+00	25.00	21.78	7.29	0.00	0.00	0.00	0.00	19	6	0	0	487	3	266
130+25	25.00	25.78	8.56	0.00	0.00	0.00	0.00	22	7	0	0	509	3	281
130+50	25.00	26.27	10.08	0.00	0.00	0.00	0.00	24	9	0	0	533	3	296
130+75	25.00	28.09	10.90	0.21	0.00	0.00	0.00	25	10	0	0	558	3	311
131+00	25.00	33.16	12.42	0.00	0.00	0.00	0.00	28	11	0	0	586	3	328
131+25	25.00	31.89	12.66	0.04	0.00	0.00	0.00	30	12	0	0	616	3	346
131+50	25.00	32.61	12.72	0.06	0.00	0.00	0.00	30	12	0	0	646	3	364
131+75	25.00	33.75	12.63	0.02	0.00	0.00	0.00	31	12	0	0	677	3	383
132+00	25.00	34.41	12.56	0.00	0.00	0.00	0.00	32	12	0	0	709	3	403
132+25	25.00	33.75	12.64	0.01	0.00	0.00	0.00	32	12	0	0	741	3	423
132+50	25.00	32.49	12.74	0.02	0.00	0.00	0.00	31	12	0	0	772	3	442
132+75	25.00	33.47	12.62	0.03	0.00	0.00	0.00	31	12	0	0	803	3	461
133+00	25.00	33.79	12.49	0.02	0.00	0.00	0.00	31	12	0	0	834	3	480
133+25	25.00	34.01	12.49	0.02	0.00	0.00	0.00	31	12	0	0	865	3	499
133+50	25.00	32.66	12.45	0.03	0.00	0.00	0.00	31	12	0	0	896	3	518
133+75	25.00	31.60	12.39	0.07	0.00	0.00	0.00	30	11	0	0	926	3	537
134+00	25.00	29.77	12.44	0.30	0.00	0.00	0.00	28	11	0	0	954	3	554
134+35.265 BK	35.27	27.95	14.95	0.00	0.00	0.00	0.00	38	18	0	0	992	3	574
135+44.968 AH	0.00	12.85	3.93	0.00	0.00	0.00	0.00	0	0	0	0	992	3	574
135+75	30.03	13.83	5.25	0.77	0.00	0.00	0.00	15	5	0	0	1,007	3	584
136+00	25.00	10.89	5.15	1.08	0.00	0.00	0.00	11	5	1	0	1,018	4	589
136+25	25.00	9.96	5.15	0.96	0.00	0.00	0.00	10	5	1	0	1,028	5	593
136+50	25.00	9.86	5.30	0.97	0.00	0.00	0.00	9	5	1	0	1,037	7	596
136+75	25.00	9.88	5.17	0.82	0.00	0.00	0.00	9	5	1	0	1,046	8	598
137+00	25.00	9.82	5.22	0.65	0.00	0.00	0.00	9	5	1	0	1,055	9	601
137+25	25.00	9.90	5.10	0.52	0.00	0.00	0.00	9	5	1	0	1,064	10	604
137+50	25.00	10.07	4.25	0.64	0.00	0.00	0.00	9	4	1	0	1,073	12	607
137+75	25.00	13.90	3.11	0.32	0.00	0.00	0.00	11	3	0	0	1,084	12	615
138+00	25.00	17.78	4.39	0.39	0.00	0.00	0.00	15	3	0	0	1,099	12	627
138+25	25.00	21.25	5.76	0.37	0.00	0.00	0.00	18	5	0	0	1,117	12	640
138+50	25.00	23.79	7.12	0.43	0.00	0.00	0.00	21	6	0	0	1,138	12	655
138+75	25.00	26.01	8.51	0.39	0.00	0.00	0.00	23	7	0	0	1,161	12	671
139+00	25.00	30.42	9.73	0.25	0.00	0.00	0.00	26	8	0	0	1,187	12	689
139+25	25.00	36.03	11.07	0.00	0.00	0.00	0.00	31	10	0	0	1,218	12	710
139+50	25.00	34.37	11.85	0.25	0.00	0.00	0.00	33	11	0	0	1,251	12	732
139+75	25.00	32.68	12.49	0.57	0.00	0.00	0.00	31	11	0	0	1,282	12	752
140+00	25.00	29.39	12.56	0.00	0.00	0.00	0.00	29	12	0	0	1,311	12	769
140+29.778 BK	29.78	28.88	13.86	0.00	0.00	0.00	0.00	32	15	0	0	1,343	12	786
141+43.848 AH	0.00	38.73	13.64	0.00	0.00	0.00	0.00	0	0	0	0	1,343	12	786
141+75	31.15	41.76	19.92	1.93	0.00	0.00	0.00	46	19	1	0	1,389	13	812
142+00	25.00	39.57	17.23	1.44	0.00	0.00	0.00	38	17	2	0	1,427	16	830
142+25	25.00	36.24	16.41	0.16	0.00	0.00	0.00	35	16	1	0	1,462	17	848
142+50	25.00	36.77	16.69	0.16	0.00	0.00	0.00	34	15	0	0	1,496	17	867
142+75	25.00	37.48	16.74	0.16	0.00	0.00	0.00	34	15	0	0	1,530	17	886

(CONTINUED)

STAGE 1 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
								NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
143+00	25.00	38.45	16.42	0.24	0.00	0.00	0.00	35	15	0	0	1,565	17	906
143+25	25.00	37.08	12.57	0.28	0.00	0.00	0.00	35	13	0	0	1,600	17	928
143+50	25.00	36.52	11.06	0.43	0.00	0.00	0.00	34	11	0	0	1,634	17	951
143+75	25.00	36.98	10.02	0.40	0.00	0.00	0.00	34	10	0	0	1,668	17	975
144+00	25.00	39.62	8.60	0.06	0.00	0.00	0.00	35	9	0	0	1,703	17	1,001
144+25	25.00	38.35	7.56	0.18	0.00	0.00	0.00	36	7	0	0	1,739	17	1,030
144+50	25.00	39.24	6.09	0.15	0.00	0.00	0.00	36	6	0	0	1,775	17	1,060
144+75	25.00	43.26	4.96	0.36	0.00	0.00	0.00	38	5	0	0	1,813	17	1,093
145+00	25.00	39.17	2.09	0.23	0.00	0.00	0.00	38	3	0	0	1,851	17	1,128
145+25	25.00	35.74	2.29	0.17	0.00	0.00	0.00	35	2	0	0	1,886	17	1,161
145+50	25.00	33.47	2.62	0.00	0.00	0.00	0.00	32	2	0	0	1,918	17	1,191
145+75	25.00	31.64	3.90	0.00	0.00	0.00	0.00	30	3	0	0	1,948	17	1,218
146+00	25.00	29.30	5.05	0.00	0.00	0.00	0.00	28	4	0	0	1,976	17	1,242
146+25	25.00	26.58	6.65	0.00	0.00	0.00	0.00	26	5	0	0	2,002	17	1,263
146+50	25.00	25.12	7.48	0.00	0.00	0.00	0.00	24	7	0	0	2,026	17	1,280
146+75	25.00	23.38	11.03	0.00	0.00	0.00	0.00	22	9	0	0	2,048	17	1,293
147+00	25.00	21.46	11.93	0.00	0.00	0.00	0.00	21	11	0	0	2,069	17	1,303
147+25	25.00	23.09	11.97	0.00	0.00	0.00	0.00	21	11	0	0	2,090	17	1,313
147+50	25.00	24.85	11.95	0.00	0.00	0.00	0.00	22	11	0	0	2,112	17	1,324
147+75	25.00	25.95	11.92	0.00	0.00	0.00	0.00	24	11	0	0	2,136	17	1,337
148+00	25.00	26.53	12.27	0.00	0.00	0.00	0.00	24	11	0	0	2,160	17	1,350
148+25	25.00	26.73	11.94	0.00	0.00	0.00	0.00	25	11	0	0	2,185	17	1,364
148+41.619 BK	16.62	26.68	15.48	0.00	0.00	0.00	0.00	16	8	0	0	2,201	17	1,372
149+58.156 AH	0.00	17.70	15.52	0.00	0.00	0.00	0.00	0	0	0	0	2,201	17	1,372
149+75	16.84	32.70	12.52	0.00	0.00	0.00	0.00	16	9	0	0	2,217	17	1,379
150+00	25.00	30.40	15.70	0.93	0.00	0.00	0.00	29	13	0	0	2,246	17	1,395
150+25	25.00	31.95	15.86	0.33	0.00	0.00	0.00	29	15	1	0	2,275	18	1,408
150+50	25.00	31.79	15.81	0.34	0.00	0.00	0.00	30	15	0	0	2,305	18	1,423
150+75	25.00	29.90	16.03	0.66	0.00	0.00	0.00	29	15	0	0	2,334	18	1,437
151+00	25.00	28.88	15.88	1.14	0.00	0.00	0.00	27	15	1	0	2,361	20	1,448
151+25	25.00	30.19	15.79	0.38	0.00	0.00	0.00	27	15	1	0	2,388	21	1,458
151+50	25.00	30.41	17.50	0.30	0.00	0.00	0.00	28	15	0	0	2,416	21	1,471
151+75	25.00	30.25	15.90	0.25	0.00	0.00	0.00	28	15	0	0	2,444	21	1,484
152+00	25.00	31.02	15.98	0.32	0.00	0.00	0.00	28	15	0	0	2,472	21	1,497
152+25	25.00	31.51	15.65	0.37	0.00	0.00	0.00	29	15	0	0	2,501	21	1,511
152+50	25.00	32.52	15.60	0.52	0.00	0.00	0.00	30	14	0	0	2,531	21	1,527
152+75	25.00	11.61	3.17	0.57	0.00	0.00	0.00	20	9	1	0	2,551	22	1,537
153+00	25.00	15.74	3.30	0.59	0.00	0.00	0.00	13	3	1	0	2,564	23	1,546
153+25	25.00	21.18	3.24	0.60	0.00	0.00	0.00	17	3	1	0	2,581	25	1,558
153+50	25.00	25.67	3.35	0.57	0.00	0.00	0.00	22	3	1	0	2,603	26	1,576
153+75	25.00	29.95	3.38	0.56	0.00	0.00	0.00	26	3	1	0	2,629	27	1,598
154+00	25.00	32.13	3.23	0.00	0.00	0.00	0.00	29	3	0	0	2,658	27	1,624
154+25	25.00	36.40	3.28	0.05	0.00	0.00	0.00	32	3	0	0	2,690	27	1,653
154+50	25.00	39.00	3.25	0.00	0.00	0.00	0.00	35	3	0	0	2,725	27	1,685
154+75	25.00	36.90	3.28	0.00	0.00	0.00	0.00	35	3	0	0	2,760	27	1,717
155+00	25.00	34.68	3.16	0.00	0.00	0.00	0.00	33	3	0	0	2,793	27	1,747
155+25	25.00	32.09	3.34	0.00	0.00	0.00	0.00	31	3	0	0	2,824	27	1,775
155+50	25.00	29.83	3.32	0.01	0.00	0.00	0.00	29	3	0	0	2,853	27	1,801
155+75	25.00	28.68	4.18	0.14	0.00	0.00	0.00	27	3	0	0	2,880	27	1,825
156+00	25.00	27.16	6.75	0.39	0.00	0.00	0.00	26	5	0	0	2,906	27	1,846
156+25	25.00	25.22	8.71	0.70	0.00	0.00	0.00	24	7	1	0	2,930	29	1,861
156+50	25.00	22.53	12.18	1.38	0.00	0.00	0.00	22	10	1	0	2,952	30	1,872
156+75	25.00	29.64	13.16	0.00	0.00	0.00	0.00	24	12	1	0	2,976	31	1,883
157+00	25.00	29.17	15.48	0.00	0.00	0.00	0.00	27	13	0	0	3,003	31	1,897
157+25	25.00	29.11	13.34	0.00	0.00	0.00	0.00	27	13	0	0	3,030	31	1,911
157+50	25.00	28.10	13.78	0.00	0.00	0.00	0.00	26	13	0	0	3,056	31	1,924
157+69.093 BK	19.09	22.32	31.18	0.00	0.00	0.00	0.00	18	16	0	0	3,074	31	1,926
158+44.455 AH	0.00	1.84	17.06	0.00	0.00	0.00	0.00	0	0	0	0	3,074	31	1,926
158+75	30.55	9.46	0.00	0.12	0.00	0.00	0.00	6	10	0	0	3,080	31	1,922
159+00	25.00	10.72	0.08	0.13	0.00	0.00	0.00	9	0	0	0	3,089	31	1,931
159+25	25.00	11.69	0.02	0.11	0.00	0.00	0.00	10	0	0	0	3,099	31	1,941
159+50	25.00	11.82	0.03	0.14	0.00	0.00	0.00	11	0	0	0	3,110	31	1,952
159+75	25.00	16.99	0.00	0.11	0.00	0.00	0.00	13	0	0	0	3,123	31	1,965
160+00	25.00	22.11	0.07	0.12	0.00	0.00	0.00	18	0	0	0	3,141	31	1,983
160+25	25.00	25.77	0.00	0.12	0.00	0.00	0.00	22	0	0	0	3,163	31	2,005
160+50	25.00	26.45	0.00	0.13	0.00	0.00	0.00	24	0	0	0	3,187	31	2,029
160+75	25.00	23.37	0.06	0.12	0.00	0.00	0.00	23	0	0	0	3,210	31	2,052
161+00	25.00	21.26	0.91	0.52	0.00	0.00	0.00	21	0	0	0	3,231	31	2,073
161+25	25.00	20.24	1.86	1.32	0.00	0.00	0.00	19	1	1	0	3,250	33	2,090
161+50	25.00	19.78	1.97	2.22	0.00	0.00	0.00	19	2	2	0	3,269	35	2,104
161+75	25.00	20.92	2.00	0.67	0.00	0.00	0.00	19	2	1	0	3,288	36	2,120
162+00	25.00	22.48	0.09	0.00	0.00	0.00	0.00	20	1	0	0	3,308	36	2,139
162+11.947 BK	11.95	9.93	0.10	0.00	0.00	0.00	0.00	7	0	0	0	3,315	36	2,146
162+77.31 AH	0.00	7.36	4.70	0.00	0.00	0.00	0.00	0	0	0	0	3,315	36	2,146
163+00	22.69	17.23	4.70	0.00	0.00	0.00	0.00	10	4	0	0	3,325	36	2,152
163+25	25.00	17.29	4.70	0.00	0.00	0.00	0.00	16	4	0	0	3,341	36	2,164
163+50	25.00	11.03	4.70	0.00	0.00	0.00	0.00	13	4	0	0	3,354	36	2,173

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	[(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

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STAGE 1 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
								NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
163+75	25.00	8.58	4.70	0.00	0.00	0.00	0.00	9	4	0	0	3,363	36	2,178
164+00	25.00	12.52	4.70	0.00	0.00	0.00	0.00	10	4	0	0	3,373	36	2,184
164+25	25.00	17.26	4.70	0.00	0.00	0.00	0.00	14	4	0	0	3,387	36	2,194
164+50	25.00	26.02	4.70	0.00	0.00	0.00	0.00	20	4	0	0	3,407	36	2,210
164+75	25.00	32.23	4.70	0.00	0.00	0.00	0.00	27	4	0	0	3,434	36	2,233
165+00	25.00	35.81	4.70	0.00	0.00	0.00	0.00	31	4	0	0	3,465	36	2,260
165+25	25.00	37.63	4.70	0.00	0.00	0.00	0.00	34	4	0	0	3,499	36	2,290
165+50	25.00	36.55	4.70	0.00	0.00	0.00	0.00	34	4	0	0	3,533	36	2,320
165+75	25.00	31.98	4.70	0.00	0.00	0.00	0.00	32	4	0	0	3,565	36	2,348
166+00	25.00	28.20	4.70	0.00	0.00	0.00	0.00	28	4	0	0	3,593	36	2,372
166+25	25.00	28.40	4.70	0.00	0.00	0.00	0.00	26	4	0	0	3,619	36	2,394
166+50	25.00	26.21	4.70	0.00	0.00	0.00	0.00	25	4	0	0	3,644	36	2,415
166+61.528 BK	11.53	2.63	4.70	0.00	0.00	0.00	0.00	6	2	0	0	3,650	36	2,419
						COLUMN TOTALS		3,650	1,195	28	0			

STAGE 2 - NB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
121+00 AH	0.00	65.67	26.87	0.00	0.00	0	0	0	0	0	0	0
121+50	50.00	61.04	27.00	0.00	0.00	117	50	0	0	117	0	67
122+00	50.00	116.01	32.66	0.11	0.00	164	55	0	0	281	0	176
122+50	50.00	118.73	33.32	0.00	0.00	217	61	0	0	498	0	332
123+00	50.00	111.03	32.36	2.19	0.00	213	61	2	0	711	3	481
123+50	50.00	114.44	31.74	0.63	0.00	209	59	3	0	920	7	628
124+00	50.00	111.77	30.41	1.30	0.00	209	58	2	0	1,129	9	776
124+50	50.00	109.79	31.55	0.27	0.00	205	57	1	0	1,334	10	923
125+00	50.00	110.32	32.50	0.96	0.00	204	59	1	0	1,538	12	1,066
125+50	50.00	126.43	30.88	0.31	0.00	219	59	1	0	1,757	13	1,225
126+00	50.00	130.95	32.18	0.32	0.00	238	58	1	0	1,995	14	1,404
126+23.517	23.52	283.96	59.76	0.00	0.00	181	40	0	0	2,176	14	1,545
126+50	26.48	300.12	63.88	0.00	0.00	286	61	0	0	2,462	14	1,770
127+00	50.00	128.16	31.05	0.00	0.00	397	88	0	0	2,859	14	2,079
127+50	50.00	119.97	33.68	0.49	0.00	230	60	0	0	3,089	14	2,249
128+00	50.00	126.17	32.44	0.00	0.00	228	61	0	0	3,317	14	2,416
128+50	50.00	134.47	33.64	0.00	0.00	241	61	0	0	3,558	14	2,596
129+00	50.00	117.16	29.42	1.21	0.00	233	58	1	0	3,791	16	2,769
129+50	50.00	118.04	29.48	0.36	0.00	218	55	1	0	4,009	17	2,931
130+00	50.00	119.39	28.73	0.05	0.00	220	54	0	0	4,229	17	3,097
130+50	50.00	122.85	29.66	0.00	0.00	224	54	0	0	4,453	17	3,267
131+00	50.00	124.25	30.64	0.53	0.00	229	56	0	0	4,682	17	3,440
131+50	50.00	126.09	31.47	0.05	0.00	232	58	1	0	4,914	18	3,613
132+00	50.00	122.24	30.76	0.13	0.00	230	58	0	0	5,144	18	3,785
132+50	50.00	122.16	30.71	0.15	0.00	226	57	0	0	5,370	18	3,954
133+00	50.00	121.14	30.90	0.40	0.00	225	57	1	0	5,595	20	4,121
133+50	50.00	117.99	30.59	0.73	0.00	221	57	1	0	5,816	21	4,283
134+00	50.00	117.55	30.69	1.05	0.00	218	57	2	0	6,034	23	4,442
134+50	50.00	144.04	32.26	0.00	0.00	242	58	1	0	6,276	25	4,624
134+74.554	24.55	328.03	65.74	0.00	0.00	215	45	0	0	6,491	25	4,794
135+00	25.45	311.39	55.56	0.00	0.00	301	57	0	0	6,792	25	5,038
135+50	50.00	129.43	32.04	0.00	0.00	408	81	0	0	7,200	25	5,365
136+00	50.00	122.43	32.59	0.37	0.00	233	60	0	0	7,433	25	5,538
136+50	50.00	121.10	37.23	0.51	0.00	225	65	1	0	7,658	26	5,697
137+00	50.00	120.22	37.17	1.01	0.00	223	69	1	0	7,881	27	5,850
137+50	50.00	118.45	37.10	1.44	0.00	221	69	2	0	8,102	30	5,999
138+00	50.00	119.25	28.97	0.38	0.00	220	61	2	0	8,322	33	6,156
138+50	50.00	120.77	29.13	0.39	0.00	222	54	1	0	8,544	34	6,322
139+00	50.00	125.40	29.95	0.67	0.00	228	55	1	0	8,772	35	6,494
139+50	50.00	121.97	31.71	1.84	0.00	229	57	2	0	9,001	38	6,663
140+00	50.00	118.53	32.07	2.19	0.00	223	59	4	0	9,224	43	6,822
140+50	50.00	201.88	31.01	0.00	0.00	297	58	2	0	9,521	46	7,059
140+76.556	26.56	321.62	56.92	0.00	0.00	257	43	0	0	9,778	46	7,273
141+00	23.44	330.81	49.19	0.00	0.00	283	46	0	0	10,061	46	7,510
141+12.698	12.70	307.07	71.24	0.00	0.00	150	28	0	0	10,211	46	7,632
141+50	37.30	111.58	32.08	0.16	0.00	289	71	0	0	10,500	46	7,850
142+00	50.00	114.11	32.23	0.41	0.00	209	60	1	0	10,709	47	7,997
142+50	50.00	115.75	36.38	2.20	0.00	213	64	2	0	10,922	49	8,144
143+00	50.00	120.11	32.99	2.00	0.00	218	64	4	0	11,140	55	8,292
143+50	50.00	124.75	33.77	2.04	0.00	227	62	4	0	11,367	60	8,452
144+00	50.00	128.12	32.73	2.64	0.00	234	62	4	0	11,601	65	8,619
144+50	50.00	127.40	32.33	4.08	0.00	237	60	6	0	11,838	73	8,788
145+00	50.00	125.08	32.37	4.13	0.00	234	60	8	0	12,072	83	8,952
145+50	50.00	122.03	30.19	9.23	0.00	229	58	12	0	12,301	99	9,107
146+00	50.00	120.50	30.18	5.53	0.00	225	56	14	0	12,526	117	9,258
146+50	50.00	117.74	29.75	1.31	0.00	221	55	6	0	12,747	125	9,416
147+00	50.00	116.68	33.18	5.78	0.00	217	58	7	0	12,964	134	9,566
147+50	50.00	114.92	31.24	9.66	0.00	214	60	14	0	13,178	152	9,702
148+00	50.00	112.47	30.87	12.18	0.00	211	58	20	0	13,389	178	9,829
148+50	50.00	134.37	30.72	8.44	0.00	229	57	19	0	13,618	203	9,976
148+73.755	23.76	205.61	34.09	6.30	0.00	150	29	6	0	13,768	211	10,089
149+00	26.24	370.65	75.11	0.00	0.00	280	53	3	0	14,048	215	10,313
149+50	50.00	307.58	64.39	0.00	0.00	628	129	0	0	14,676	215	10,812
150+00	50.00	123.31	34.51	0.00	0.00	399	92	0	0	15,075	215	11,119
150+50	50.00	123.58	32.56	0.02	0.00	229	62	0	0	15,304	215	11,286
150+74.435	24.44	122.66	36.60	0.44	0.00	111	31	0	0	15,415	215	11,366
151+00	25.56	125.94	34.41	0.14	0.00	118	34	0	0	15,533	215	11,450
151+50	50.00	138.10	35.22	0.00	0.00	244	64	0	0	15,777	215	11,630
152+00	50.00	139.17	34.98	0.00	0.00	257	65	0	0	16,034	215	11,822
152+50	50.00	132.25	34.94	0.00	0.00	251	65	0	0	16,285	215	12,008
153+00	50.00	163.04	36.05	0.00	0.00	273	66	0	0	16,558	215	12,215
153+50	50.00	150.23	34.93	0.00	0.00	290	66	0	0	16,848	215	12,439
154+00	50.00	124.20	47.80	0.18	0.00	254	77	0	0	17,102	215	12,616
154+50	50.00	130.38	32.33	0.00	0.00	236	74	0	0	17,338	215	12,778
154+83.811	33.81	127.07	34.24	0.00	0.00	161	42	0	0	17,499	215	12,897
155+00	16.19	126.75	32.86	0.00	13.02	76	20	0	4	17,575	215	12,953
155+50	50.00	133.60	42.10	0.00	13.12	241	69	0	24	17,816	215	13,125

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	[(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

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STAGE 2 - NB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
156+00	50.00	129.20	35.43	0.00	13.10	243	72	0	24	18,059	215	13,296
156+50	50.00	127.95	38.57	0.36	13.05	238	69	0	24	18,297	215	13,465
157+00	50.00	123.60	48.62	0.01	13.06	233	81	0	24	18,530	215	13,617
157+31.971	31.97	128.73	38.07	0.00	13.09	149	51	0	15	18,679	215	13,715
157+50	18.03	126.64	36.73	0.00	13.12	85	25	0	9	18,764	215	13,775
157+62.864	12.86	126.87	33.02	0.00	13.14	60	17	0	6	18,824	215	13,818
158+00	37.14	122.58	36.28	1.09	13.16	172	48	1	18	18,996	216	13,940
158+05.69	5.69	126.70	36.15	0.00	13.16	26	8	0	3	19,022	216	13,958
158+50	44.31	121.11	32.26	1.64	13.16	203	56	1	22	19,225	217	14,104
159+00	50.00	118.62	34.14	1.95	13.11	222	61	3	24	19,447	221	14,261
159+50	50.00	119.02	38.10	0.43	13.00	220	67	2	24	19,667	224	14,411
159+75	25.00	116.41	33.68	10.92	13.00	109	33	5	12	19,776	230	14,481
160+00 BK	25.00	116.09	35.14	4.50	13.00	108	32	7	12	19,884	239	14,548
					COLUMN TOTALS	19,884	5,097	184	245			

STAGE 3 - NB TURN LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
121+00 AH	0.00	174.11	30.67	0.00	0.00	0	0	0	0	0	0	0
121+50	50.00	55.98	10.51	0.00	0.00	213	38	0	0	213	0	175
121+85 BK	35.00	55.31	10.41	0.00	0.00	72	14	0	0	285	0	233
123+00 AH	0.00	55.13	0.43	0.00	0.00	0	0	0	0	285	0	233
123+50	50.00	24.80	2.40	0.00	0.00	74	3	0	0	359	0	304
124+00	50.00	24.80	4.51	0.00	0.00	46	6	0	0	405	0	344
124+50	50.00	26.45	6.59	0.00	0.00	47	10	0	0	452	0	381
125+00	50.00	29.28	8.66	0.00	0.00	52	14	0	0	504	0	419
125+50	50.00	35.22	10.81	0.00	0.00	60	18	0	0	564	0	461
126+00	50.00	36.54	12.31	0.00	0.00	66	21	0	0	630	0	506
126+23.517	23.52	38.12	20.00	0.00	0.00	33	14	0	0	663	0	525
126+50	26.48	39.92	20.00	0.00	0.00	38	20	0	0	701	0	543
127+00 BK	50.00	44.30	7.09	0.00	0.00	78	25	0	0	779	0	596
129+50 AH	0.00	46.05	2.05	0.00	0.00	0	0	0	0	779	0	596
130+00	50.00	46.46	5.17	0.00	0.00	86	7	0	0	865	0	675
130+50	50.00	48.85	8.05	0.00	0.00	88	12	0	0	953	0	751
131+00	50.00	53.75	10.85	0.00	0.00	95	18	0	0	1,048	0	828
131+50	50.00	66.54	11.01	0.00	0.00	111	20	0	0	1,159	0	919
132+00	50.00	71.48	10.83	0.00	0.00	128	20	0	0	1,287	0	1,027
132+50	50.00	88.53	11.00	0.00	0.00	148	20	0	0	1,435	0	1,155
133+00	50.00	80.48	10.88	0.00	0.00	156	20	0	0	1,591	0	1,291
133+50	50.00	64.39	10.96	0.00	0.00	134	20	0	0	1,725	0	1,405
134+00	50.00	65.07	10.49	0.00	0.00	120	20	0	0	1,845	0	1,505
134+50	50.00	70.71	15.82	0.00	0.00	126	24	0	0	1,971	0	1,607
134+74.554	24.55	69.93	20.00	0.00	0.00	64	16	0	0	2,035	0	1,655
135+00	25.45	25.36	20.00	0.00	0.00	45	19	0	0	2,080	0	1,681
135+50 BK	50.00	26.90	5.20	0.00	0.00	48	23	0	0	2,128	0	1,706
138+00 AH	0.00	27.62	0.52	0.00	0.00	0	0	0	0	2,128	0	1,706
138+50	50.00	25.43	4.67	0.00	0.00	49	5	0	0	2,177	0	1,750
139+00	50.00	27.44	7.75	0.00	0.00	49	11	0	0	2,226	0	1,788
139+50	50.00	28.85	10.23	0.00	0.00	52	17	0	0	2,278	0	1,823
140+00	50.00	29.14	10.54	0.00	0.00	54	19	0	0	2,332	0	1,858
140+50	50.00	29.91	13.26	0.00	0.00	55	22	0	0	2,387	0	1,891
140+76.556	26.56	32.11	19.35	0.00	0.00	31	16	0	0	2,418	0	1,906
141+00	23.44	38.71	17.06	0.00	0.00	31	16	0	0	2,449	0	1,921
141+12.698	12.70	43.82	15.28	0.00	0.00	19	8	0	0	2,468	0	1,932
141+50	37.30	49.35	7.10	0.00	0.00	64	15	0	0	2,532	0	1,981
141+56 BK	6.00	52.96	7.37	0.00	0.00	11	2	0	0	2,543	0	1,990
145+00 AH	0.00	58.87	0.23	0.00	0.00	0	0	0	0	2,543	0	1,990
145+50	50.00	61.86	2.58	0.00	0.00	112	3	0	0	2,655	0	2,099
146+00	50.00	61.50	4.99	0.00	0.00	114	7	0	0	2,769	0	2,206
146+50	50.00	64.26	7.44	0.00	0.00	116	12	0	0	2,885	0	2,310
147+00	50.00	62.60	10.41	0.00	0.00	117	17	0	0	3,002	0	2,410
147+50	50.00	63.11	10.39	0.00	0.00	116	19	0	0	3,118	0	2,507
148+00	50.00	62.24	10.26	0.00	0.00	116	19	0	0	3,234	0	2,604
148+50	50.00	61.26	11.47	0.00	0.00	114	20	0	0	3,348	0	2,698
148+73.755	23.76	63.71	20.03	0.00	0.00	55	14	0	0	3,403	0	2,739
149+00	26.24	63.63	20.03	0.00	0.00	62	19	0	0	3,465	0	2,782
149+50	50.00	67.66	10.43	0.00	0.00	122	28	0	0	3,587	0	2,876
149+82.01	32.01	79.00	7.18	0.00	0.00	87	10	0	0	3,674	0	2,953
150+00 BK	17.99	72.37	0.03	0.00	0.00	50	2	0	0	3,724	0	3,001
156+00 AH	0.00	61.97	2.58	0.00	2.42	0	0	0	0	3,724	0	3,001
156+50	50.00	62.96	8.66	0.00	4.25	116	10	0	6	3,840	0	3,107
157+00	50.00	68.43	11.53	0.00	4.60	122	19	0	8	3,962	0	3,210
157+31.971	31.97	53.68	10.56	0.00	3.75	72	13	0	5	4,034	0	3,269
157+50	18.03	26.50	10.57	0.00	4.60	27	7	0	3	4,061	0	3,289
157+62.864	12.86	28.70	11.63	0.00	6.23	13	5	0	3	4,074	0	3,297
157+72.013 BK	9.15	30.65	11.29	0.00	7.86	10	4	0	2	4,084	0	3,303
					COLUMN TOTALS	4,084	781	0	27			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	[(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

9

9

PROJECT NO: 2390-12-70 | HWY: STH 31 | COUNTY: RACINE | EARTHORK DATAÈ | SHEET 927 | E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 03

PLOT DATE : 7/21/2025 4:06 PM PLOT BY : SAM FLINT PLOT NAME ` PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

STAGE 3 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
120+87.60 AH	0.00	12.20	0.00	0.00	0.00	0	0	0	0	0	0	0
121+00	12.40	12.51	4.17	0.00	0.00	6	1	0	0	6	0	5
121+25	25.00	26.21	4.31	0.00	0.00	18	4	0	0	24	0	19
121+50	25.00	25.84	4.28	0.00	0.00	24	4	0	0	48	0	39
121+75	25.00	25.76	2.84	0.00	0.00	24	3	0	0	72	0	60
122+00	25.00	24.59	2.07	0.00	0.00	23	2	0	0	95	0	81
122+25	25.00	24.57	1.81	0.00	0.00	23	2	0	0	118	0	102
122+50	25.00	26.22	1.72	0.13	0.00	24	2	0	0	142	0	124
122+75	25.00	29.12	1.71	0.05	0.00	26	2	0	0	168	0	148
123+00	25.00	30.25	1.71	0.00	0.00	27	2	0	0	195	0	173
123+25	25.00	25.22	2.52	0.01	0.00	26	2	0	0	221	0	197
123+50	25.00	20.89	3.22	0.04	0.00	21	3	0	0	242	0	215
123+75	25.00	17.12	3.23	0.06	0.00	18	3	0	0	260	0	230
124+00	25.00	14.41	3.25	0.07	0.00	15	3	0	0	275	0	242
124+25	25.00	10.89	3.25	0.09	0.00	12	3	0	0	287	0	251
124+50	25.00	6.50	3.25	0.02	0.00	8	3	0	0	295	0	256
124+75	25.00	3.85	3.23	0.17	0.00	5	3	0	0	300	0	258
125+00	25.00	1.49	3.20	0.21	0.00	2	3	0	0	302	0	257
125+25	25.00	5.99	3.25	0.00	0.00	3	3	0	0	305	0	257
125+50	25.00	8.80	3.22	0.00	0.00	7	3	0	0	312	0	261
125+75	25.00	11.32	3.18	0.00	0.00	9	3	0	0	321	0	267
126+00	25.00	5.21	0.00	0.00	0.00	8	1	0	0	329	0	274
126+25	25.00	5.12	0.00	0.00	0.00	5	0	0	0	334	0	279
126+50	25.00	5.18	0.00	0.00	0.00	5	0	0	0	339	0	284
126+75	25.00	5.71	0.00	0.00	0.00	5	0	0	0	344	0	289
127+00	25.00	8.80	0.00	0.00	0.00	7	0	0	0	351	0	296
127+25	25.00	25.32	3.84	0.12	0.00	16	2	0	0	367	0	310
127+50	25.00	26.73	2.73	0.07	0.00	24	3	0	0	391	0	331
127+75	25.00	27.23	2.53	0.01	0.00	25	2	0	0	416	0	354
128+00	25.00	24.70	2.46	0.01	0.00	24	2	0	0	440	0	376
128+25	25.00	26.97	2.51	0.01	0.00	24	2	0	0	464	0	398
128+50	25.00	28.52	2.57	0.01	0.00	26	2	0	0	490	0	422
128+75	25.00	28.84	2.66	0.01	0.00	27	2	0	0	517	0	447
129+00	25.00	29.70	2.98	0.01	0.00	27	3	0	0	544	0	471
129+25	25.00	29.29	3.99	0.02	0.00	27	3	0	0	571	0	495
129+50	25.00	26.89	4.91	0.00	0.00	26	4	0	0	597	0	517
129+75	25.00	22.91	4.66	0.00	0.00	23	4	0	0	620	0	536
130+00	25.00	18.80	4.39	0.00	0.00	19	4	0	0	639	0	551
130+25	25.00	13.13	4.00	0.00	0.00	15	4	0	0	654	0	562
130+50	25.00	9.09	3.85	0.00	0.00	10	4	0	0	664	0	568
130+76.339 BK	26.34	3.68	3.45	0.00	0.00	6	4	0	0	670	0	570
133+58.25 AH	0.00	2.23	3.36	0.00	0.00	0	0	0	0	670	0	570
133+75	16.75	4.85	3.35	0.00	0.00	2	2	0	0	672	0	570
134+00	25.00	7.61	3.35	0.00	0.00	6	3	0	0	678	0	573
134+25	25.00	10.02	3.34	0.00	0.00	8	3	0	0	686	0	578
134+50	25.00	4.92	0.00	0.00	0.00	7	2	0	0	693	0	583
134+75	25.00	4.83	0.00	0.00	0.00	5	0	0	0	698	0	588
135+00	25.00	4.93	0.00	0.00	0.00	5	0	0	0	703	0	593
135+25	25.00	11.46	0.00	0.00	0.00	8	0	0	0	711	0	601
135+50	25.00	7.74	0.00	0.00	0.00	9	0	0	0	720	0	610
135+75	25.00	26.59	4.37	0.12	0.00	16	2	0	0	736	0	624
136+00	25.00	29.04	3.29	0.06	0.00	26	4	0	0	762	0	646
136+25	25.00	30.92	3.01	0.00	0.00	28	3	0	0	790	0	671
136+50	25.00	30.65	3.00	0.01	0.00	29	3	0	0	819	0	697
136+75	25.00	29.96	2.97	0.01	0.00	28	3	0	0	847	0	722
137+00	25.00	29.34	2.94	0.01	0.00	27	3	0	0	874	0	746
137+25	25.00	28.67	2.94	0.00	0.00	27	3	0	0	901	0	770
137+50	25.00	29.55	3.00	0.00	0.00	27	3	0	0	928	0	794
137+75	25.00	28.30	3.90	0.02	0.00	27	3	0	0	955	0	818
138+00	25.00	25.94	5.02	0.05	0.00	25	4	0	0	980	0	839
138+25	25.00	20.27	5.21	0.06	0.00	21	5	0	0	1,001	0	855
138+50	25.00	15.98	4.60	0.07	0.00	17	5	0	0	1,018	0	867
138+75	25.00	10.09	3.95	0.00	0.00	12	4	0	0	1,030	0	875
139+00	25.00	4.62	3.30	0.00	0.00	7	3	0	0	1,037	0	879
139+12.551 BK	12.55	1.64	2.98	0.00	0.00	1	1	0	0	1,038	0	879
139+65 AH	0.00	0.67	3.37	0.00	0.00	0	0	0	0	1,038	0	879
139+75	10.00	2.18	3.35	0.00	0.00	1	1	0	0	1,039	0	879
140+00.008	25.01	5.84	3.31	0.00	0.00	4	3	0	0	1,043	0	880
140+25	24.99	8.85	3.29	0.00	0.00	7	3	0	0	1,050	0	884
140+50	25.00	5.16	0.00	0.00	0.00	6	2	0	0	1,056	0	888
140+75	25.00	5.04	0.00	0.00	0.00	5	0	0	0	1,061	0	893
141+00	25.00	5.01	0.00	0.00	0.00	5	0	0	0	1,066	0	898
141+25	25.00	8.57	0.00	0.00	0.00	6	0	0	0	1,072	0	904
141+50	25.00	3.82	1.41	0.00	0.00	6	1	0	0	1,078	0	909
141+75	25.00	26.58	9.33	0.08	0.00	14	5	0	0	1,092	0	918
142+00	25.00	29.19	8.26	0.00	0.00	26	8	0	0	1,118	0	936
142+25	25.00	32.81	7.38	0.00	0.00	29	7	0	0	1,147	0	958
142+50	25.00	34.94	7.40	0.00	0.00	31	7	0	0	1,178	0	982
142+75	25.00	36.54	7.44	0.00	0.00	33	7	0	0	1,211	0	1,008

(CONTINUED)

STAGE 3 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
143+00	25.00	38.63	7.46	0.00	0.00	35	7	0	0	1,246	0	1,036
143+25	25.00	39.75	7.46	0.00	0.00	36	7	0	0	1,282	0	1,065
143+50	25.00	41.31	7.45	0.00	0.00	38	7	0	0	1,320	0	1,096
143+75	25.00	42.38	7.47	0.00	0.00	39	7	0	0	1,359	0	1,128
144+00	25.00	41.74	7.51	0.00	0.00	39	7	0	0	1,398	0	1,160
144+25	25.00	43.82	7.53	0.00	0.00	40	7	0	0	1,438	0	1,193
144+50	25.00	43.62	7.53	0.00	0.00	40	7	0	0	1,478	0	1,226
144+75	25.00	46.46	9.58	0.00	0.00	42	8	0	0	1,520	0	1,260
145+00	25.00	45.32	10.02	0.00	0.00	42	9	0	0	1,562	0	1,293
145+25	25.00	39.77	10.04	0.00	0.00	39	9	0	0	1,601	0	1,323
145+50	25.00	33.70	9.05	0.00	0.00	34	9	0	0	1,635	0	1,348
145+75	25.00	27.60	7.73	0.00	0.00	28	8	0	0	1,663	0	1,368
146+00	25.00	20.97	6.42	0.00	0.00	22	7	0	0	1,685	0	1,383
146+25	25.00	14.20	5.10	0.00	0.00	16	5	0	0	1,701	0	1,394
146+50	25.00	7.40	3.78	0.00	0.00	10	4	0	0	1,711	0	1,400
146+57.19 BK	7.19	5.42	3.40	0.00	0.00	2	1	0	0	1,713	0	1,401
147+65.4 AH	0.00	3.76	3.34	0.00	0.00	0	0	0	0	1,713	0	1,401
147+75	9.60	4.81	3.34	0.00	0.00	2	1	0	0	1,715	0	1,402
148+00	25.00	7.35	3.35	0.00	0.00	6	3	0	0	1,721	0	1,405
148+25	25.00	9.99	3.39	0.00	0.00	8	3	0	0	1,729	0	1,410
148+50	25.00	5.07	0.00	0.00	0.00	7	2	0	0	1,736	0	1,415
148+75	25.00	4.79	0.00	0.00	0.00	5	0	0	0	1,741	0	1,420
149+00	25.00	4.96	0.00	0.00	0.00	5	0	0	0	1,746	0	1,425
149+25	25.00	4.92	0.00	0.00	0.00	5	0	0	0	1,751	0	1,430
149+50	25.00	10.23	0.00	0.00	0.00	7	0	0	0	1,758	0	1,437
149+75	25.00	4.26	3.41	0.00	0.00	7	2	0	0	1,765	0	1,442
150+00	25.00	25.10	10.84	0.00	0.00	14	7	0	0	1,779	0	1,449
150+25	25.00	25.00	10.52	0.00	0.00	23	10	0	0	1,802	0	1,462
150+50	25.00	26.70	10.50	0.00	0.00	24	10	0	0	1,826	0	1,476
150+75	25.00	28.87	10.51	0.00	0.00	26	10	0	0	1,852	0	1,492
151+00	25.00	29.58	10.51	0.00	0.00	27	10	0	0	1,879	0	1,509
151+25	25.00	29.03	10.55	0.00	0.00	27	10	0	0	1,906	0	1,526
151+50	25.00	29.06	10.54	0.00	0.00	27	10	0	0	1,933	0	1,543
151+75	25.00	29.93	10.49	0.00	0.00	27	10	0	0	1,960	0	1,560
152+00	25.00	30.49	10.46	0.00	0.00	28	10	0	0	1,988	0	1,578
152+25	25.00	30.91	10.49	0.00	0.00	28	10	0	0	2,016	0	1,596
152+50	25.00	31.37	10.48	0.00	0.00	29	10	0	0	2,045	0	1,615
152+75	25.00	29.99	3.38	0.00	0.00	28	6	0	0	2,073	0	1,637
153+00	25.00	30.03	4.32	0.00	0.00	28	4	0	0	2,101	0	1,661
153+25	25.00	30.49	5.28	0.00	0.00	28	4	0	0	2,129	0	1,685
153+50	25.00	30.96	6.28	0.00	0.00	28	5	0	0	2,157	0	1,708
153+75	25.00	29.93	7.12	0.00	0.00	28	6	0	0	2,185	0	1,730
154+00	25.00	27.07	6.72	0.00	0.00	26	6	0	0	2,211	0	1,750
154+25	25.00	24.66	6.90	0.04	0.00	24	6	0	0	2,235	0	1,768
154+50	25.00	30.49	8.33	0.00	0.00	26	7	0	0	2,261	0	1,787
154+75	25.00	31.05	7.82	0.00	0.00	28	7	0	0	2,289	0	1,808
155+00	25.00	31.49	7.29	0.00	0.00	29	7	0	0	2,318	0	1,830
155+25	25.00	26.59	6.73	0.03	0.00	27	6	0	0	2,345	0	1,851
155+50	25.00	22.03	6.17	0.00	0.00	23	6	0	0	2,368	0	1,868
155+75	25.00	23.66	5.72	0.00	0.00	21	6	0	0	2,389	0	1,883
156+00	25.00	19.15	5.73	0.00	0.00	20	5	0	0	2,409	0	1,898
156+25	25.00	13.23	5.75	0.00	0.00	15	5	0	0	2,424	0	1,908
156+50	25.00	5.80	5.75	0.00	0.00	9	5	0	0	2,433	0	1,912
156+65.225 BK	15.22	2.74	5.74	0.00	0.00	2	3	0	0	2,435	0	1,911
157+45.099 AH	0.00	1.02	6.98	0.00	0.00	0	0	0	0	2,435	0	1,911
157+65.278	20.18	12.98	6.95	0.00	0.00	5	5	0	0	2,440	0	1,911
157+72.325	7.05	11.57	0.00	0.00	0.00	3	1	0	0	2,443	0	1,913
157+77.029	4.70	20.81	0.00	0.00	0.00	3	0	0	0	2,446	0	1,916
157+80.335	3.31	23.47	0.00	0.00	0.00	3	0	0	0	2,449	0	1,919
158+00	19.67	26.28	0.00	0.00	0.00	18	0	0	0	2,467	0	1,937
158+25	25.00	26.59	0.00	0.00	0.00	24	0	0	0	2,491	0	1,961
158+42.63	17.63	27.91	0.00	0.00	0.00	18	0	0	0	2,509	0	1,979
158+51.25	8.62	20.90	0.89	0.00	0.00	8	0	0	0	2,517	0	1,987
158+75	23.75	15.97	1.44	0.00	0.00	16	1	0	0	2,533	0	2,002
159+00	25.00	16.80	1.55	0.00	0.00	15	1	0	0	2,548	0	2,016
159+25	25.00	17.36	1.58	0.00	0.00	16	1	0	0	2,564	0	2,031
159+50	25.00	20.17	1.70	0.00	0.00	17	2	0	0	2,581	0	2,046
159+75	25.00	22.16	2.87	0.00	0.00	20	2	0	0	2,601	0	2,064
160+00	25.00	24.44	4.05	0.00	0.00	22	3	0	0	2,623	0	2,083
160+25	25.00	25.01	5.14	0.00	0.00	23	4	0	0	2,646	0	2,102
160+50	25.00	21.71	5.79	0.00	0.00	22	5	0	0	2,668	0	2,119
160+75	25.00	18.50	5.82	0.00	0.00	19	5	0	0	2,687	0	2,133
161+00	25.00	16.91	5.73	0.00	0.00	16	5	0	0	2,703	0	2,144
161+25	25.00	16.65	5.76	0.00	0.00	16	5	0	0	2,719	0	2,155
161+50	25.00	20.43	5.80	0.00	0.00	17	5	0	0	2,736	0	2,167
161+75	25.00	17.46	5.78	0.00	0.00	18	5	0	0	2,754	0	2,180
162+00	25.00	14.73	6.47	0.00	0.00	15	6	0	0	2,769	0	2,189
162+14.364 BK	14.36	7.24	0.19	0.00	0.00	6	2	0	0	2,775	0	2,193
					COLUMN TOTALS	2,775	582	0	0			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	[(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

9

9

PROJECT NO: 2390-12-70 | HWY: STH 31 | COUNTY: RACINE | EARTHORK DATAÈ | SHEET 928 | E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 04

PLOT DATE : 7/21/2025 4:06 PM PLOT BY : SAM FLINT PLOT NAME ` PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

STAGE 4 - SB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
121+00 AH	0.00	59.87	22.50	0.00	0.00	0	0	0	0	0	0	0
121+50	50.00	57.89	19.05	0.00	0.00	109	38	0	0	109	0	71
122+00	50.00	101.10	24.23	0.47	0.00	147	40	0	0	256	0	178
122+50	50.00	134.24	35.95	0.13	0.00	218	56	1	0	474	1	339
123+00	50.00	136.74	37.14	0.19	0.00	251	68	0	0	725	1	522
123+50	50.00	143.45	35.52	0.00	0.00	259	67	0	0	984	1	714
124+00	50.00	141.94	34.49	0.00	0.00	264	65	0	0	1,248	1	913
124+50	50.00	133.42	34.92	0.00	0.00	255	64	0	0	1,503	1	1,104
125+00	50.00	128.73	33.11	0.00	0.00	243	63	0	0	1,746	1	1,284
125+50	50.00	123.66	32.17	0.07	0.00	234	60	0	0	1,980	1	1,458
126+00	50.00	171.48	39.62	2.88	0.00	273	66	3	0	2,253	5	1,661
126+23.517	23.52	314.60	71.30	0.00	0.00	212	48	1	0	2,465	7	1,824
126+50	26.48	331.00	71.82	0.00	0.00	317	70	0	0	2,782	7	2,071
127+00	50.00	127.77	29.04	1.38	0.00	425	93	1	0	3,207	8	2,401
127+50	50.00	118.66	31.36	2.01	0.00	228	56	3	0	3,435	12	2,569
128+00	50.00	115.38	30.96	3.79	0.00	217	58	5	0	3,652	18	2,722
128+50	50.00	119.71	31.45	1.25	0.00	218	58	5	0	3,870	25	2,875
129+00	50.00	120.22	30.11	1.12	0.00	222	57	2	0	4,092	27	3,038
129+50	50.00	121.81	30.38	0.54	0.00	224	56	2	0	4,316	30	3,203
130+00	50.00	122.37	27.15	0.67	0.00	226	53	1	0	4,542	31	3,375
130+50	50.00	122.37	28.08	0.43	0.00	227	51	1	0	4,769	33	3,550
131+00	50.00	122.90	32.20	0.41	0.00	227	56	1	0	4,996	34	3,719
131+50	50.00	126.53	32.59	0.15	0.00	231	60	1	0	5,227	35	3,889
132+00	50.00	123.37	33.29	1.02	0.00	231	61	1	0	5,458	36	4,058
132+50	50.00	127.22	32.29	0.04	0.00	232	61	1	0	5,690	38	4,227
133+00	50.00	123.40	33.71	0.30	0.00	232	61	0	0	5,922	38	4,398
133+50	50.00	121.89	35.29	0.16	0.00	227	64	0	0	6,149	38	4,561
134+00	50.00	116.02	33.72	1.34	0.00	220	64	1	0	6,369	39	4,716
134+50	50.00	120.31	30.49	0.55	0.00	219	59	2	0	6,588	42	4,873
134+74.554	24.55	282.01	64.58	0.00	0.00	183	43	0	0	6,771	42	5,013
135+00	25.45	294.34	65.61	0.00	0.00	272	61	0	0	7,043	42	5,224
135+50	50.00	124.93	29.49	0.00	0.00	388	88	0	0	7,431	42	5,524
136+00	50.00	121.38	30.86	0.09	0.00	228	56	0	0	7,659	42	5,696
136+50	50.00	117.98	28.19	0.25	0.00	222	55	0	0	7,881	42	5,863
137+00	50.00	119.18	28.15	0.12	0.00	220	52	0	0	8,101	42	6,031
137+50	50.00	120.56	24.65	0.00	0.00	222	49	0	0	8,323	42	6,204
138+00	50.00	124.09	30.43	0.00	0.00	227	51	0	0	8,550	42	6,380
138+50	50.00	135.23	29.32	0.00	0.00	240	55	0	0	8,790	42	6,565
139+00	50.00	129.66	30.60	0.02	0.00	245	55	0	0	9,035	42	6,755
139+50	50.00	136.63	36.24	0.00	0.00	247	62	0	0	9,282	42	6,940
140+00	50.00	126.11	37.27	0.00	0.00	243	68	0	0	9,525	42	7,115
140+50	50.00	335.95	71.69	0.00	0.00	428	101	0	0	9,953	42	7,442
140+76.556	26.56	379.35	46.01	0.00	0.00	352	58	0	0	10,305	42	7,736
141+00	23.44	323.75	67.89	0.00	0.00	305	49	0	0	10,610	42	7,992
141+12.698	12.70	147.59	27.15	0.00	0.00	111	22	0	0	10,721	42	8,081
141+50	37.30	110.75	31.04	1.53	0.00	178	40	1	0	10,899	43	8,218
142+00	50.00	114.71	31.50	0.63	0.00	209	58	2	0	11,108	46	8,367
142+50	50.00	119.29	31.92	0.00	0.00	217	59	1	0	11,325	47	8,523
143+00	50.00	121.24	30.15	0.00	0.00	223	57	0	0	11,548	47	8,689
143+50	50.00	125.94	29.92	0.00	0.00	229	56	0	0	11,777	47	8,862
144+00	50.00	129.20	30.10	0.00	0.00	236	56	0	0	12,013	47	9,042
144+50	50.00	123.24	29.46	0.00	0.00	234	55	0	0	12,247	47	9,221
145+00	50.00	134.10	32.83	0.00	0.00	238	58	0	0	12,485	47	9,401
145+50	50.00	133.24	34.28	0.00	0.00	248	62	0	0	12,733	47	9,587
146+00	50.00	126.63	37.44	0.00	0.00	241	66	0	0	12,974	47	9,762
146+50	50.00	119.50	37.76	0.11	0.00	228	70	0	0	13,202	47	9,920
147+00	50.00	121.47	38.27	0.41	0.00	223	70	0	0	13,425	47	10,073
147+50	50.00	122.62	34.97	0.00	0.00	226	68	0	0	13,651	47	10,231
148+00	50.00	117.60	34.49	0.00	0.00	222	64	0	0	13,873	47	10,389
148+50	50.00	314.39	36.69	0.00	0.00	400	66	0	0	14,273	47	10,723
148+73.755	23.76	313.21	60.76	0.00	0.00	276	43	0	0	14,549	47	10,956
149+00	26.24	328.78	70.36	0.00	0.00	312	64	0	0	14,861	47	11,204
149+50	50.00	135.85	30.99	0.13	0.00	430	94	0	0	15,291	47	11,540
150+00	50.00	119.35	31.12	0.00	0.00	236	58	0	0	15,527	47	11,718
150+50	50.00	119.14	31.27	0.22	0.00	221	58	0	0	15,748	47	11,881
150+74.435	24.44	122.05	40.88	0.00	0.00	109	33	0	0	15,857	47	11,957
151+00	25.56	120.17	30.83	0.00	0.00	115	34	0	0	15,972	47	12,038
151+50	50.00	122.30	31.44	1.59	0.00	225	58	1	0	16,197	48	12,204
152+00	50.00	121.60	31.14	1.23	0.00	226	58	3	0	16,423	52	12,368
152+50	50.00	126.67	30.84	1.01	0.00	230	57	2	0	16,653	55	12,538
153+00	50.00	134.82	29.14	0.00	0.00	242	56	1	0	16,895	56	12,723
153+50	50.00	135.60	29.35	0.00	0.00	250	54	0	0	17,145	56	12,919
154+00	50.00	134.70	29.94	0.00	0.00	250	55	0	0	17,395	56	13,114
154+50	50.00	149.89	29.86	0.00	0.00	264	55	0	0	17,659	56	13,323
154+83.811	33.81	230.71	49.92	0.00	0.00	238	50	0	0	17,897	56	13,511
155+00	16.19	229.93	41.38	0.00	13.18	138	27	0	4	18,035	56	13,622
155+50	50.00	127.03	34.49	0.00	13.86	331	70	0	25	18,366	56	13,883

(CONTINUED)

STAGE 4 - SB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
156+00	50.00	123.58	37.85	0.51	13.83	232	67	0	26	18,598	56	14,048
156+50	50.00	124.25	38.67	0.08	13.80	229	71	1	26	18,827	57	14,205
157+00	50.00	125.07	38.15	0.02	13.78	231	71	0	26	19,058	57	14,365
157+31.971	31.97	124.08	35.37	0.22	13.76	148	44	0	16	19,206	57	14,469
157+50	18.03	123.42	35.16	0.00	12.93	83	24	0	9	19,289	57	14,528
157+62.864	12.86	124.08	32.42	0.00	12.96	59	16	0	6	19,348	57	14,571
158+00	37.14	210.35	49.93	0.00	13.05	230	57	0	18	19,578	57	14,744
158+05.69	5.69	212.72	50.68	0.00	13.07	45	11	0	3	19,623	57	14,778
158+50	44.31	121.49	33.77	0.65	13.15	274	69	1	22	19,897	59	14,982
159+00	50.00	127.01	35.56	0.14	12.87	230	64	1	24	20,127	60	15,146
159+50	50.00	134.40	36.16	0.00	12.88	242	66	0	24	20,369	60	15,322
159+75 BK	25.00	139.75	33.97	0.00	13.17	127	32	0	12	20,496	60	15,417
					COLUMN TOTALS	20,496	5,019	46	241			

STAGE 4 - TEMPORARY PAVEMENT SB TRANSITION

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
157+65.278 AH	0.00	11.94	0.04	0.00	0.00	0	0	0	0	0	0	0
157+75	9.72	10.12	8.00	0.00	0.00	4	1	0	0	4	0	3
158+00	25.00	10.26	8.00	0.00	0.00	9	7	0	0	13	0	5
158+25	25.00	11.24	8.00	0.00	0.00	10	7	0	0	23	0	8
158+42.618 BK	17.62	11.38	8.00	0.00	0.00	7	5	0	0	30	0	10
159+75 AH	0.00	60.48	33.97	0.00	0.00	0	0	0	0	30	0	10
160+00	25.00	56.42	37.55	0.00	0.00	54	33	0	0	84	0	31
160+25	25.00	51.48	32.43	0.00	0.00	50	32	0	0	134	0	49
160+50 BK	25.00	46.89	34.60	0.00	0.00	46	31	0	0	180	0	64
					COLUMN TOTALS	180	116	0	0			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	((CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR))

STAGE 5 - PROPOSED SB TURN LANES & MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
121+00 AH	0.00	121.47	8.76	0.00	0.00	0	0	0	0	0	0	0
121+50	50.00	123.07	8.76	0.00	0.00	226	16	0	0	226	0	210
122+00	50.00	126.50	8.76	0.00	0.00	231	16	0	0	457	0	425
122+50	50.00	95.91	9.30	0.00	0.00	206	17	0	0	663	0	614
123+00	50.00	87.69	8.60	0.00	0.00	170	17	0	0	833	0	767
123+50	50.00	74.43	6.70	0.00	0.00	150	14	0	0	983	0	903
124+00	50.00	57.78	4.81	0.00	0.00	122	11	0	0	1,105	0	1,014
124+50	50.00	39.83	2.36	0.00	0.00	90	7	0	0	1,195	0	1,097
125+00	50.00	23.35	0.52	0.00	0.00	59	3	0	0	1,254	0	1,153
125+50	50.00	22.96	2.56	0.00	0.00	43	3	0	0	1,297	0	1,193
126+00	50.00	23.61	1.67	0.00	0.00	43	4	0	0	1,340	0	1,232
126+23.517	23.52	23.66	1.67	0.00	0.00	21	1	0	0	1,361	0	1,252
126+50	26.48	23.49	1.67	0.00	0.00	23	2	0	0	1,384	0	1,273
127+00	50.00	23.76	2.69	0.00	0.00	44	4	0	0	1,428	0	1,313
127+50	50.00	85.67	9.31	0.00	0.00	101	11	0	0	1,529	0	1,403
128+00	50.00	83.16	9.31	0.00	0.00	156	17	0	0	1,685	0	1,542
128+50	50.00	83.28	9.31	0.00	0.00	154	17	0	0	1,839	0	1,679
129+00	50.00	83.15	9.31	0.00	0.00	154	17	0	0	1,993	0	1,816
129+50	50.00	68.98	7.64	0.00	0.00	141	16	0	0	2,134	0	1,941
130+00	50.00	50.76	5.10	0.00	0.00	111	12	0	0	2,245	0	2,040
130+50	50.00	32.69	2.01	0.00	0.00	77	7	0	0	2,322	0	2,110
131+00	50.00	15.49	0.00	0.00	0.00	45	2	0	0	2,367	0	2,153
131+50	50.00	15.66	0.00	0.00	0.00	29	0	0	0	2,396	0	2,182
132+00	50.00	14.94	0.00	0.00	0.00	28	0	0	0	2,424	0	2,210
132+50	50.00	15.29	0.00	0.00	0.00	28	0	0	0	2,452	0	2,238
133+00	50.00	15.24	0.00	0.00	0.00	28	0	0	0	2,480	0	2,266
133+50	50.00	14.85	0.00	0.00	0.00	28	0	0	0	2,508	0	2,294
134+00	50.00	21.63	2.17	0.00	0.00	34	2	0	0	2,542	0	2,326
134+50	50.00	22.55	1.67	0.00	0.00	41	4	0	0	2,583	0	2,363
134+74.554	24.55	22.42	1.67	0.00	0.00	20	2	0	0	2,603	0	2,381
135+00	25.45	22.94	1.67	0.00	0.00	21	2	0	0	2,624	0	2,400
135+50	50.00	23.61	2.47	0.00	0.00	43	4	0	0	2,667	0	2,439
136+00	50.00	85.02	9.31	0.00	0.00	101	11	0	0	2,768	0	2,529
136+50	50.00	82.81	9.31	0.00	0.00	155	17	0	0	2,923	0	2,667
137+00	50.00	83.01	9.31	0.00	0.00	154	17	0	0	3,077	0	2,804
137+50	50.00	83.15	9.31	0.00	0.00	154	17	0	0	3,231	0	2,941
138+00	50.00	77.32	8.86	0.00	0.00	149	17	0	0	3,380	0	3,073
138+50	50.00	53.35	5.43	0.00	0.00	121	13	0	0	3,501	0	3,181
139+00	50.00	25.26	1.39	0.00	0.00	73	6	0	0	3,574	0	3,248
139+50	50.00	15.25	0.00	0.00	0.00	38	1	0	0	3,612	0	3,285
140+00	50.00	10.06	1.56	0.00	0.00	23	1	0	0	3,635	0	3,307
140+50	50.00	23.26	1.67	0.00	0.00	31	3	0	0	3,666	0	3,335
140+76.556	26.56	23.36	1.67	0.00	0.00	23	2	0	0	3,689	0	3,356
141+00	23.44	23.07	1.67	0.00	0.00	20	1	0	0	3,709	0	3,375
141+12.698	12.70	22.86	1.66	0.00	0.00	11	1	0	0	3,720	0	3,385
141+50	37.30	22.78	1.41	0.00	0.00	32	2	0	0	3,752	0	3,415
142+00	50.00	70.67	9.31	0.00	0.00	87	10	0	0	3,839	0	3,492
142+50	50.00	62.86	9.31	0.00	0.00	124	17	0	0	3,963	0	3,599
143+00	50.00	58.84	9.31	0.00	0.00	113	17	0	0	4,076	0	3,695
143+50	50.00	57.81	9.31	0.00	0.00	108	17	0	0	4,184	0	3,786
144+00	50.00	58.21	9.31	0.00	0.00	107	17	0	0	4,291	0	3,876
144+50	50.00	61.35	9.31	0.00	0.00	111	17	0	0	4,402	0	3,970
145+00	50.00	58.64	8.66	0.00	0.00	111	17	0	0	4,513	0	4,064
145+50	50.00	46.93	6.13	0.00	0.00	98	14	0	0	4,611	0	4,148
146+00	50.00	34.11	3.53	0.00	0.00	75	9	0	0	4,686	0	4,214
146+50	50.00	20.10	0.86	0.00	0.00	50	4	0	0	4,736	0	4,260
147+00	50.00	13.71	0.00	0.00	0.00	31	1	0	0	4,767	0	4,290
147+50	50.00	14.35	0.00	0.00	0.00	26	0	0	0	4,793	0	4,316
148+00	50.00	21.47	1.85	0.00	0.00	33	2	0	0	4,826	0	4,347
148+50	50.00	23.02	1.67	0.00	0.00	41	3	0	0	4,867	0	4,385
148+73.755	23.76	22.53	1.67	0.00	0.00	20	1	0	0	4,887	0	4,404
149+00	26.24	22.82	1.67	0.00	0.00	22	2	0	0	4,909	0	4,424
149+50	50.00	22.97	3.35	0.00	0.00	42	5	0	0	4,951	0	4,461
150+00	50.00	79.60	8.75	0.00	0.00	95	11	0	0	5,046	0	4,545
150+50	50.00	83.48	8.76	0.00	0.00	151	16	0	0	5,197	0	4,680
150+74.435	24.44	83.57	8.76	0.00	0.00	76	8	0	0	5,273	0	4,748
151+00	25.56	84.11	8.76	0.00	0.00	79	8	0	0	5,352	0	4,819
151+50	50.00	85.87	8.76	0.00	0.00	157	16	0	0	5,509	0	4,960
152+00	50.00	85.50	8.76	0.00	0.00	159	16	0	0	5,668	0	5,103
152+50	50.00	84.92	8.75	0.00	0.00	158	16	0	0	5,826	0	5,245
153+00	50.00	83.66	8.75	0.00	0.00	156	16	0	0	5,982	0	5,385
153+50	50.00	81.79	8.75	0.00	0.00	153	16	0	0	6,135	0	5,522
154+00	50.00	84.53	8.75	0.00	0.00	154	16	0	0	6,289	0	5,660
154+50	50.00	86.55	11.67	0.00	0.00	158	19	0	0	6,447	0	5,799
154+83.811	33.81	85.32	11.67	0.00	0.00	108	15	0	0	6,555	0	5,892
155+00	16.19	84.79	11.67	0.00	3.20	51	7	0	1	6,606	0	5,936
155+50	50.00	80.74	7.15	0.00	2.24	153	17	0	5	6,759	0	6,072

(CONTINUED)

STAGE 5 - PROPOSED SB TURN LANES & MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
156+00	50.00	71.87	5.06	0.00	2.07	141	11	0	4	6,900	0	6,202
156+50	50.00	55.41	1.50	0.00	2.06	118	6	0	4	7,018	0	6,314
157+00	50.00	55.39	0.00	0.00	2.15	103	1	0	4	7,121	0	6,416
157+31.971	31.97	54.59	0.00	0.00	3.26	65	0	0	3	7,186	0	6,481
157+50	18.03	43.83	1.01	0.00	4.74	33	0	0	3	7,219	0	6,514
157+62.864	12.86	45.05	3.50	0.00	5.40	21	1	0	2	7,240	0	6,534
158+00	37.14	68.29	5.91	0.00	9.32	78	6	0	10	7,318	0	6,606
158+05.69	5.69	81.91	4.71	0.00	9.32	16	1	0	2	7,334	0	6,621
158+50	44.31	88.05	6.68	0.00	8.12	139	9	0	14	7,473	0	6,751
159+00	50.00	38.87	4.41	0.00	6.79	118	10	0	14	7,591	0	6,859
159+50	50.00	39.97	4.52	0.00	6.90	73	8	0	13	7,664	0	6,924
159+75 BK	25.00	27.59	4.35	0.00	5.49	31	4	0	6	7,695	0	6,951
					COLUMN TOTALS	7,695	744	0	85			

STAGE 5 - TEMPORARY PAVEMENT SB TRANSITION

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
159+75 AH	0.00	22.02	0.00	0.00	0.00	0	0	0	0	0	0	0
160+00	25.00	14.90	0.00	0.00	0.00	17	0	0	0	17	0	17
160+25	25.00	9.69	0.00	0.00	0.00	11	0	0	0	28	0	28
160+50 BK	25.00	5.31	0.00	0.00	0.00	7	0	0	0	35	0	35
					COLUMN TOTALS	35	0	0	0			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	((CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

PROJECT NO: 2390-12-70 | HWY: STH 31 | COUNTY: RACINE | EARTHORK DATAÈ | SHEET 930 | E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 06

PLOT DATE : 7/21/2025 4:06 PM PLOT BY : SAM FLINT PLOT NAME ` PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

STAGE 6 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
157+72.963 AH	0.00	5.61	2.70	0.00	0.00	0	0	0	0	0	0	0
157+85	12.04	23.56	2.70	0.00	0.00	7	1	0	0	7	0	6
157+92.628	7.63	34.23	2.70	0.00	0.00	8	1	0	0	15	0	13
158+00	7.37	44.67	2.70	0.00	0.00	11	1	0	0	26	0	23
158+13.785	13.78	22.85	2.70	0.00	0.00	17	1	0	0	43	0	39
158+25	11.22	12.75	2.70	0.00	0.00	7	1	0	0	50	0	45
158+37.704 BK	12.70	3.70	2.70	0.00	0.00	4	1	0	0	54	0	48
158+46.294 AH	0.00	19.77	2.70	0.00	0.00	0	0	0	0	54	0	48
158+50	3.71	20.51	2.70	0.00	0.00	3	0	0	0	57	0	51
158+75	25.00	24.34	2.70	0.00	0.00	21	3	0	0	78	0	69
159+00	25.00	21.64	2.70	0.00	0.00	21	2	0	0	99	0	88
159+25	25.00	18.87	2.70	0.00	0.00	19	3	0	0	118	0	104
159+50	25.00	15.93	2.70	0.00	0.00	16	3	0	0	134	0	117
159+75	25.00	19.71	2.70	0.00	0.00	17	3	0	0	151	0	131
160+00	25.00	27.93	2.70	0.04	0.00	22	3	0	0	173	0	150
160+25	25.00	29.48	2.70	0.07	0.00	27	2	0	0	200	0	175
160+50	25.00	28.28	2.70	0.13	0.00	27	3	0	0	227	0	199
160+75	25.00	23.31	2.70	0.12	0.00	24	2	0	0	251	0	221
161+00	25.00	21.38	2.70	0.19	0.00	21	3	0	0	272	0	239
161+25	25.00	20.24	2.70	0.38	0.00	19	3	0	0	291	0	255
161+50	25.00	19.80	2.70	0.79	0.00	19	3	1	0	310	1	270
161+75	25.00	20.97	2.70	0.15	0.00	19	2	0	0	329	1	287
162+00	25.00	22.62	2.70	0.00	0.00	20	2	0	0	349	1	305
162+14.545 BK	14.55	7.38	2.70	0.00	0.00	8	1	0	0	357	1	312
162+77.209 AH	0.00	6.99	2.70	0.00	0.00	0	0	0	0	357	1	312
163+00	22.79	9.64	2.70	2.13	0.00	7	2	1	0	364	3	315
163+25	25.00	5.47	2.70	0.00	0.00	7	3	1	0	371	4	318
163+50	25.00	5.30	2.70	0.00	0.00	5	2	0	0	376	4	321
163+75	25.00	5.31	2.70	0.00	0.00	5	3	0	0	381	4	323
164+00	25.00	7.92	2.70	0.12	0.00	6	2	0	0	387	4	327
164+25	25.00	10.89	2.70	0.05	0.00	9	2	0	0	396	4	334
164+50	25.00	13.78	2.70	0.21	0.00	11	3	0	0	407	4	342
164+75	25.00	16.53	2.70	0.32	0.00	14	3	0	0	421	4	353
165+00	25.00	17.46	2.70	0.01	0.00	16	3	0	0	437	4	366
165+25	25.00	17.59	2.70	0.00	0.00	16	3	0	0	453	4	379
165+50	25.00	16.98	2.70	0.19	0.00	16	3	0	0	469	4	392
165+75	25.00	16.48	2.70	0.37	0.00	15	3	0	0	484	4	404
166+00	25.00	16.04	2.70	0.42	0.00	15	2	0	0	499	4	417
166+25	25.00	17.03	2.70	0.12	0.00	15	3	0	0	514	4	429
166+61.146 BK	36.15	12.49	2.91	0.00	0.00	20	4	0	0	534	4	445
167+34.645 AH	0.00	8.28	6.60	0.00	0.00	0	0	0	0	534	4	445
167+50	15.35	14.64	6.60	0.47	0.00	7	4	0	0	541	4	448
167+75	25.00	10.20	6.60	0.01	0.00	11	6	0	0	552	4	453
168+00	25.00	10.88	6.60	0.01	0.00	10	6	0	0	562	4	457
168+25	25.00	10.90	6.60	0.01	0.00	10	6	0	0	572	4	461
168+50	25.00	12.64	6.60	0.06	0.00	11	6	0	0	583	4	466
168+75	25.00	10.95	6.60	0.01	0.00	11	6	0	0	594	4	471
169+00	25.00	13.23	6.60	0.01	0.00	11	6	0	0	605	4	476
169+25	25.00	18.72	6.60	0.00	0.00	15	6	0	0	620	4	485
169+50	25.00	20.45	6.60	0.00	0.00	18	6	0	0	638	4	497
169+75	25.00	24.74	6.60	0.00	0.00	21	6	0	0	659	4	512
170+00	25.00	30.64	6.60	0.00	0.00	26	6	0	0	685	4	532
170+25	25.00	27.74	6.60	0.00	0.00	27	6	0	0	712	4	553
170+50	25.00	28.33	6.60	0.00	0.00	26	6	0	0	738	4	573
170+75	25.00	30.20	6.60	0.00	0.00	27	6	0	0	765	4	594
171+08.605 BK	33.60	8.23	6.60	0.00	0.00	24	8	0	0	789	4	610
171+59.578 AH	0.00	5.74	6.60	0.00	0.00	0	0	0	0	789	4	610
171+75	15.42	31.59	6.60	0.01	0.00	11	4	0	0	800	4	617
172+00	25.00	41.40	6.60	0.24	0.00	34	6	0	0	834	4	645
172+25	25.00	44.25	9.30	0.02	0.00	40	7	0	0	874	4	678
172+50	25.00	40.70	9.21	0.01	0.00	39	9	0	0	913	4	708
172+75	25.00	37.82	11.00	0.00	0.00	36	9	0	0	949	4	735
173+00	25.00	36.69	12.90	0.01	0.00	34	11	0	0	983	4	758
173+25	25.00	37.75	13.84	0.00	0.00	34	12	0	0	1,017	4	780
173+50	25.00	37.56	13.69	0.00	0.00	35	13	0	0	1,052	4	802
173+75	25.00	37.64	13.60	0.00	0.00	35	13	0	0	1,087	4	824
174+00	25.00	38.02	13.57	0.00	0.00	35	13	0	0	1,122	4	846
174+25	25.00	38.06	13.56	0.00	0.00	35	13	0	0	1,157	4	868
174+50	25.00	37.65	13.59	0.00	0.00	35	13	0	0	1,192	4	890
174+75	25.00	36.70	13.61	0.00	0.00	34	13	0	0	1,226	4	911
175+00	25.00	32.91	13.62	0.00	0.00	32	13	0	0	1,258	4	930
175+25	25.00	29.67	13.57	0.11	0.00	29	13	0	0	1,287	4	946
175+60.977 BK	35.98	28.36	13.27	0.00	0.00	39	18	0	0	1,326	4	967
176+67.712 AH	0.00	12.42	6.60	0.00	0.00	0	0	0	0	1,326	4	967
177+00	32.29	13.83	6.60	0.00	0.00	16	8	0	0	1,342	4	975
177+25	25.00	9.70	6.60	0.34	0.00	11	6	0	0	1,353	4	980
177+50	25.00	10.08	6.60	0.25	0.00	9	6	0	0	1,362	4	983

(CONTINUED)

STAGE 6 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
177+75	25.00	10.47	6.60	0.18	0.00	10	6	0	0	1,372	4	987
178+00	25.00	11.18	6.60	0.17	0.00	10	6	0	0	1,382	4	991
178+25	25.00	14.65	6.60	0.33	0.00	12	6	0	0	1,394	4	997
178+50	25.00	14.46	6.60	0.00	0.00	13	6	0	0	1,407	4	1,004
178+70.807 BK	20.81	9.60	6.60	0.00	0.00	9	5	0	0	1,416	4	1,008
179+10.668 AH	39.86	18.52	6.60	0.00	0.00	21	10	0	0	1,437	4	1,019
179+25	14.33	30.35	6.60	0.00	0.00	13	4	0	0	1,450	4	1,028
179+50	25.00	37.35	6.60	0.00	0.00	31	6	0	0	1,481	4	1,053
179+75	25.00	40.60	6.60	0.00	0.00	36	6	0	0	1,517	4	1,083
180+00	25.00	39.22	6.60	0.00	0.00	37	6	0	0	1,554	4	1,114
180+25	25.00	37.58	6.60	0.00	0.00	36	6	0	0	1,590	4	1,144
180+50	25.00	36.81	6.60	0.00	0.00	34	6	0	0	1,624	4	1,172
180+75	25.00	37.51	6.60	0.00	0.00	34	6	0	0	1,658	4	1,200
181+00	25.00	41.27	6.60	0.01	0.00	36	6	0	0	1,694	4	1,230
181+25	25.00	36.45	6.60	0.00	0.00	36	6	0	0	1,730	4	1,260
181+50	25.00	32.42	6.60	0.00	0.00	32	6	0	0	1,762	4	1,286
181+75	25.00	29.75	6.60	0.00	0.00	29	6	0	0	1,791	4	1,309
182+00	25.00	27.39	6.60	0.00	0.00	26	6	0	0	1,817	4	1,329
182+25	25.00	25.61	6.60	0.00	0.00	25	6	0	0	1,842	4	1,348
182+50	25.00	25.39	6.60	0.00	0.00	24	6	0	0	1,866	4	1,366
182+75	25.00	23.03	6.60	0.00	0.00	22	6	0	0	1,888	4	1,382
182+90.79 BK	15.79	7.21	6.60	0.00	0.00	9	4	0	0	1,897	4	1,387
183+47.624 AH	0.00	8.78	5.76	0.00	0.00	0	0	0	0	1,897	4	1,387
183+75	27.38	30.00	3.30	0.18	0.00	20	5	0	0	1,917	4	1,402
184+00	25.00	42.87	6.60	0.15	0.00	34	5	0	0	1,951	4	1,431
184+25	25.00	46.01	6.60	0.03	0.00	41	6	0	0	1,992	4	1,466
184+50	25.00	44.49	6.60	0.01	0.00	42	6	0	0	2,034	4	1,502
184+75	25.00	42.14	4.17	0.01	0.00	40	5	0	0	2,074	4	1,537
185+00	25.00	39.07	6.76	0.01	0.00	38	5	0	0	2,112	4	1,570
185+25	25.00	42.98	7.81	0.00	0.00	38	7	0	0	2,150	4	1,601
185+50	25.00	43.12	7.86	0.00	0.00	40	7	0	0	2,190	4	1,634
185+75	25.00	40.79	7.59	0.00	0.00	39	7	0	0	2,229	4	1,666
186+00	25.00	41.95	7.70	0.00	0.00	38	7	0	0	2,267	4	1,697
186+25	25.00	39.54	7.76	0.00	0.00	38	7	0	0	2,305	4	1,728
186+50	25.00	38.72	7.81	0.00	0.00	36	7	0	0	2,341	4	1,757
186+75	25.00	37.98	7.67	0.00	0.00	36	7	0	0	2,377	4	1,786
187+00	25.00	37.13	7.85	0.02	0.00	35	7	0	0	2,412	4	1,814
187+25	25.00	33.51	7.56	0.23	0.00	33	7	0	0	2,445	4	1,840
187+50	25.00	32.09	8.21	0.46	0.00	30	7	0	0	2,475	4	1,863
187+79.849 BK	29.85	26.98	19.67	0.00	0.00	33	15	0	0	2,508	4	1,881
188+60.972 AH	0.00	23.75	15.02	0.00	0.00	0	0	0	0	2,508	4	1,881
188+75	14.03	28.86	24.32	0.00	0.00	14	10	0	0	2,522	4	1,885
189+00	25.00	26.64	23.16	0.00	0.00	26	22	0	0	2,548	4	1,889
189+25	25.00	27.34	22.70	0.89	0.00	25	21	0	0	2,573	4	1,893
189+50	25.00	27.99	21.44	0.27	0.00	26	20	1	0	2,599	5	1,898
189+75	25.00	29.31	11.85	0.00	0.00	27	15	0	0	2,626	5	1,910
190+00	25.00	28.90	11.26	0.00	0.00	27	11	0	0	2,653	5	1,926
190+25	25.00	27.74	11.31	0.00	0.00	26	10	0	0	2,679	5	1,942
190+50	25.00	26.73	11.34	0.00	0.00	25	10	0	0	2,704	5	1,957
190+75	25.00	26.72	10.11	0.00	0.00	25	10	0	0	2,729	5	1,972
191+00	25.00	24.75	7.90	0.69	0.00	24	8	0	0	2,753	5	1,988
191+25	25.00	22.96	5.88	0.34	0.00	22	6	0	0	2,775	5	2,004
191+50	25.00	21.96	6.60	0.10	0.00	21	6	0	0	2,796	5	2,019
191+75	25.00	21.05	6.60	0.12	0.00	20	6	0	0	2,816	5	2,033
192+00	25.00	22.45	6.60	0.23	0.00	20	6	0	0	2,836	5	2,047
192+25	25.00	24.75	6.60	0.40	0.00	22	6	0	0	2,858	5	2,063
192+50	25.00	26.85	6.60	0.37	0.00	24	6	0	0	2,882	5	2,081
192+75	25.00	25.59	6.60	0.70	0.00	24	6	0	0	2,906	5	2,099
193+00	25.00	22.91	6.60	1.20	0.00	22	6	1	0	2,928	7	2,114
193+25	25.00	21.28	6.60	0.00	0.00	20	6	1	0	2,948	8	2,126
193+50	25.00	21.77	6.60	0.00	0.00	20	6	0	0	2,968	8	2,140
193+70.054 BK	20.05	19.70	5.91	0.00	0.00	15	5	0	0	2,983	8	2,150
194+66.695 AH	0.00	9.06	6.46	0.00	0.00	0	0	0	0	2,983	8	2,150
195+00	33.31	19.66	6.60	0.21	0.00	18	8	0	0	3,001	8	2,160
195+25	25.00	20.37	6.60	0.15	0.00	19	6	0	0	3,020	8	2,173
195+50	25.00	19.79	6.60	0.28	0.00	19	6	0	0	3,039	8	2,186
195+75	25.00	19.14	6.60	0.00	0.00	18	6	0	0	3,057	8	2,198
196+00	25.00	23.63	6.60	0.00	0.00	20	6	0	0	3,077	8	2,212
196+25	25.00	27.19	6.60	0.00	0.00	24	6	0	0	3,101	8	2,230
196+50	25.00	31.49	6.60	0.00	0.00	27	6	0	0	3,128	8	2,251
196+75	25.00	34.00	6.60	0.00	0.00	30	6	0	0	3,158	8	2,275
197+00	25.00	33.07	6.31	0.00	0.00	31	6	0	0	3,189	8	2,300
197+25	25.00	30.20	14.57	0.00	0.00	29	10	0	0	3,218	8	2,319
197+50	25.00	29.20	16.69	0.00	0.00	28	14	0	0	3,246	8	2,333
197+75	25.00	28.88	16.45	0.00	0.00	27	15	0	0	3,273	8	2,345
198+00	25.00	28.81	17.09	0.00	0.00	27	16	0	0	3,300	8	2,356
198+25	25.00	28.54	17.44	0.00	0.00	27	16	0	0	3,327	8	2,367

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	[(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

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STAGE 6 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
198+50	25.00	28.04	17.97	0.00	0.00	26	16	0	0	3,353	8	2,377
198+75	25.00	27.69	18.48	0.00	0.00	26	17	0	0	3,379	8	2,386
199+00	25.00	26.99	18.29	0.00	0.00	25	17	0	0	3,404	8	2,394
199+25	25.00	28.76	17.00	0.00	0.00	26	16	0	0	3,430	8	2,404
199+50	25.00	29.08	16.99	0.00	0.00	27	16	0	0	3,457	8	2,415
199+75	25.00	28.78	16.98	0.00	0.00	27	16	0	0	3,484	8	2,426
200+00	25.00	29.25	17.38	0.00	0.00	27	16	0	0	3,511	8	2,437
200+25	25.00	31.01	17.02	0.00	0.00	28	16	0	0	3,539	8	2,449
200+55.144 BK	30.14	29.41	23.30	0.00	0.00	34	23	0	0	3,573	8	2,460
				COLUMN TOTALS		3,573	1,105	6	0			

STAGE 7 - NB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
160+00 AH	0.00	116.09	35.14	4.50	13.32	0	0	0	0	0	0	0
160+50	50.00	117.31	25.05	1.89	13.08	216	56	6	24	216	8	152
161+00	50.00	118.85	27.32	1.02	12.90	219	48	3	24	435	12	319
161+50	50.00	122.38	29.68	0.03	13.32	223	53	1	24	658	13	488
162+00	50.00	121.19	27.93	0.00	12.87	226	53	0	24	884	13	661
162+50	50.00	186.44	43.05	0.00	13.00	285	66	0	24	1,169	13	880
162+78.606	28.61	116.80	23.21	1.73	13.08	161	35	1	14	1,330	14	1,005
163+00	21.39	112.33	32.46	9.31	13.17	91	22	4	10	1,421	20	1,069
163+49.815	49.81	116.33	34.61	1.15	13.17	211	62	10	24	1,632	33	1,205
163+68.204	18.39	113.23	34.83	2.08	13.17	78	24	1	9	1,710	34	1,257
163+80.886	12.68	117.39	33.11	1.80	13.17	54	16	1	6	1,764	35	1,294
164+00	19.11	116.87	32.92	2.15	13.17	83	23	1	9	1,847	36	1,353
164+50	50.00	122.89	31.46	0.00	13.17	222	60	2	24	2,069	39	1,512
165+00	50.00	126.51	28.93	0.00	13.17	231	56	0	24	2,300	39	1,687
165+28.36	28.36	115.03	37.32	0.00	13.17	127	35	0	14	2,427	39	1,779
165+50	21.64	112.42	27.32	4.39	13.17	91	26	2	11	2,518	42	1,841
166+00	50.00	109.47	27.55	1.46	13.17	205	51	5	24	2,723	48	1,989
166+50	50.00	109.47	27.01	1.61	13.17	203	51	3	24	2,926	52	2,137
166+88.7	38.70	243.58	55.43	0.00	0.00	253	59	1	9	3,179	53	2,330
167+00	11.30	251.31	54.40	0.00	0.00	104	23	0	0	3,283	53	2,411
167+50	50.00	115.71	26.25	0.79	0.00	340	75	1	0	3,623	55	2,674
168+00	50.00	118.50	27.18	10.24	0.00	217	49	10	0	3,840	68	2,829
168+50	50.00	112.60	29.81	25.49	0.00	214	53	33	0	4,054	111	2,948
169+00	50.00	108.43	32.05	13.72	0.00	205	57	36	0	4,259	157	3,049
169+50	50.00	104.69	25.42	5.67	0.00	197	53	18	0	4,456	181	3,169
170+00	50.00	103.41	25.13	3.94	0.00	193	47	9	0	4,649	192	3,304
170+50	50.00	100.89	25.40	2.27	0.00	189	47	6	0	4,838	200	3,438
171+00	50.00	104.11	26.71	0.80	0.00	190	48	3	0	5,028	204	3,576
171+26.095	26.10	106.05	26.87	0.86	0.00	102	26	1	0	5,130	205	3,651
171+50	23.90	108.76	29.17	0.99	0.00	95	25	1	0	5,225	207	3,719
172+00	50.00	114.66	27.75	0.46	0.00	207	53	1	0	5,432	208	3,872
172+50	50.00	117.63	27.56	0.51	0.00	215	51	1	0	5,647	209	4,035
173+00	50.00	113.61	28.21	1.75	0.00	214	52	2	0	5,861	212	4,194
173+50	50.00	104.20	27.56	13.51	0.00	202	52	14	0	6,063	230	4,326
174+00	50.00	96.93	26.26	17.58	0.00	186	50	29	0	6,249	268	4,424
174+50	50.00	97.11	26.03	16.93	0.00	180	48	32	0	6,429	309	4,515
175+00	50.00	98.10	27.97	6.24	0.00	181	50	21	0	6,610	337	4,618
175+50	50.00	102.08	28.44	1.87	0.00	185	52	8	0	6,795	347	4,741
176+00	50.00	86.59	20.84	0.37	0.00	175	46	2	0	6,970	350	4,867
176+32.643	32.64	299.34	56.00	0.00	0.00	233	46	0	0	7,203	350	5,054
176+50	17.36	285.00	57.07	0.00	0.00	188	36	0	0	7,391	350	5,206
177+00	50.00	94.89	23.99	0.00	0.00	352	75	0	0	7,743	350	5,483
177+50	50.00	98.40	24.84	0.00	0.00	179	45	0	0	7,922	350	5,617
178+00	50.00	97.50	24.06	0.03	0.00	181	45	0	0	8,103	350	5,753
178+50	50.00	92.63	24.83	1.21	0.00	176	45	1	0	8,279	351	5,883
179+00	50.00	95.12	32.34	0.00	0.00	174	53	1	0	8,453	352	6,003
179+50	50.00	92.55	28.34	0.43	0.00	174	56	0	0	8,627	352	6,121
180+00	50.00	93.55	29.81	0.33	0.00	172	54	1	0	8,799	354	6,237
180+50	50.00	97.62	30.22	0.12	0.00	177	56	0	0	8,976	354	6,358
181+00	50.00	103.91	38.27	0.00	0.00	187	63	0	0	9,163	354	6,482
181+50	50.00	99.15	28.88	0.16	0.00	188	62	0	0	9,351	354	6,608
182+00	50.00	97.92	29.99	0.55	0.00	182	55	1	0	9,533	355	6,734
182+50	50.00	95.35	32.93	1.32	0.00	179	58	2	0	9,712	358	6,853
183+00	50.00	96.36	34.54	1.32	0.00	178	62	2	0	9,890	360	6,966
183+50	50.00	99.01	32.19	0.64	0.00	181	62	2	0	10,071	363	7,082
184+00	50.00	99.85	36.06	0.67	0.00	184	63	1	0	10,255	364	7,202
184+50	50.00	101.18	30.95	0.34	0.00	186	62	1	0	10,441	365	7,325
185+00	50.00	99.28	30.48	0.59	0.00	186	57	1	0	10,627	367	7,452
185+50	50.00	94.52	29.20	0.68	0.00	179	55	1	0	10,806	368	7,575
186+00	50.00	92.99	29.50	0.99	0.00	174	54	2	0	10,980	371	7,693
186+50	50.00	91.44	30.65	1.21	0.00	171	56	2	0	11,151	373	7,805
187+00	50.00	90.59	35.81	1.53	0.00	169	62	3	0	11,320	377	7,908
187+50	50.00	91.17	30.27	1.59	0.00	168	61	3	0	11,488	381	8,011
188+00	50.00	247.66	40.79	0.00	0.00	314	66	1	0	11,802	382	8,258
188+16.805	16.80	261.45	74.38	0.00	0.00	158	36	0	0	11,960	382	8,380
188+50	33.20	109.43	28.58	0.00	0.00	228	63	0	0	12,188	382	8,545
189+00	50.00	86.87	30.48	1.50	9.83	182	55	1	9	12,370	384	8,671
189+50	50.00	87.13	26.80	1.48	9.83	161	53	3	18	12,531	387	8,775
190+00	50.00	87.90	28.48	1.56	9.83	162	51	3	18	12,693	391	8,882
190+50	50.00	88.30	31.03	1.54	9.83	163	55	3	18	12,856	395	8,986
191+00	50.00	86.37	34.82	1.98	9.83	162	61	3	18	13,018	399	9,083
191+50	50.00	88.88	31.54	1.29	9.83	162	61	3	18	13,180	403	9,180
192+00	50.00	88.00	27.59	1.36	0.00	164	55	2	9	13,344	406	9,286
192+35.296	35.30	88.28	27.54	2.23	0.00	115	36	2	0	13,459	408	9,363
192+50	14.70	89.43	27.20	1.51	0.00	48	15	1	0	13,507	410	9,395
193+00	50.00	90.39	26.02	1.68	0.00	166	49	3	0	13,673	413	9,508
193+50	50.00	95.30	25.69	0.00	0.00	172	48	2	0	13,845	416	9,629

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	[(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

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STAGE 7 - NB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
194+00	50.00	87.46	30.54	0.04	0.00	169	52	0	0	14,014	416	9,746
194+12.69	12.69	87.15	25.35	1.34	0.00	41	13	0	0	14,055	416	9,774
194+50	37.31	114.85	33.83	4.18	0.00	140	41	4	0	14,195	421	9,868
195+00	50.00	114.65	32.50	2.45	0.00	212	61	6	0	14,407	429	10,011
195+50	50.00	109.38	30.76	7.09	13.22	207	59	9	12	14,614	441	10,147
196+00	50.00	102.88	33.21	9.31	13.17	197	59	15	24	14,811	460	10,266
196+50	50.00	96.65	33.81	8.78	13.17	185	62	17	24	14,996	482	10,367
197+00	50.00	100.43	32.17	7.65	13.17	182	61	15	24	15,178	502	10,468
197+19.285	19.28	104.19	31.72	5.44	13.17	73	23	5	9	15,251	508	10,512
197+50	30.72	110.00	46.13	0.59	13.17	122	44	3	15	15,373	512	10,586
198+00	50.00	116.16	30.78	0.03	13.17	209	71	1	24	15,582	514	10,723
198+50	50.00	124.41	35.60	0.00	13.17	223	61	0	24	15,805	514	10,885
199+00	50.00	111.61	31.03	0.01	11.38	219	62	0	23	16,024	514	11,042
199+50	50.00	105.86	32.71	0.00	12.17	201	59	0	22	16,225	514	11,184
200+00	50.00	102.16	32.93	0.01	12.17	193	61	0	23	16,418	514	11,316
200+50 BK	50.00	142.98	44.67	0.00	16.30	227	72	0	26	16,645	514	11,471
					COLUMN TOTALS	16,645	4,661	395	680			

STAGE 8 - NB TURN LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
165+00 AH	0.00	3.23	0.64	0.00	1.88	0	0	0	0	0	0	0
165+28.36	28.36	13.27	2.48	0.00	2.92	9	2	0	3	9	0	7
165+50	21.64	20.86	3.84	0.00	3.67	14	3	0	3	23	0	18
166+00	50.00	29.32	5.74	0.00	3.67	46	9	0	7	69	0	55
166+50 BK	50.00	30.06	5.83	0.00	4.93	55	11	0	8	124	0	99
169+50 AH	0.00	4.08	1.11	0.00	0.00	0	0	0	0	124	0	99
170+00	50.00	19.62	4.48	0.00	0.00	22	5	0	0	146	0	116
170+50	50.00	27.19	6.05	0.00	0.00	43	10	0	0	189	0	149
171+00	50.00	27.93	5.97	0.00	0.00	51	11	0	0	240	0	189
171+26.095	26.10	3.13	0.99	0.00	0.00	15	3	0	0	255	0	201
171+50	23.90	13.67	5.10	0.00	0.00	7	3	0	0	262	0	205
172+00	50.00	37.74	2.31	0.00	0.00	48	7	0	0	310	0	246
172+50	50.00	55.97	5.88	0.00	0.00	87	8	0	0	397	0	325
173+00	50.00	57.72	10.61	0.00	0.00	105	15	0	0	502	0	415
173+50	50.00	57.00	12.42	0.00	0.00	106	21	0	0	608	0	500
174+00	50.00	54.88	12.51	0.00	0.00	104	23	0	0	712	0	581
174+50	50.00	55.29	12.53	0.00	0.00	102	23	0	0	814	0	660
175+00	50.00	57.67	12.57	0.00	0.00	105	23	0	0	919	0	742
175+50.201	50.20	89.13	20.82	0.00	0.00	136	31	0	0	1,055	0	847
176+00	49.80	89.00	29.97	0.00	0.00	164	47	0	0	1,219	0	964
176+32.643	32.64	85.67	30.00	0.00	0.00	106	36	0	0	1,325	0	1,034
176+50	17.36	87.13	27.80	0.00	0.00	56	19	0	0	1,381	0	1,071
177+00	50.00	28.20	9.59	0.00	0.00	107	35	0	0	1,488	0	1,143
177+50	50.00	28.67	8.99	0.00	0.00	53	17	0	0	1,541	0	1,179
178+00	50.00	29.36	8.52	0.00	0.00	54	16	0	0	1,595	0	1,217
178+50	50.00	29.13	10.00	0.00	0.00	54	17	0	0	1,649	0	1,254
179+00	50.00	28.63	9.68	0.00	0.00	53	18	0	0	1,702	0	1,289
179+50	50.00	27.59	5.57	0.00	0.00	52	14	0	0	1,754	0	1,327
180+00	50.00	28.05	5.01	0.00	0.00	52	10	0	0	1,806	0	1,369
180+50	50.00	29.24	4.22	0.00	0.00	53	9	0	0	1,859	0	1,413
181+00	50.00	28.75	3.86	0.00	0.00	54	7	0	0	1,913	0	1,460
181+50	50.00	41.05	5.47	0.00	0.00	65	9	0	0	1,978	0	1,516
182+00	50.00	59.74	10.11	0.00	0.00	93	14	0	0	2,071	0	1,595
182+50	50.00	61.33	12.14	0.00	0.00	112	21	0	0	2,183	0	1,686
183+00	50.00	52.89	21.00	0.00	0.00	106	31	0	0	2,289	0	1,761
183+50	50.00	31.31	9.67	0.00	0.00	78	28	0	0	2,367	0	1,811
184+00	50.00	50.37	1.95	0.00	0.00	76	11	0	0	2,443	0	1,876
184+50	50.00	76.65	7.19	0.00	0.00	118	8	0	0	2,561	0	1,986
185+00	50.00	100.45	15.31	0.00	0.00	164	21	0	0	2,725	0	2,129
185+50	50.00	93.81	16.74	0.00	0.00	180	30	0	0	2,905	0	2,279
186+00	50.00	91.07	16.29	0.00	0.00	171	31	0	0	3,076	0	2,419
186+50	50.00	94.77	17.19	0.00	0.00	172	31	0	0	3,248	0	2,560
187+00	50.00	93.33	17.74	0.00	0.00	174	32	0	0	3,422	0	2,702
187+50	50.00	99.95	17.66	0.00	0.00	179	33	0	0	3,601	0	2,848
188+00	50.00	90.70	31.57	0.00	0.00	177	46	0	0	3,778	0	2,979
188+16.805	16.80	89.38	31.38	0.00	0.00	56	20	0	0	3,834	0	3,015
188+50	33.20	86.53	31.00	0.00	0.00	108	38	0	0	3,942	0	3,085
189+00	50.00	26.26	5.07	0.00	10.33	104	33	0	10	4,046	0	3,156
189+50	50.00	24.92	5.60	0.00	10.33	47	10	0	19	4,093	0	3,193
190+00	50.00	23.47	5.17	0.00	10.00	45	10	0	19	4,138	0	3,228
190+50	50.00	24.03	4.97	0.00	10.00	44	9	0	19	4,182	0	3,263
191+00	50.00	25.21	4.69	0.00	10.10	46	9	0	19	4,228	0	3,300
191+50	50.00	27.51	4.15	0.00	10.00	49	8	0	19	4,277	0	3,341
192+00	50.00	37.73	3.99	0.00	0.00	60	8	0	9	4,337	0	3,393
192+35.296	35.30	50.36	5.82	0.00	0.00	58	6	0	0	4,395	0	3,445
192+50	14.70	57.24	6.83	0.00	0.00	29	3	0	0	4,424	0	3,471
193+00	50.00	66.78	8.64	0.00	0.00	115	14	0	0	4,539	0	3,572
193+50	50.00	64.41	9.44	0.00	0.00	121	17	0	0	4,660	0	3,676
194+00	50.00	60.02	16.46	0.00	0.00	115	24	0	0	4,775	0	3,767
194+24.91 BK	24.91	62.51	20.31	0.00	0.00	57	17	0	0	4,832	0	3,807
195+00 AH	0.00	9.91	3.44	0.00	7.00	0	0	0	0	4,832	0	3,807
195+50	50.00	36.21	5.15	0.00	7.00	43	8	0	13	4,875	0	3,842
196+00	50.00	59.27	4.33	0.00	7.00	88	9	0	13	4,963	0	3,921
196+50	50.00	65.60	4.14	0.00	7.17	116	8	0	13	5,079	0	4,029
197+00	50.00	65.73	10.94	0.00	7.17	122	14	0	13	5,201	0	4,137
197+19.285	19.28	65.53	15.27	0.00	7.17	47	9	0	5	5,248	0	4,175
197+50	30.72	63.78	17.92	0.00	7.17	74	19	0	8	5,322	0	4,230
198+00	50.00	61.01	17.58	0.00	7.17	116	33	0	13	5,438	0	4,313
198+50	50.00	63.16	19.04	0.00	7.27	115	34	0	13	5,553	0	4,394
199+00	50.00	94.68	30.00	0.00	10.94	146	45	0	17	5,699	0	4,495
199+50	50.00	89.14	30.00	0.00	11.36	170	56	0	21	5,869	0	4,609
200+00	50.00	94.06	30.42	0.00	16.00	170	56	0	25	6,039	0	4,723
200+52.37 BK	52.37	28.78	30.00	0.00	7.00	119	59	0	22	6,158	0	4,783
					COLUMN TOTALS	6,158	1,375	0	311			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	((CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

9

9

PROJECT NO: 2390-12-70 | HWY: STH 31 | COUNTY: RACINE | EARTHORK DATAÈ | SHEET 933 | E

STAGE 8 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
154+87.816AH	0.00	3.31	2.70	0.00	0.00	0	0	0	0	0	0	0
155+00	12.18	3.31	2.70	0.00	0.00	1	1	0	0	1	0	0
155+25	25.00	3.31	2.70	0.00	0.00	3	3	0	0	4	0	0
155+50	25.00	3.31	2.70	0.00	0.00	3	3	0	0	7	0	0
155+59	9.00	3.31	2.70	0.00	0.00	1	1	0	0	8	0	0
155+75	16.00	3.34	2.70	0.00	0.00	2	2	0	0	10	0	0
156+00	25.00	4.95	2.70	0.00	0.00	4	3	0	0	14	0	1
156+25	25.00	7.36	2.70	0.00	0.00	6	2	0	0	20	0	5
156+50	25.00	10.56	2.70	0.00	0.00	8	2	0	0	28	0	11
156+75	25.00	14.34	2.70	0.00	0.00	12	3	0	0	40	0	20
157+00	25.00	17.98	2.70	0.00	0.00	15	3	0	0	55	0	32
157+25	25.00	21.20	2.70	0.00	0.00	18	3	0	0	73	0	47
157+50 BK	25.00	6.01	2.70	0.00	0.00	13	3	0	0	86	0	57
158+47 AH	0.00	4.20	1.44	0.00	0.00	0	0	0	0	86	0	57
158+59.969	12.97	19.14	5.00	0.00	0.00	6	2	0	0	92	0	61
158+65.83	5.86	22.49	6.57	0.00	0.00	5	1	0	0	97	0	65
158+75	9.17	25.61	6.10	0.00	0.00	8	2	0	0	105	0	71
159+00	25.00	28.14	4.83	0.00	0.00	25	5	0	0	130	0	91
159+25	25.00	25.83	3.69	0.00	0.00	25	4	0	0	155	0	112
159+50	25.00	23.35	2.90	0.19	0.00	23	3	0	0	178	0	132
159+75	25.00	23.71	3.39	0.10	0.00	22	3	0	0	200	0	151
160+00	25.00	18.76	4.12	0.00	0.00	20	3	0	0	220	0	168
160+25	25.00	26.65	4.95	0.00	0.00	21	4	0	0	241	0	185
160+39.922	14.92	32.28	5.44	0.00	0.00	16	3	0	0	257	0	198
160+50	10.08	34.46	5.76	0.00	0.00	12	2	0	0	269	0	208
160+75	25.00	32.24	5.81	0.00	0.00	31	5	0	0	300	0	234
161+00	25.00	29.99	5.73	0.00	0.00	29	5	0	0	329	0	258
161+25	25.00	25.42	5.76	0.00	0.00	26	5	0	0	355	0	279
161+50	25.00	21.29	5.80	0.00	0.00	22	5	0	0	377	0	296
161+75	25.00	17.53	5.78	0.00	0.00	18	5	0	0	395	0	309
162+00	25.00	19.93	6.47	0.00	0.00	17	6	0	0	412	0	320
162+14.545	14.55	18.78	2.45	0.03	0.00	10	2	0	0	422	0	328
162+25	10.45	16.92	0.00	0.00	0.00	7	0	0	0	429	0	335
162+50	25.00	15.63	0.00	0.00	0.00	15	0	0	0	444	0	350
162+75	25.00	15.12	0.00	0.00	0.00	14	0	0	0	458	0	364
163+00	25.00	19.88	3.49	0.00	0.00	16	2	0	0	474	0	378
163+25	25.00	18.18	1.74	0.00	0.00	18	2	0	0	492	0	394
163+50	25.00	23.17	1.76	0.00	0.00	19	2	0	0	511	0	411
163+75	25.00	24.02	1.77	0.00	0.00	22	2	0	0	533	0	431
164+00	25.00	26.96	2.63	0.00	0.00	24	2	0	0	557	0	453
164+25	25.00	27.57	3.65	0.00	0.00	25	3	0	0	582	0	475
164+50	25.00	16.22	4.64	0.00	0.00	20	4	0	0	602	0	491
164+75	25.00	16.99	5.60	0.00	0.00	15	5	0	0	617	0	501
165+00	25.00	15.75	5.83	0.00	0.00	15	5	0	0	632	0	511
165+25	25.00	11.03	5.80	0.00	0.00	12	5	0	0	644	0	518
165+50	25.00	5.47	5.77	0.00	0.00	8	5	0	0	652	0	521
165+75 BK	25.00	0.75	5.81	0.41	0.00	3	5	0	0	655	0	519
166+30 AH	0.00	0.46	5.84	4.48	0.00	0	0	0	0	655	0	519
166+50	20.00	4.42	6.70	1.46	0.00	2	5	2	0	657	3	513
166+75	25.00	13.91	0.00	0.00	0.00	8	3	1	0	665	4	517
167+00	25.00	5.11	0.00	0.00	0.00	9	0	0	0	674	4	526
167+25	25.00	5.17	0.00	0.00	0.00	5	0	0	0	679	4	531
167+50	25.00	18.44	4.52	0.76	0.00	11	2	0	0	690	4	540
167+75	25.00	14.07	1.58	0.33	0.00	15	3	1	0	705	5	551
168+00	25.00	14.16	1.62	0.30	0.00	13	1	0	0	718	5	563
168+25	25.00	13.46	1.66	0.61	0.00	13	2	0	0	731	5	574
168+50	25.00	12.02	1.68	1.68	0.00	12	2	1	0	743	7	583
168+75	25.00	12.42	1.66	1.42	0.00	11	2	1	0	754	8	590
169+00	25.00	11.80	2.09	2.02	0.00	11	2	2	0	765	10	597
169+25	25.00	10.51	3.15	3.47	0.00	10	2	3	0	775	14	601
169+50	25.00	9.19	4.20	4.60	0.00	9	3	4	0	784	20	602
169+75	25.00	6.18	5.26	5.72	0.00	7	4	5	0	791	26	598
170+00	25.00	3.08	6.09	8.16	0.00	4	5	6	0	795	34	589
170+25	25.00	1.43	6.74	5.42	0.00	2	6	6	0	797	42	577
170+50	25.00	2.68	7.32	2.75	0.00	2	7	4	0	799	47	567
170+75	25.00	4.77	7.90	0.06	0.00	3	7	1	0	802	48	562
171+00	25.00	4.76	5.11	0.00	0.00	4	6	0	0	806	48	560
171+25	25.00	15.82	0.00	0.00	0.00	10	2	0	0	816	48	568
171+50	25.00	15.65	0.00	0.00	0.00	15	0	0	0	831	48	583
171+75	25.00	18.51	7.86	0.09	0.00	16	4	0	0	847	48	595
172+00	25.00	9.96	7.38	0.00	0.00	13	7	0	0	860	48	601
172+36.506BK	36.51	2.82	4.75	0.00	0.00	9	8	0	0	869	48	602
175+17.695AH	0.00	2.85	4.73	0.00	0.00	0	0	0	0	869	48	602
175+30.869	13.17	5.30	4.64	0.00	0.00	2	2	0	0	871	48	602
175+50	19.13	8.29	4.51	0.11	0.00	5	3	0	0	876	48	604
175+75	25.00	10.84	0.00	0.00	0.00	9	2	0	0	885	48	611
176+00	25.00	10.49	0.00	0.00	0.00	10	0	0	0	895	48	621
176+25	25.00	10.31	0.00	0.00	0.00	10	0	0	0	905	48	631
176+50	25.00	10.09	0.00	0.00	0.00	9	0	0	0	914	48	640
176+75	25.00	8.56	0.00	0.00	0.00	9	0	0	0	923	48	649

(CONTINUED)

STAGE 8 - TEMPORARY PAVEMENT MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
177+00	25.00	25.85	3.95	0.19	0.00	16	2	0	0	939	48	663
177+25	25.00	29.33	3.04	0.03	0.00	26	3	0	0	965	48	686
177+50	25.00	30.39	3.10	0.00	0.00	28	3	0	0	993	48	711
177+75	25.00	30.13	3.09	0.00	0.00	28	3	0	0	1,021	48	736
178+00	25.00	30.93	3.29	0.00	0.00	28	3	0	0	1,049	48	761
178+25	25.00	31.37	4.33	0.00	0.00	29	4	0	0	1,078	48	786
178+50	25.00	31.87	4.38	0.00	0.00	29	4	0	0	1,107	48	811
178+75	25.00	29.91	0.00	0.00	0.00	29	2	0	0	1,136	48	838
179+00	25.00	29.00	0.00	0.01	0.00	27	0	0	0	1,163	48	865
179+25	25.00	28.91	7.30	0.04	0.00	27	3	0	0	1,190	48	889
179+50	25.00	27.91	7.97	0.02	0.00	26	7	0	0	1,216	48	908
179+75	25.00	26.81	8.12	0.02	0.00	25	7	0	0	1,241	48	926
180+00	25.00	28.65	7.63	0.00	0.00	26	7	0	0	1,267	48	945
180+25	25.00	30.13	7.13	0.00	0.00	27	7	0	0	1,294	48	965
180+50	25.00	31.14	6.62	0.00	0.00	28	6	0	0	1,322	48	987
180+75	25.00	30.54	6.63	0.00	0.00	29	6	0	0	1,351	48	1,010
181+00	25.00	26.09	6.64	0.01	0.00	26	6	0	0	1,377	48	1,030
181+25	25.00	28.27	6.61	0.01	0.00	25	6	0	0	1,402	48	1,049
181+50	25.00	24.08	6.59	0.06	0.00	24	6	0	0	1,426	48	1,067
181+75	25.00	20.11	5.70	0.10	0.00	20	6	0	0	1,446	48	1,081
182+00	25.00	16.19	4.27	0.13	0.00	17	5	0	0	1,463	48	1,093
182+25	25.00	14.42	3.88	0.25	0.00	14	4	0	0	1,477	48	1,103
182+50	25.00	12.95	3.73	0.00	0.00	13	4	0	0	1,490	48	1,112
182+68	18.00	12.55	3.64	0.00	0.00	9	2	0	0	1,499	48	1,119
183+00	32.00	24.16	0.00	0.00	0.00	22	2	0	0	1,521	48	1,139
183+25	25.00	26.28	0.00	0.00	0.00	23	0	0	0	1,544	48	1,162
183+50	25.00	27.37	4.38	0.00	0.00	25	2	0	0	1,569	48	1,185
183+75	25.00	23.22	6.79	0.00	0.00	23	5	0	0	1,592	48	1,203
184+00	25.00	19.65	5.12	0.09	0.00	20	6	0	0	1,612	48	1,217
184+25	25.00	14.72	3.46	0.00	0.00	16	4	0	0	1,628	48	1,229
184+50	25.00	8.80	1.81	0.00	0.00	11	2	0	0	1,639	48	1,238
184+75 BK	25.00	1.84	0.17	0.00	0.00	5	1	0	0	1,644	48	1,242
187+51.069AH	0.00	6.02	0.00	0.00	0.00	0	0	0	0	1,644	48	1,242
187+75	23.93	11.31	0.00	0.00	0.00	8	0	0	0	1,652	48	1,250
188+00	25.00	10.83	0.00	0.00	0.00	10	0	0	0	1,662	48	1,260
188+25	25.00	10.37	0.00	0.00	0.00	10	0	0	0	1,672	48	1,270
188+50	25.00	10.65	0.00	0.00	0.00	10	0	0	0	1,682	48	1,280
188+82	32.00	24.16	7.06	0.00	0.00	21	4	0	0	1,703	48	1,297
189+00	18.00	25.32	7.53	0.29	0.00	16	5	0	0	1,719	48	1,308
189+25	25.00	25.71	7.20	0.12	0.00	24	7	0	0	1,743	48	1,325
189+50	25.00	24.10	6.85	0.11	0.00	23	7	0	0	1,766	48	1,341
189+75	25.00	22.94	6.50	0.11	0.00	22	6	0	0	1,788	48	1,357
190+00	25.00	22.85	6.15	0.11	0.00	21	6	0	0	1,809	48	1,372
190+25	25.00	23.46	5.81	0.10	0.00	21	6	0	0	1,830	48	1,387
190+50	25.00	24.23	5.47	0.11	0.00	22	5	0	0	1,852	48	1,404
190+75	25.00	24.59	5.33	0.10	0.00	23	5	0	0	1,875	48	1,422
191+00	25.00	24.82	5.33	0.10	0.00	23	5	0	0	1,898	48	1,440
191+25	25.00	25.01	5.33	0.10	0.00	23	5	0	0	1,921	48	1,458
191+50	25.00	24.71	5.33	0.11	0.00	23	5	0	0	1,944	48	1,476
191+75	25.00	24.17	4.84	0.13	0.00	23	5	0	0	1,967	48	1,494
192+00	25.00	22.44	4.15	0.16	0.00	22	4	0	0	1,989	48	1,512
192+25	25.00	20.30	4.02	0.08	0.00	20	4	0	0	2,009	48	1,528
192+50	25.00	16.71	3.17	0.05	0.00	17	3	0	0	2,026	48	1,542
192+75	25.00	14.86	2.63	0.03	0.00	15	3	0	0	2,041	48	1,554
193+00	25.00	15.17	2.81	0.02	0.00	14	3	0	0	2,055	48	1,565
193+25	25.00	15.09	3.01	0.03	0.00	14	3	0	0	2,069	48	1,576
193+50	25.00	14.71	3.19	0.05	0.00	14	3	0	0	2,083	48	1,587
193+75	25.00	14.38	0.00	0.07	0.00	13	1	0	0	2,096	48	1,599
194+00	25.00	13.06	0.00	0.16	0.00	13	0	0	0	2,109	48	1,612
194+25	25.00	18.84	0.00	0.25	0.00	15	0	0	0	2,124	48	1,627
194+50	25.00	28.17	0.00	0.14	0.00	22	0	0	0	2,146	48	1,649
194+75	25.00	29.62	6.05	0.03	0.00	27	3	0	0	2,173	48	1,673
195+00	25.00	24.36	5.27	0.02	0.00	25	5	0	0	2,198	48	1,693
195+25	25.00	18.97	3.75	0.01	0.00	20	4	0	0	2,218	48	1,709
195+50	25.00	14.50	2.26	0.00	0.00	15	3	0	0	2,233	48	1,721
195+75	25.00	9.88	0.86	0.00	0.00	11	1	0	0	2,244	48	1,731
196+00 BK	25.00	3.81	0.41	0.00	0.00	6	1	0	0	2,250	48	1,736
197+96.951AH	0.00	2.89	3.44	0.00	0.00	0	0	0	0	2,250	48	1,736
198+25	28.05	3.73	3.43	0.00	0.00	3	4	0	0	2,253	48	1,735
198+50	25.00	4.83	3.42	0.00	0.00	4	3	0	0	2,257	48	1,736
198+75	25.00	5.84	3.41	0.00	0.00	5	3	0	0	2,262	48	1,738
199+00	25.00	6.45	3.39	0.00	0.00	6	3	0	0	2,268	48	1,741
199+25	25.00	6.37	3.34	0.00	0.00	6	3	0	0	2,274	48	1,744
199+50	25.00	6.51	3.29	0.00	0.00	6	3	0	0	2,280	48	1,747
199+75	25.00	27.18	3.31	0.00	0.00	16	3	0	0	2,296	48	1,760
200+00	25.00	27.42	3.36	0.00	0.00	25	3	0	0	2,321	48	1,782
200+25	25.00	26.53	3.42	0.00	0.00	25	3	0	0	2,346	48	1,804
200+52.373BK	27.37	24.10	3.28	0.00	0.00	26	3	0	0	2,372	48	1,827
					COLUMN TOTALS	2,372	497	37	0			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	[(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

STAGE 9 - SB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
159+75 AH	0.00	126.55	20.87	0.00	13.17	0	0	0	0	0	0	0
160+00	25.00	138.09	28.20	0.00	13.17	123	23	0	12	123	0	100
160+50	50.00	169.67	34.30	0.00	13.97	285	58	0	25	408	0	327
161+00	50.00	172.10	33.62	0.00	13.95	316	63	0	26	724	0	580
161+50	50.00	171.28	32.40	0.00	13.69	318	61	0	26	1,042	0	837
162+00	50.00	182.71	30.78	0.00	13.72	328	59	0	25	1,370	0	1,106
162+50	50.00	177.16	33.05	0.00	14.00	333	59	0	26	1,703	0	1,380
162+78.606	28.61	162.04	28.97	0.16	13.15	180	33	0	14	1,883	0	1,527
163+00	21.39	156.59	28.33	0.66	13.17	126	23	0	10	2,009	0	1,630
163+50	50.00	164.76	19.28	0.00	13.17	298	44	1	24	2,307	1	1,883
163+68.204	18.20	234.09	45.02	0.00	13.17	134	22	0	9	2,441	1	1,995
163+80.886	12.68	240.09	45.11	0.00	13.17	111	21	0	6	2,552	1	2,085
164+00	19.11	238.92	29.65	0.00	13.17	170	26	0	9	2,722	1	2,229
164+50	50.00	161.04	29.02	0.00	13.17	370	54	0	24	3,092	1	2,545
165+00	50.00	175.09	32.37	0.00	14.00	311	57	0	25	3,403	1	2,799
165+28.36	28.36	166.18	36.78	0.00	14.00	179	36	0	15	3,582	1	2,942
165+50	21.64	156.84	54.29	0.01	14.00	129	36	0	11	3,711	1	3,035
166+00	50.00	140.76	33.32	0.00	14.00	276	81	0	26	3,987	1	3,230
166+50	50.00	127.70	30.75	0.00	13.17	249	59	0	25	4,236	1	3,420
166+88.7	38.70	258.81	58.59	0.00	0.00	277	64	0	9	4,513	1	3,633
167+00	11.30	263.39	59.85	0.00	0.00	109	25	0	0	4,622	1	3,717
167+50	50.00	122.52	31.65	0.77	0.00	357	85	1	0	4,979	3	3,987
168+00	50.00	124.57	32.22	0.00	0.00	229	59	1	0	5,208	4	4,156
168+50	50.00	127.20	32.70	0.58	0.00	233	60	1	0	5,441	5	4,328
169+00	50.00	135.71	32.93	0.01	0.00	243	61	1	0	5,684	7	4,509
169+50	50.00	136.22	31.33	0.03	0.00	252	59	0	0	5,936	7	4,702
170+00	50.00	141.60	40.66	0.09	0.00	257	67	0	0	6,193	7	4,892
170+50	50.00	137.58	34.65	0.94	0.00	259	70	1	0	6,452	8	5,079
171+00	50.00	178.72	32.80	0.00	0.00	293	62	1	0	6,745	9	5,309
171+26.095	26.10	237.46	51.43	0.00	0.00	201	41	0	0	6,946	9	5,469
171+50	23.90	258.59	41.18	0.00	0.00	220	41	0	0	7,166	9	5,648
172+00	50.00	125.23	35.06	0.02	0.00	355	71	0	0	7,521	9	5,932
172+50	50.00	125.84	37.43	0.03	0.00	232	67	0	0	7,753	9	6,097
173+00	50.00	128.39	34.14	0.12	0.00	235	66	0	0	7,988	9	6,266
173+50	50.00	130.05	33.15	0.08	0.00	239	62	0	0	8,227	9	6,443
174+00	50.00	131.76	36.69	0.00	0.00	242	65	0	0	8,469	9	6,620
174+50	50.00	134.29	37.09	0.00	0.00	246	68	0	0	8,715	9	6,798
175+00	50.00	130.19	33.03	0.00	0.00	245	65	0	0	8,960	9	6,978
175+50	50.00	113.84	36.45	1.95	0.00	226	64	2	0	9,186	12	7,137
176+00	50.00	251.97	88.97	0.00	0.00	339	116	2	0	9,525	14	7,358
176+32.643	32.64	207.20	44.92	0.00	0.00	278	81	0	0	9,803	14	7,555
176+50	17.36	116.18	32.00	0.19	0.00	104	25	0	0	9,907	14	7,634
177+00	50.00	115.12	30.81	1.17	0.00	214	58	1	0	10,121	16	7,788
177+50	50.00	118.84	29.94	0.31	0.00	217	56	1	0	10,338	17	7,948
178+00	50.00	126.96	28.73	0.03	0.00	228	54	0	0	10,566	17	8,122
178+50	50.00	130.55	27.85	0.28	0.00	238	52	0	0	10,804	17	8,308
179+00	50.00	123.02	41.41	0.00	0.00	235	64	0	0	11,039	17	8,479
179+50	50.00	127.37	31.71	0.12	0.00	232	68	0	0	11,271	17	8,643
180+00	50.00	129.62	31.17	0.02	0.00	238	58	0	0	11,509	17	8,823
180+50	50.00	139.79	28.90	0.00	0.00	249	56	0	0	11,758	17	9,016
181+00	50.00	142.29	27.31	0.00	0.00	261	52	0	0	12,019	17	9,225
181+50	50.00	146.30	25.84	0.00	0.00	267	49	0	0	12,286	17	9,443
182+00	50.00	127.53	25.80	0.00	0.00	254	48	0	0	12,540	17	9,649
182+50	50.00	147.30	25.55	0.00	0.00	254	48	0	0	12,794	17	9,855
183+00	50.00	293.54	65.40	0.00	0.00	408	84	0	0	13,202	17	10,179
183+50	50.00	133.16	25.81	0.00	0.00	395	84	0	0	13,597	17	10,490
184+00	50.00	154.01	28.06	0.00	0.00	266	50	0	0	13,863	17	10,706
184+50	50.00	149.75	28.32	0.00	0.00	281	52	0	0	14,144	17	10,935
185+00	50.00	149.43	29.09	0.00	0.00	277	53	0	0	14,421	17	11,159
185+50	50.00	136.51	23.88	0.00	0.00	265	49	0	0	14,686	17	11,375
186+00	50.00	143.19	23.64	0.00	0.00	259	44	0	0	14,945	17	11,590
186+50	50.00	152.21	25.83	0.00	0.00	274	46	0	0	15,219	17	11,818
187+00	50.00	139.01	25.68	0.00	0.00	270	48	0	0	15,489	17	12,040
187+50	50.00	148.78	23.74	0.00	0.00	266	46	0	0	15,755	17	12,260
188+00	50.00	203.30	33.49	13.91	0.00	326	53	13	0	16,081	34	12,516
188+16.805	16.80	226.41	68.80	15.72	0.00	134	32	9	0	16,215	46	12,607
188+50	33.20	154.06	18.91	0.92	0.00	234	54	10	0	16,449	59	12,774
189+00	50.00	121.08	22.61	0.26	13.17	255	38	1	12	16,704	60	12,989
189+50	50.00	116.03	19.47	0.34	13.17	220	39	1	24	16,924	61	13,169
190+00	50.00	127.56	19.07	0.00	13.17	226	36	0	24	17,150	61	13,359
190+50	50.00	134.98	18.64	0.00	13.17	243	35	0	24	17,393	61	13,567
191+00	50.00	132.17	19.83	0.00	13.17	247	36	0	24	17,640	61	13,778
191+50	50.00	133.20	18.14	0.00	13.17	246	35	0	24	17,886	61	13,989
192+00	50.00	126.94	17.61	0.00	0.00	241	33	0	12	18,127	61	14,197
192+35.296	35.30	109.40	42.24	0.00	0.00	154	39	0	0	18,281	61	14,312
192+50	14.70	101.89	42.65	0.00	0.00	58	23	0	0	18,339	61	14,347
193+00	50.00	105.05	20.67	0.00	0.00	192	59	0	0	18,531	61	14,480

(CONTINUED)

STAGE 9 - SB MAINLINE LANES

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
193+50	50.00	99.12	23.19	0.15	0.00	189	41	0	0	18,720	61	14,628
194+00	50.00	103.08	25.43	0.02	0.00	187	45	0	0	18,907	61	14,770
194+12.69	12.69	106.73	39.00	0.00	0.00	49	15	0	0	18,956	61	14,804
194+50	37.31	114.49	42.20	0.00	0.00	153	56	0	0	19,109	61	14,901
195+00	50.00	121.97	30.92	0.00	0.00	219	68	0	0	19,328	61	15,052
195+50	50.00	124.27	32.58	0.00	13.11	228	59	0	12	19,556	61	15,221
196+00	50.00	129.67	34.86	0.01	13.17	235	62	0	24	19,791	61	15,394
196+50	50.00	134.20	36.18	0.00	13.17	244	66	0	24	20,035	61	15,572
197+00	50.00	258.37	39.56	0.00	13.17	363	70	0	24	20,398	61	15,865
197+19.285	19.28	251.81	55.53	0.00	13.17	182	34	0	9	20,580	61	16,013
197+50	30.72	138.04	29.61	0.00	13.17	222	48	0	15	20,802	61	16,187
198+00	50.00	143.36	33.04	0.00	13.17	261	58	0	24	21,063	61	16,390
198+50	50.00	128.05	43.85	0.01	13.17	251	71	0	24	21,314	61	16,570
199+00	50.00	131.17	32.23	0.00	13.17	240	70	0	24	21,554	61	16,740
199+50	50.00	122.75	32.26	0.00	13.17	235	60	0	24	21,789	61	16,915
200+00	50.00	93.80	23.77	0.00	9.83	201	52	0	21	21,990	61	17,064
200+50 BK	50.00	66.31	37.72	0.00	7.33	148	57	0	16	22,138	61	17,155
				COLUMN TOTALS		22,138	4,922	47	732			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	((CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	EARTHORK DATAÈ	SHEET 935	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 11

PLOT DATE : 7/21/2025 4:07 PM PLOT BY : SAM FLINT PLOT NAME ` PLOT SCALE : 1" = 1'

STAGE 10 - PROPOSED SB TURN LANES & MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
154+87.816 AH	0.00	1.04	1.04	9.89	0.00	0	0	0	0	0	0	0
155+00	12.18	1.04	1.04	11.30	0.00	0	0	5	0	0	7	-7
155+50	50.00	1.04	1.04	17.10	0.00	2	2	26	0	2	40	-40
156+00	50.00	1.44	1.44	17.01	0.00	2	2	32	0	4	82	-82
156+50	50.00	2.80	2.80	8.56	0.00	4	4	24	0	8	113	-113
157+00	50.00	4.95	4.95	3.39	0.00	7	7	11	0	15	127	-127
157+31.971	31.97	5.99	5.99	4.45	0.00	6	6	5	0	21	134	-134
157+50 BK	18.03	2.02	2.02	0.00	0.00	3	3	1	0	24	135	-135
158+50 AH	0.00	3.42	3.42	1.56	0.00	0	0	0	0	24	135	-135
158+65.83	15.83	6.06	6.06	4.45	0.00	3	3	2	0	27	138	-138
159+00	34.17	7.09	7.09	6.93	0.00	8	8	7	0	35	147	-147
159+50	50.00	6.00	6.00	5.41	0.00	12	12	11	0	47	161	-161
159+75	25.00	5.48	5.48	7.33	0.00	5	5	6	0	52	169	-169
160+00	25.00	5.07	5.07	11.54	0.00	5	5	9	0	57	181	-181
160+50	50.00	4.61	4.61	18.67	0.00	9	9	28	0	66	217	-217
161+00	50.00	4.59	4.59	14.07	0.00	9	9	30	0	75	256	-256
161+50	50.00	4.59	4.59	7.64	0.00	8	8	20	0	83	282	-282
162+00	50.00	4.59	4.59	5.23	0.00	8	8	12	0	91	298	-298
162+14.55 BK	14.55	4.59	4.59	4.02	0.00	2	2	2	0	93	300	-300
162+50 AH	0.00	80.23	4.59	0.00	4.95	0	0	0	0	93	300	-300
162+78.606	28.61	96.91	4.59	0.00	9.19	94	5	0	7	187	300	-211
163+00	21.39	108.01	4.59	0.00	8.60	81	4	0	7	268	300	-134
163+50	50.00	105.47	7.60	0.00	6.72	198	11	0	14	466	300	53
163+68.204	18.20	105.48	7.73	0.00	6.70	71	5	0	5	537	300	119
163+80.886	12.68	105.25	7.87	0.00	6.68	49	4	0	3	586	300	164
164+00	19.11	104.79	8.73	0.00	6.65	74	6	0	5	660	300	232
164+50	50.00	99.67	4.67	0.00	4.87	189	12	0	11	849	300	409
165+00	50.00	78.23	4.12	0.00	2.17	165	8	0	7	1,014	300	566
165+28.36	28.36	65.32	2.64	0.00	6.94	75	4	0	5	1,089	300	637
165+50	21.64	56.69	1.51	0.00	2.17	49	2	0	4	1,138	300	684
166+00	50.00	46.30	0.00	0.00	2.17	95	1	0	4	1,233	300	778
166+50	50.00	49.40	1.67	0.00	5.64	89	2	0	7	1,322	300	865
166+88.7	38.70	79.32	3.00	0.00	0.00	92	3	0	4	1,414	300	954
167+00	11.30	83.45	1.67	0.00	0.00	34	1	0	0	1,448	300	987
167+50	50.00	76.36	5.97	0.00	0.00	148	7	0	0	1,596	300	1,128
168+00	50.00	83.60	4.59	0.00	0.00	148	10	0	0	1,744	300	1,266
168+50	50.00	84.32	4.59	0.00	0.00	155	8	0	0	1,899	300	1,413
169+00	50.00	88.37	4.59	0.00	0.00	160	8	0	0	2,059	300	1,565
169+50	50.00	83.60	3.93	0.00	0.00	159	8	0	0	2,218	300	1,716
170+00	50.00	53.99	1.46	0.00	0.00	127	5	0	0	2,345	300	1,838
170+50	50.00	43.85	1.10	0.00	0.00	91	2	0	0	2,436	300	1,927
171+00	50.00	50.87	1.67	0.00	0.00	88	3	0	0	2,524	300	2,012
171+26.095	26.10	84.00	6.23	0.00	0.00	65	4	0	0	2,589	300	2,073
171+50	23.90	67.37	5.61	0.00	0.00	67	5	0	0	2,656	300	2,135
172+00	50.00	37.39	3.16	0.00	0.00	97	8	0	0	2,753	300	2,224
172+50	50.00	20.27	0.00	0.00	0.00	53	3	0	0	2,806	300	2,274
173+00	50.00	21.36	0.00	0.00	0.00	39	0	0	0	2,845	300	2,313
173+50	50.00	19.96	0.00	0.00	0.00	38	0	0	0	2,883	300	2,351
174+00	50.00	18.70	0.00	0.00	0.00	36	0	0	0	2,919	300	2,387
174+50	50.00	18.63	0.00	0.00	0.00	35	0	0	0	2,954	300	2,422
175+00	50.00	18.19	0.00	0.00	0.00	34	0	0	0	2,988	300	2,456
175+50	50.00	7.85	2.48	0.00	0.00	24	2	0	0	3,012	300	2,478
176+00	50.00	23.88	3.16	0.00	0.00	29	5	0	0	3,041	300	2,502
176+32.643	32.64	23.64	3.16	0.00	0.00	29	4	0	0	3,070	300	2,527
176+50	17.36	23.39	3.16	0.00	0.00	15	2	0	0	3,085	300	2,540
177+00	50.00	81.06	9.29	0.00	0.00	97	12	0	0	3,182	300	2,625
177+50	50.00	82.51	9.31	0.00	0.00	151	17	0	0	3,333	300	2,759
178+00	50.00	84.35	9.31	0.00	0.00	155	17	0	0	3,488	300	2,897
178+50	50.00	83.14	9.31	0.00	0.00	155	17	0	0	3,643	300	3,035
179+00	50.00	82.58	9.31	0.00	0.00	153	17	0	0	3,796	300	3,171
179+50	50.00	81.07	9.31	0.00	0.00	152	17	0	0	3,948	300	3,306
180+00	50.00	80.63	9.31	0.00	0.00	150	17	0	0	4,098	300	3,439
180+50	50.00	80.57	9.31	0.00	0.00	149	17	0	0	4,247	300	3,571
181+00	50.00	79.15	9.31	0.00	0.00	148	17	0	0	4,395	300	3,702
181+50	50.00	70.17	7.56	0.00	0.00	138	16	0	0	4,533	300	3,824
182+00	50.00	51.74	4.95	0.00	0.00	113	12	0	0	4,646	300	3,925
182+50	50.00	50.26	4.04	0.00	0.00	94	8	0	0	4,740	300	4,011
183+00	50.00	71.52	7.36	0.00	0.00	113	11	0	0	4,853	300	4,113
183+50	50.00	83.77	8.30	0.00	0.00	144	15	0	0	4,997	300	4,242
184+00	50.00	59.67	5.91	0.00	0.00	133	13	0	0	5,130	300	4,362
184+50	50.00	37.99	2.33	0.00	0.00	90	8	0	0	5,220	300	4,444
185+00	50.00	25.81	0.00	0.00	0.00	59	2	0	0	5,279	300	4,501
185+50	50.00	24.36	0.00	0.00	0.00	46	0	0	0	5,325	300	4,547
186+00	50.00	24.02	0.00	0.00	0.00	45	0	0	0	5,370	300	4,592
186+50	50.00	24.20	0.00	0.00	0.00	45	0	0	0	5,415	300	4,637
187+00	50.00	24.10	0.00	0.00	0.00	45	0	0	0	5,460	300	4,682
187+50	50.00	15.79	0.00	0.00	0.00	37	0	0	0	5,497	300	4,719

(CONTINUED)

STAGE 10 - PROPOSED SB TURN LANES & MEDIAN

STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4
188+00	50.00	26.82	3.18	0.00	0.00	39	3	0	0	5,536	300	4,755
188+16.805	16.80	26.59	3.10	0.00	0.00	17	2	0	0	5,553	300	4,770
188+50	33.20	88.10	3.35	0.00	0.00	71	4	0	0	5,624	300	4,837
189+00	50.00	92.03	9.31	0.00	10.33	167	12	0	10	5,791	300	4,992
189+50	50.00	91.52	9.31	0.00	10.33	170	17	0	19	5,961	300	5,145
190+00	50.00	89.56	9.31	0.00	10.00	168	17	0	19	6,129	300	5,296
190+50	50.00	87.50	9.31	0.00	10.00	164	17	0	19	6,293	300	5,443
191+00	50.00	85.24	9.31	0.00	9.33	160	17	0	18	6,453	300	5,586
191+50	50.00	82.95	9.31	0.00	8.23	156	17	0	16	6,609	300	5,725
192+00	50.00	70.65	7.72	0.00	0.00	142	16	0	8	6,751	300	5,851
192+35.296	35.30	59.54	5.92	0.00	0.00	85	9	0	0	6,836	300	5,927
192+50	14.70	54.48	5.00	0.00	0.00	31	3	0	0	6,867	300	5,955
193+00	50.00	47.61	4.31	0.00	0.00	95	9	0	0	6,962	300	6,041
193+50	50.00	45.05	4.31	0.00	0.00	86	8	0	0	7,048	300	6,119
194+00	50.00	40.77	4.24	0.00	0.00	79	8	0	0	7,127	300	6,190
194+12.69	12.69	34.97	4.04	0.00	0.00	18	2	0	0	7,145	300	6,206
194+50	37.31	85.27	9.31	0.00	0.00	83	9	0	0	7,228	300	6,280
195+00	50.00	71.21	7.89	0.00	0.00	145	16	0	0	7,373	300	6,409
195+50	50.00	47.26	4.16	0.00	3.08	110	11	0	3	7,483	300	6,508
196+00	50.00	27.87	1.11	0.00	2.75	70	5	0	5	7,553	300	6,573
196+50	50.00	23.91	0.00	0.00	2.17	48	1	0	5	7,601	300	6,620
197+00	50.00	24.35	0.00	0.00	2.17	45	0	0	4	7,646	300	6,665
197+19.285	19.28	24.00	0.00	0.00	2.17	17	0	0	2	7,663	300	6,682
197+50	30.72	22.98	0.00	0.00	2.17	27	0	0	2	7,690	300	6,709
198+00	50.00	19.65	0.00	0.00	2.17	39	0	0	4	7,729	300	6,748
198+50	50.00	18.31	0.15	0.00	2.17	35	0	0	4	7,764	300	6,783
199+00	50.00	21.21	1.18	0.00	2.67	37	1	0	4	7,801	300	6,819
199+50	50.00	20.36	1.59	0.00	2.67	38	3	0	5	7,839	300	6,854
199+55.233	5.23	46.40	1.63	0.00	2.67	6	0	0	1	7,845	300	6,860
200+00	44.77	48.10	7.51	0.00	6.00	78	8	0	7	7,923	300	6,930
200+50 BK	50.00	28.29	7.36	0.00	3.33	71	14	0	9	7,994	300	6,987
				COLUMN TOTALS		7,994	707	231	247			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	((CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

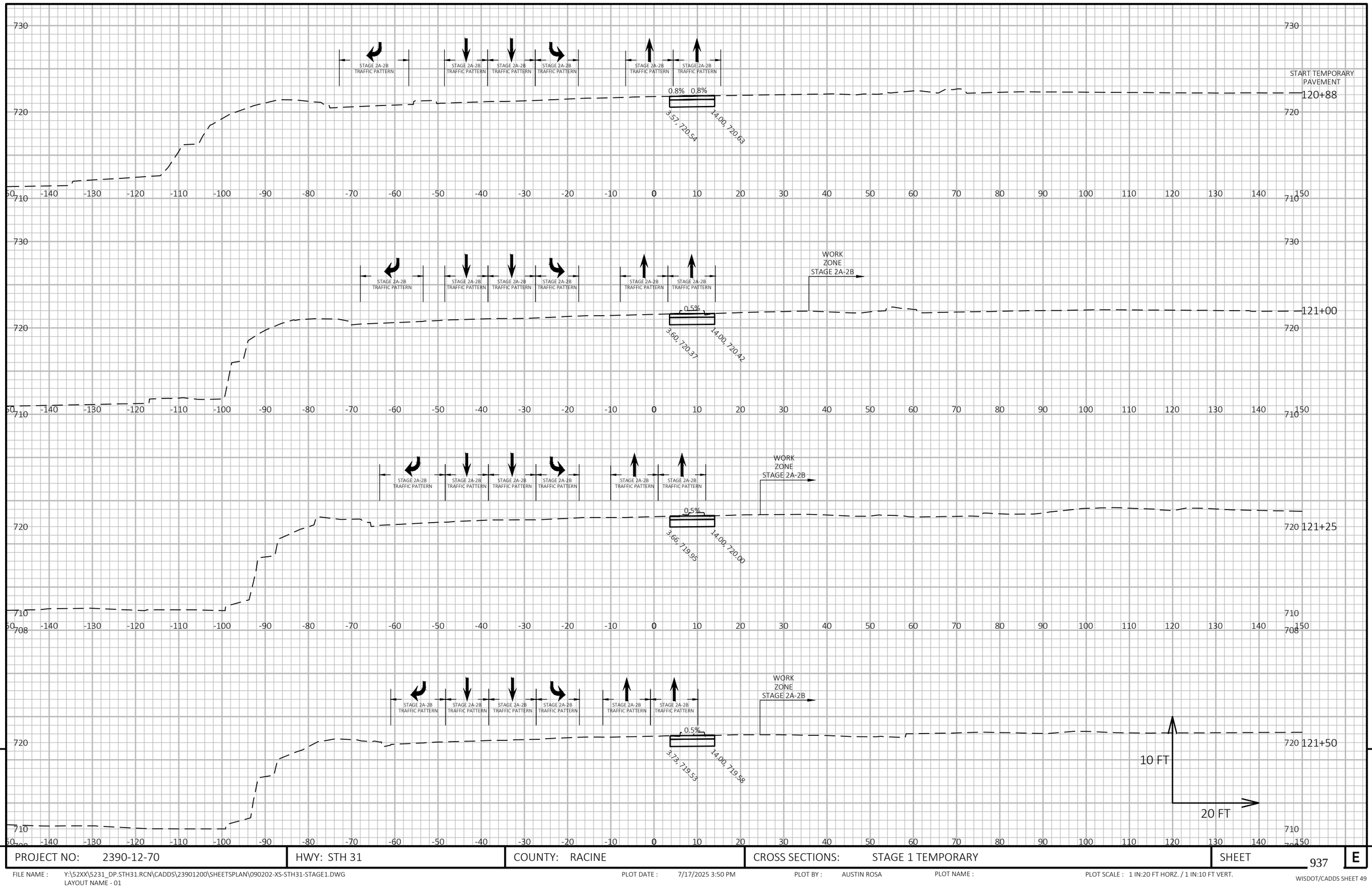
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PROJECT NO: 2390-12-70 | HWY: STH 31 | COUNTY: RACINE | EARTHORK DATAÈ | SHEET 936 | E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 12

PLOT DATE : 7/21/2025 4:07 PM PLOT BY : SAM FLINT PLOT NAME ` PLOT SCALE : 1" = 1'

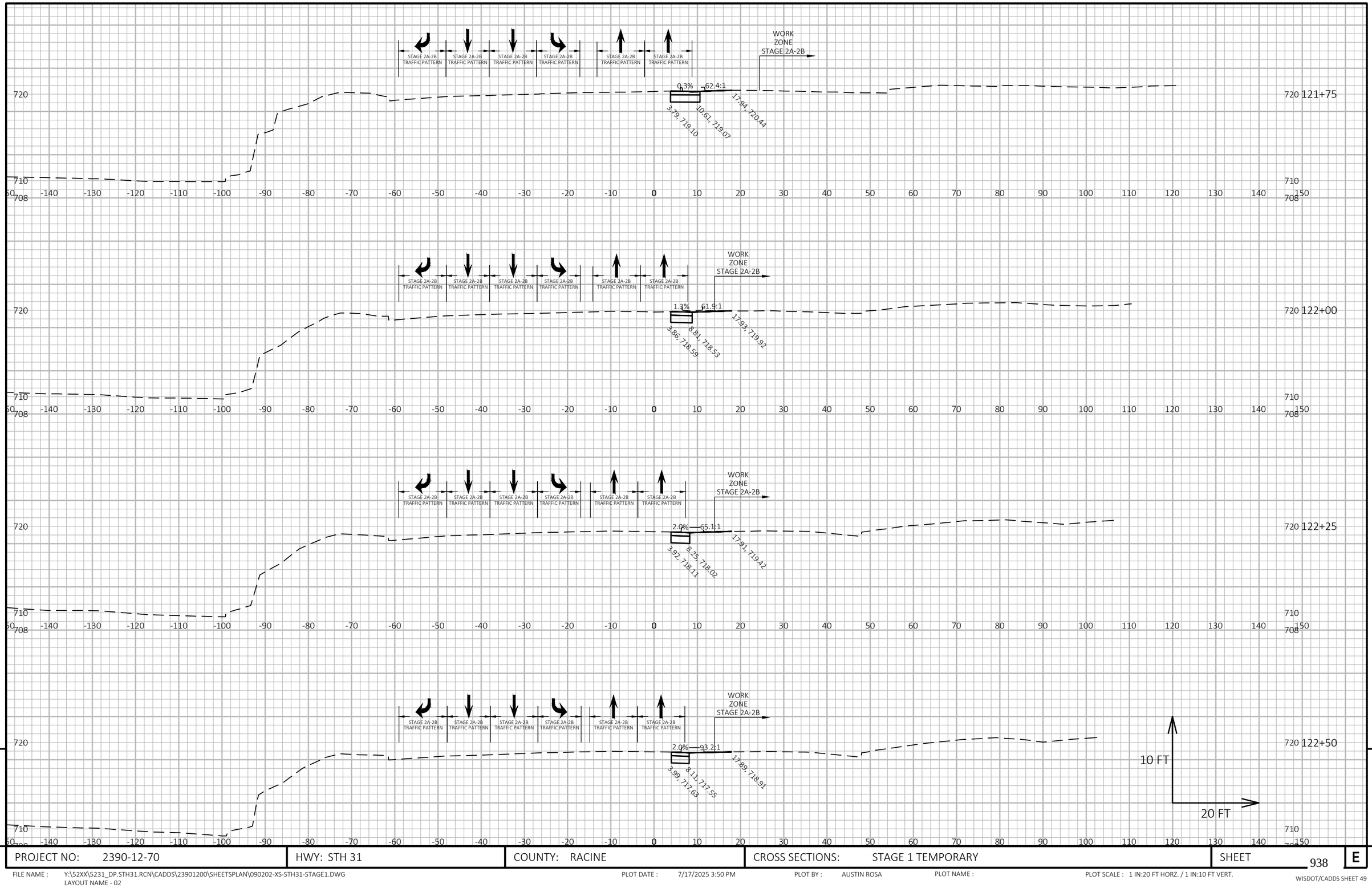


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 937	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 01

PLOT DATE : 7/17/2025 3:50 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 938	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 02

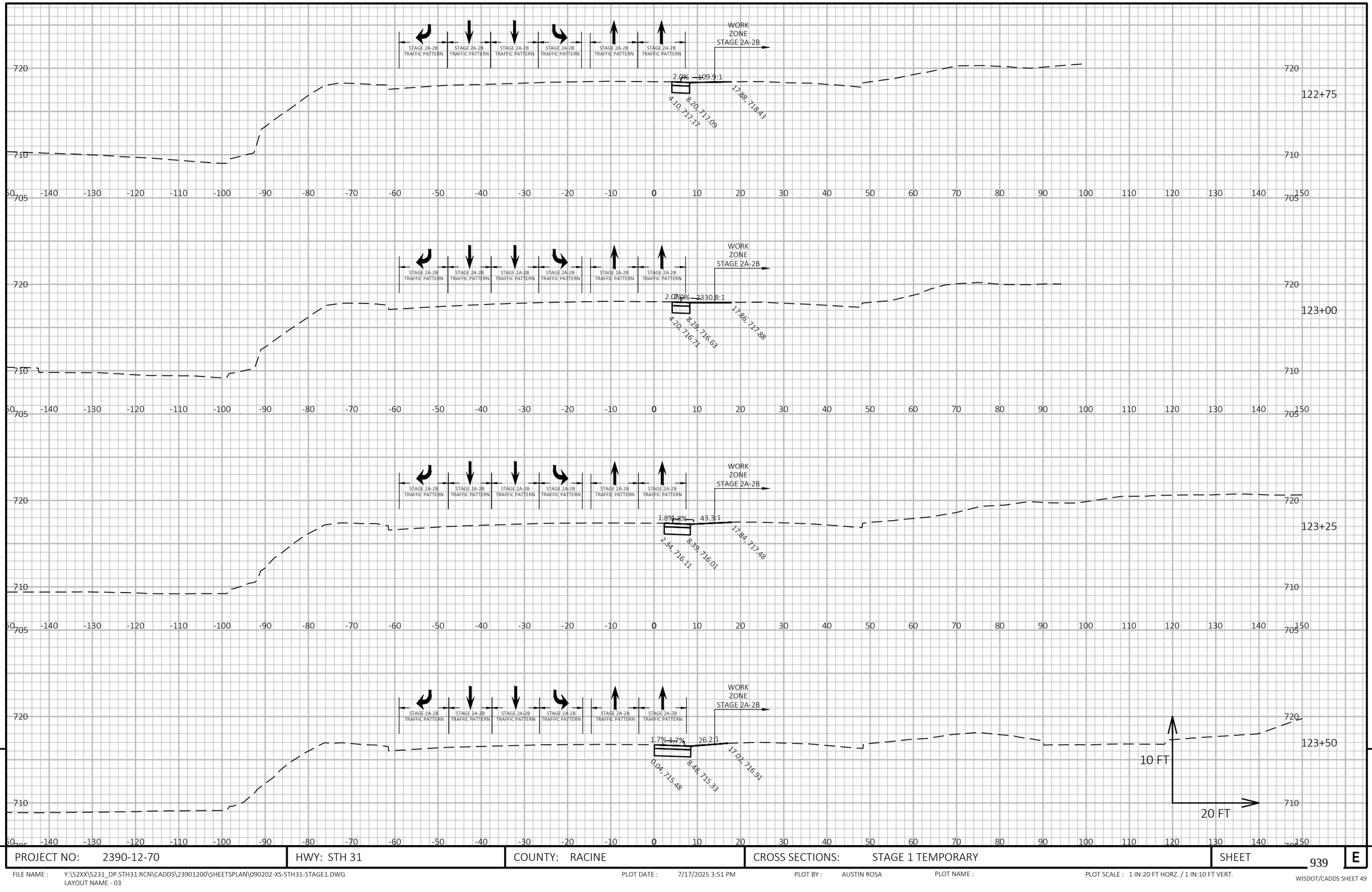
PLOT DATE : 7/17/2025 3:50 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



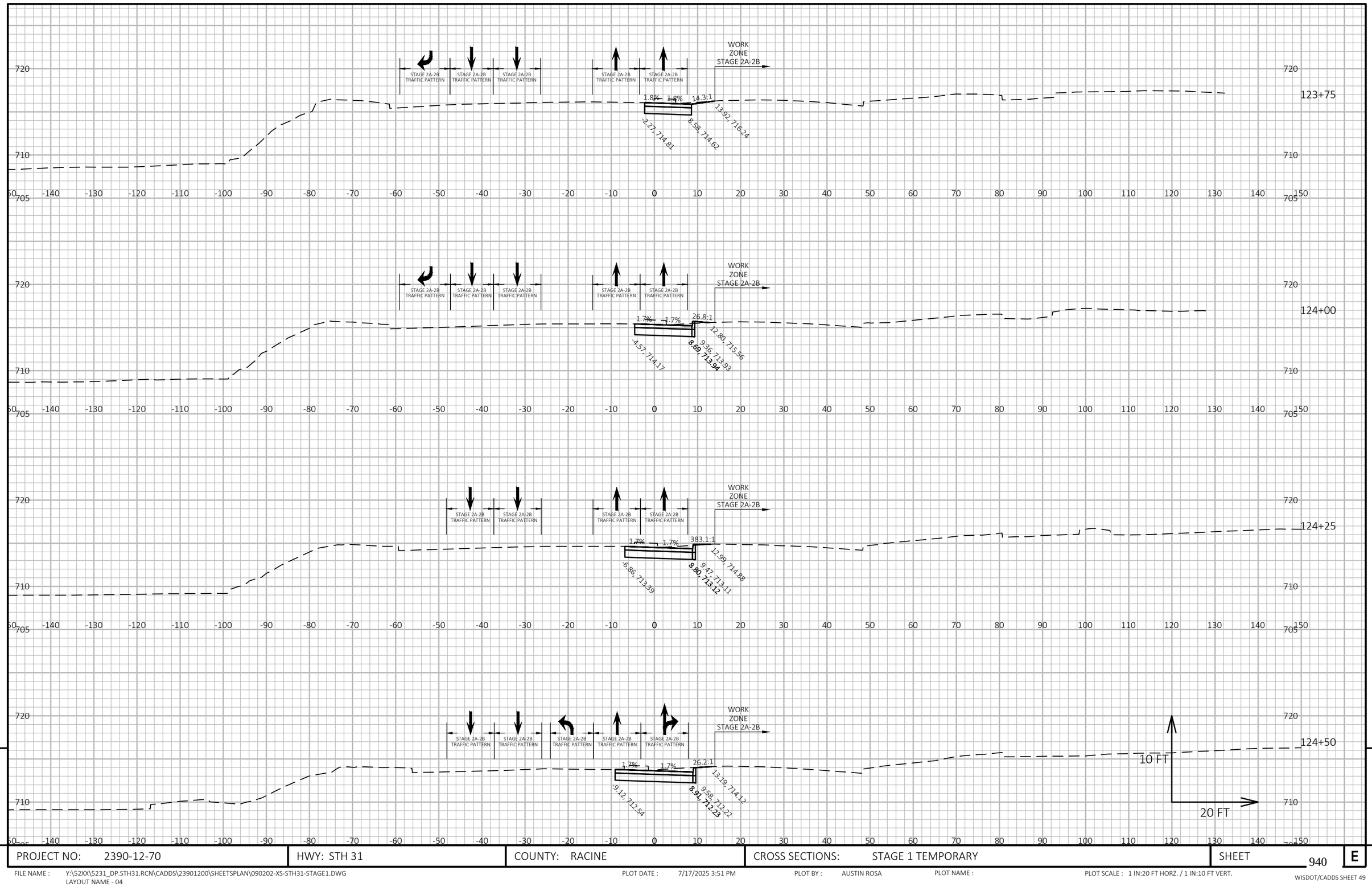
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 939	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 03

PLOT DATE : 7/17/2025 3:51 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 940	E

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LAYOUT NAME - 04

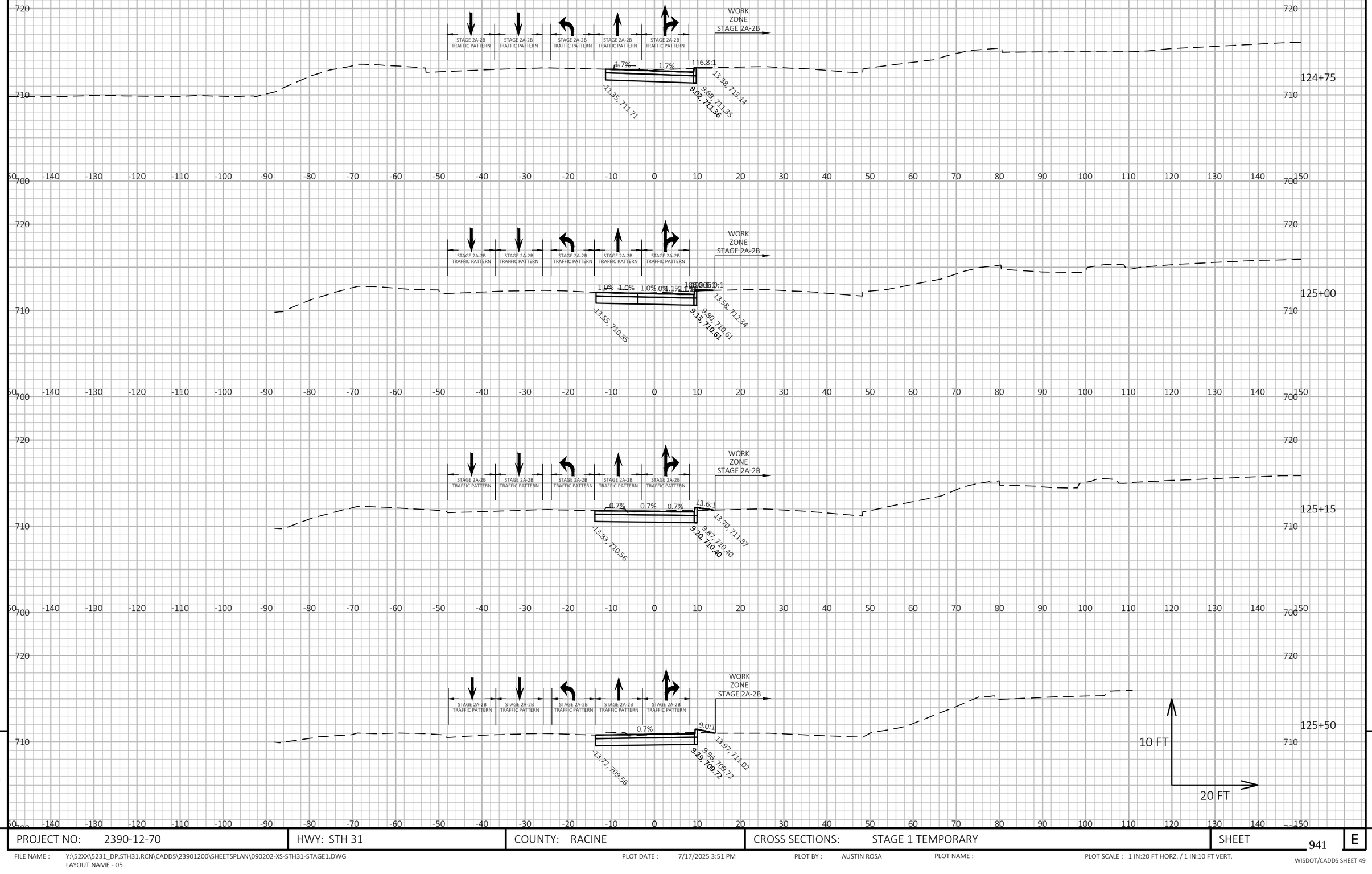
PLOT DATE : 7/17/2025 3:51 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 941	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 05

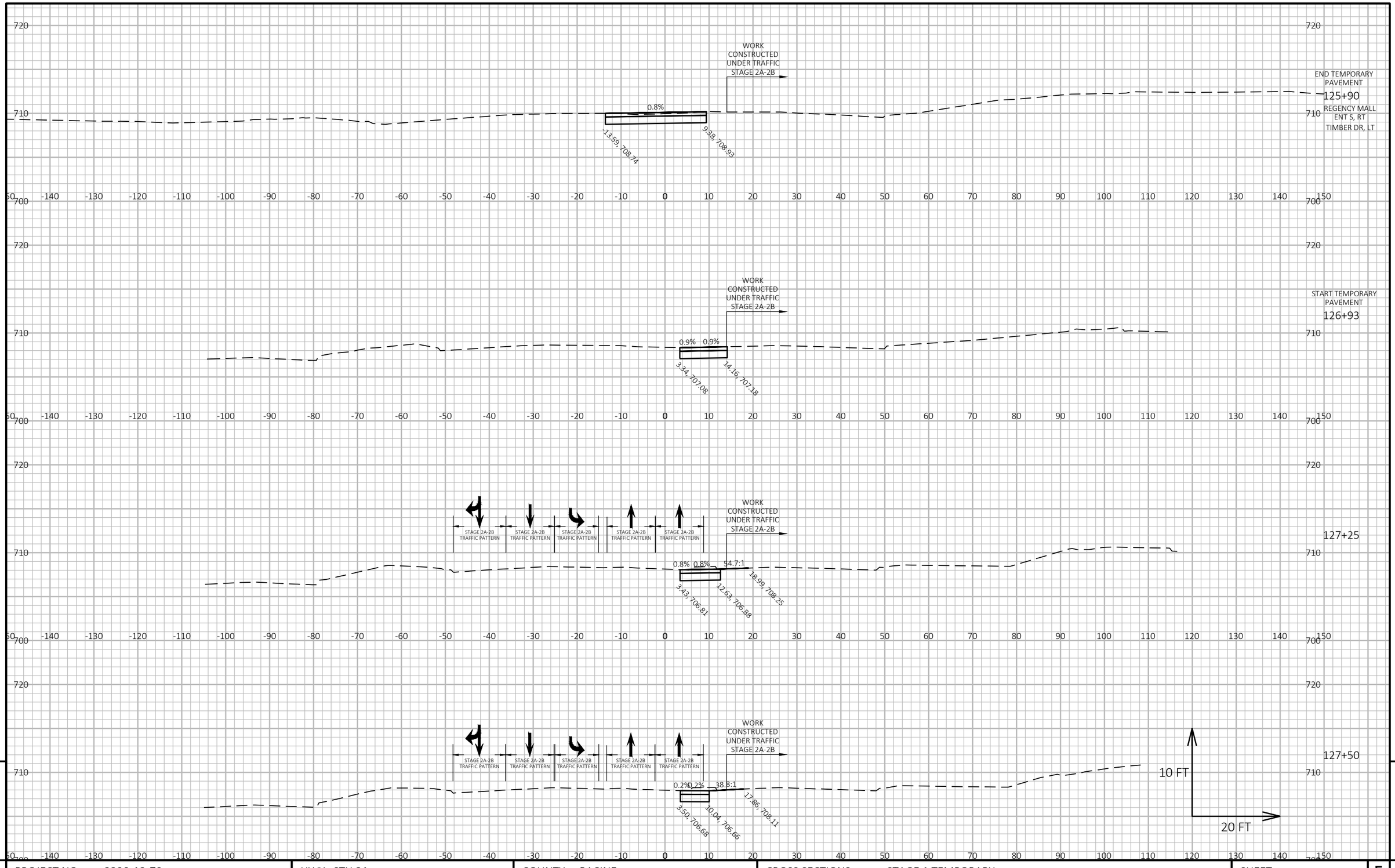
PLOT DATE : 7/17/2025 3:51 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 942	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 06

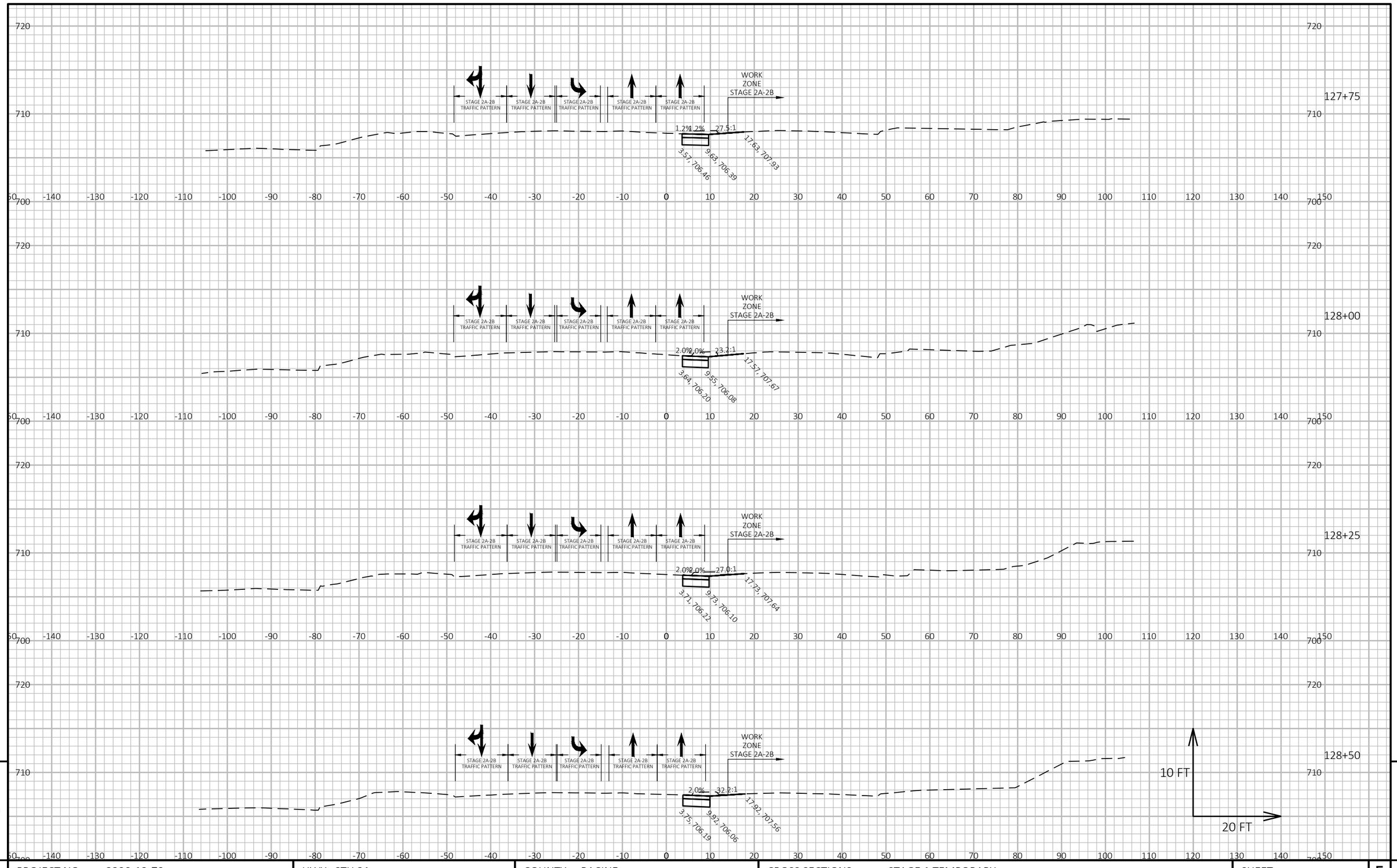
PLOT DATE : 7/17/2025 3:51 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 943	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 07

PLOT DATE : 7/17/2025 3:51 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 944	E

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LAYOUT NAME - 08

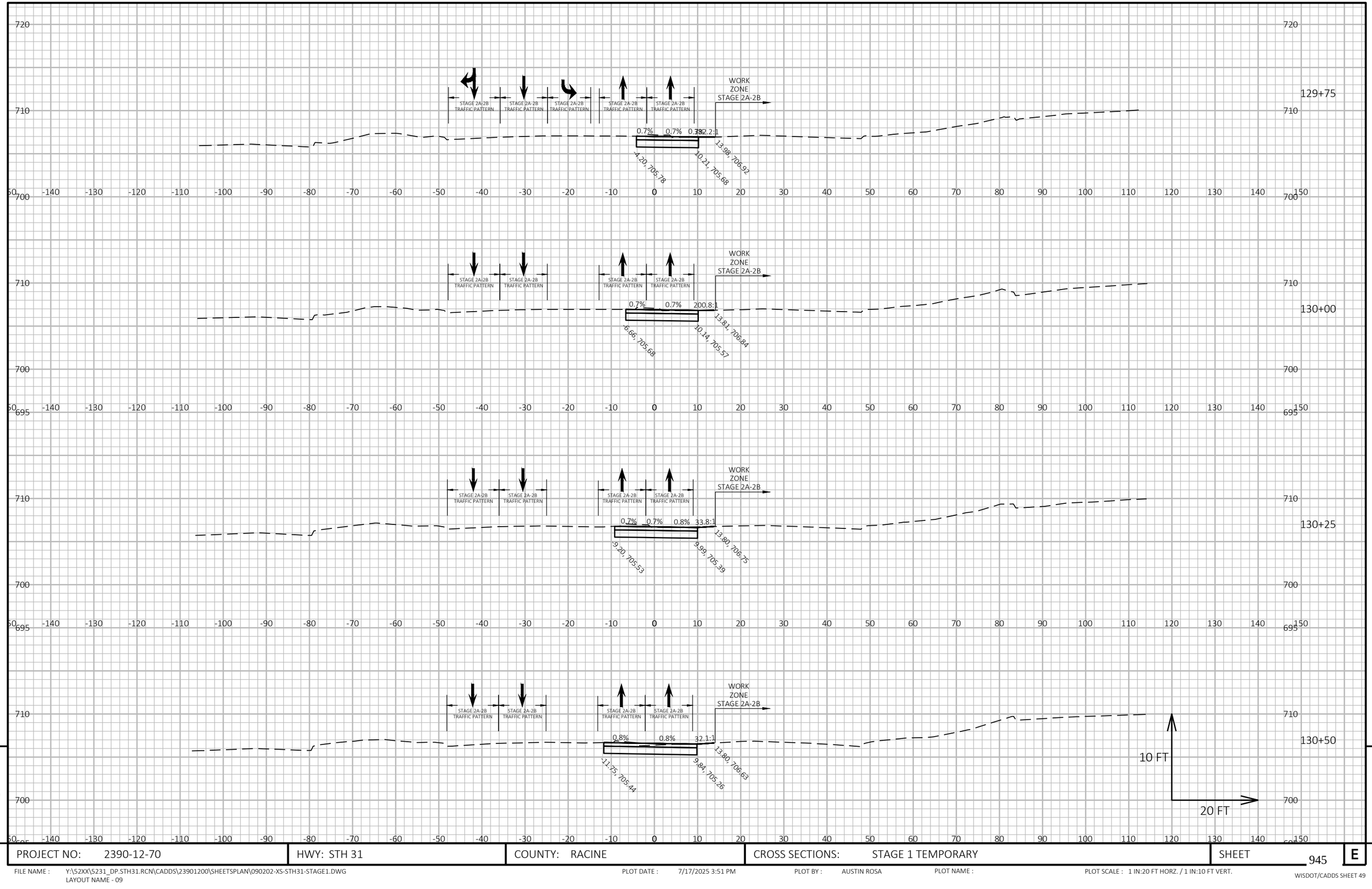
PLOT DATE : 7/17/2025 3:51 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 945	E

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LAYOUT NAME - 09

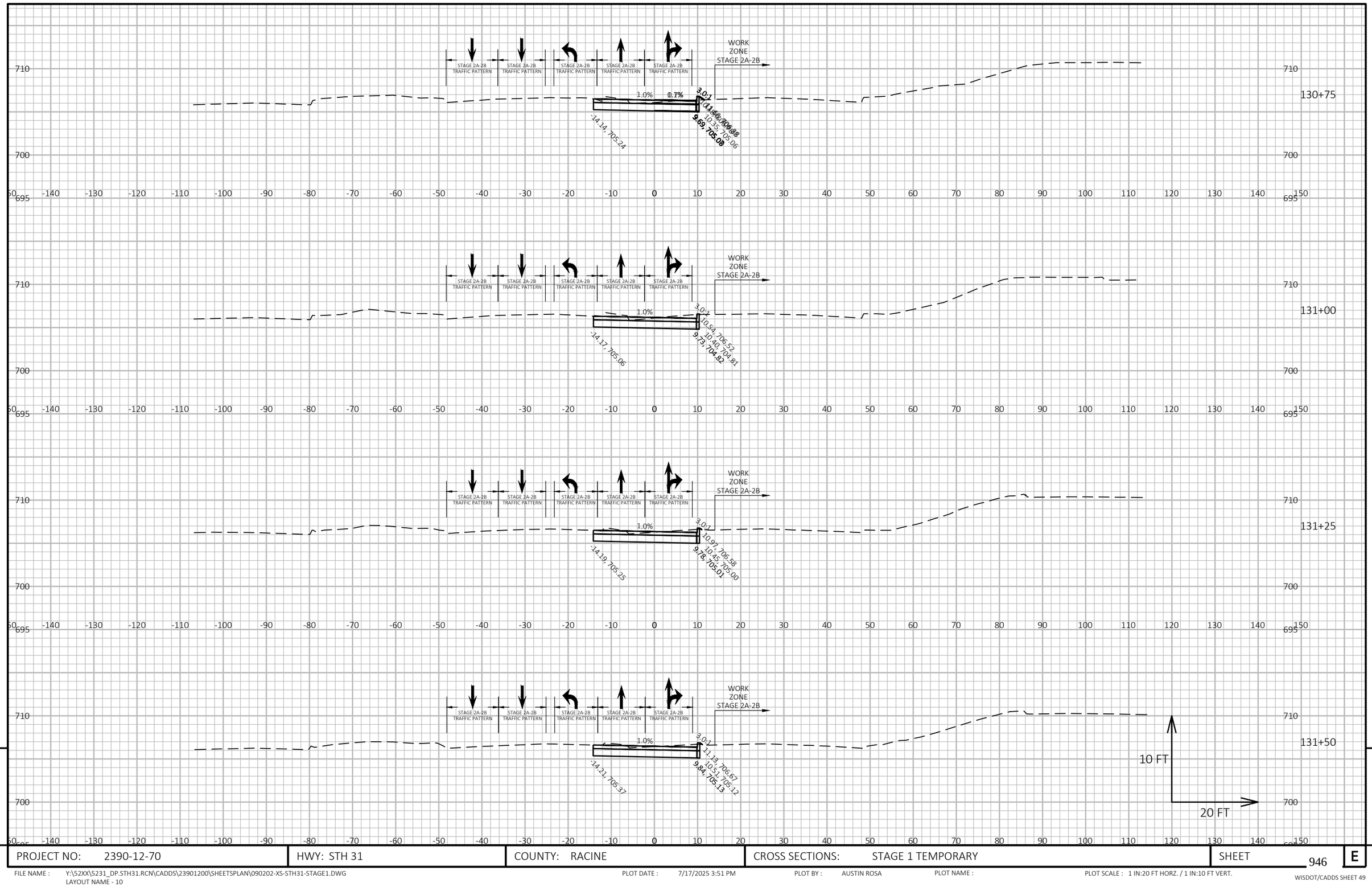
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PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



10 FT

20 FT

9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 946	E

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LAYOUT NAME - 10

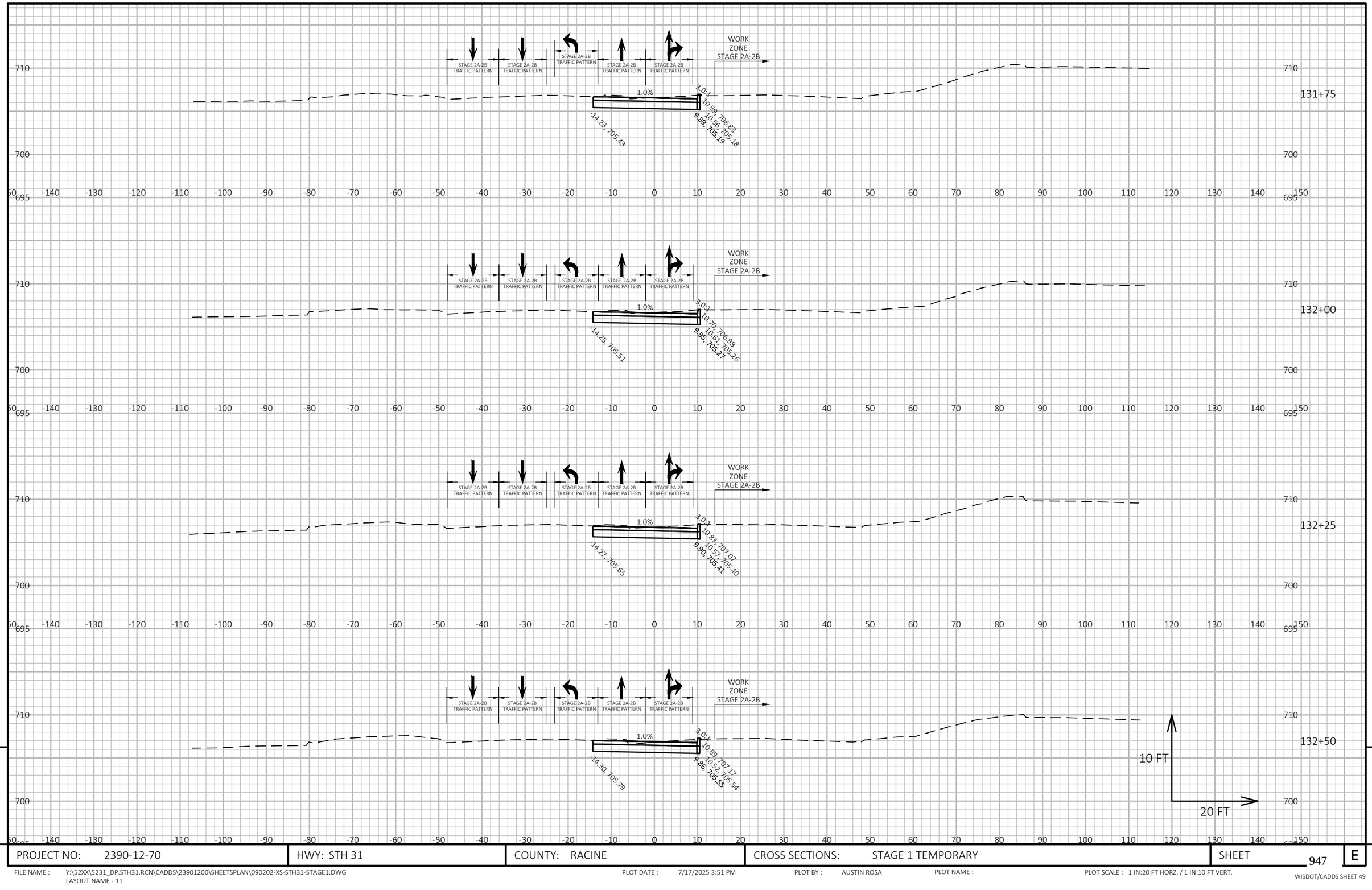
PLOT DATE : 7/17/2025 3:51 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

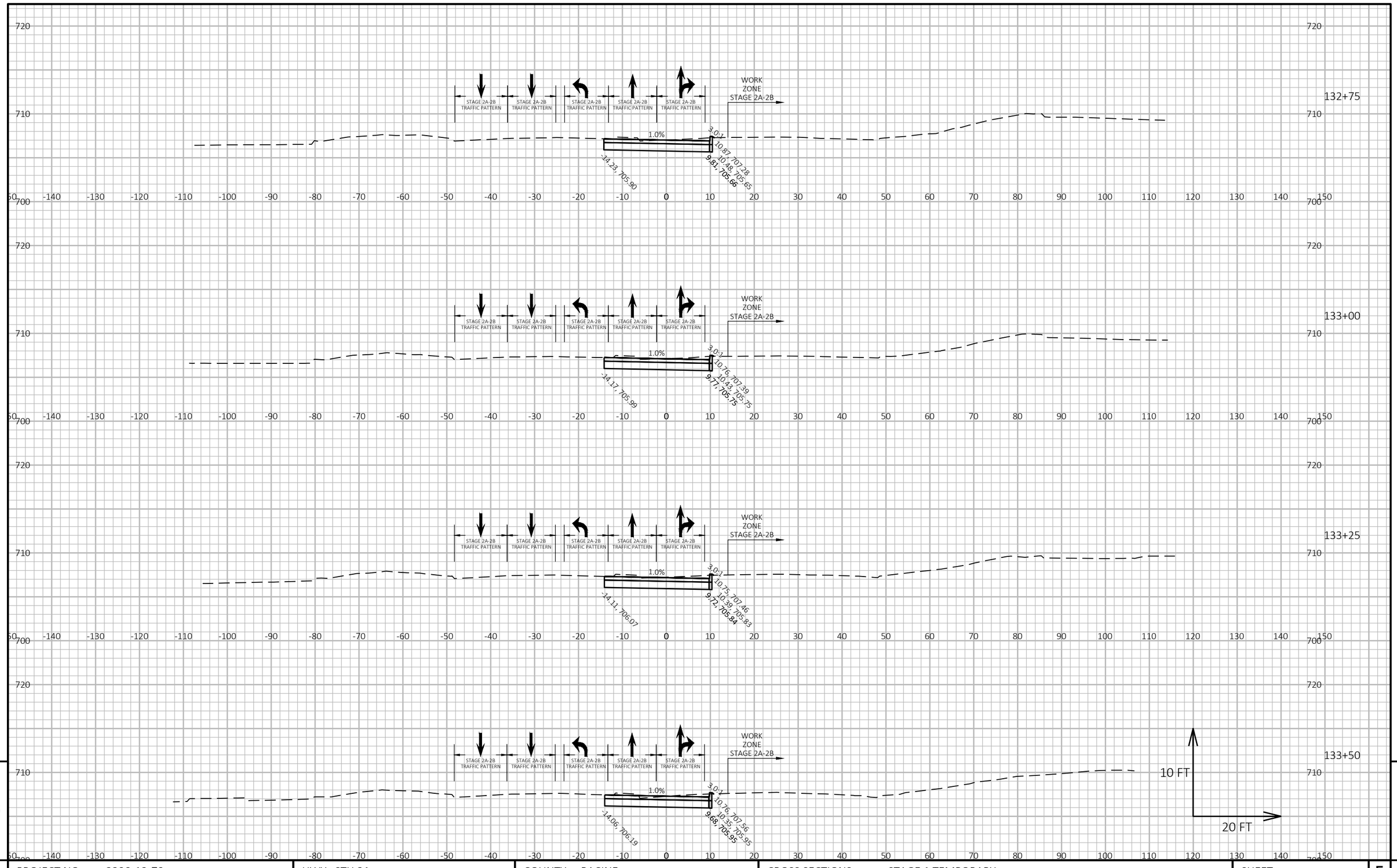
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 947	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 11

PLOT DATE : 7/17/2025 3:51 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 948	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 12

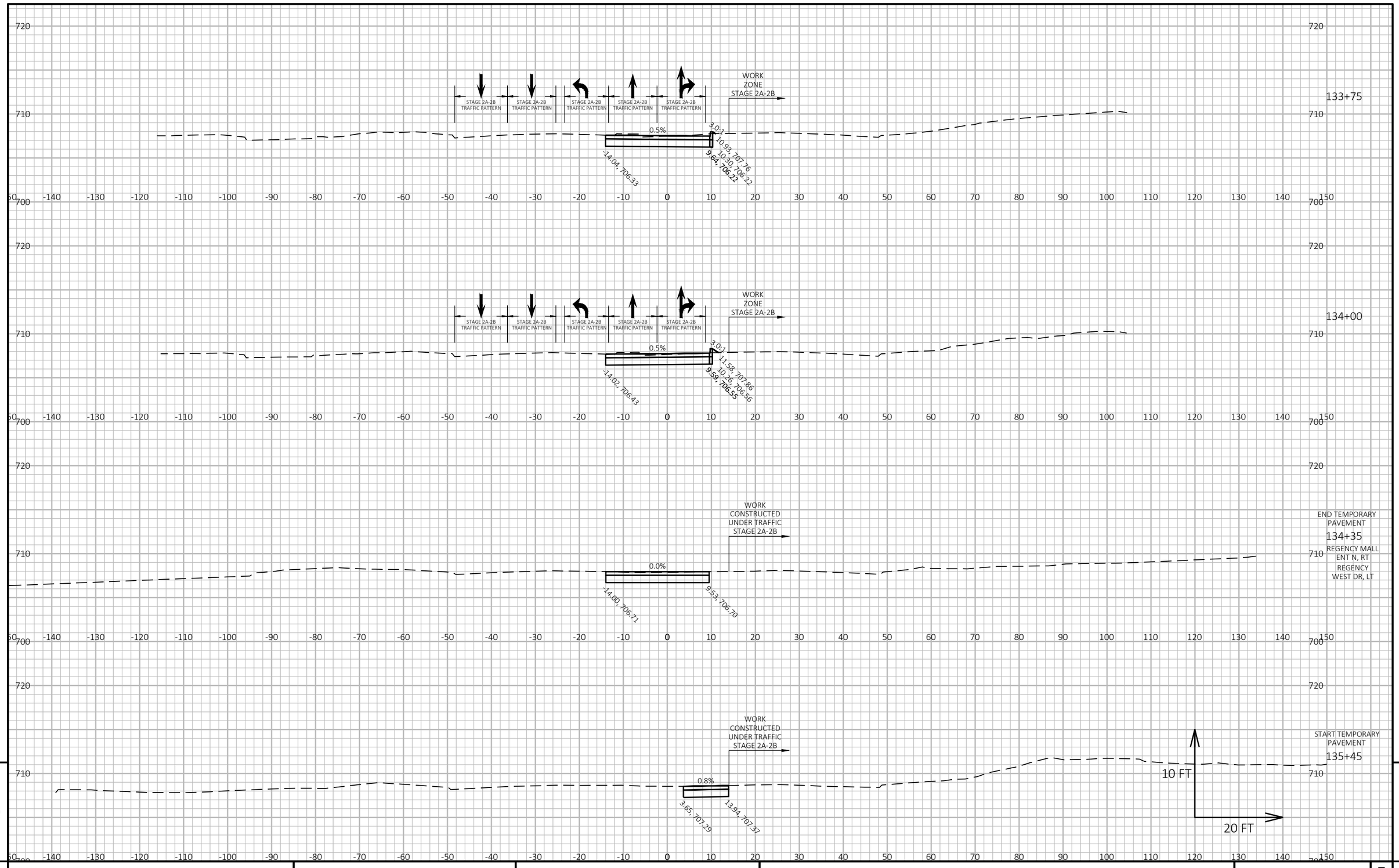
PLOT DATE : 7/17/2025 3:51 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



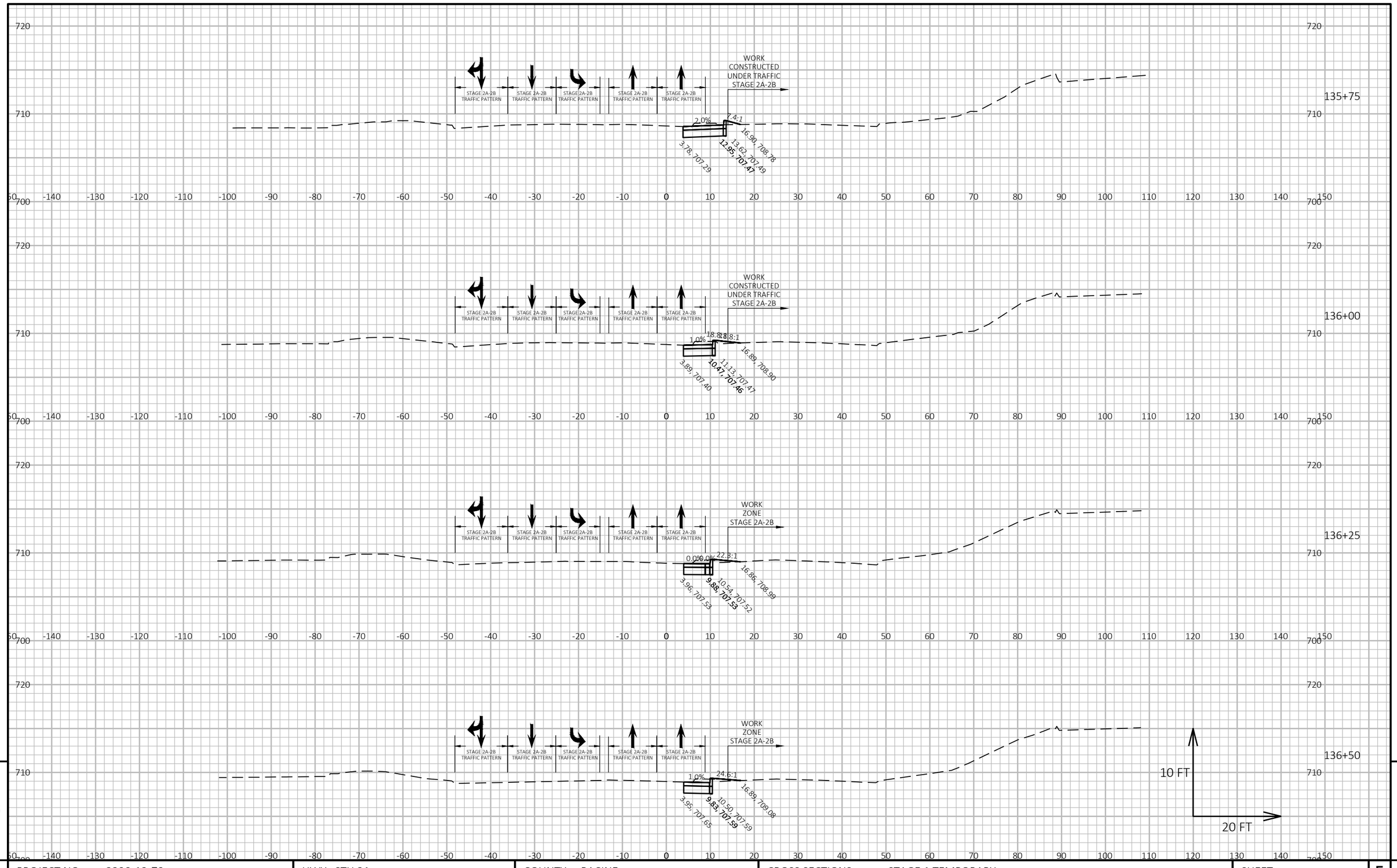
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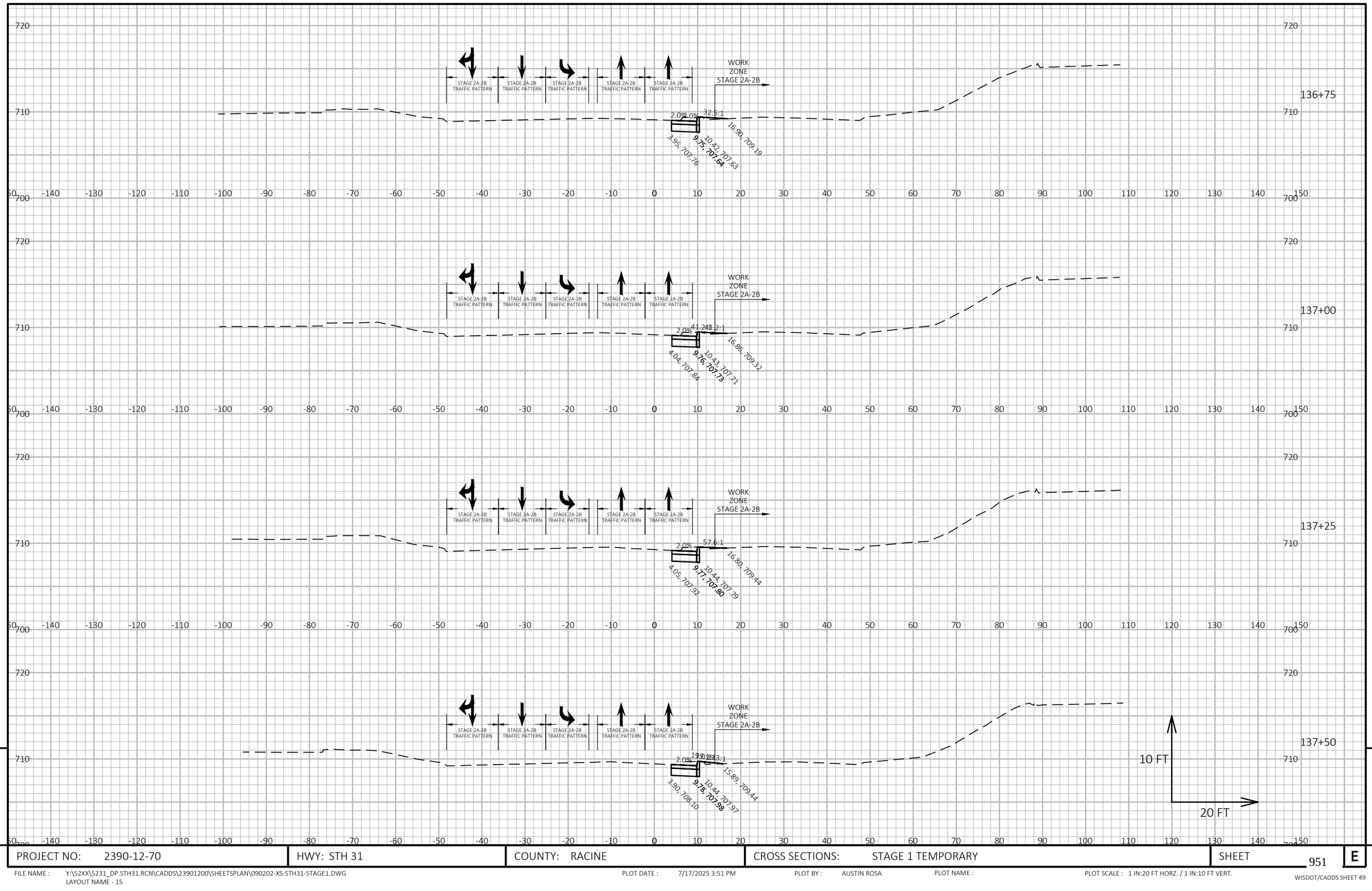
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LAYOUT NAME - 13

PLOT DATE : 7/17/2025 3:51 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 950 E



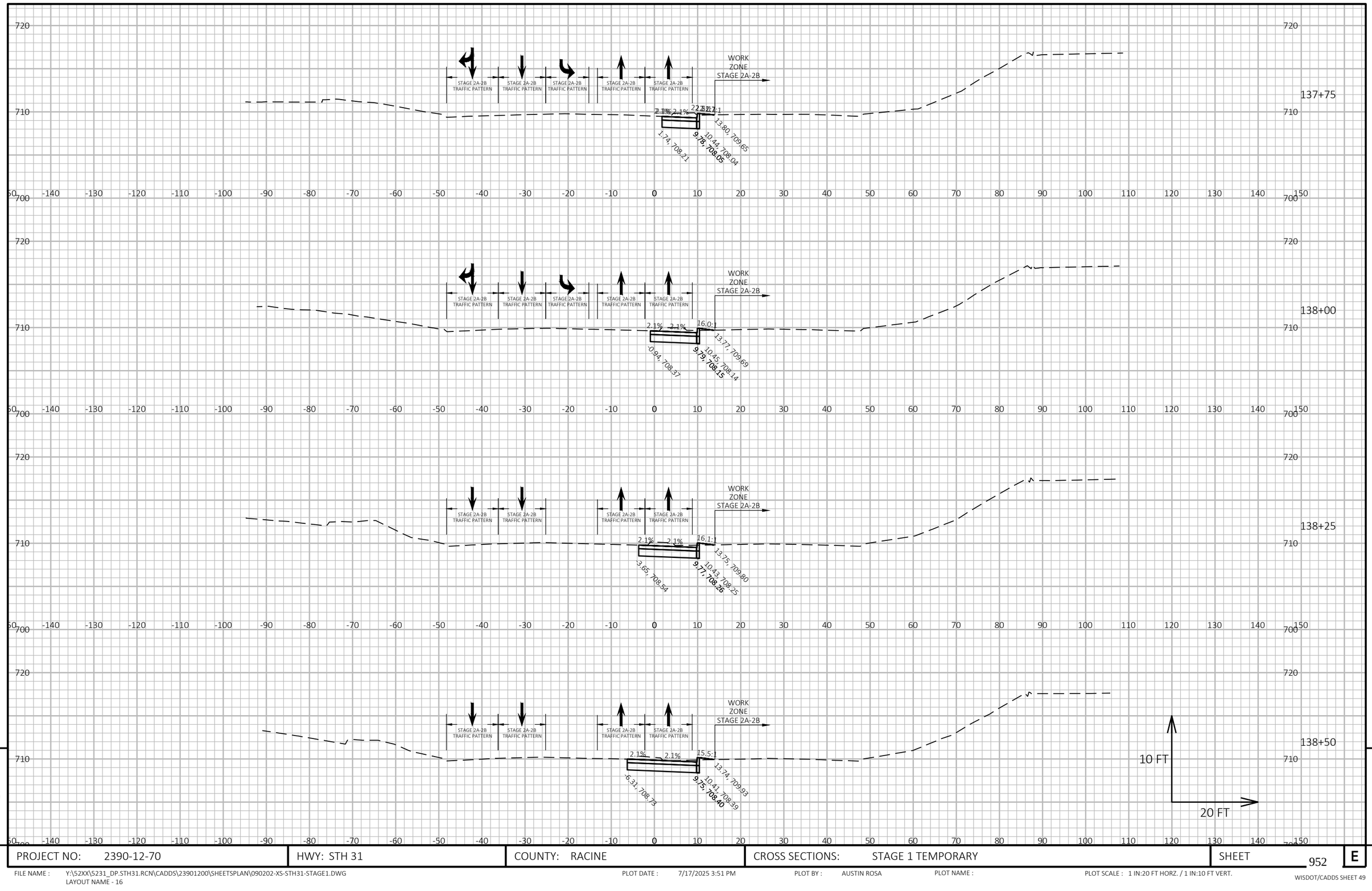
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 951	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 15

PLOT DATE : 7/17/2025 3:51 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



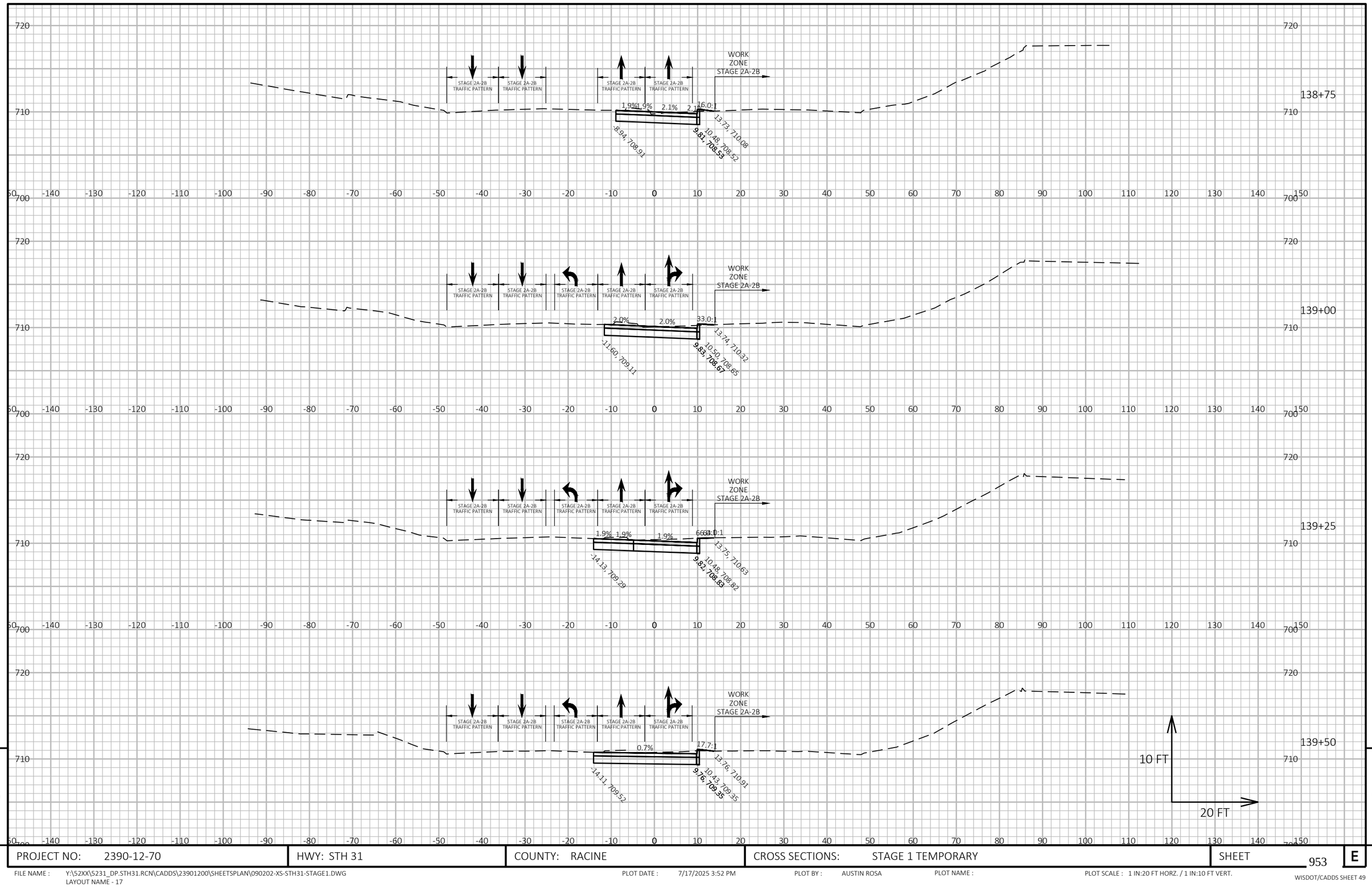
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 952	E

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LAYOUT NAME - 16

PLOT DATE : 7/17/2025 3:51 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



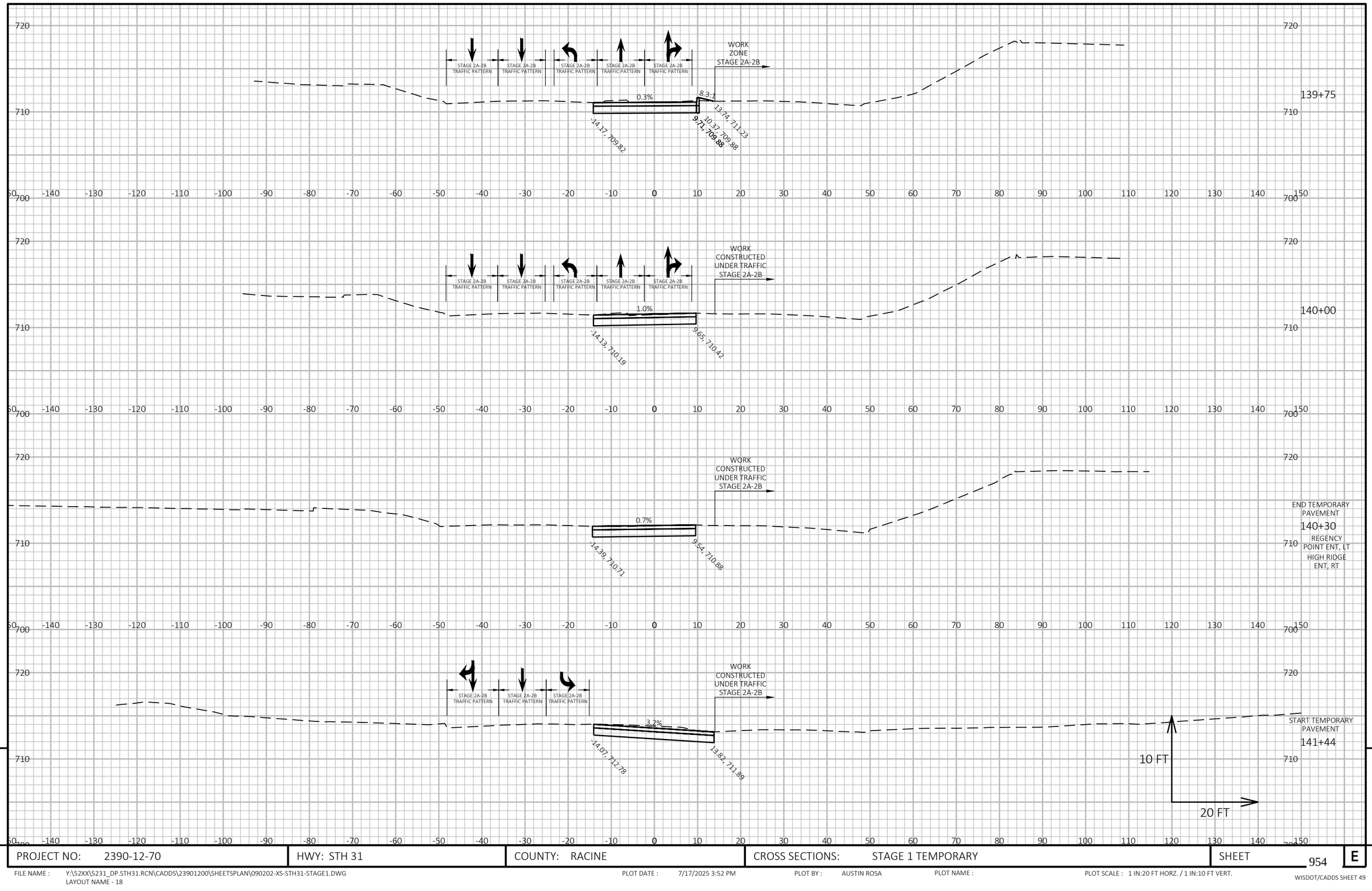
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 953	E

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LAYOUT NAME - 17

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

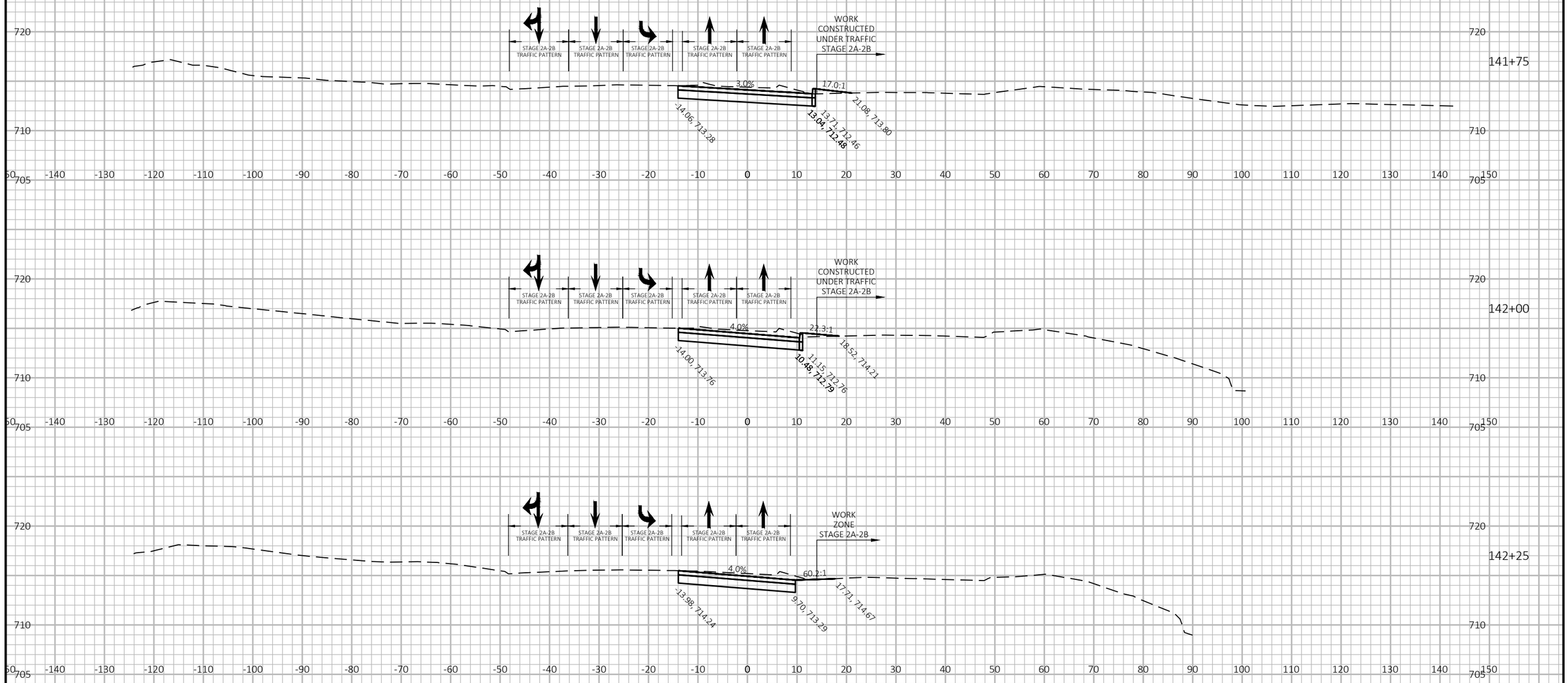
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 954	E

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LAYOUT NAME - 18

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

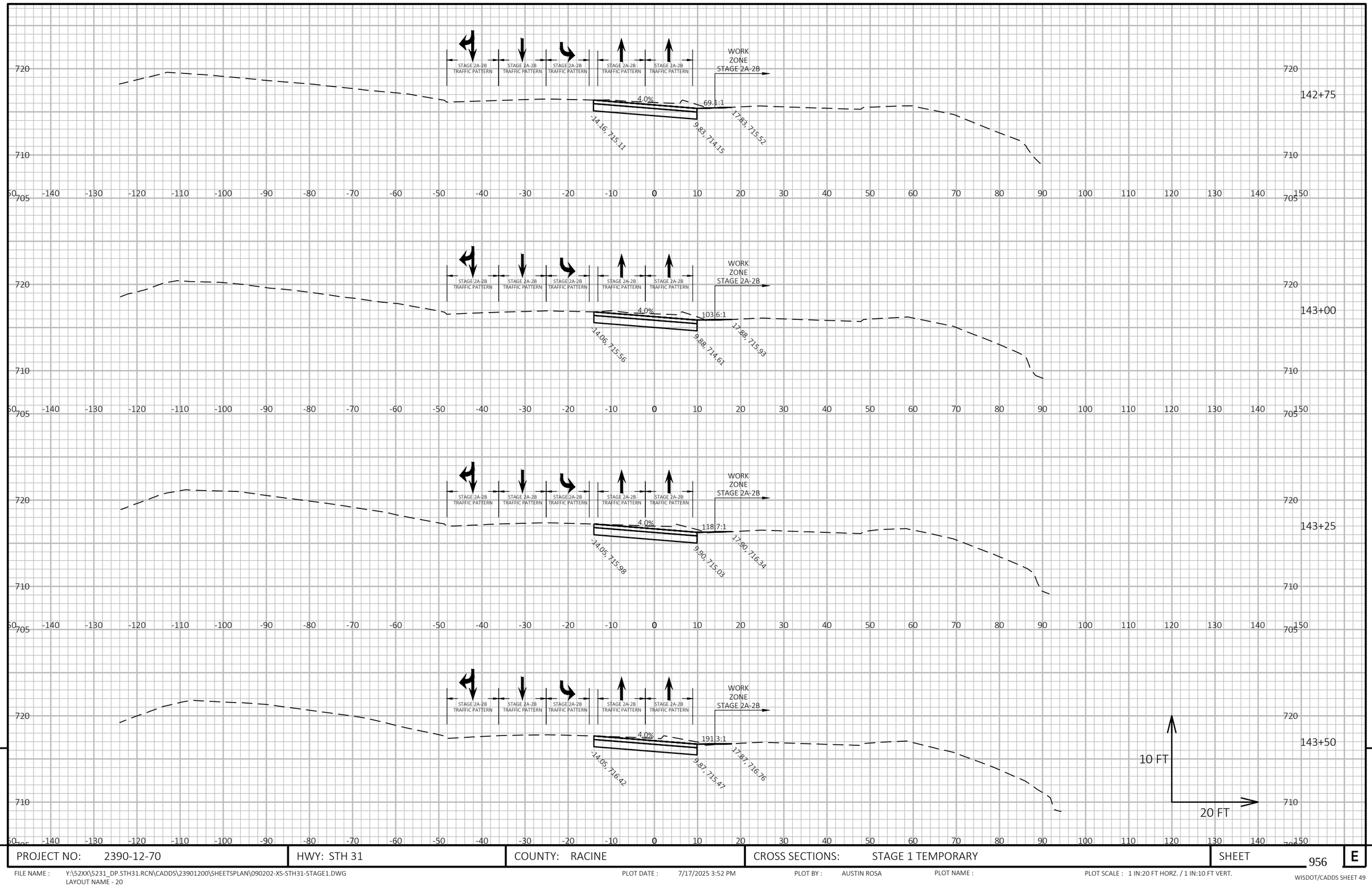
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 955	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 19

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



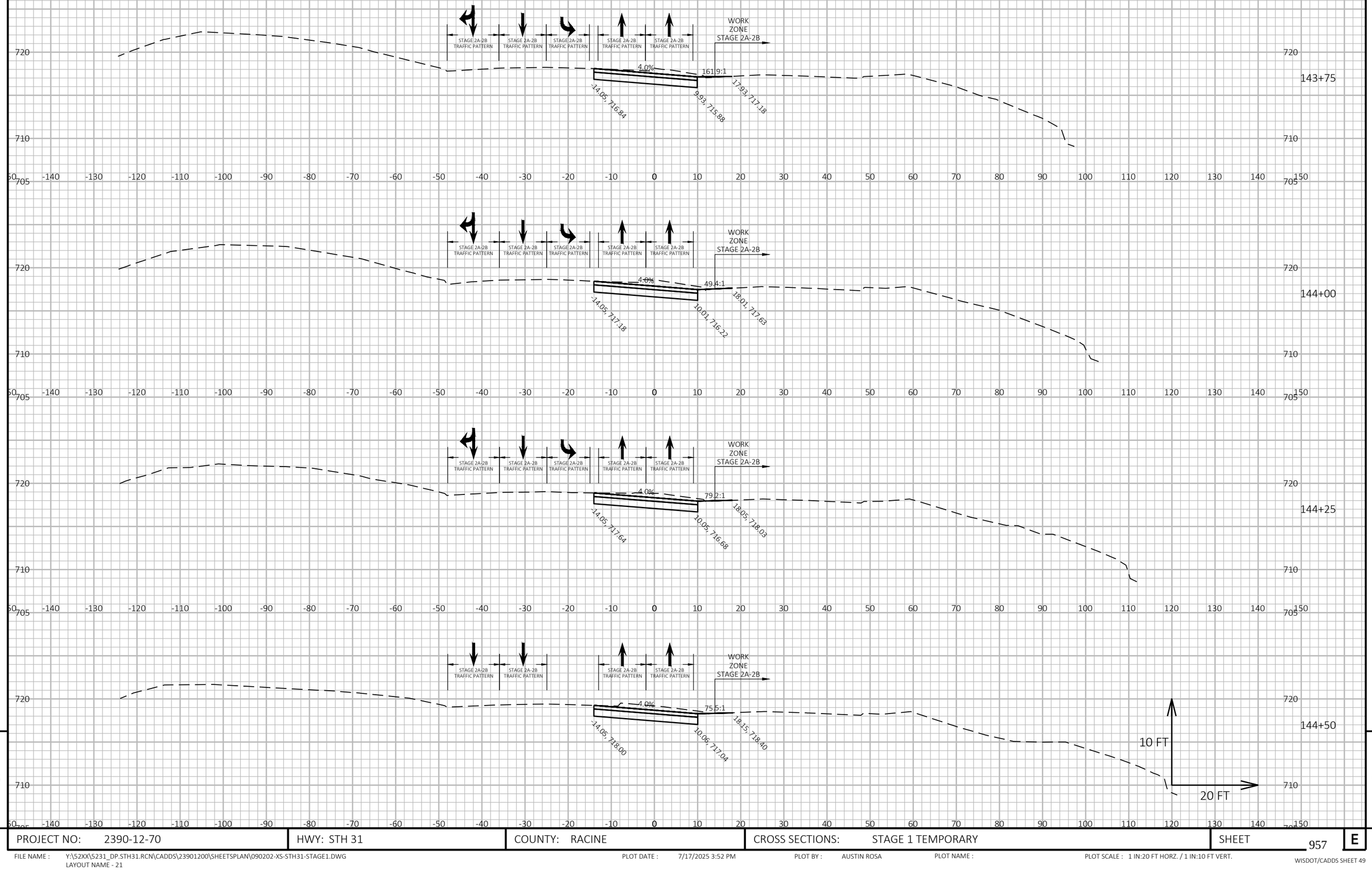
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 956	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 20

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 957	E

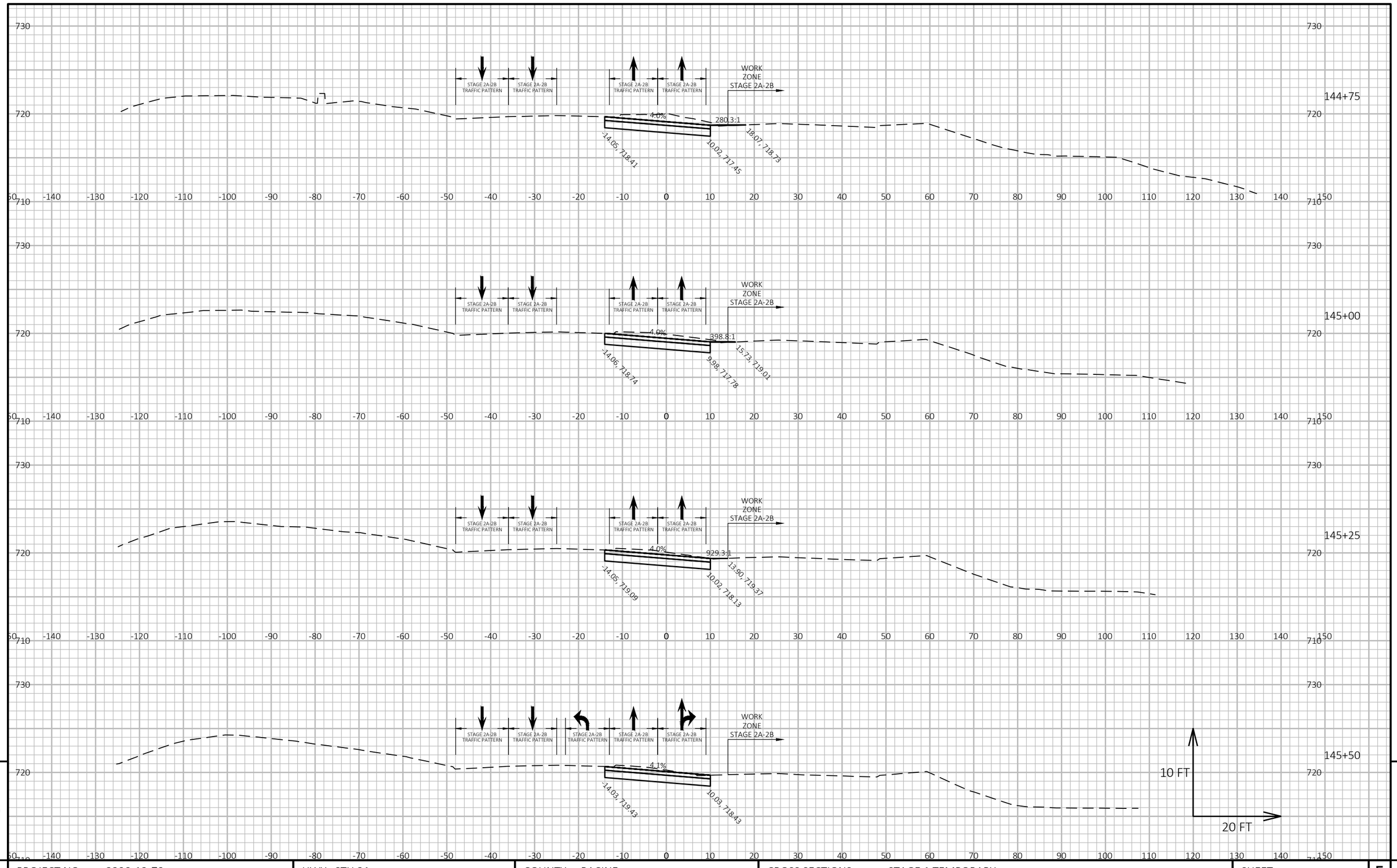
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 21

PLOT DATE : 7/17/2025 3:52 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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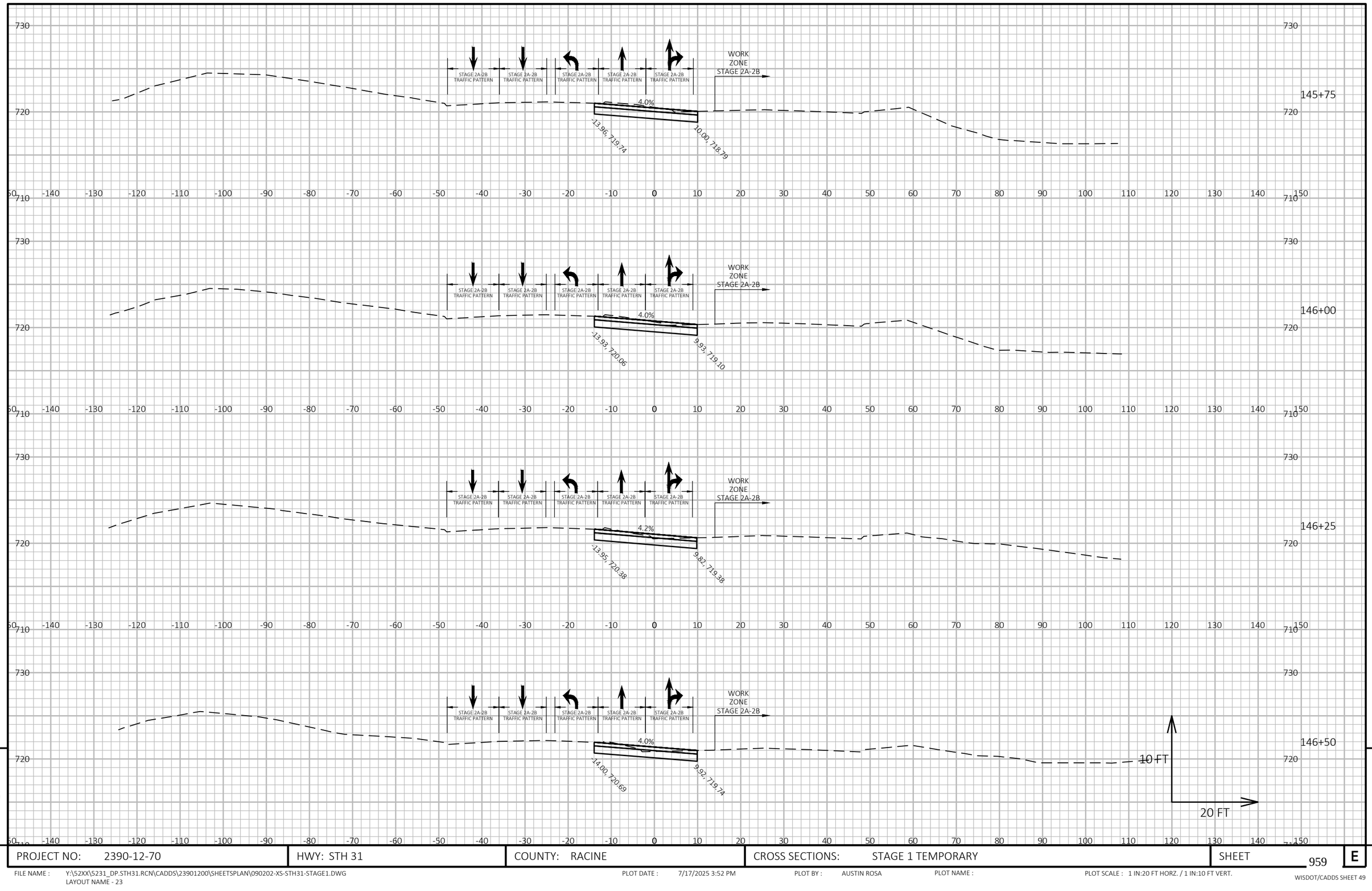
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 958	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 22

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 959	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 23

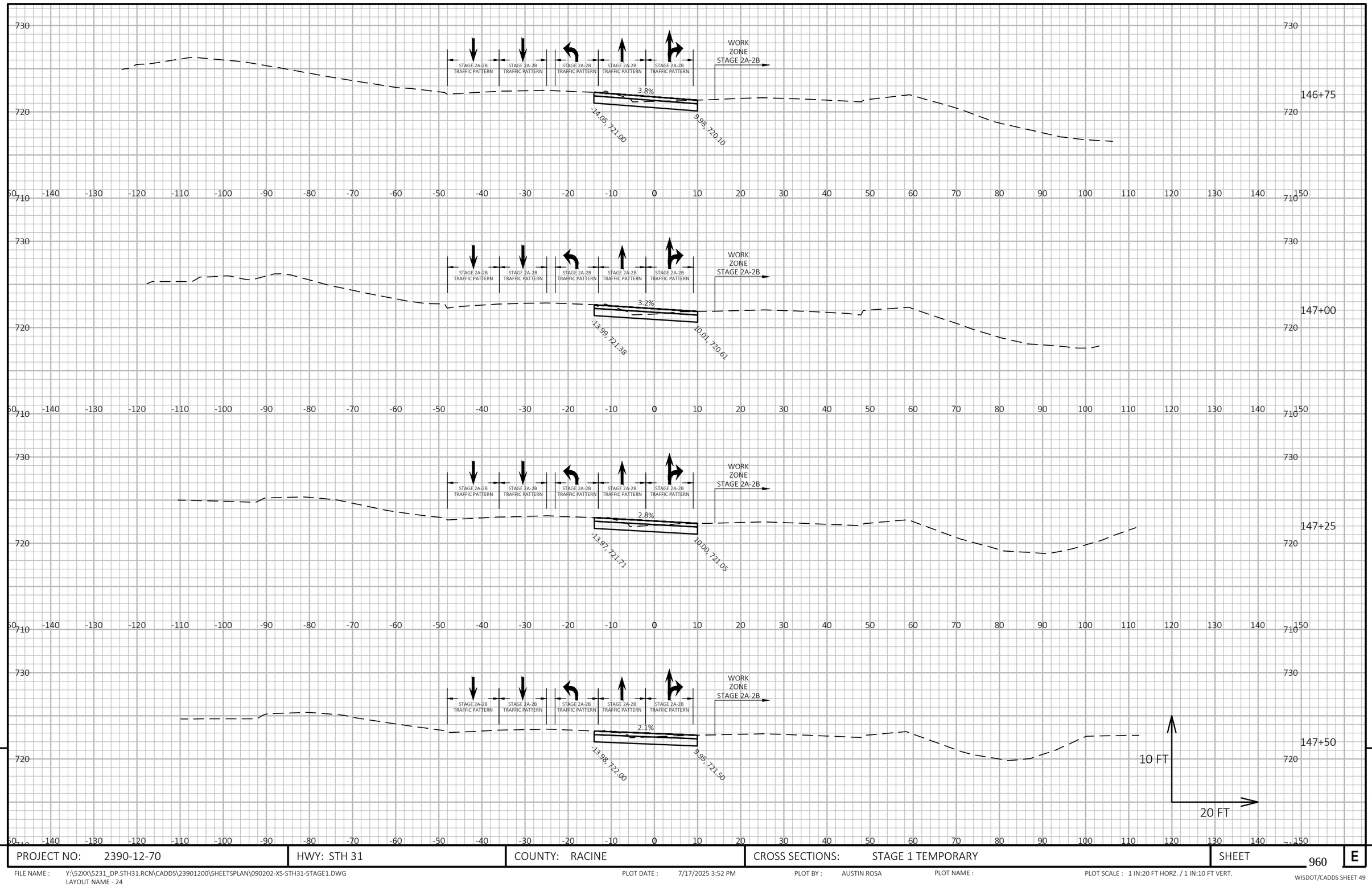
PLOT DATE : 7/17/2025 3:52 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 960	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 24

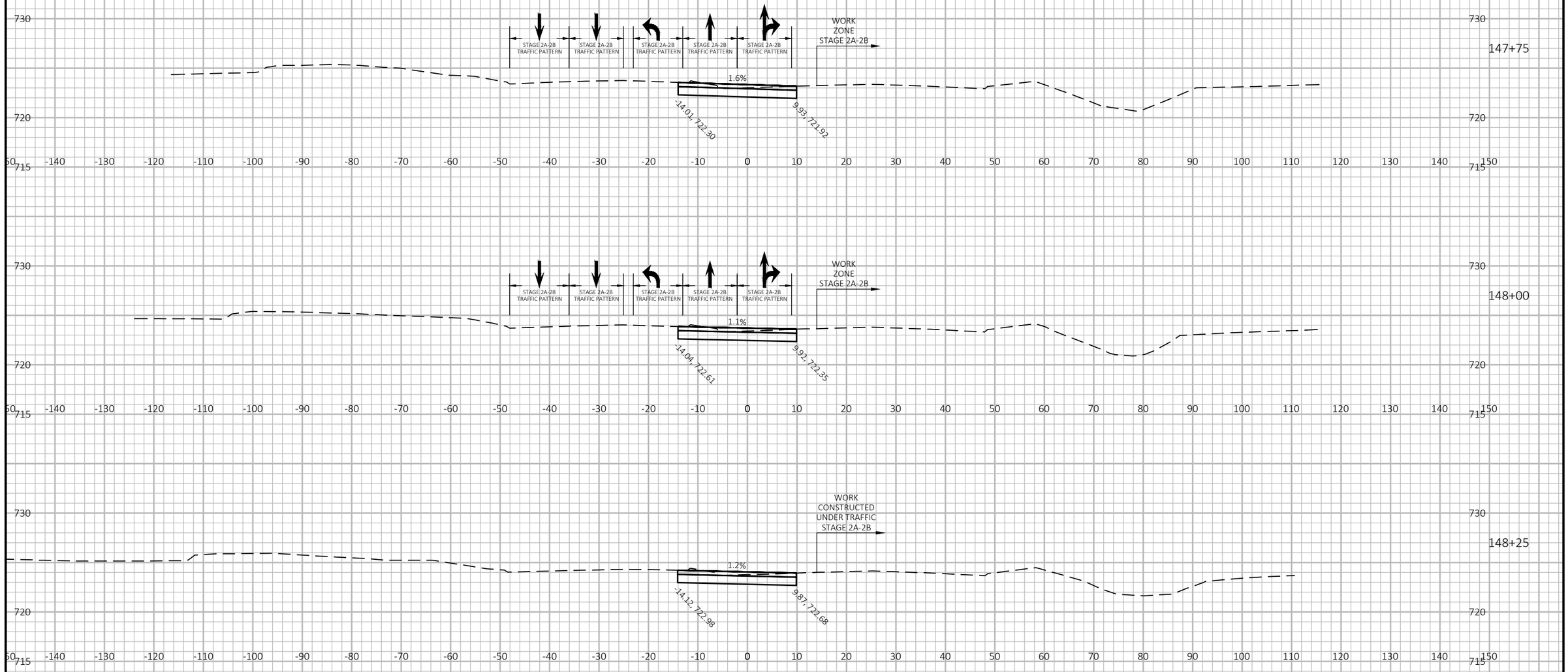
PLOT DATE : 7/17/2025 3:52 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



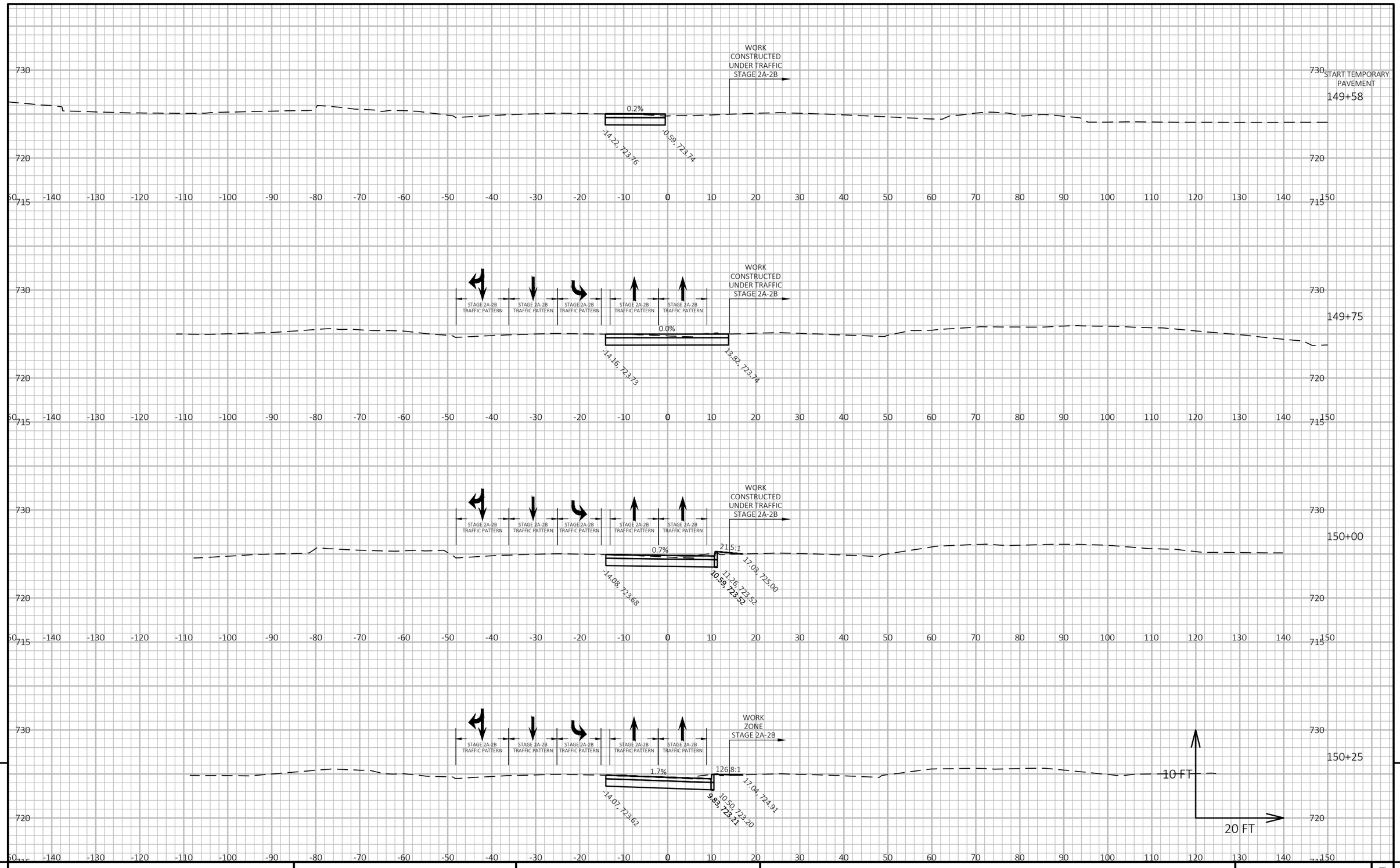
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 961	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 25

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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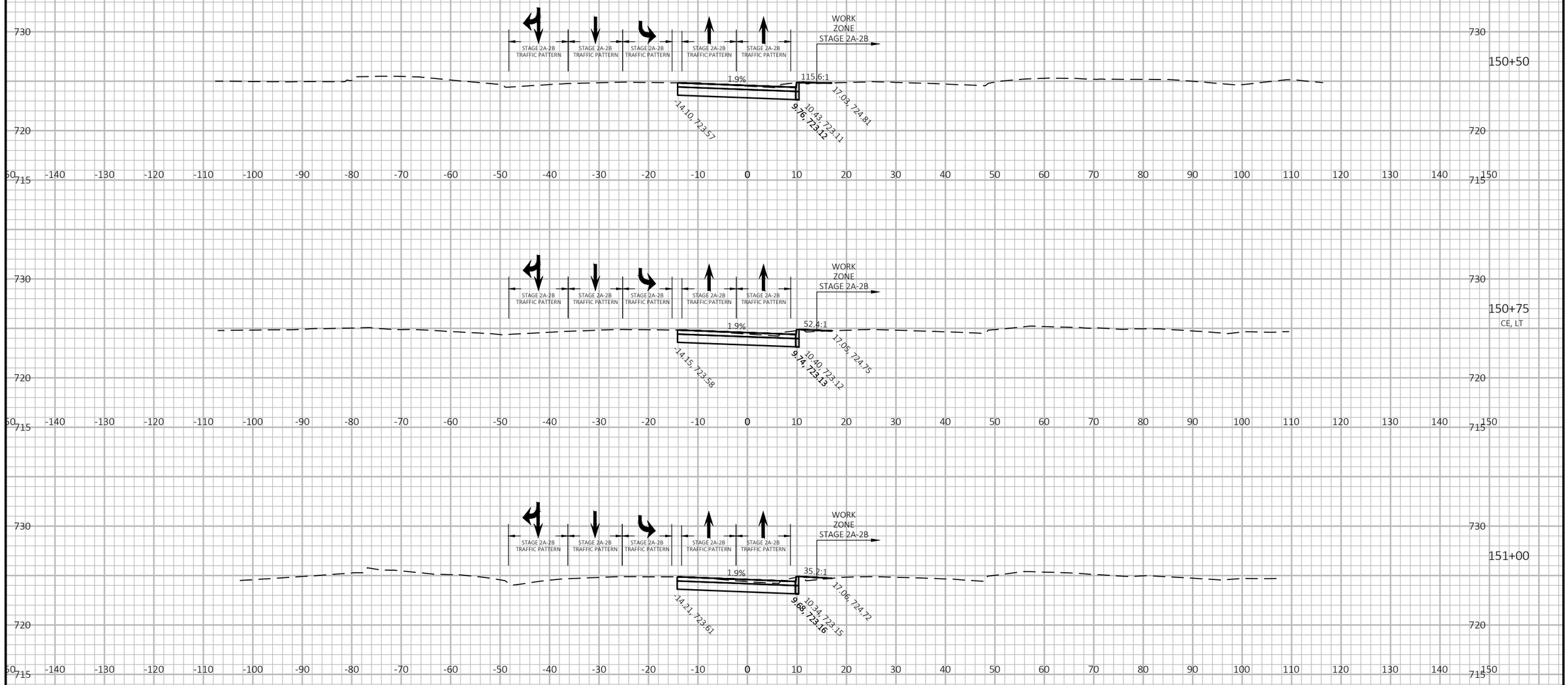
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 962	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 26

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 963	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 27

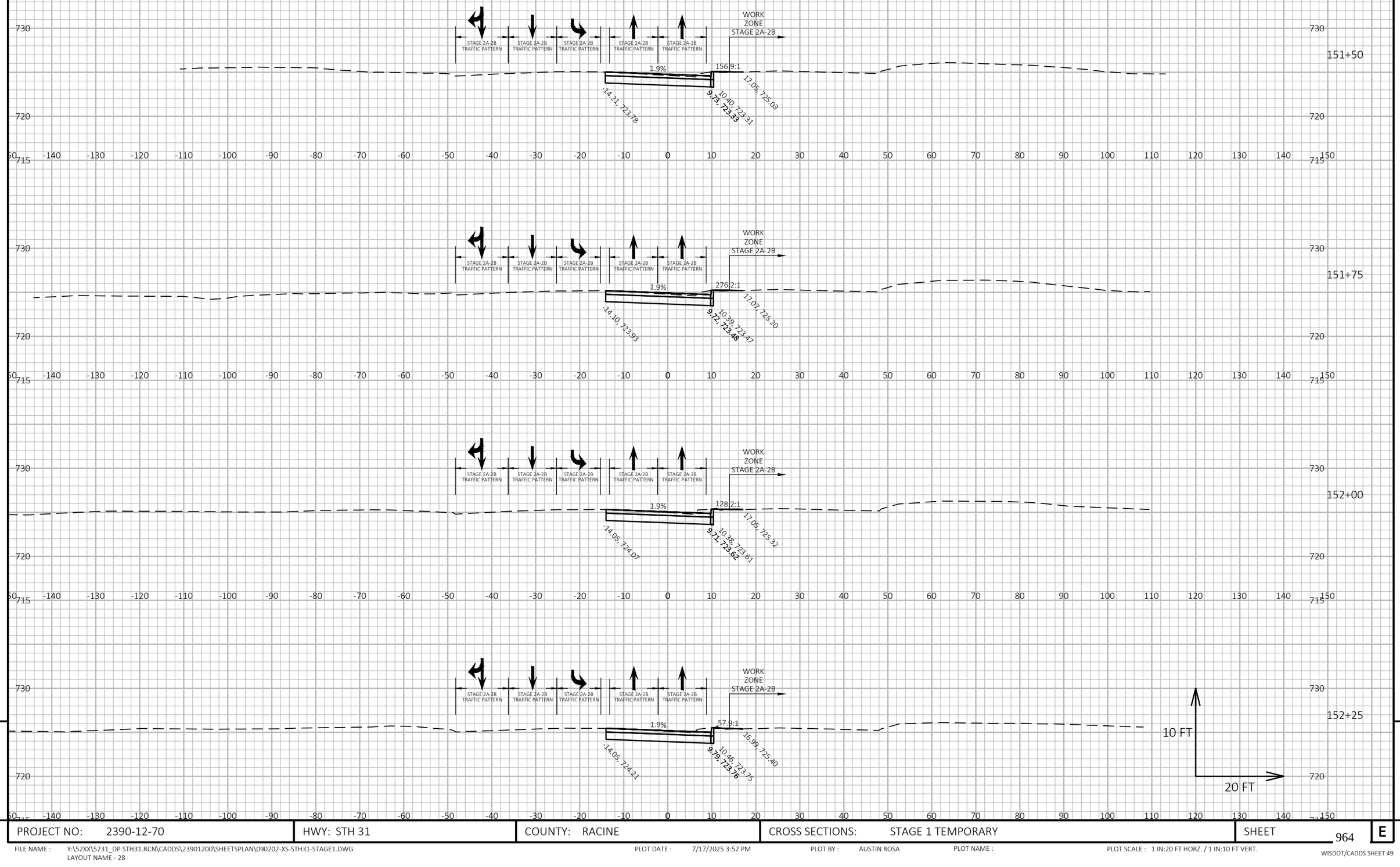
PLOT DATE : 7/17/2025 3:52 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

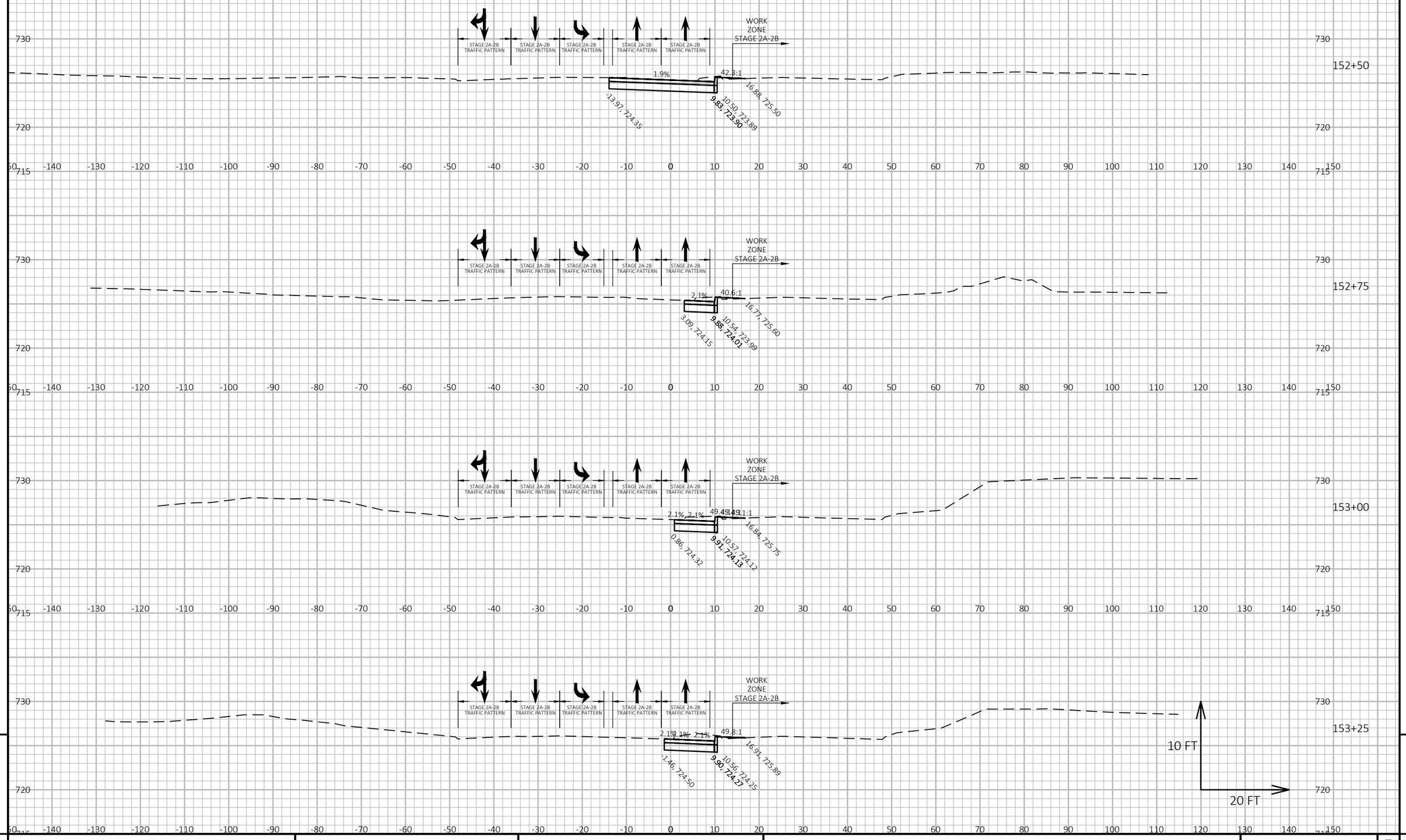
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 964	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 28

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

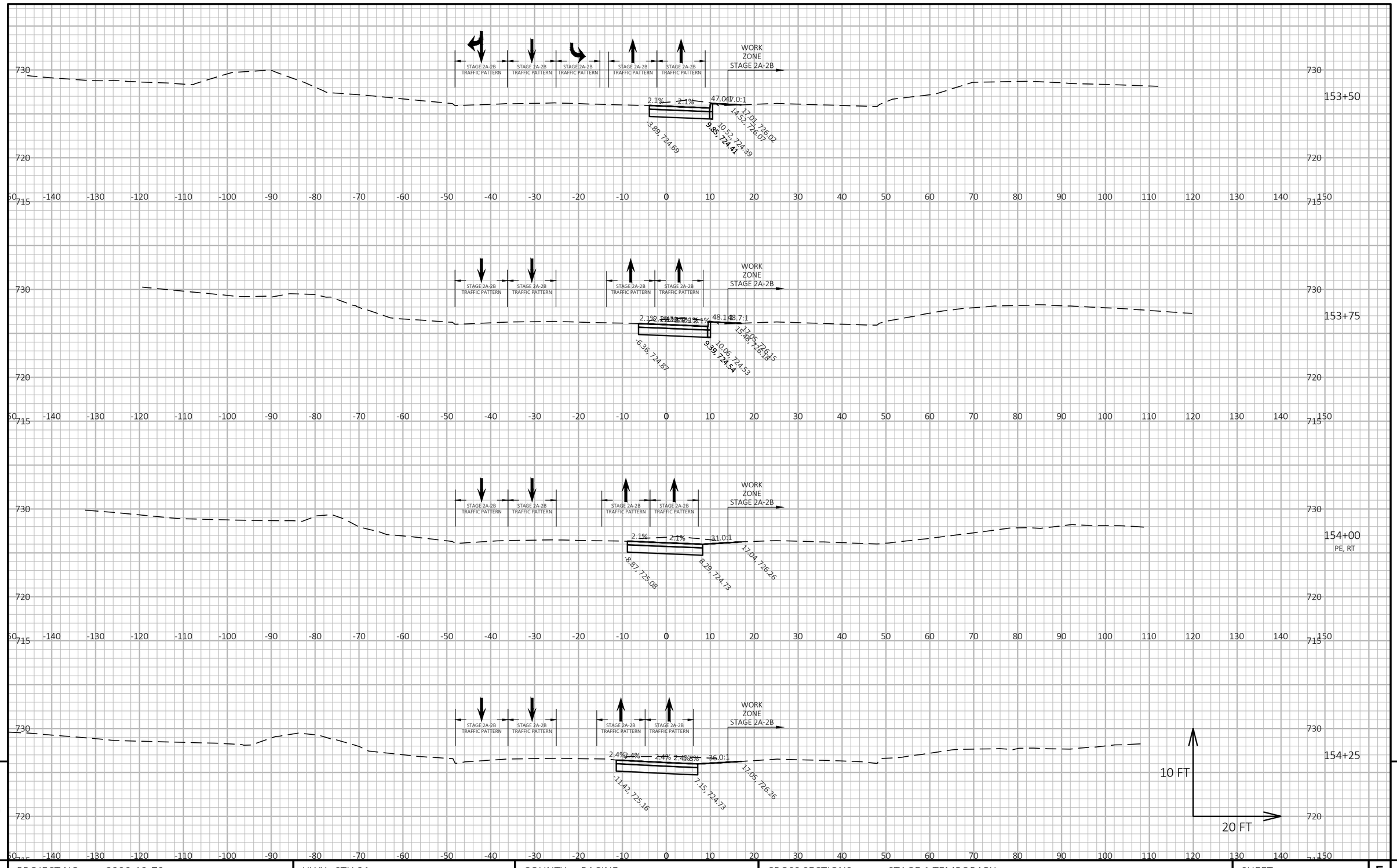
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 965	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 29

PLOT DATE : 7/17/2025 3:52 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 966	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 30

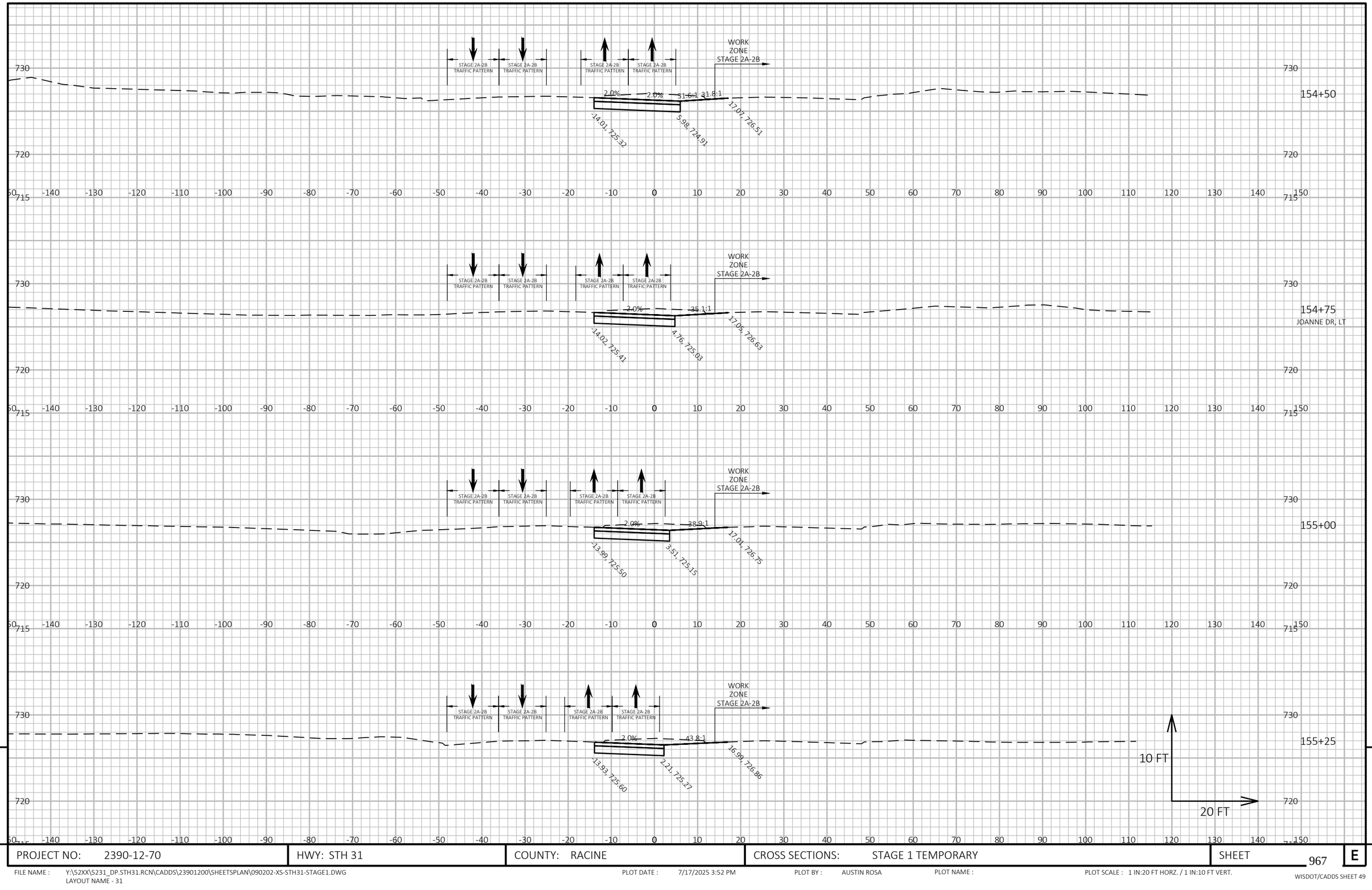
PLOT DATE : 7/17/2025 3:52 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 967	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 31

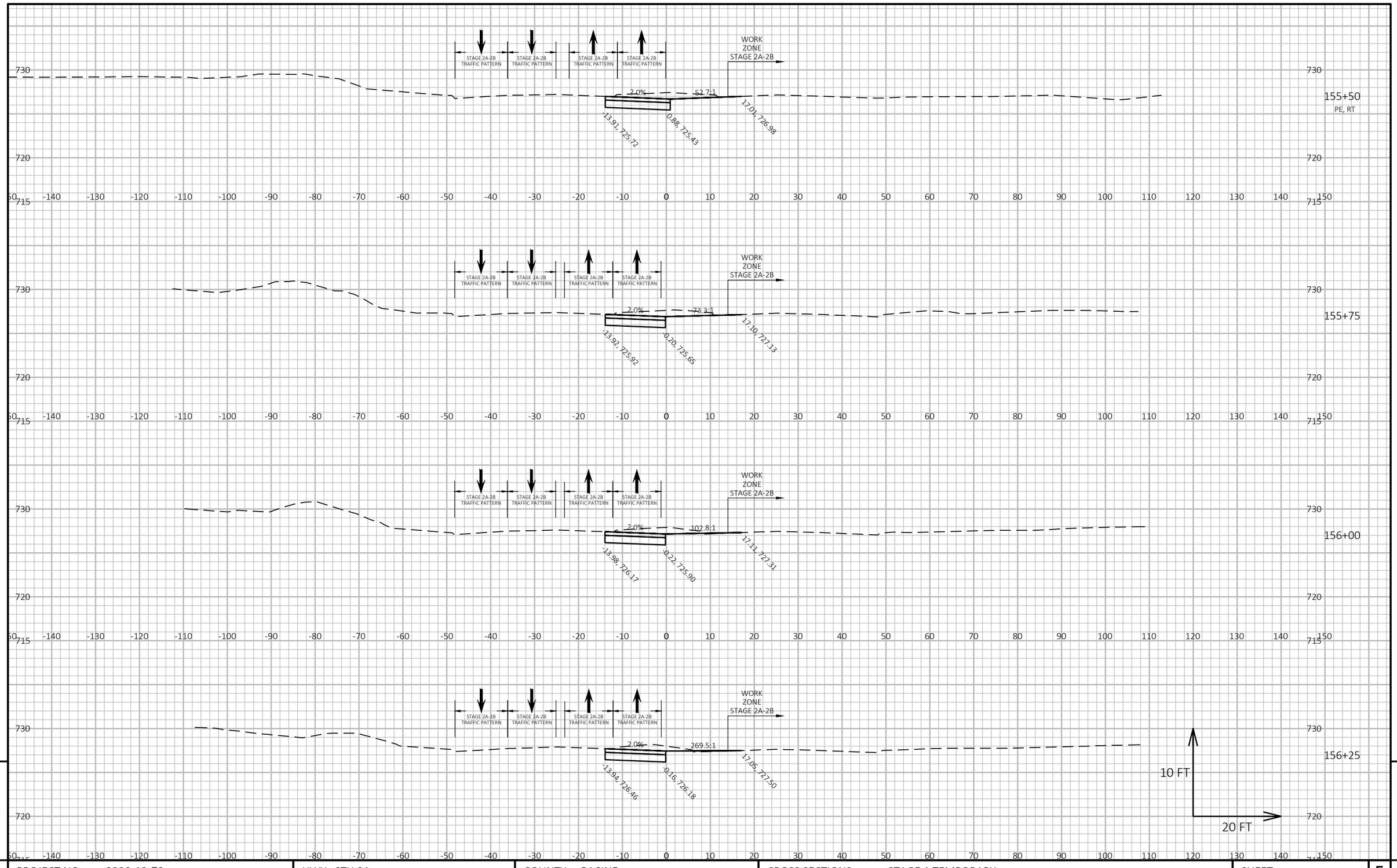
PLOT DATE : 7/17/2025 3:52 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 968	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 32

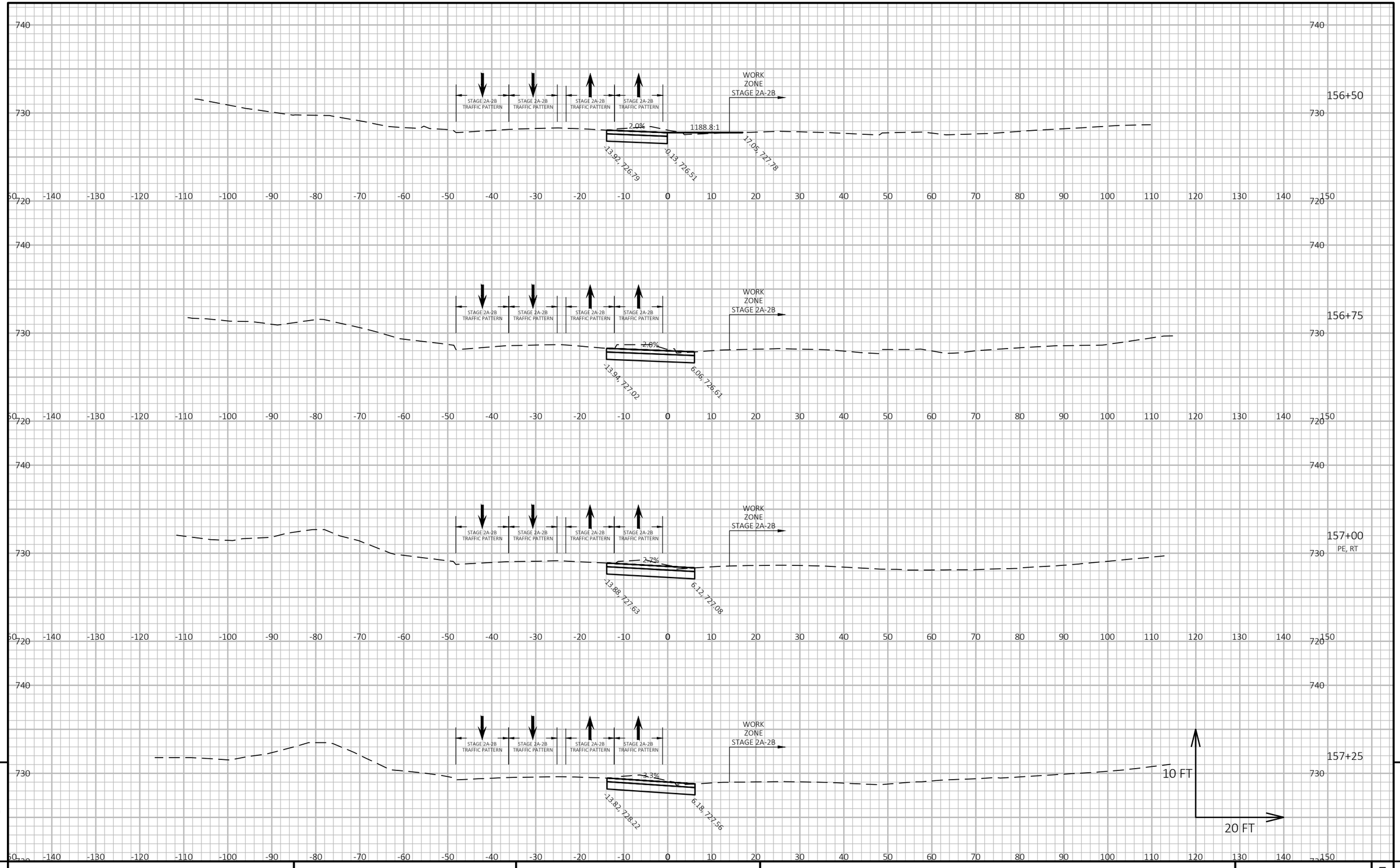
PLOT DATE : 7/17/2025 3:53 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 969	E

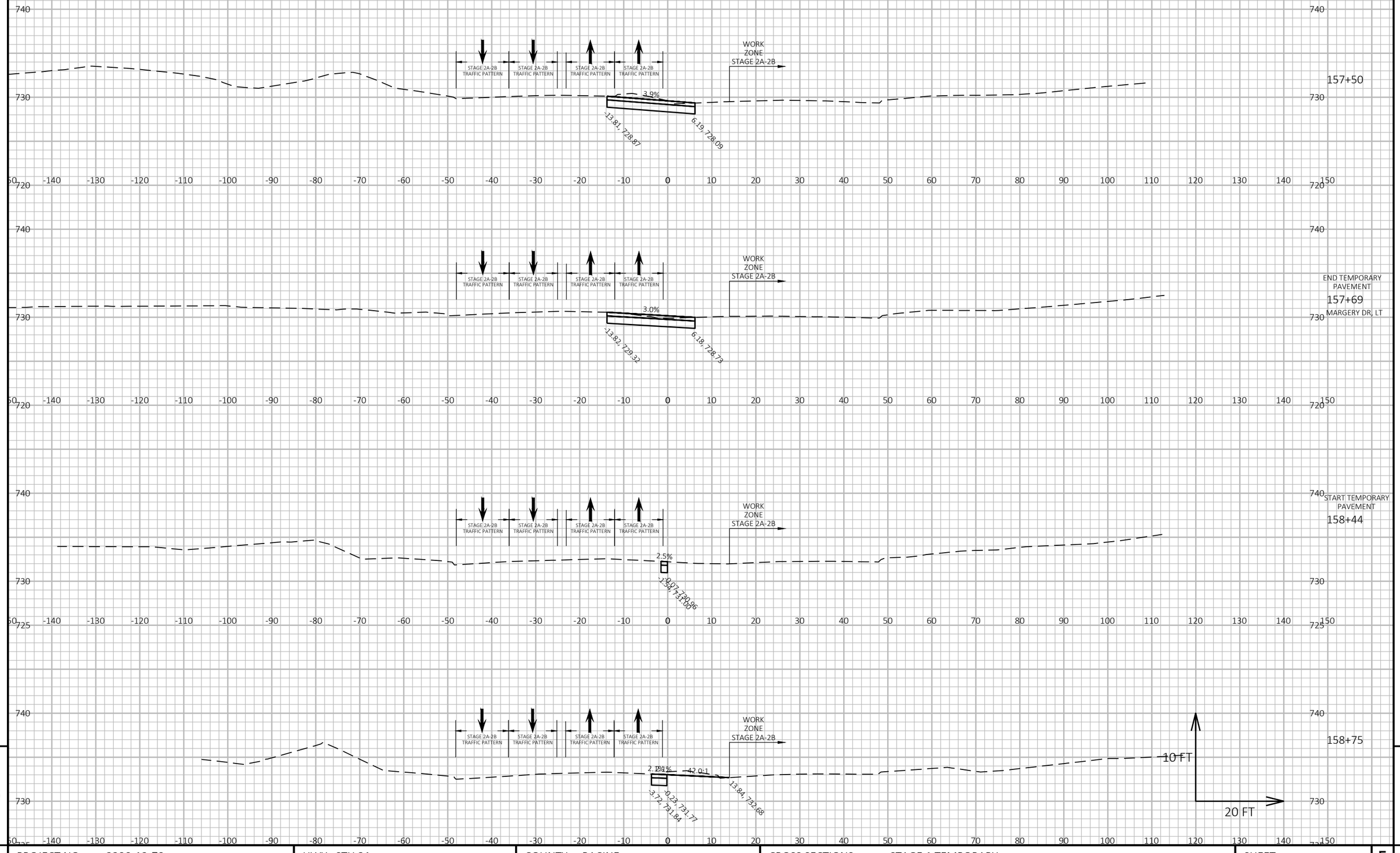
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 33

PLOT DATE : 7/17/2025 3:53 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



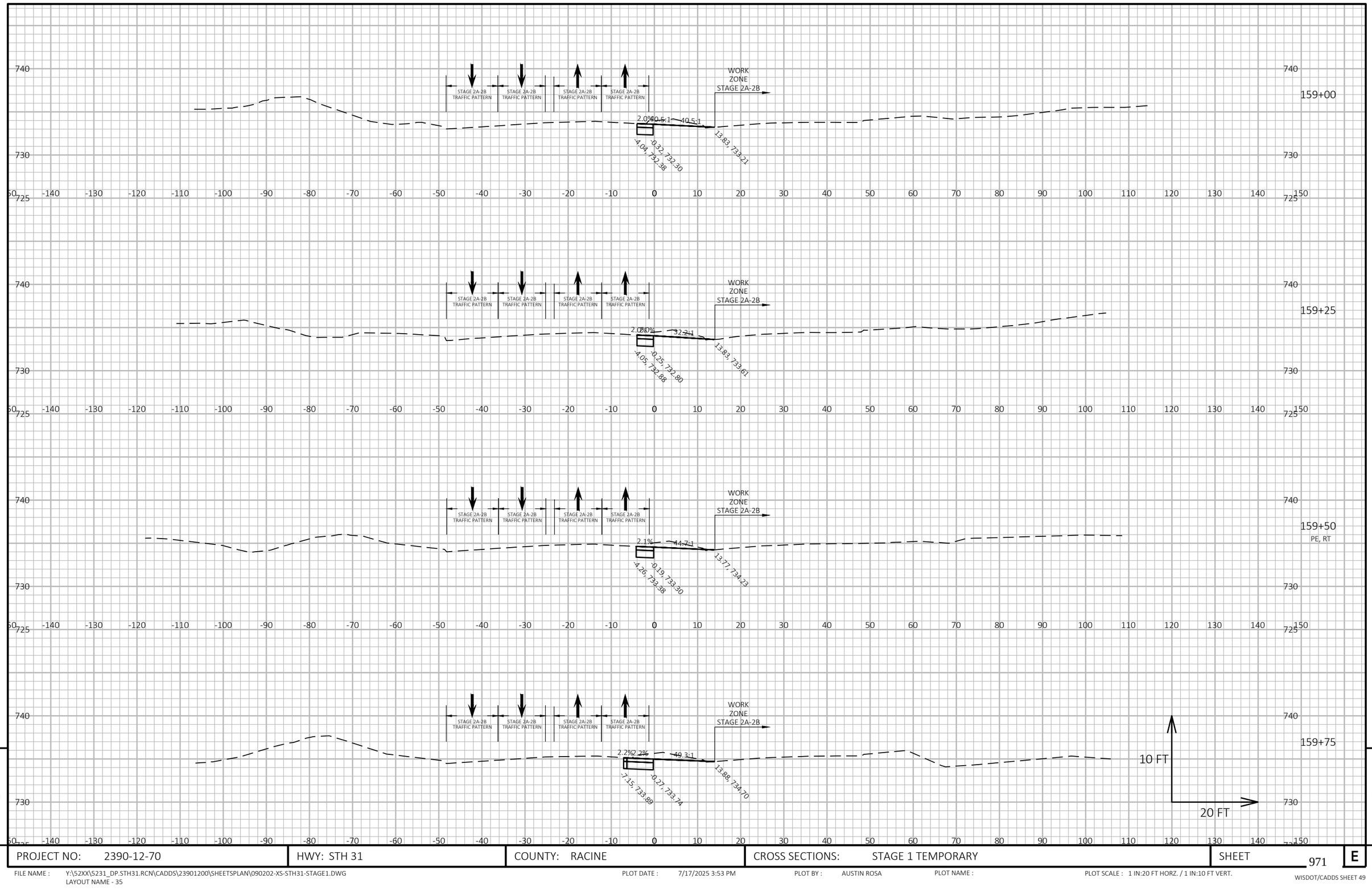
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 970	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 34

PLOT DATE : 7/17/2025 3:53 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 971	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 35

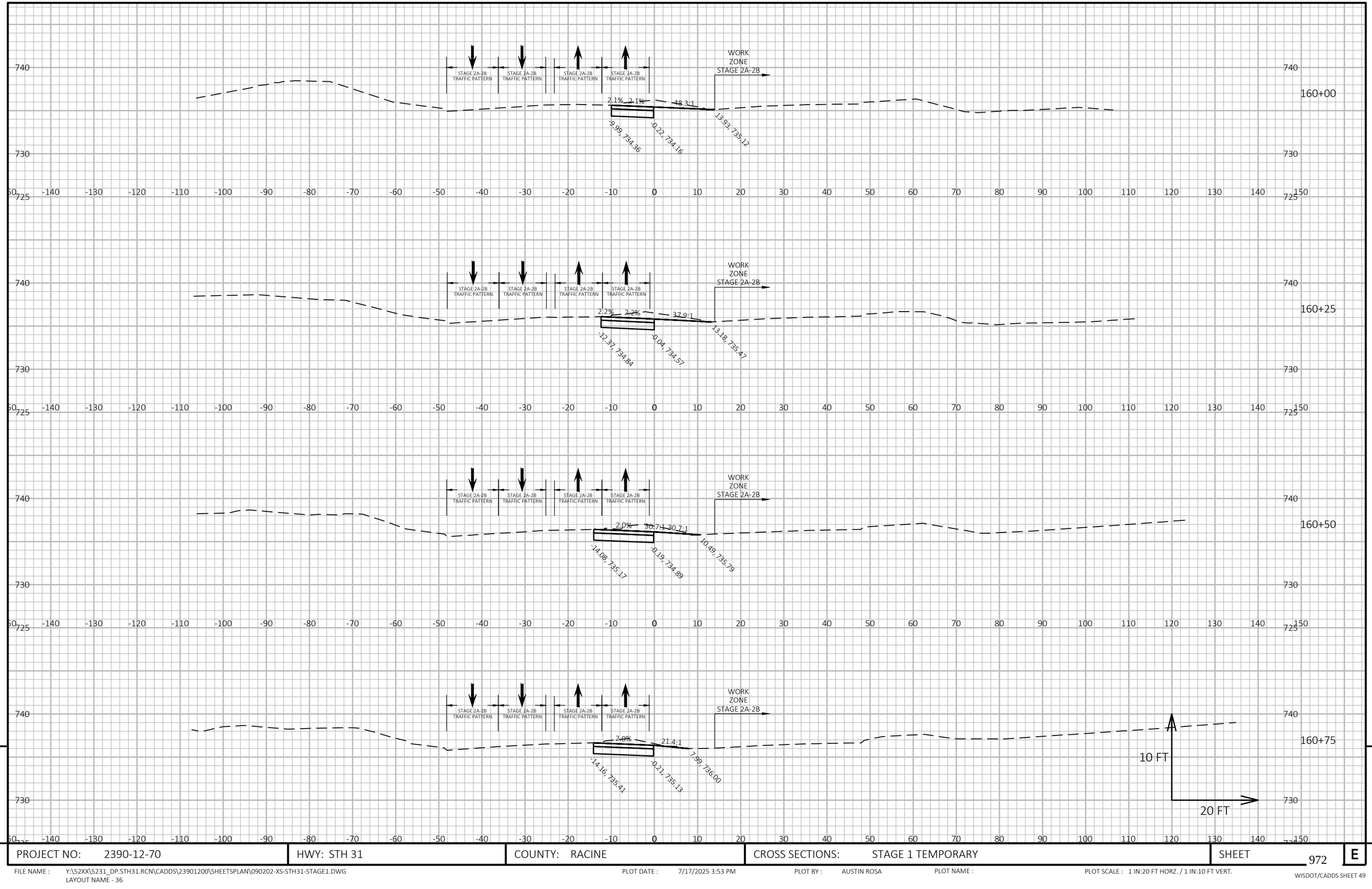
PLOT DATE : 7/17/2025 3:53 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 972	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 36

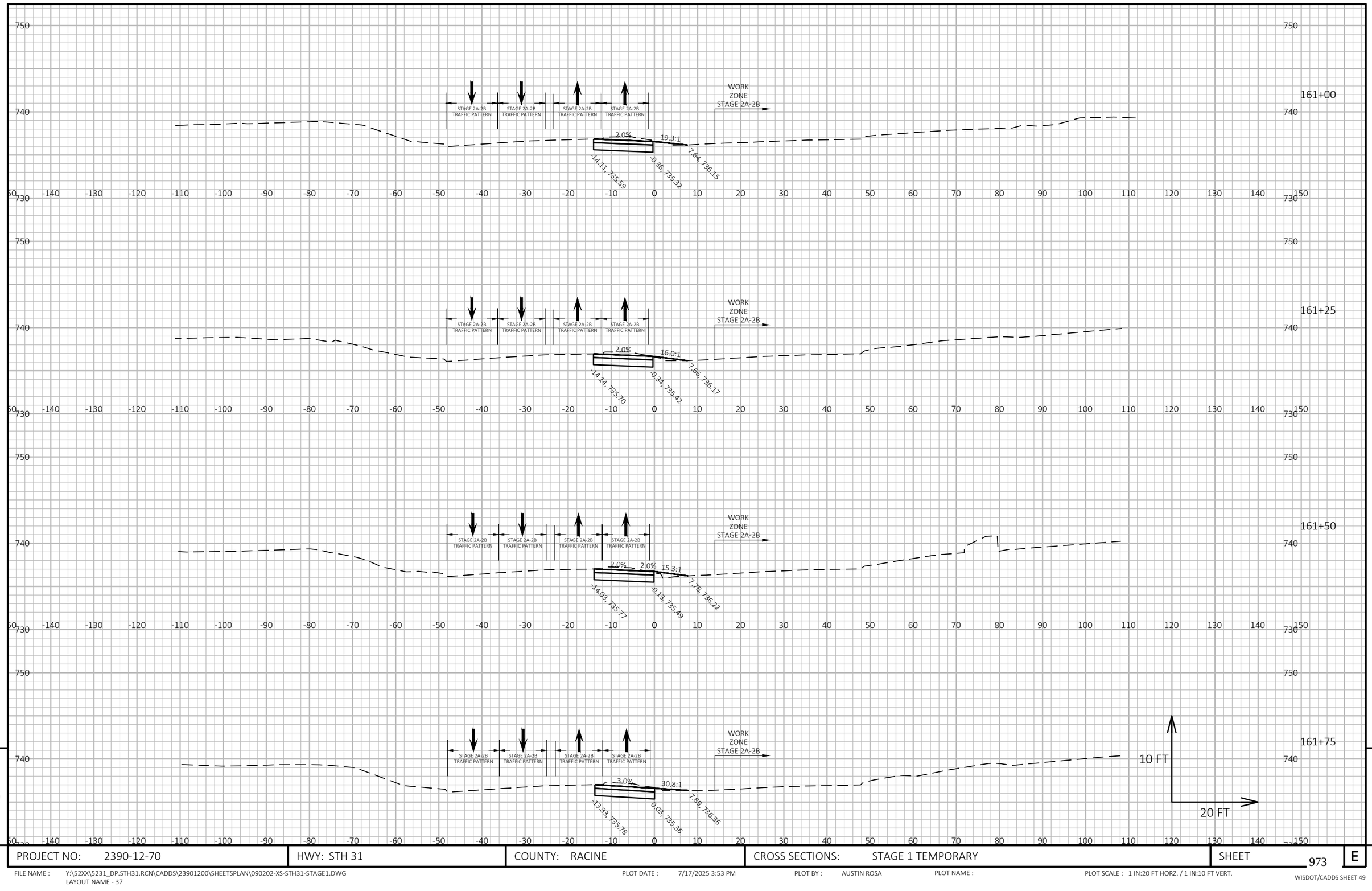
PLOT DATE : 7/17/2025 3:53 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 973	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 37

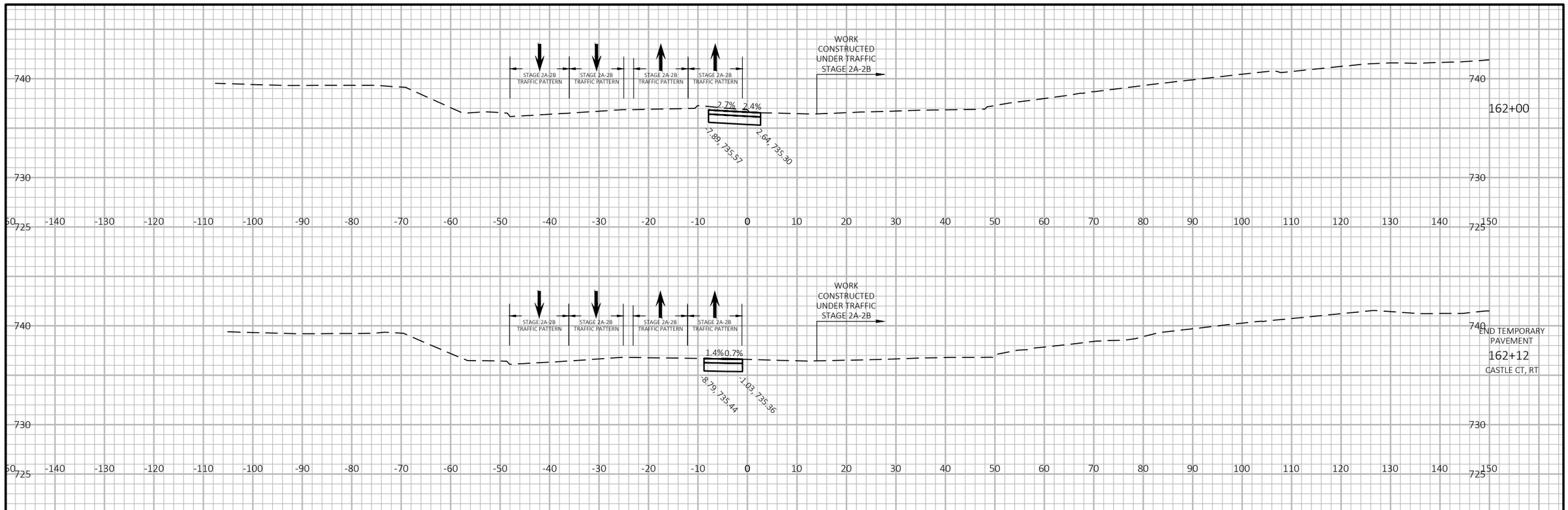
PLOT DATE : 7/17/2025 3:53 PM

PLOT BY : AUSTIN ROSA

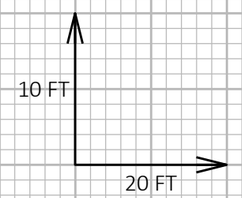
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



SEE CROSS SECTIONS: STAGE 1 TEMPORARY FOR CROSSOVER IN STAGE 4
STA 162+77 TO STA 166+62



9

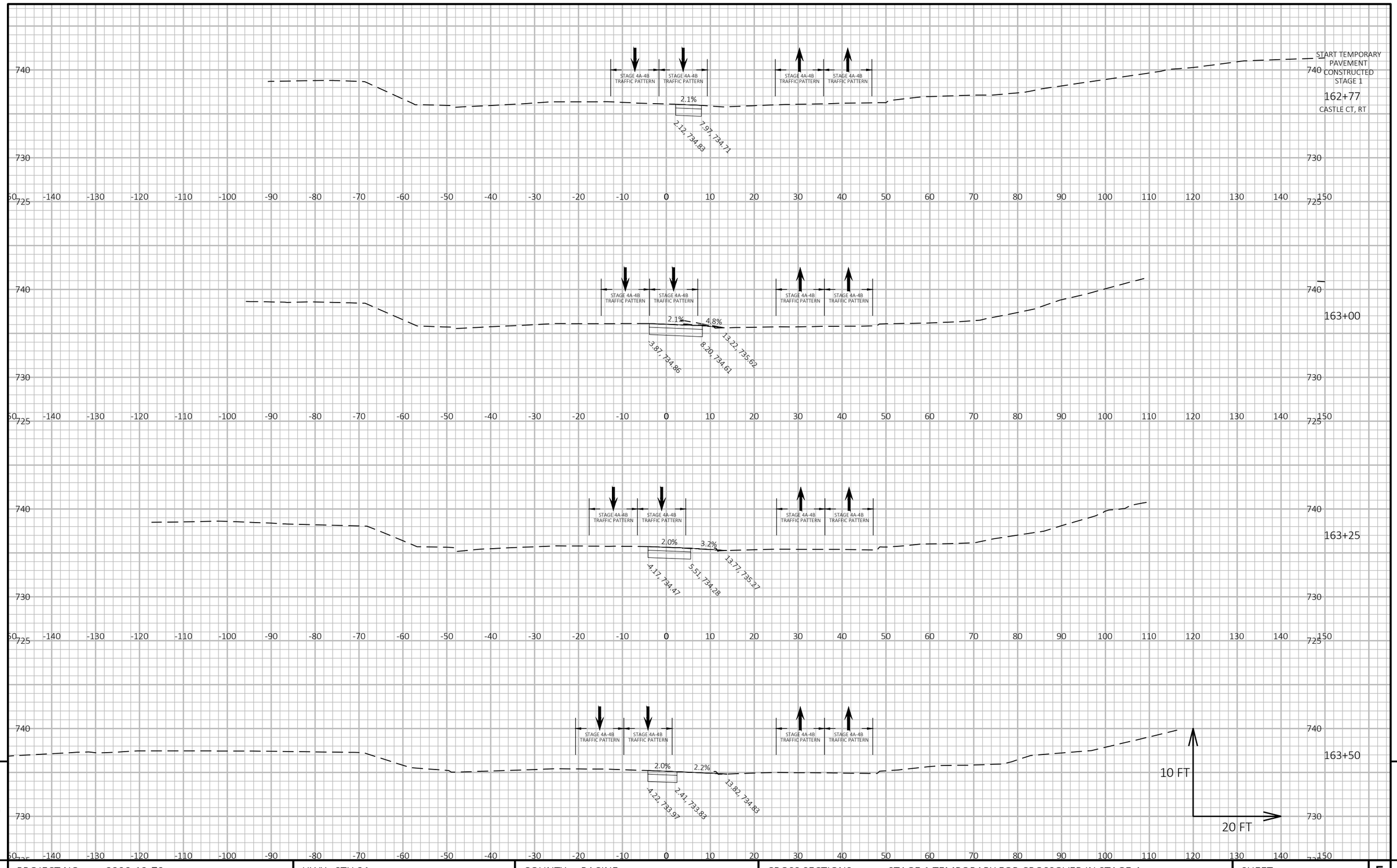
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY	SHEET 974	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE1.DWG
LAYOUT NAME - 38

PLOT DATE : 7/17/2025 3:53 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



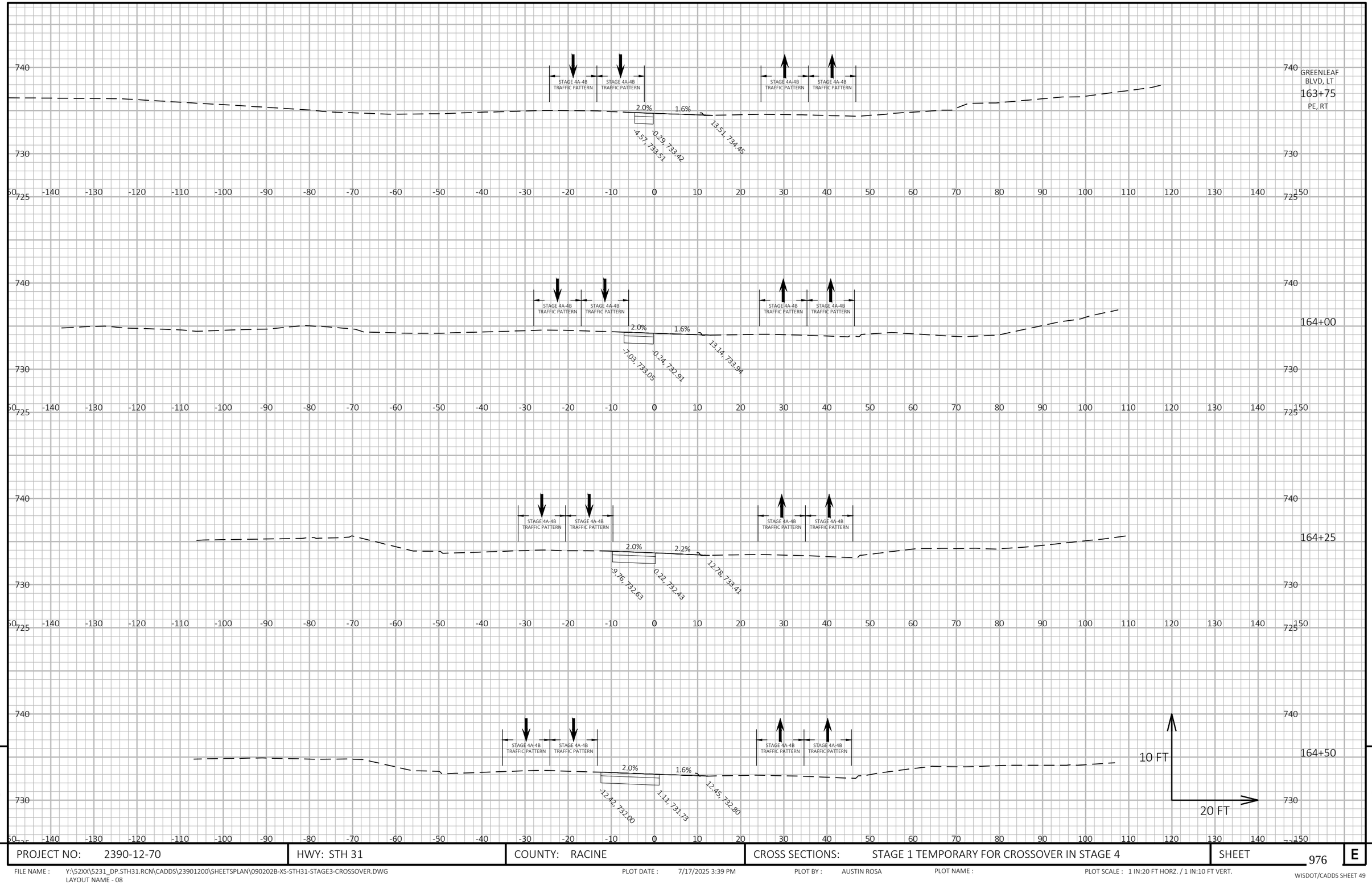
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 975	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 07

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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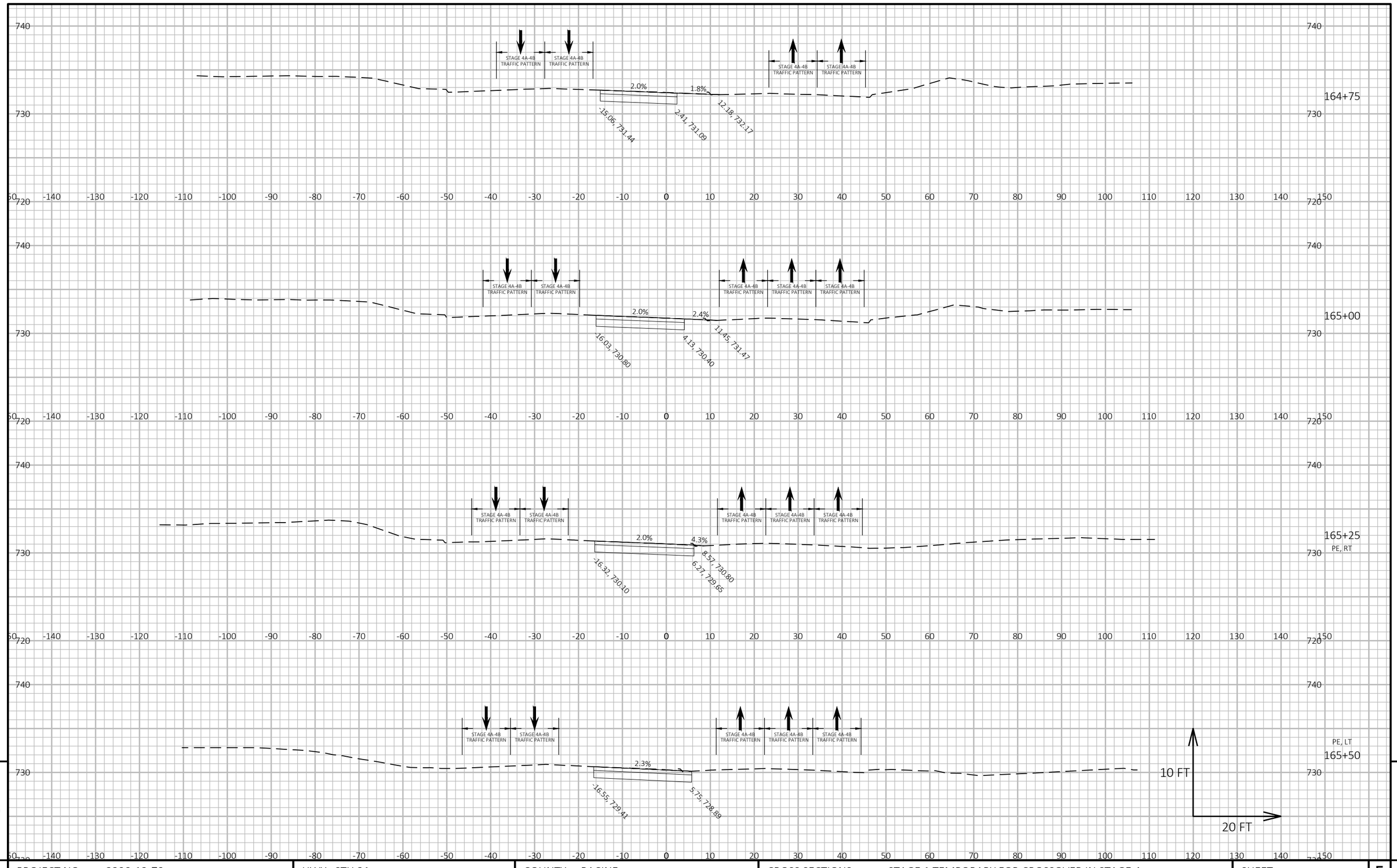
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 976	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 08

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



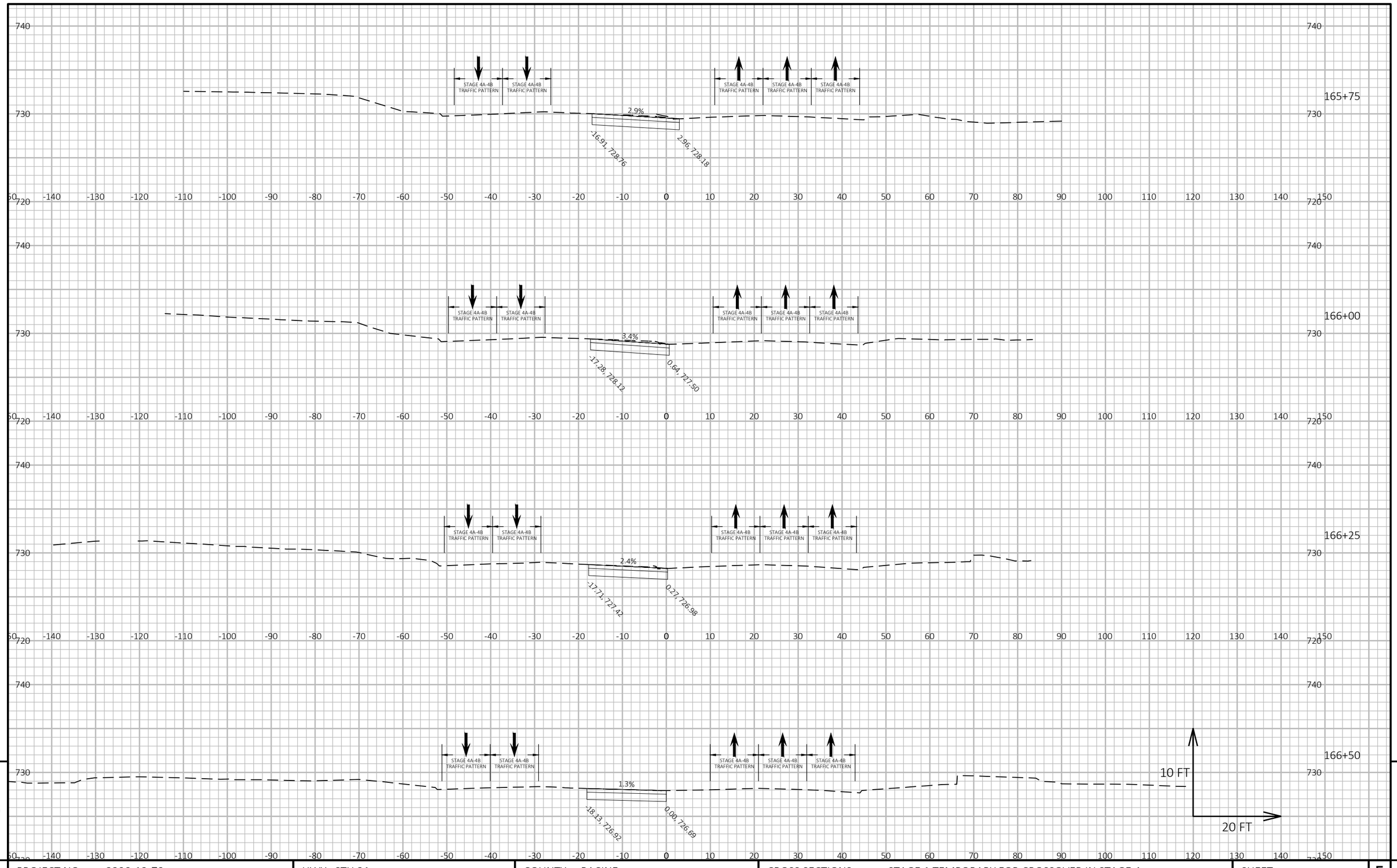
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 977	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 09

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



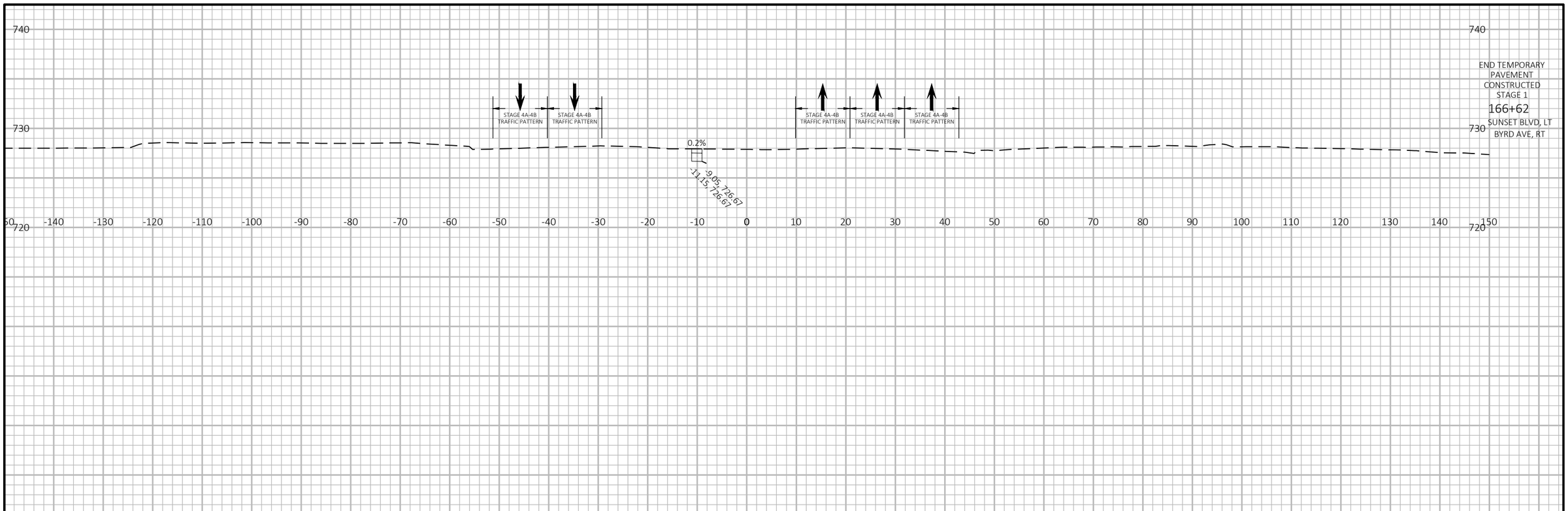
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 978	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 10

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



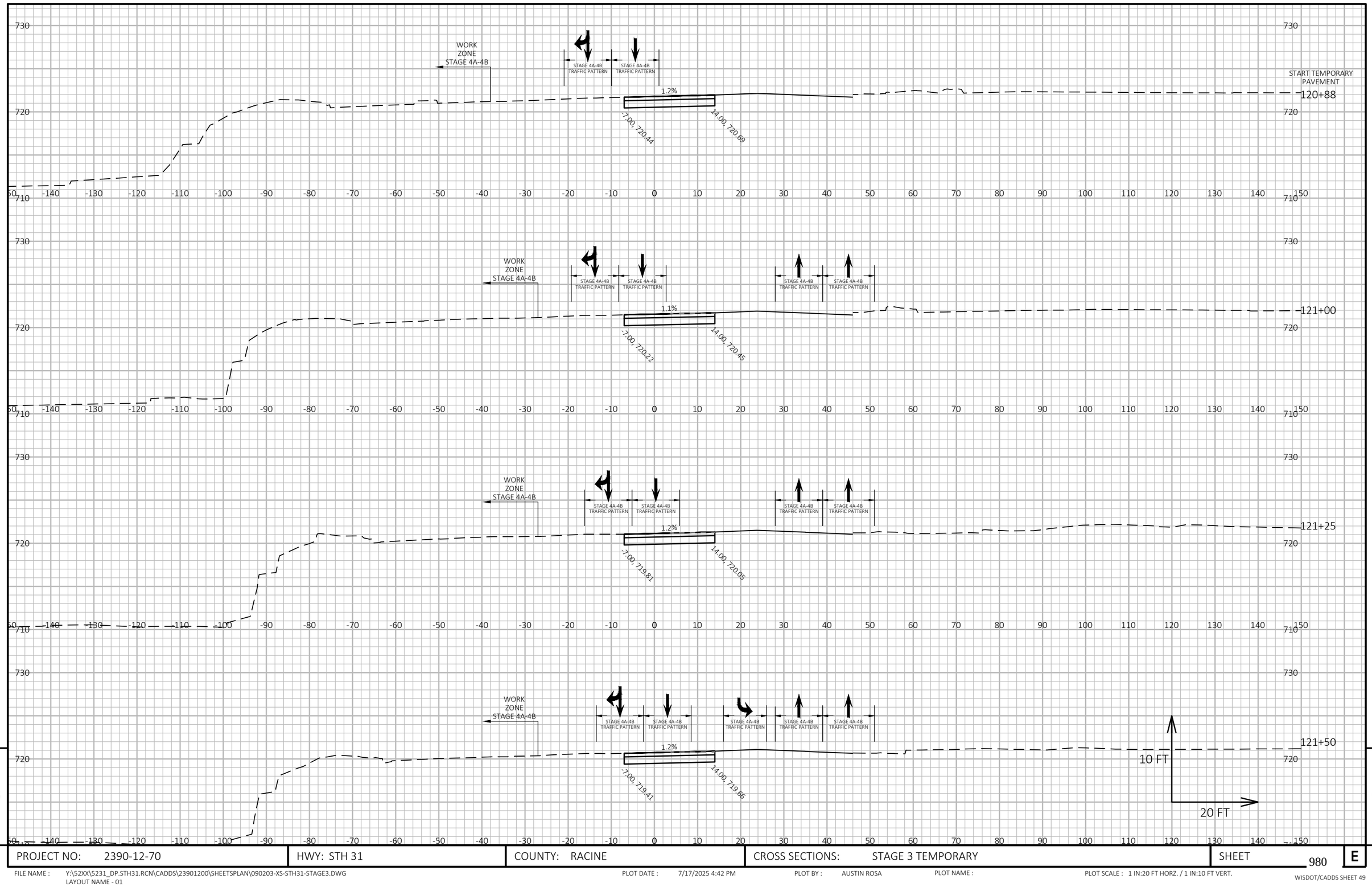
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 1 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 979	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 11

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 980	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 01

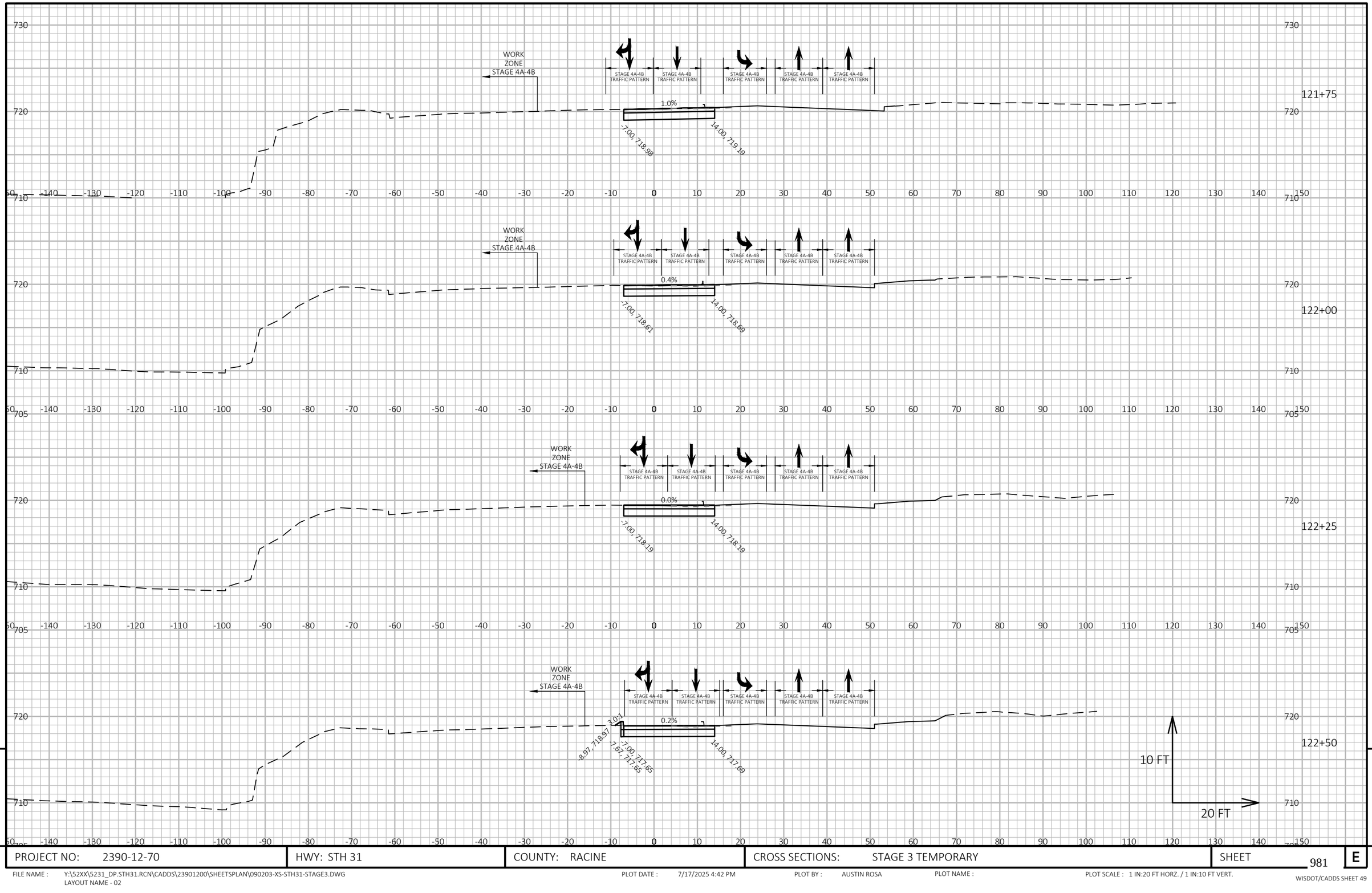
PLOT DATE : 7/17/2025 4:42 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



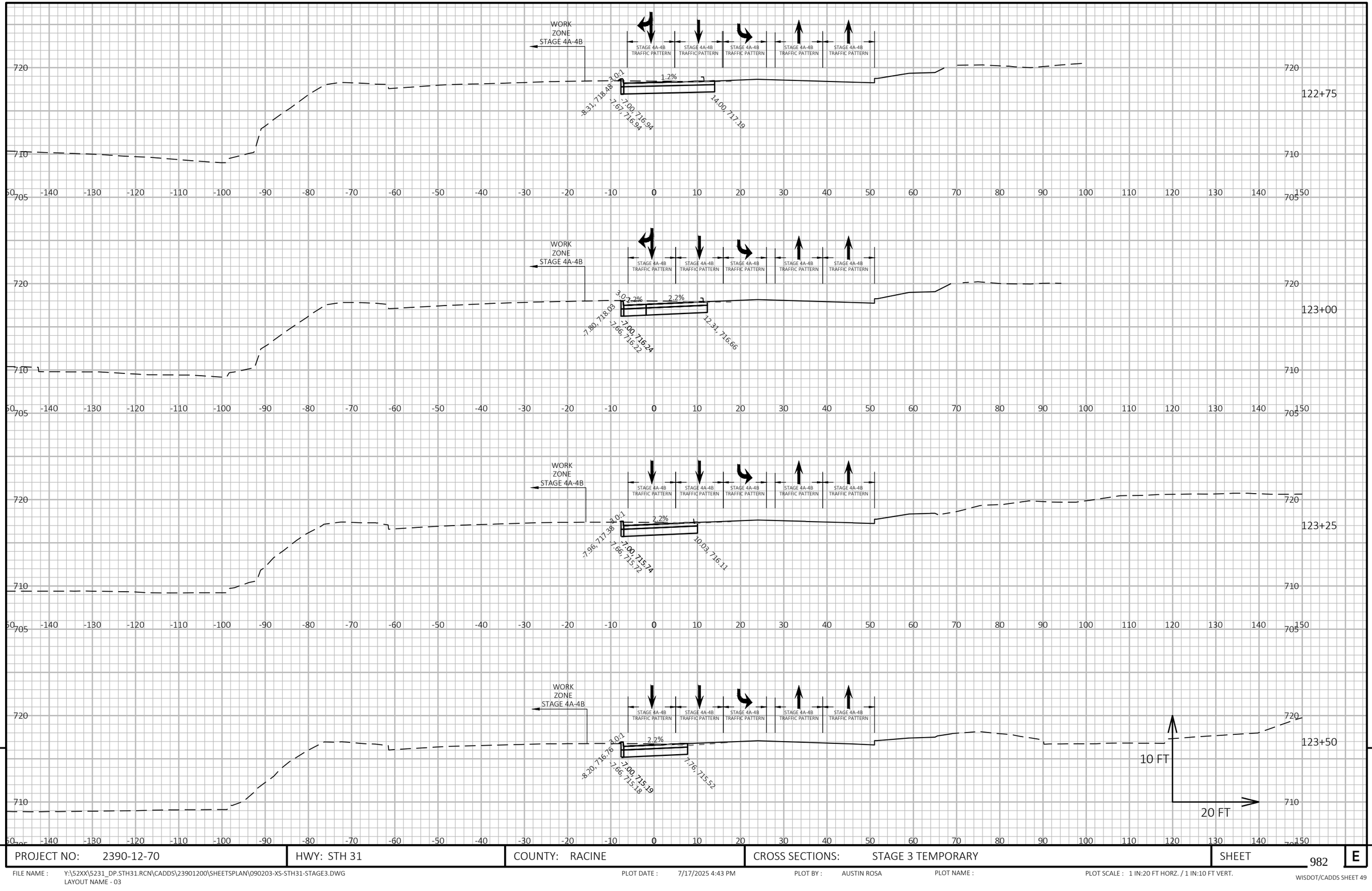
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 981	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 02

PLOT DATE : 7/17/2025 4:42 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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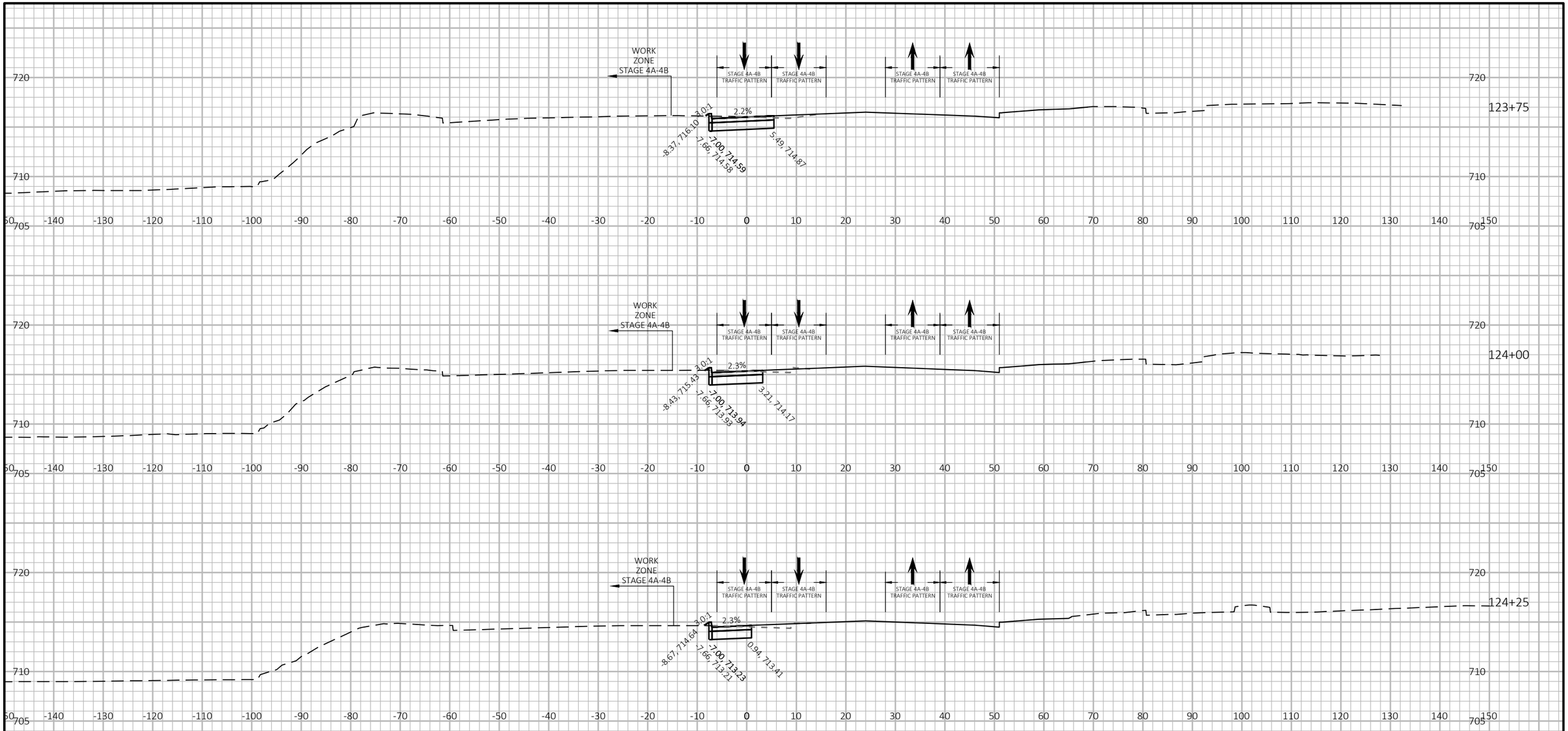
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 982	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 03

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

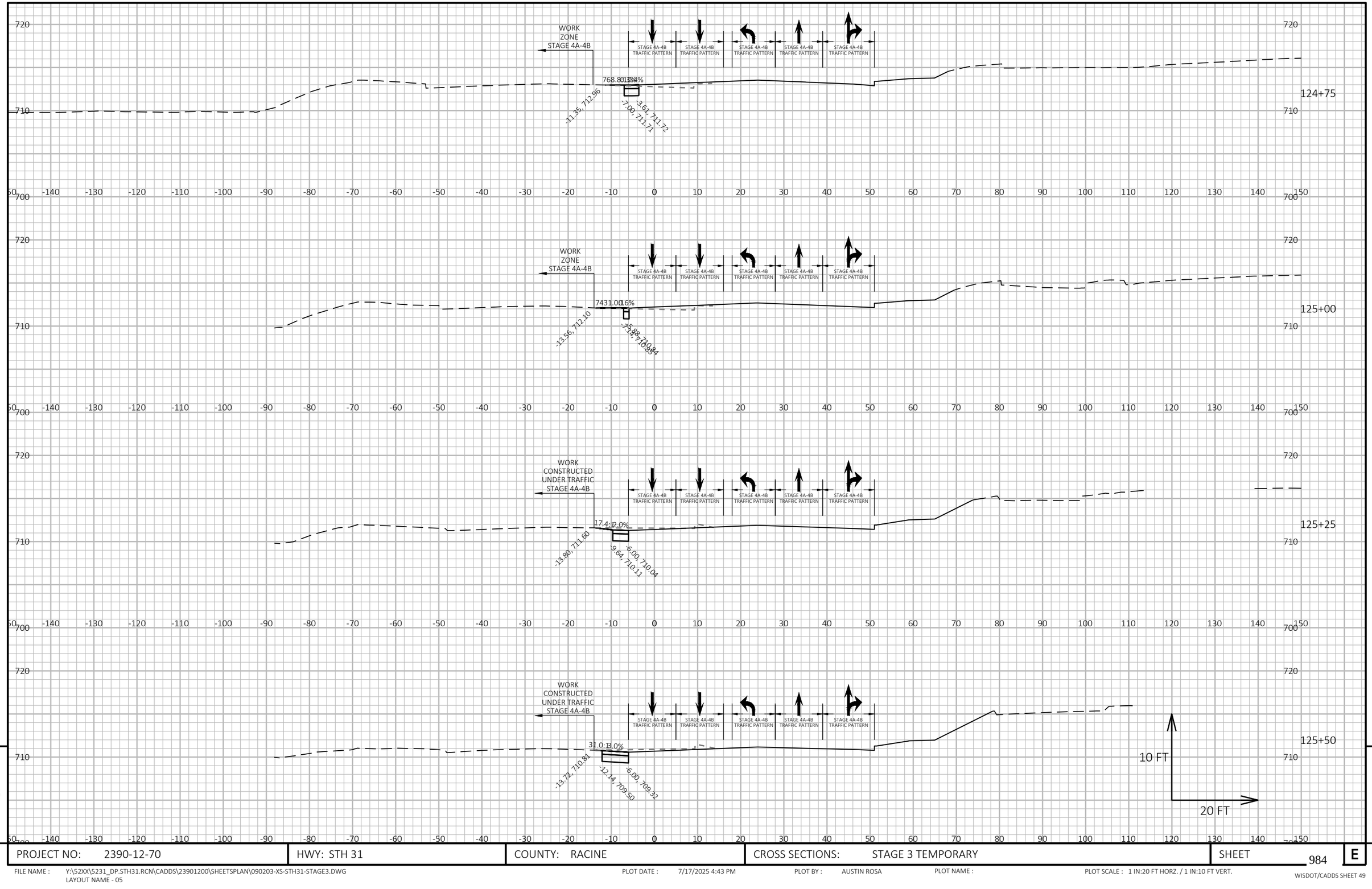
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 983	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 04

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



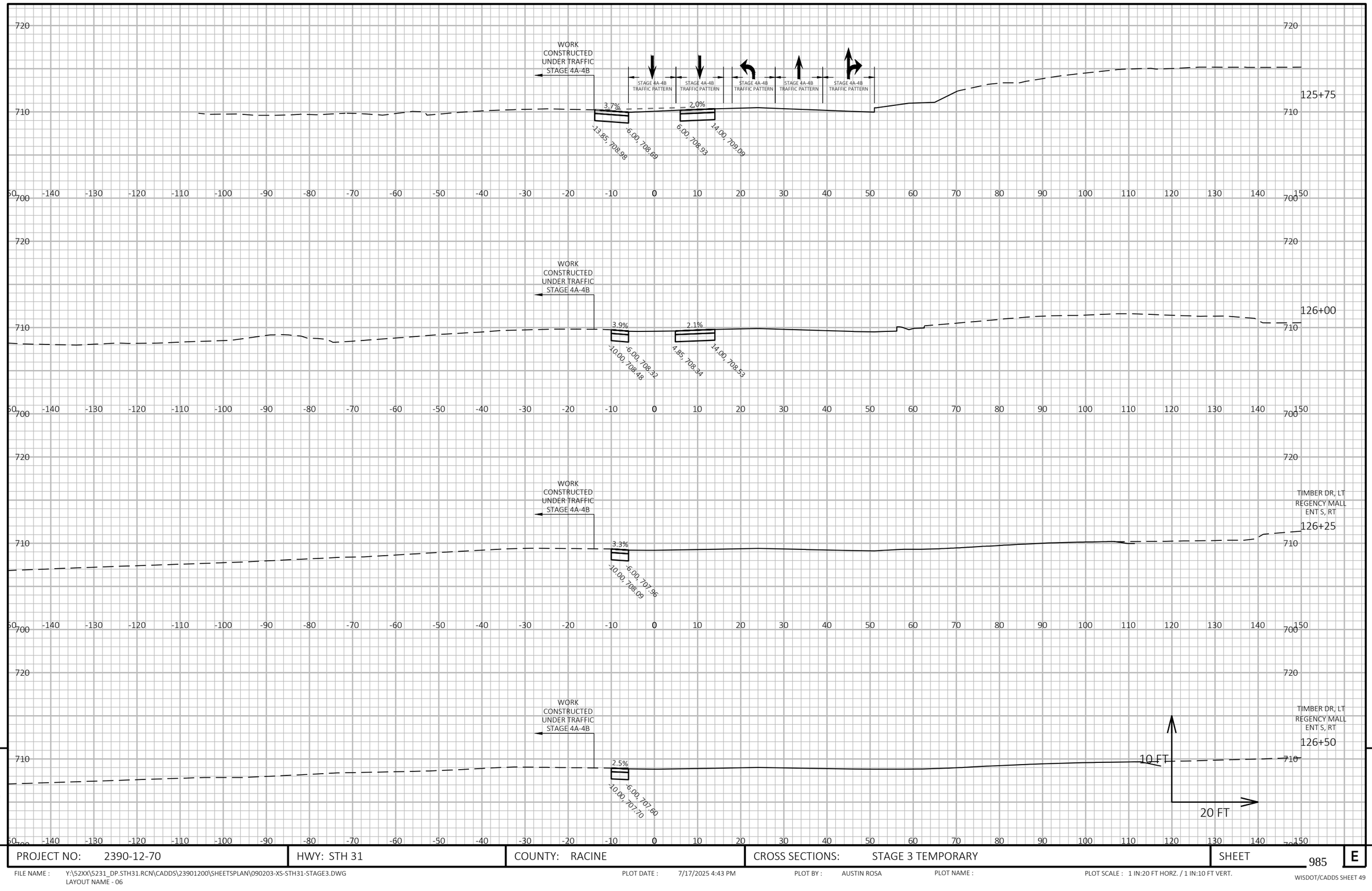
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 984	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 05

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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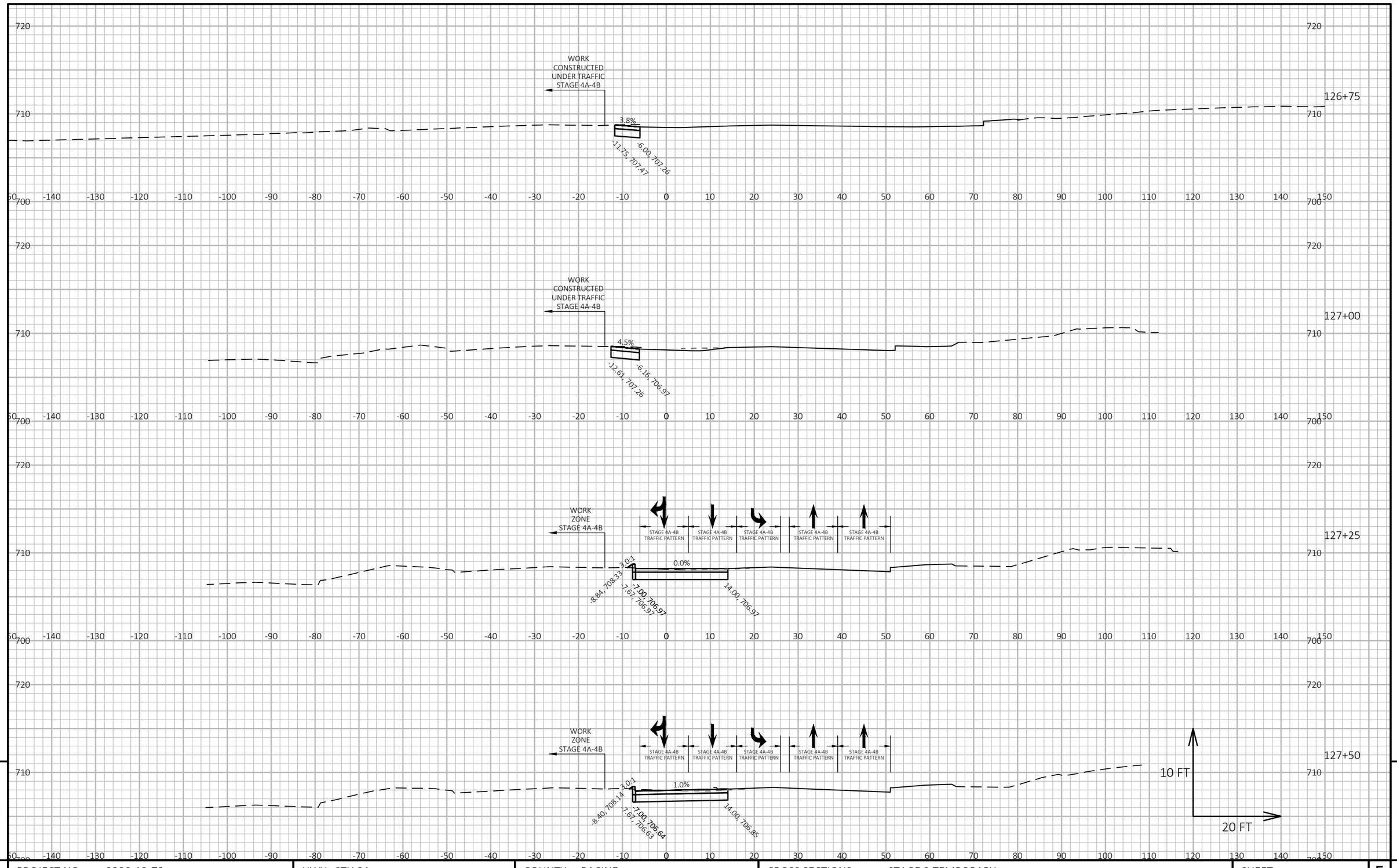
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 985	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 06

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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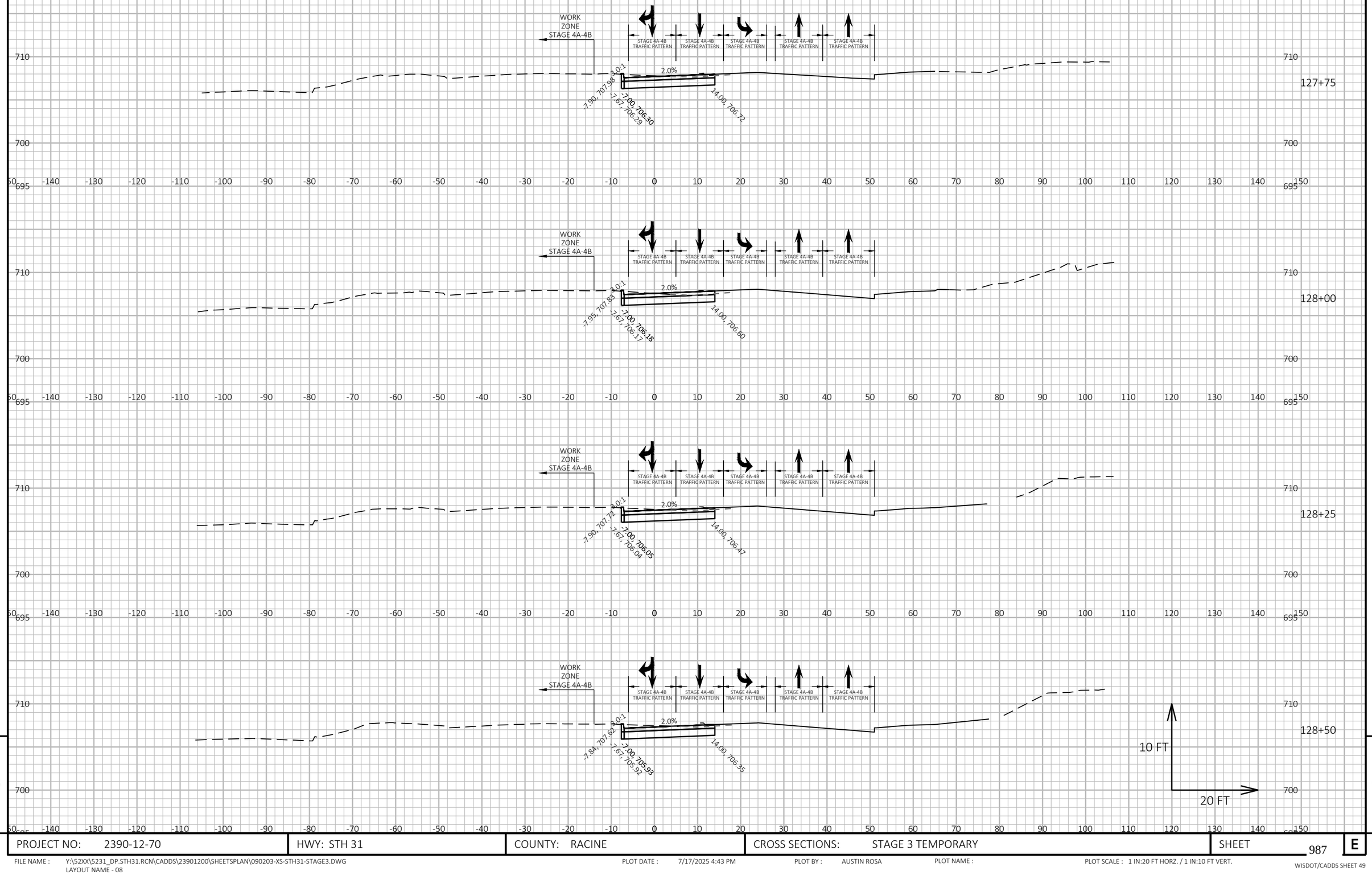
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 986	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 07

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

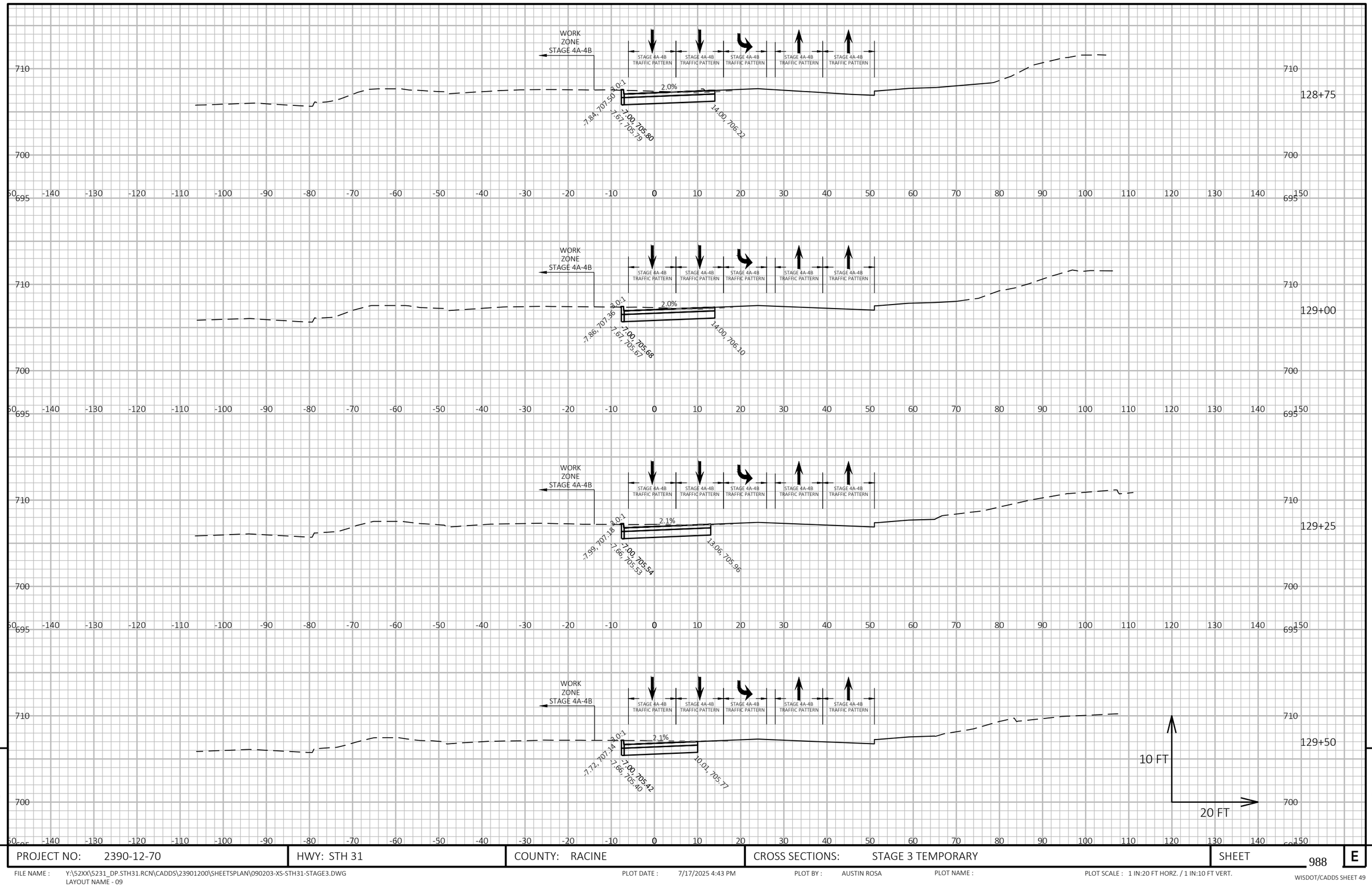


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 987	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 08

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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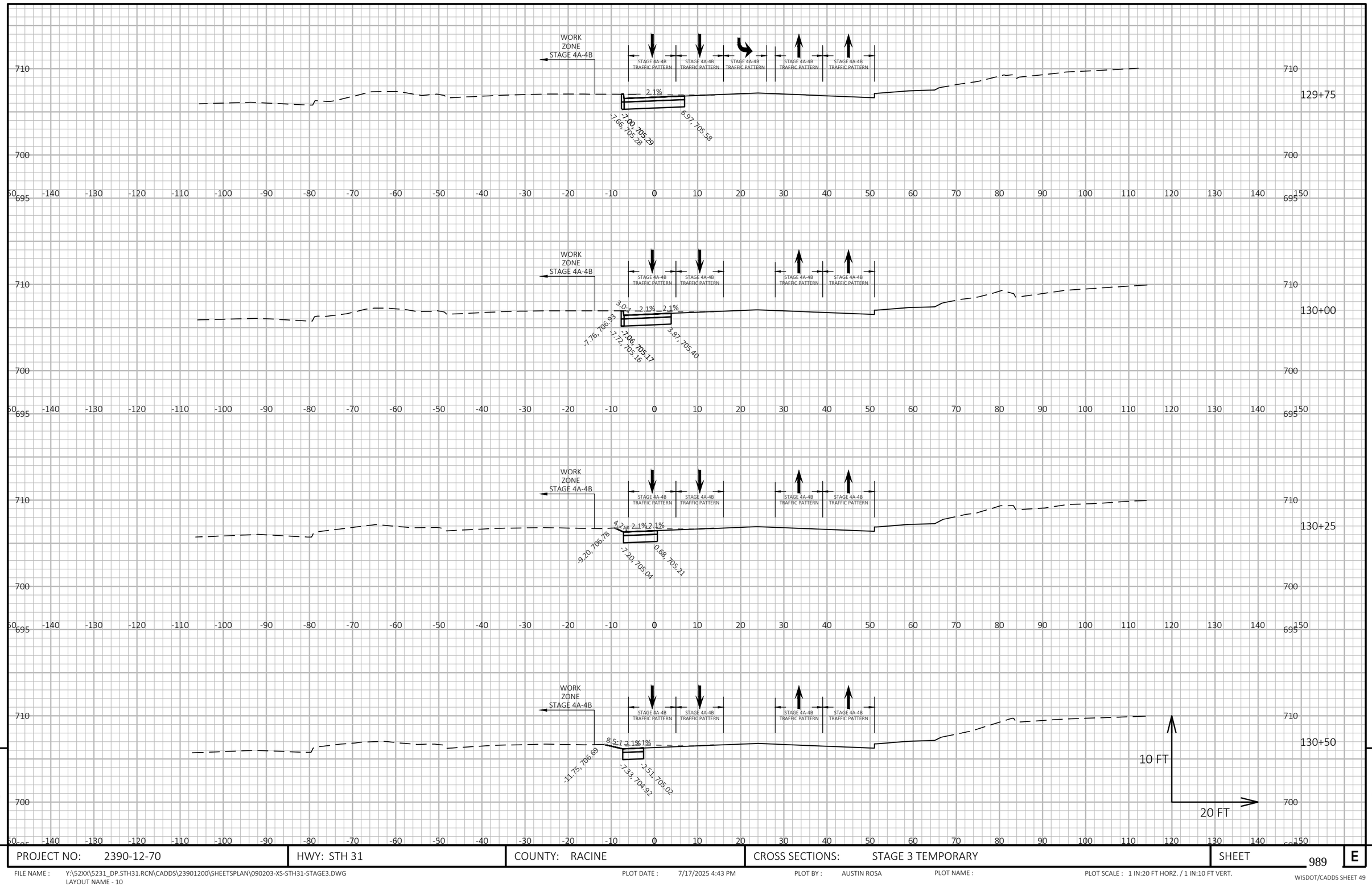
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 988	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 09

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 989	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 10

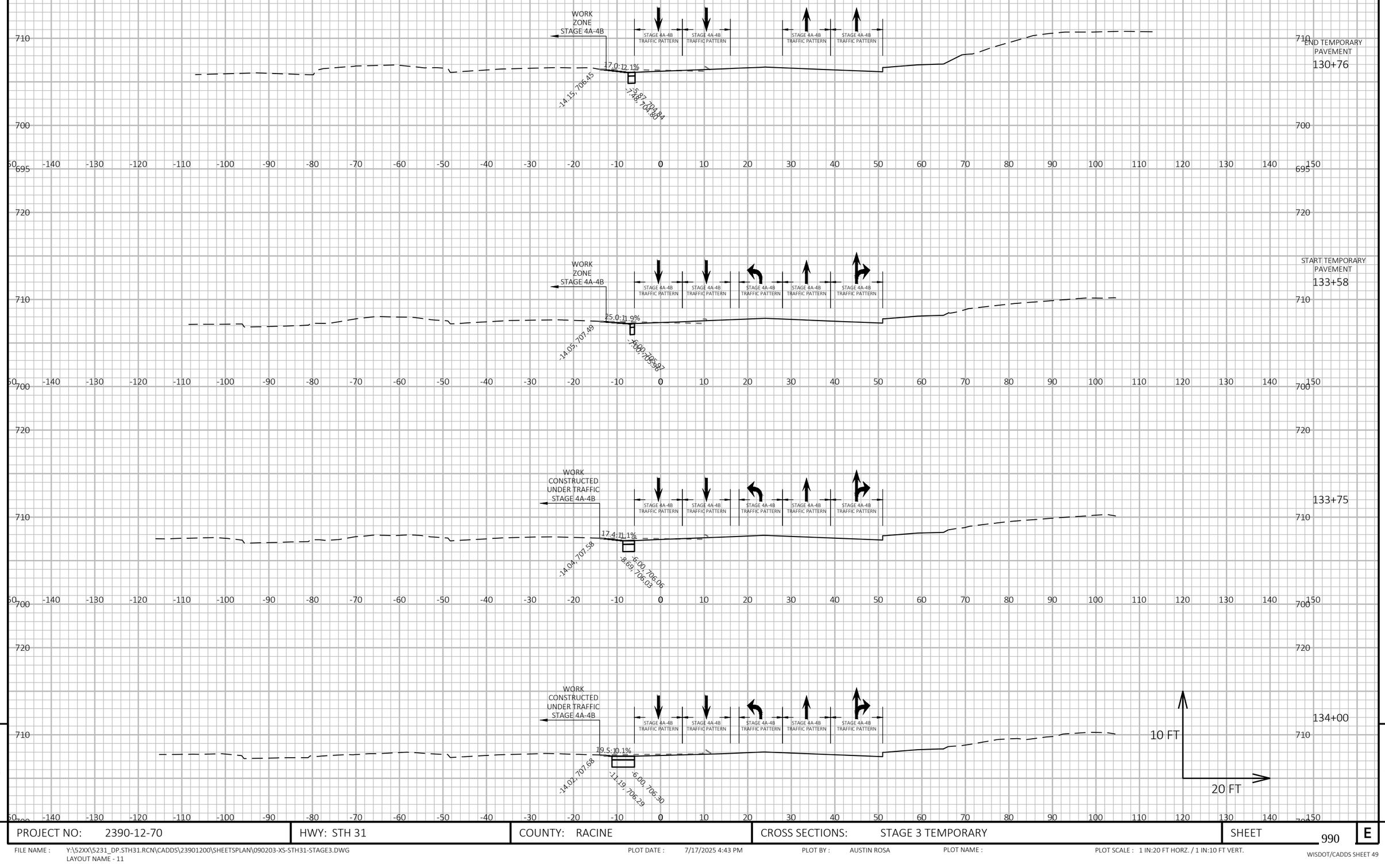
PLOT DATE : 7/17/2025 4:43 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

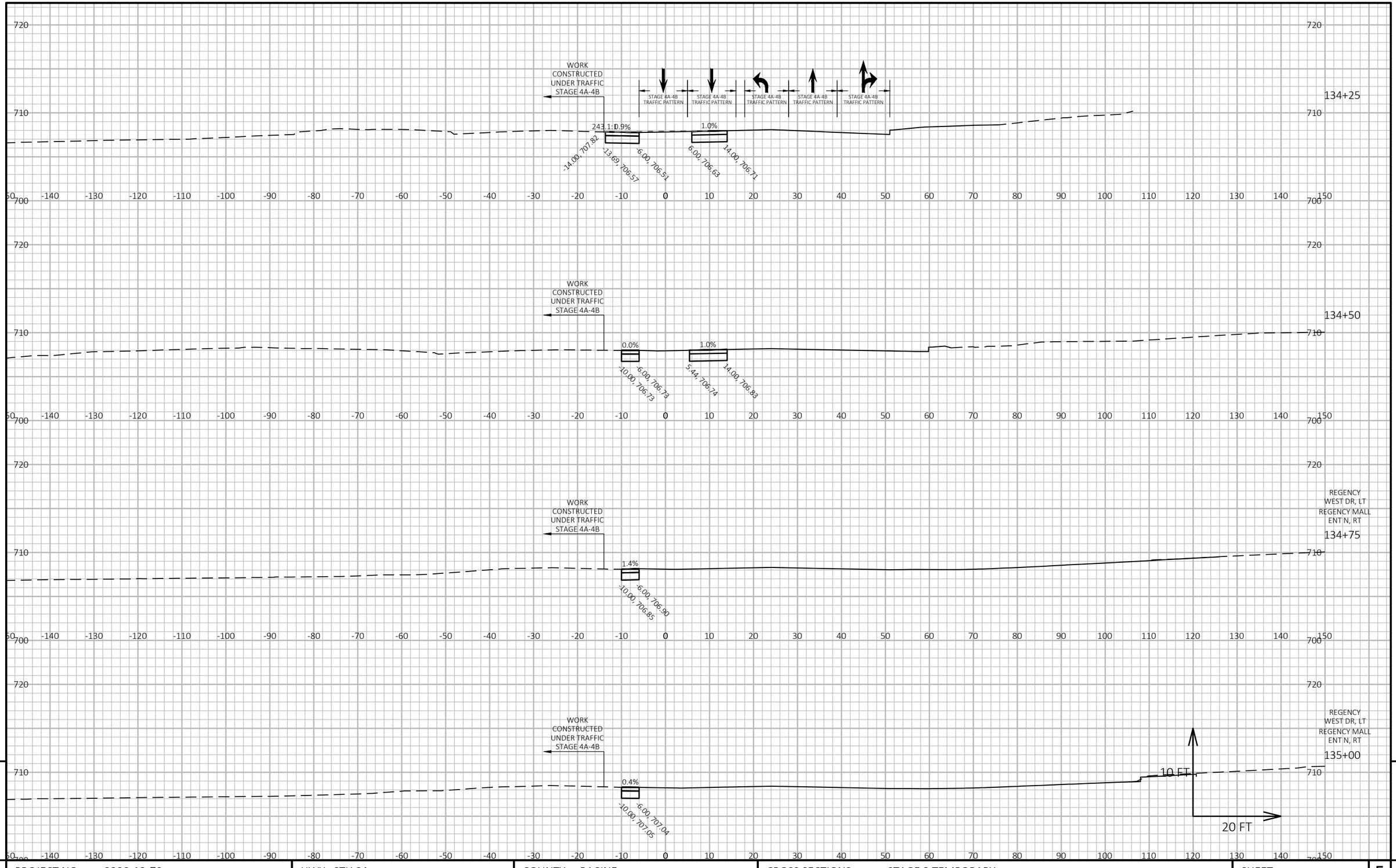
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 990	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 11

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 991	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 12

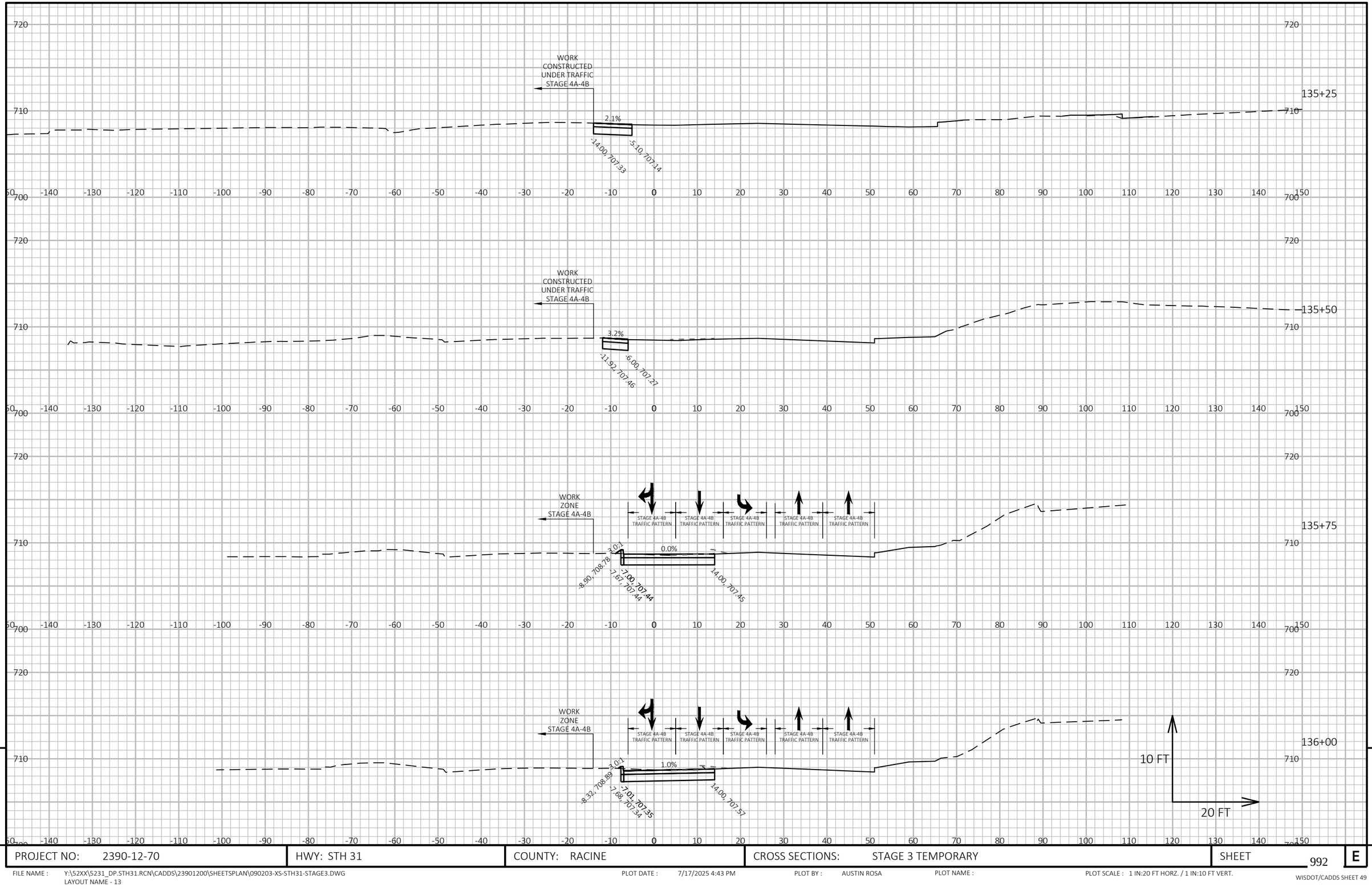
PLOT DATE : 7/17/2025 4:43 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

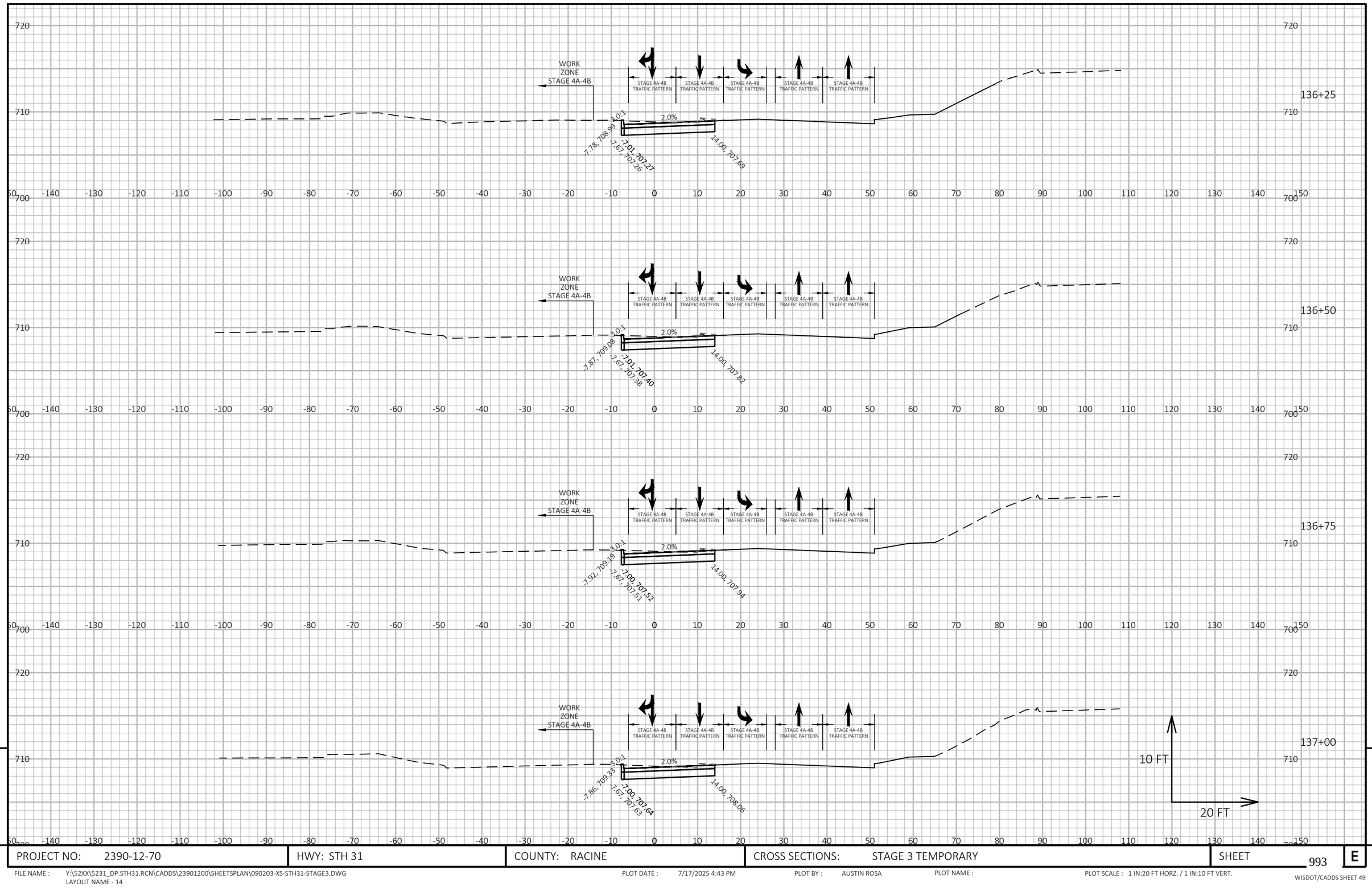
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 992	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 13

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 993	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 14

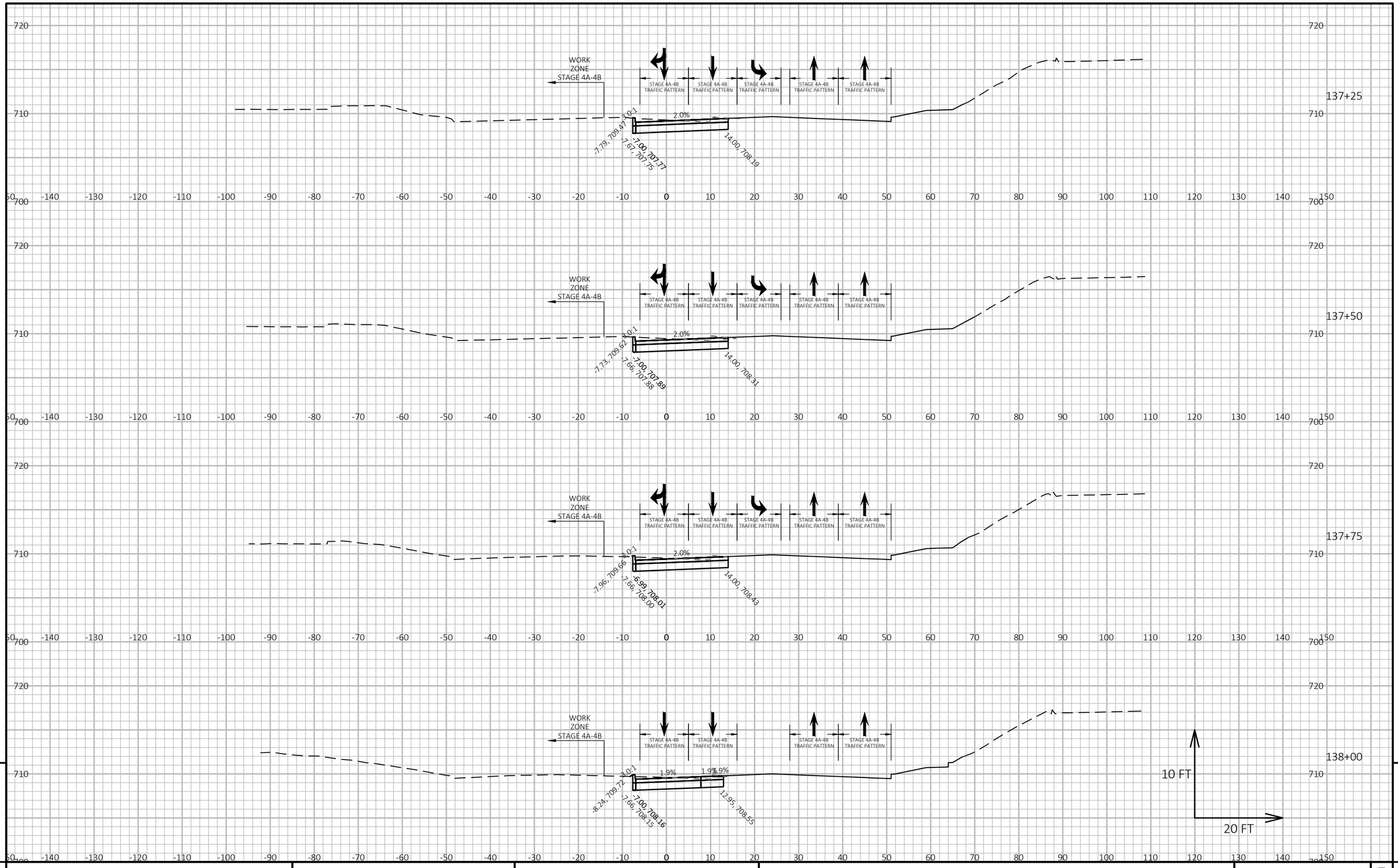
PLOT DATE : 7/17/2025 4:43 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 994	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 15

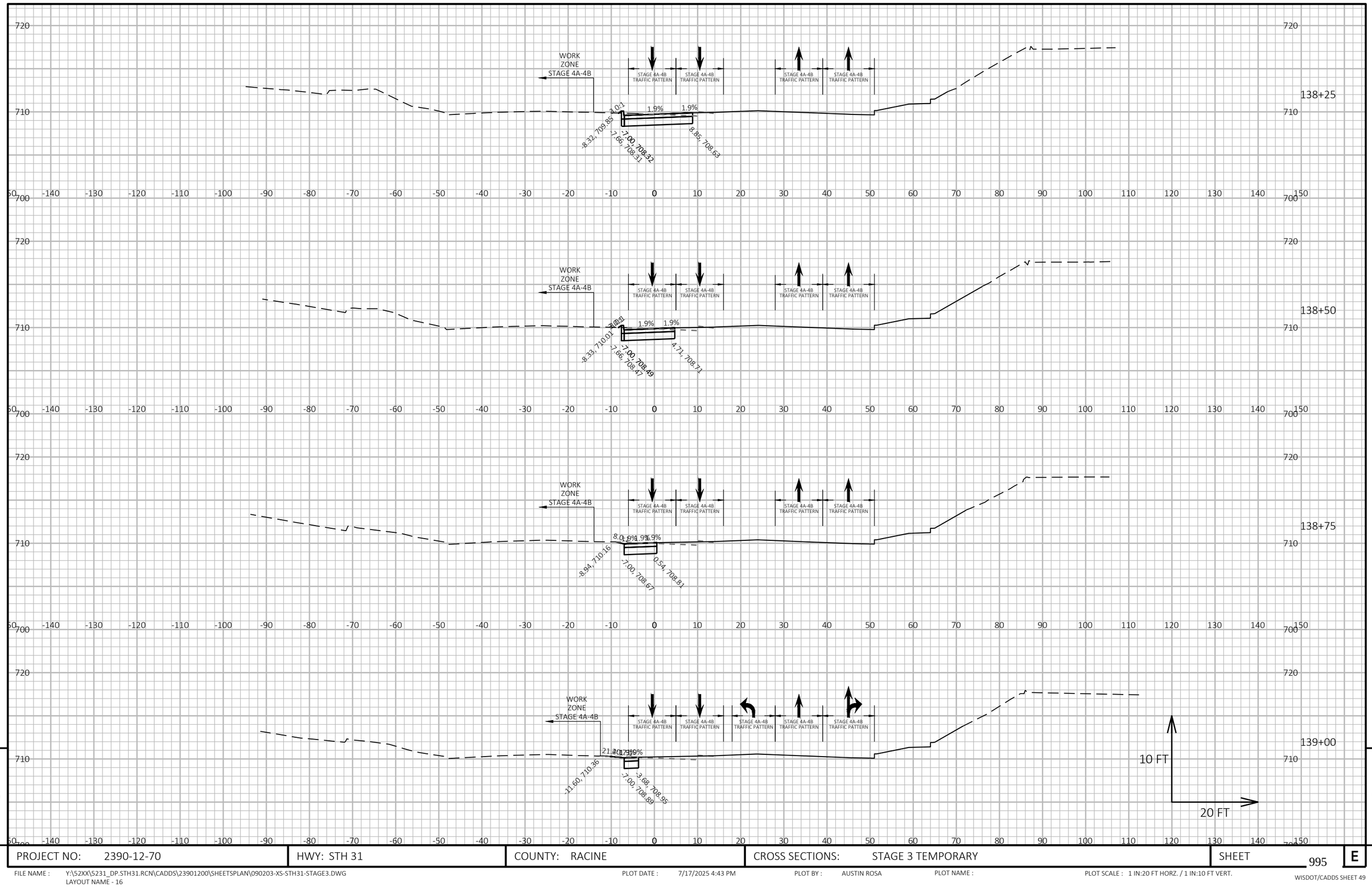
PLOT DATE : 7/17/2025 4:43 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

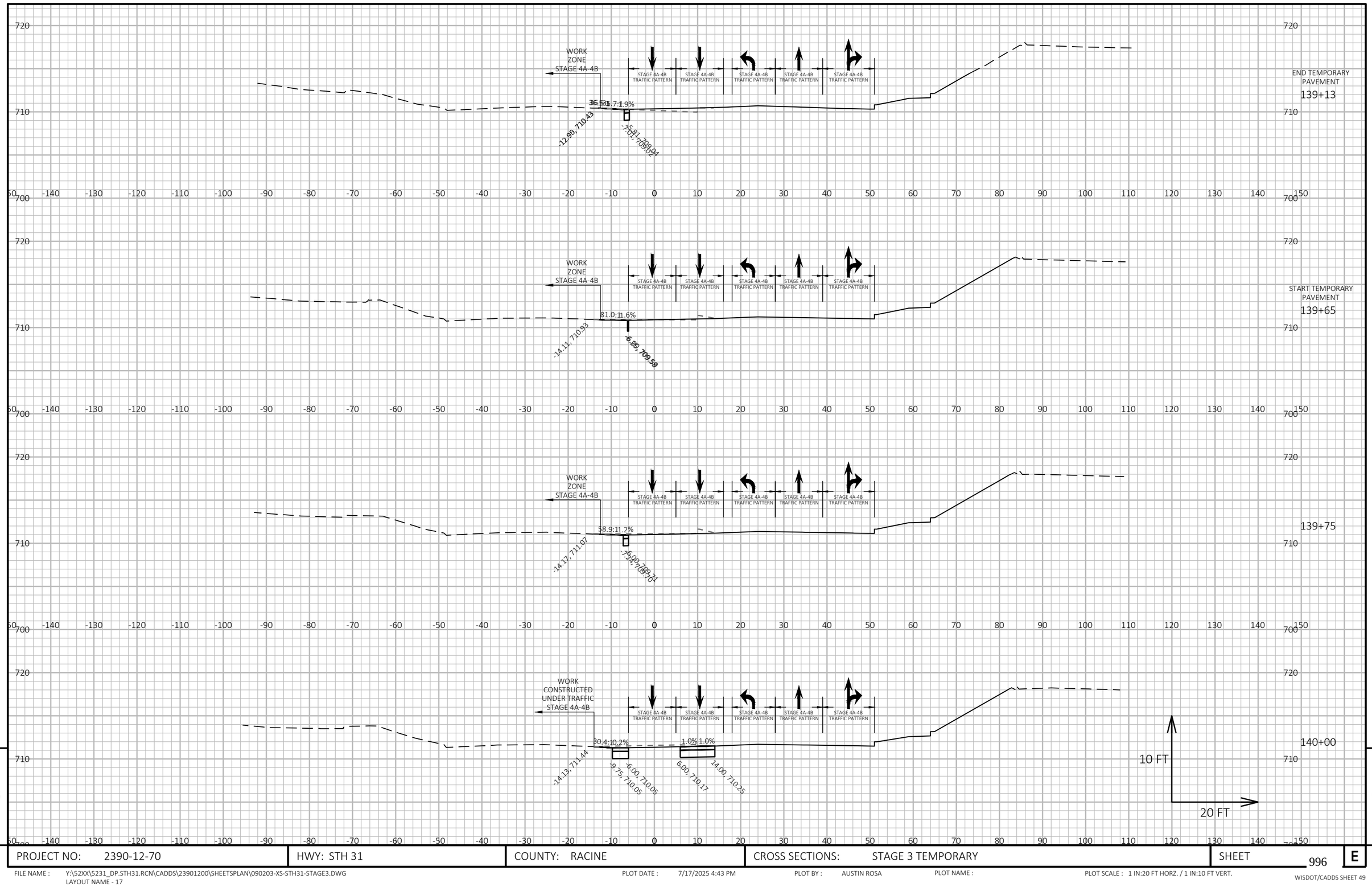
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 995	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 16

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

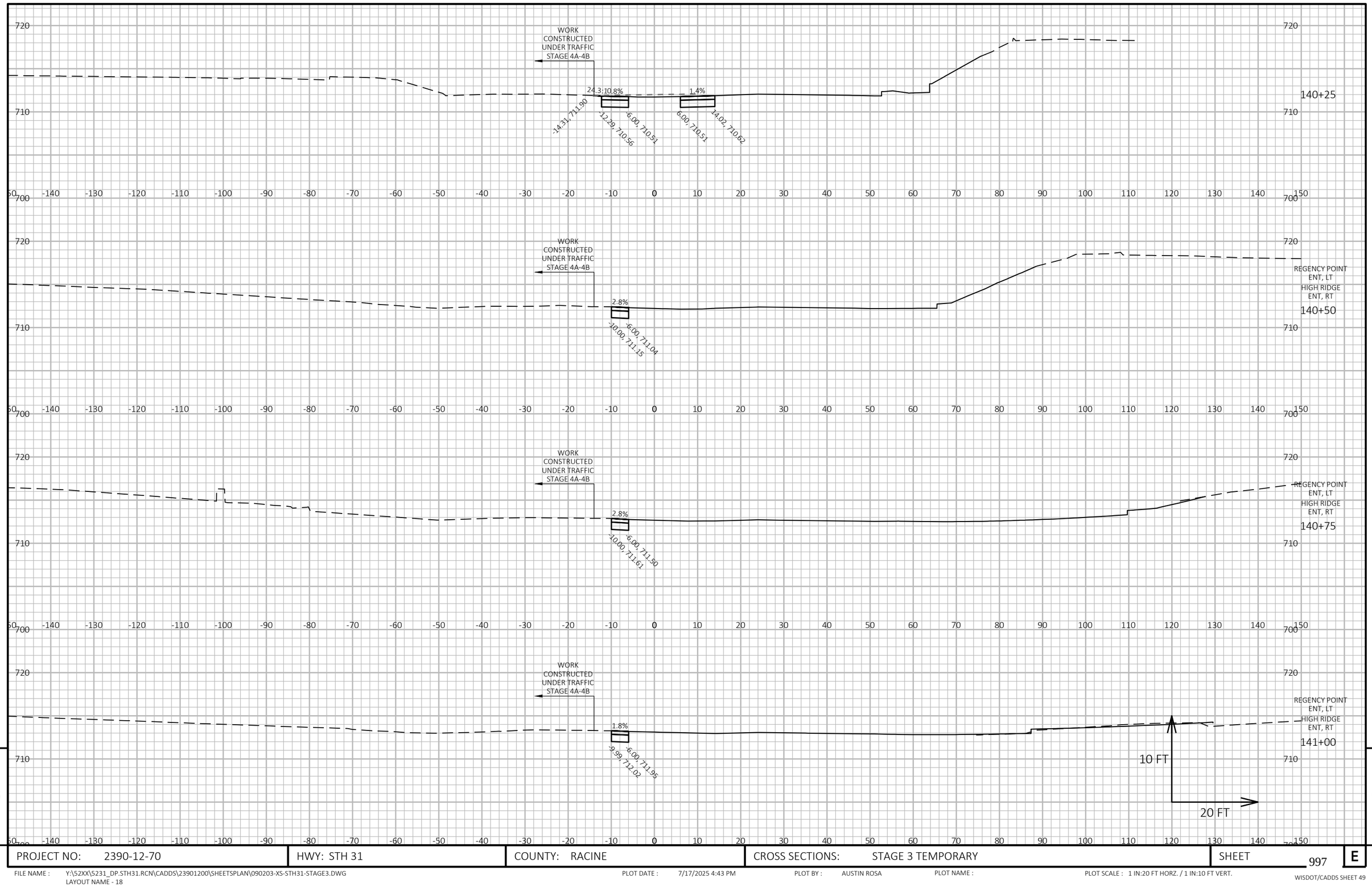
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 996	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 17

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

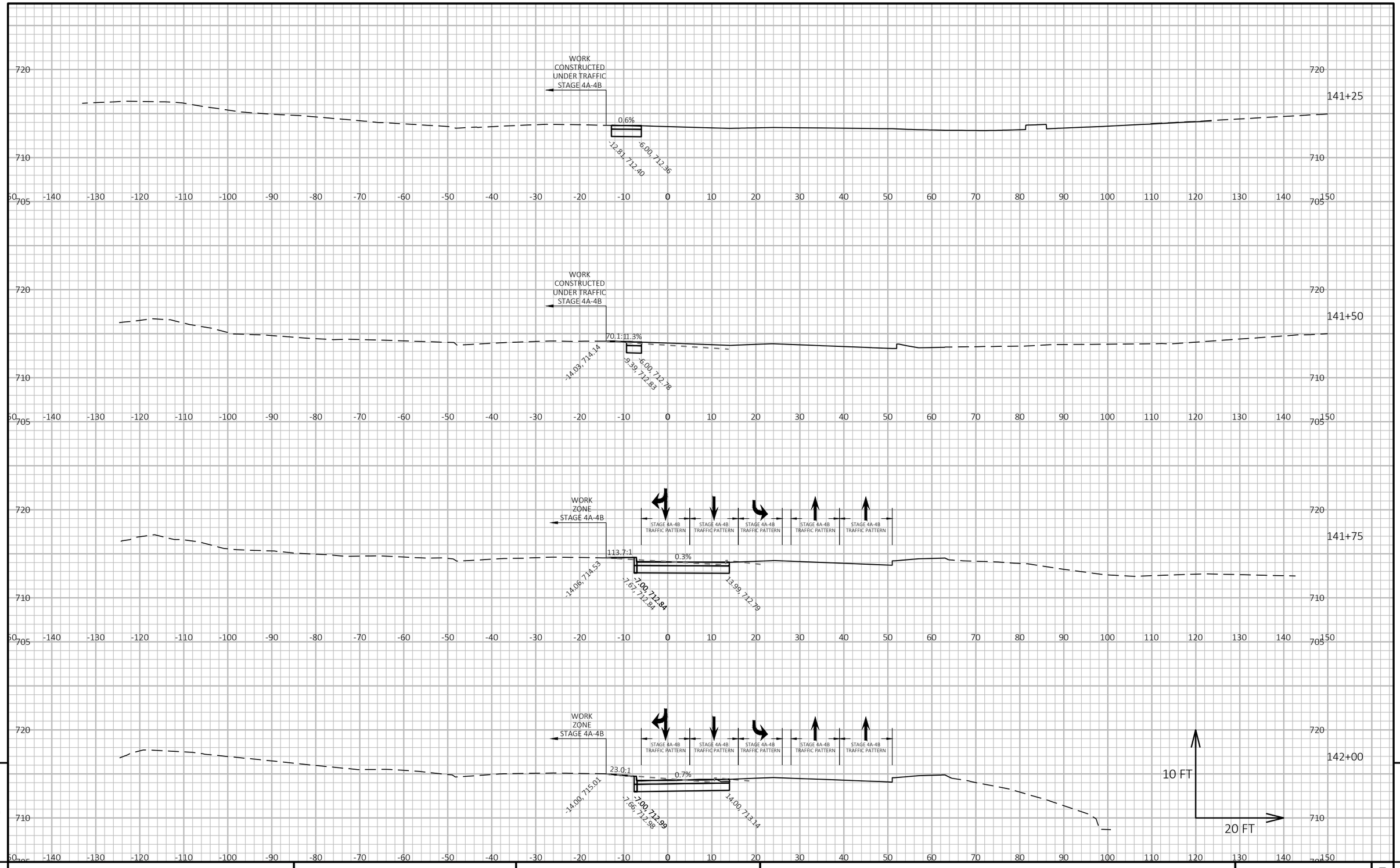
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 997	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 18

PLOT DATE : 7/17/2025 4:43 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 998	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 19

PLOT DATE : 7/17/2025 4:43 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

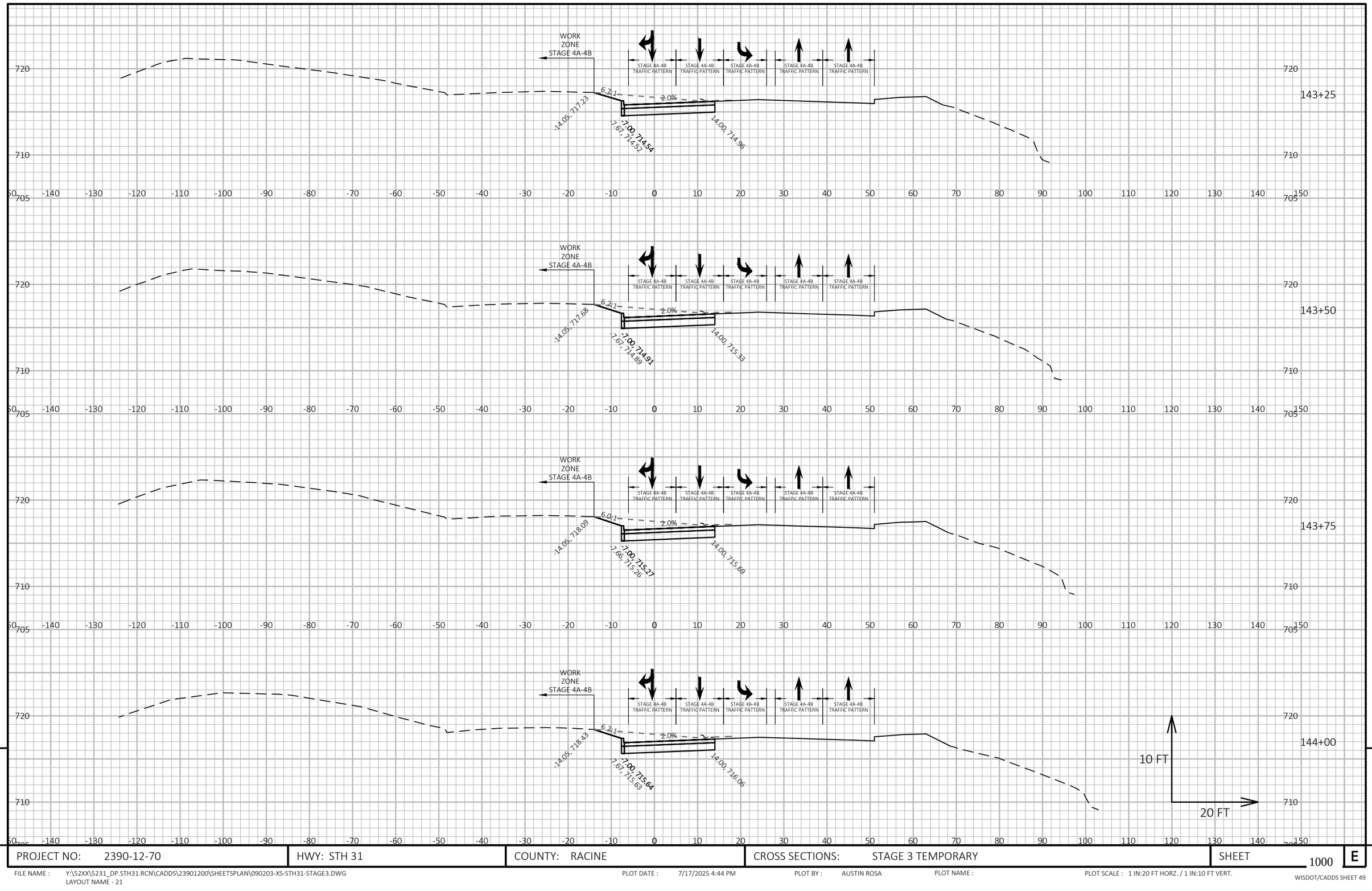
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 999	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 20

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

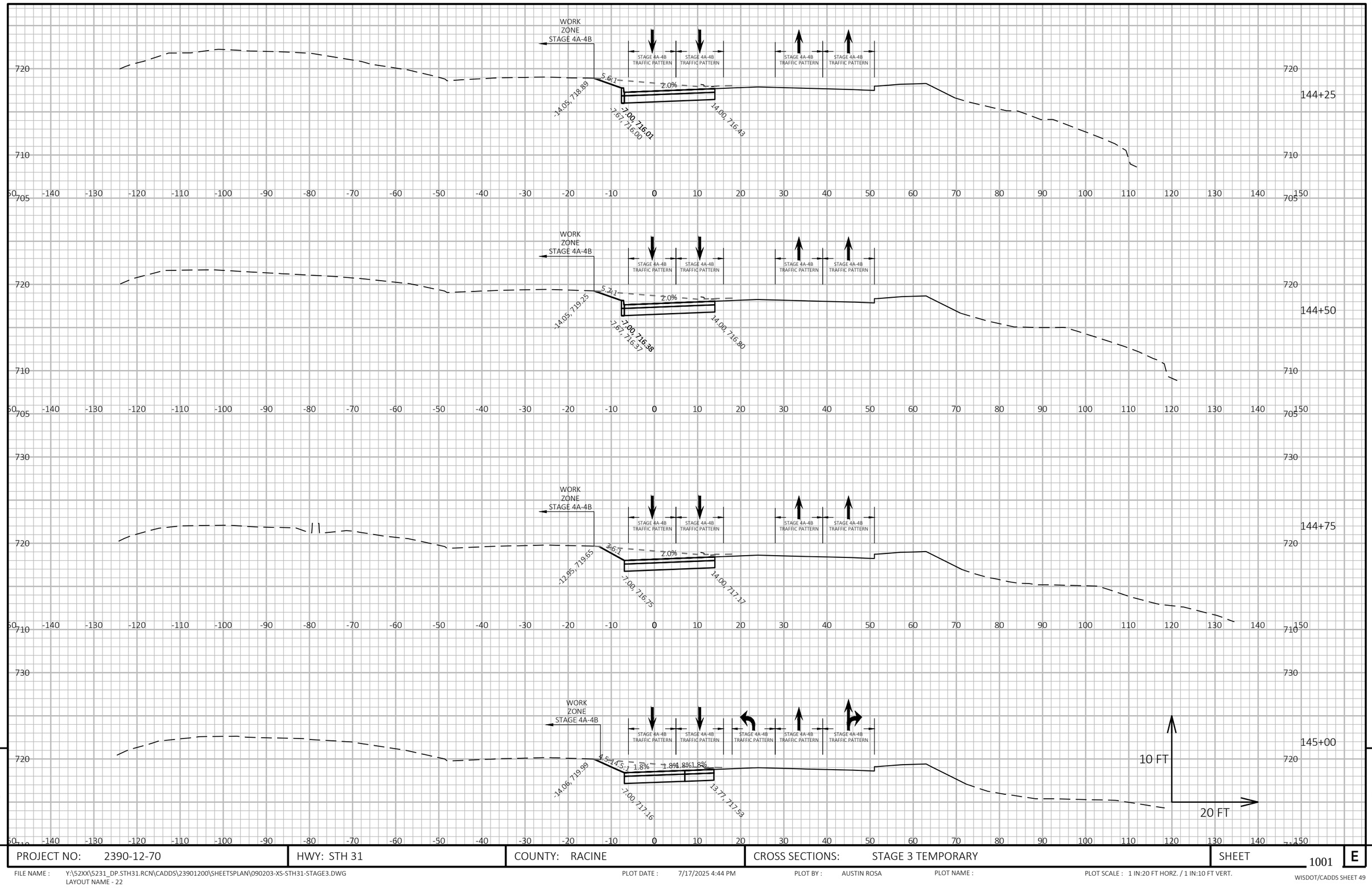
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1000	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 21

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1001	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 22

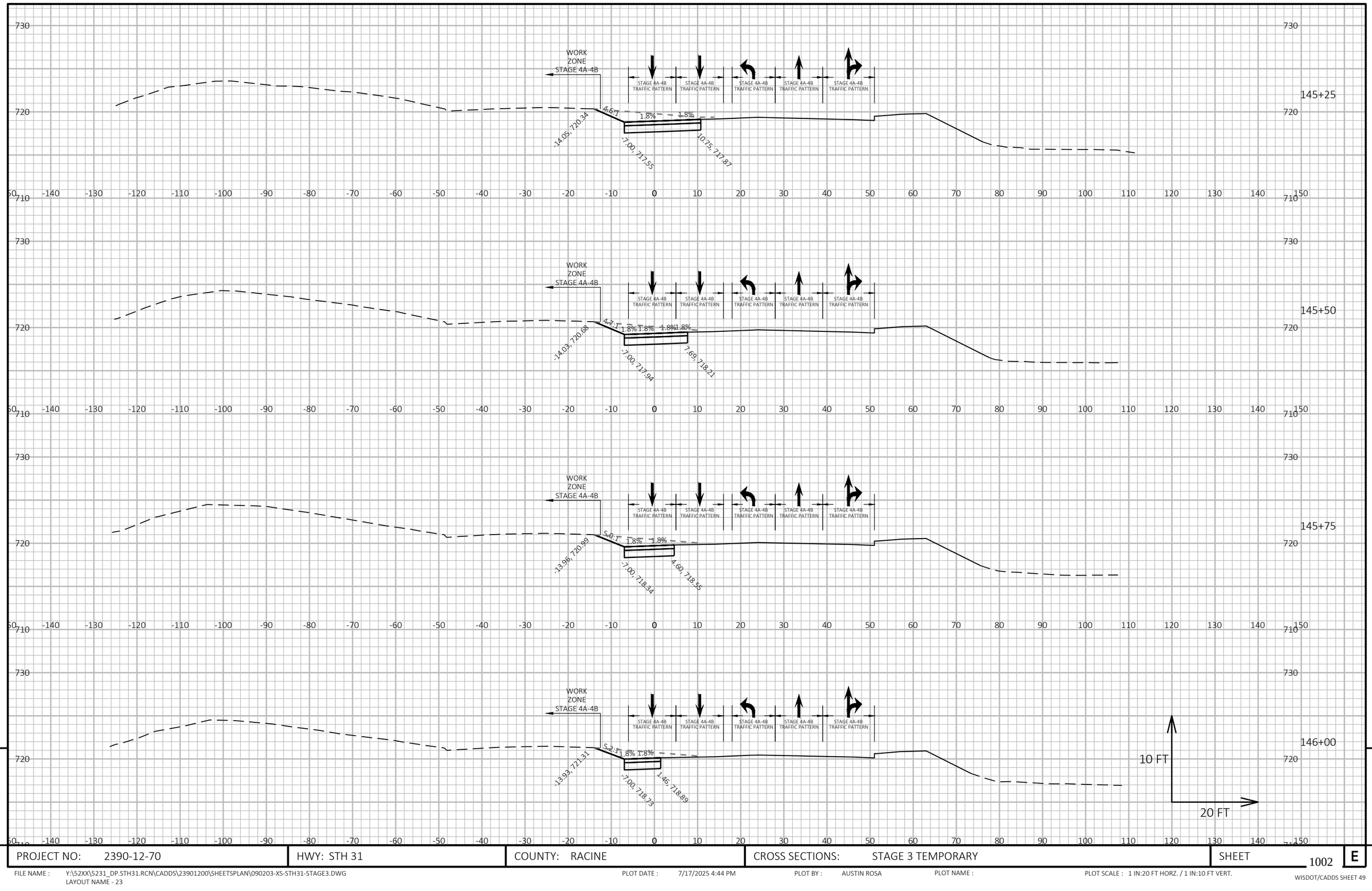
PLOT DATE : 7/17/2025 4:44 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



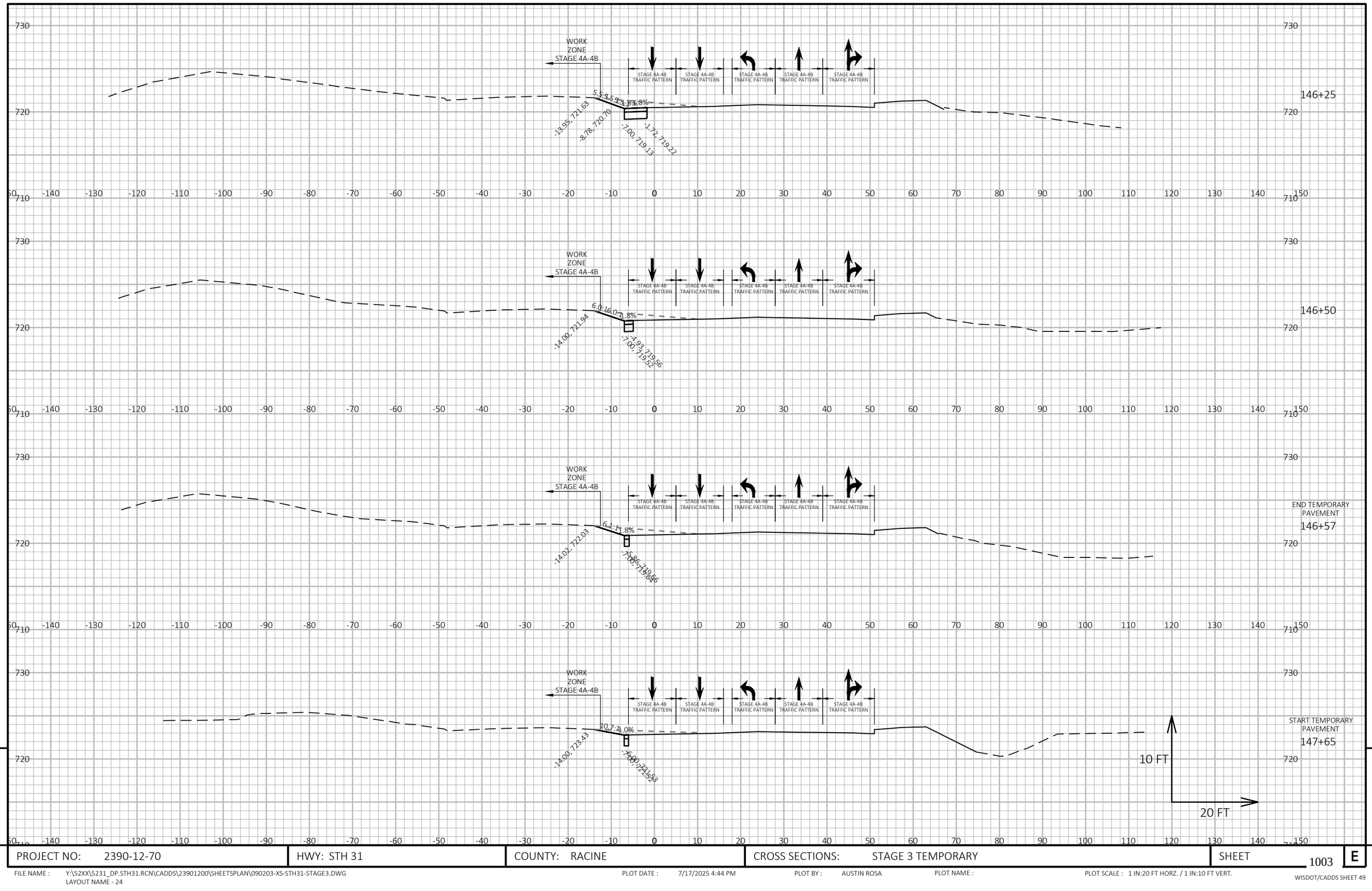
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1002	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 23

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

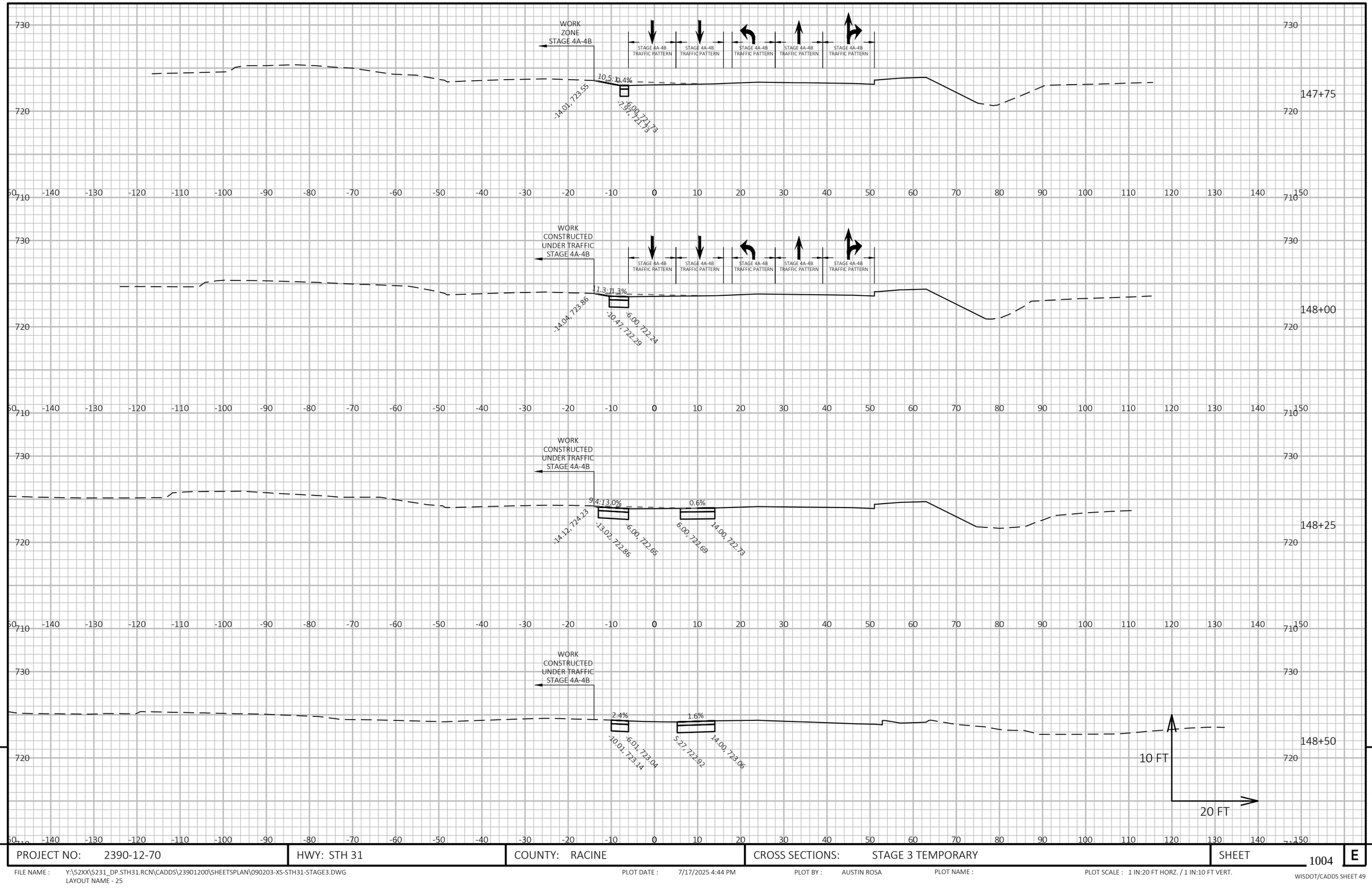


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1003 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 24

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

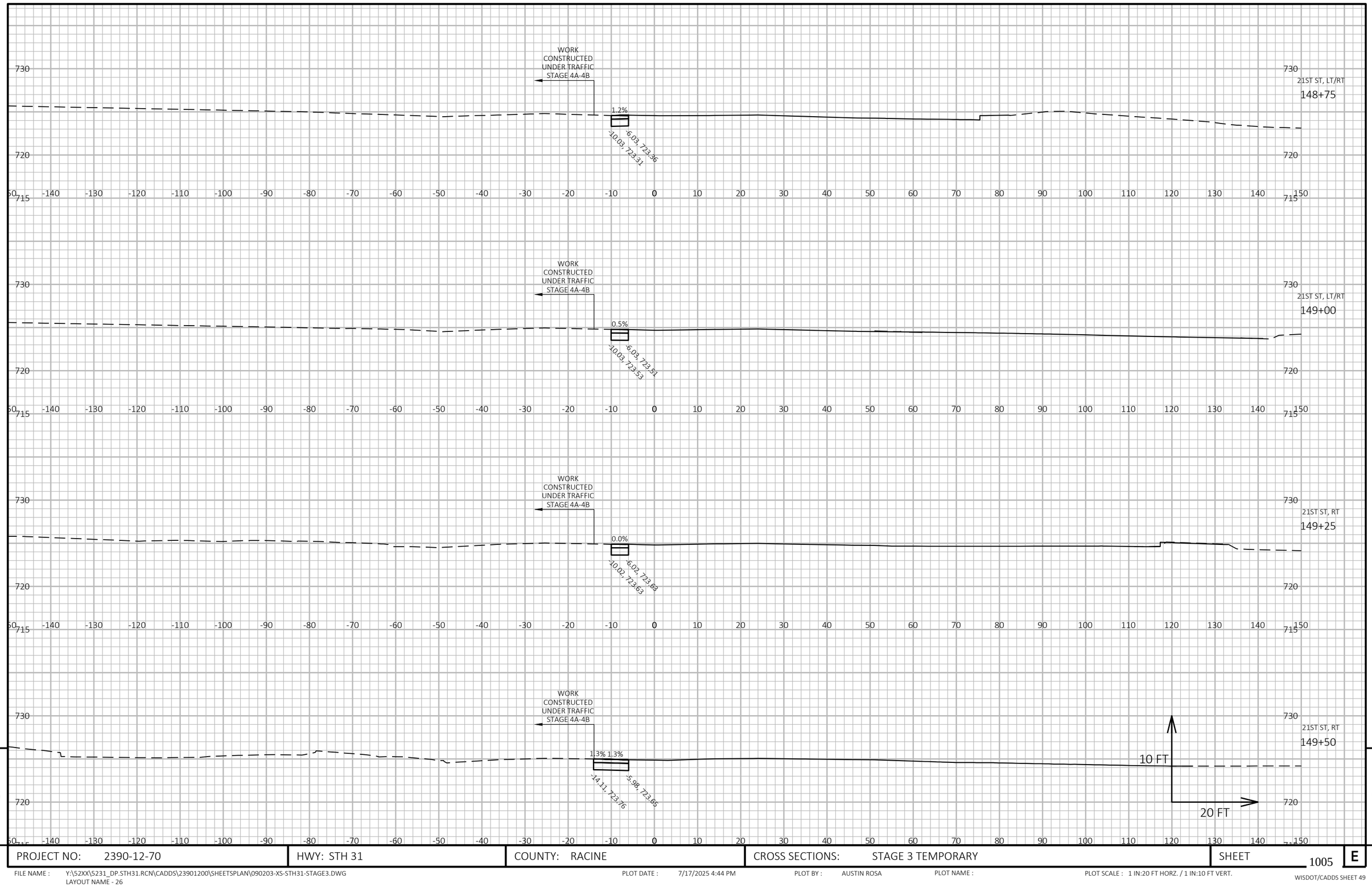
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1004	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 25

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



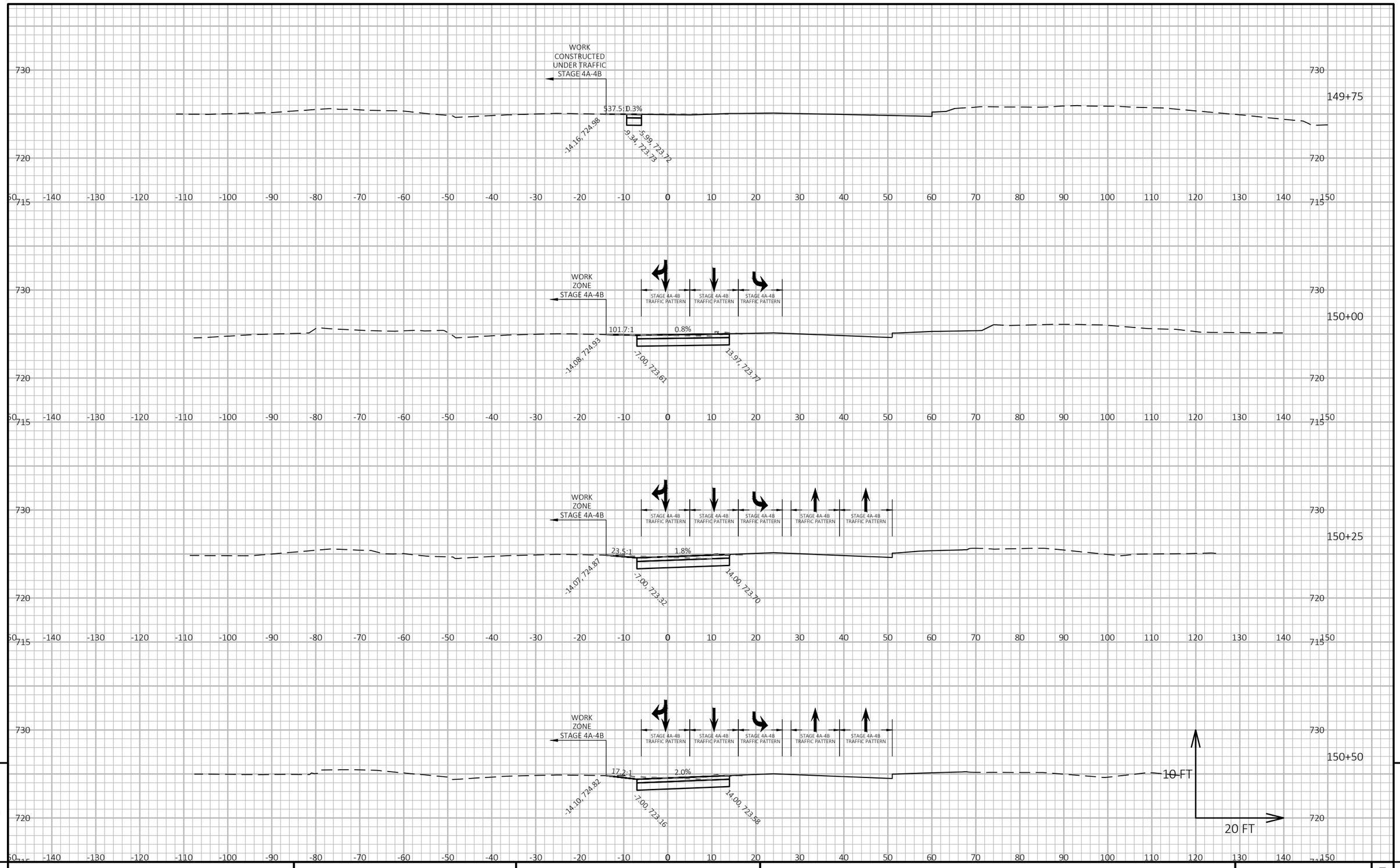
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1005	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 26

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1006	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 27

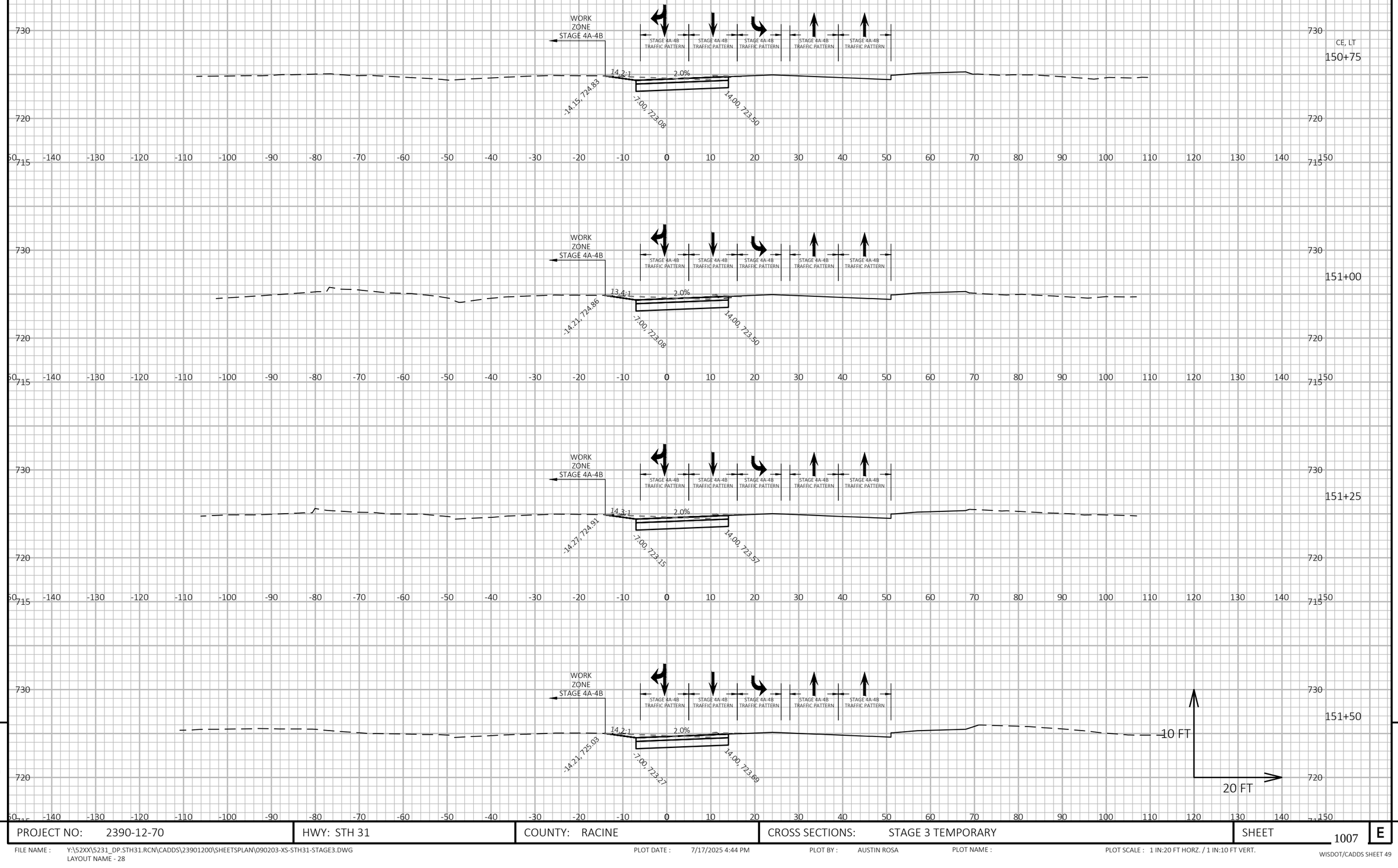
PLOT DATE : 7/17/2025 4:44 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



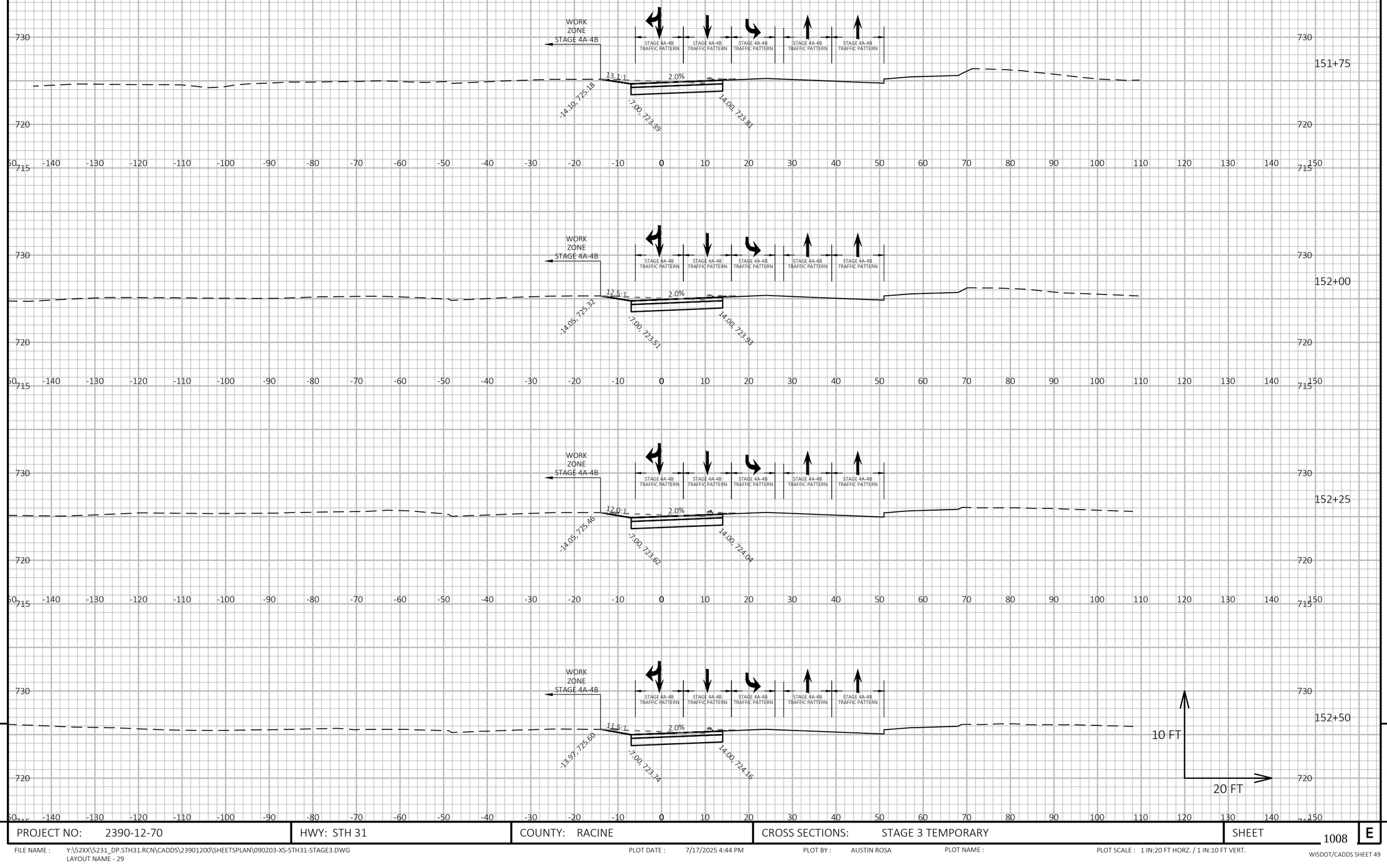
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1007	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 28

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



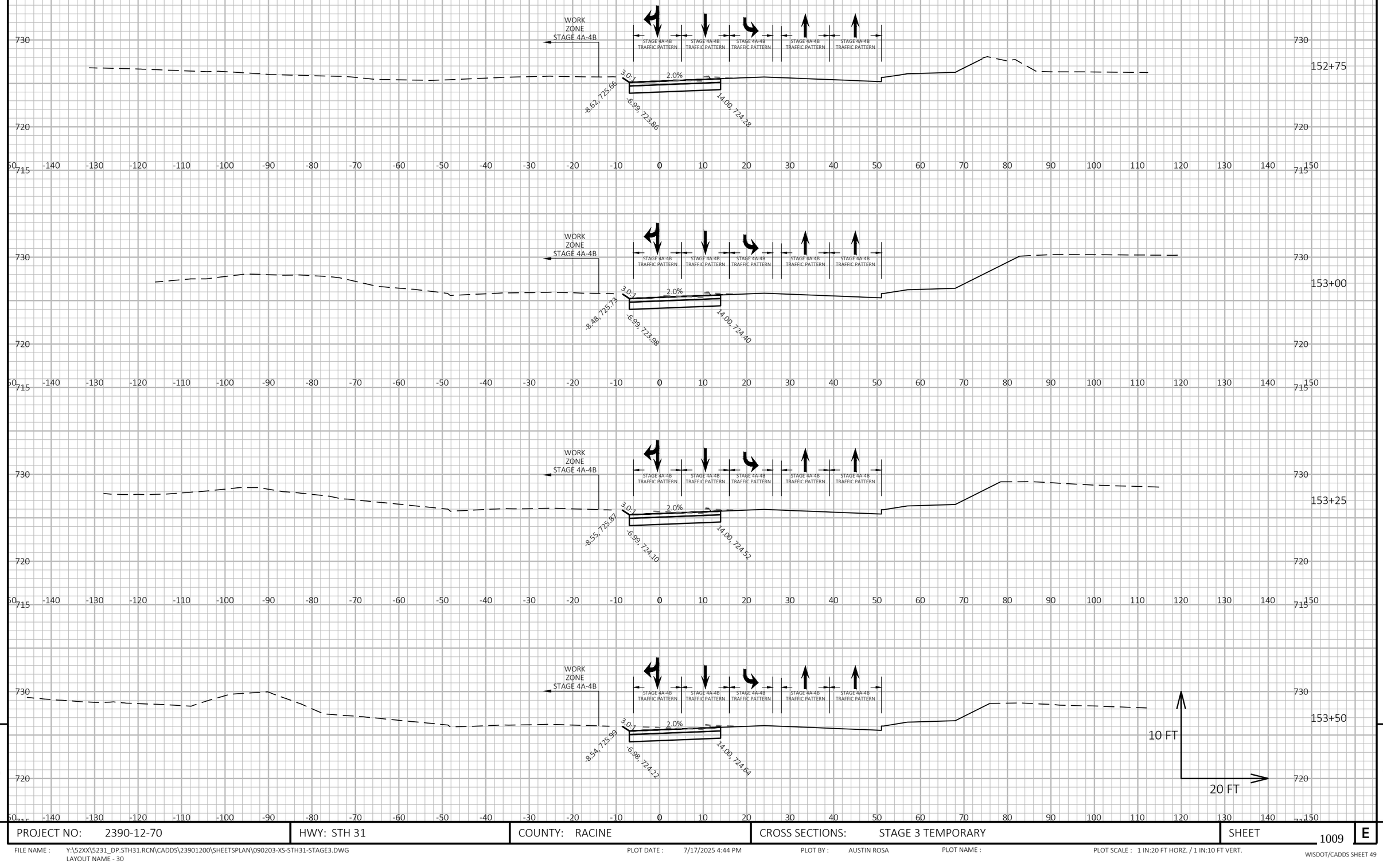
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1008	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 29

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1009	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 30

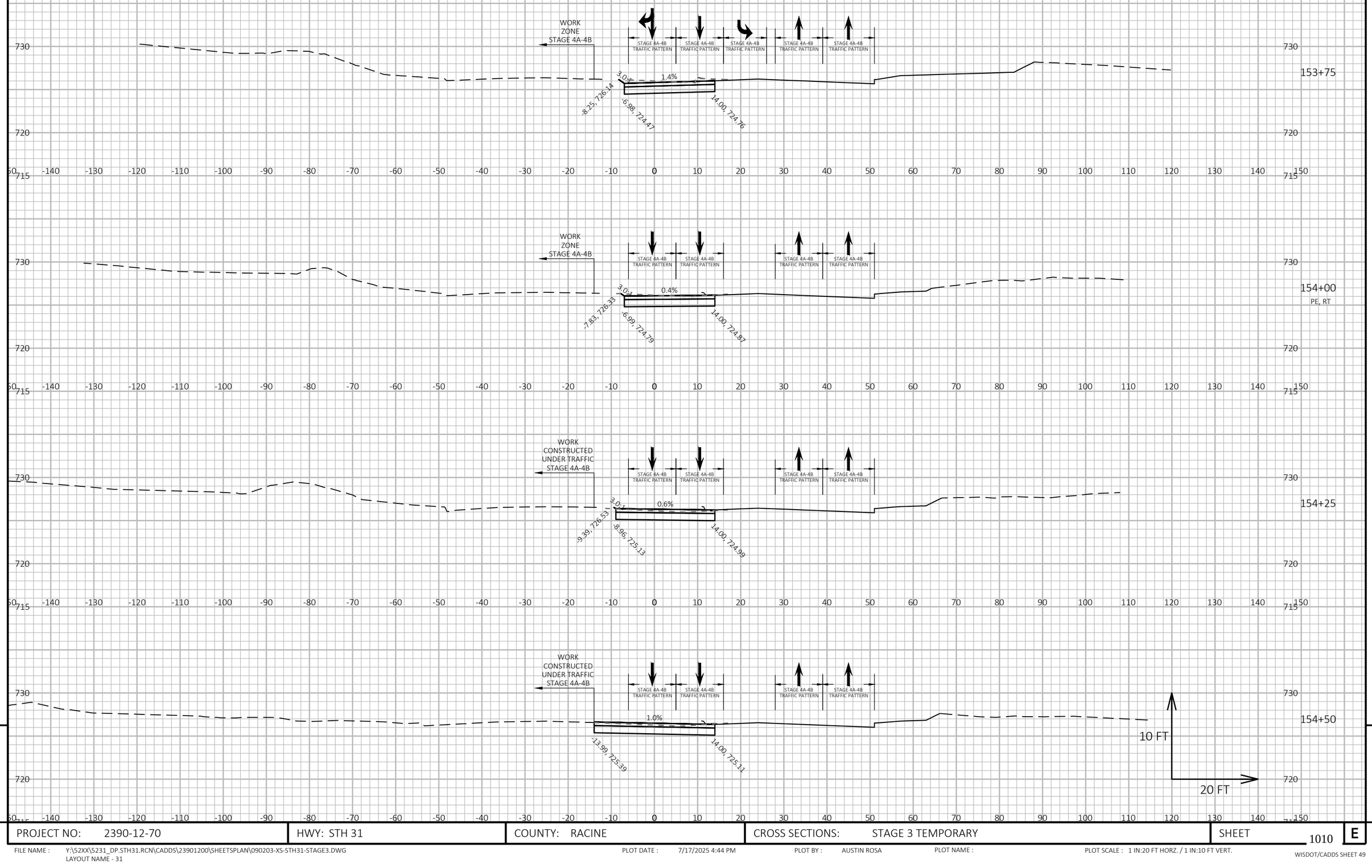
PLOT DATE : 7/17/2025 4:44 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

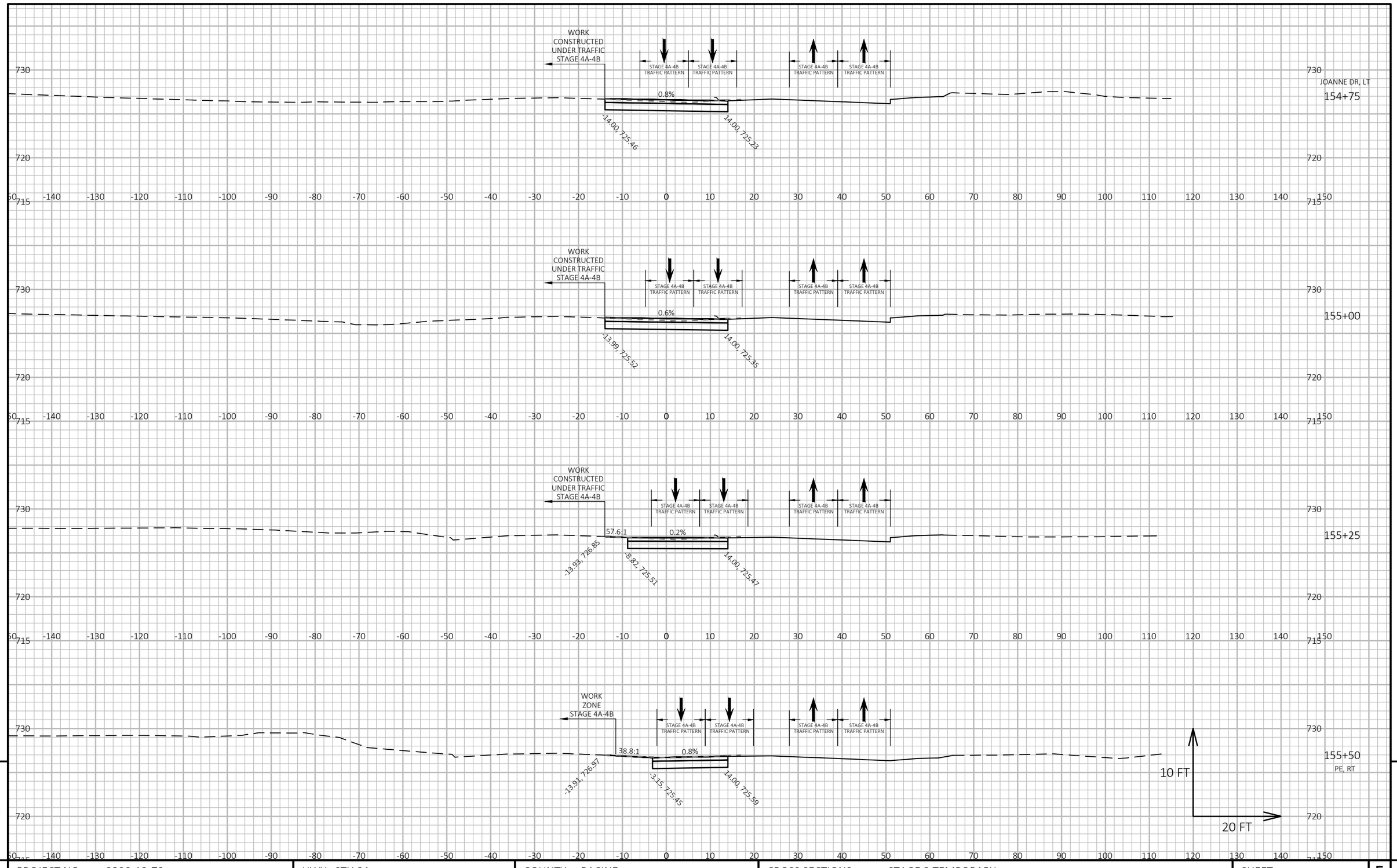
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1010	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 31

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1011	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 32

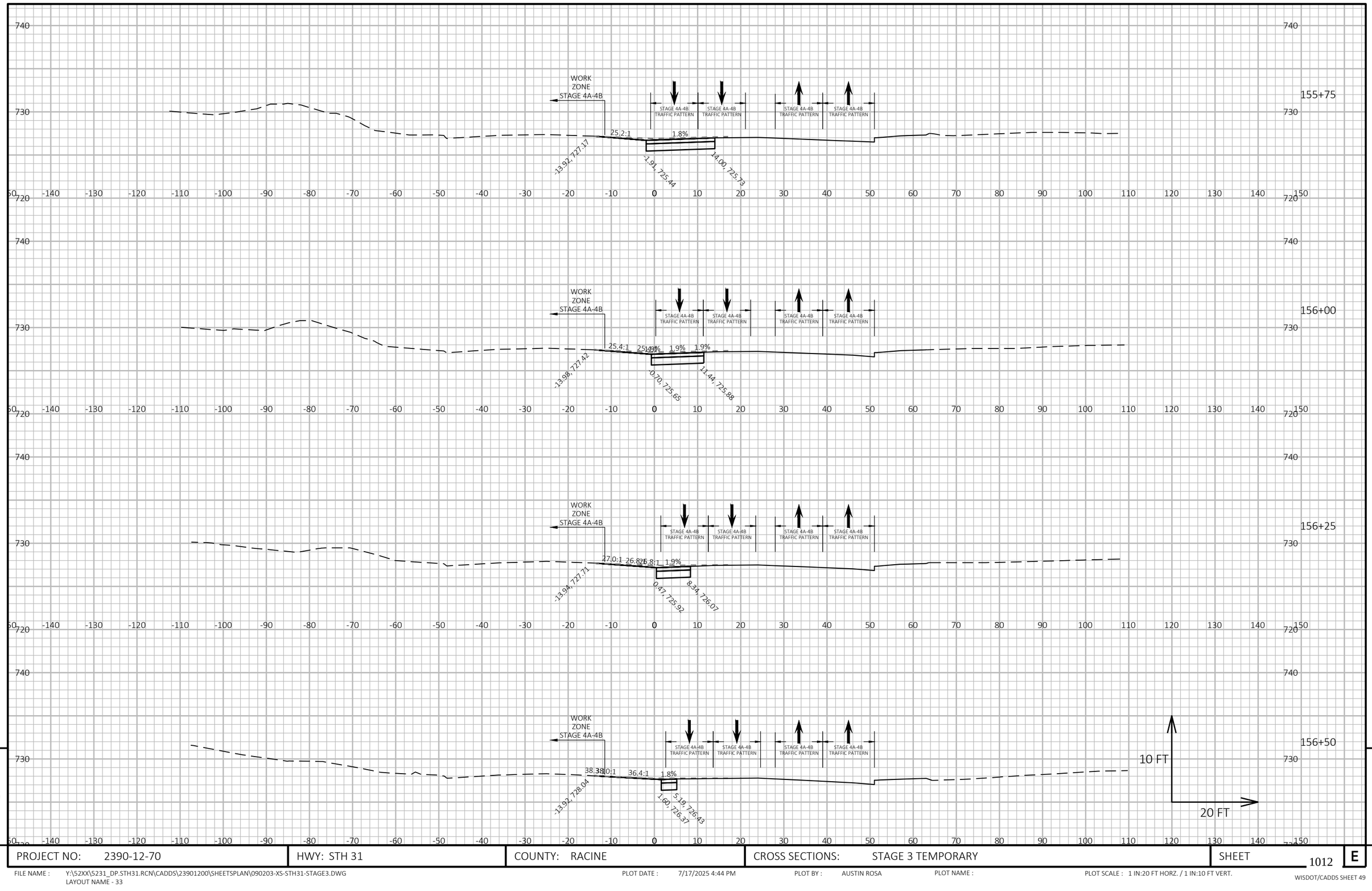
PLOT DATE : 7/17/2025 4:44 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1012	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 33

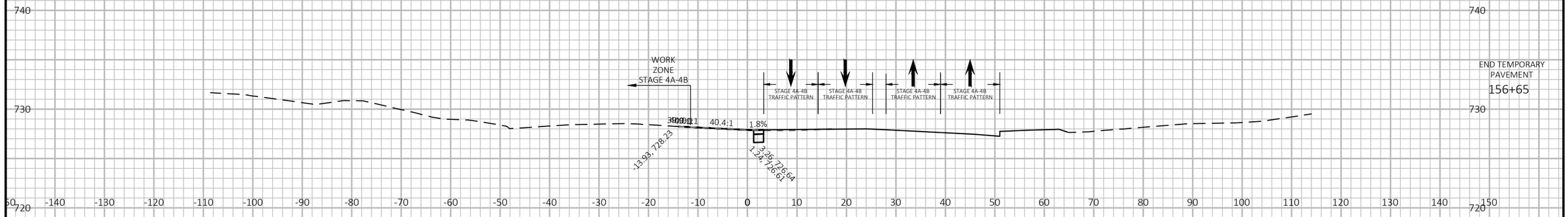
PLOT DATE : 7/17/2025 4:44 PM

PLOT BY : AUSTIN ROSA

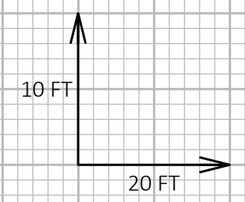
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



SEE CROSS SECTIONS: STAGE 3 TEMPORARY FOR CROSSOVER IN STAGE 4
STA 157+45 TO STA 162+14



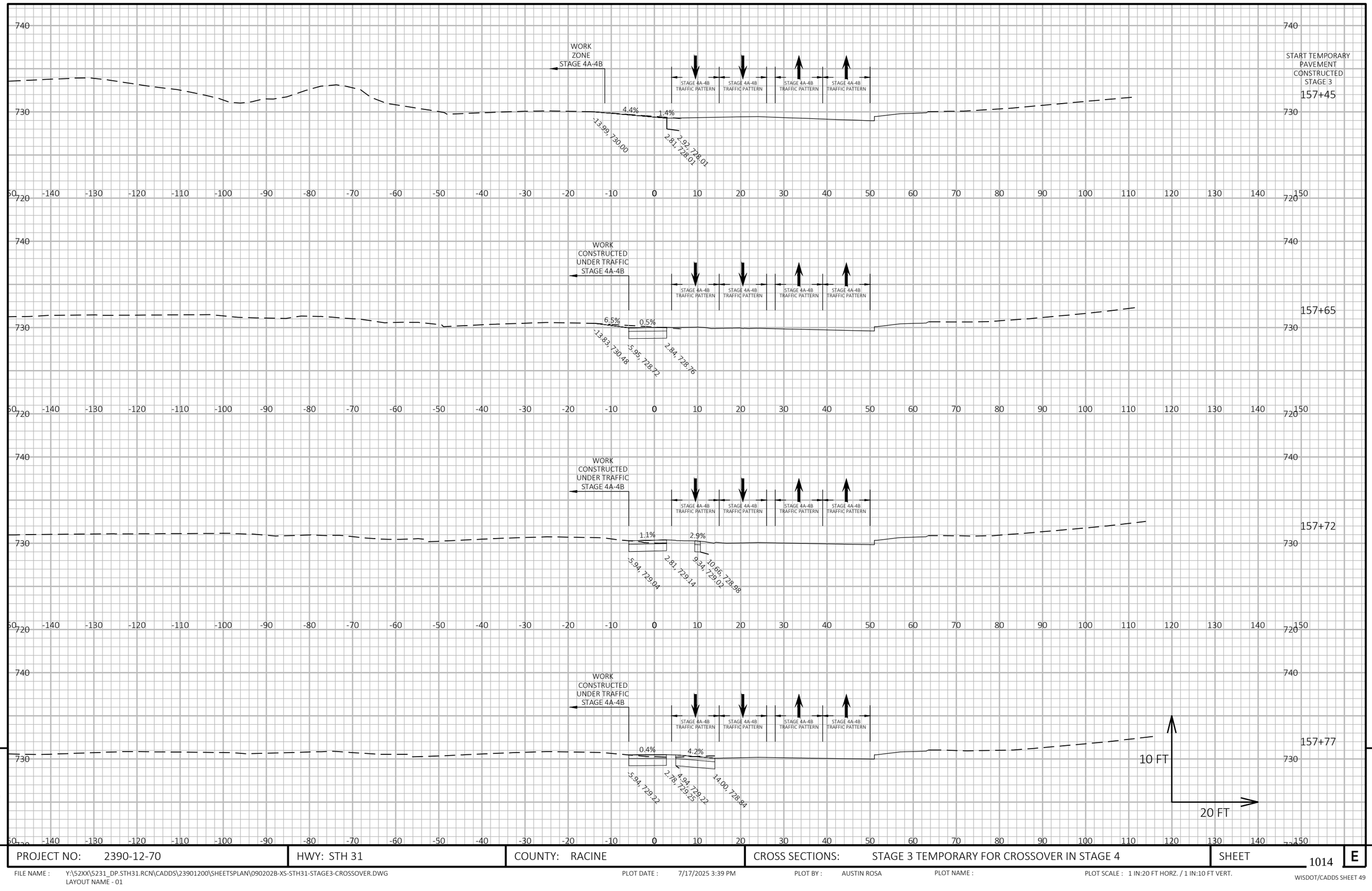
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY	SHEET 1013	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE3.DWG
LAYOUT NAME - 34

PLOT DATE : 7/17/2025 4:44 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



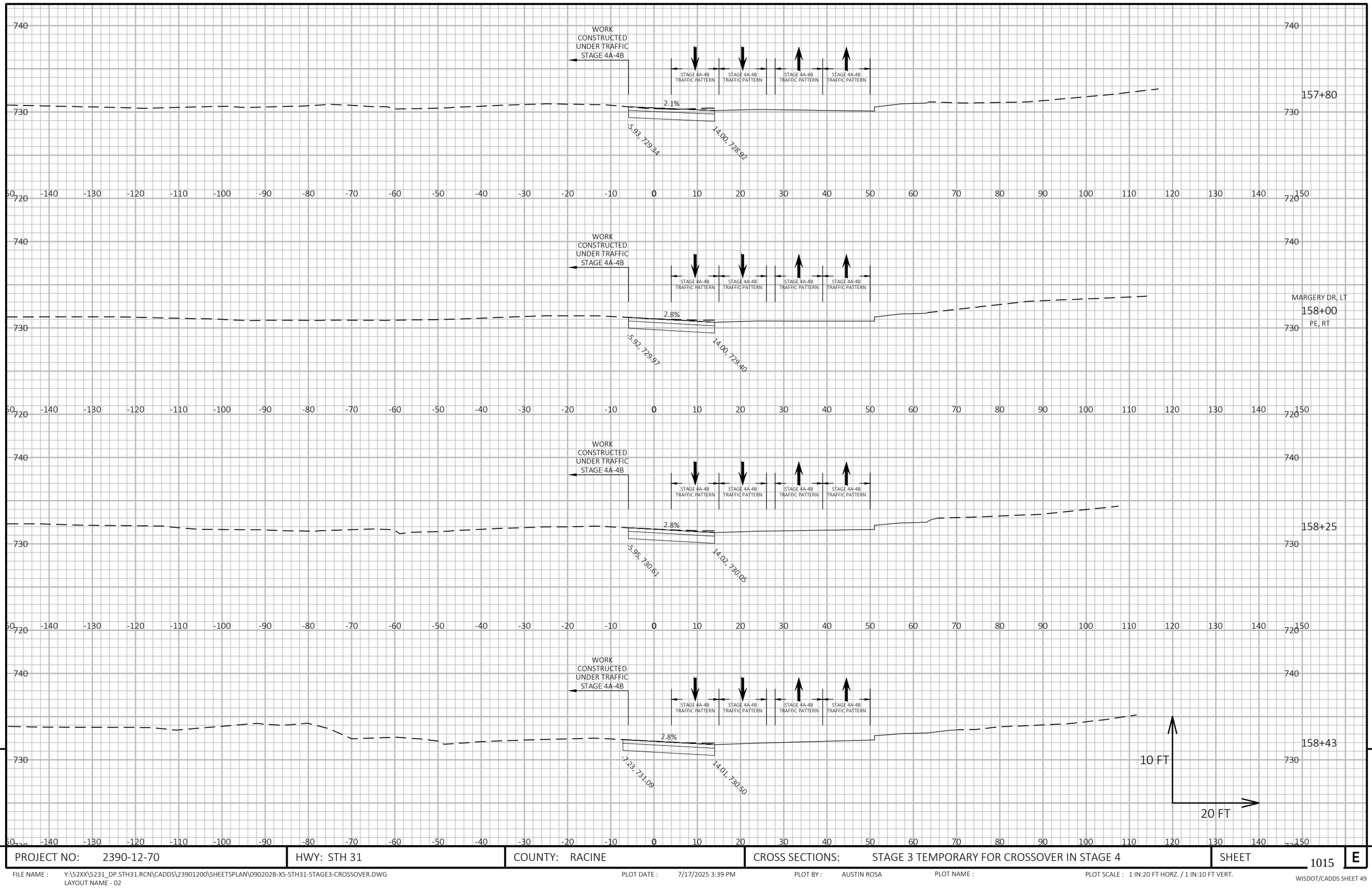
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 1014	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 01

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



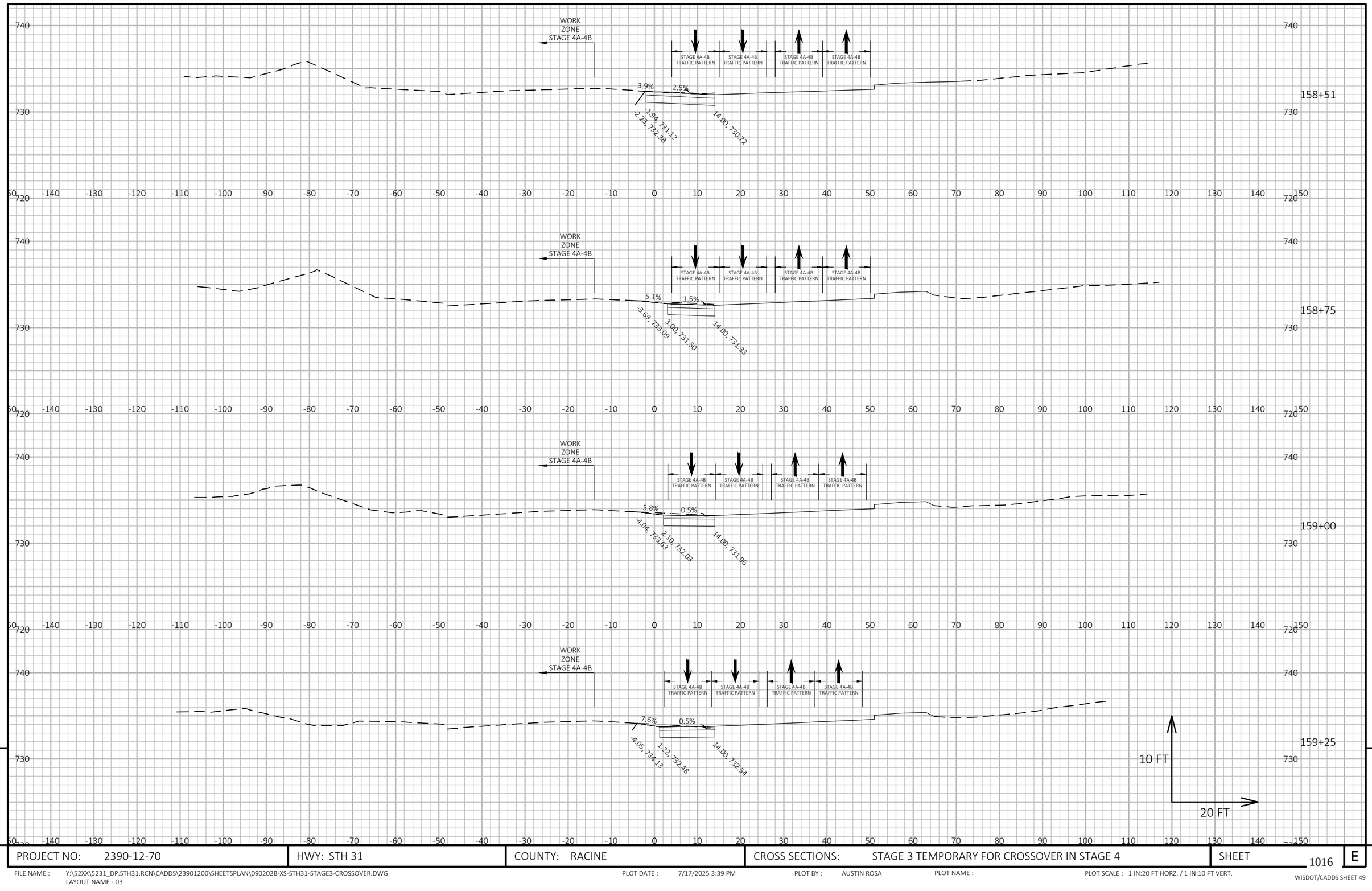
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 1015	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 02

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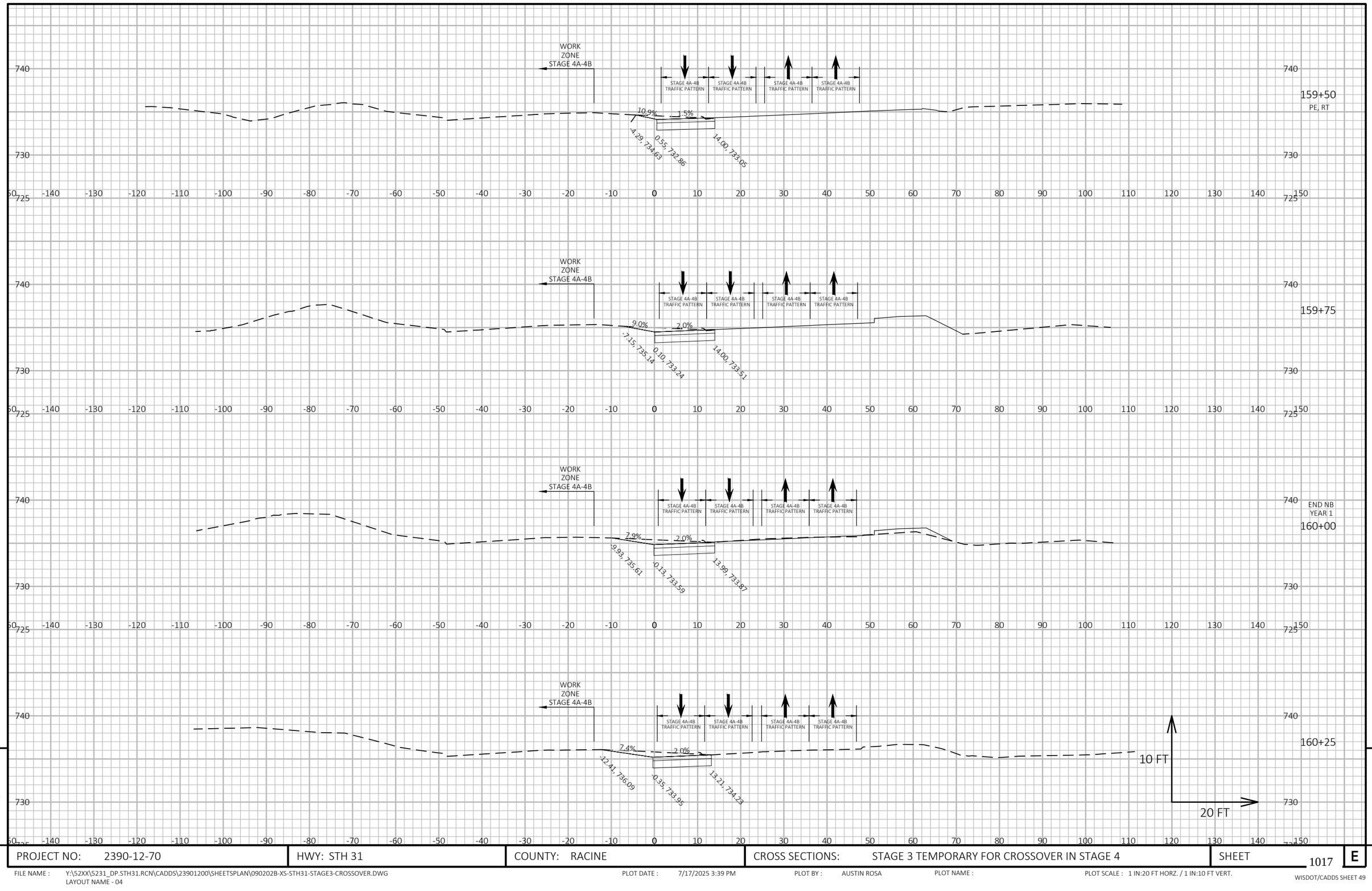
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 1016	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 03

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



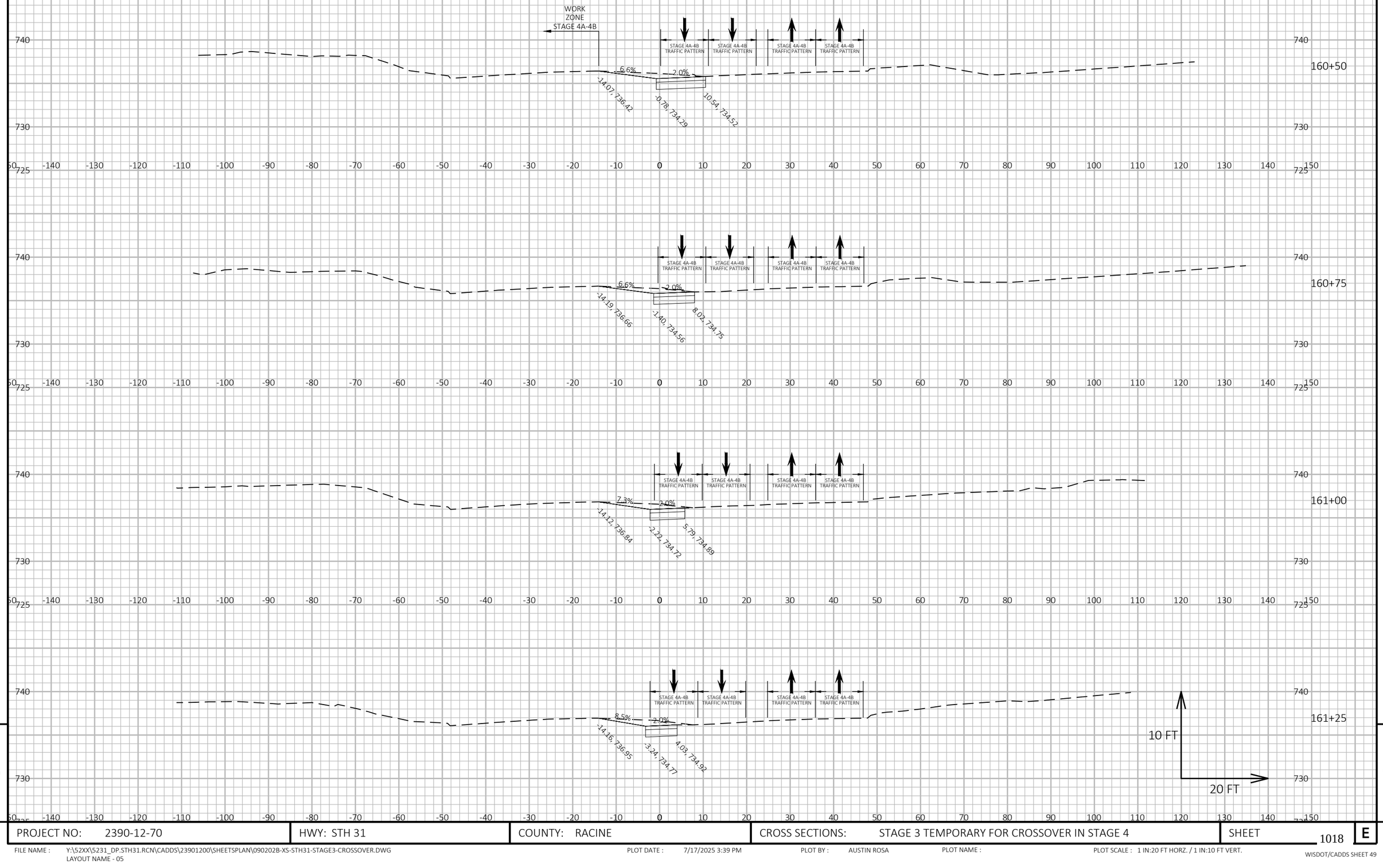
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 1017	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 04

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



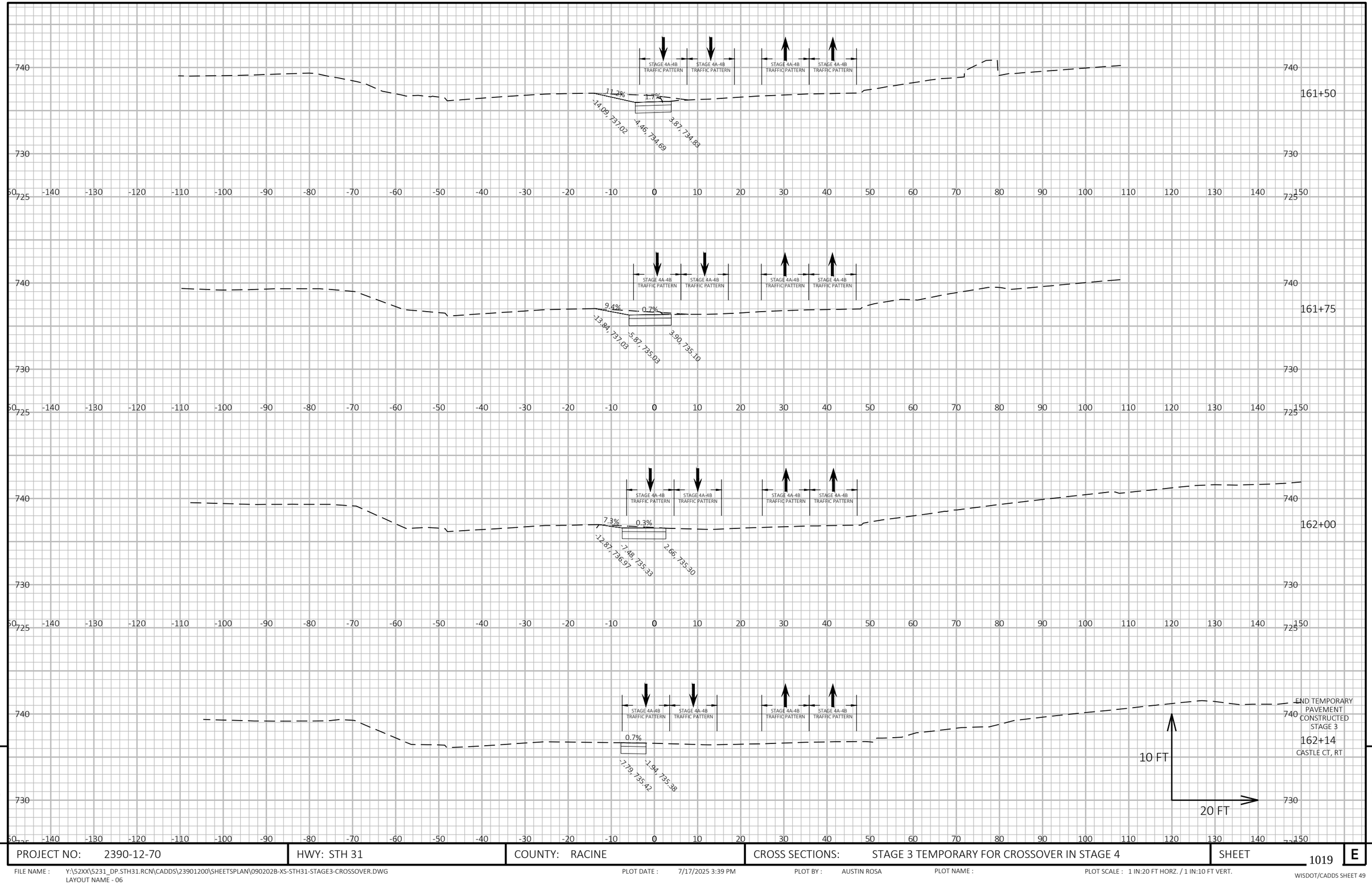
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 1018	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 05

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

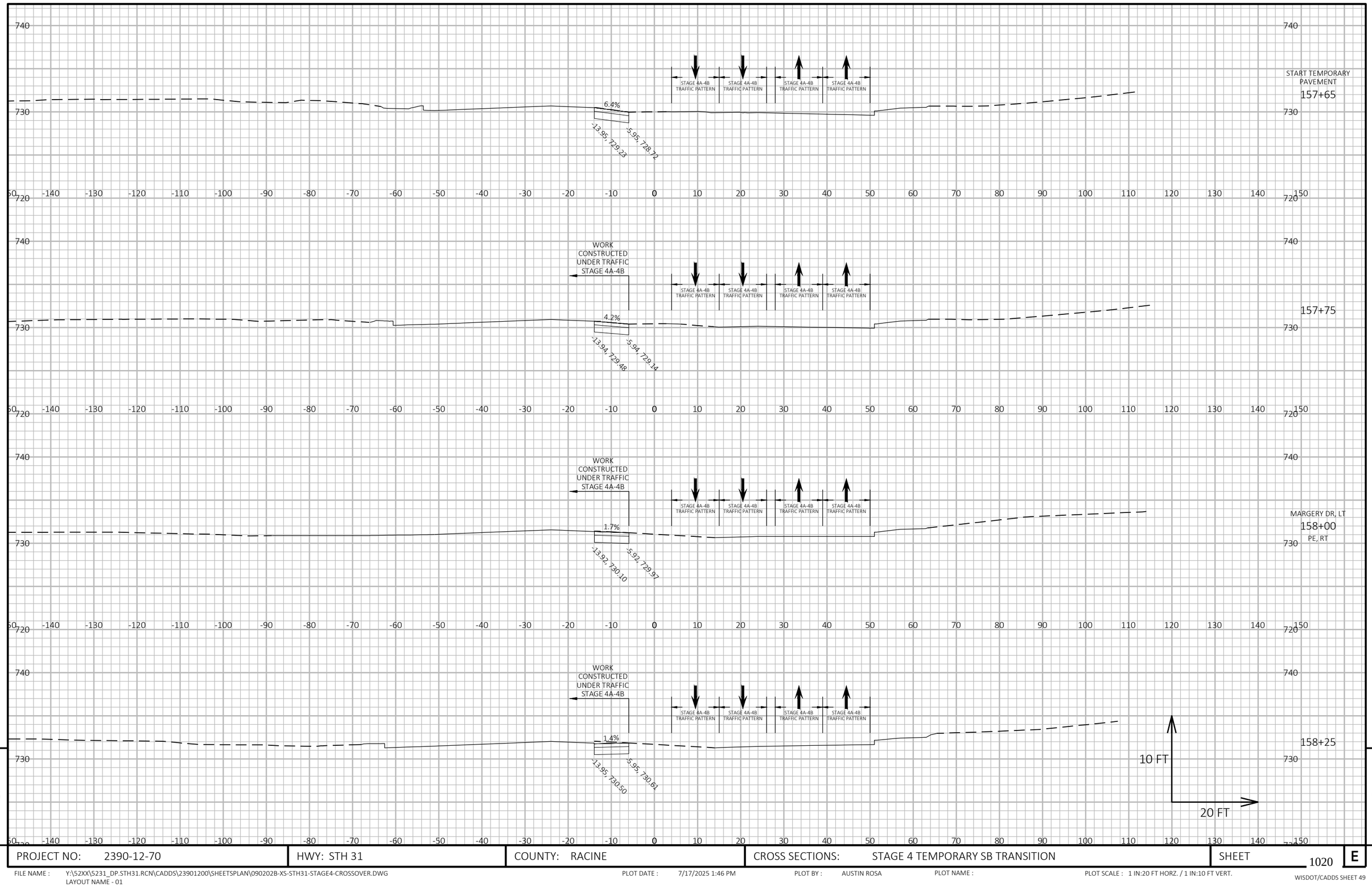
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 3 TEMPORARY FOR CROSSOVER IN STAGE 4	SHEET 1019	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE3-CROSSOVER.DWG
LAYOUT NAME - 06

PLOT DATE : 7/17/2025 3:39 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 4 TEMPORARY SB TRANSITION	SHEET 1020	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE4-CROSSOVER.DWG
LAYOUT NAME - 01

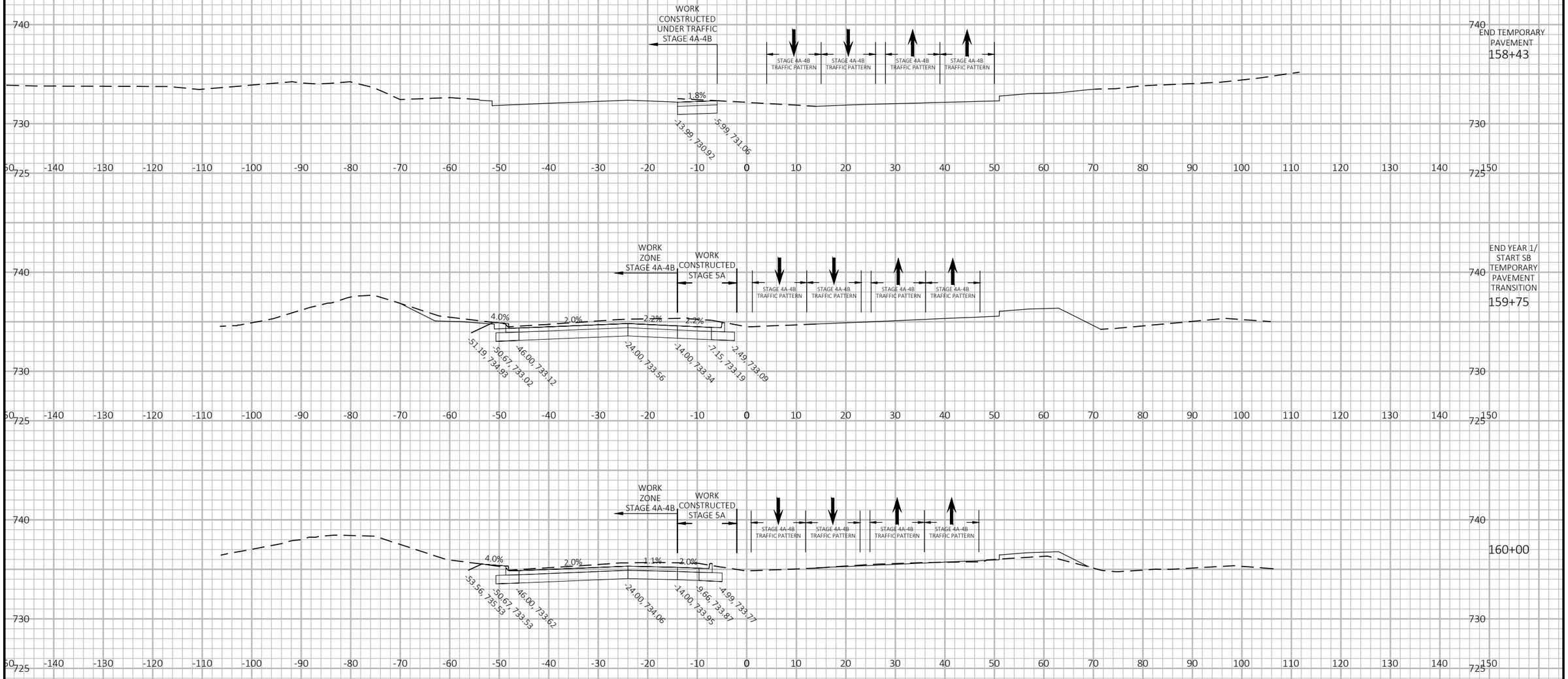
PLOT DATE : 7/17/2025 1:46 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

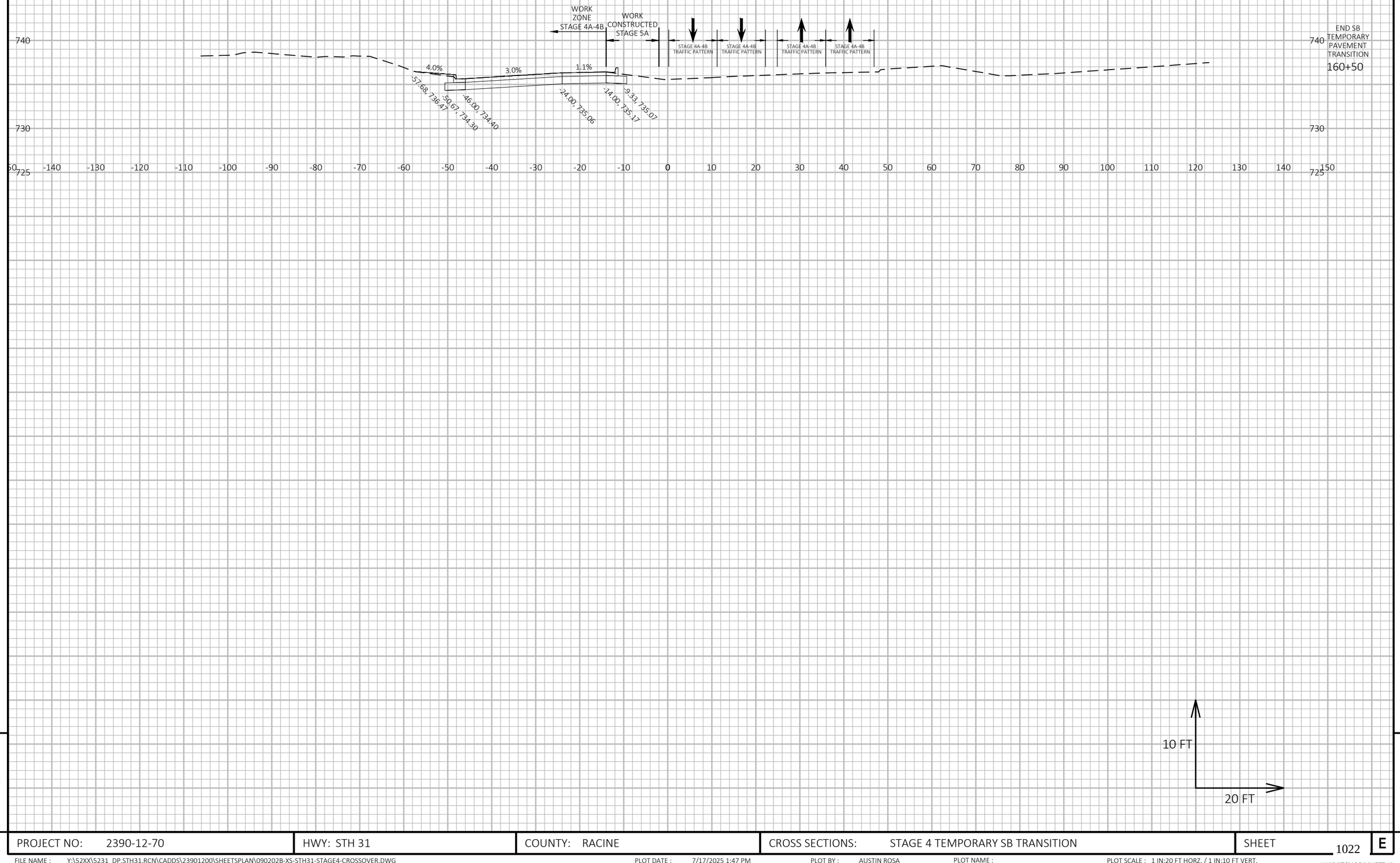


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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 4 TEMPORARY SB TRANSITION	SHEET 1021	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE4-CROSSOVER.DWG
LAYOUT NAME - 02
PLOT DATE : 7/17/2025 1:46 PM
PLOT BY : AUSTIN ROSA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

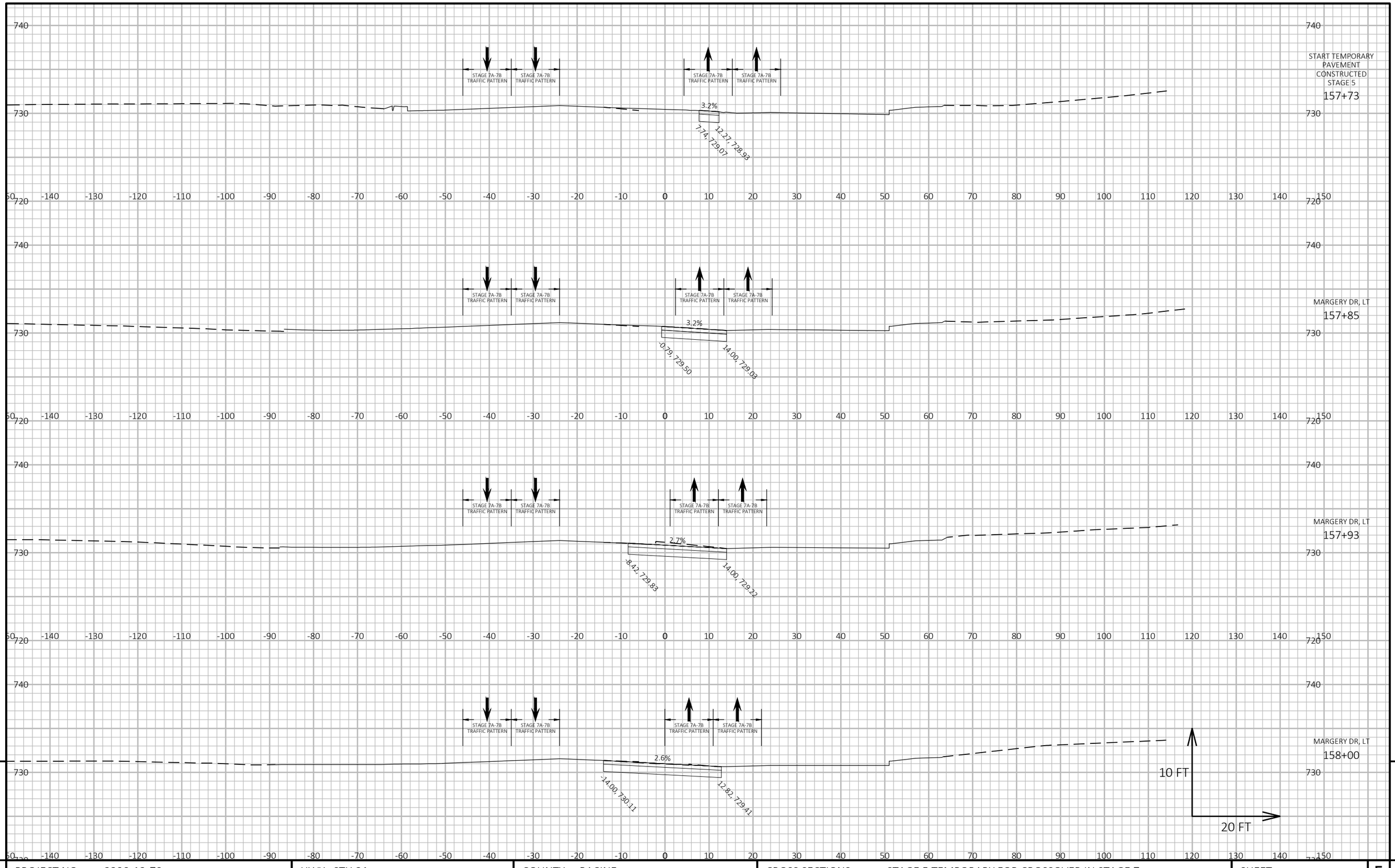


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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 4 TEMPORARY SB TRANSITION	SHEET 1022	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE4-CROSSOVER.DWG
LAYOUT NAME - 03
PLOT DATE : 7/17/2025 1:47 PM
PLOT BY : AUSTIN ROSA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

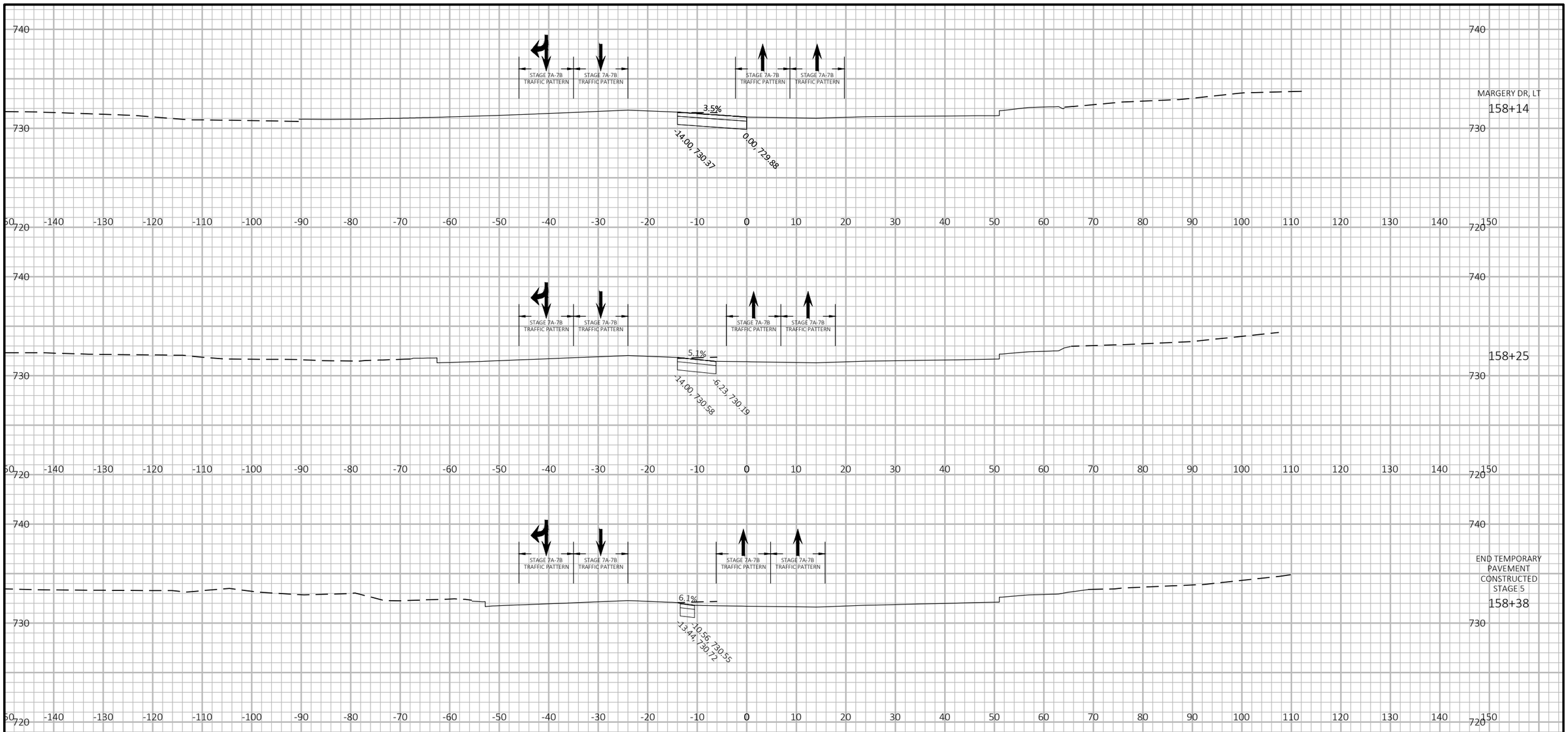
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 5 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1023	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 01

PLOT DATE : 7/18/2025 10:13 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

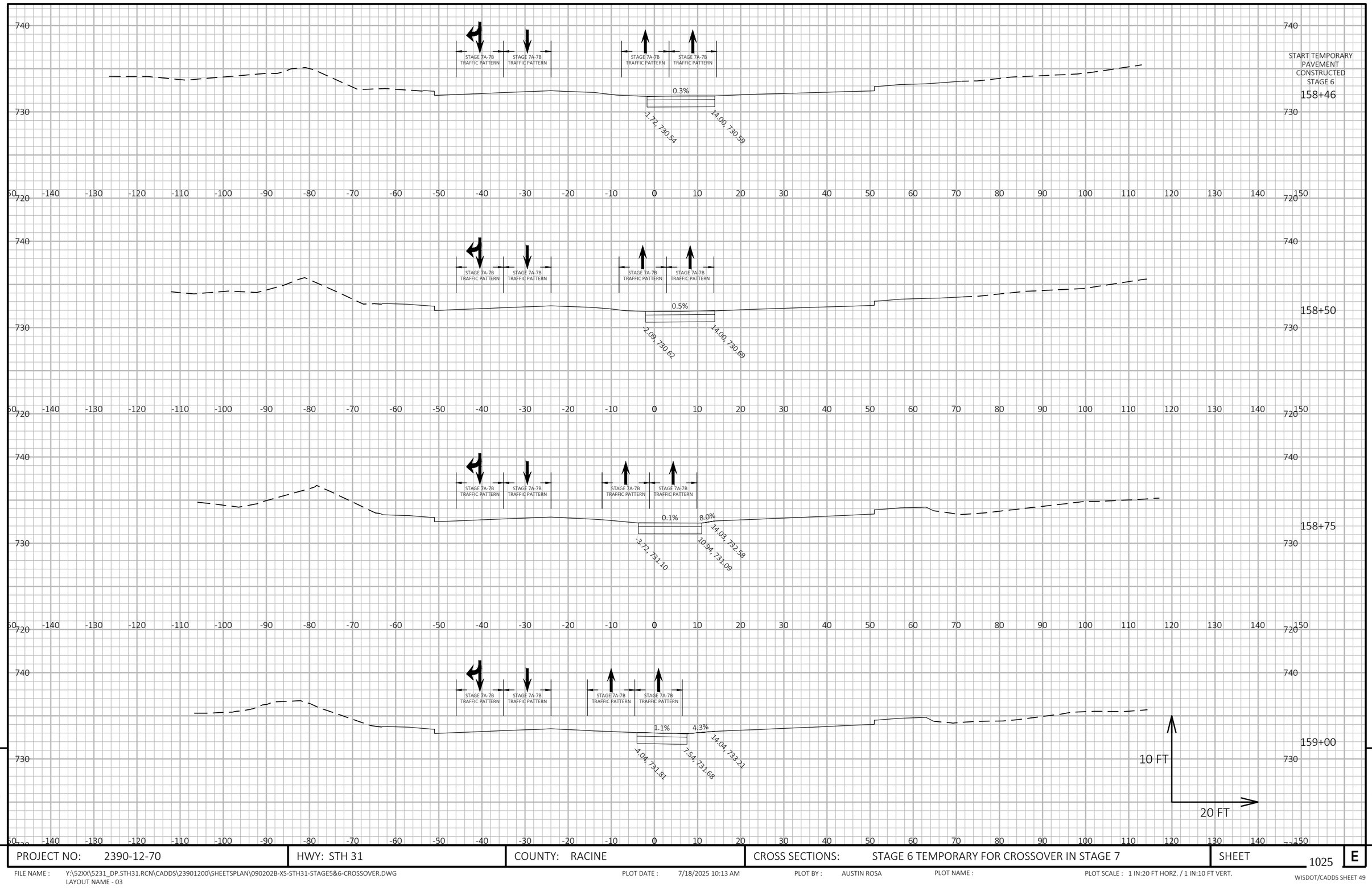
WISDOT/CADDS SHEET 49



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 5 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1024 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 02

PLOT DATE : 7/18/2025 10:13 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1025	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 03

PLOT DATE : 7/18/2025 10:13 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



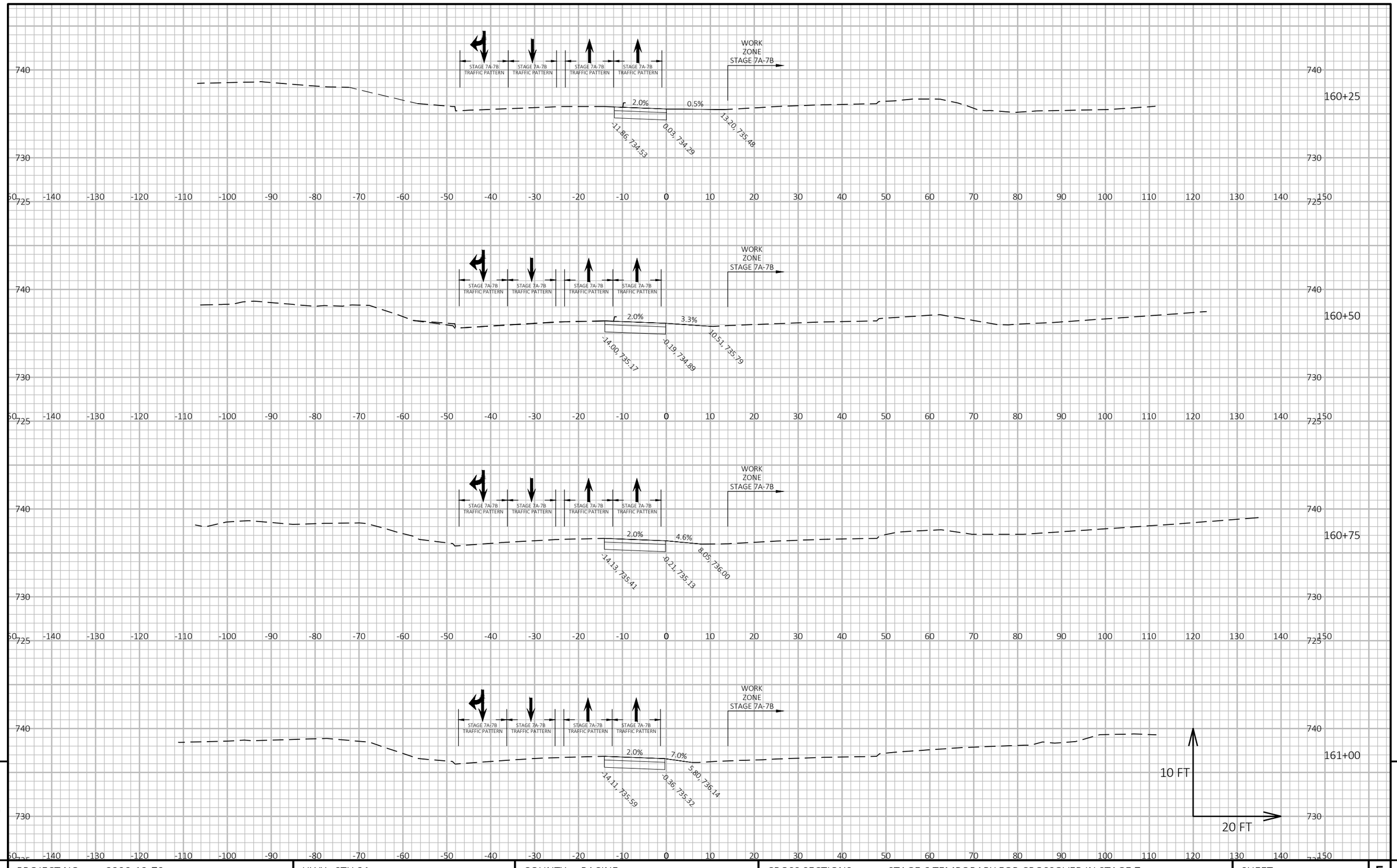
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1026	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 04

PLOT DATE : 7/18/2025 10:13 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



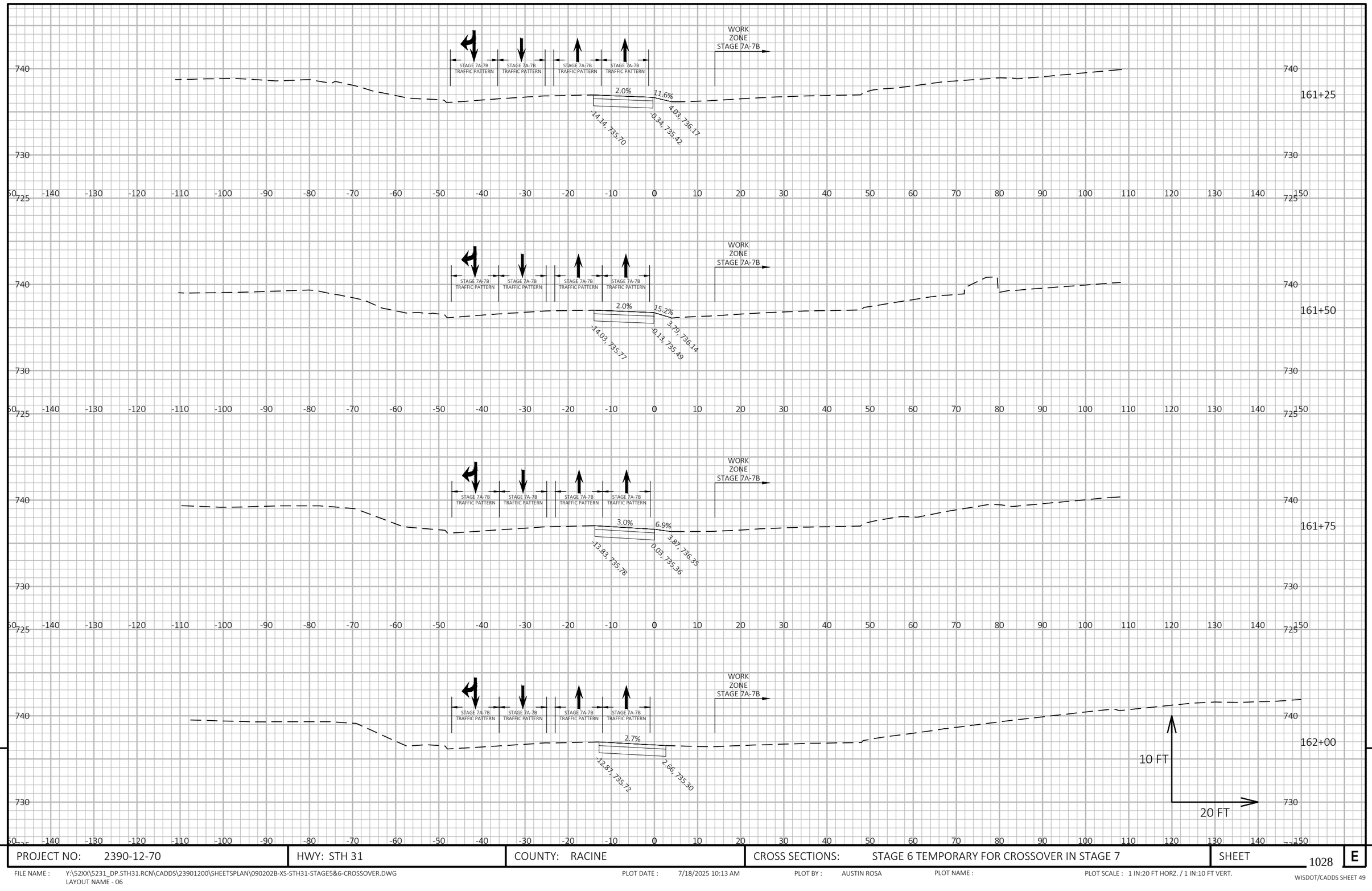
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1027	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 05

PLOT DATE : 7/18/2025 10:13 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

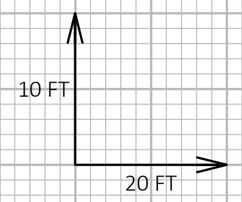
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1028	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 06

PLOT DATE : 7/18/2025 10:13 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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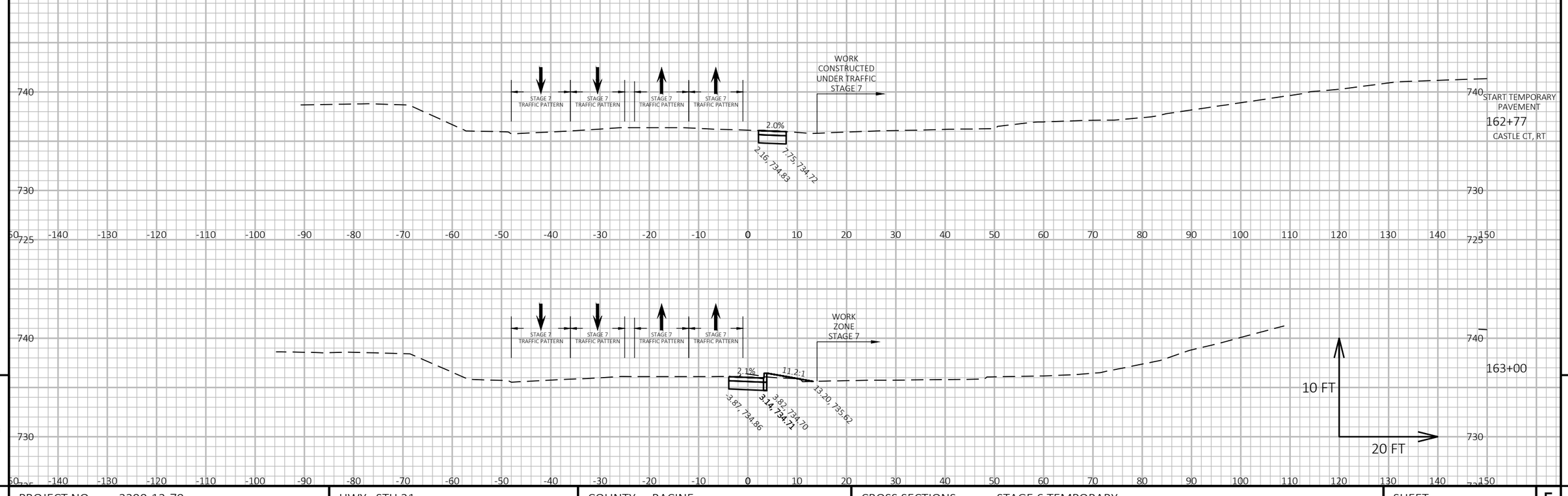
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1029	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 07

PLOT DATE : 7/18/2025 10:13 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

SEE CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7
STA 158+46 TO STA 162+15



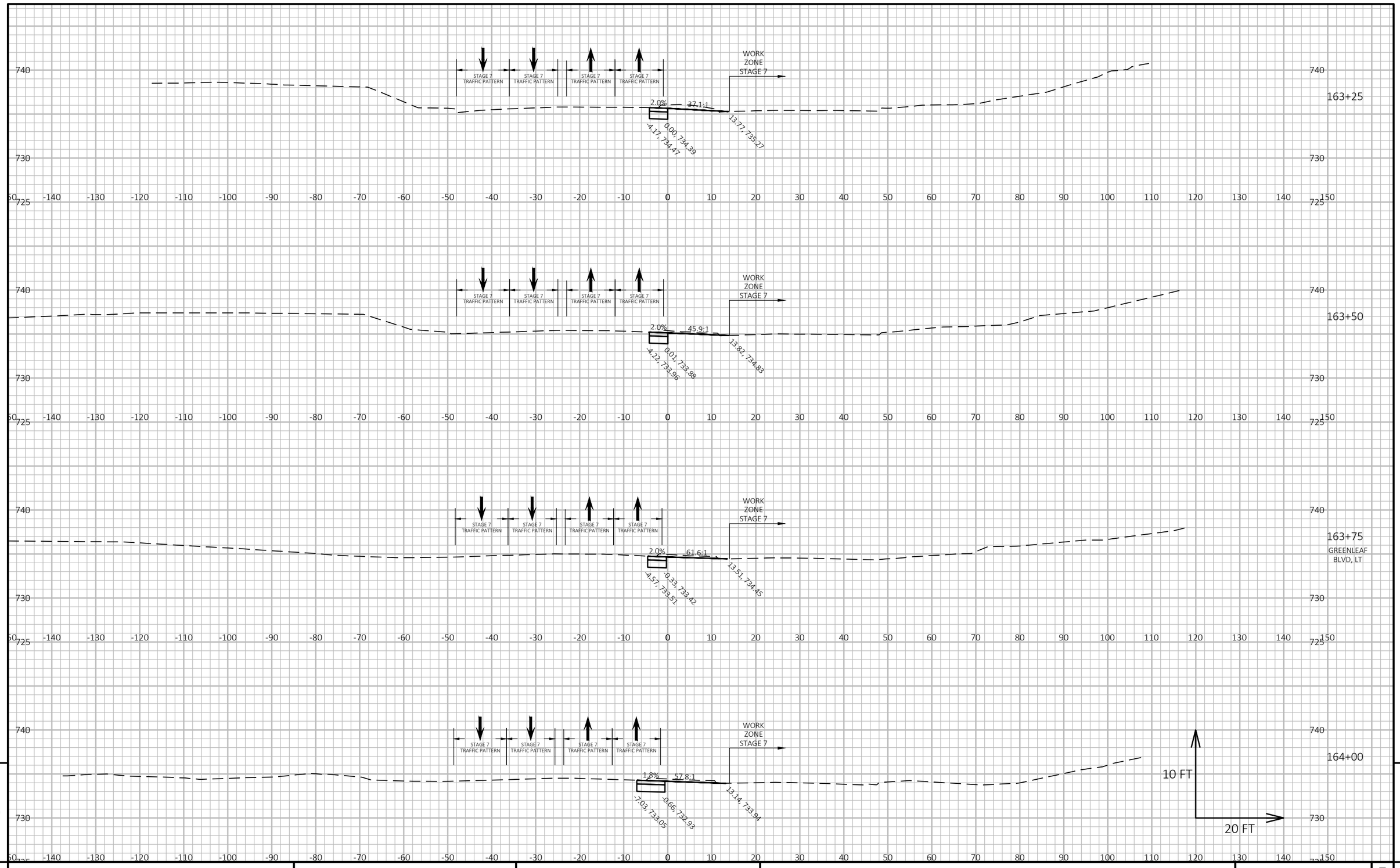
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1030	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 38

PLOT DATE : 7/17/2025 4:15 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1031	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 39

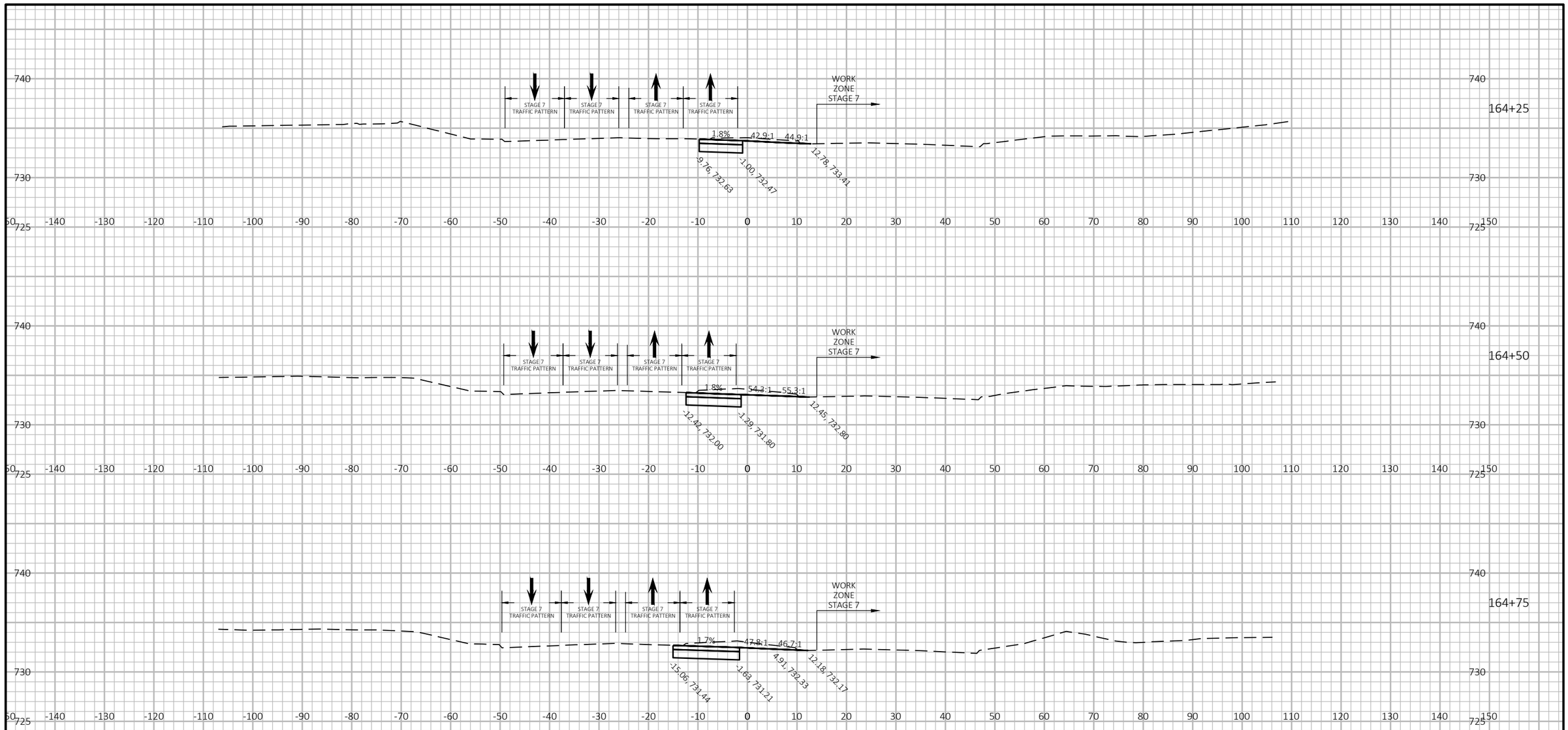
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1032	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 40

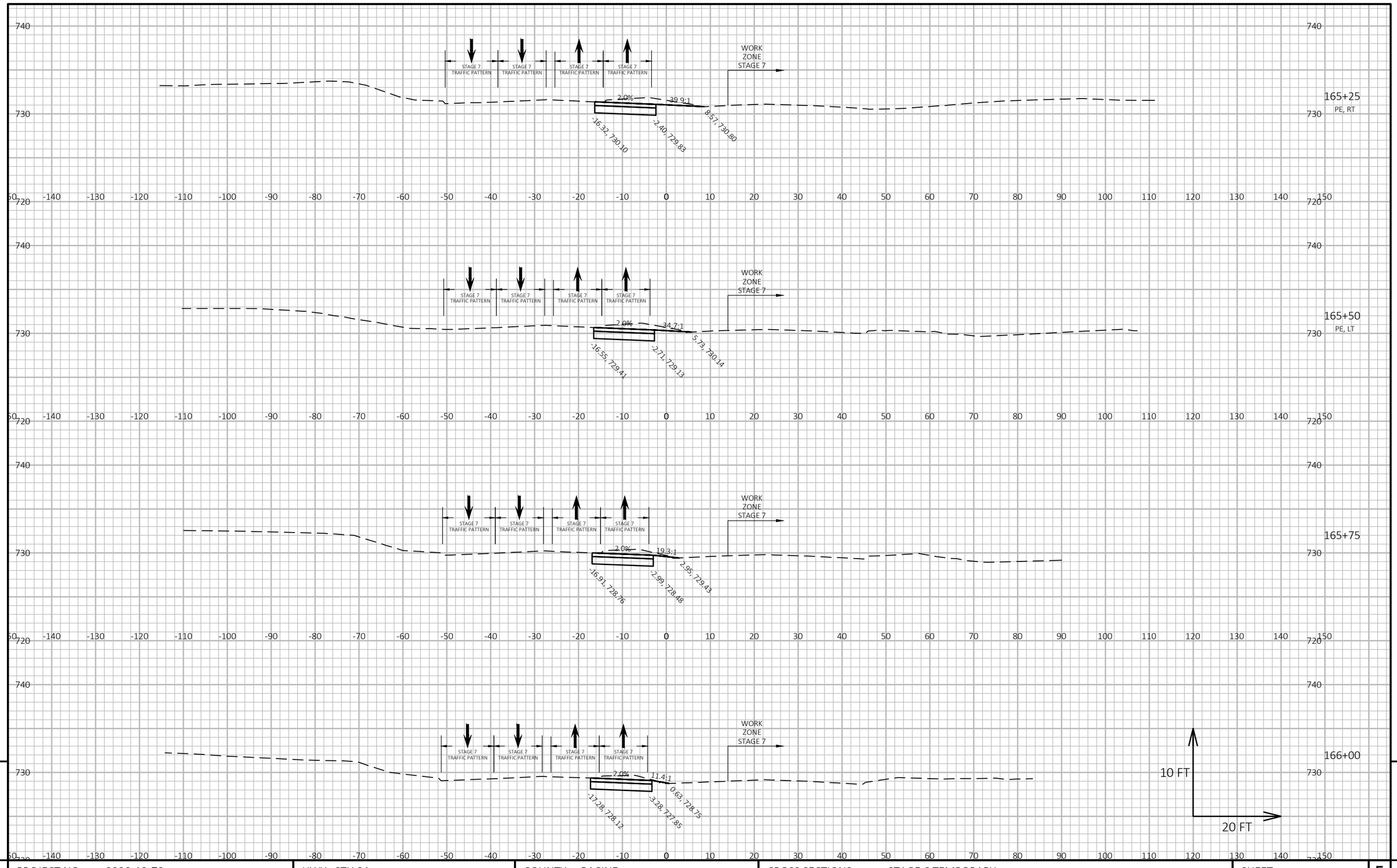
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



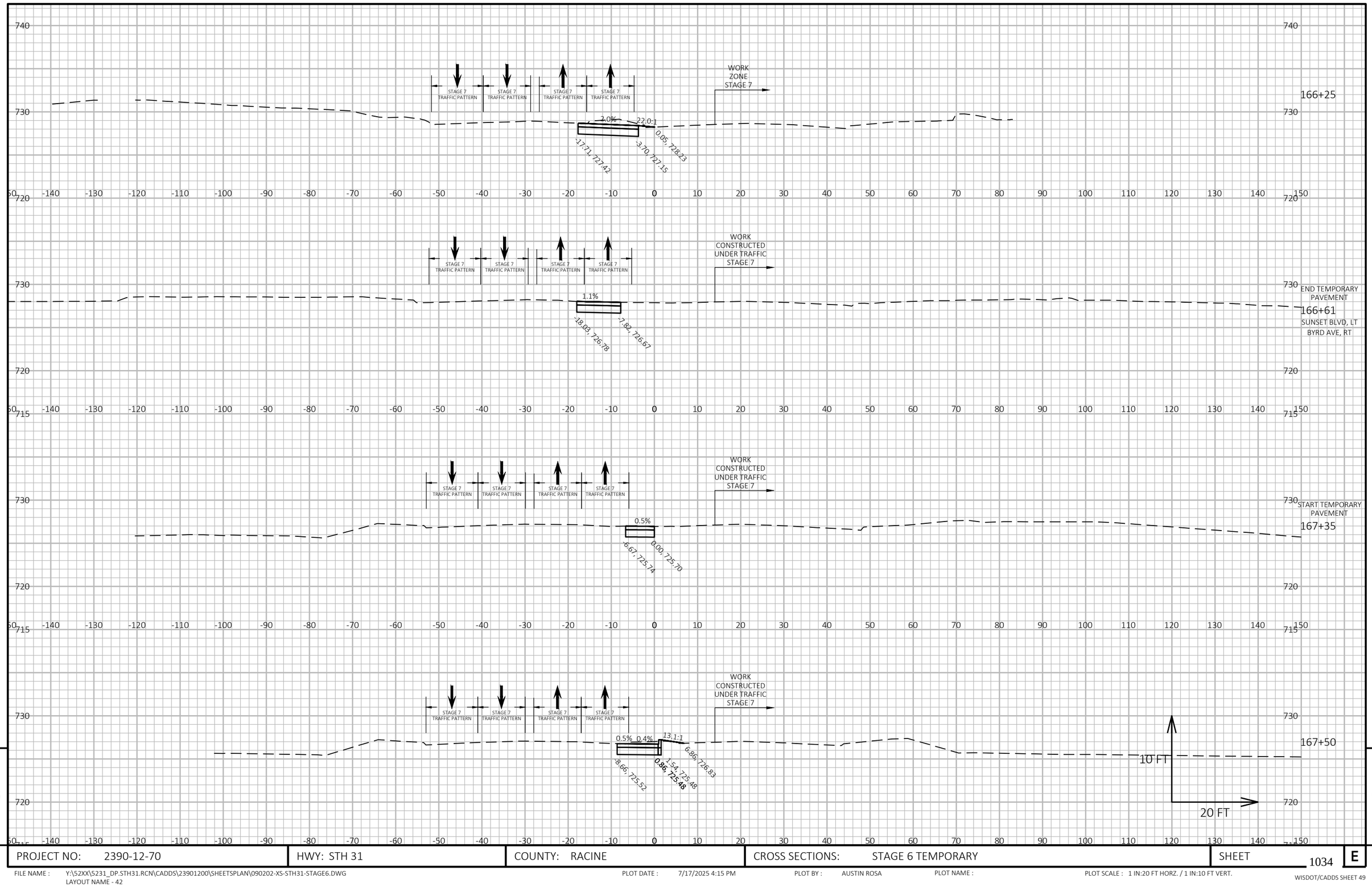
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1033	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 41

PLOT DATE : 7/17/2025 4:15 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1034	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 42

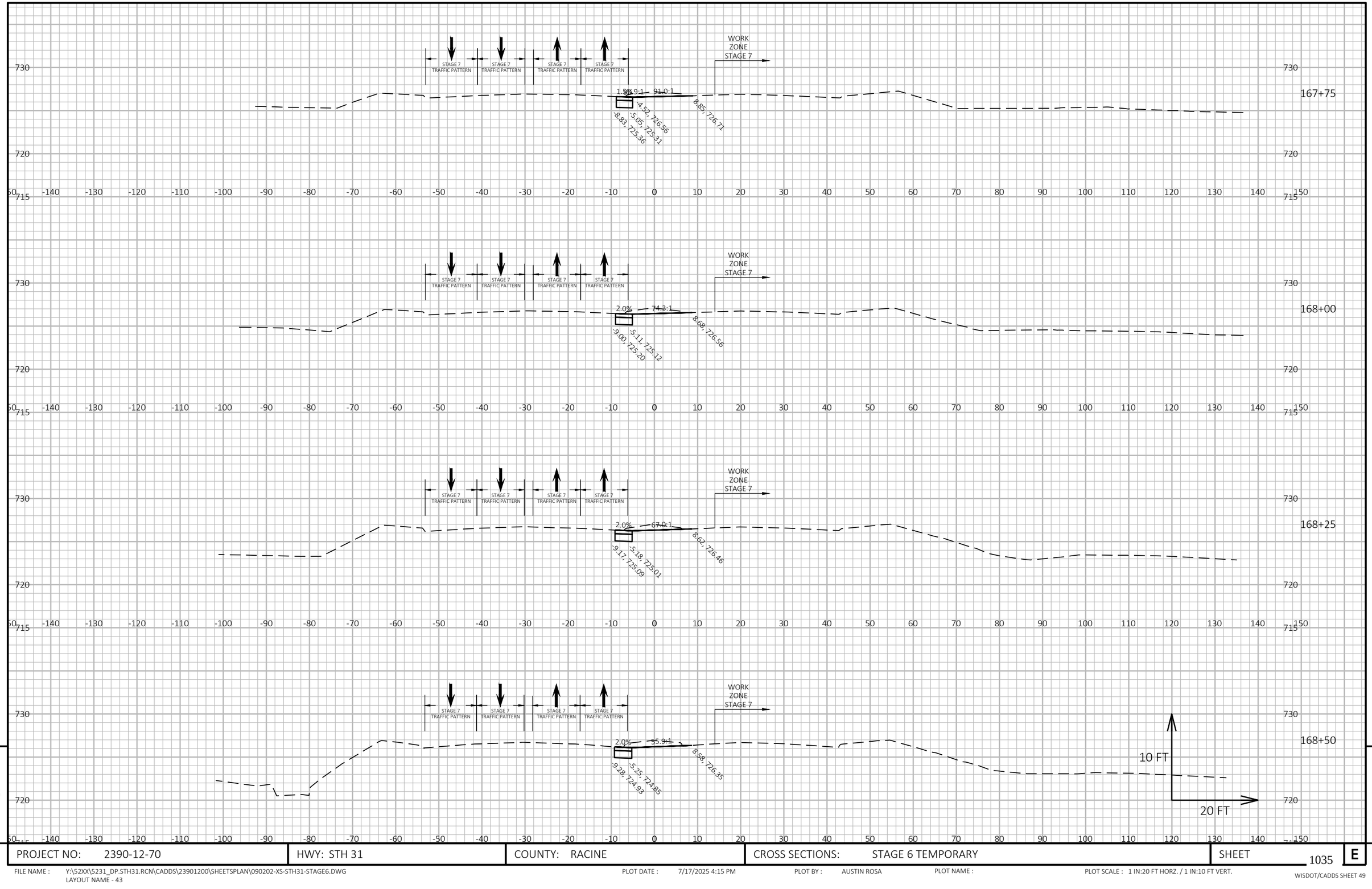
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1035 E

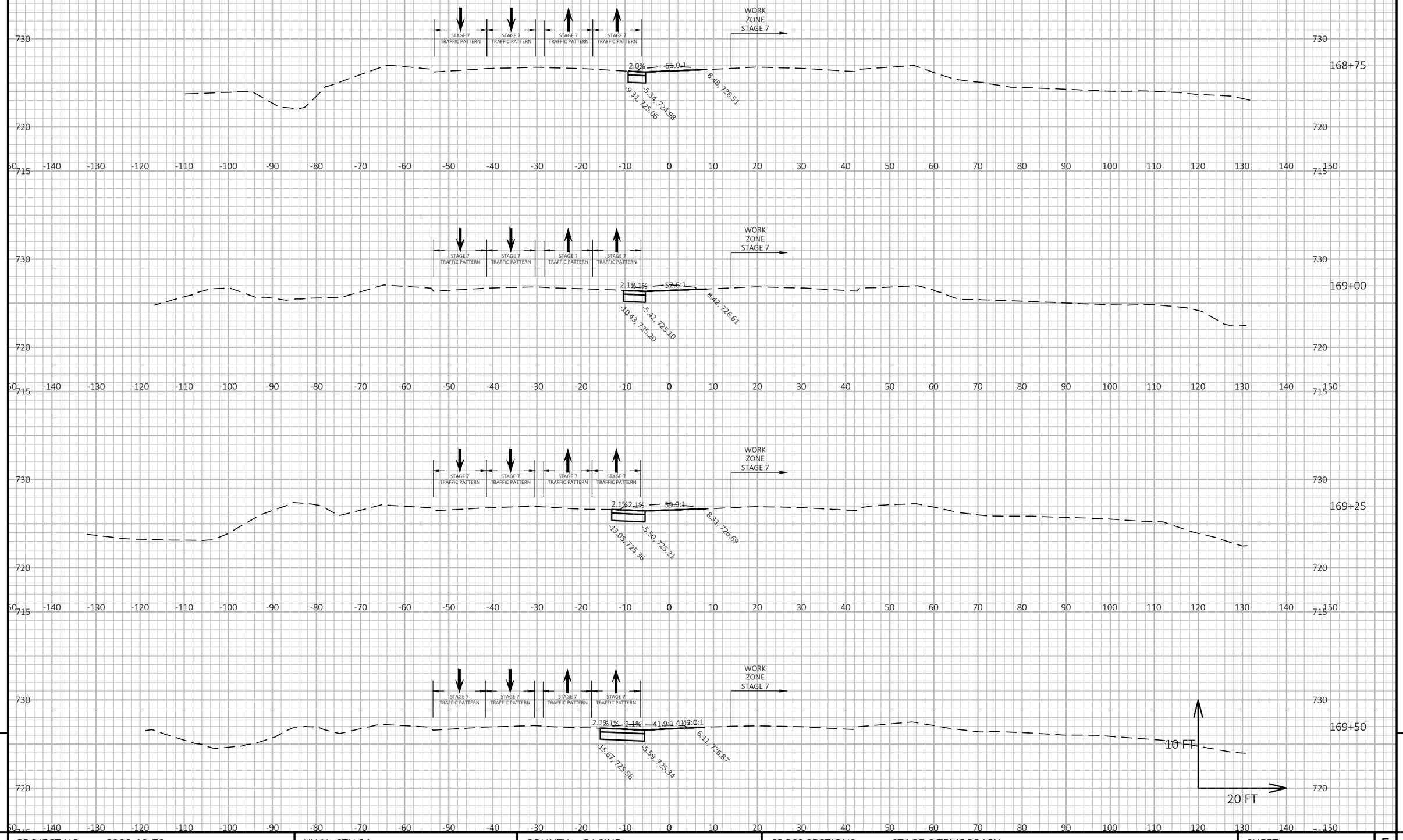
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LAYOUT NAME - 43

PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1036	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 44

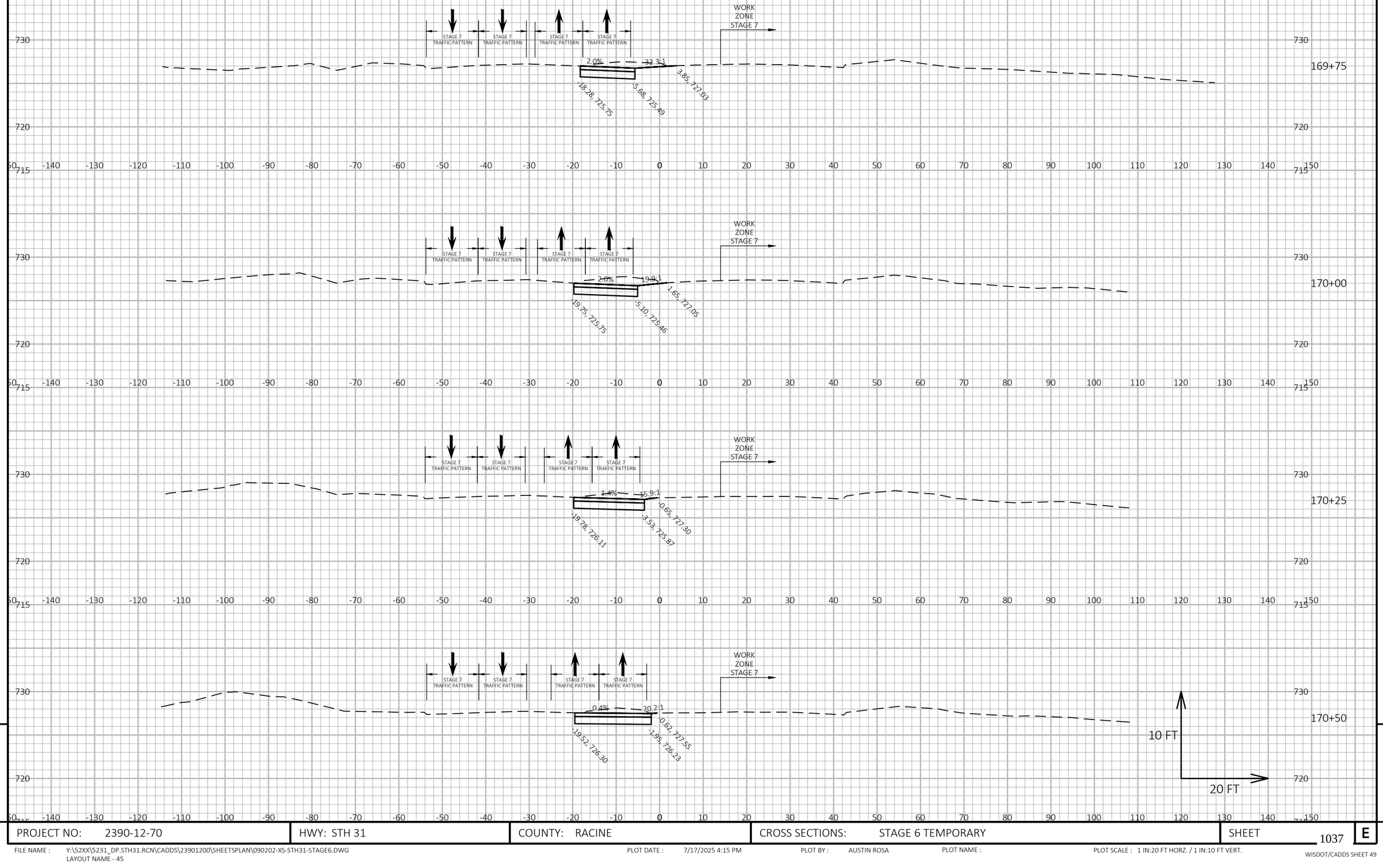
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1037	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 45

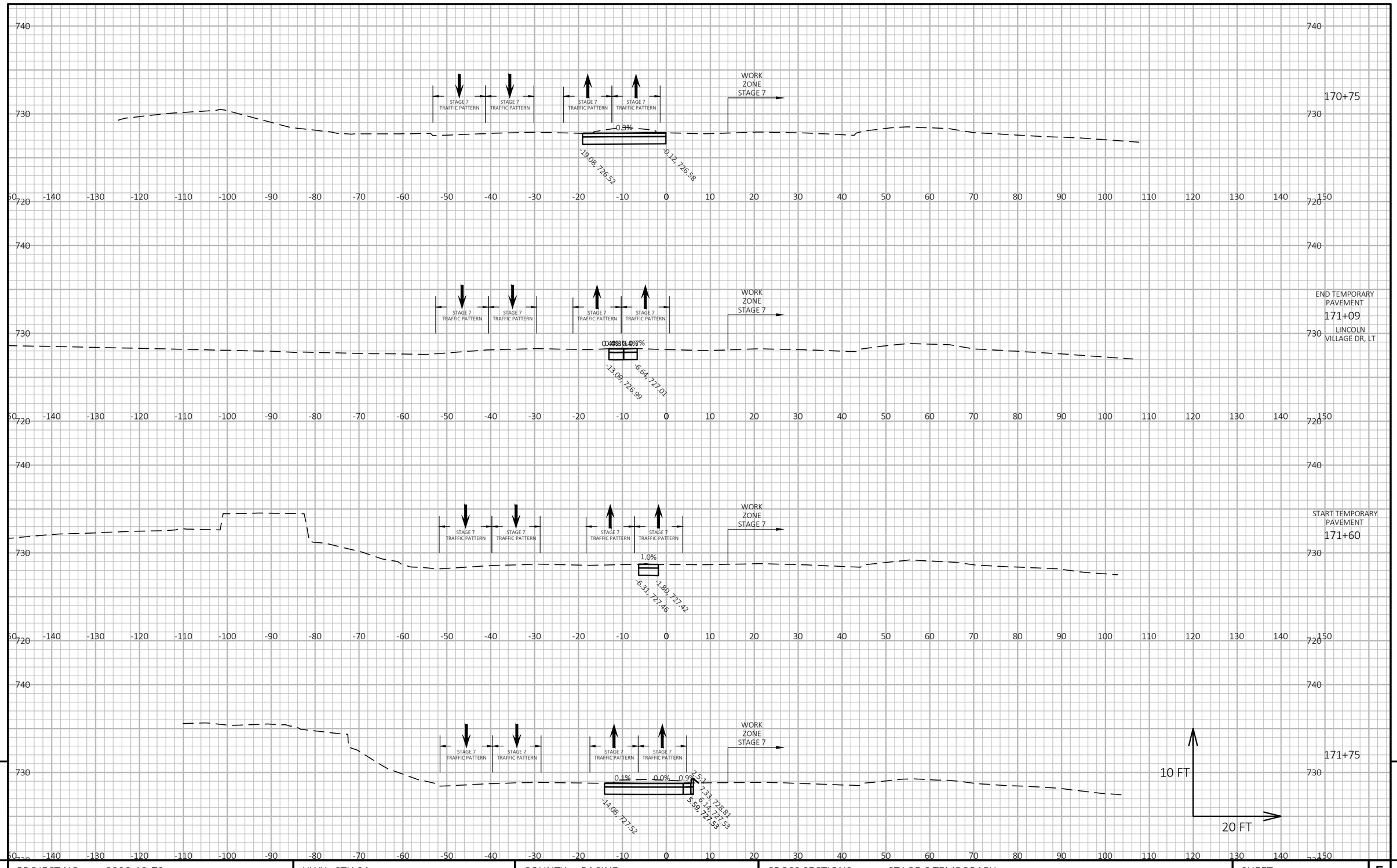
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1038	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 46

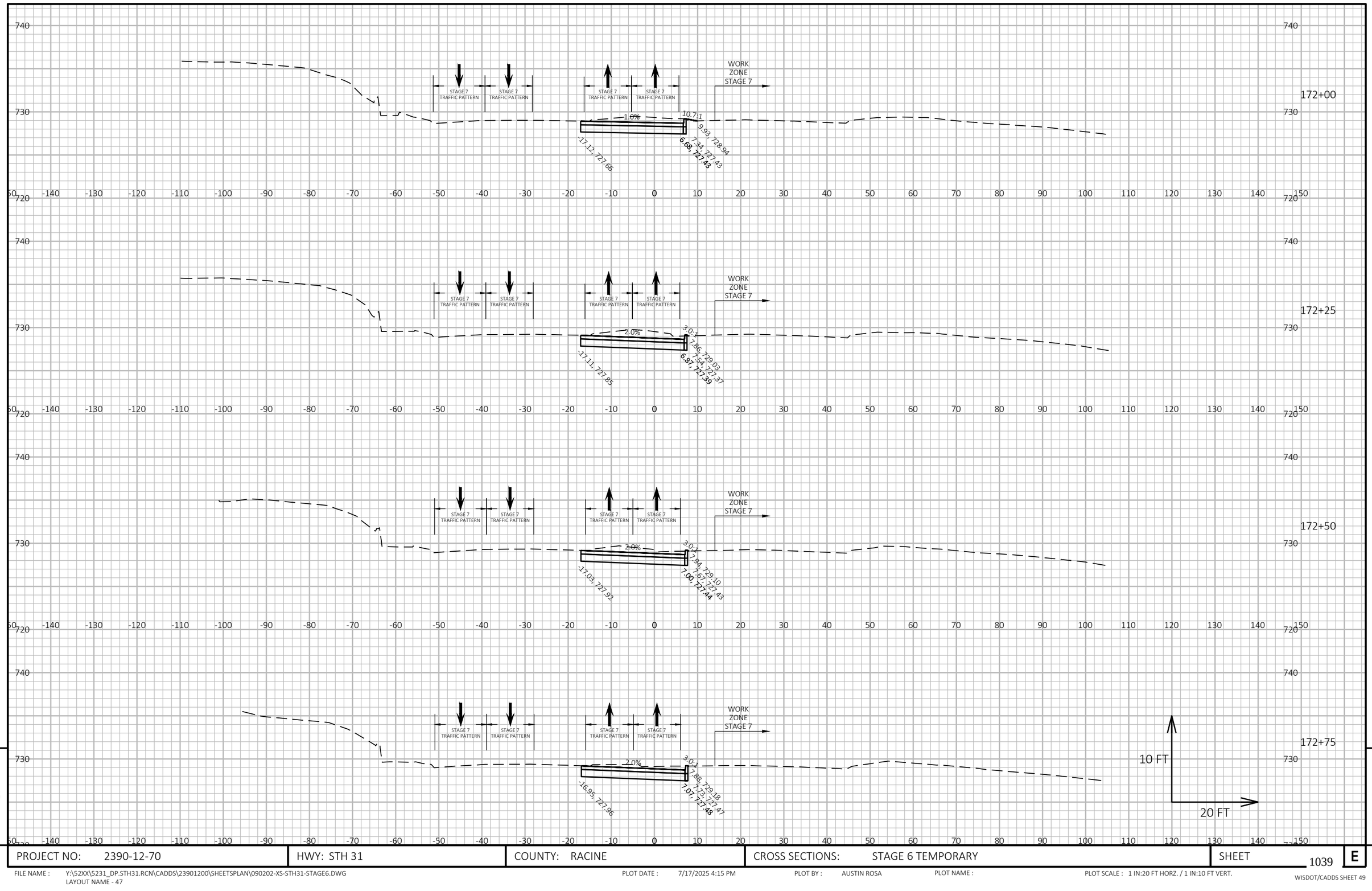
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

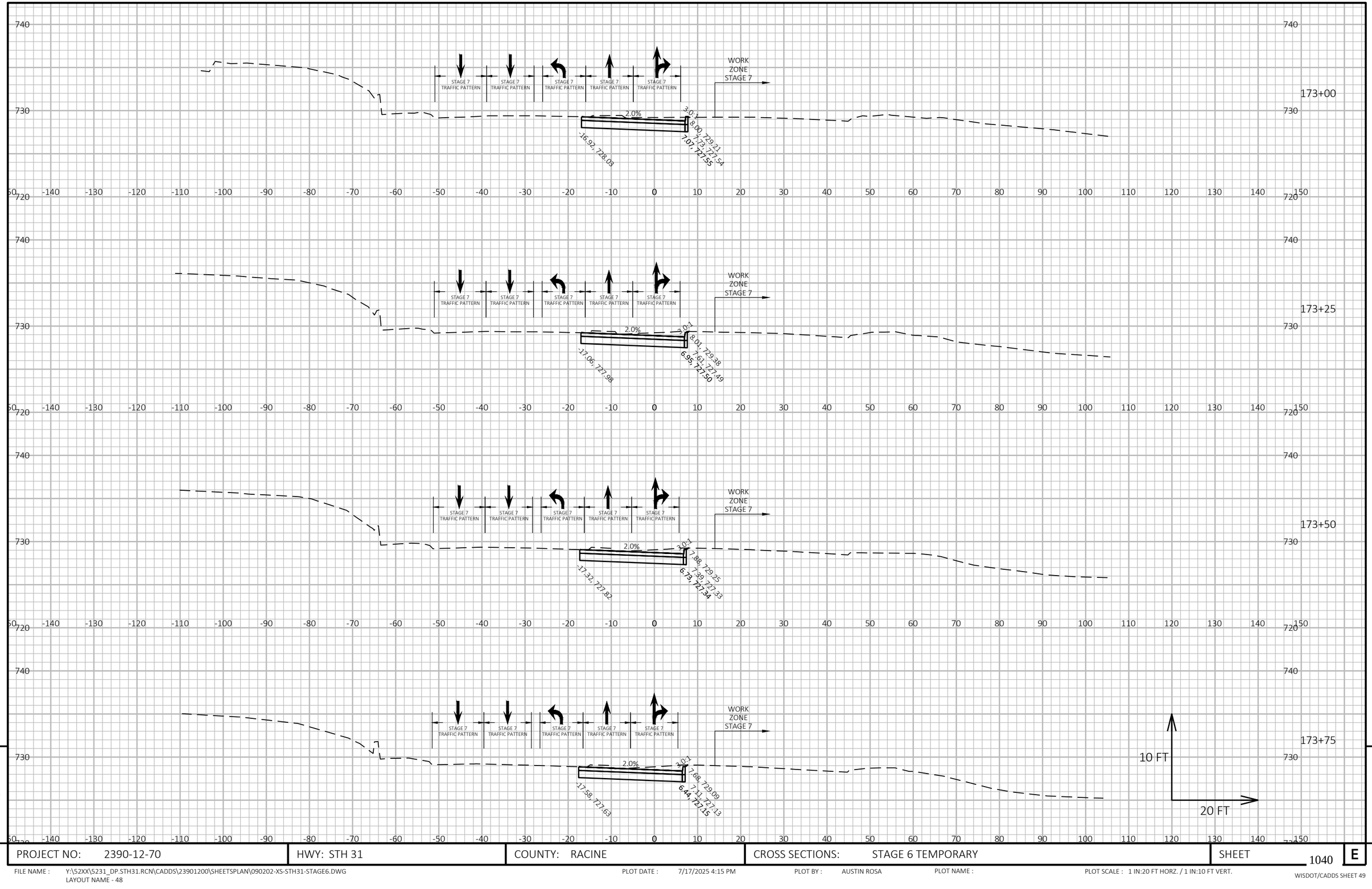


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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1039	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 47
PLOT DATE : 7/17/2025 4:15 PM
PLOT BY : AUSTIN ROSA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1040	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 48

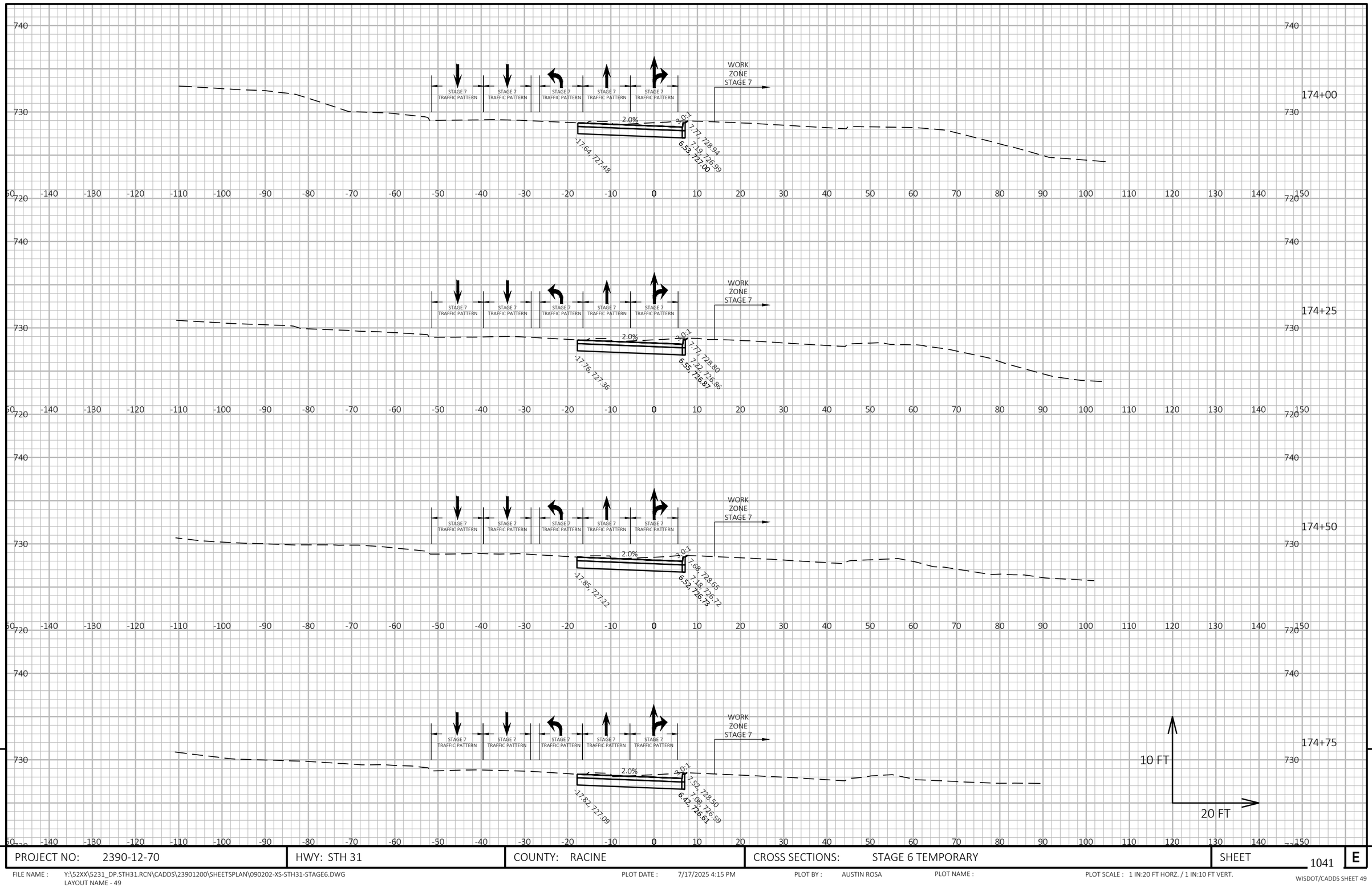
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1041 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 49

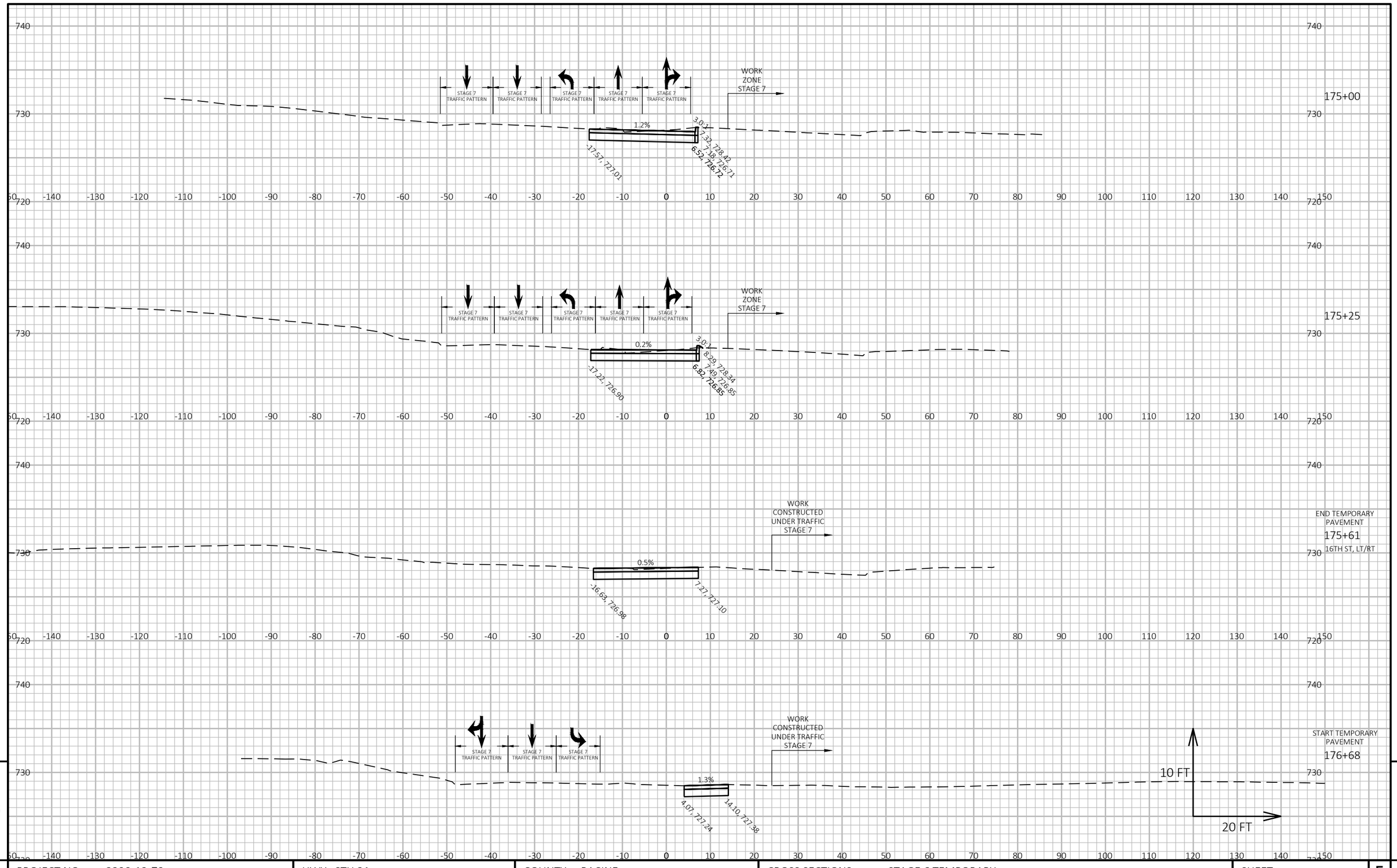
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

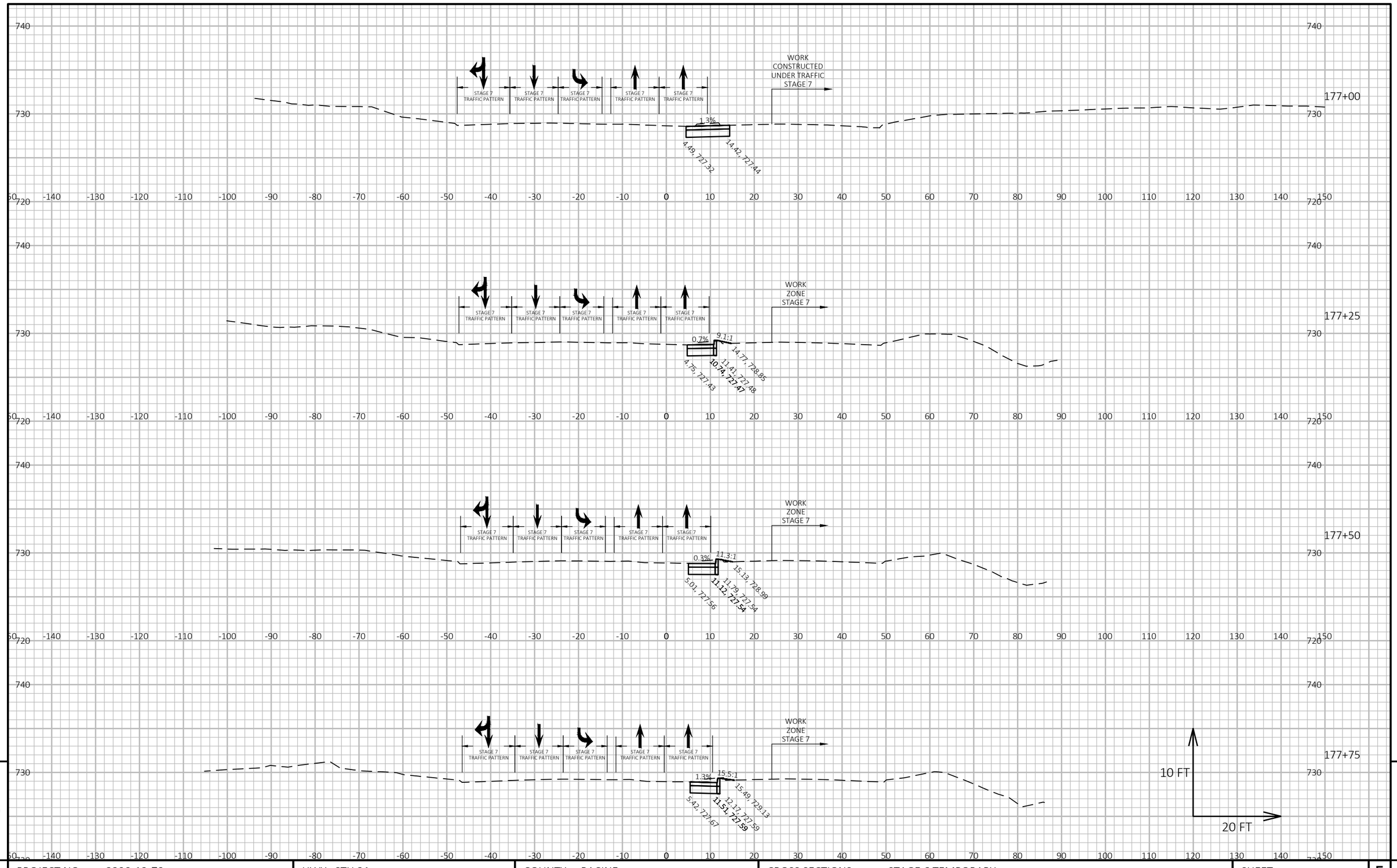
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1042	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 50

PLOT DATE : 7/17/2025 4:15 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1043	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 51

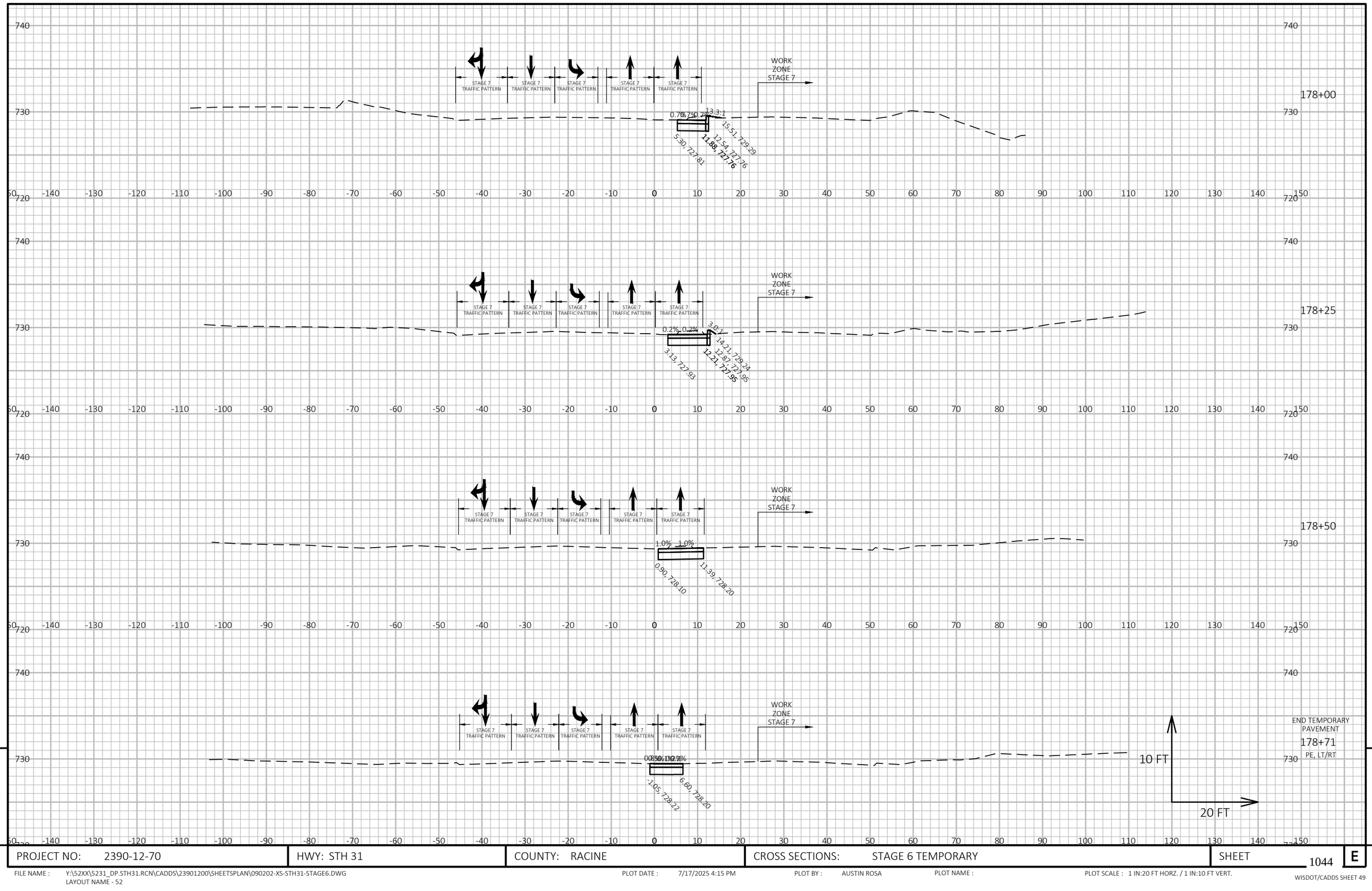
PLOT DATE : 7/17/2025 4:15 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

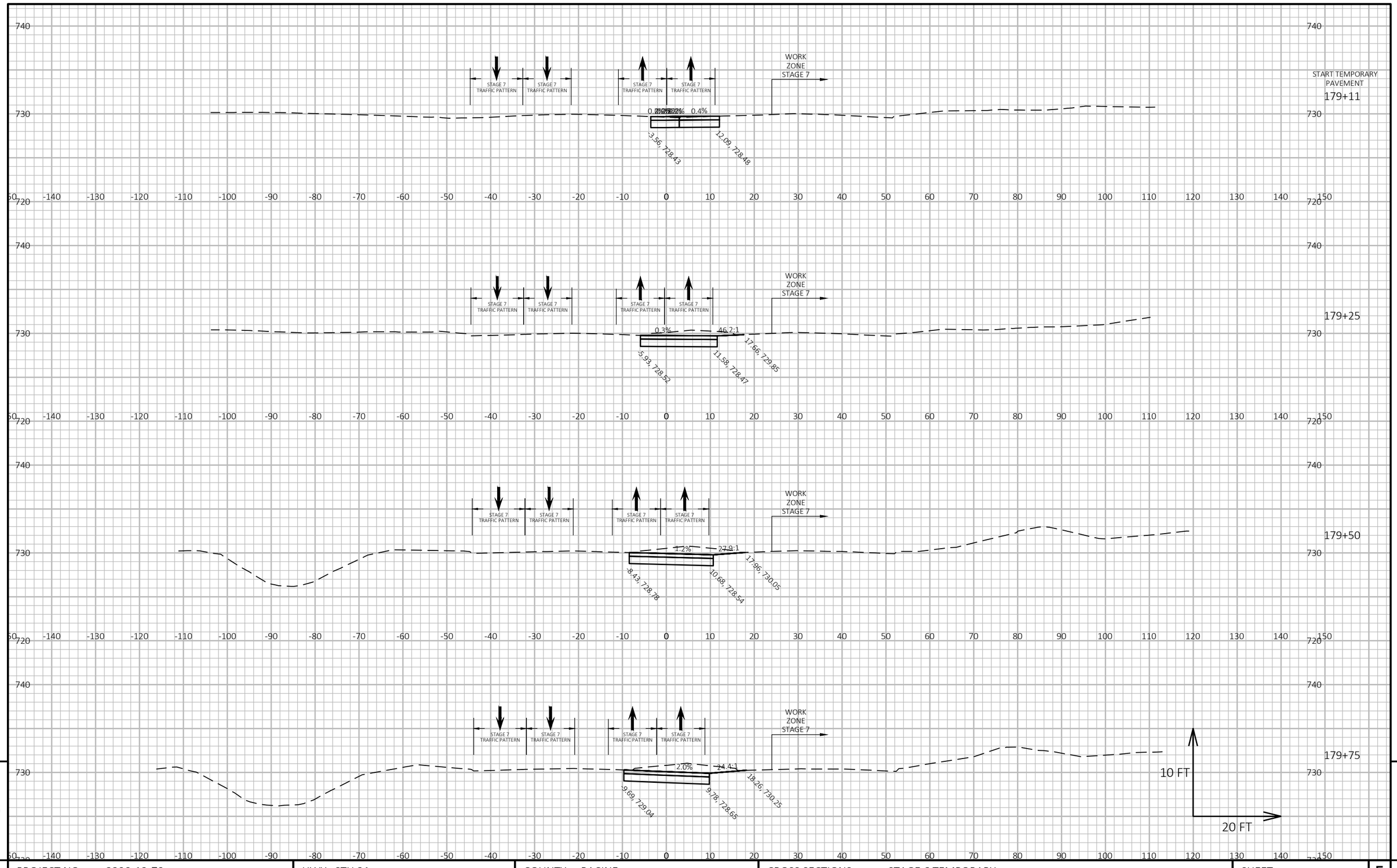
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1044	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 52
PLOT DATE : 7/17/2025 4:15 PM
PLOT BY : AUSTIN ROSA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1045	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 53

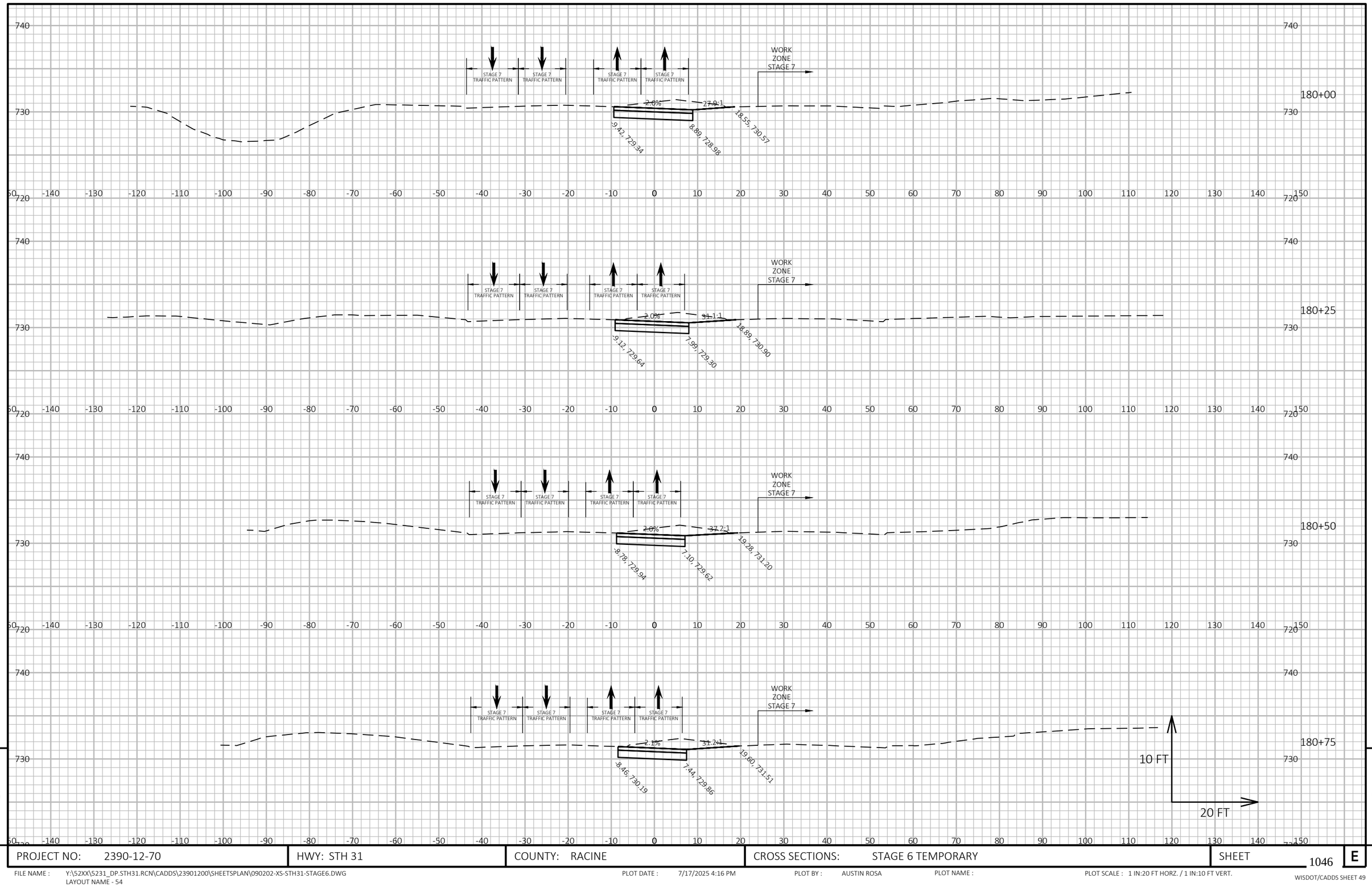
PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1046	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 54

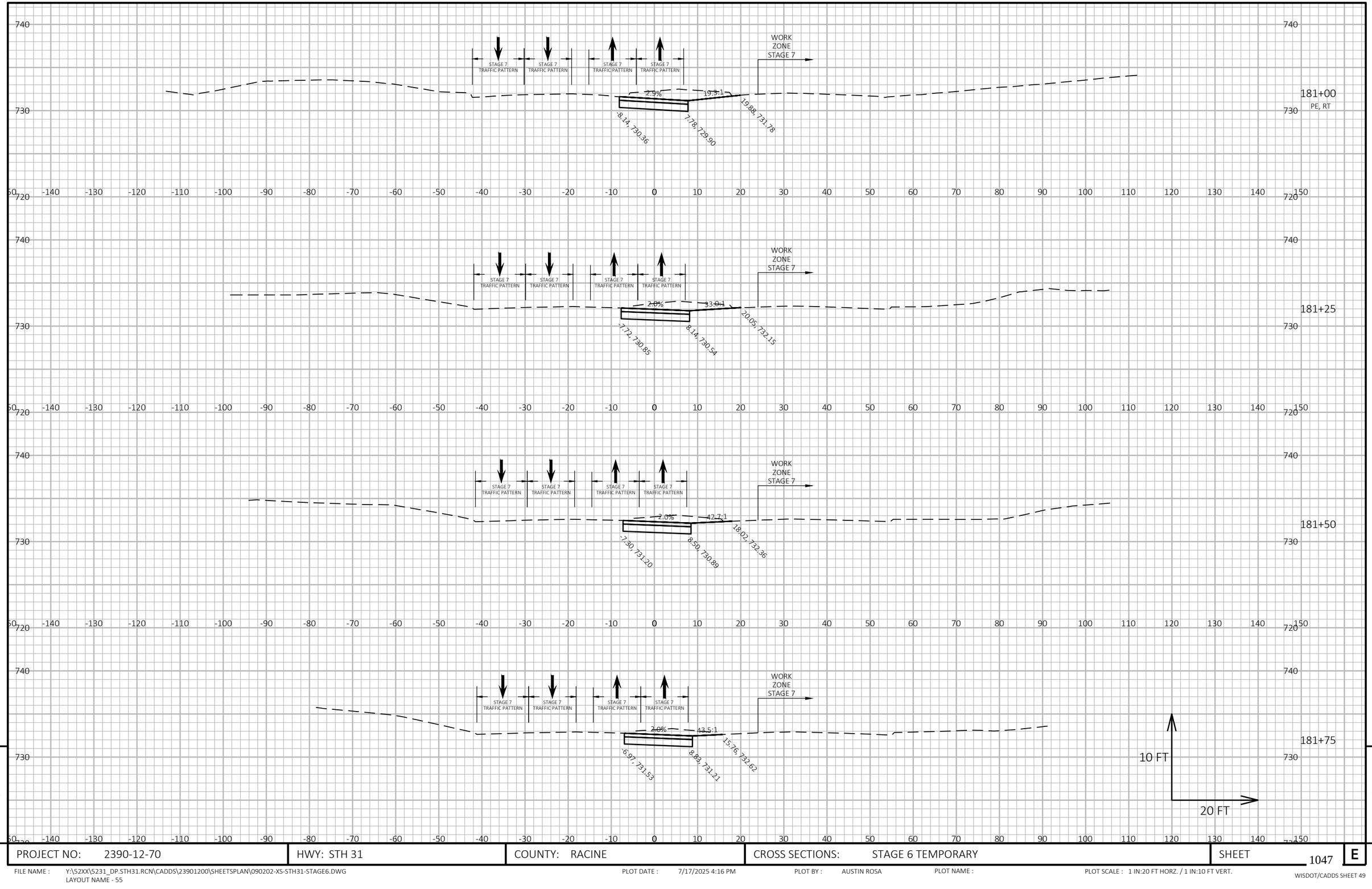
PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

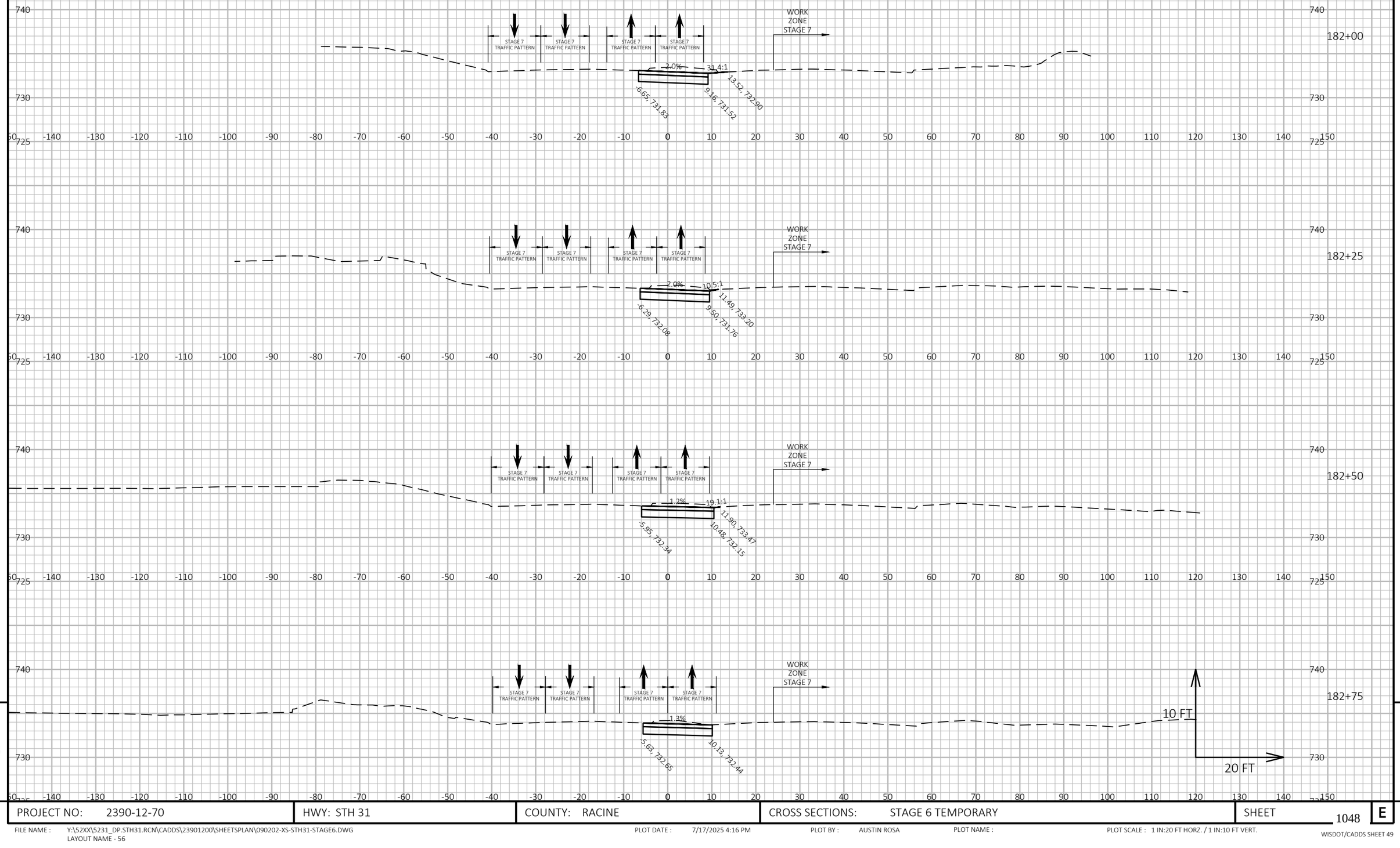
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1047	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 55

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1048	E

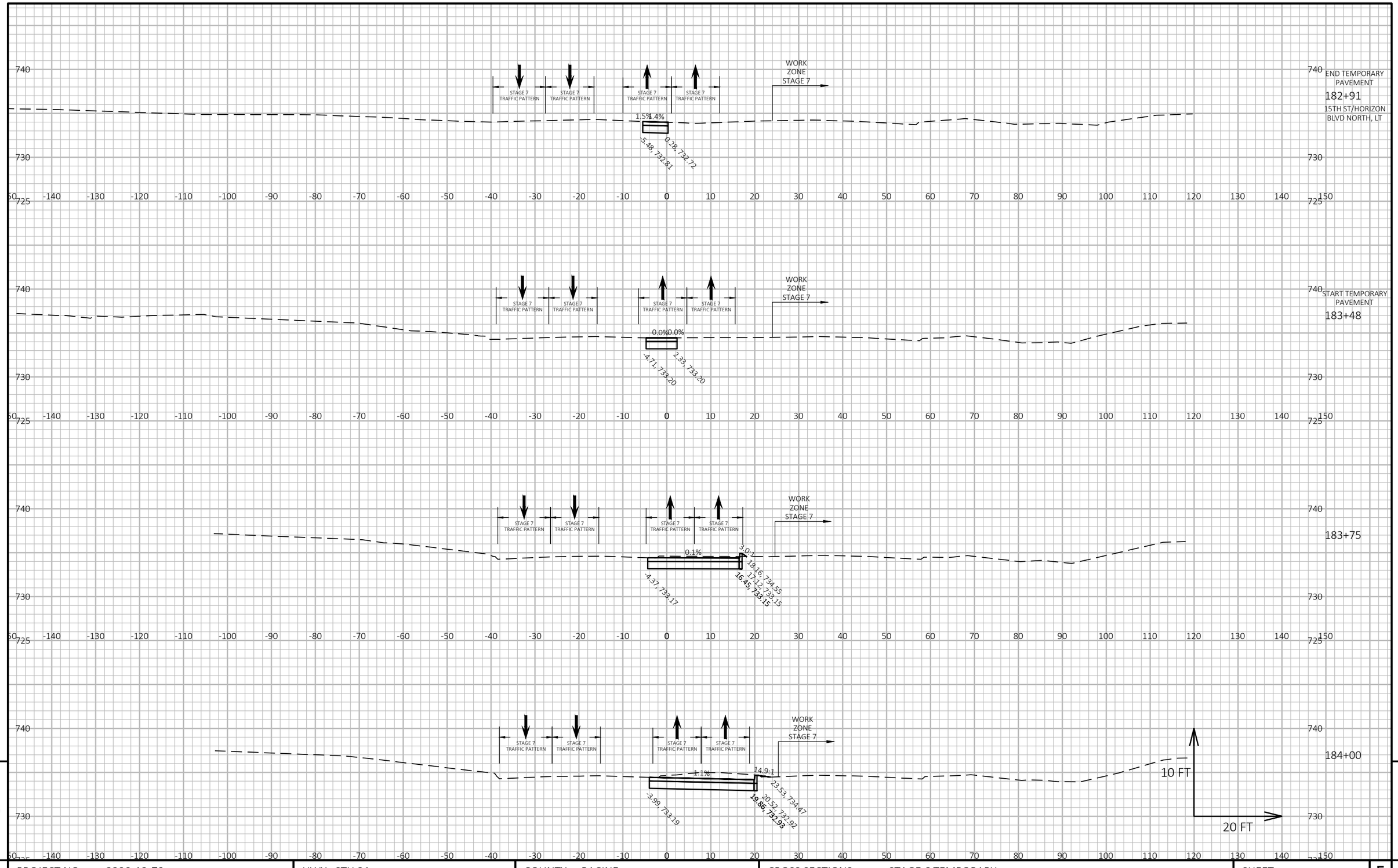
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 56

PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

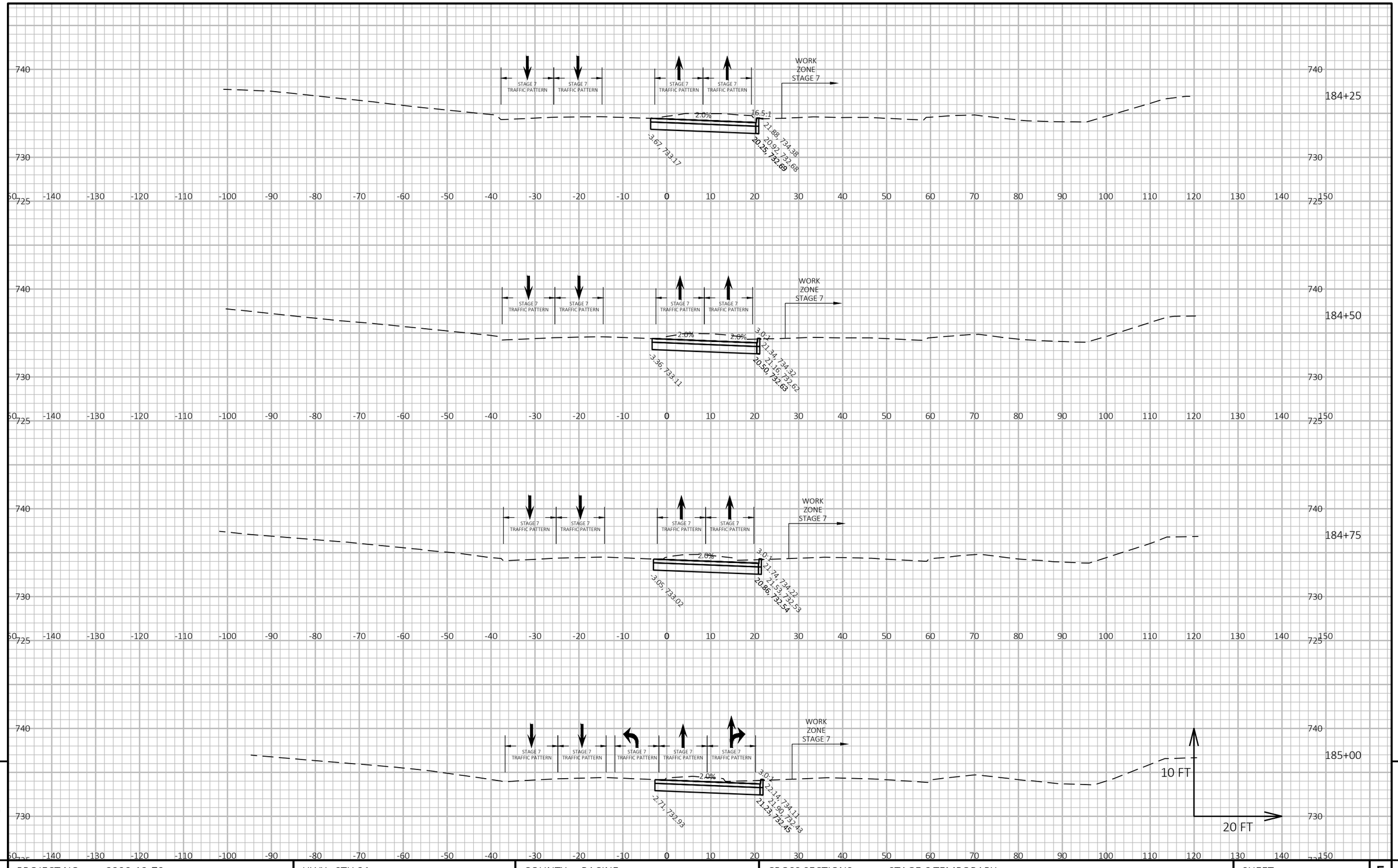
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1049	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 57

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1050	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 58

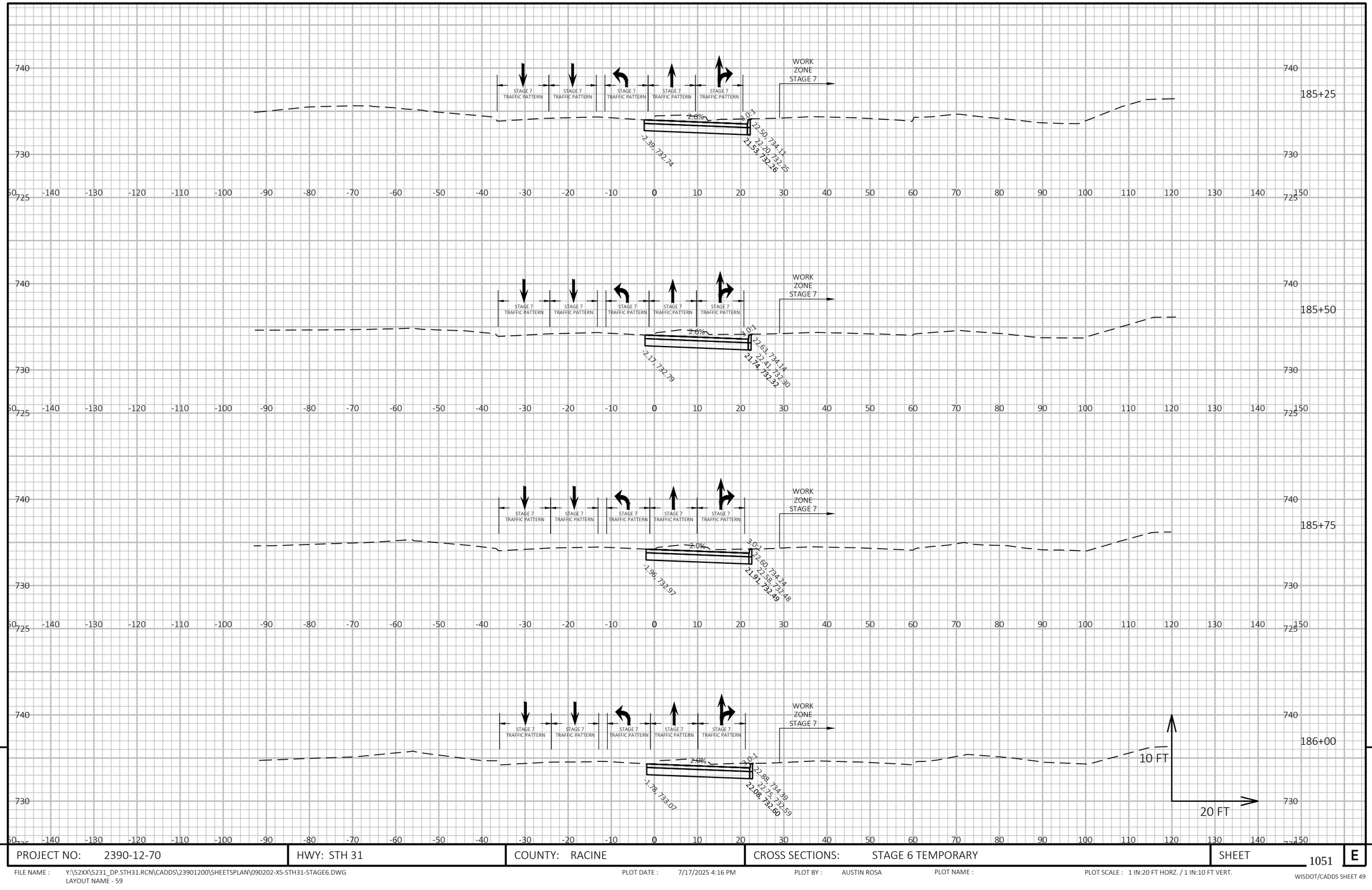
PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1051	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 59

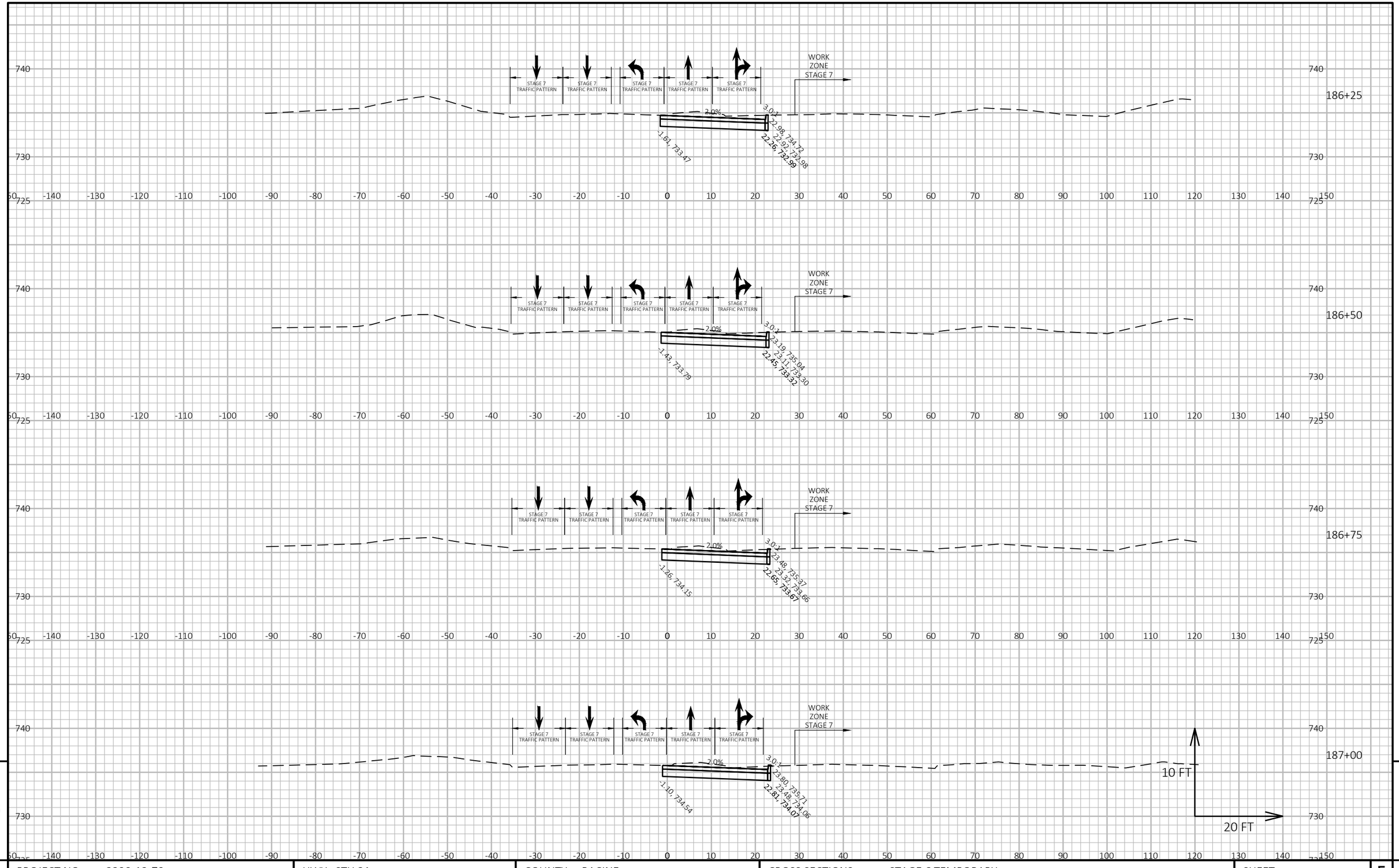
PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

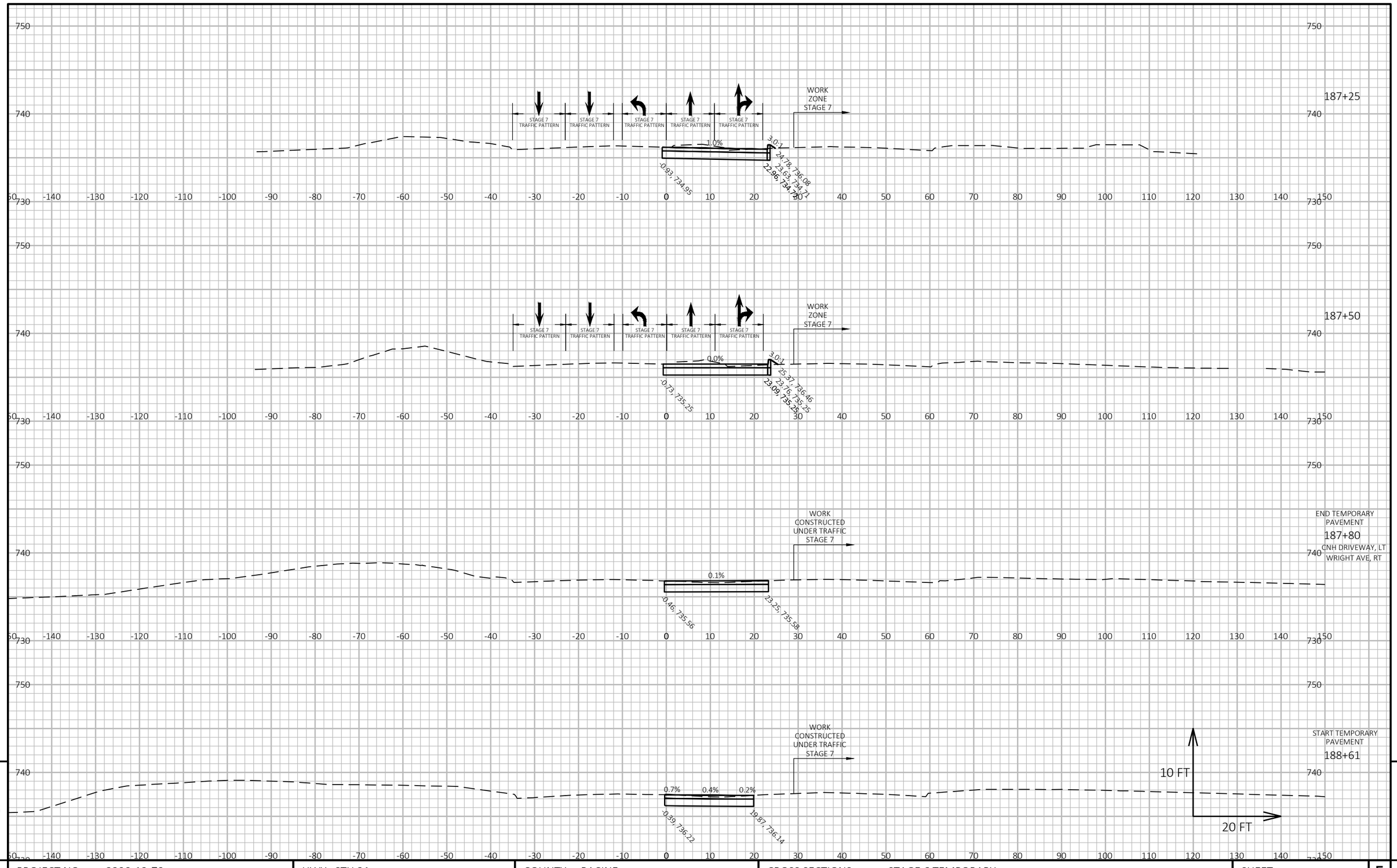


9 9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1052	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 60

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1053	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 61

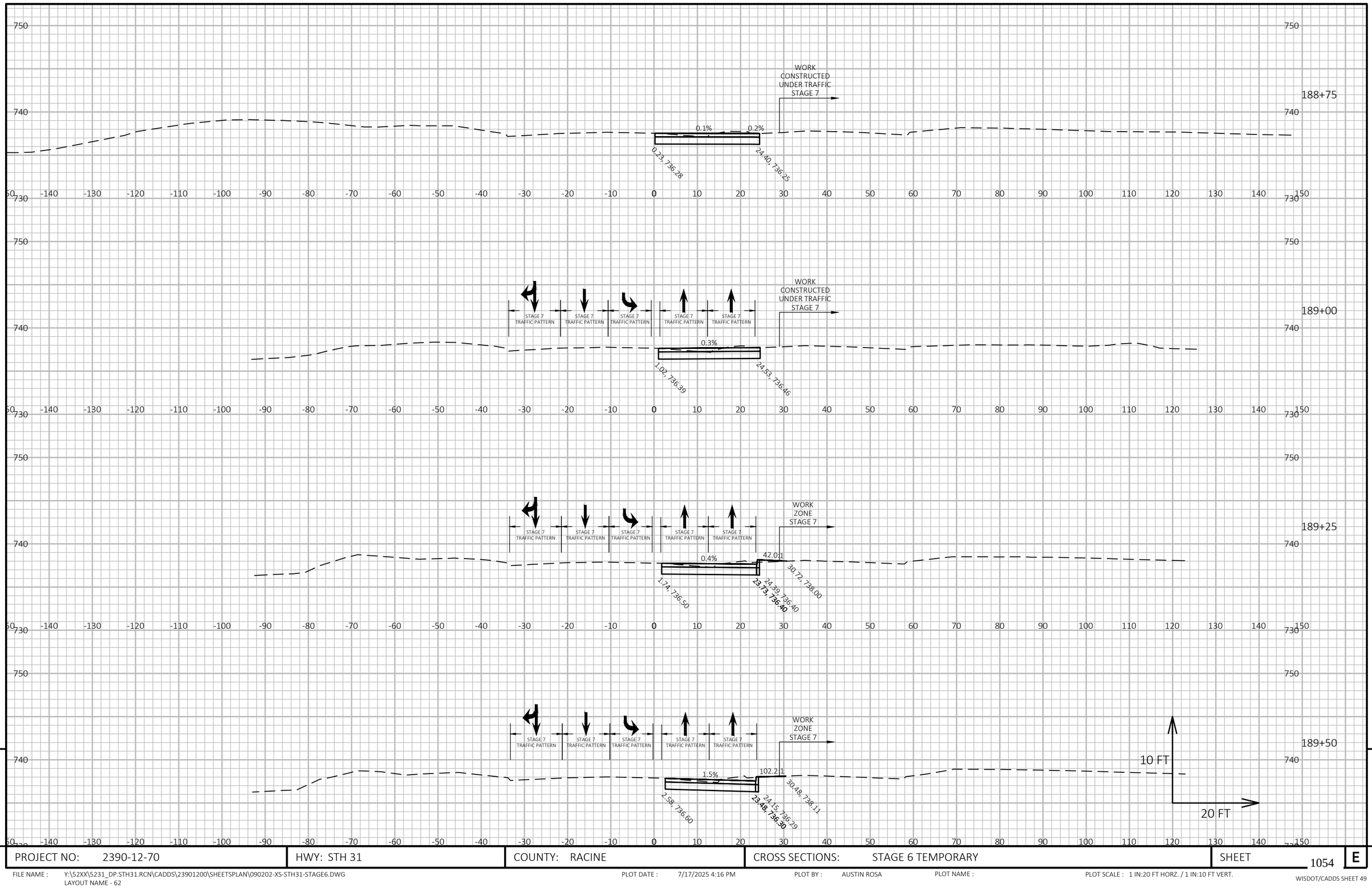
PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

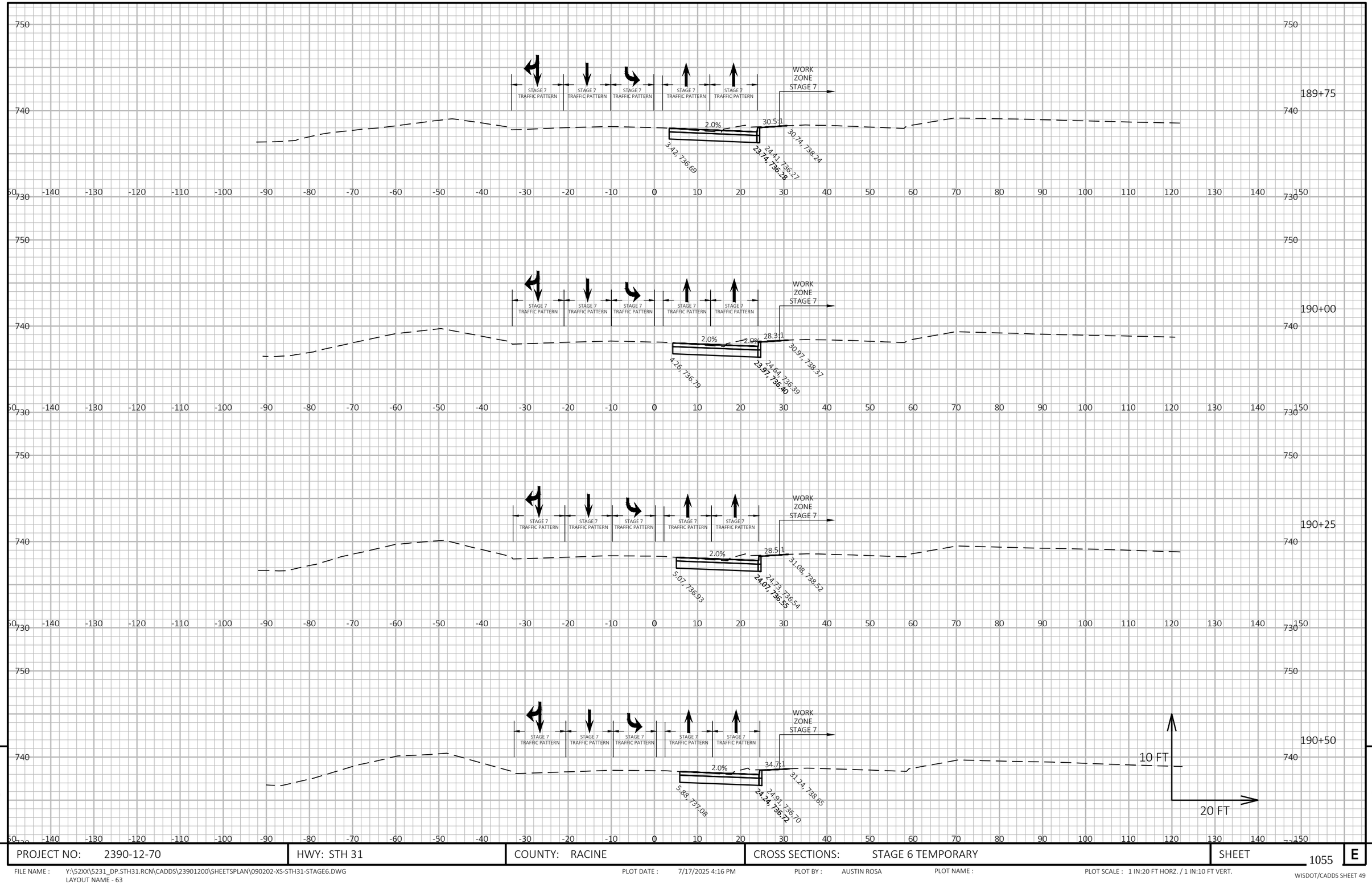
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1054	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 62

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1055	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 63

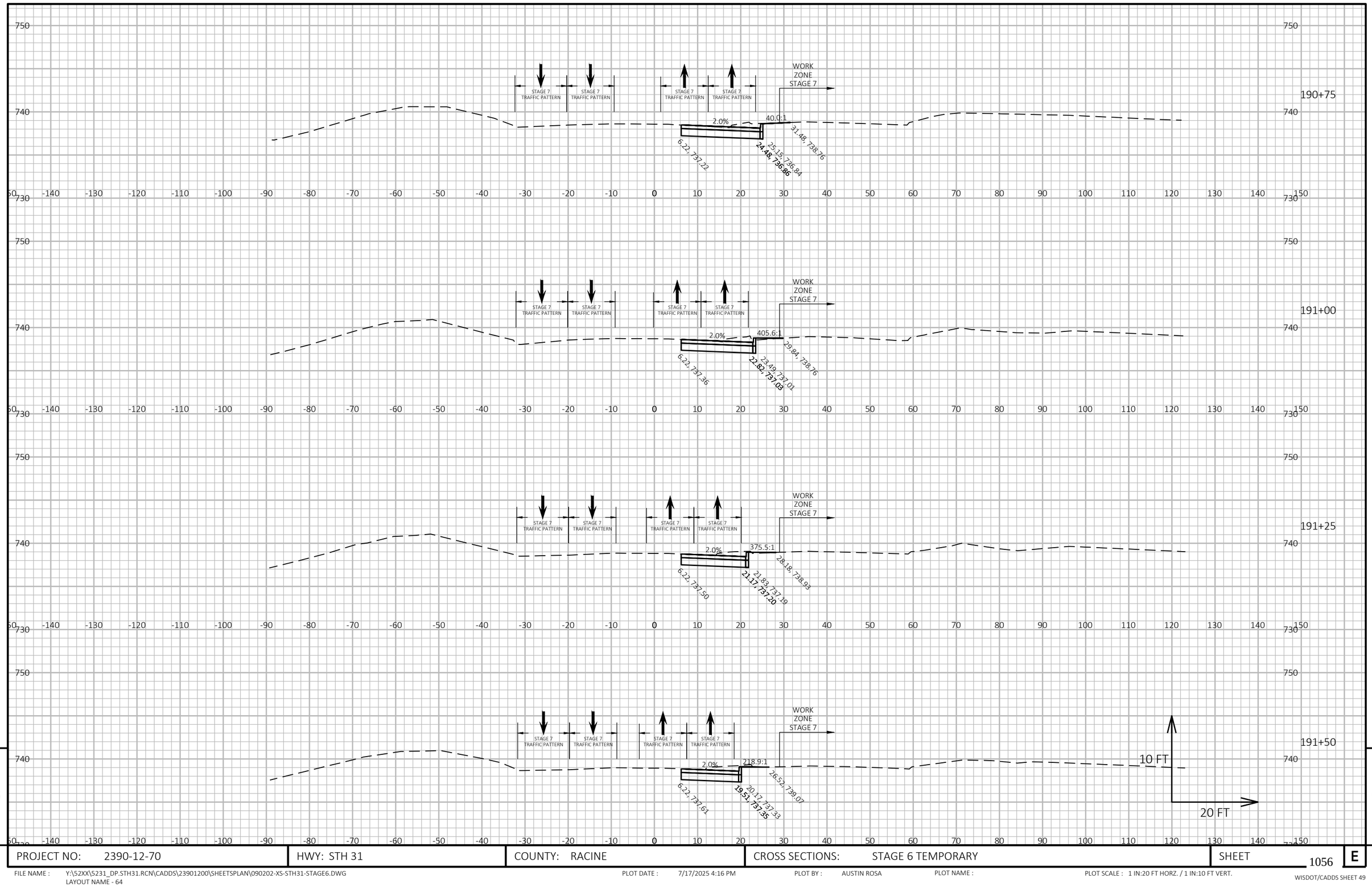
PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

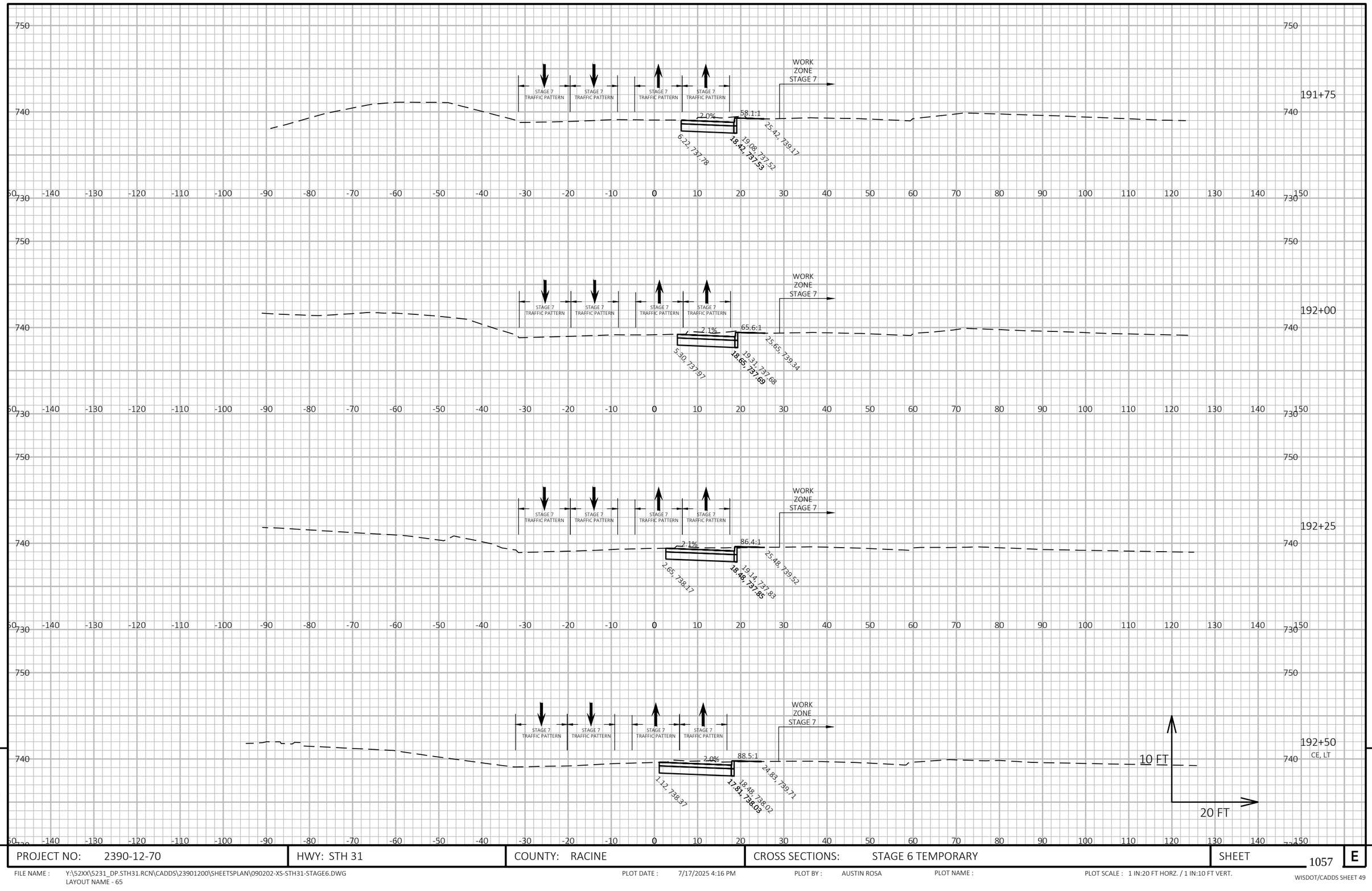
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1056	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 64

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

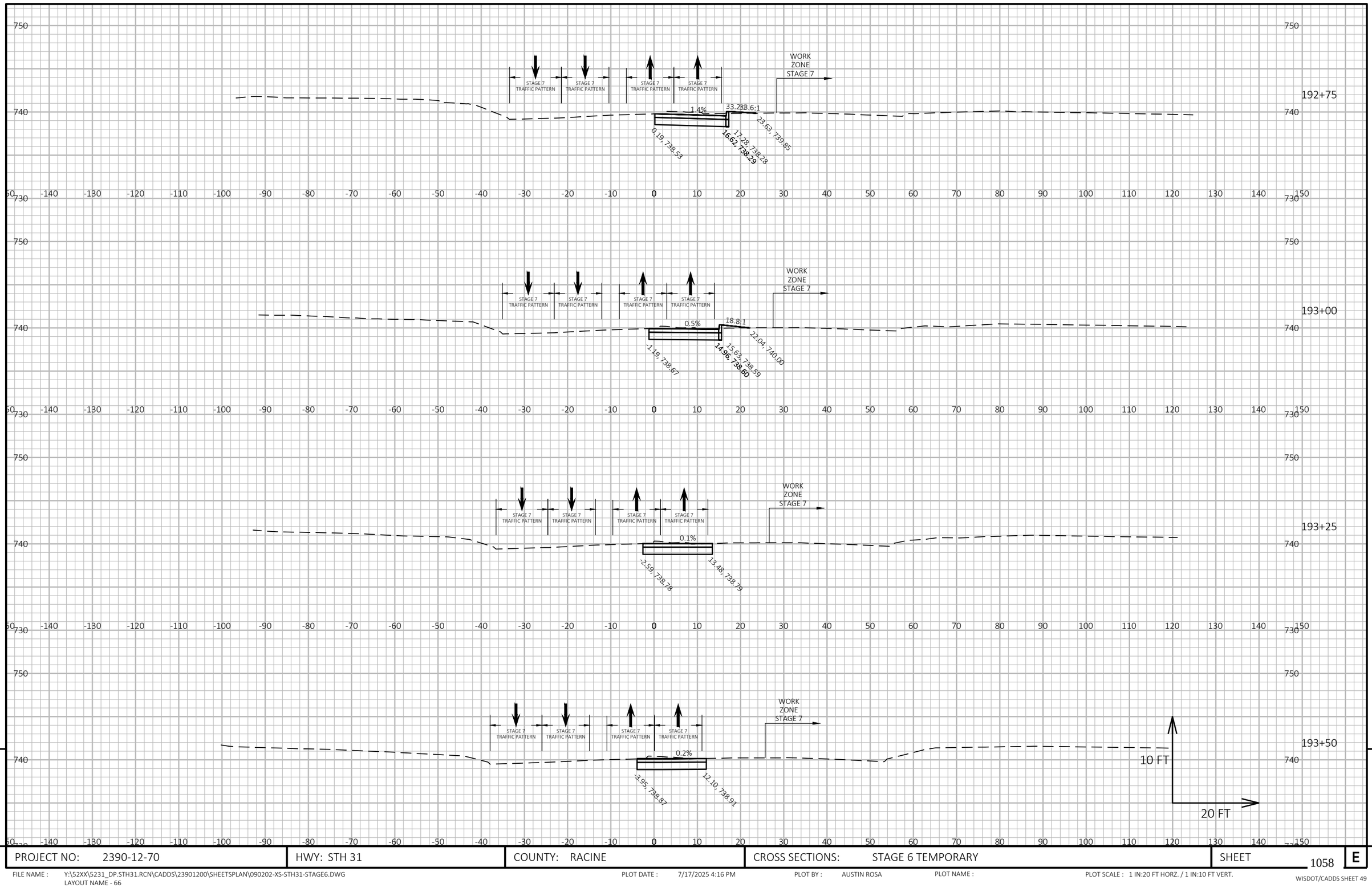


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1057 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 65

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



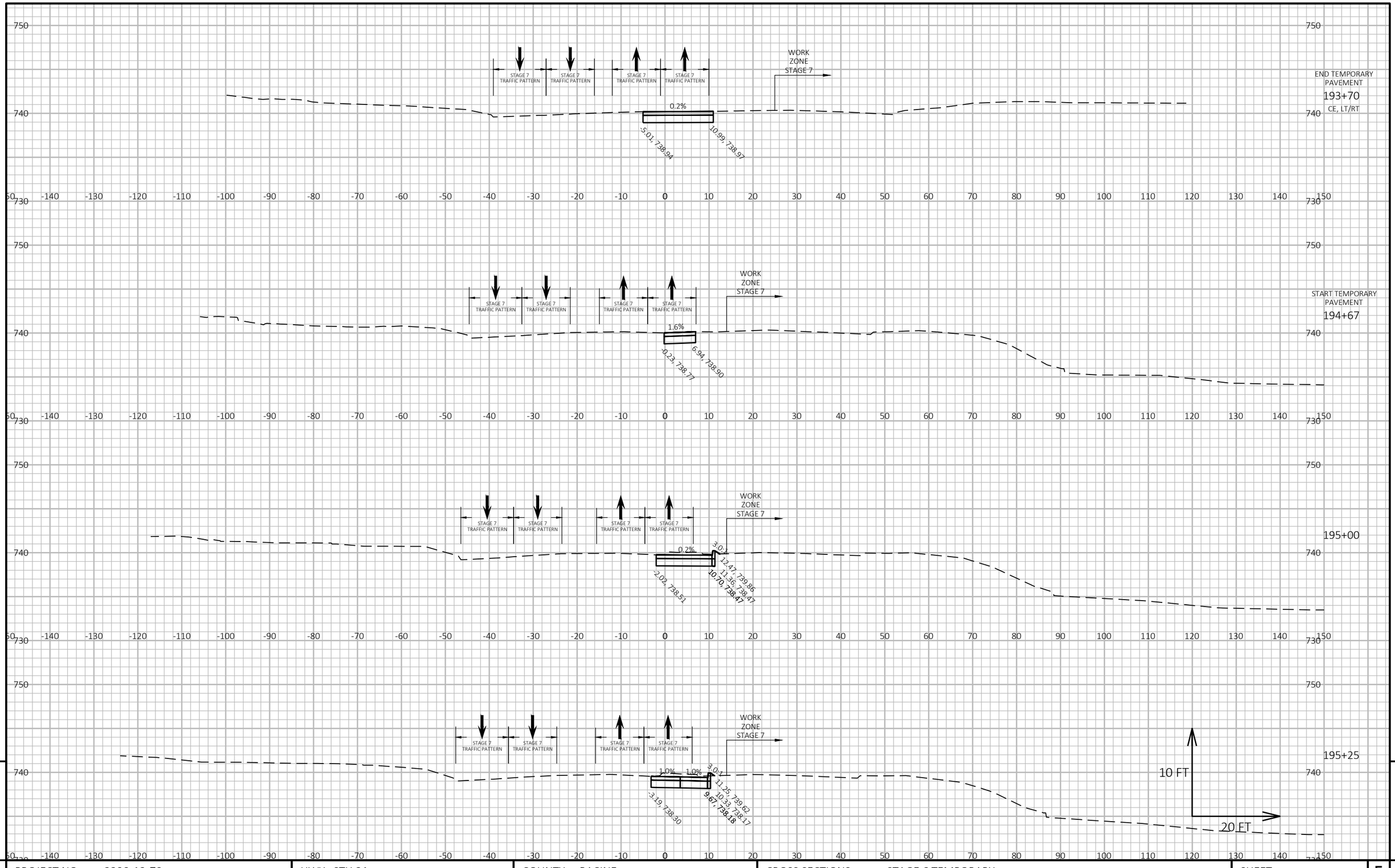
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1058	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 66

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1059 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 67

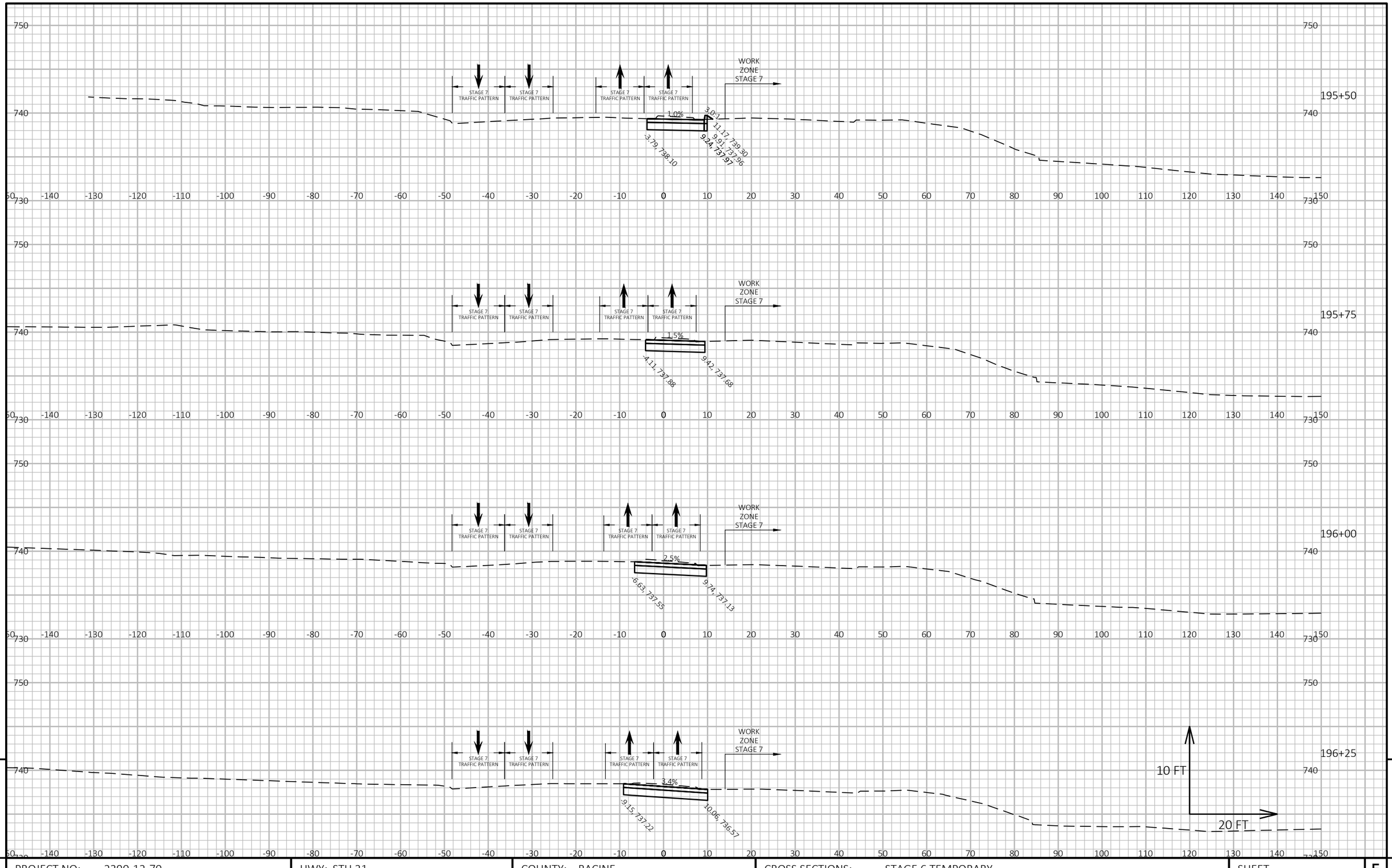
PLOT DATE : 7/17/2025 4:16 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

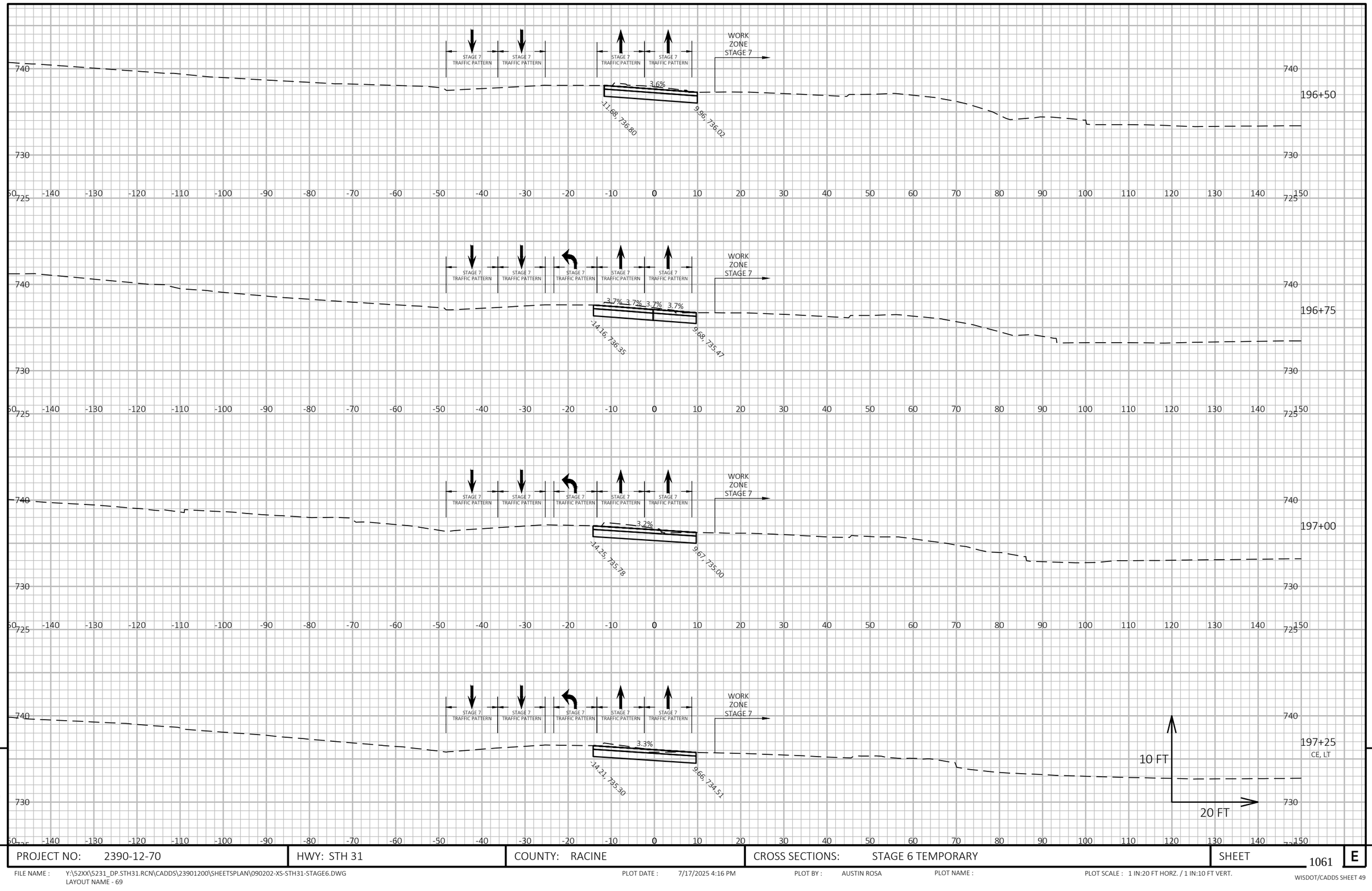
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1060	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 68

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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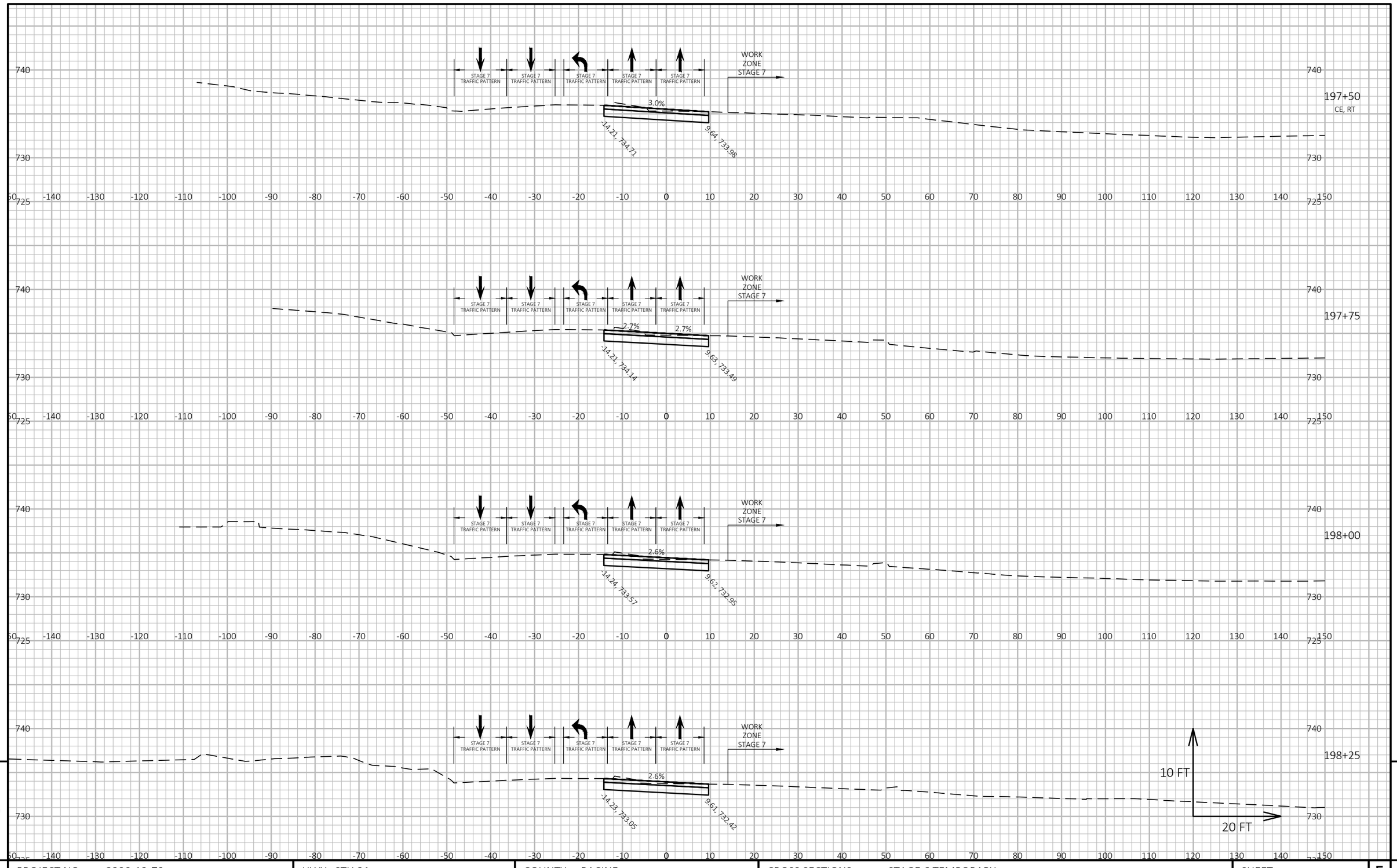
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1061	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 69

PLOT DATE : 7/17/2025 4:16 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1062	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 70

PLOT DATE : 7/17/2025 4:17 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1063	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 71

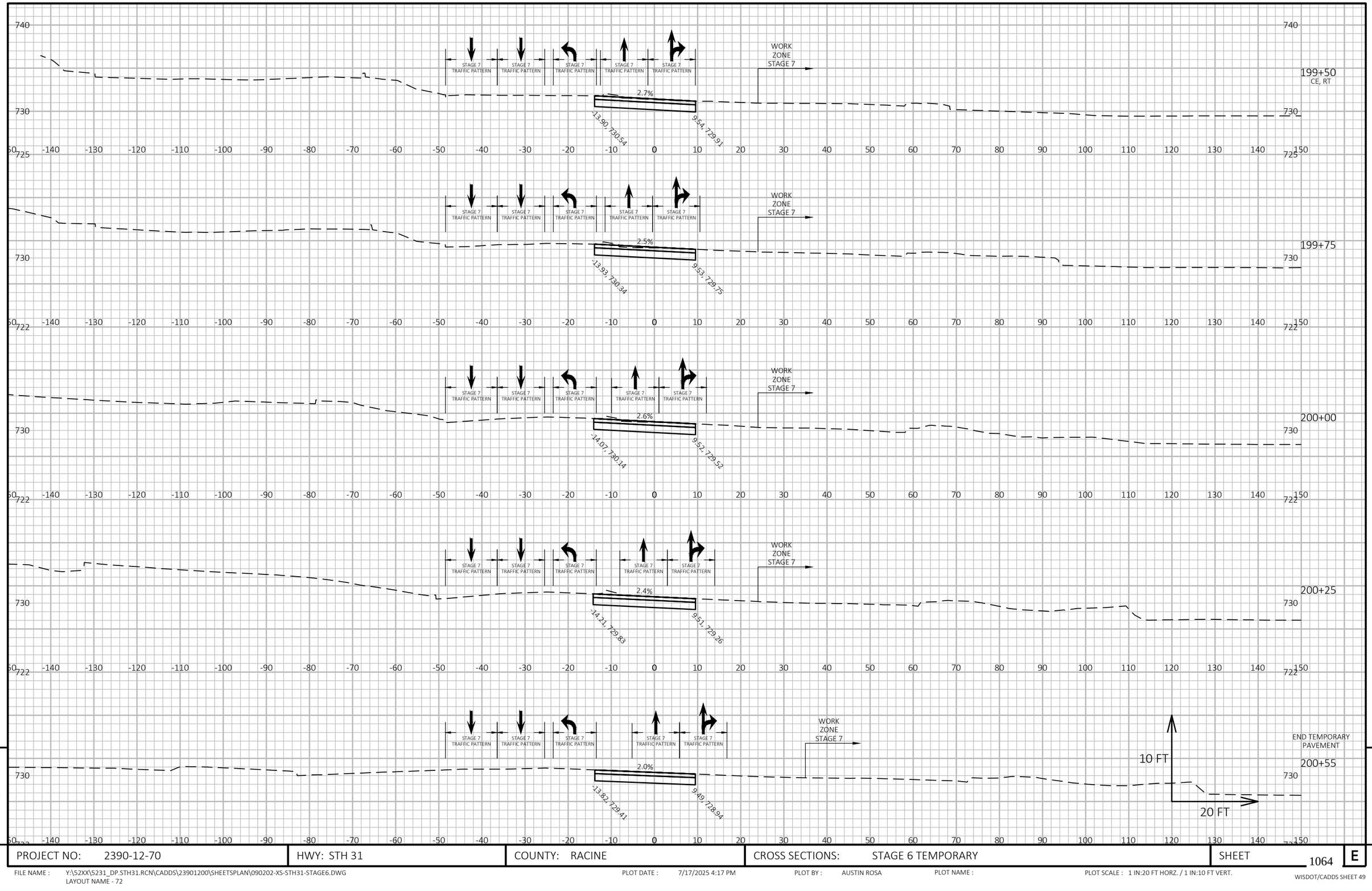
PLOT DATE : 7/17/2025 4:17 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

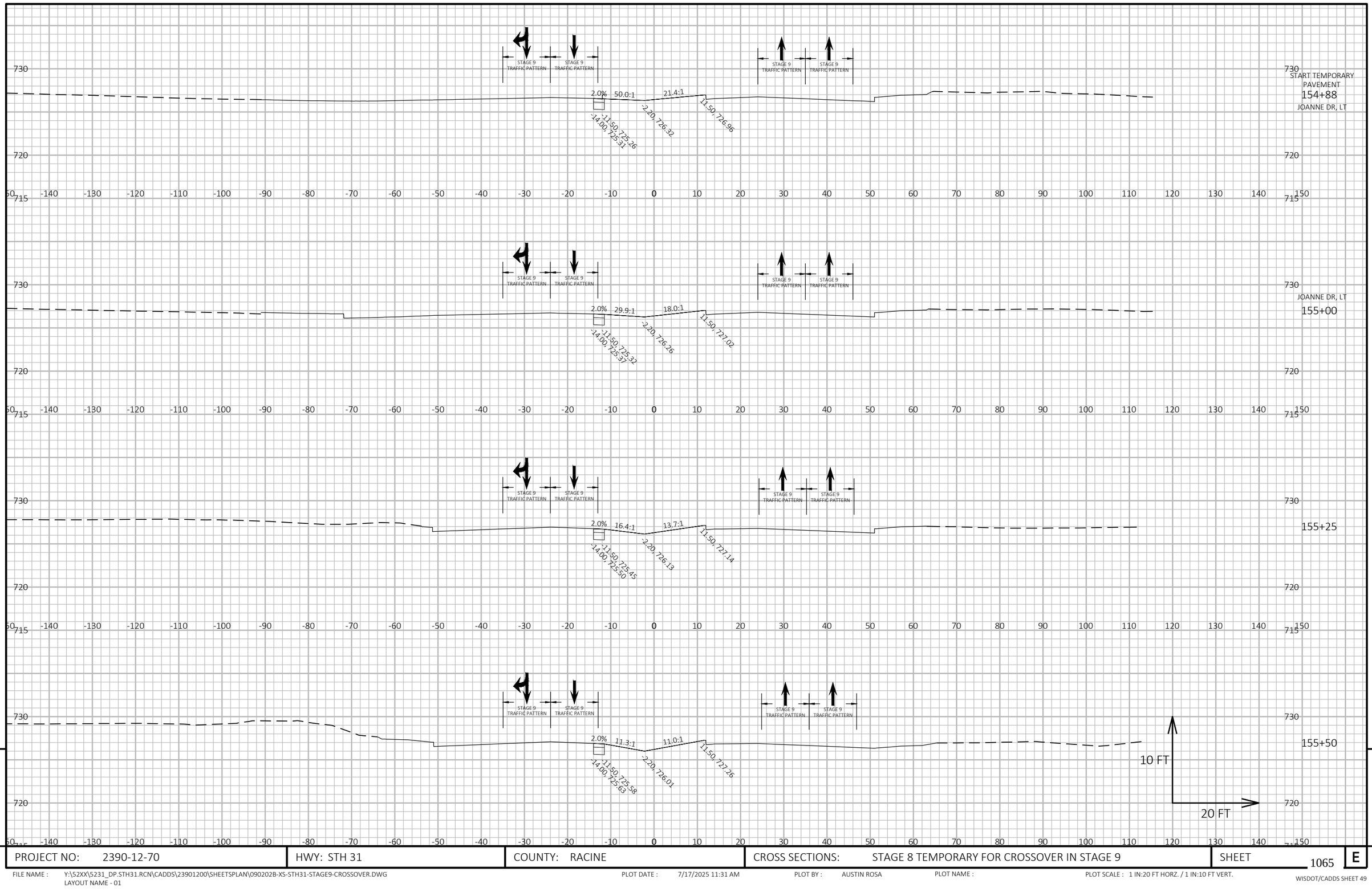


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY	SHEET 1064	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202-XS-STH31-STAGE6.DWG
LAYOUT NAME - 72

PLOT DATE : 7/17/2025 4:17 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



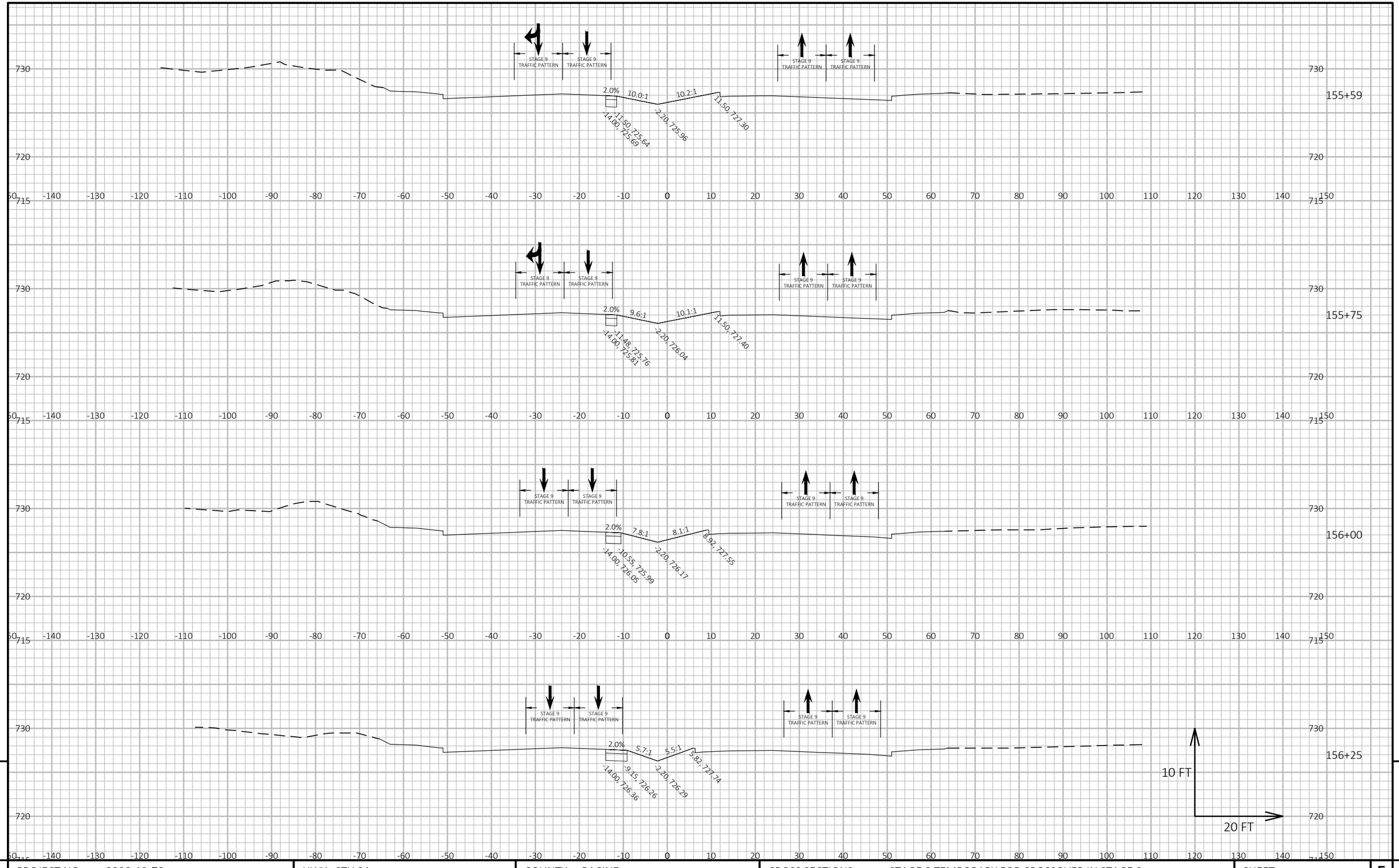
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1065	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 01

PLOT DATE : 7/17/2025 11:31 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

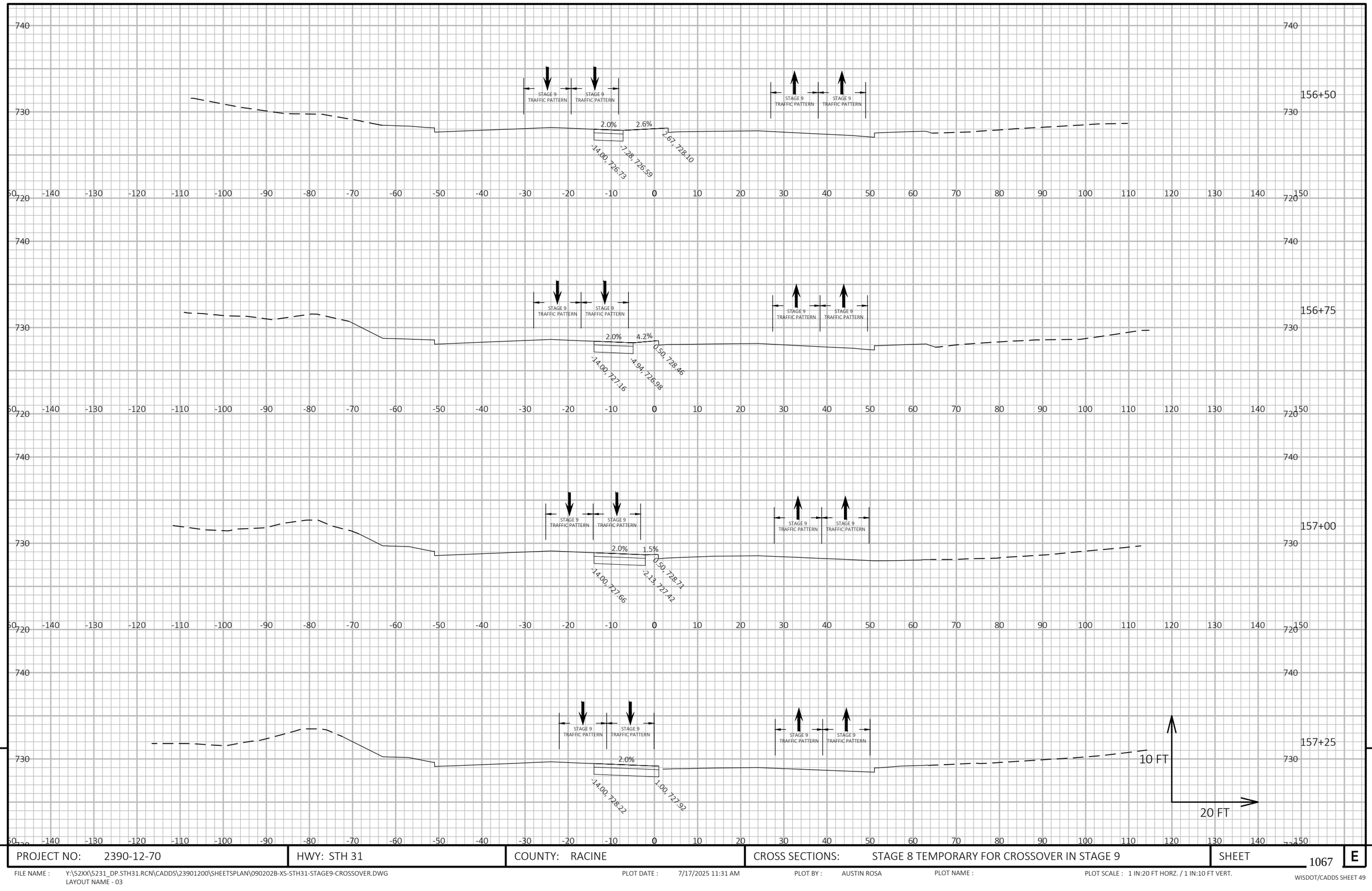
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1066	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 02

PLOT DATE : 7/17/2025 11:31 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



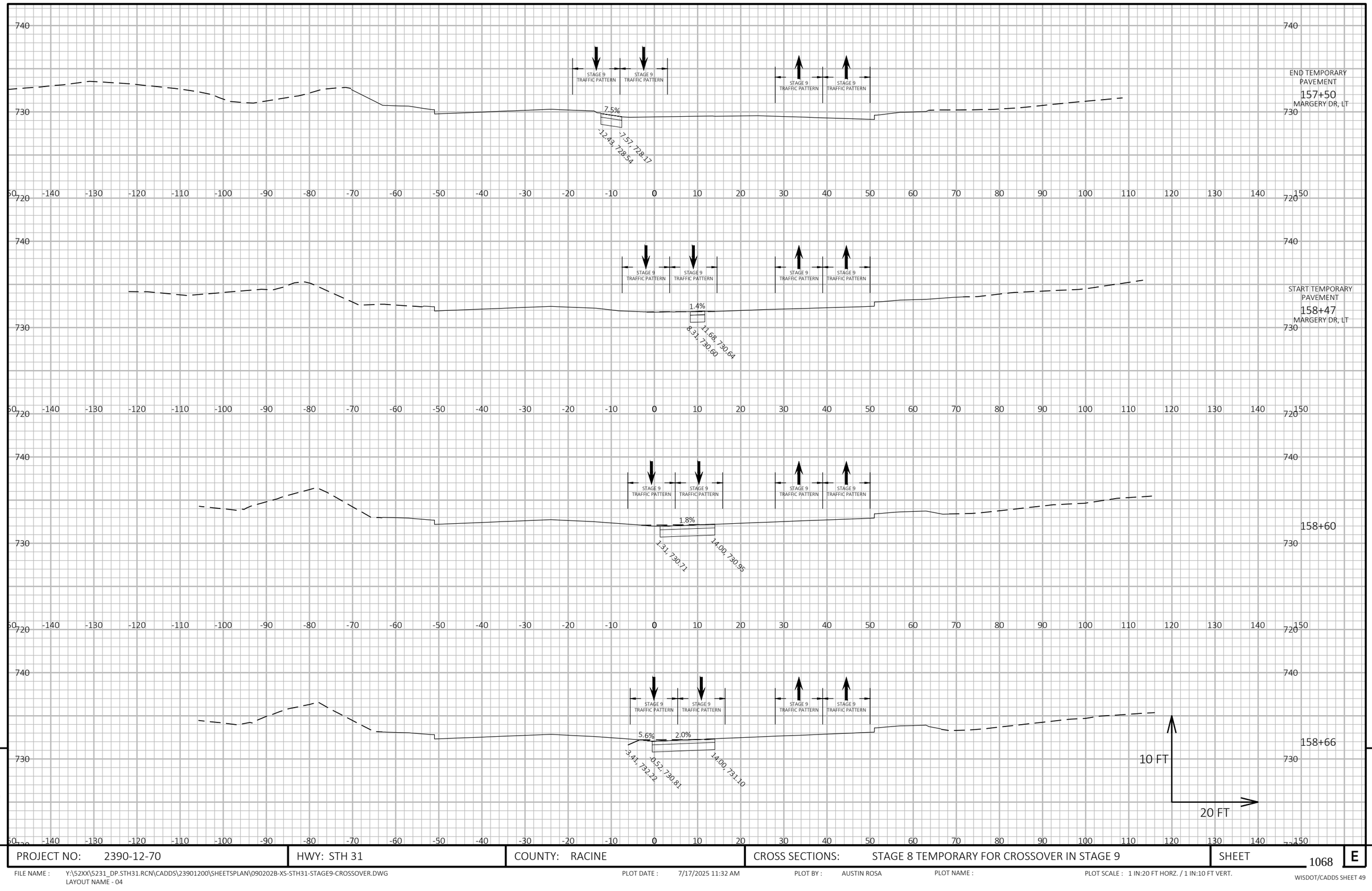
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1067 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 03

PLOT DATE : 7/17/2025 11:31 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



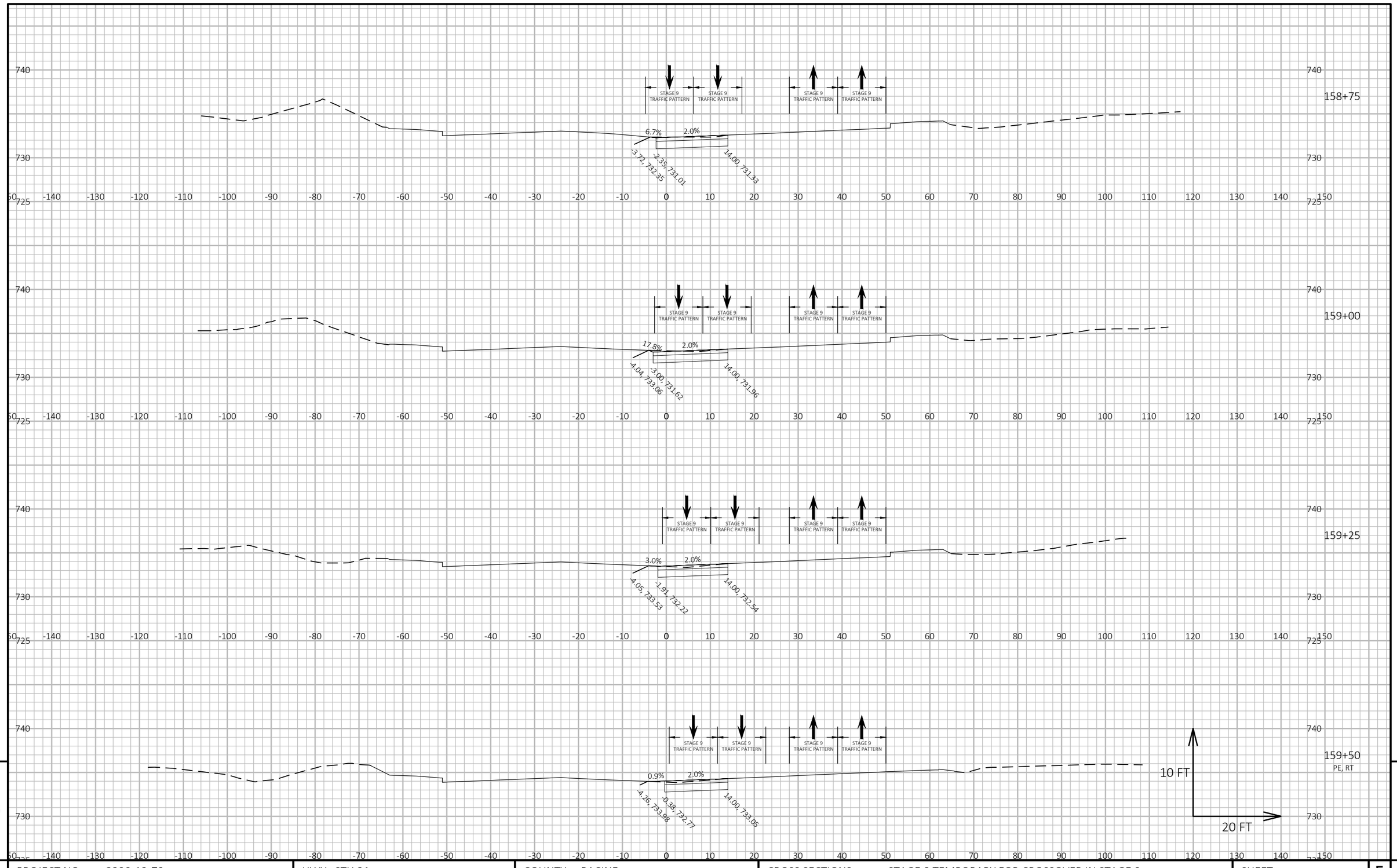
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1068	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 04

PLOT DATE : 7/17/2025 11:32 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1069	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 05

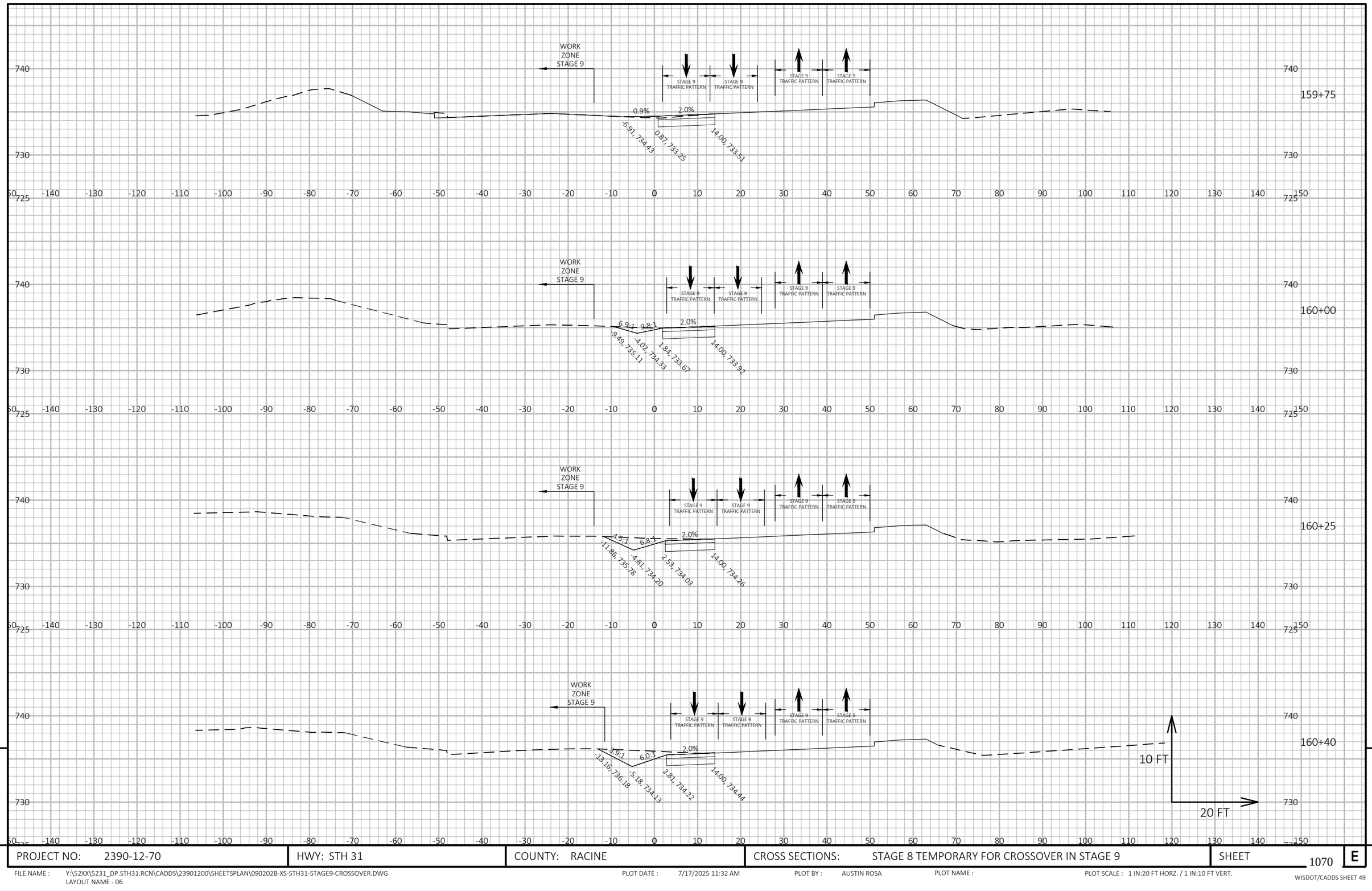
PLOT DATE : 7/17/2025 11:32 AM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



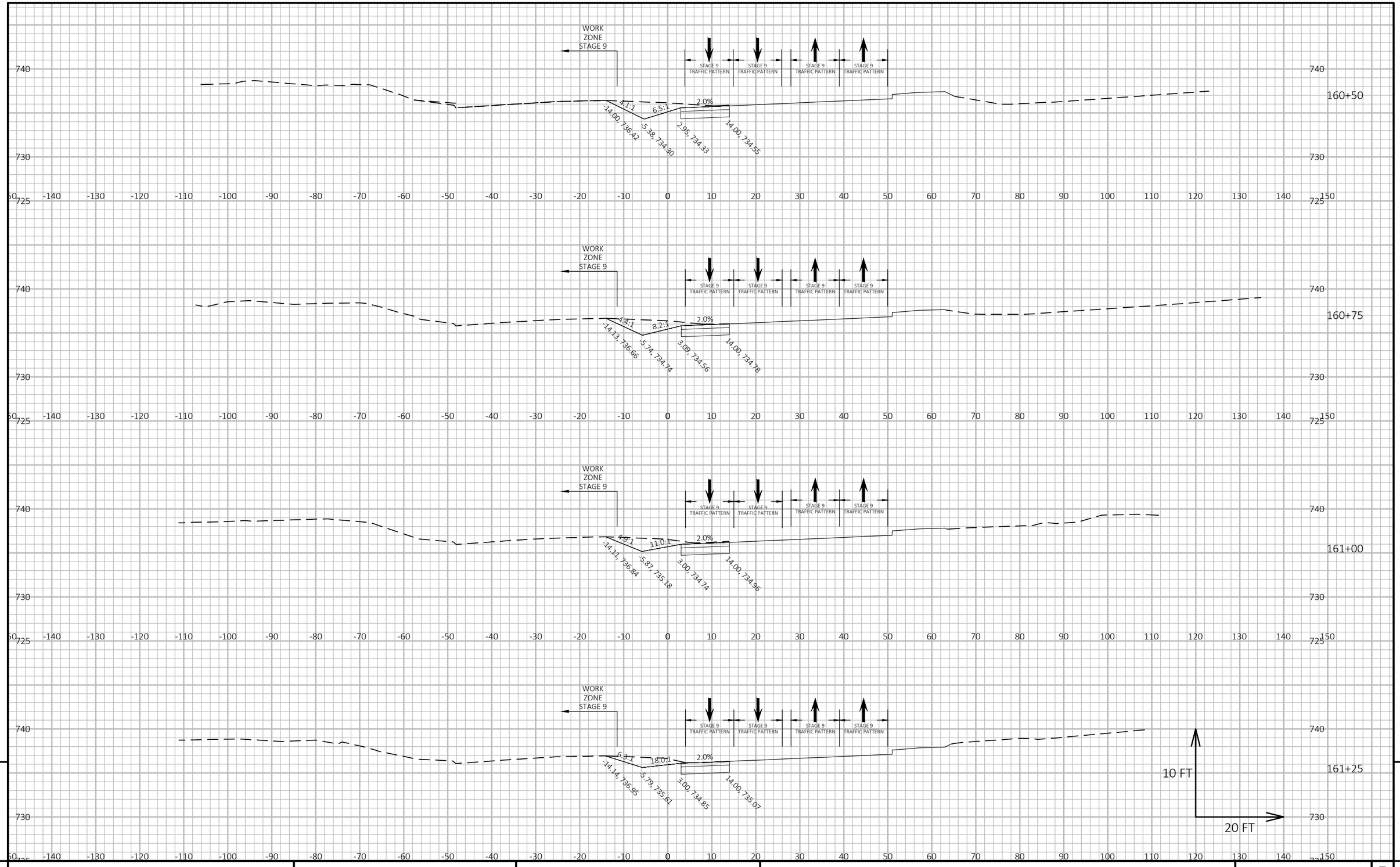
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1070	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 06

PLOT DATE : 7/17/2025 11:32 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



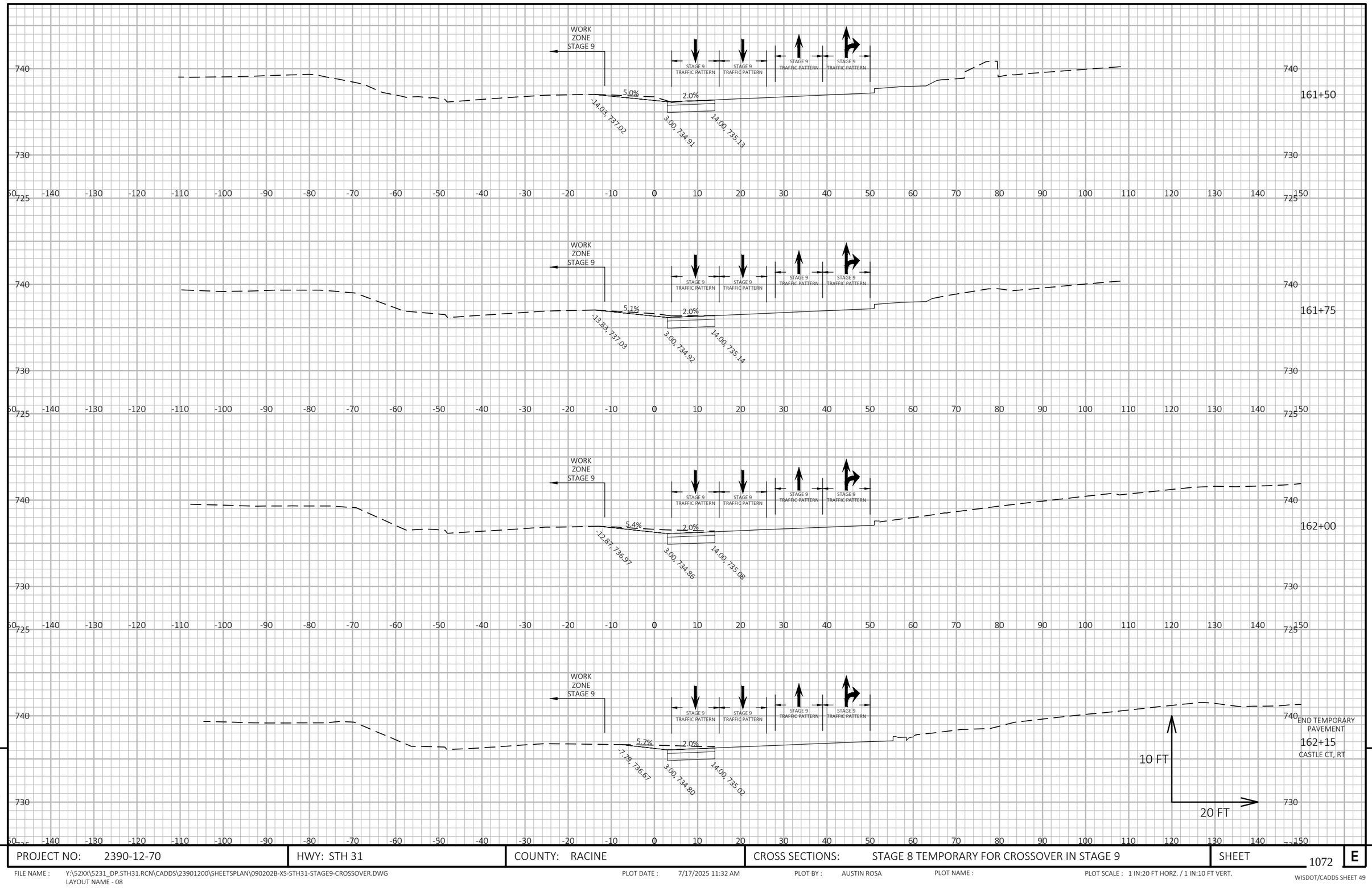
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1071	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 07

PLOT DATE : 7/17/2025 11:32 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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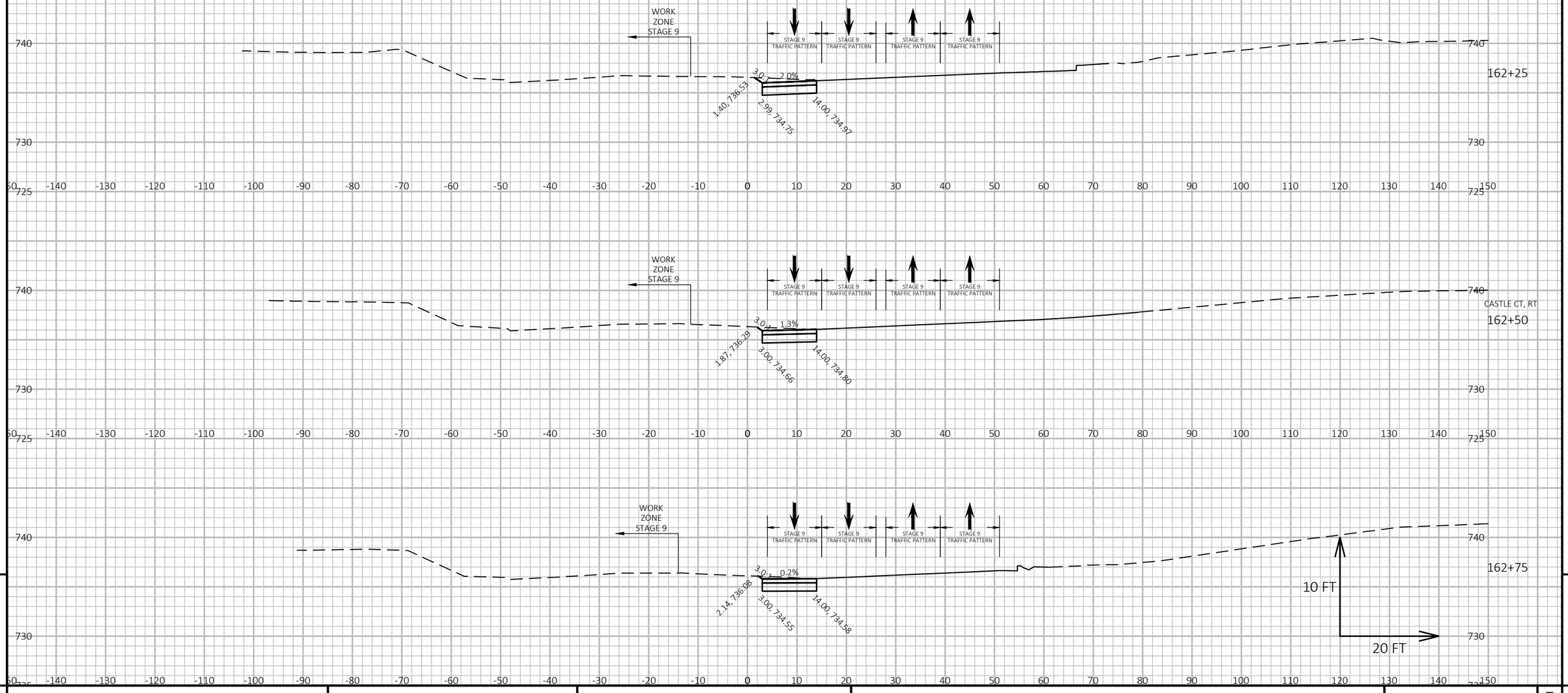
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9	SHEET 1072	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE9-CROSSOVER.DWG
LAYOUT NAME - 08

PLOT DATE : 7/17/2025 11:32 AM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

SEE CROSS SECTIONS: STAGE 8 TEMPORARY FOR CROSSOVER IN STAGE 9
STA 154+88 TO STA 162+15



9

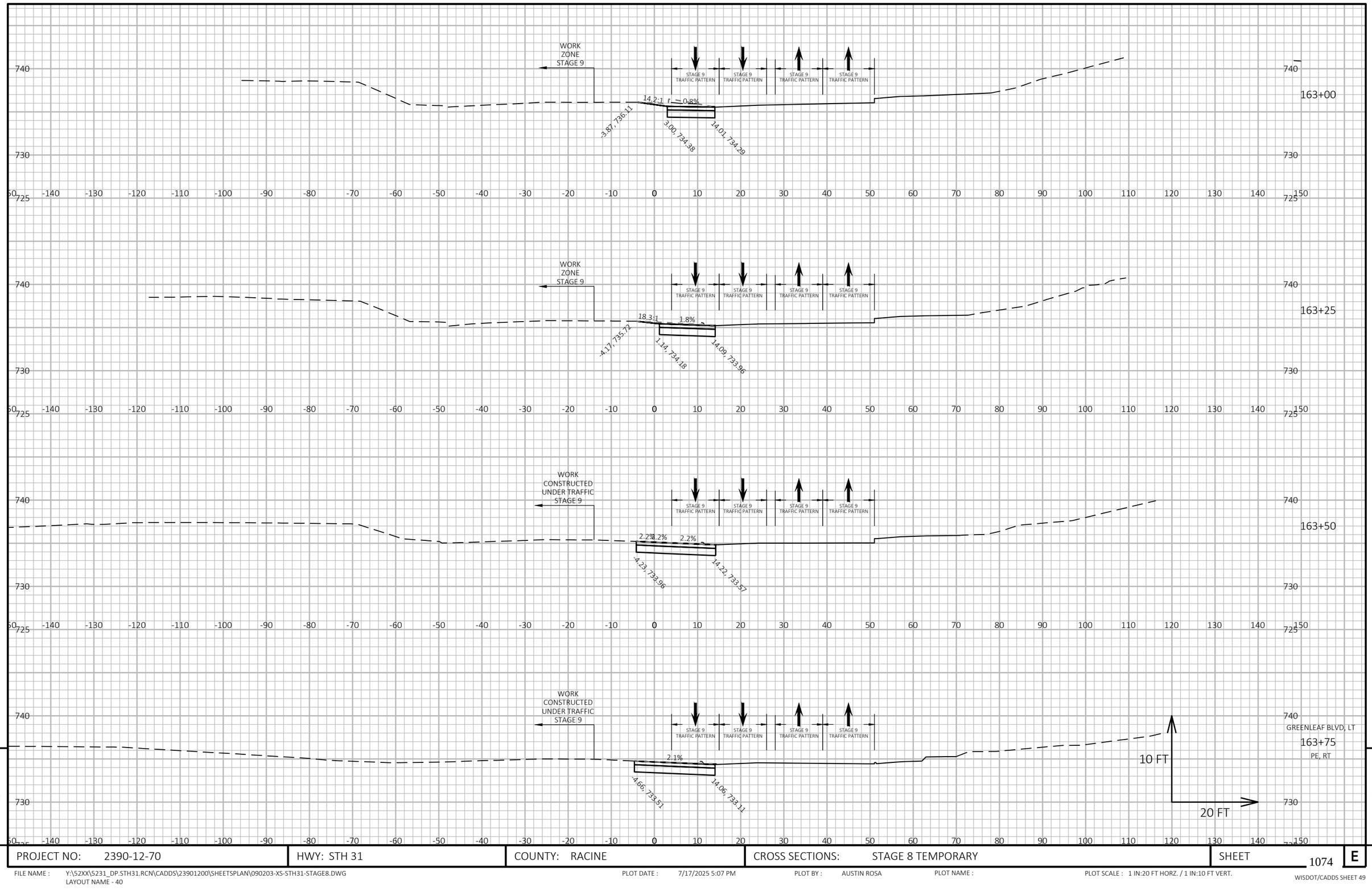
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1073	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 39

PLOT DATE : 7/17/2025 5:07 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1074	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 40

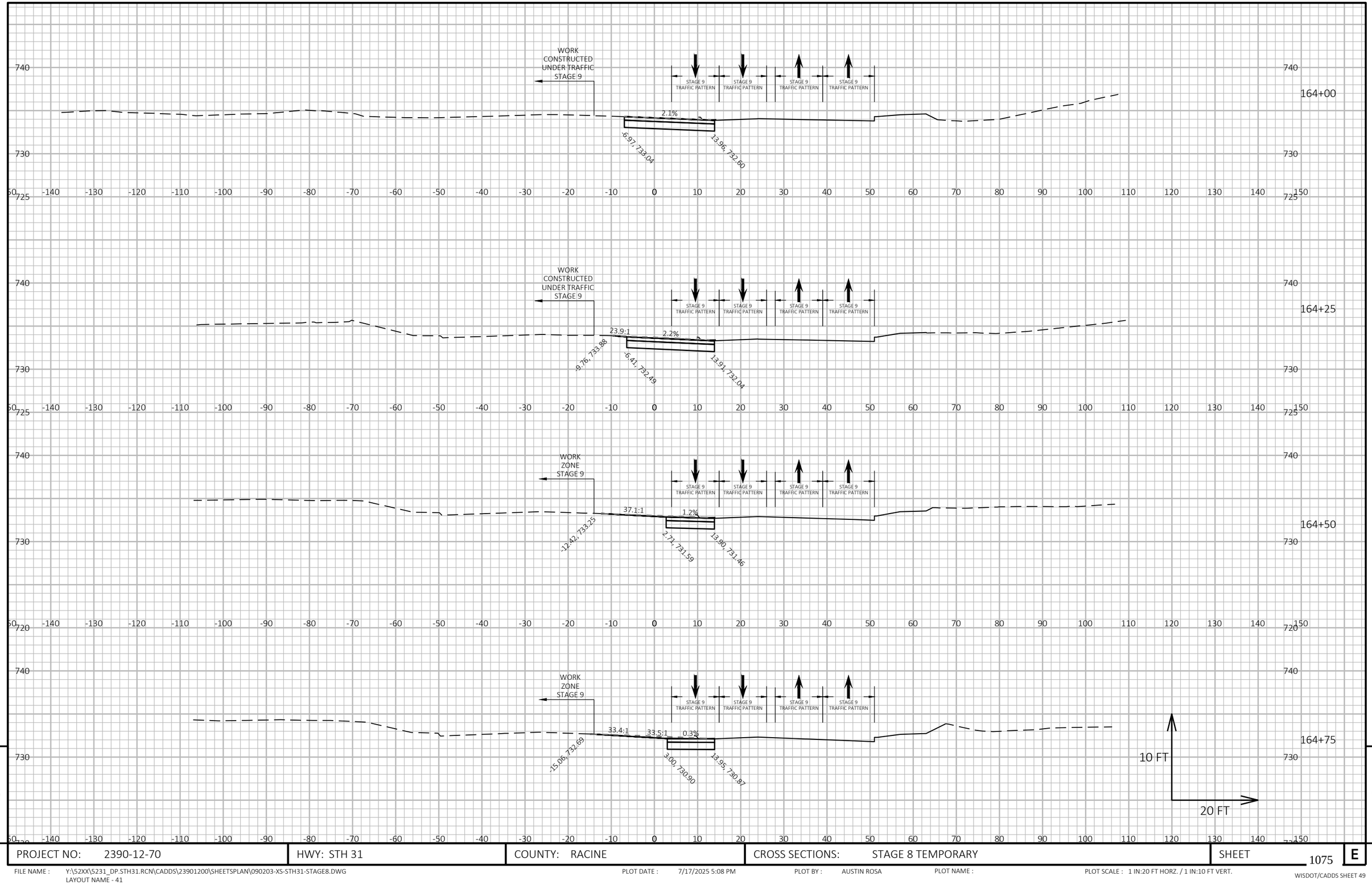
PLOT DATE : 7/17/2025 5:07 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1075	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 41

PLOT DATE : 7/17/2025 5:08 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

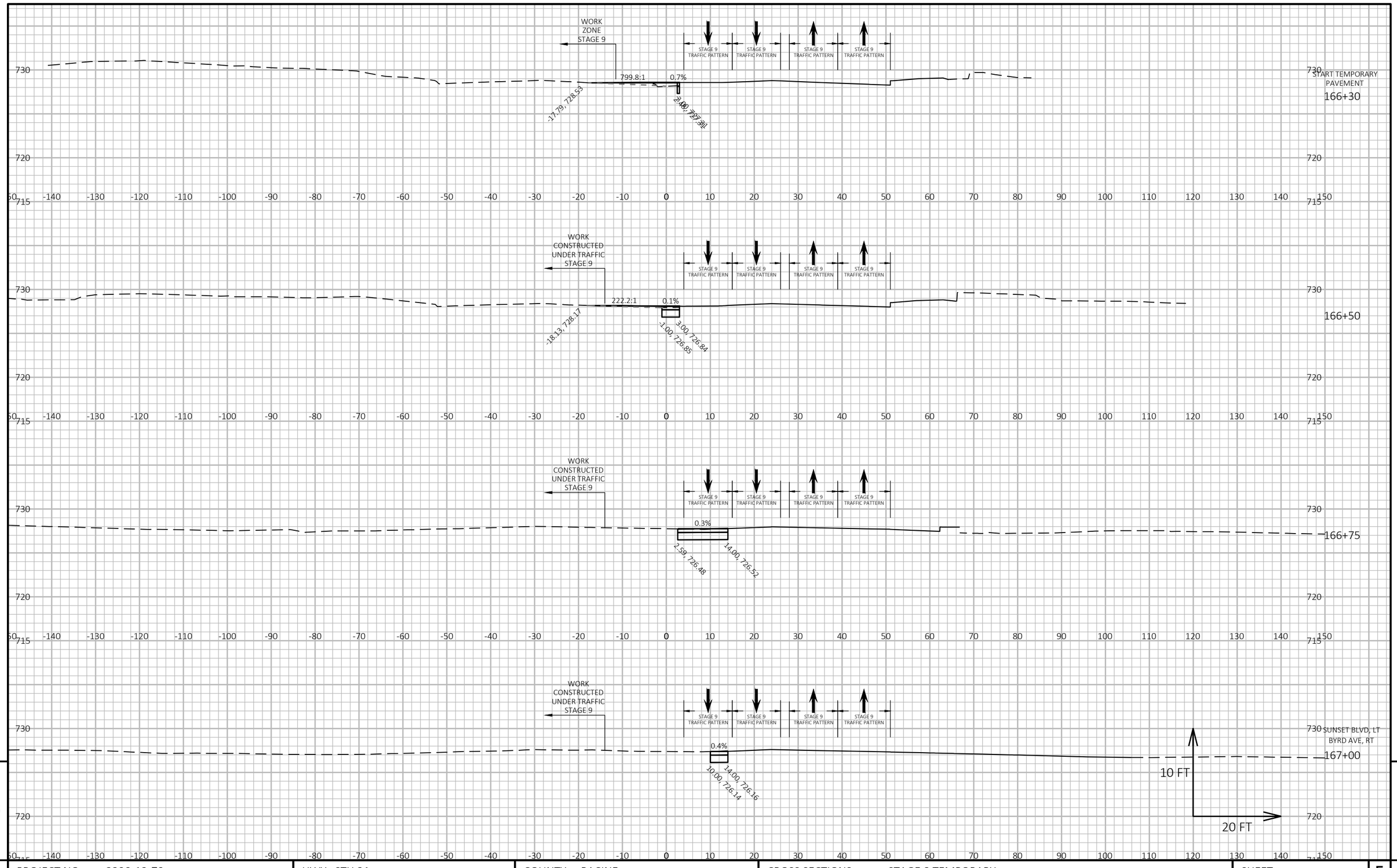
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1076	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 42

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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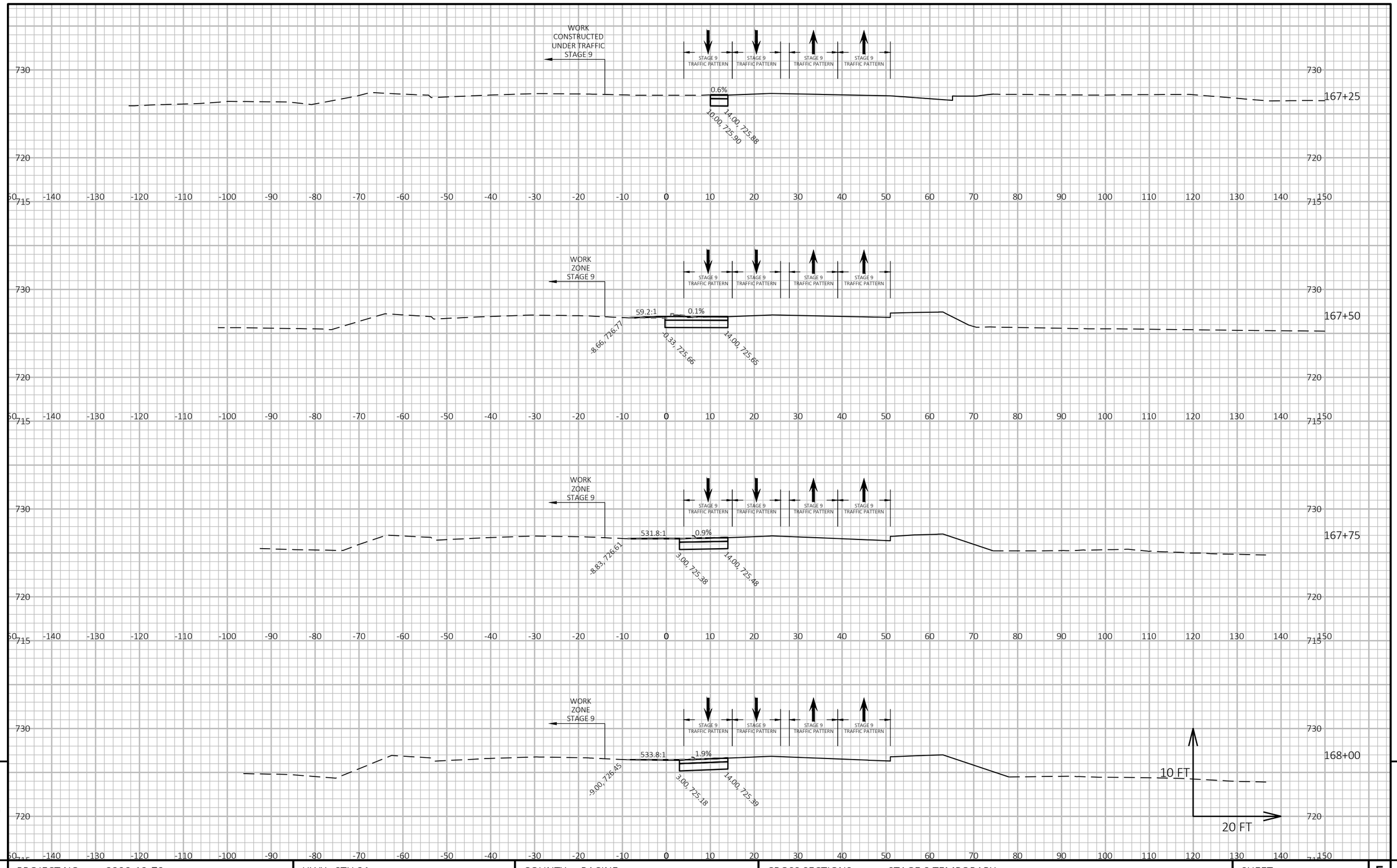
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1077	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 43

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

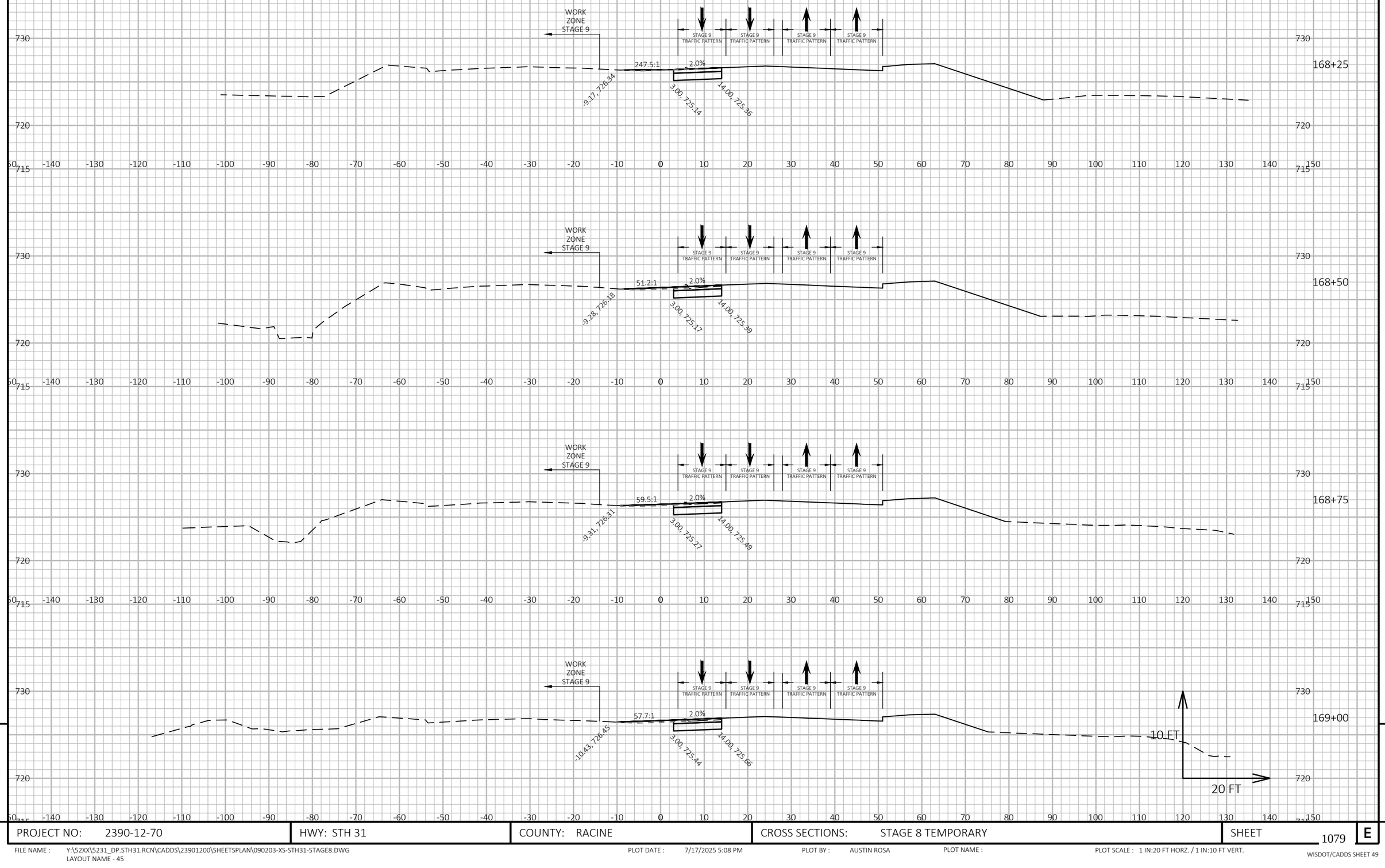
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1078	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 44

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1079	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 45

PLOT DATE : 7/17/2025 5:08 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1080	E

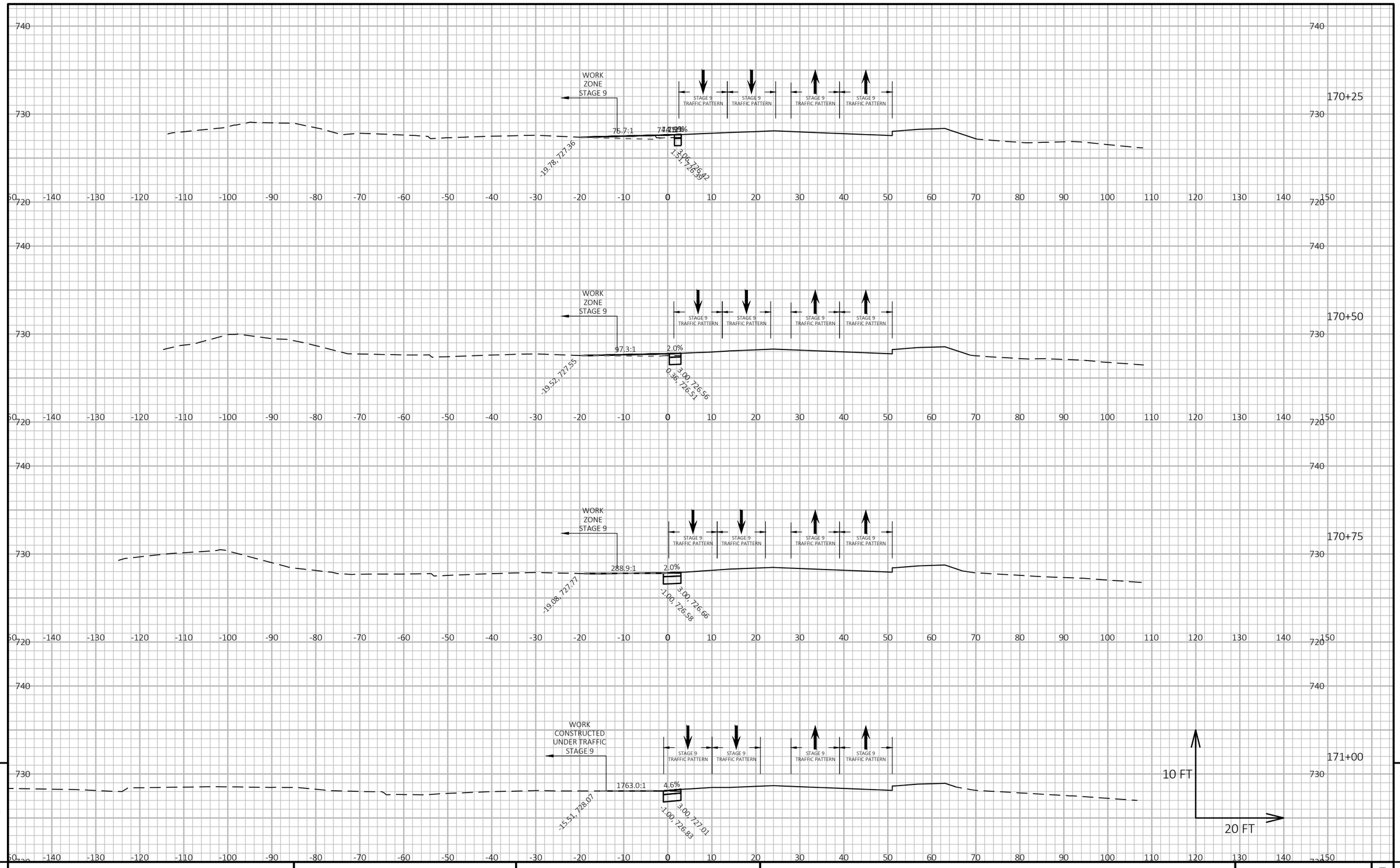
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 46

PLOT DATE : 7/17/2025 5:08 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

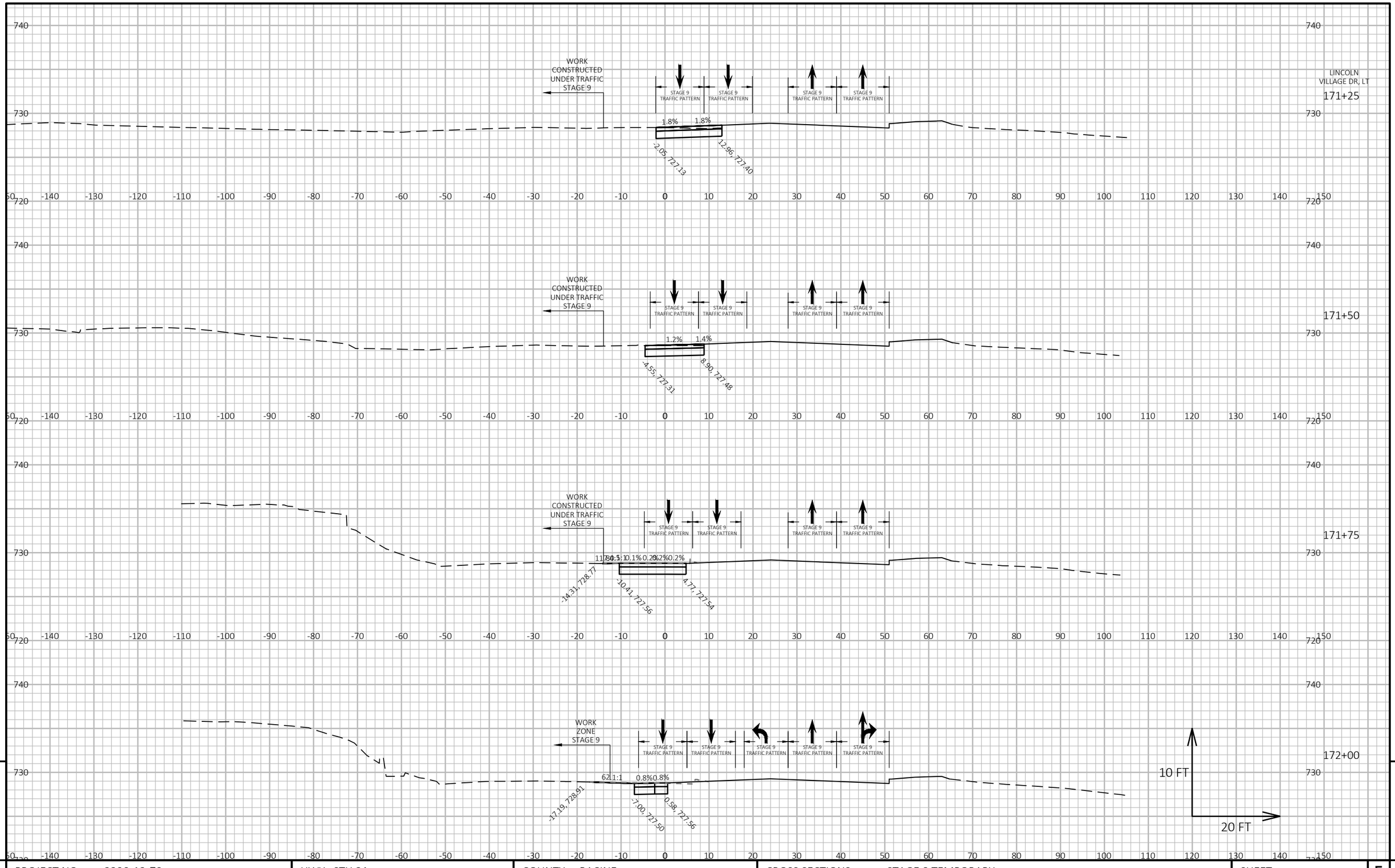


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1081 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 47

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1082	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 48

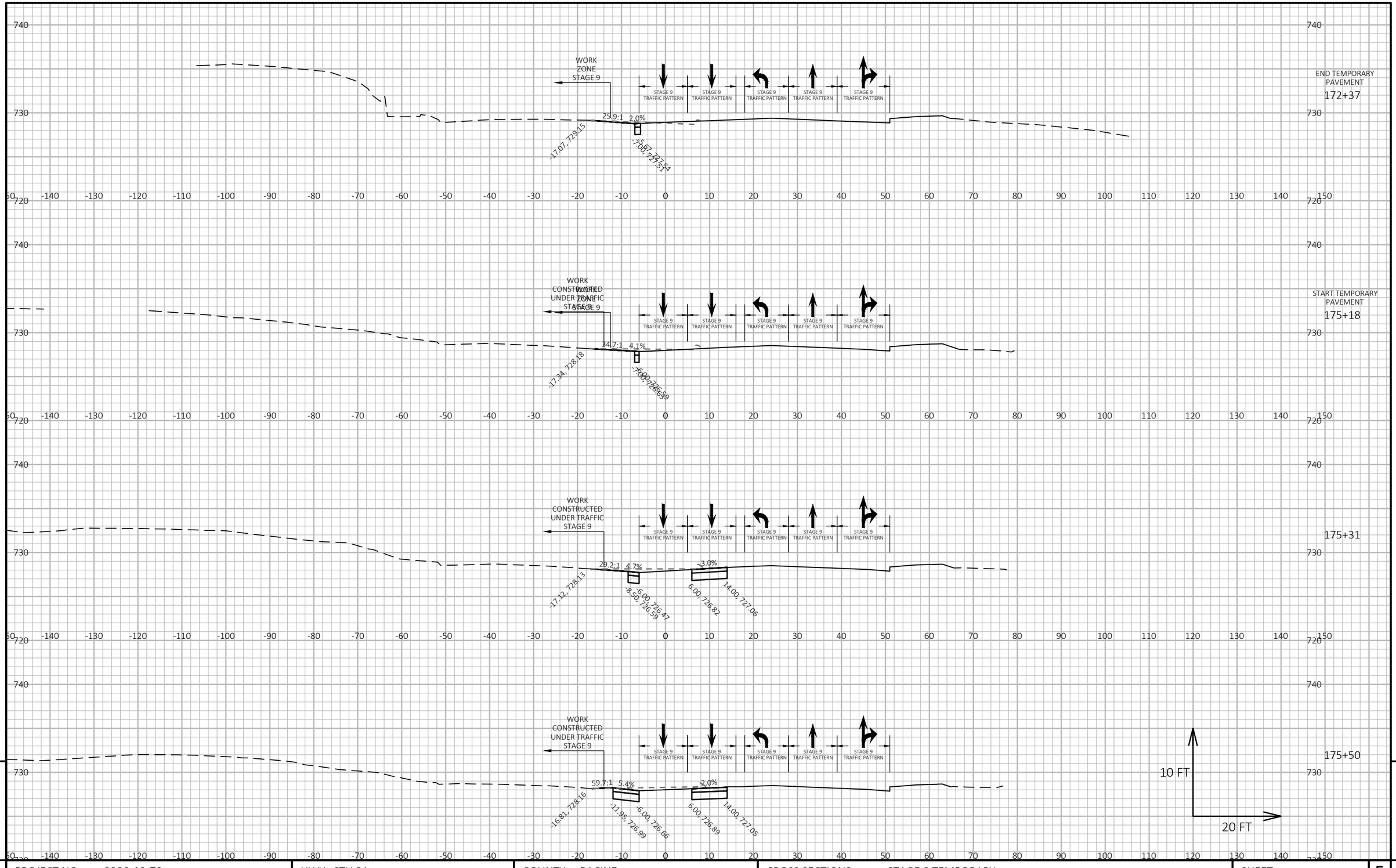
PLOT DATE : 7/17/2025 5:08 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1083 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 49

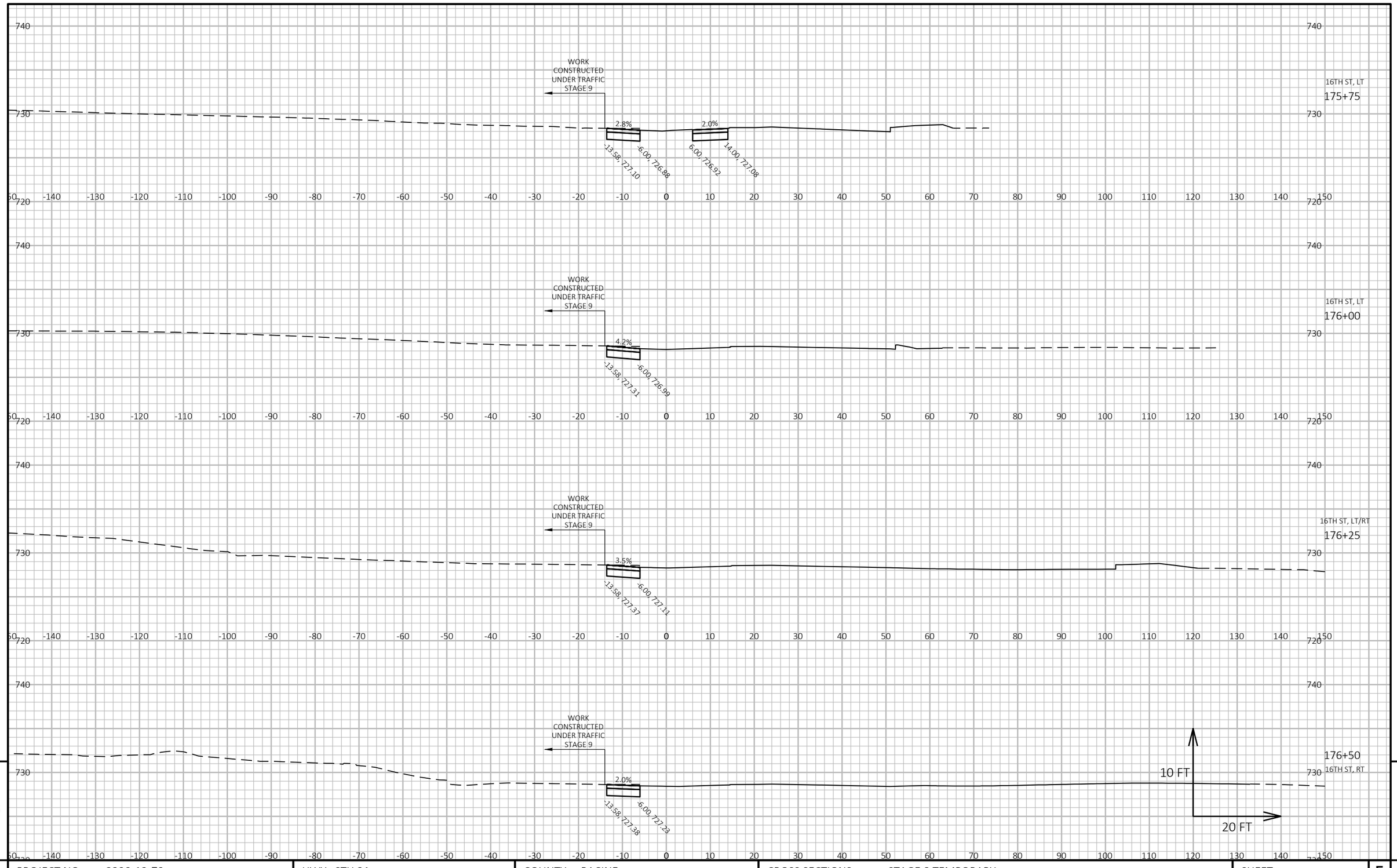
PLOT DATE : 7/17/2025 5:08 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



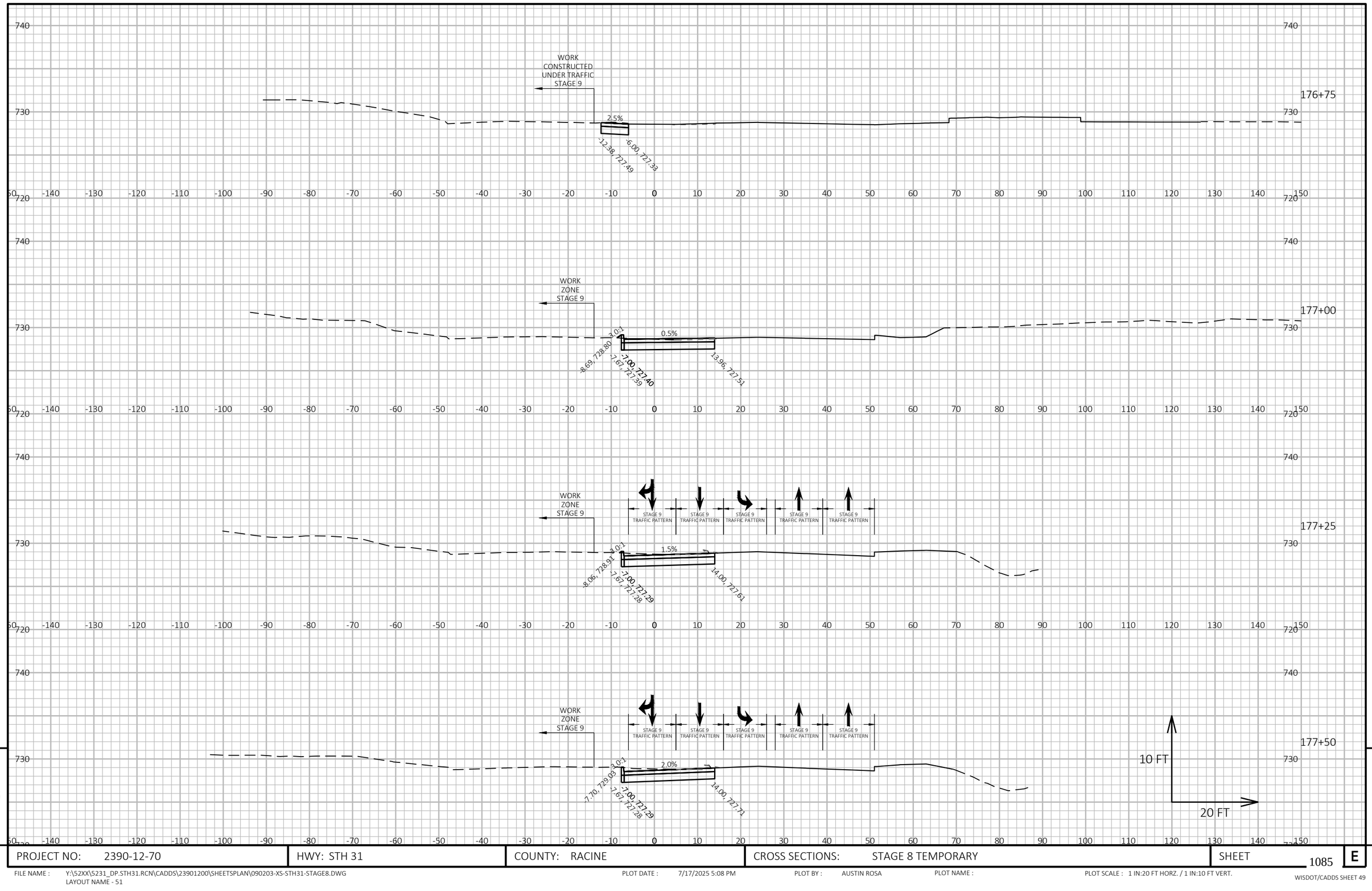
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1084	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 50

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

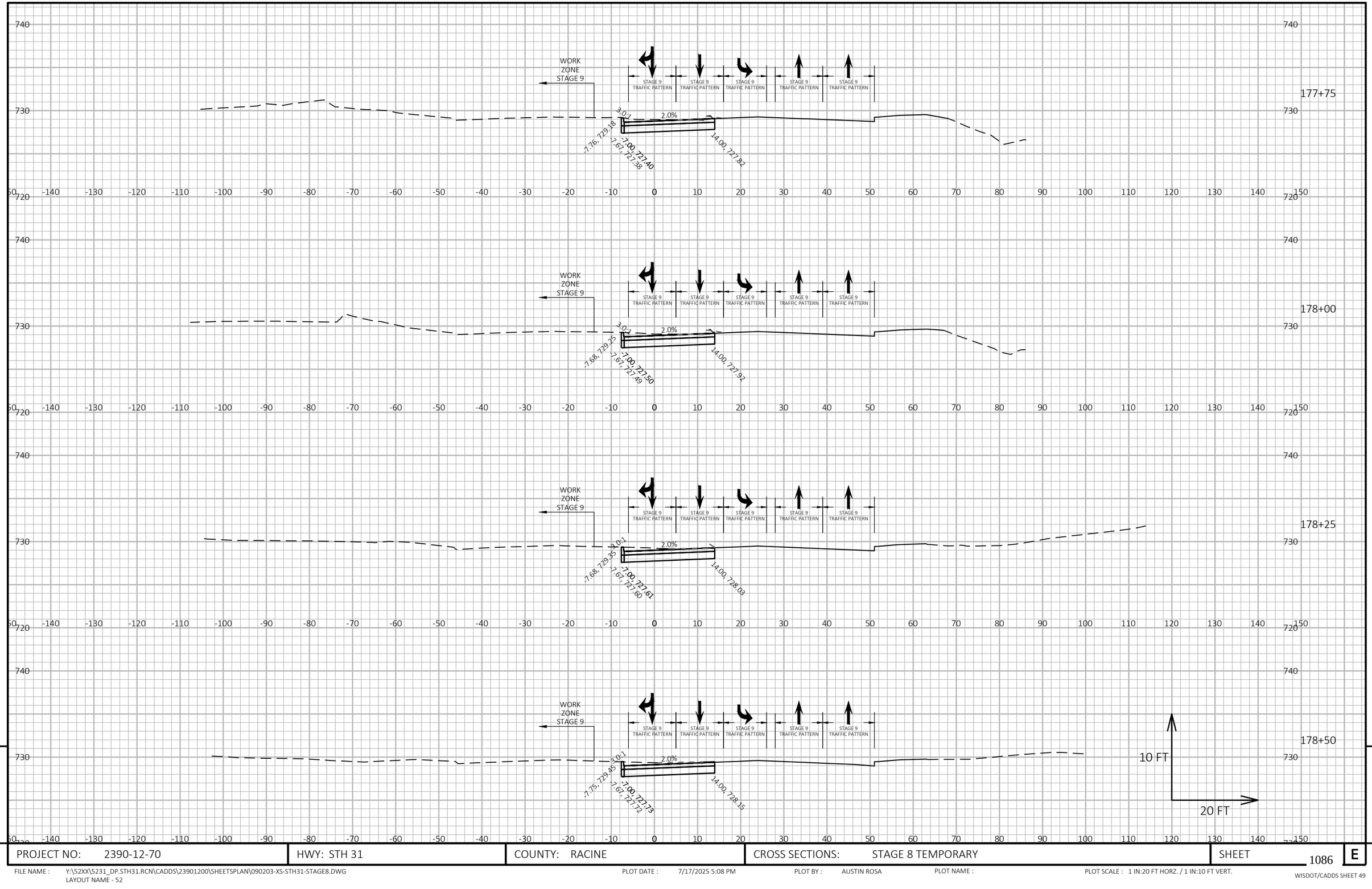
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1085	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 51

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

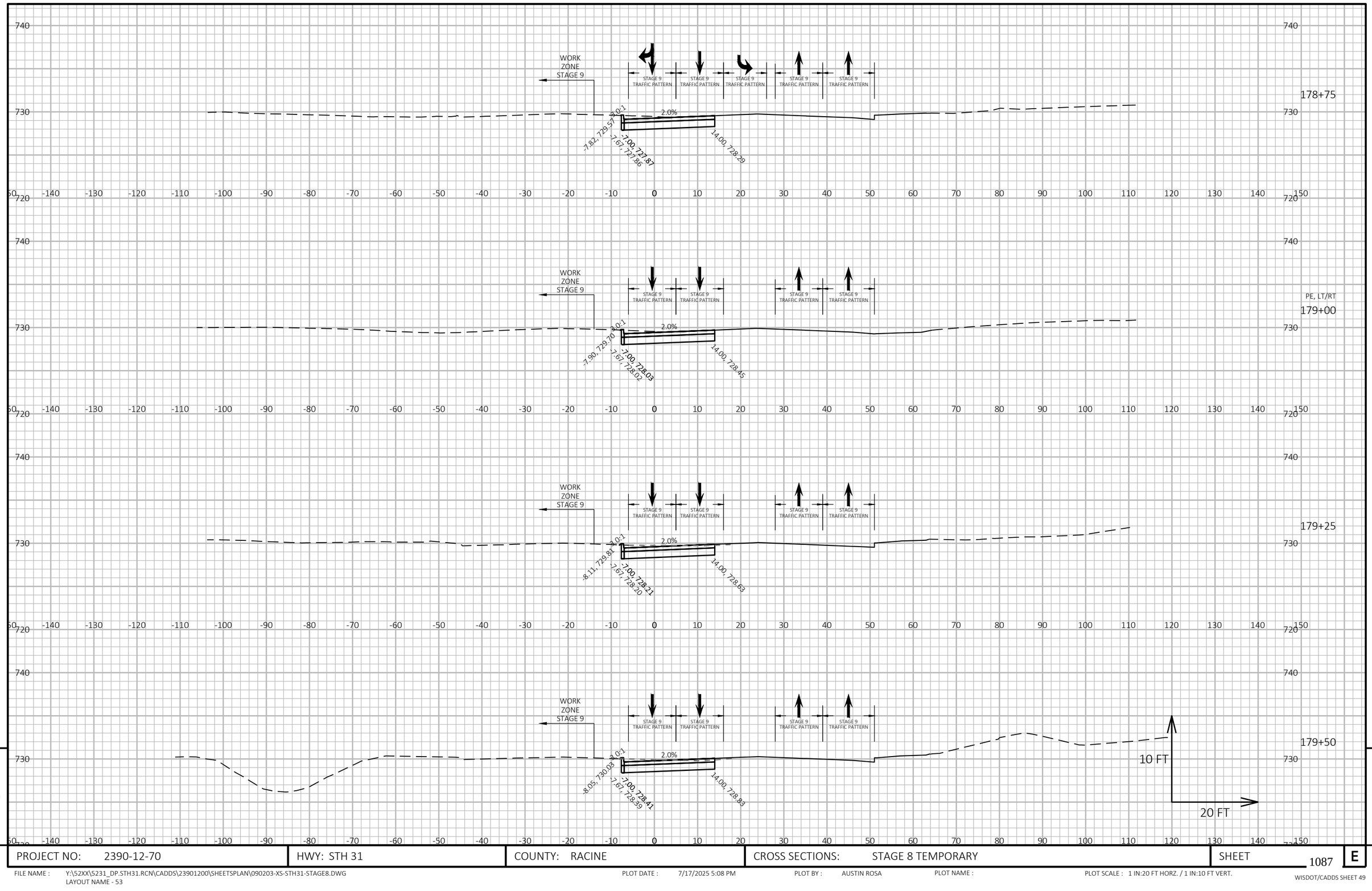
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1086	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 52

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

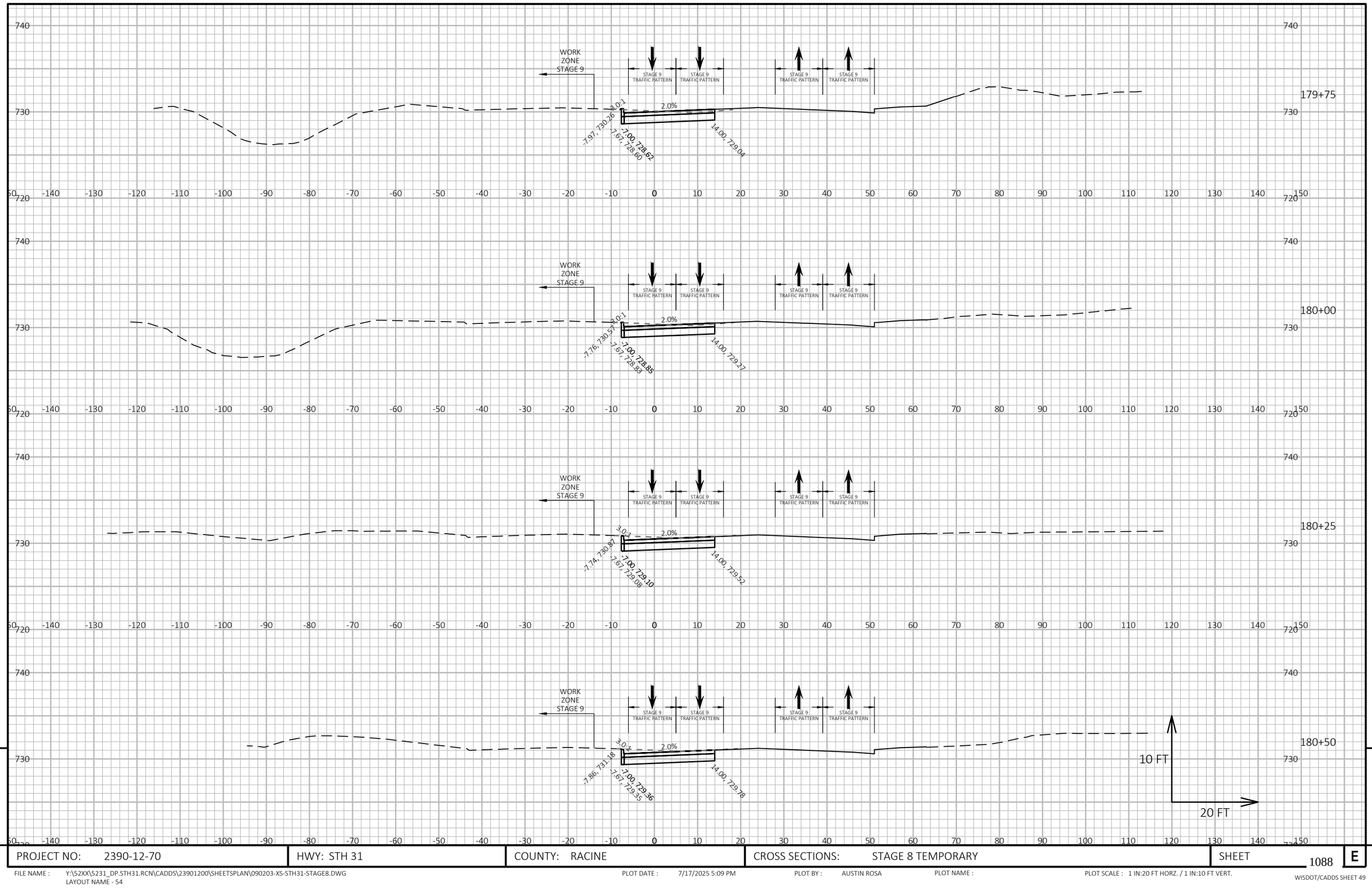
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1087	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 53

PLOT DATE : 7/17/2025 5:08 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



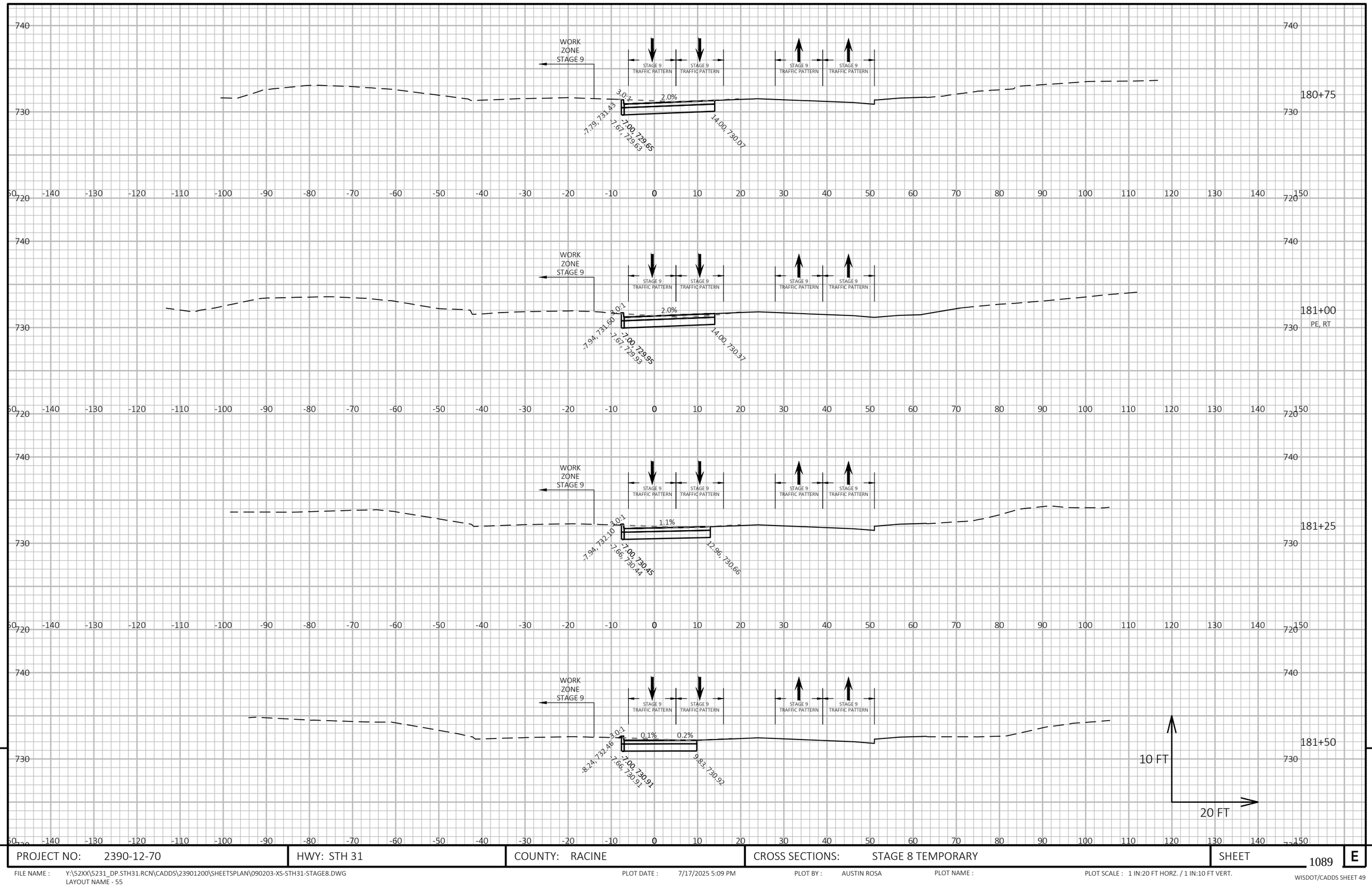
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1088	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 54

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



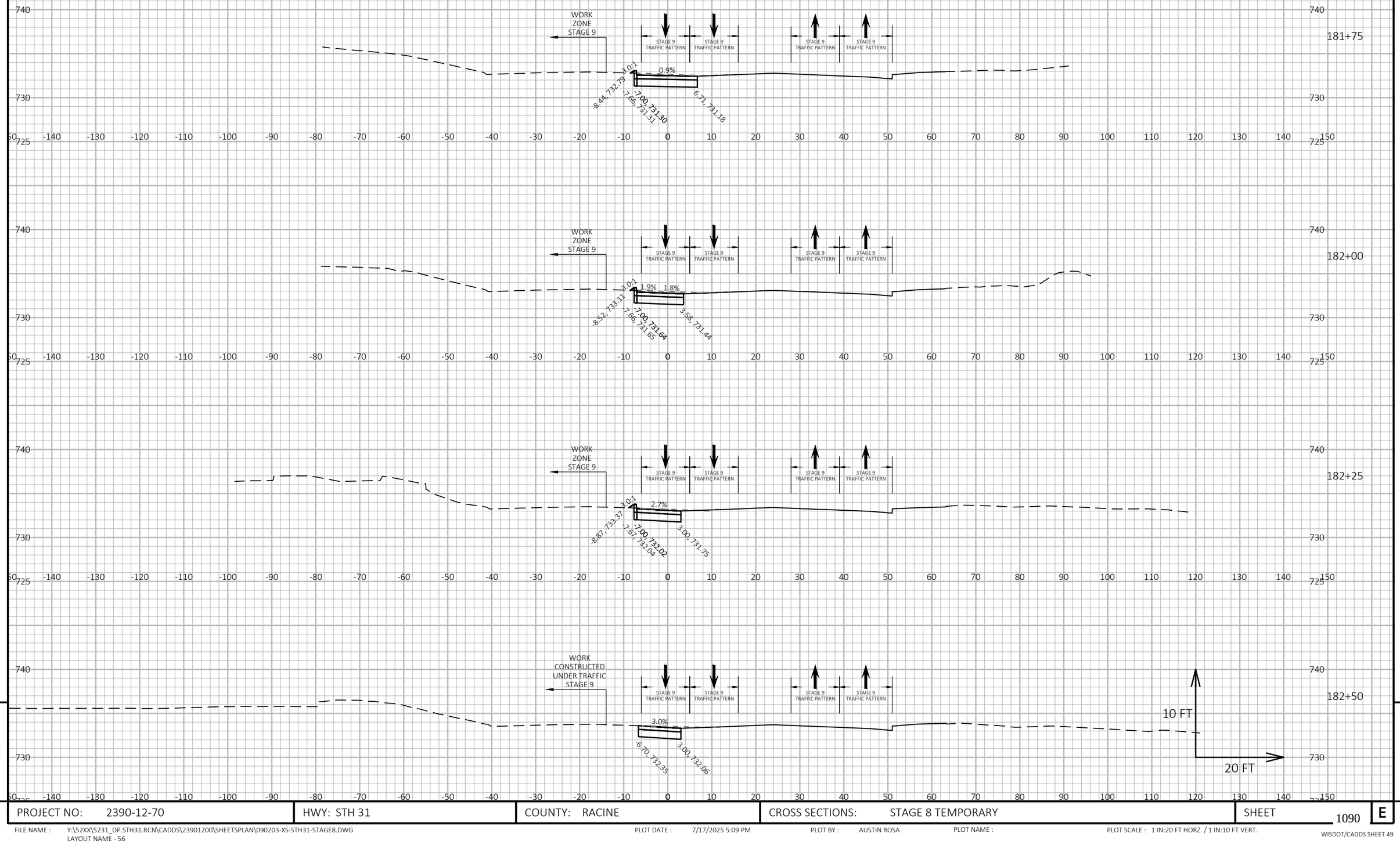
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1089	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 55

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

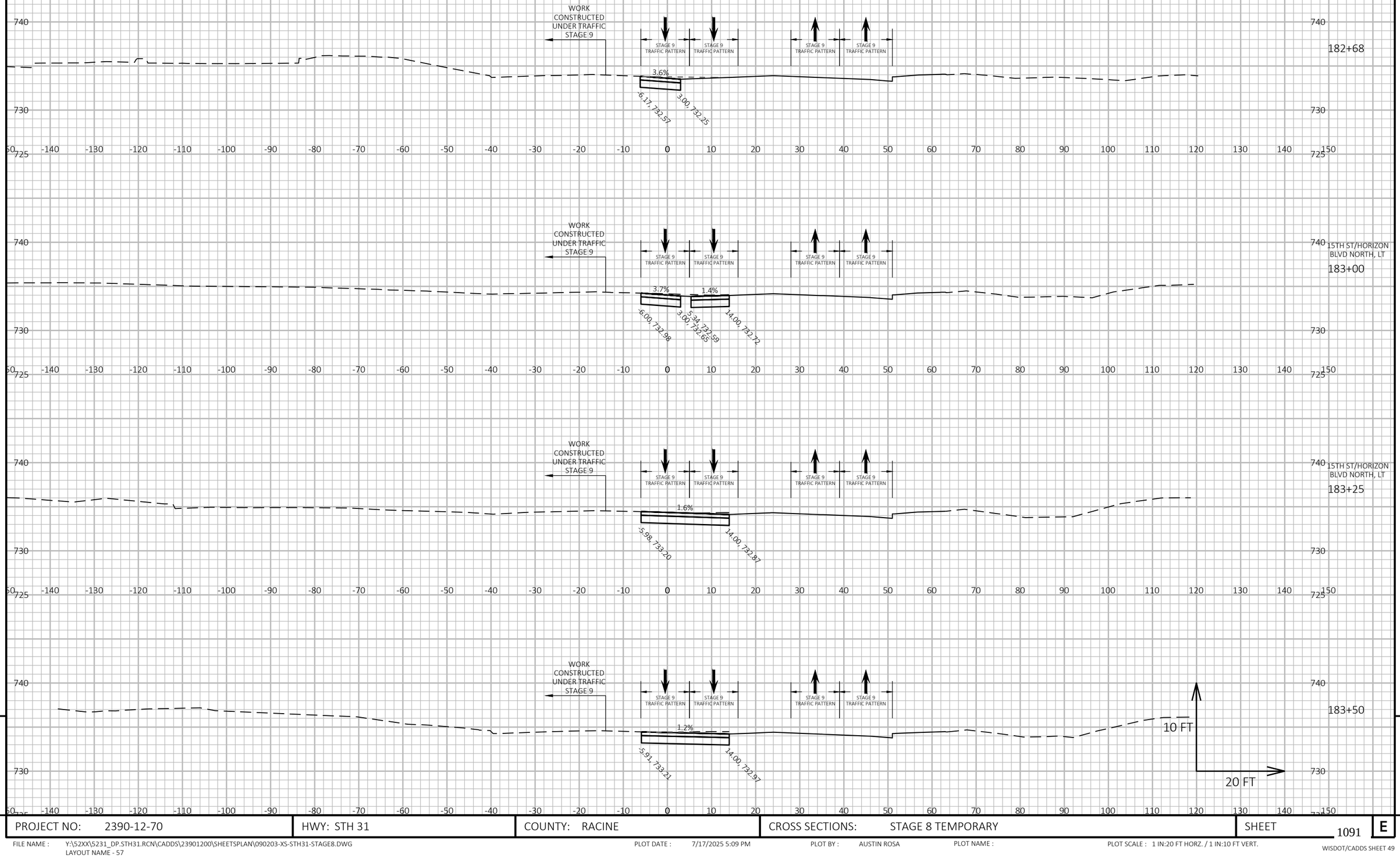
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1090	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 56

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



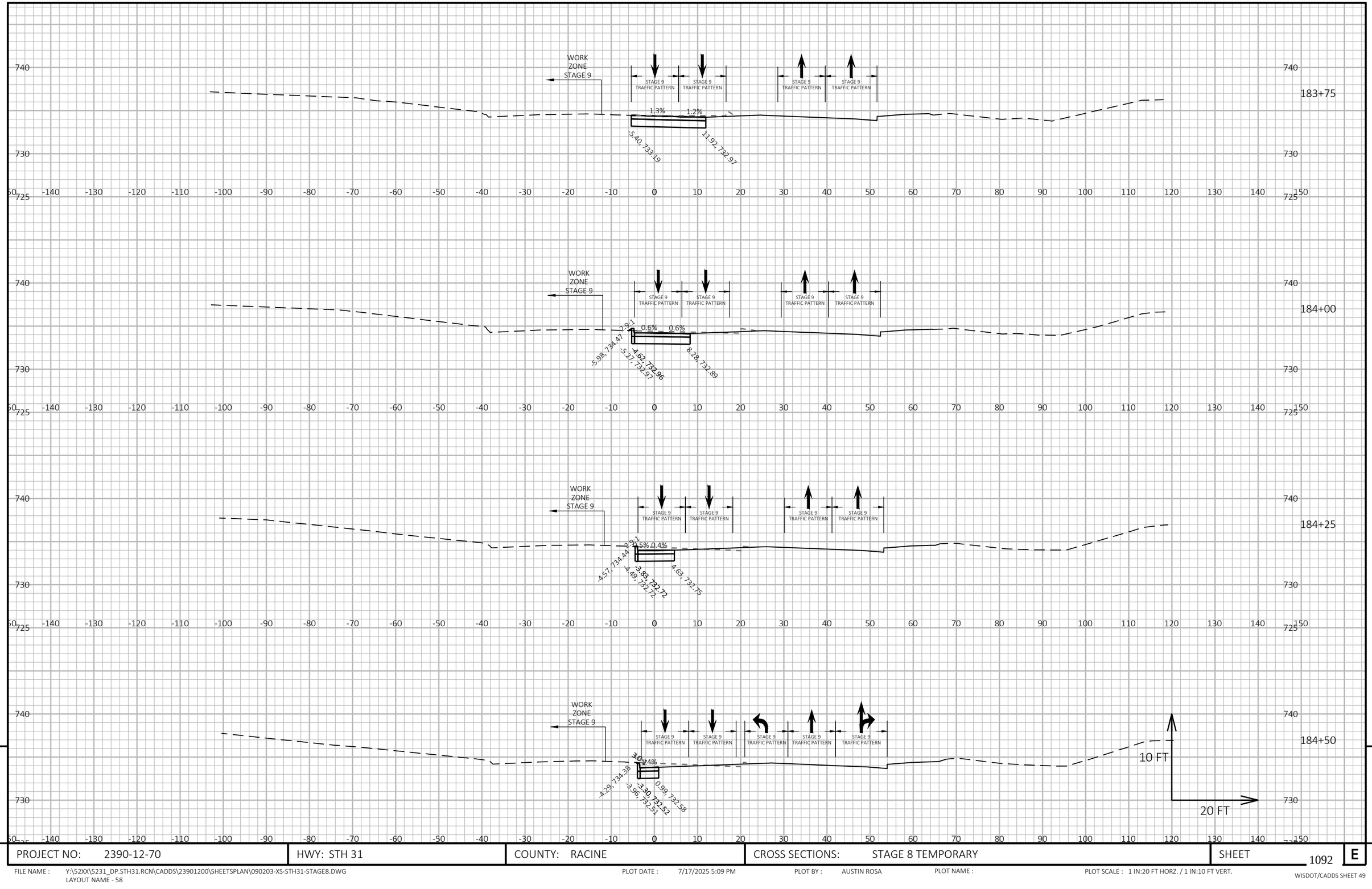
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1091	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 57

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

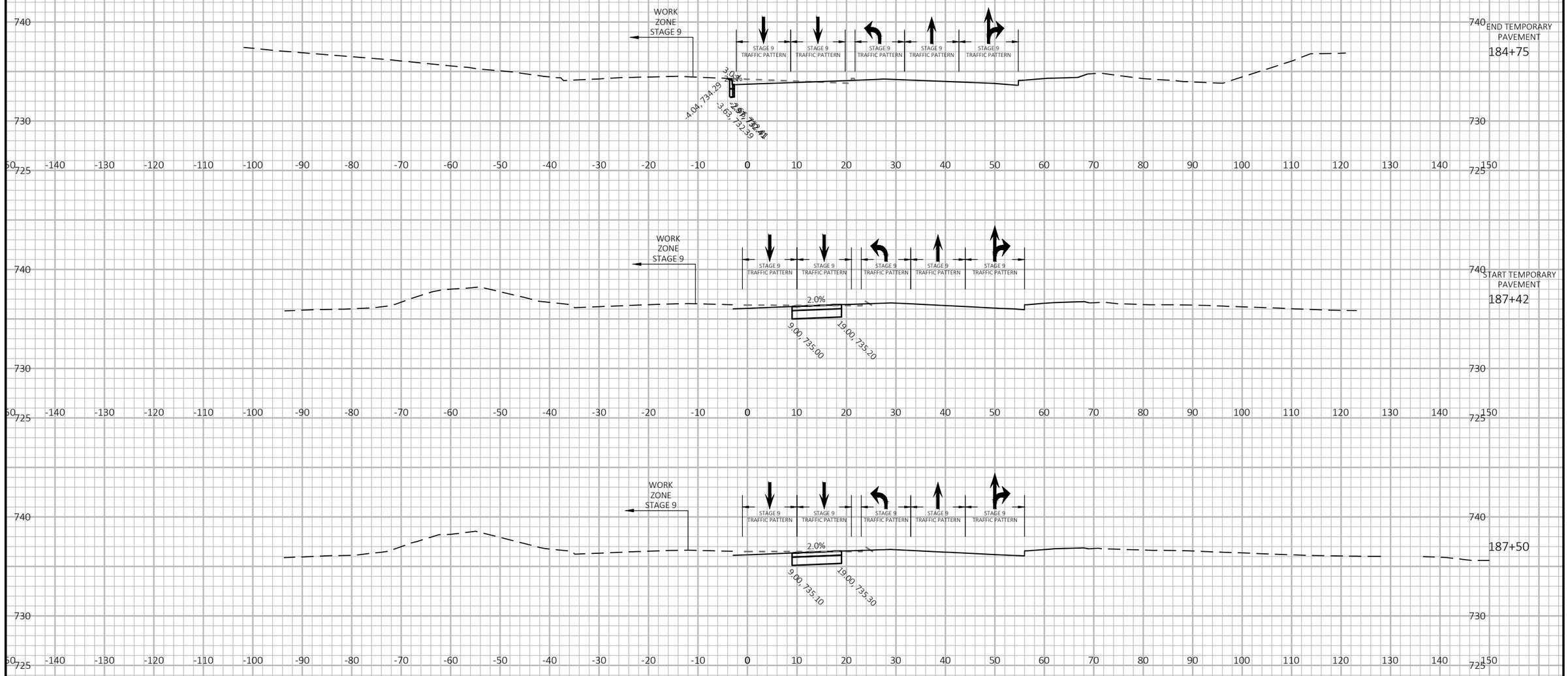
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1092	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 58

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1093	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 59

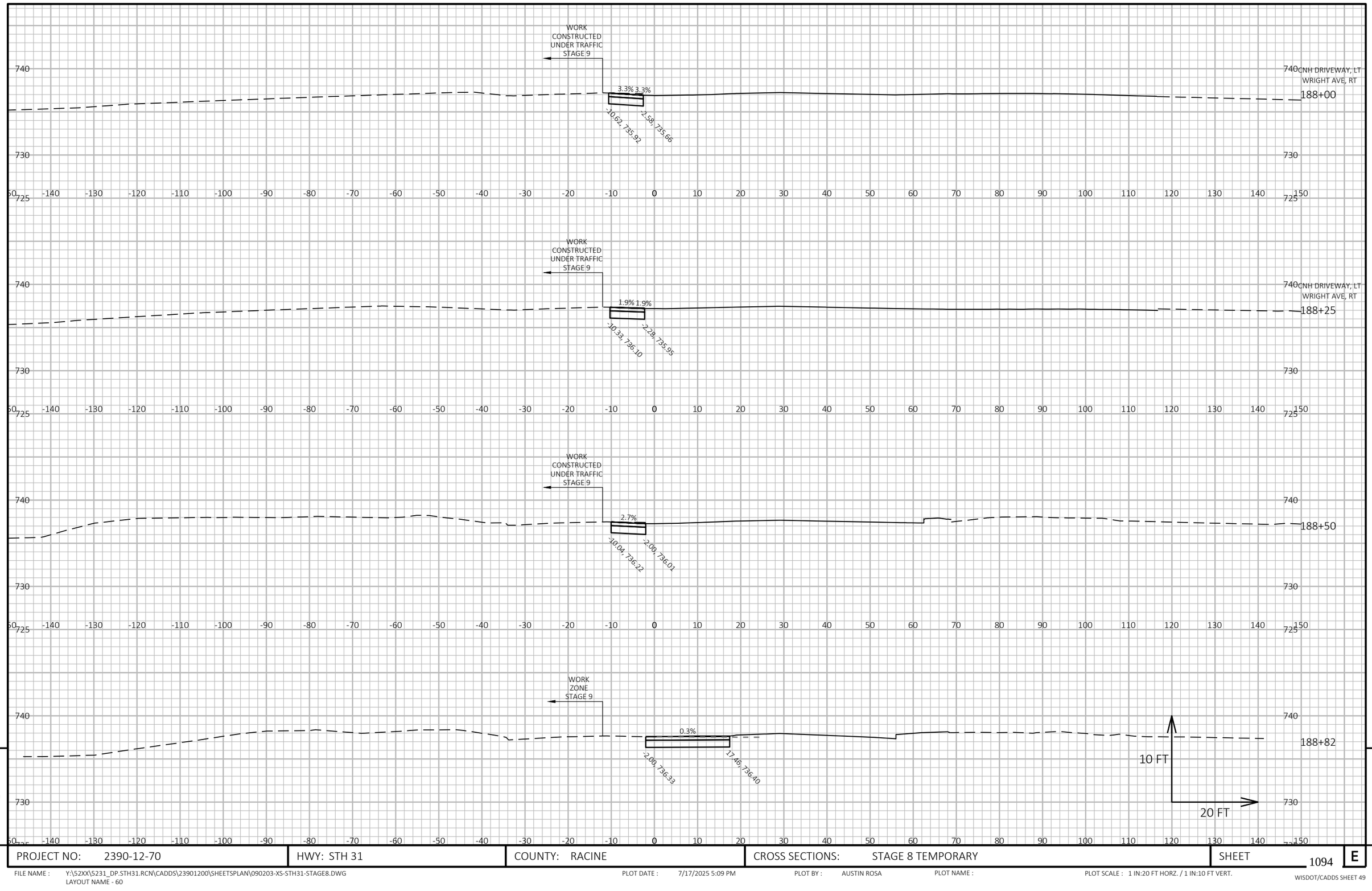
PLOT DATE : 7/17/2025 5:09 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1094	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 60

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1095	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 61

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

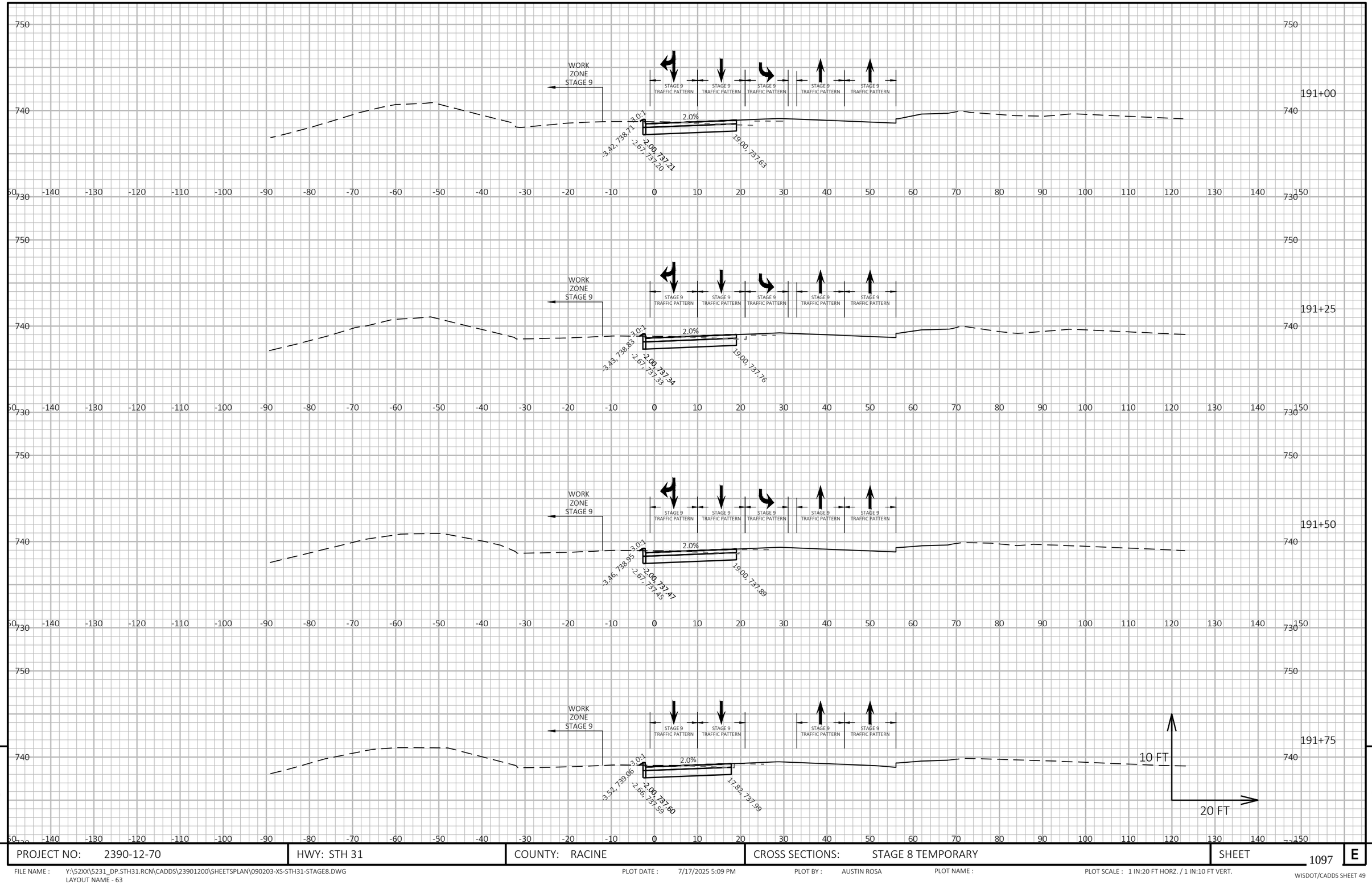
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9

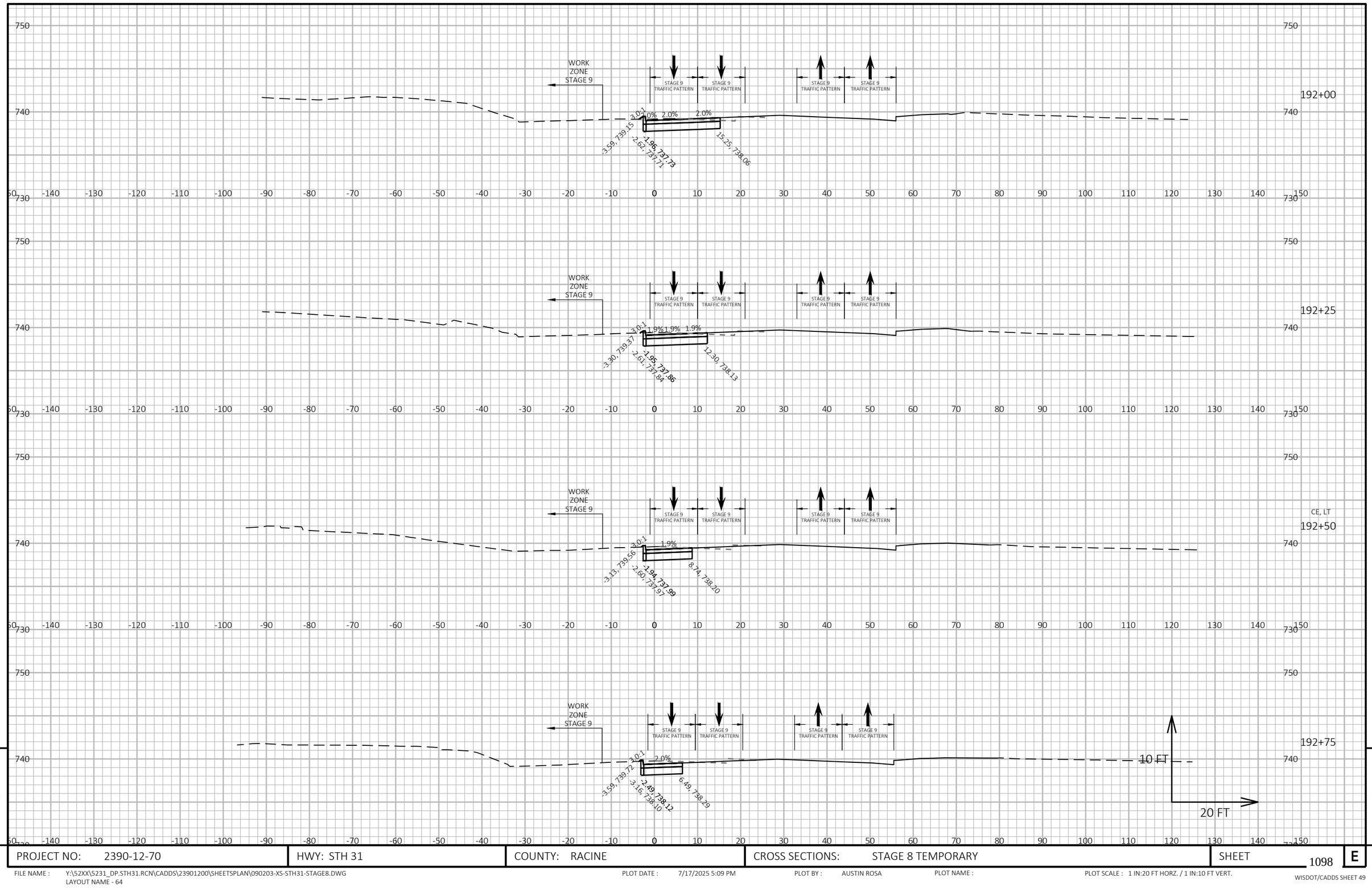
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1096	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 62

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1097 E



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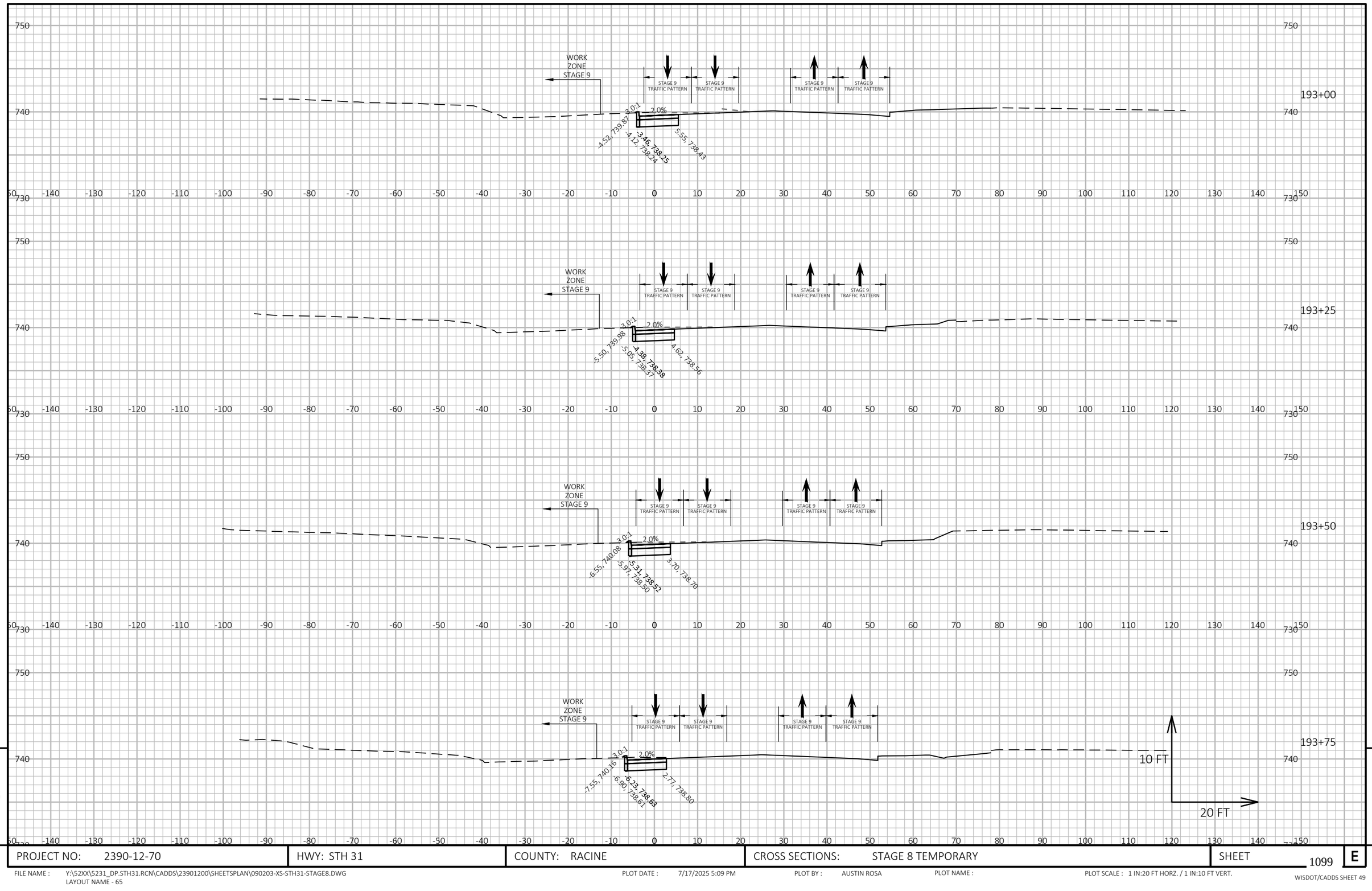
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1098	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 64

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

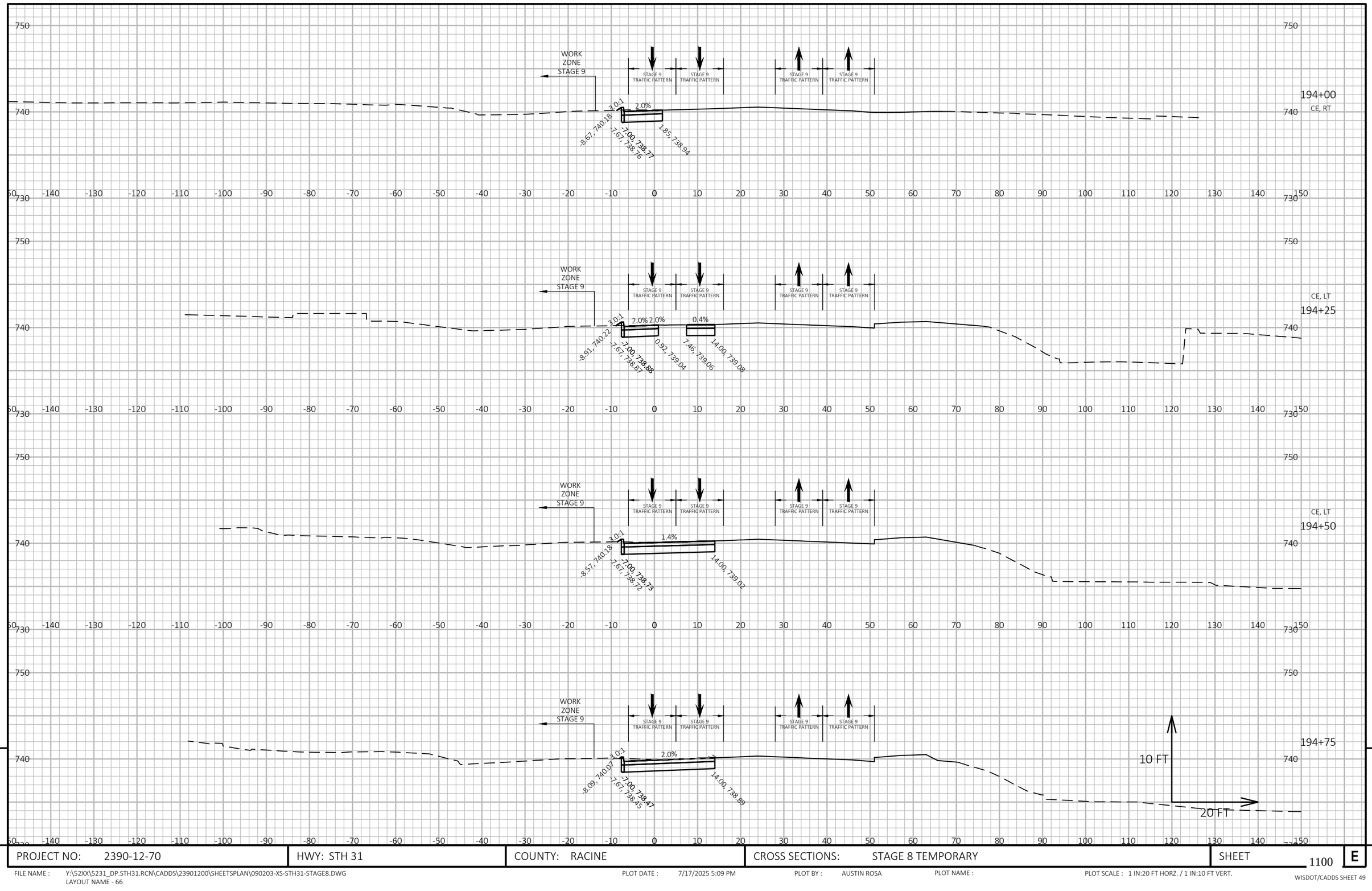


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1099 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 65

PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

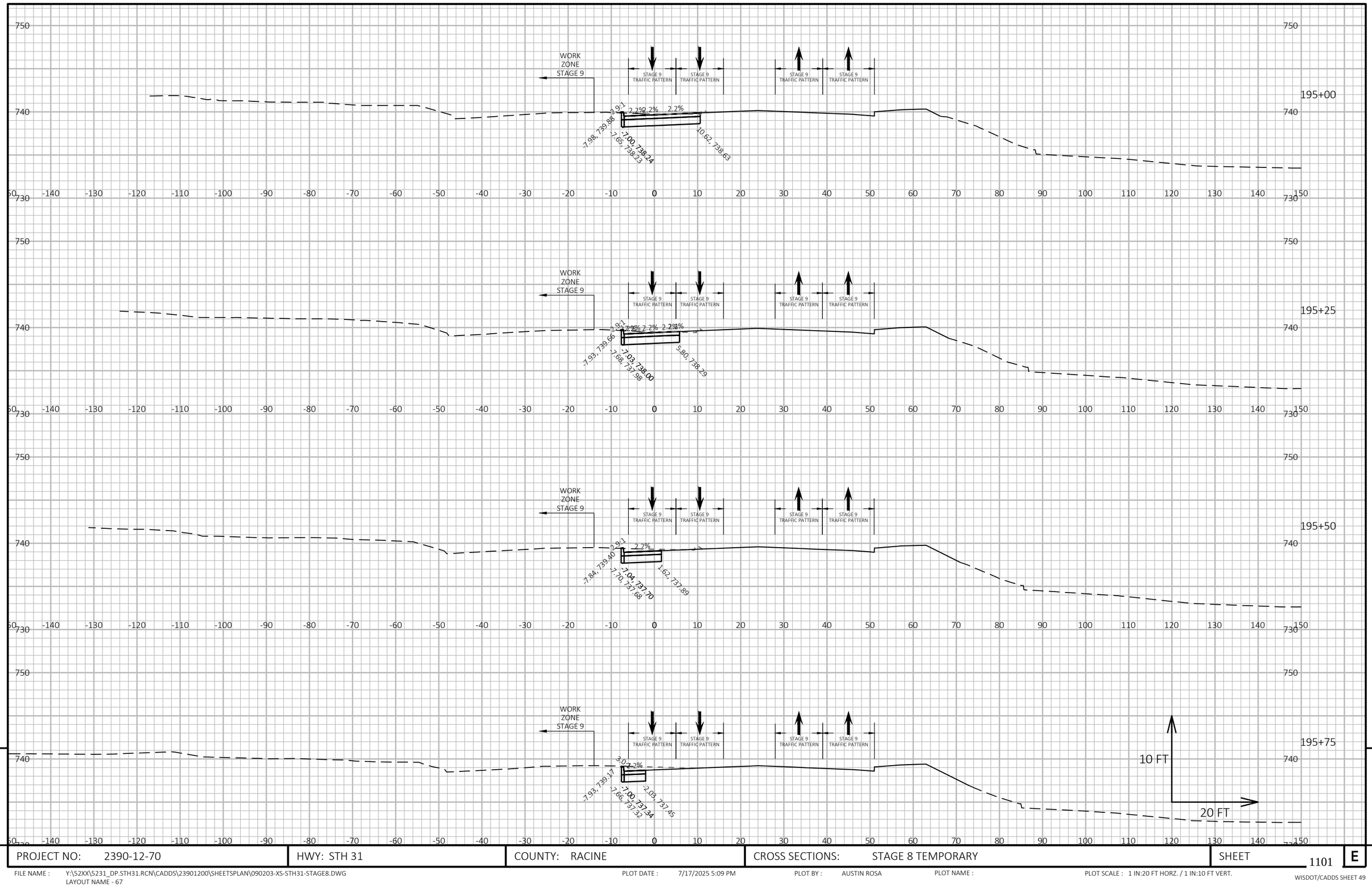
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1100	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 66

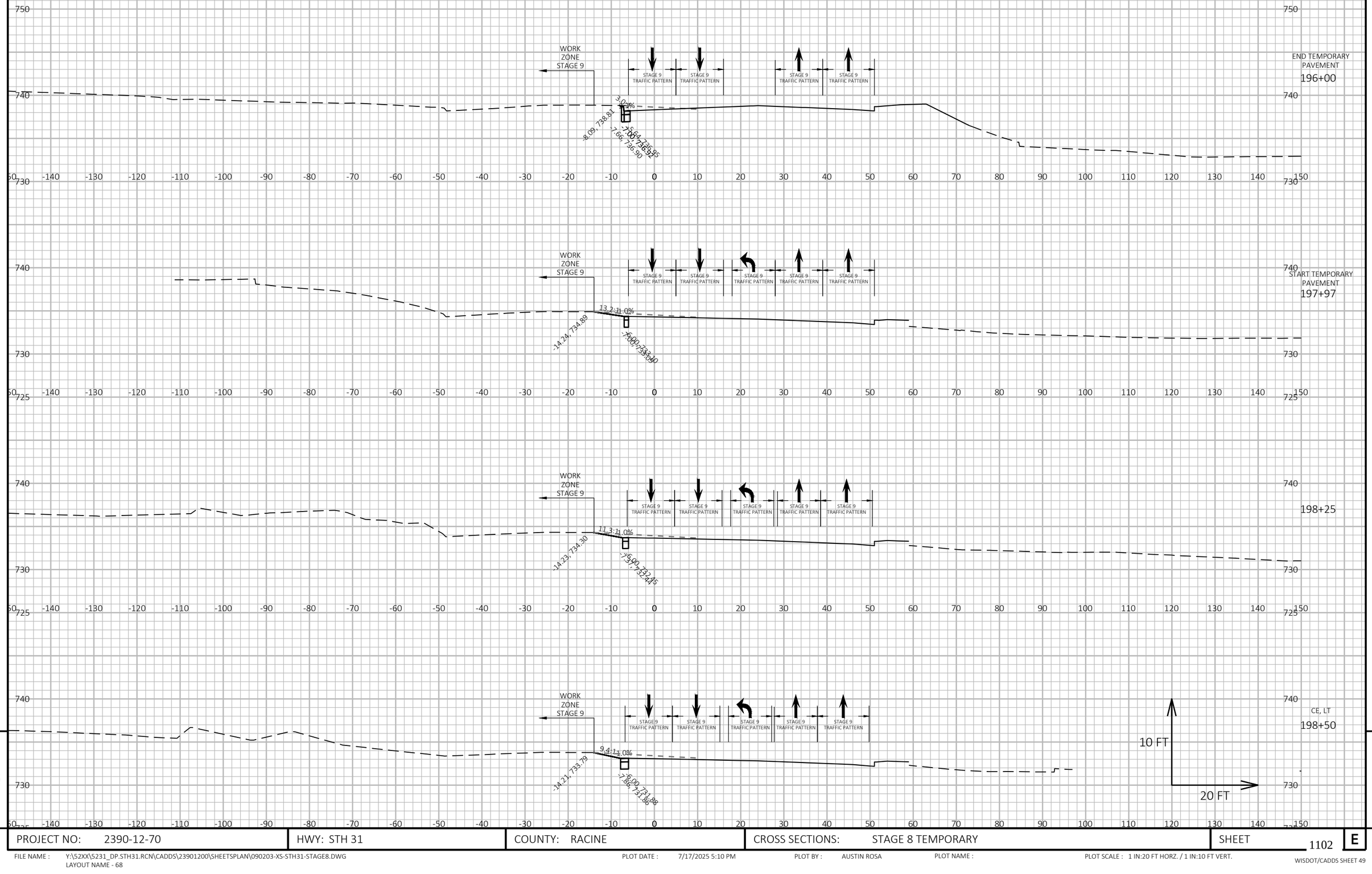
PLOT DATE : 7/17/2025 5:09 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1101 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 67
PLOT DATE : 7/17/2025 5:09 PM
PLOT BY : AUSTIN ROSA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

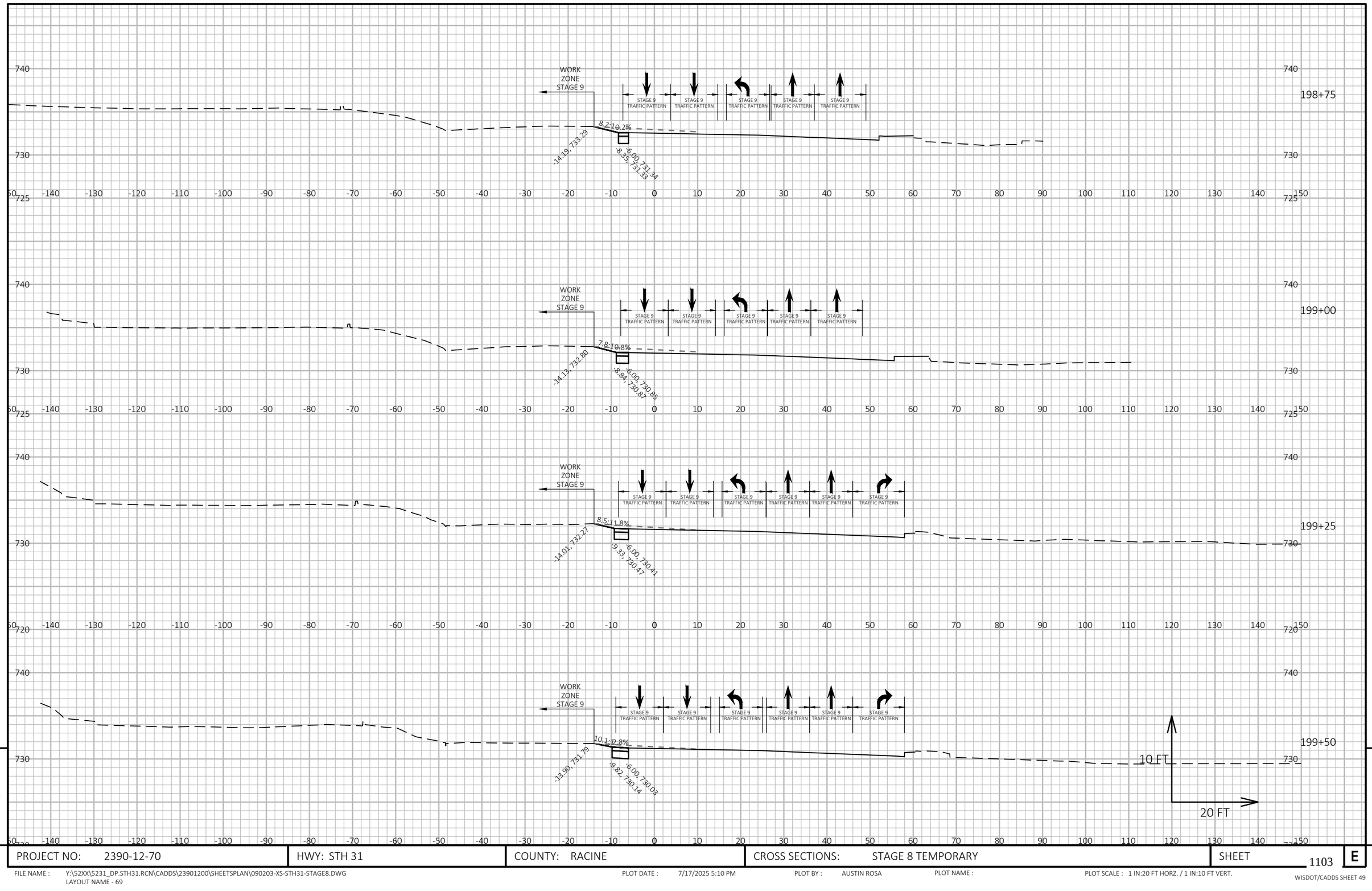
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1102	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 68

PLOT DATE : 7/17/2025 5:10 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

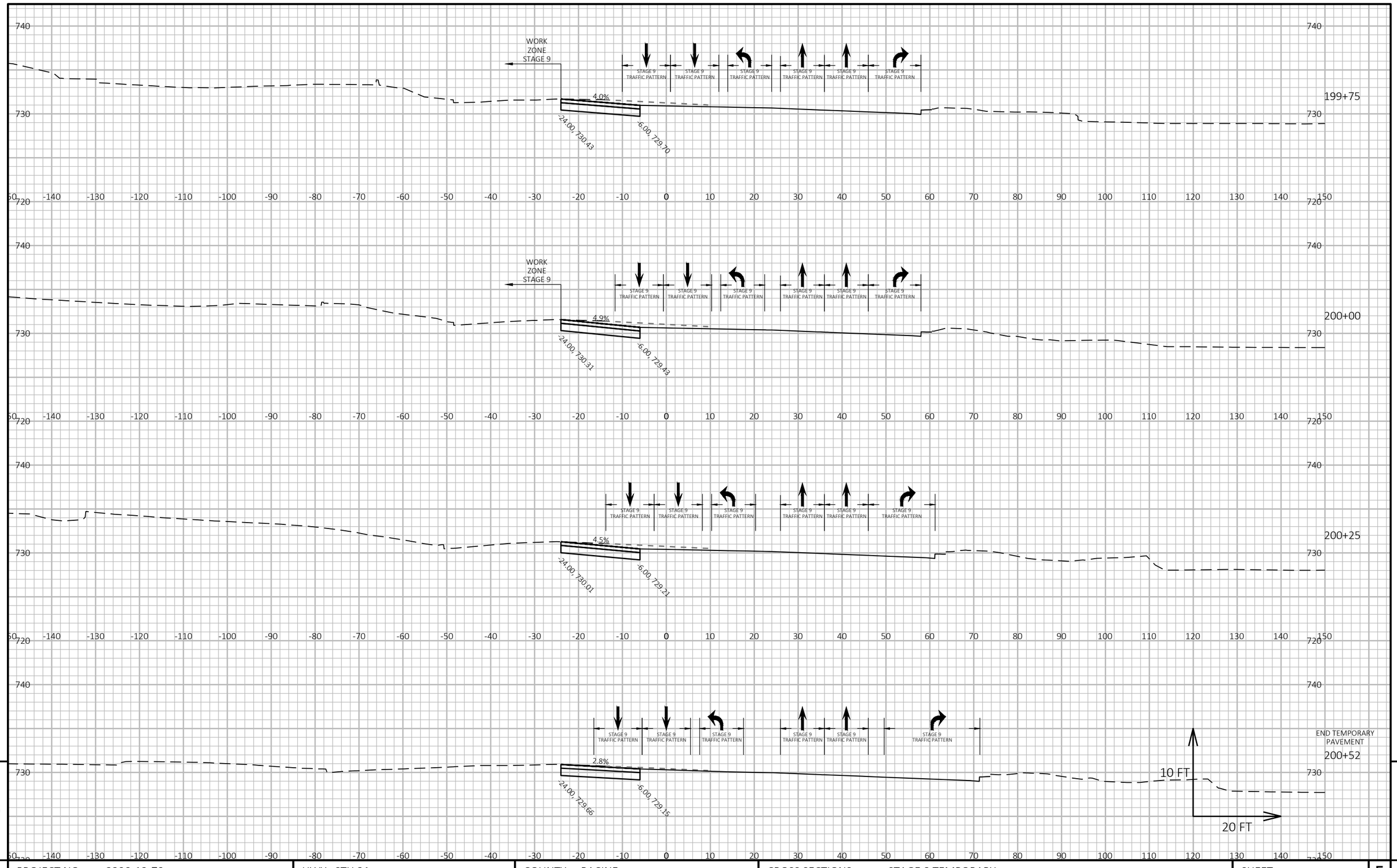
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1103	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 69

PLOT DATE : 7/17/2025 5:10 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

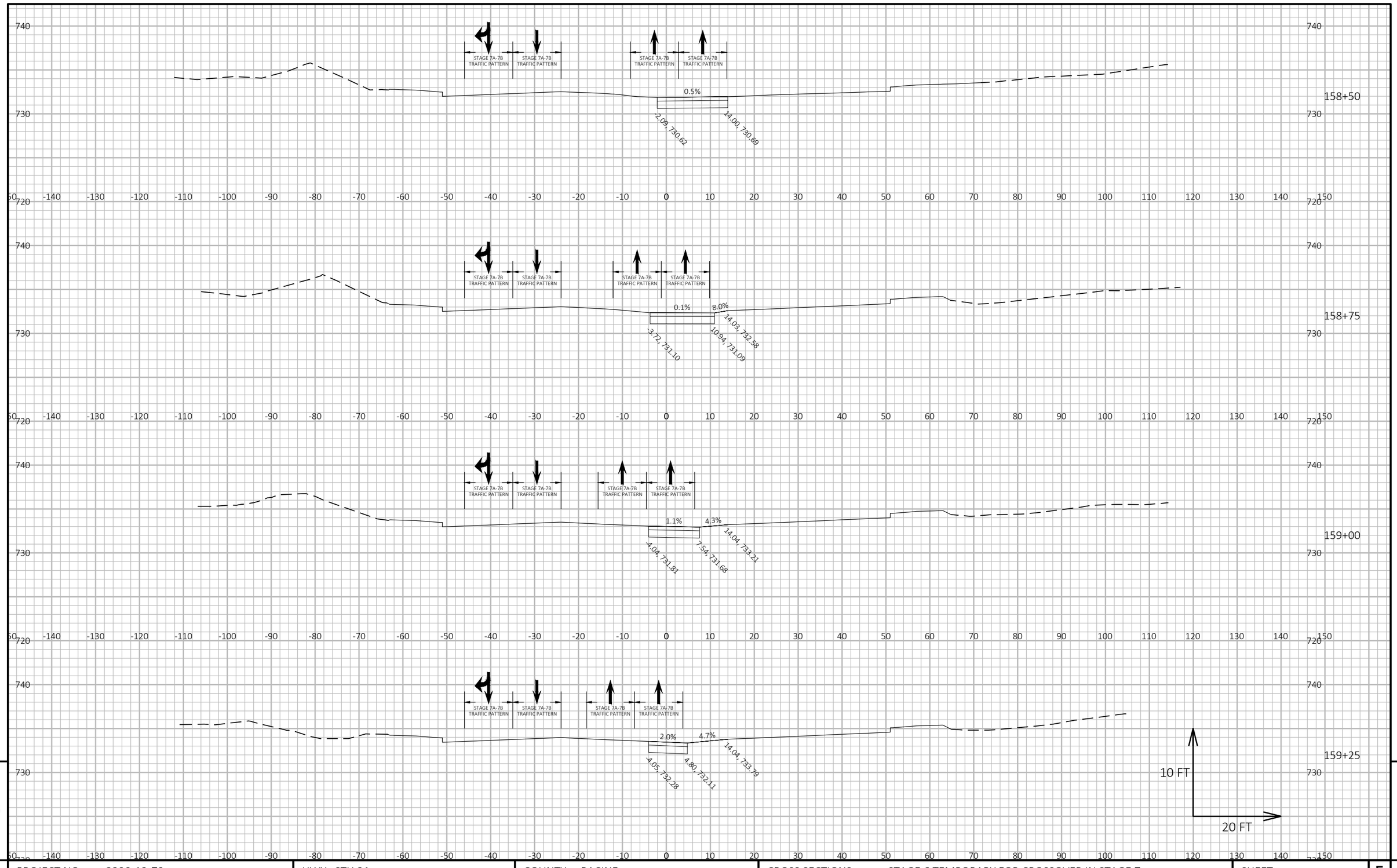
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 8 TEMPORARY	SHEET 1104	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090203-XS-STH31-STAGE8.DWG
LAYOUT NAME - 70

PLOT DATE : 7/17/2025 5:10 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1105	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 03

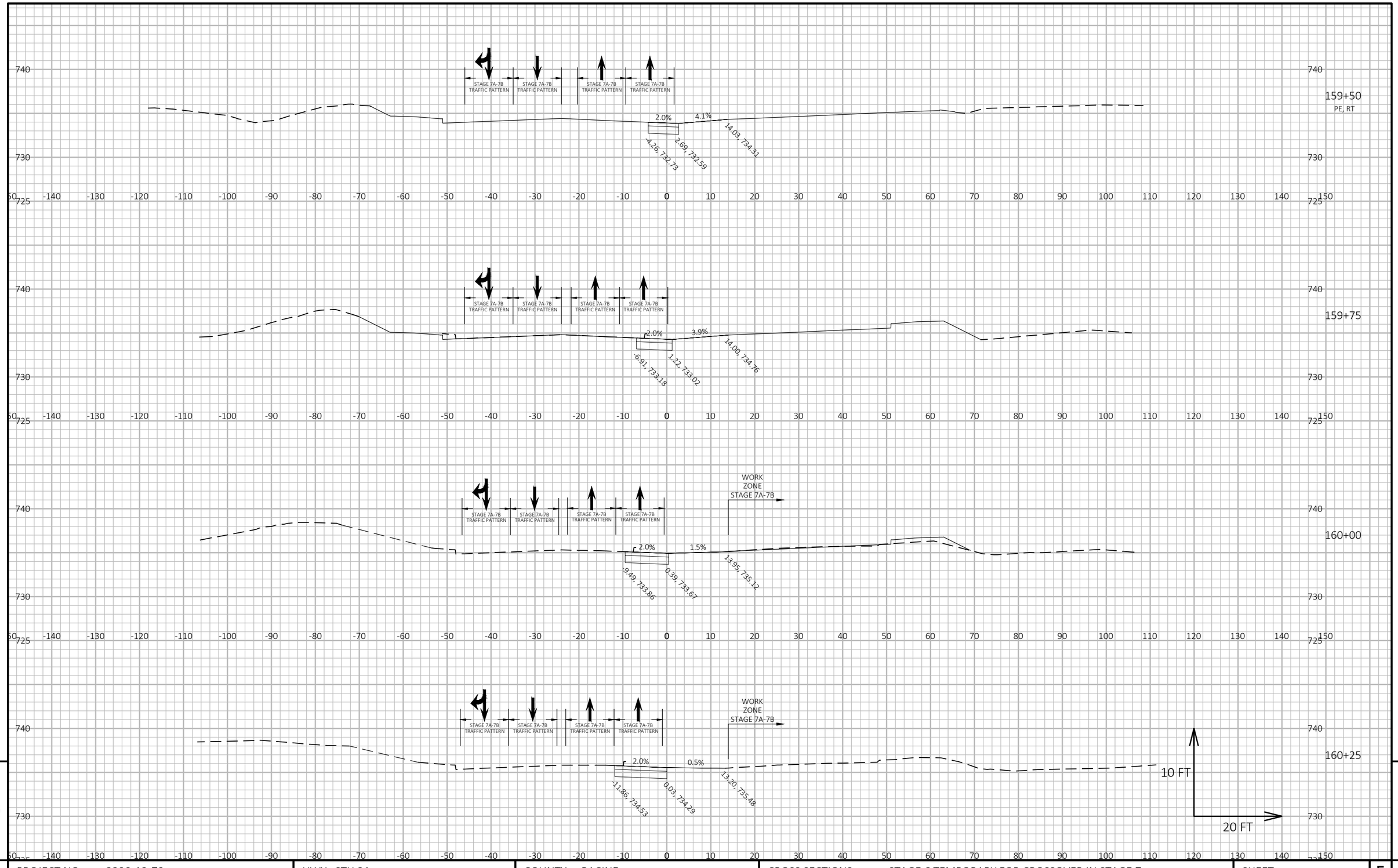
PLOT DATE : 7/17/2025 5:24 PM

PLOT BY : AUSTIN ROSA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



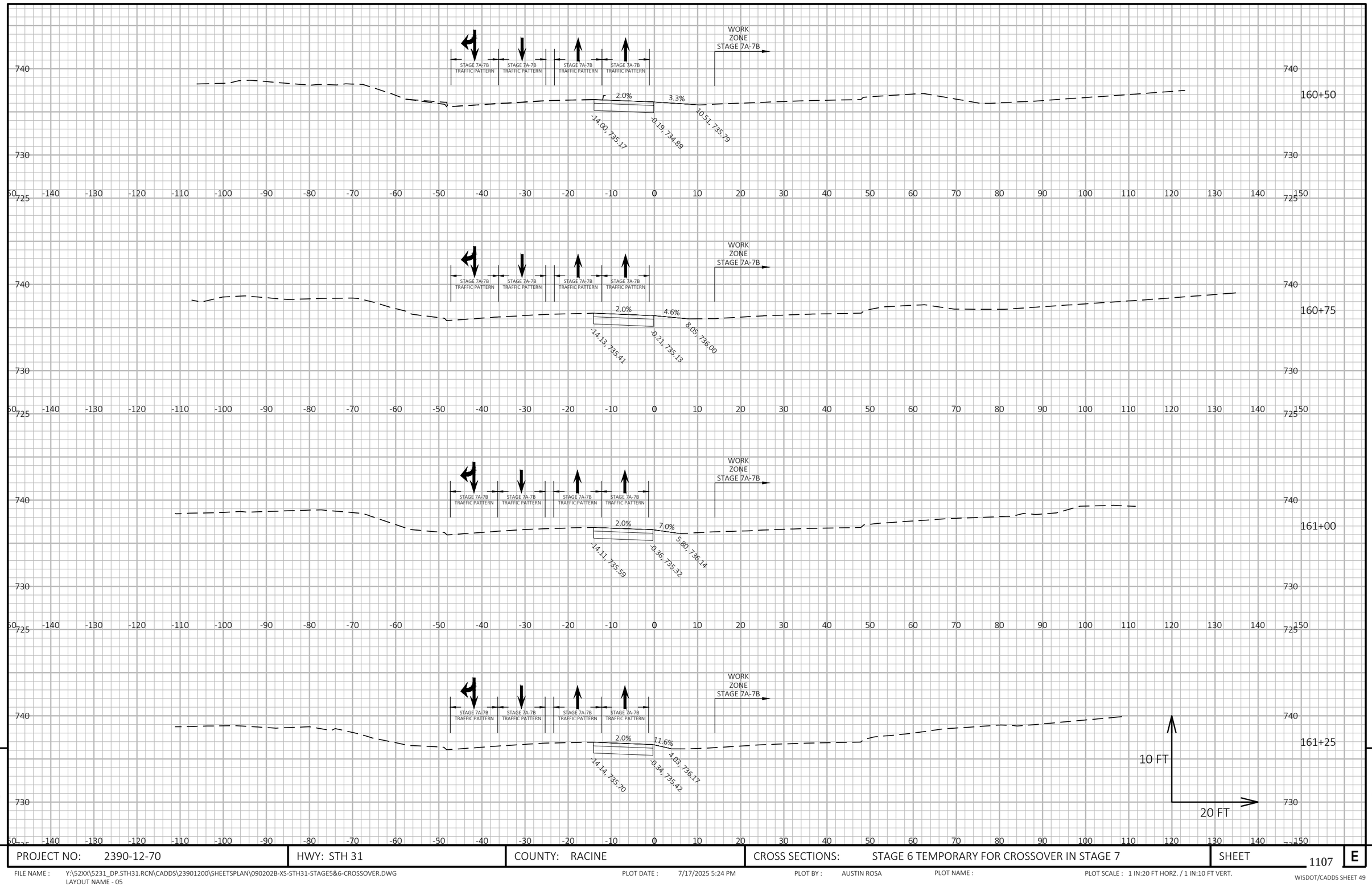
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1106	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 04

PLOT DATE : 7/17/2025 5:24 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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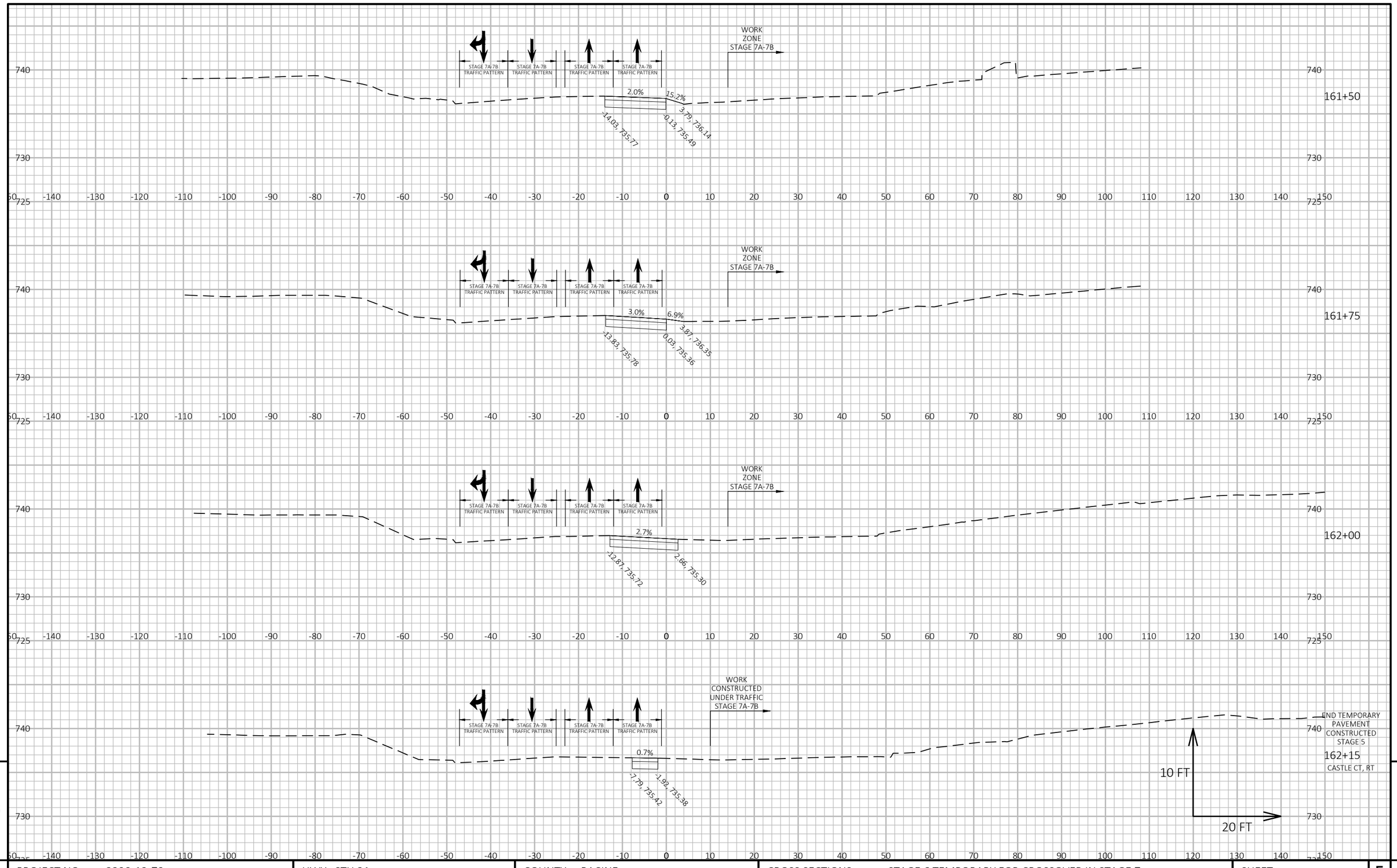
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1107	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 05

PLOT DATE : 7/17/2025 5:24 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

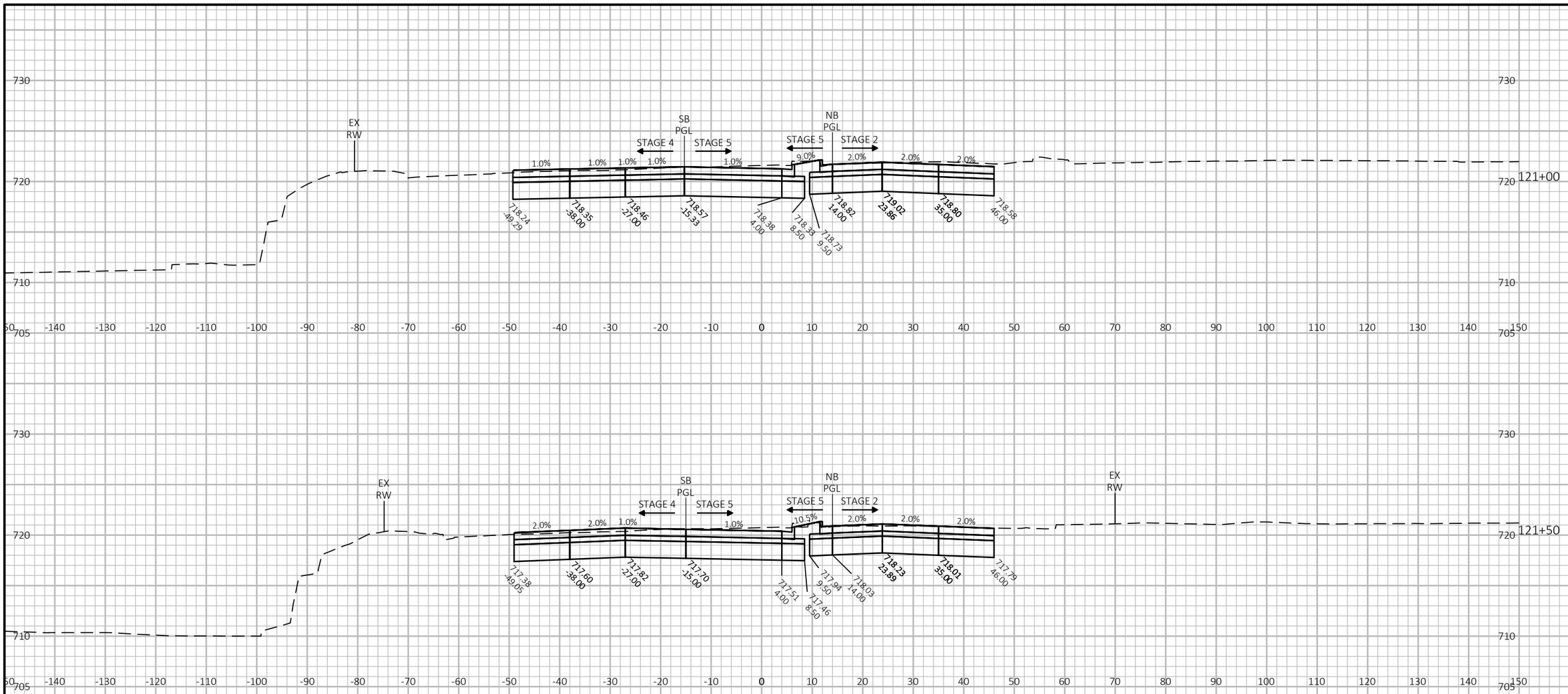
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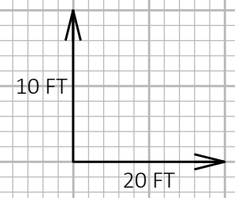
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STAGE 6 TEMPORARY FOR CROSSOVER IN STAGE 7	SHEET 1108	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090202B-XS-STH31-STAGE5&6-CROSSOVER.DWG
LAYOUT NAME - 06

PLOT DATE : 7/17/2025 5:24 PM PLOT BY : AUSTIN ROSA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

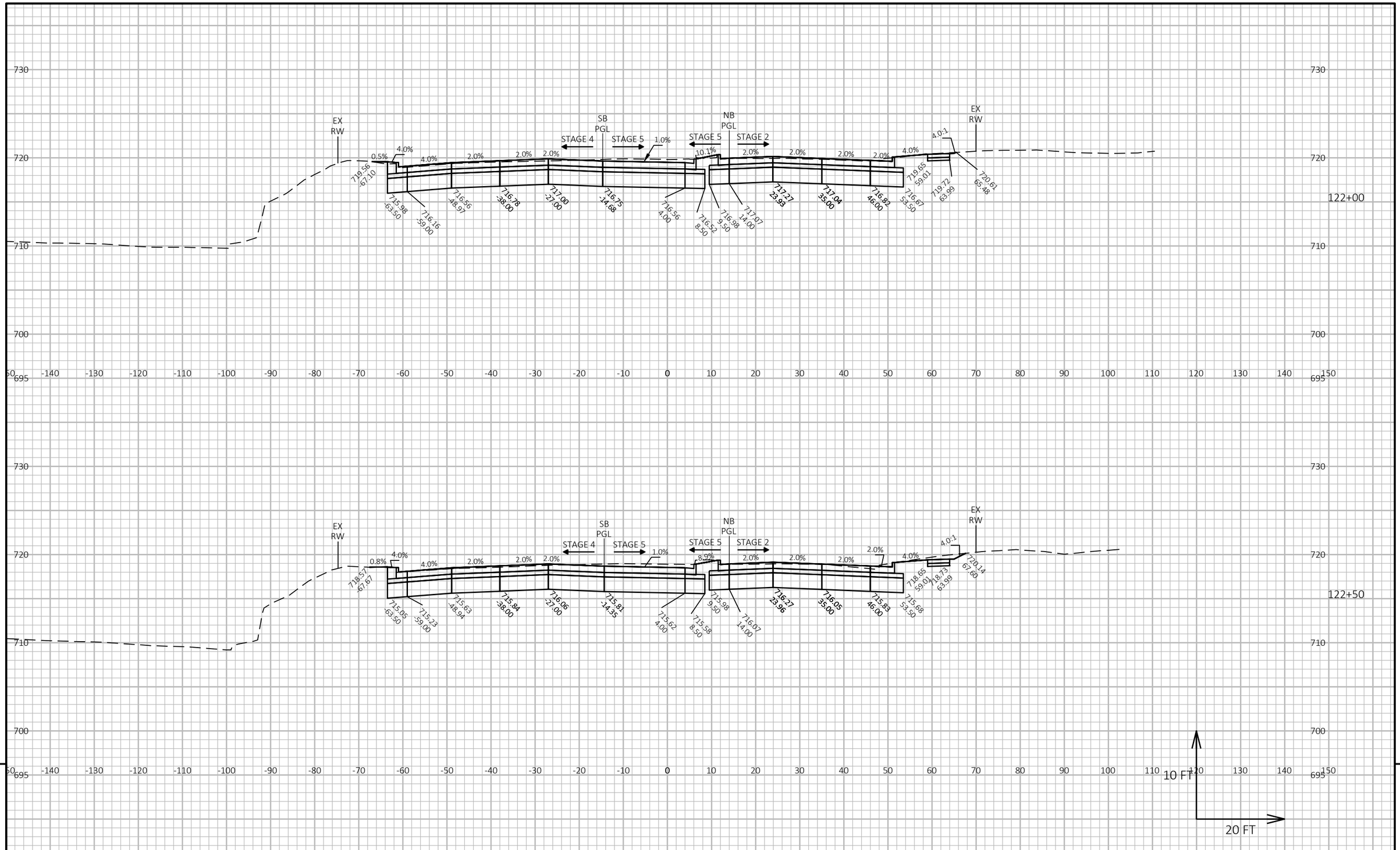
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1109	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2025 12:49 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

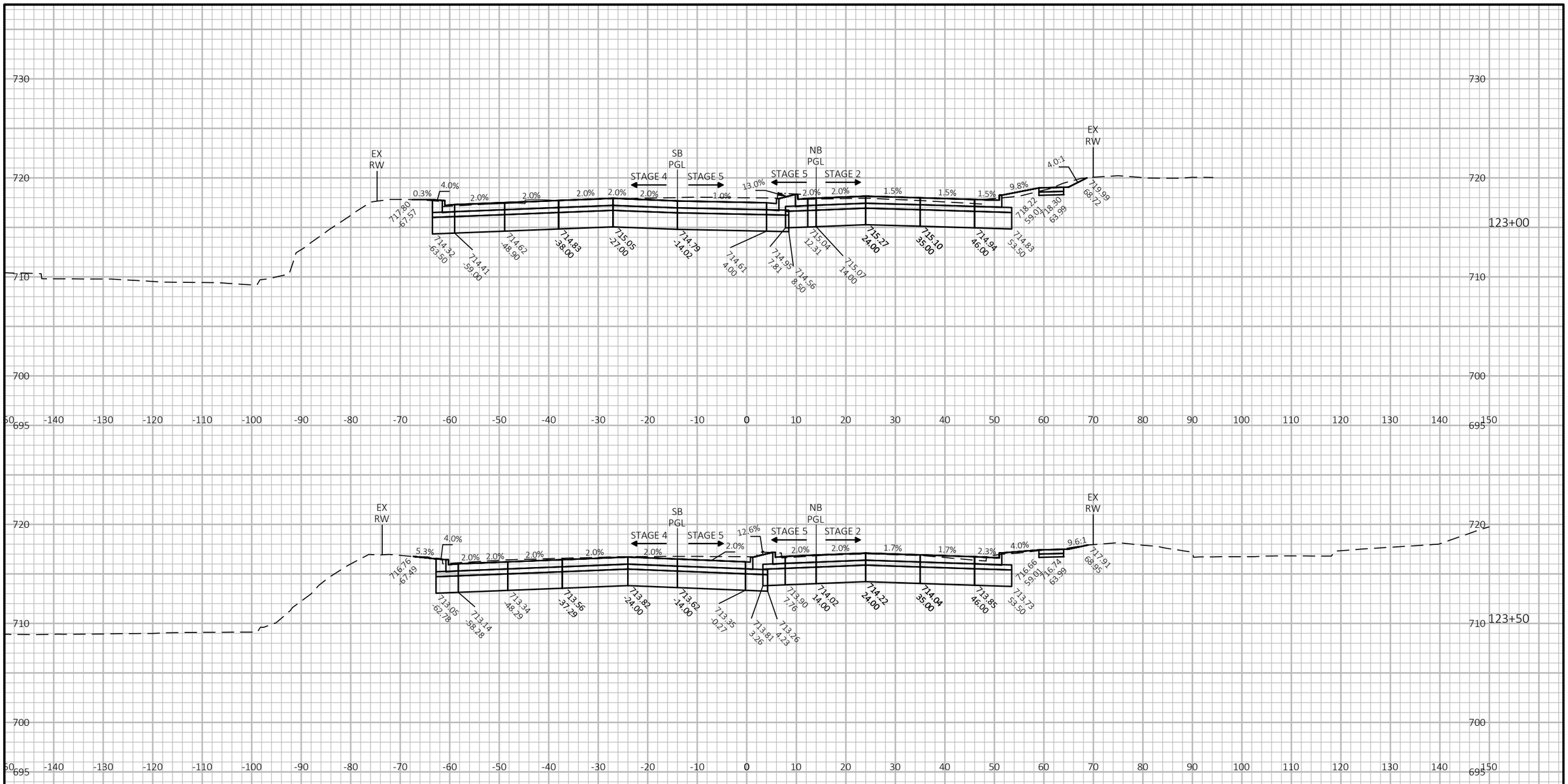


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1110 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 02

PLOT DATE : 7/15/2025 12:49 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



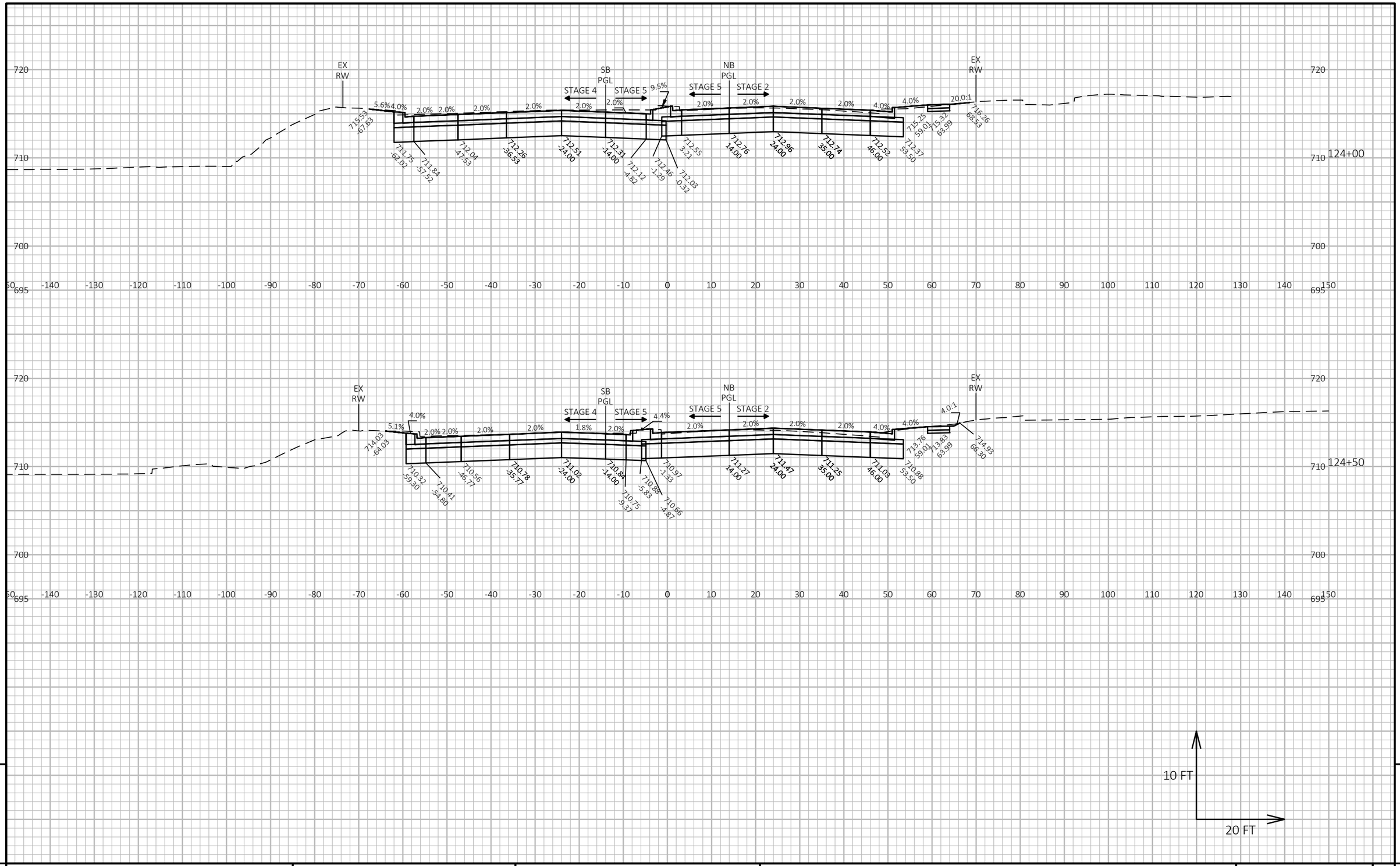
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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1111	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 03

PLOT DATE : 7/15/2025 12:50 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



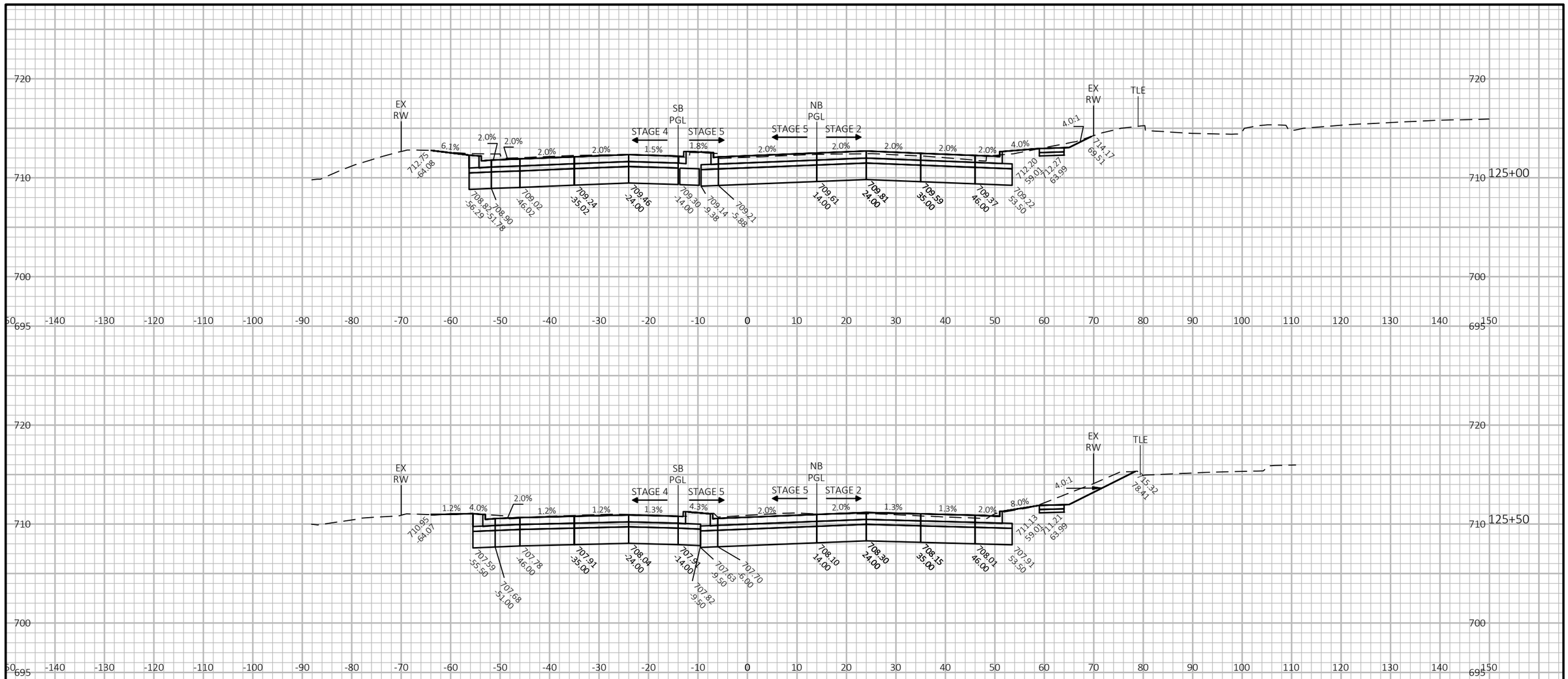
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1112	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2025 12:50 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1113	E

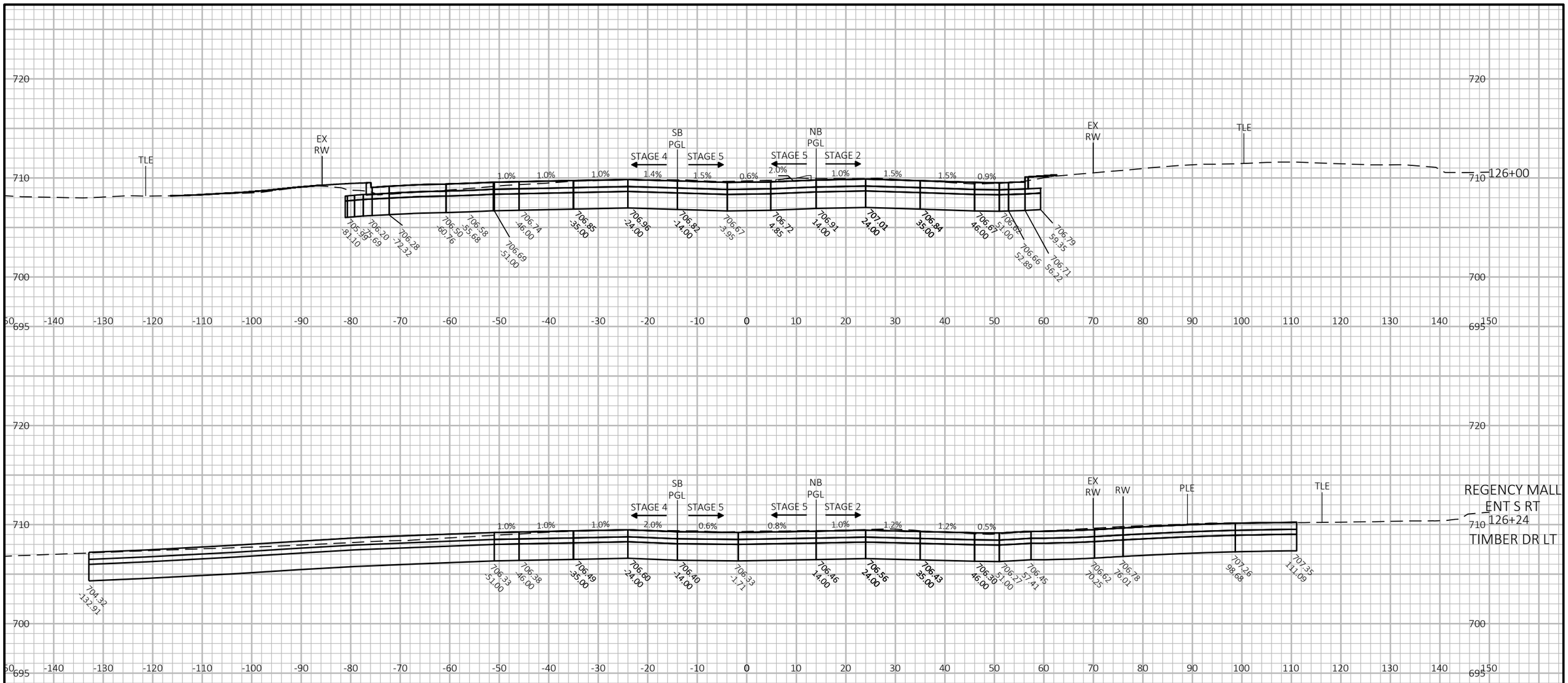
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 05

PLOT DATE : 7/15/2025 12:50 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

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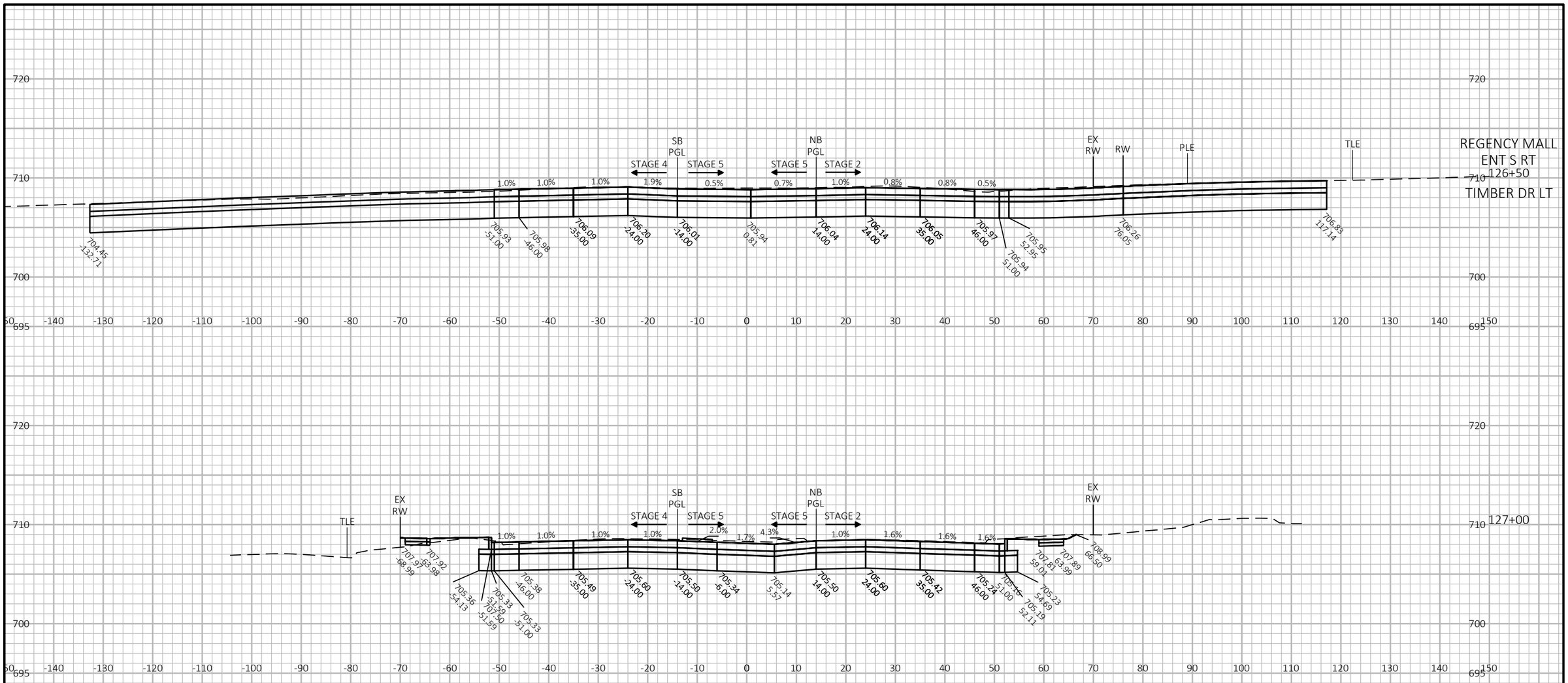


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1114	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 06

PLOT DATE : 7/15/2025 12:50 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

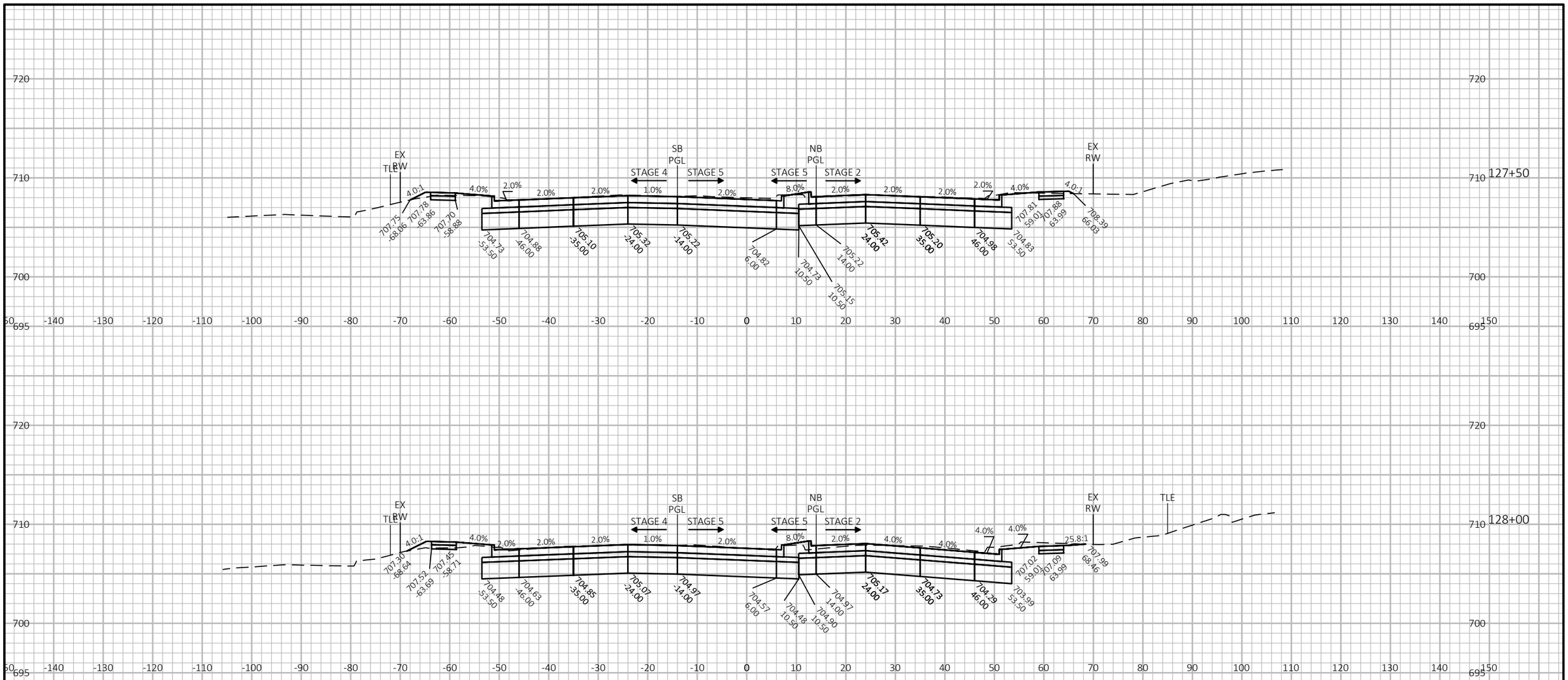


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1115	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 07

PLOT DATE : 7/15/2025 12:51 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



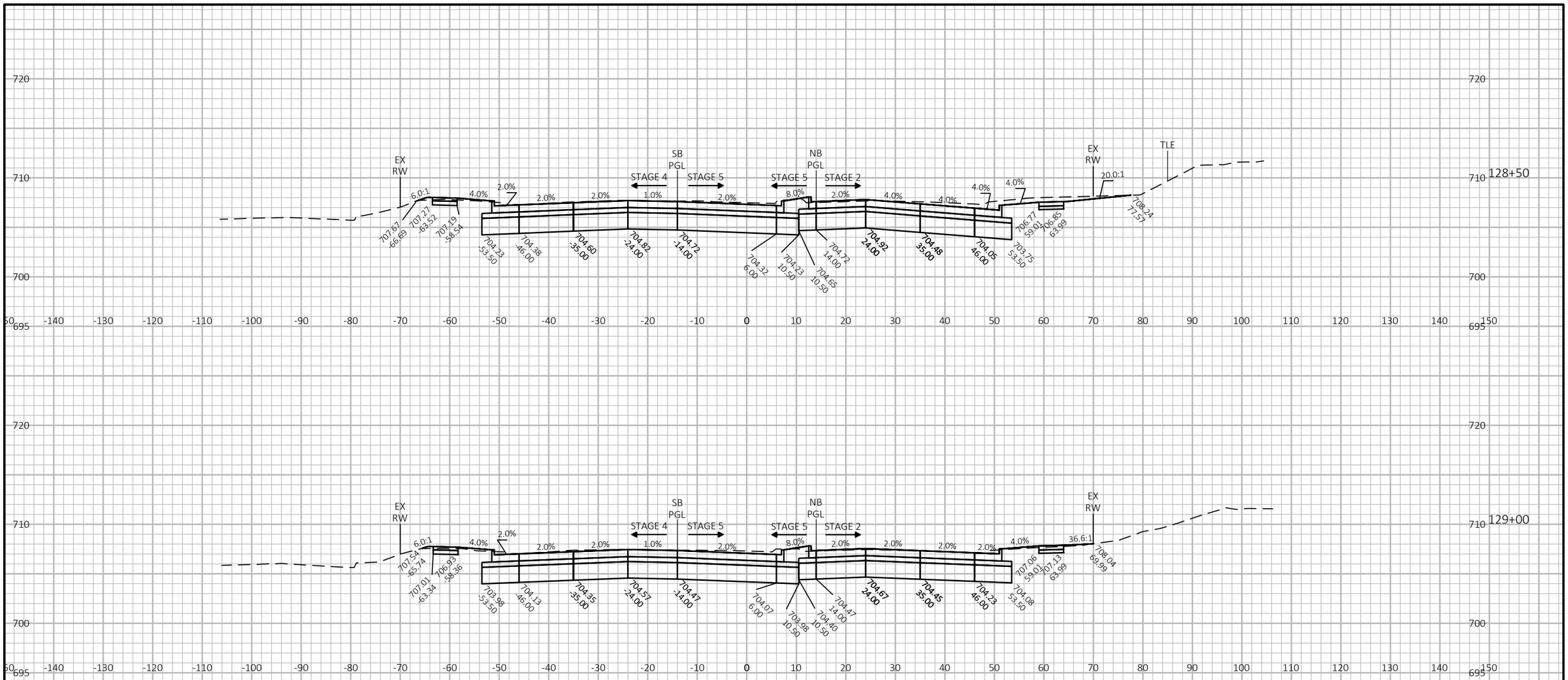
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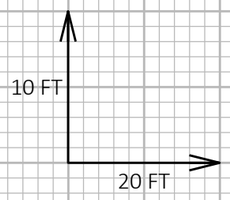
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1116	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 08

PLOT DATE : 7/15/2025 12:51 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.





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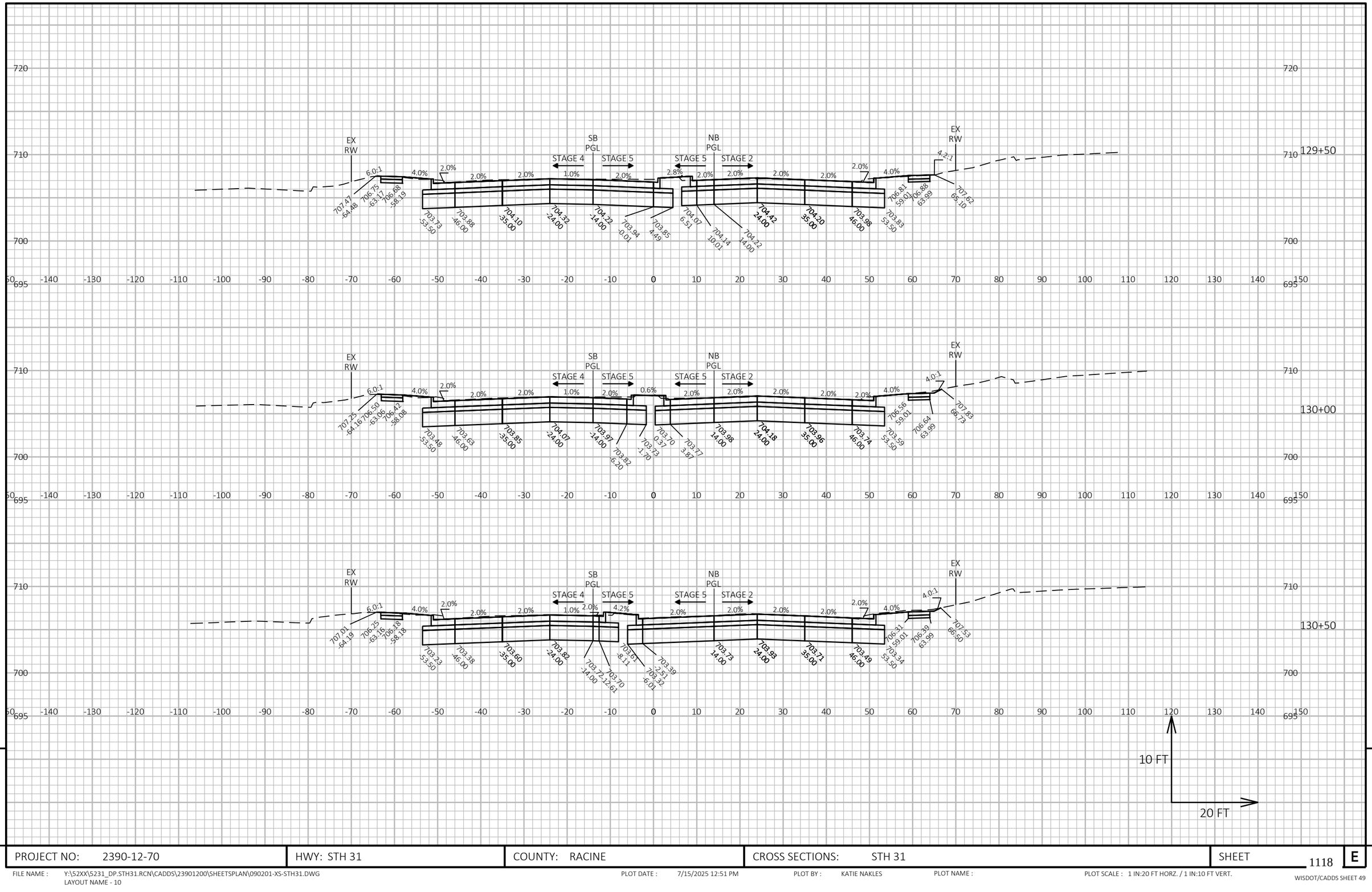
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1117	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2025 12:51 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

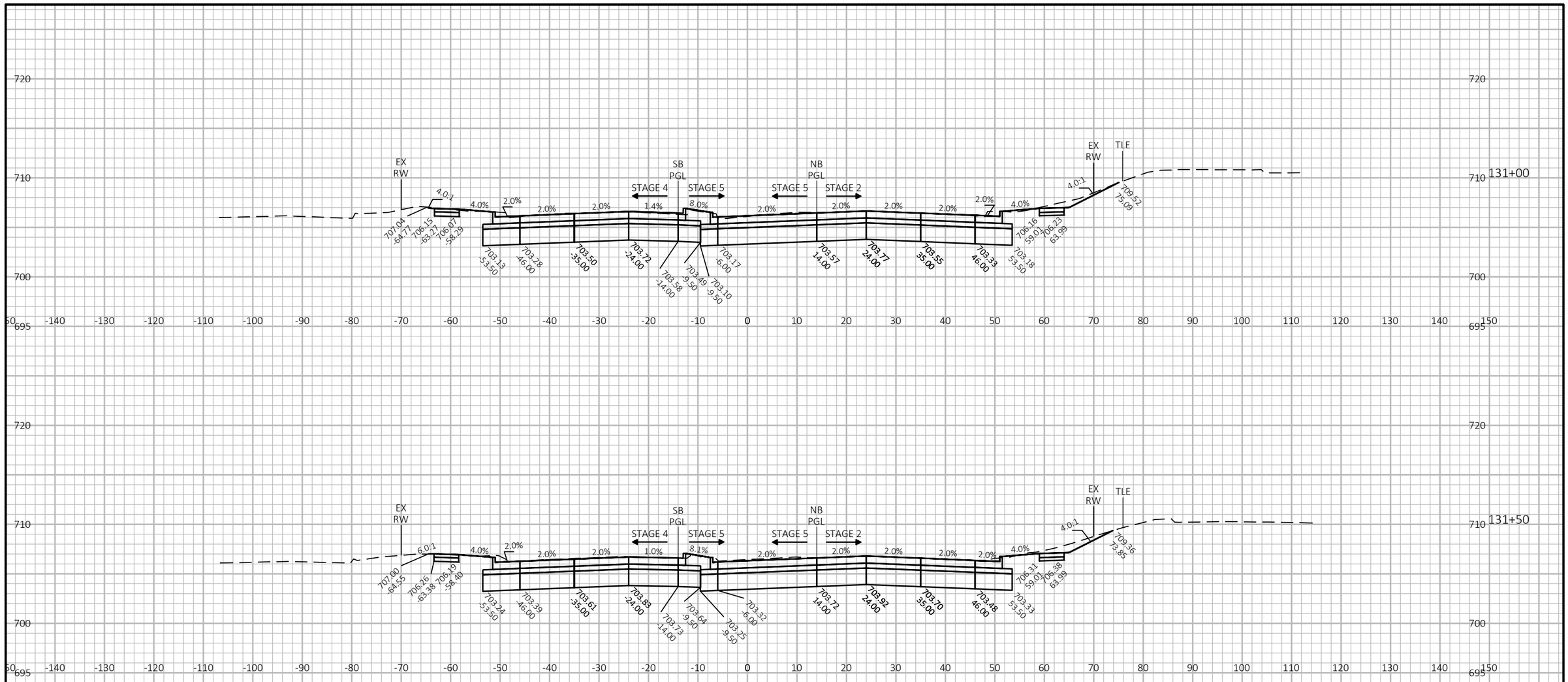


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1118 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2025 12:51 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



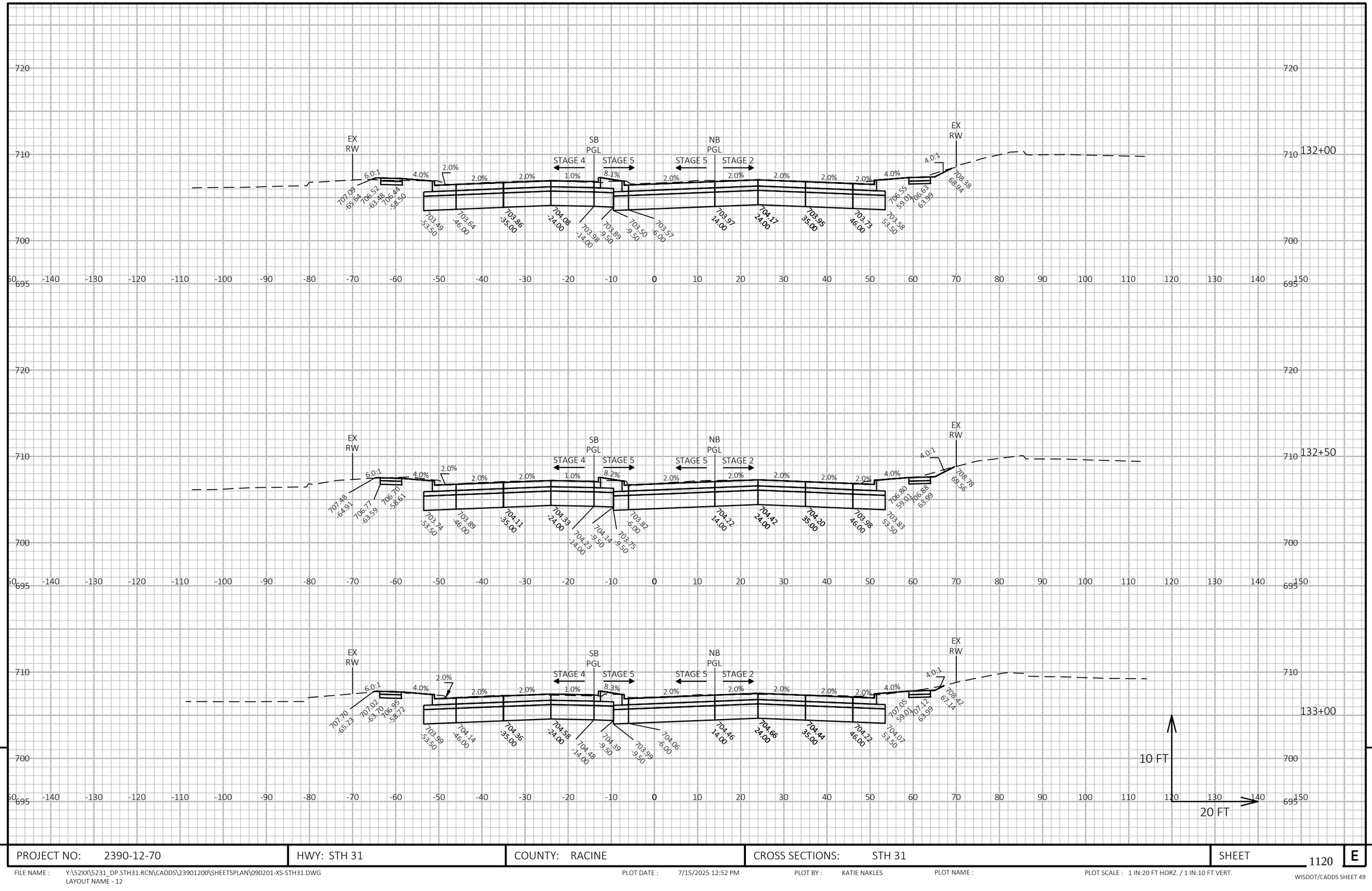
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1119	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 11

PLOT DATE : 7/15/2025 12:52 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

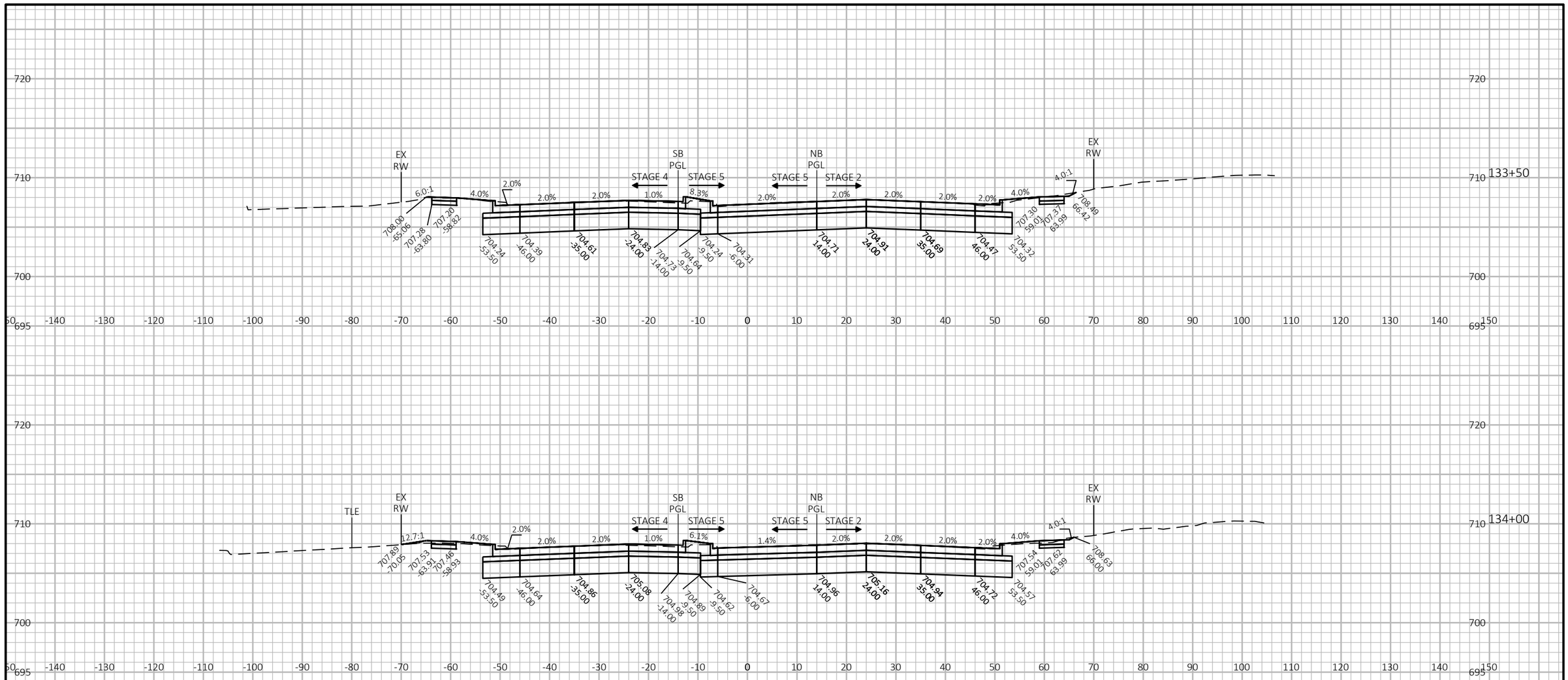


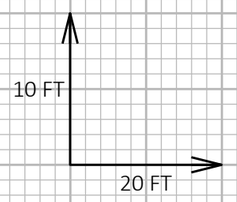
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1120	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 12

PLOT DATE : 7/15/2025 12:52 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





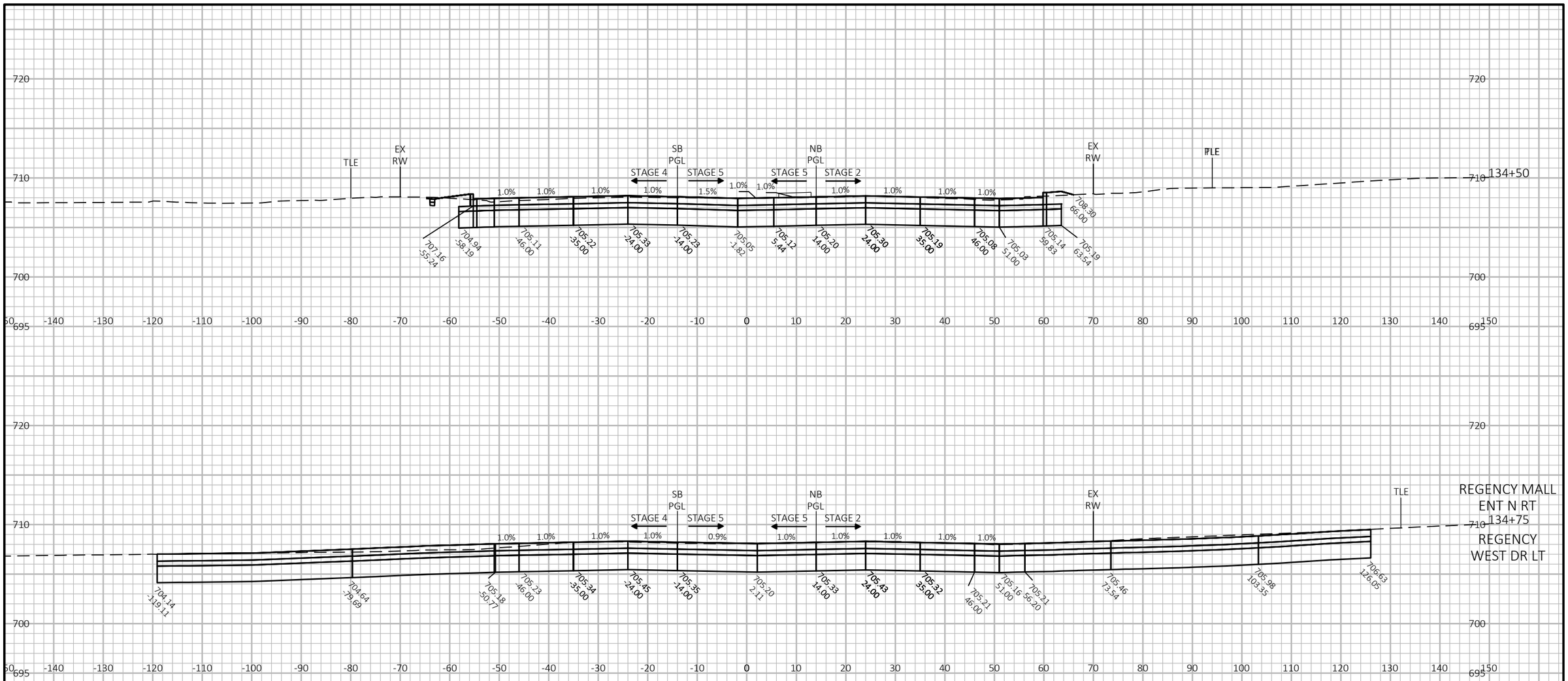
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1121	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2025 12:52 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



10 FT

20 FT

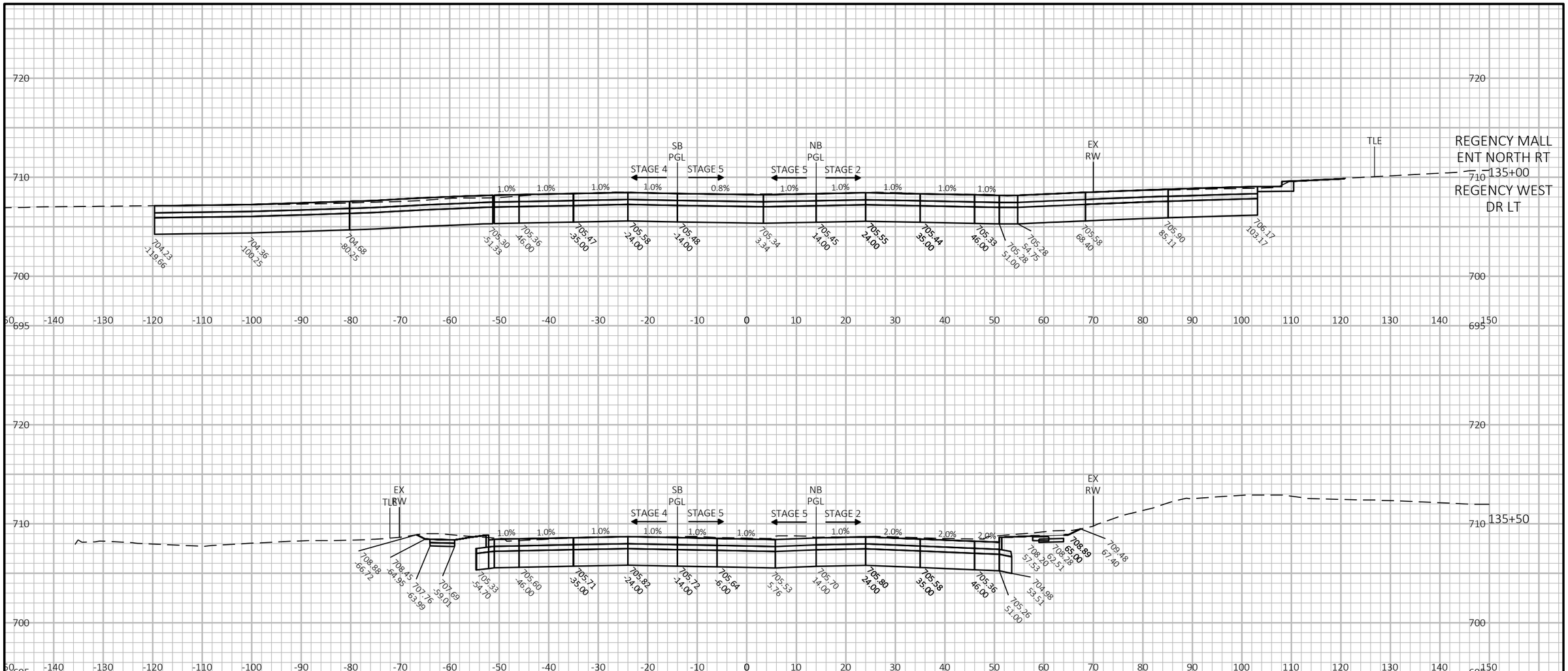
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1122	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 14

PLOT DATE : 7/15/2025 12:52 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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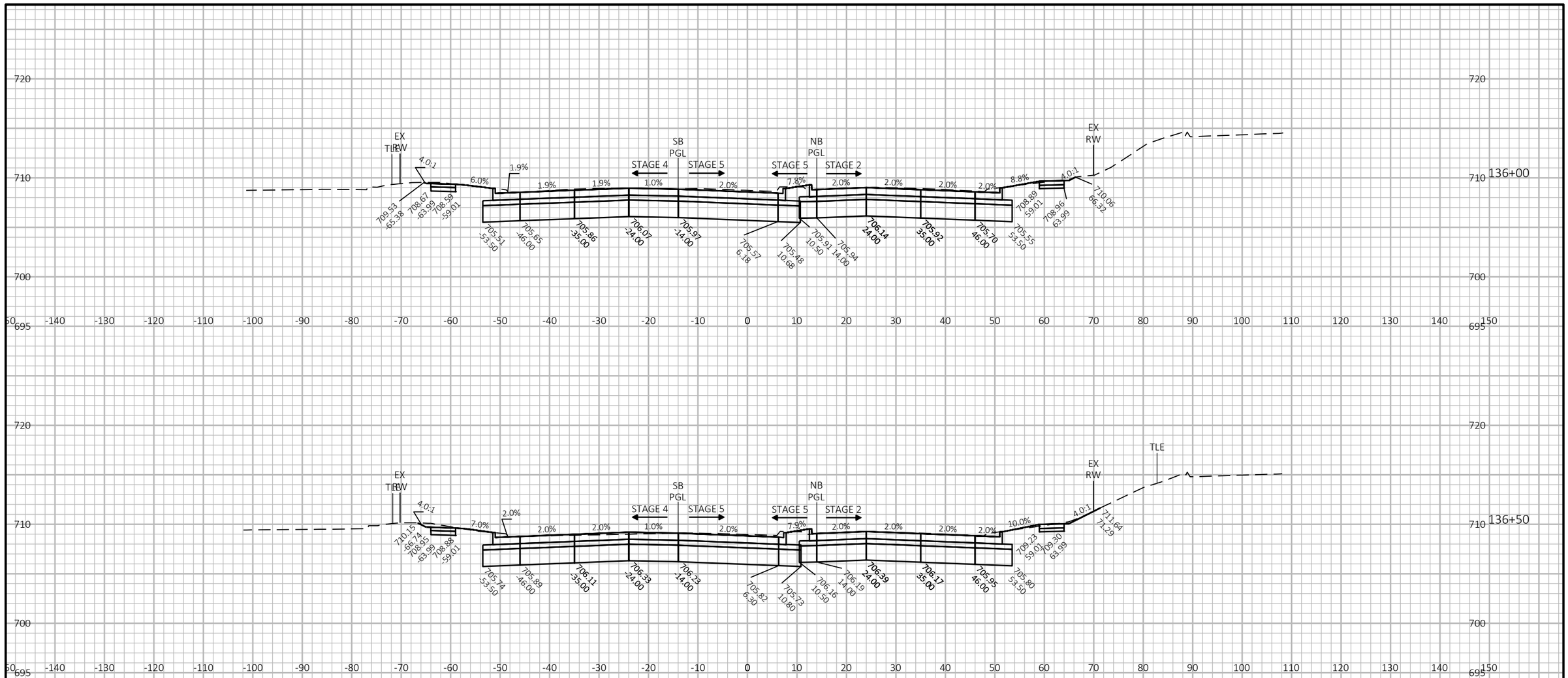
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1123	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 15

PLOT DATE : 7/15/2025 12:53 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



10 FT

20 FT

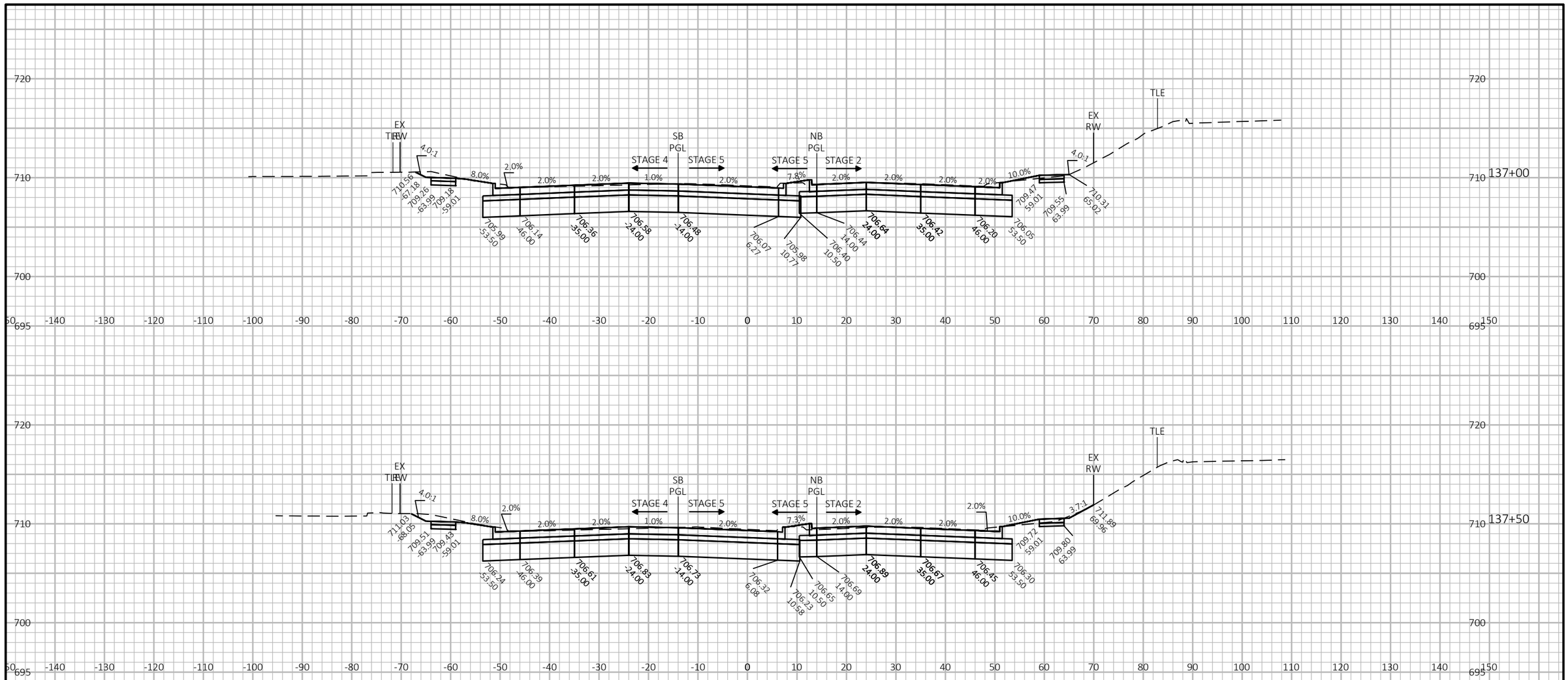
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1124	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 16

PLOT DATE : 7/15/2025 12:53 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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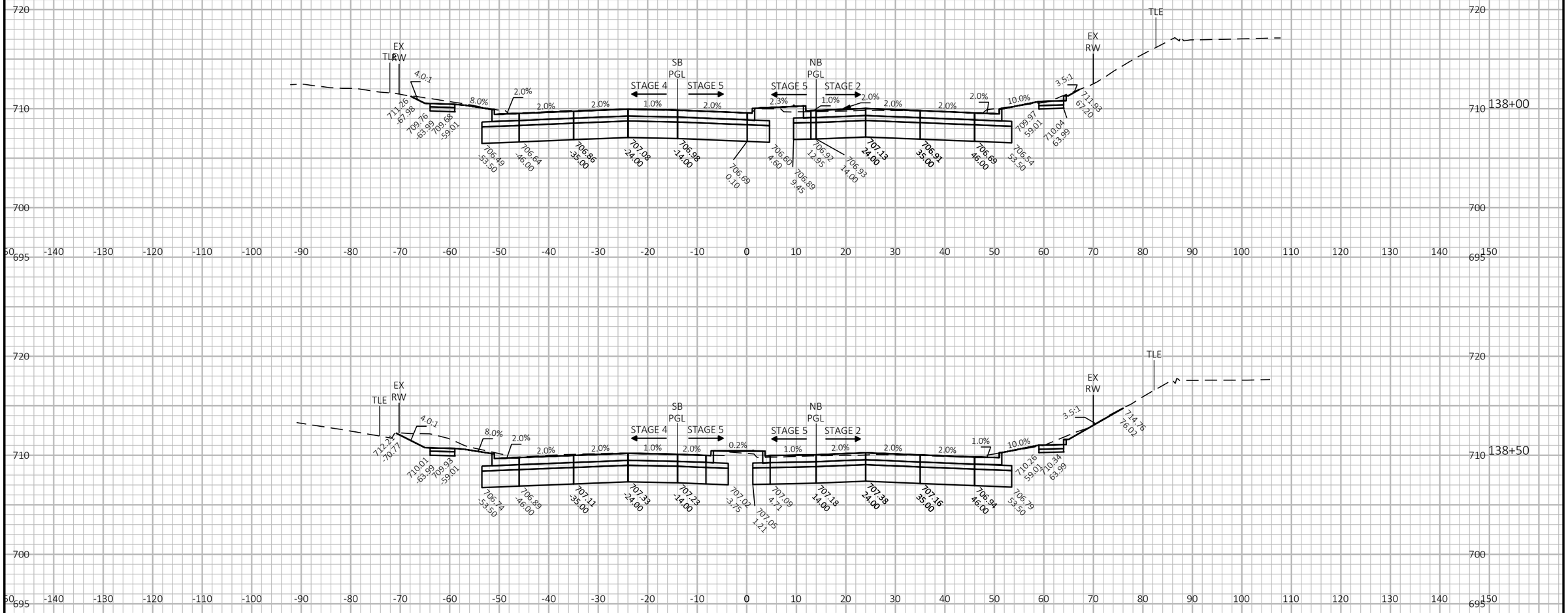
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1125	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 17

PLOT DATE : 7/15/2025 12:53 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



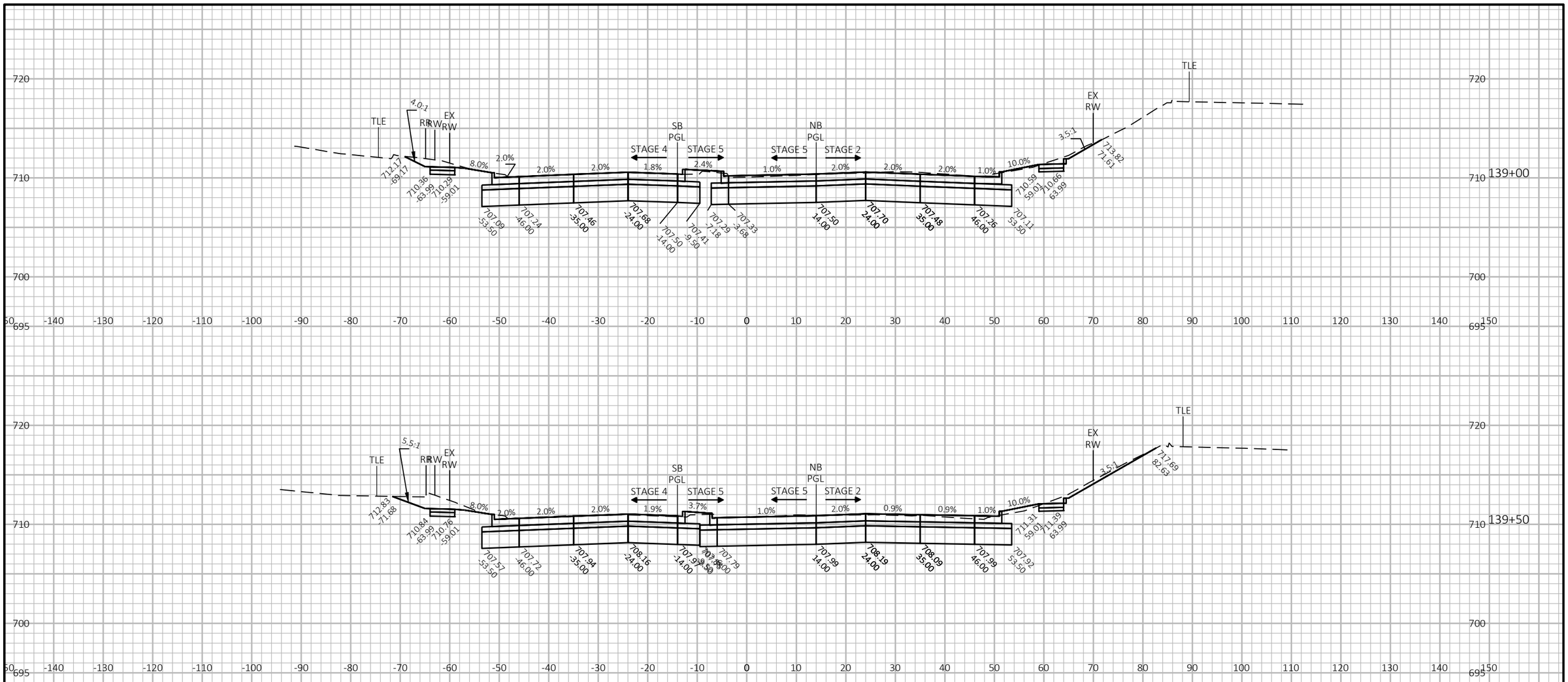
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1126	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2025 12:54 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



10 FT
20 FT

9

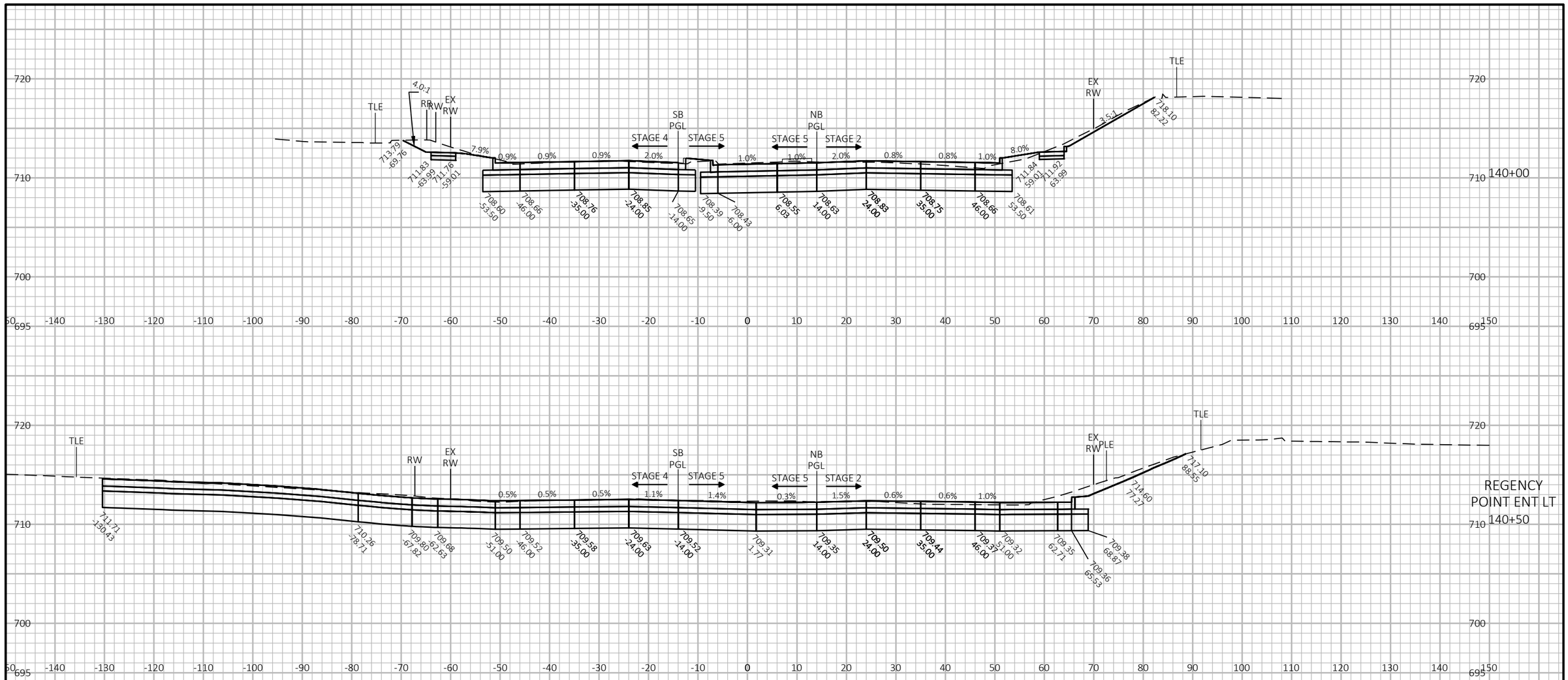
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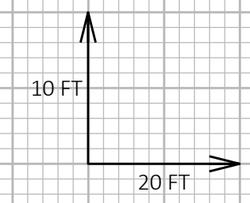
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1127	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 19

PLOT DATE : 7/15/2025 12:54 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





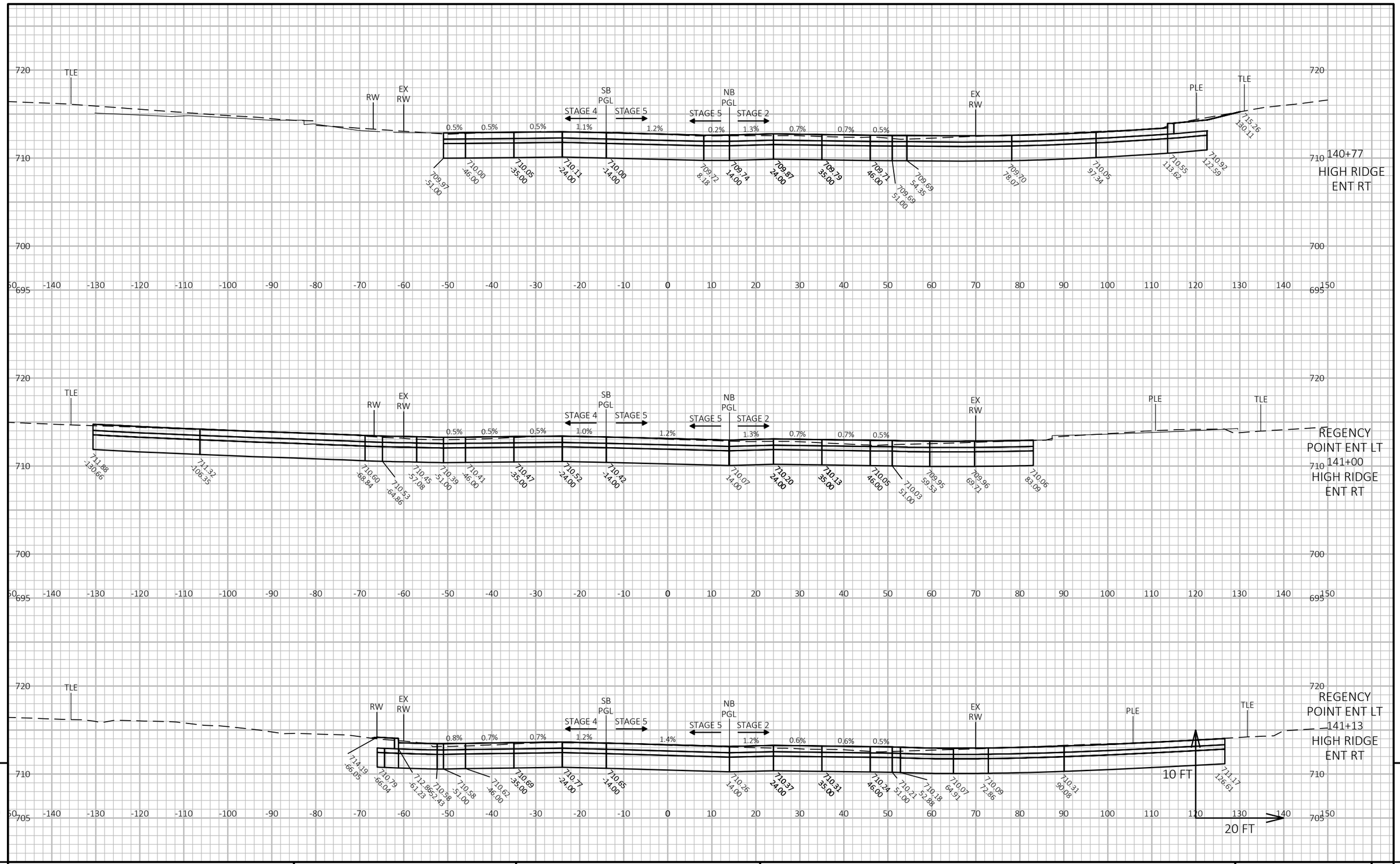
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1128	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 20

PLOT DATE : 7/15/2025 12:54 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

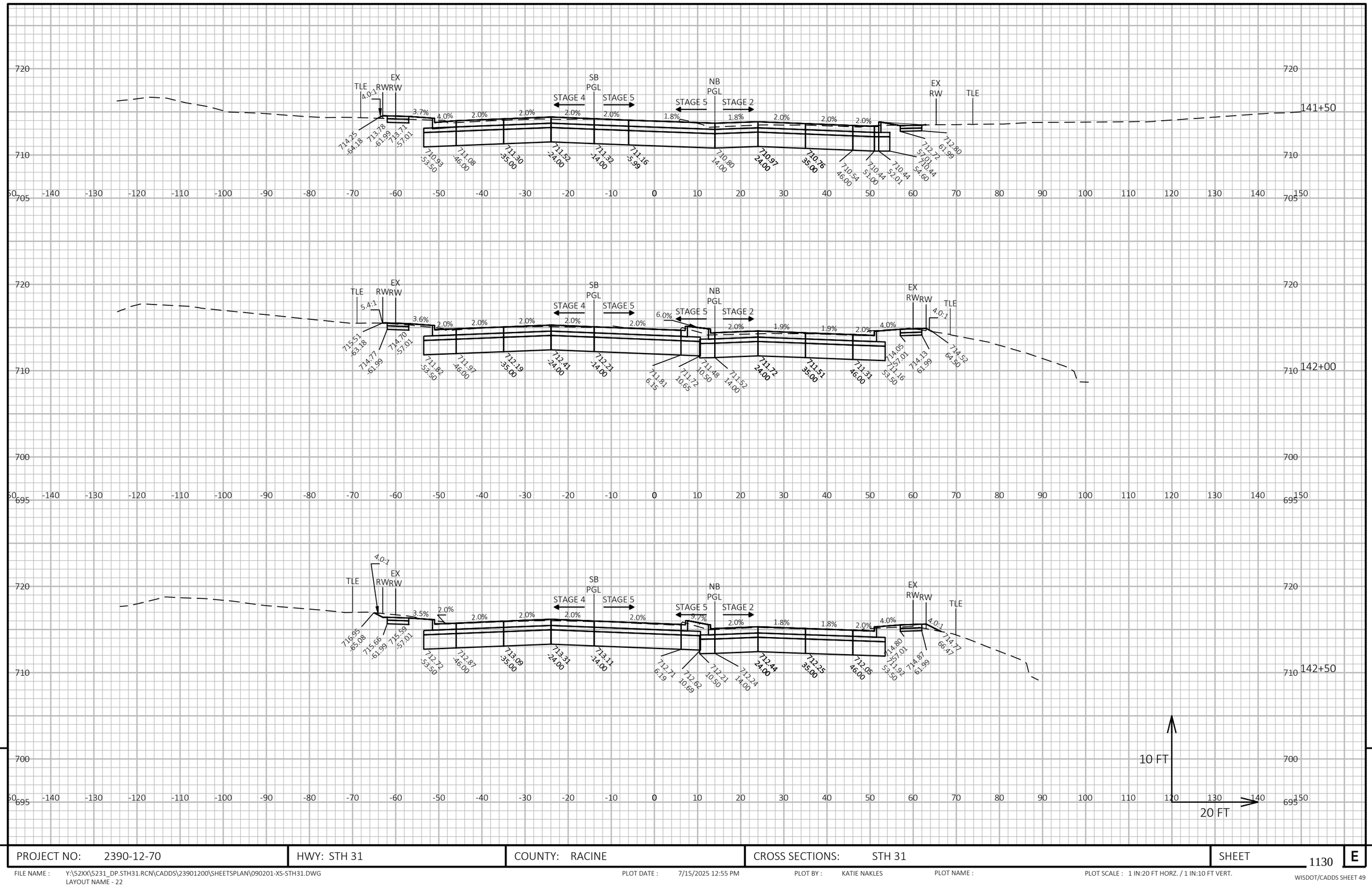


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1129	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 21

PLOT DATE : 7/15/2025 12:54 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

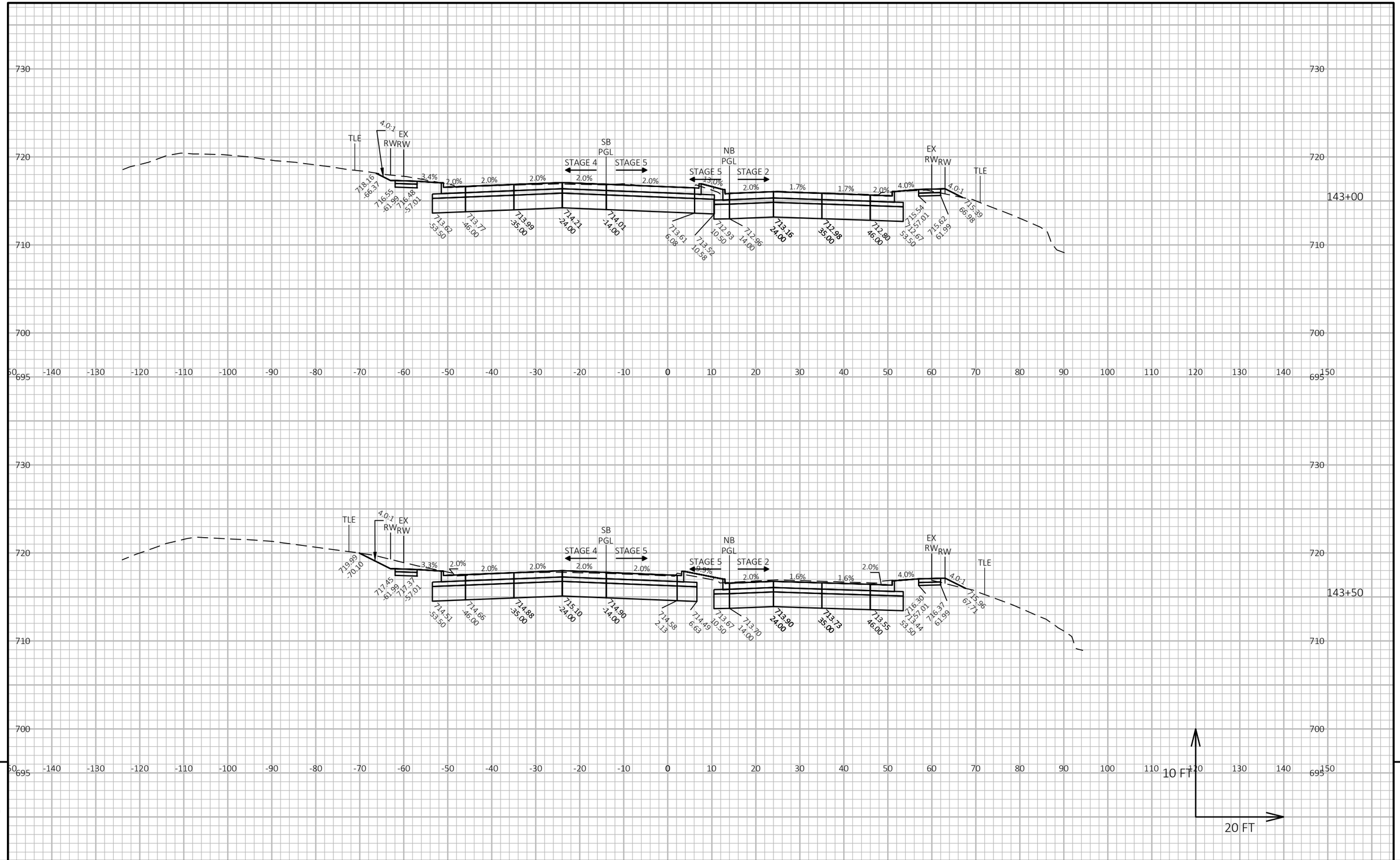


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1130 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 22

PLOT DATE : 7/15/2025 12:55 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

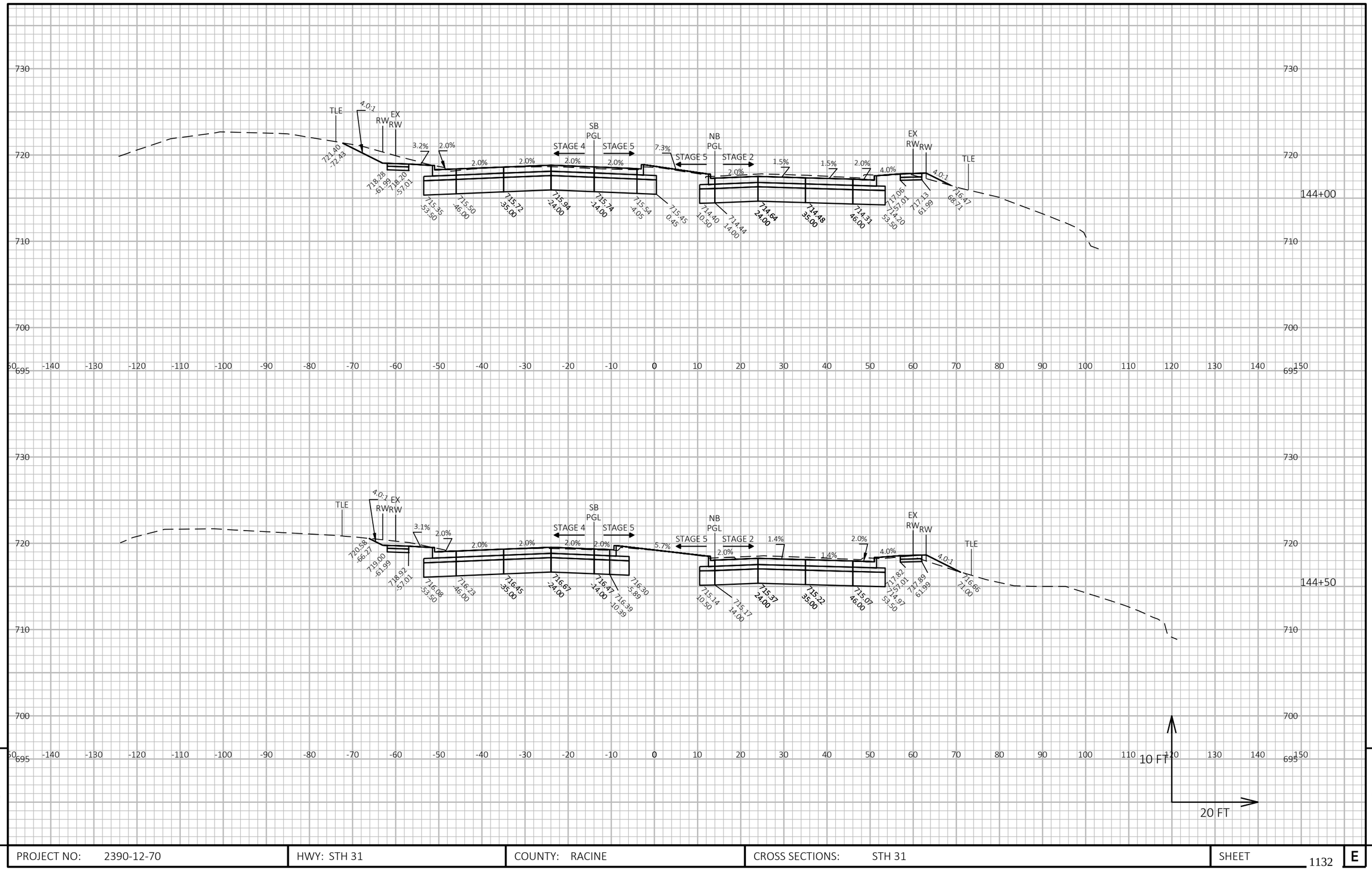


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1131 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 23

PLOT DATE : 7/15/2025 12:55 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

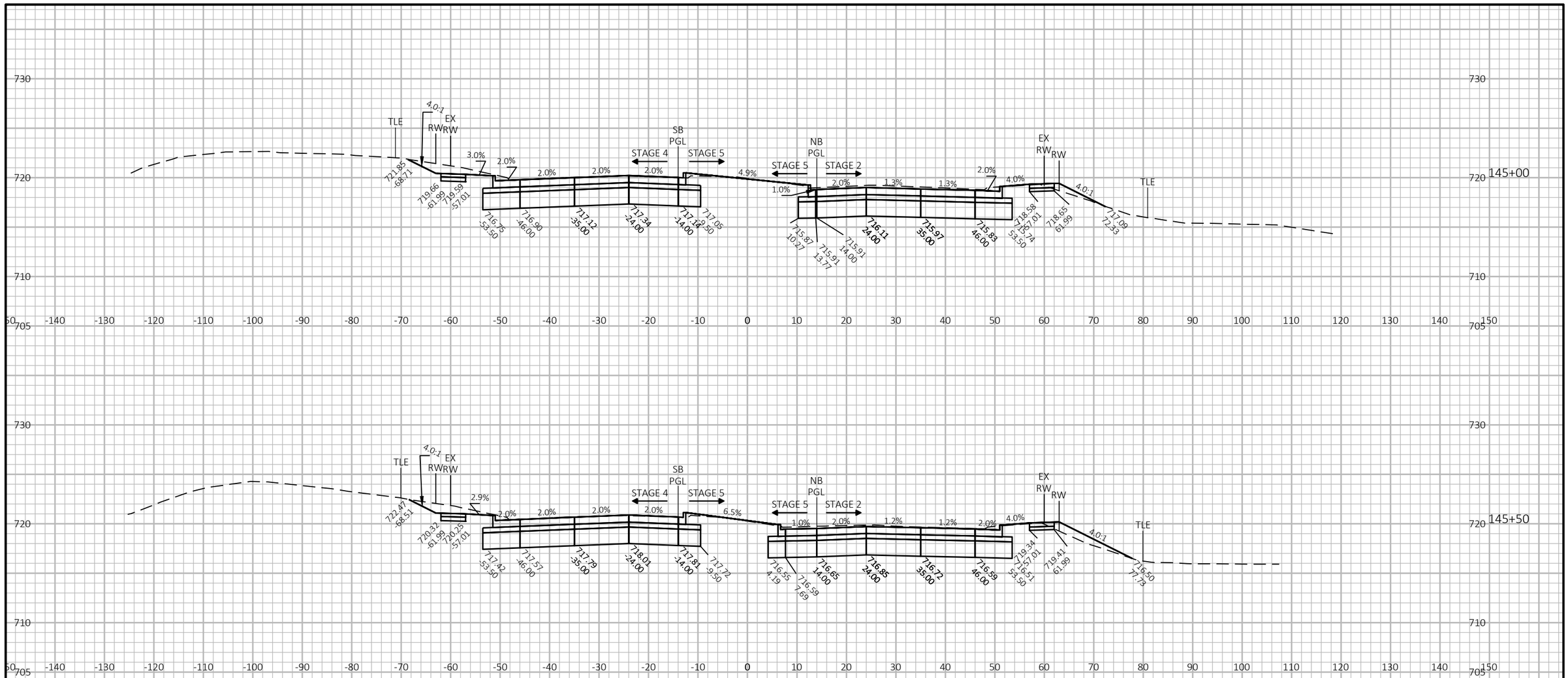


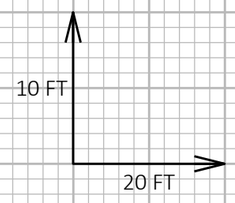
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1132	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 24

PLOT DATE : 7/15/2025 12:55 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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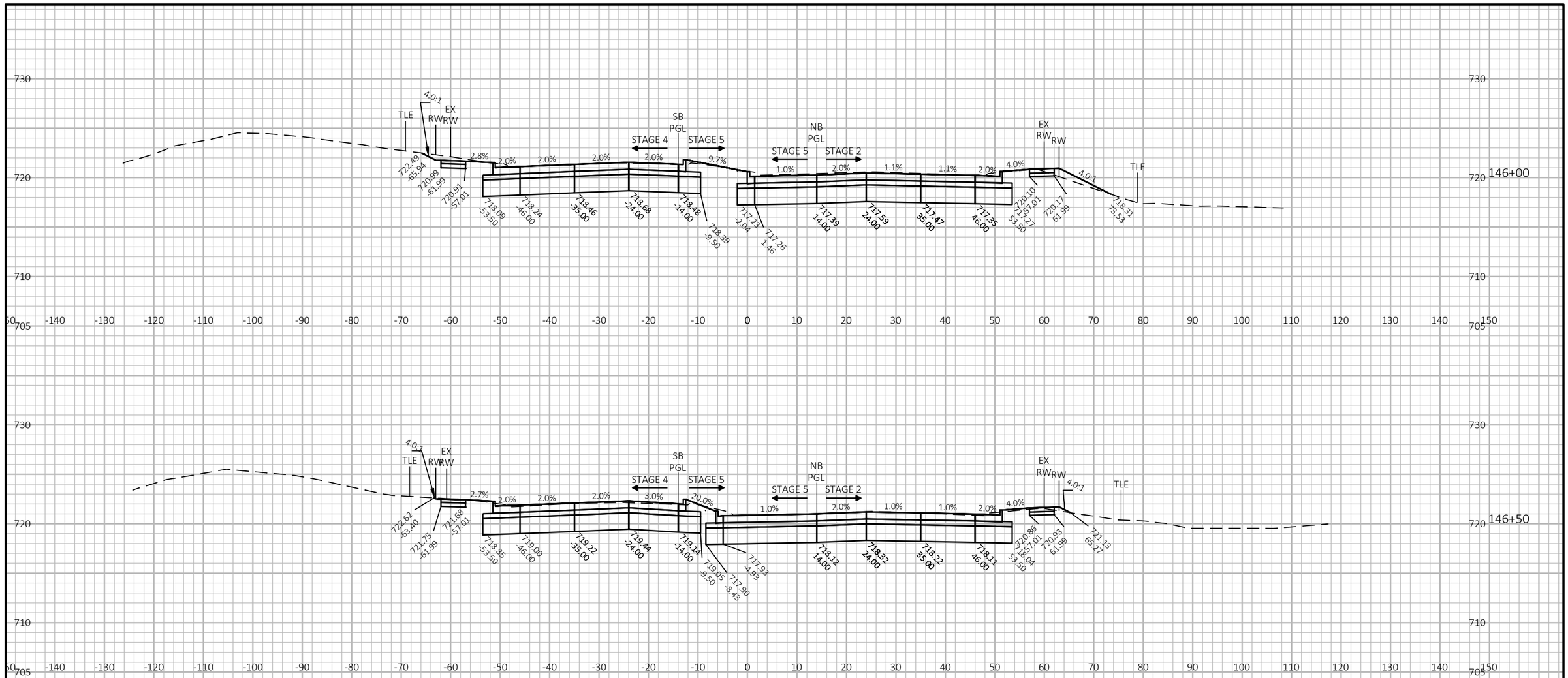
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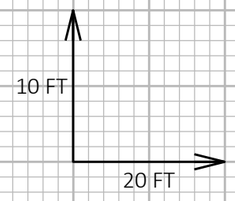
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1133	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 25

PLOT DATE : 7/15/2025 12:55 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

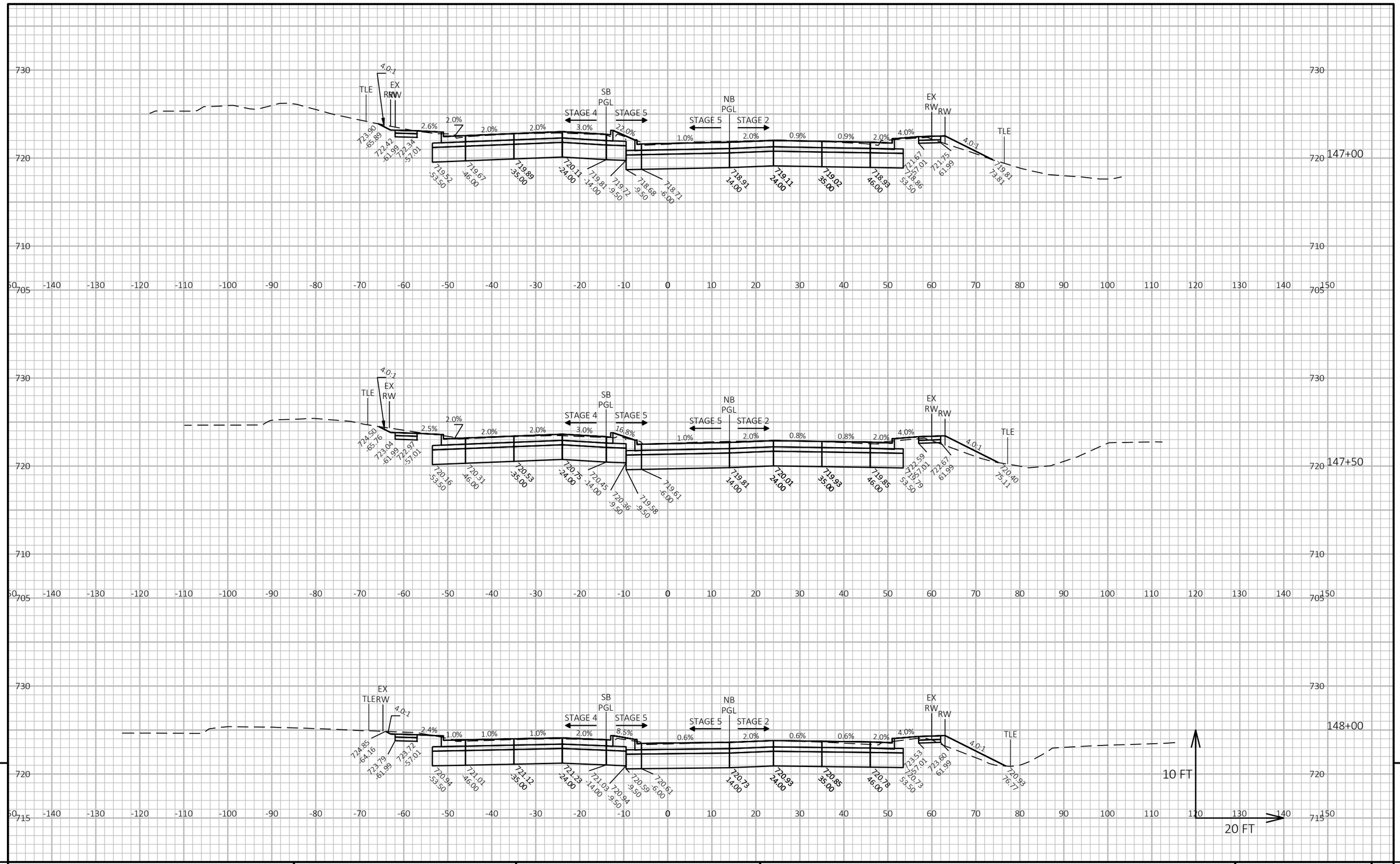
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1134	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 26

PLOT DATE : 7/15/2025 12:56 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

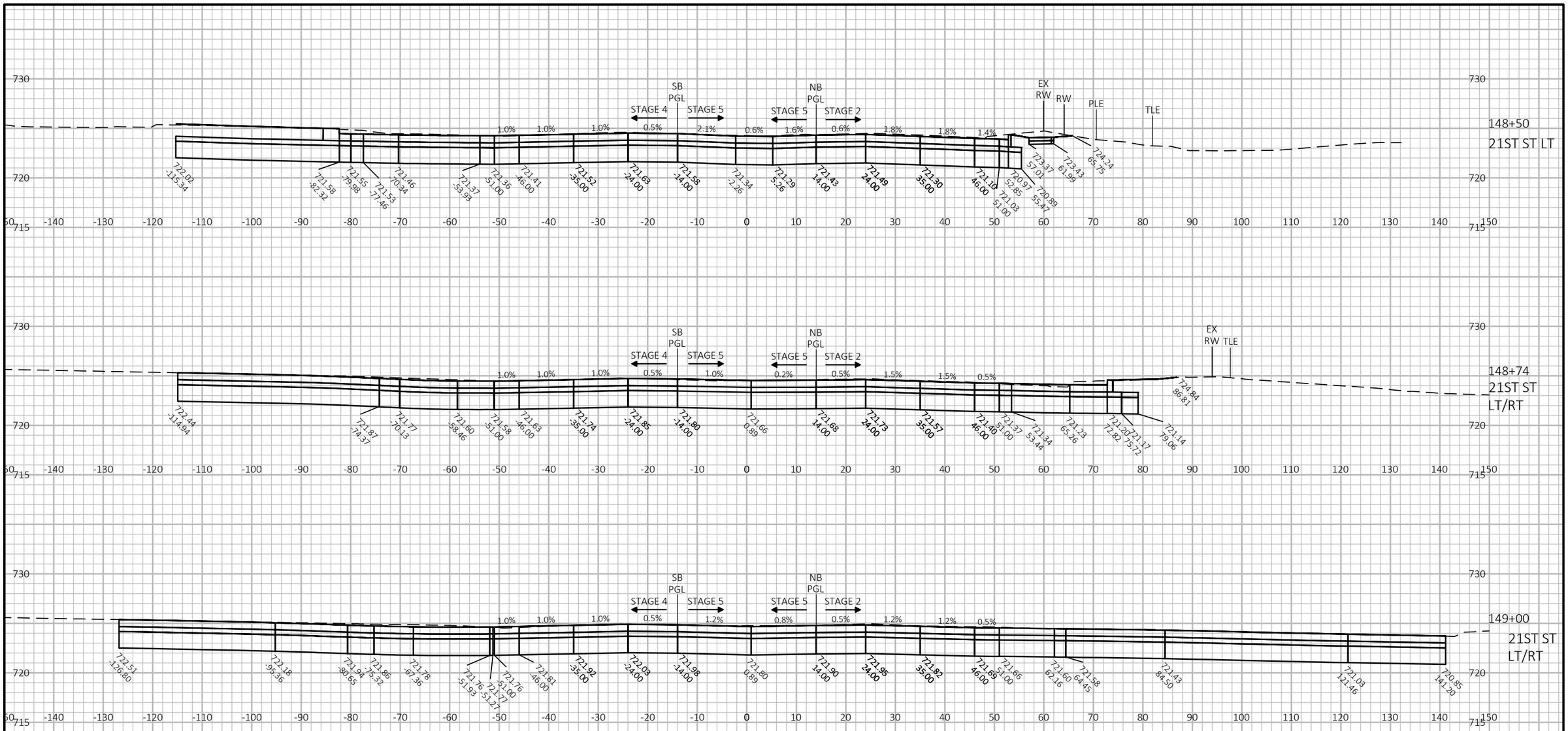


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1135 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 27

PLOT DATE : 7/15/2025 12:56 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

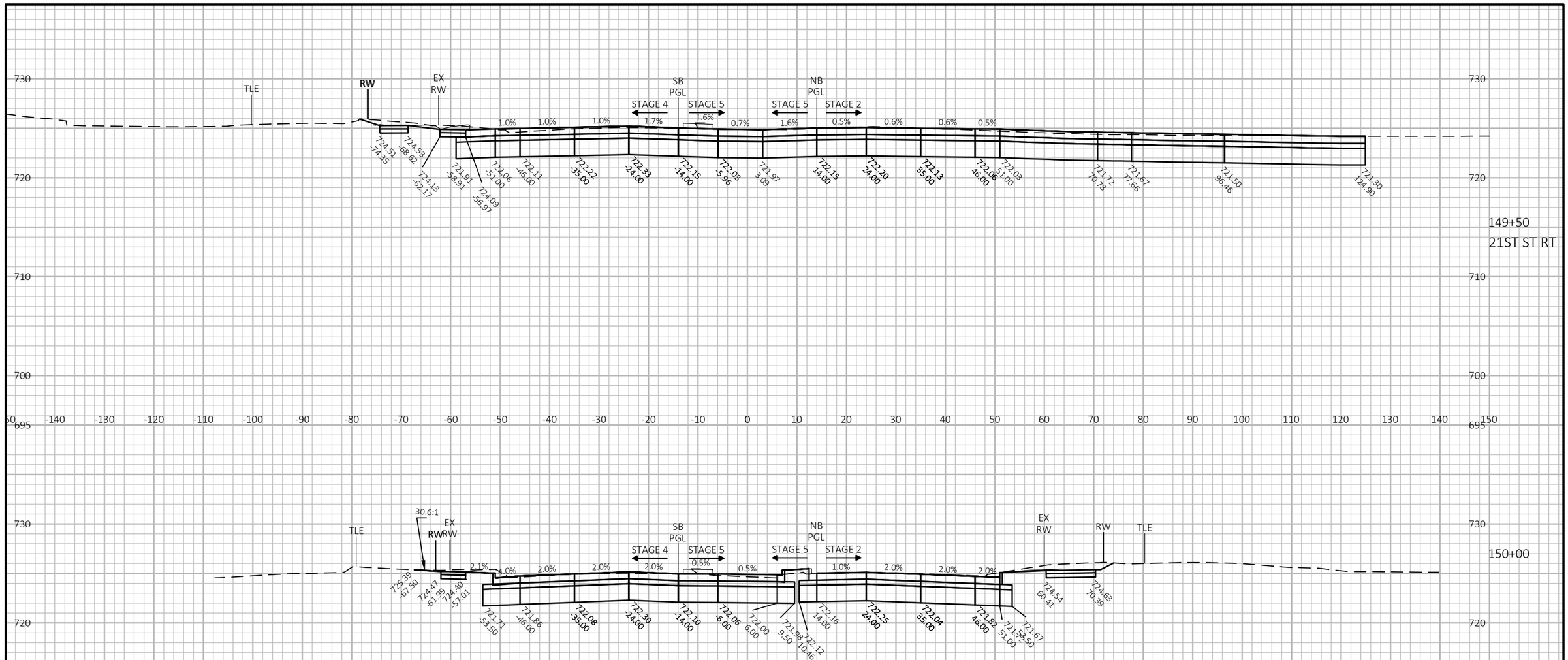


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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1136	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 28
PLOT DATE : 7/15/2025 12:56 PM
PLOT BY : KATIE NAKLES
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

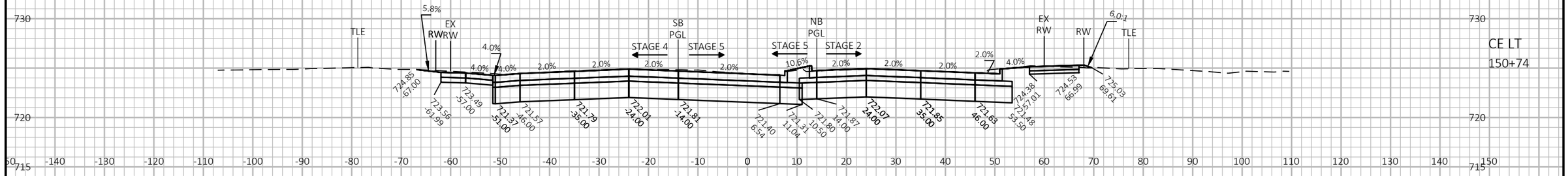
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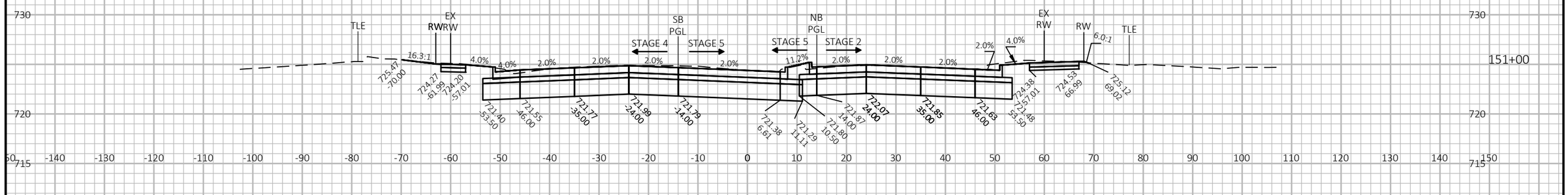
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1137	E

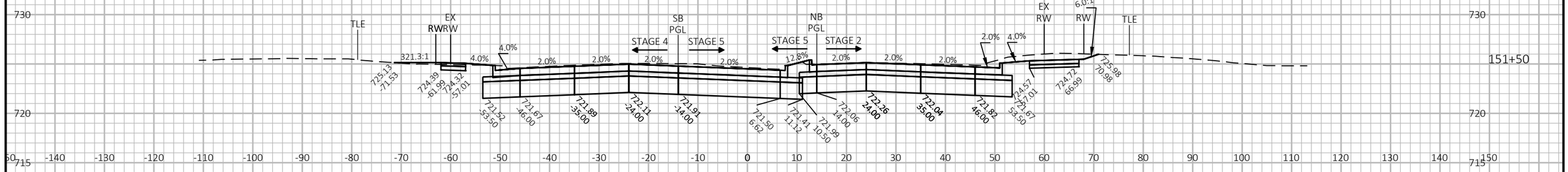
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 29

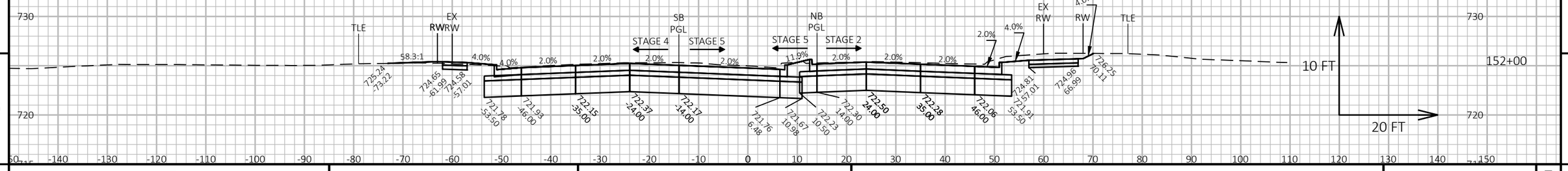
PLOT DATE : 7/15/2025 12:56 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







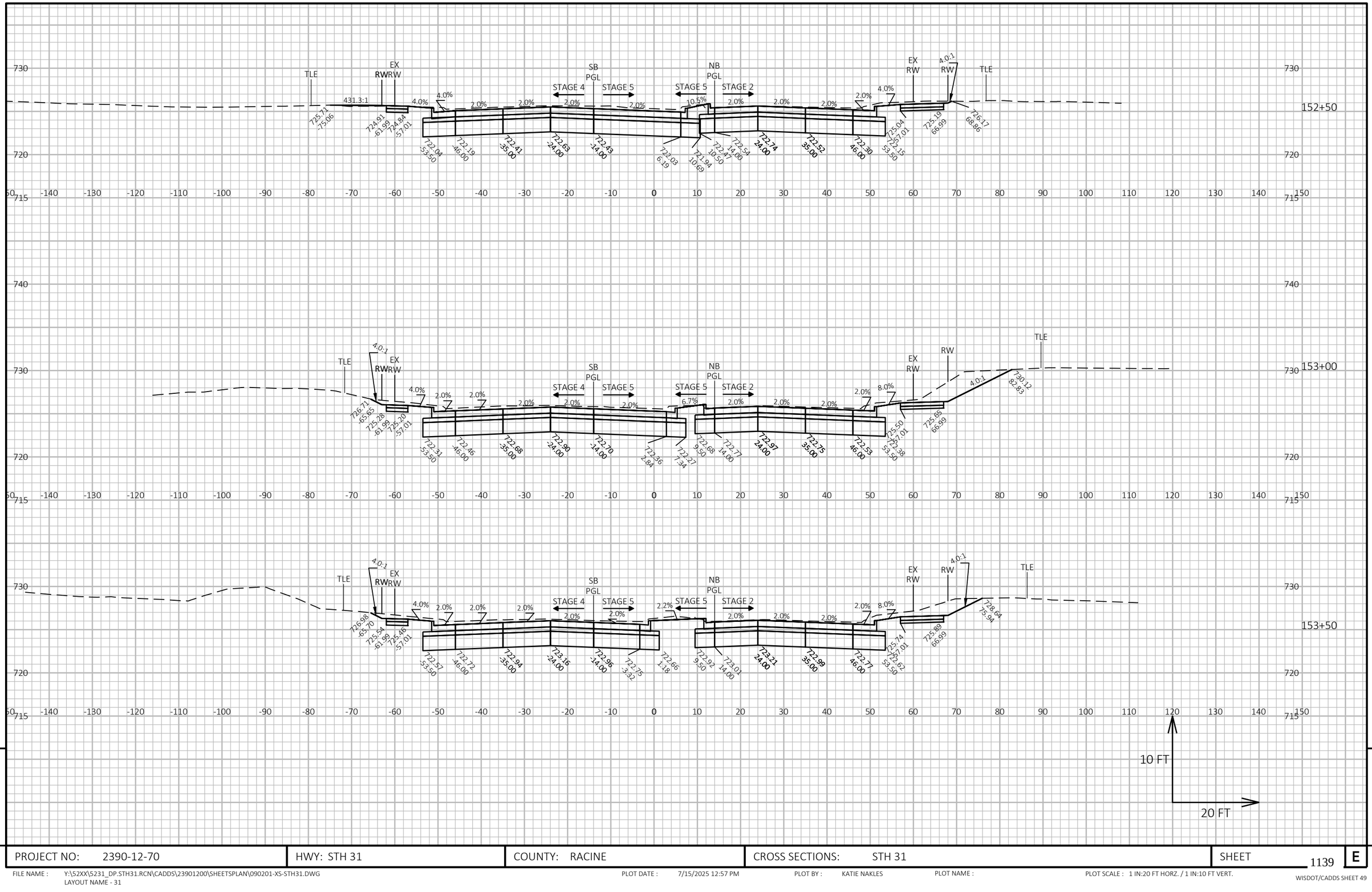


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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1138	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 30
PLOT DATE : 7/15/2025 12:57 PM
PLOT BY : KATIE NAKLES
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1139	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 31

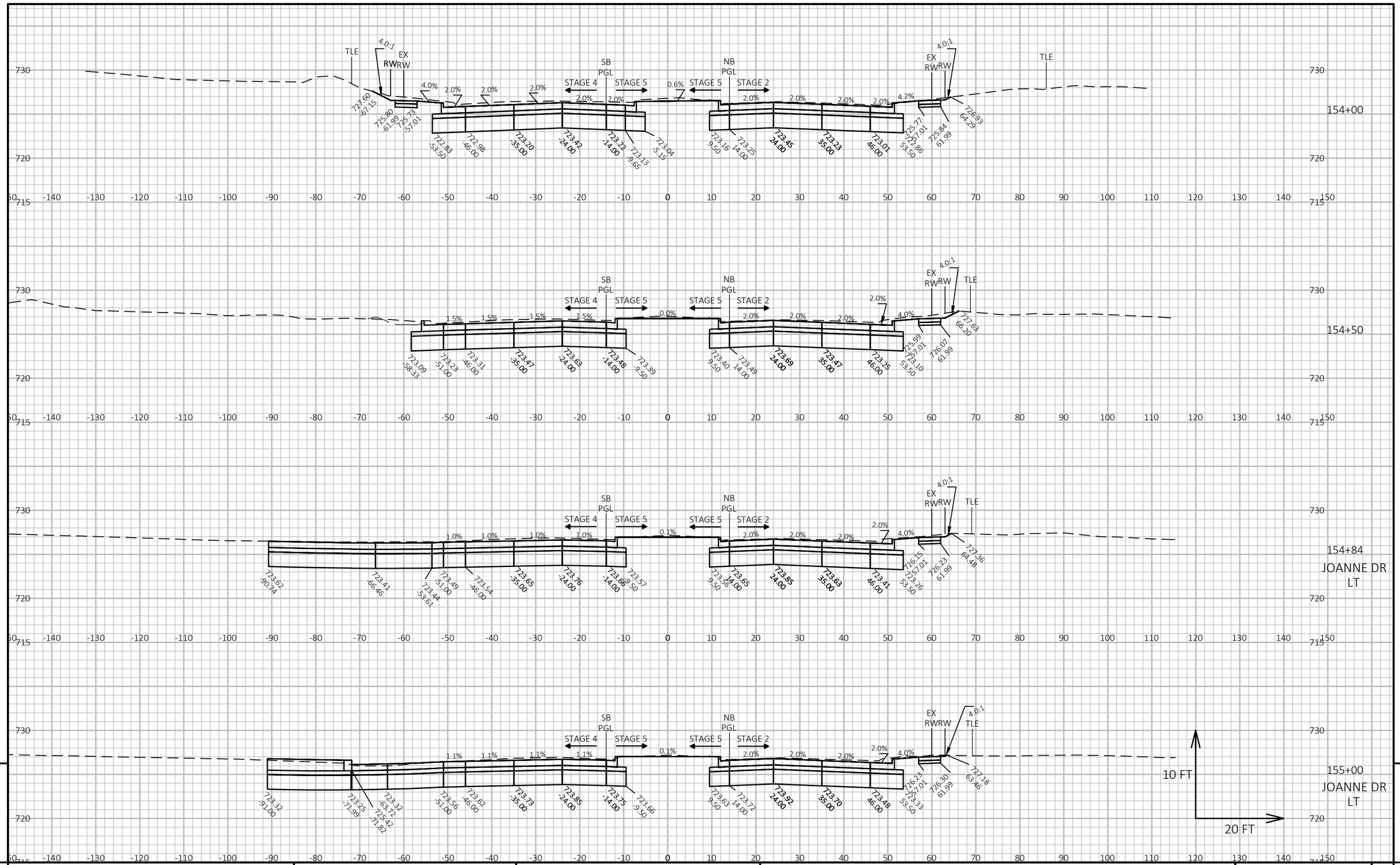
PLOT DATE : 7/15/2025 12:57 PM

PLOT BY : KATIE NAKLES

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



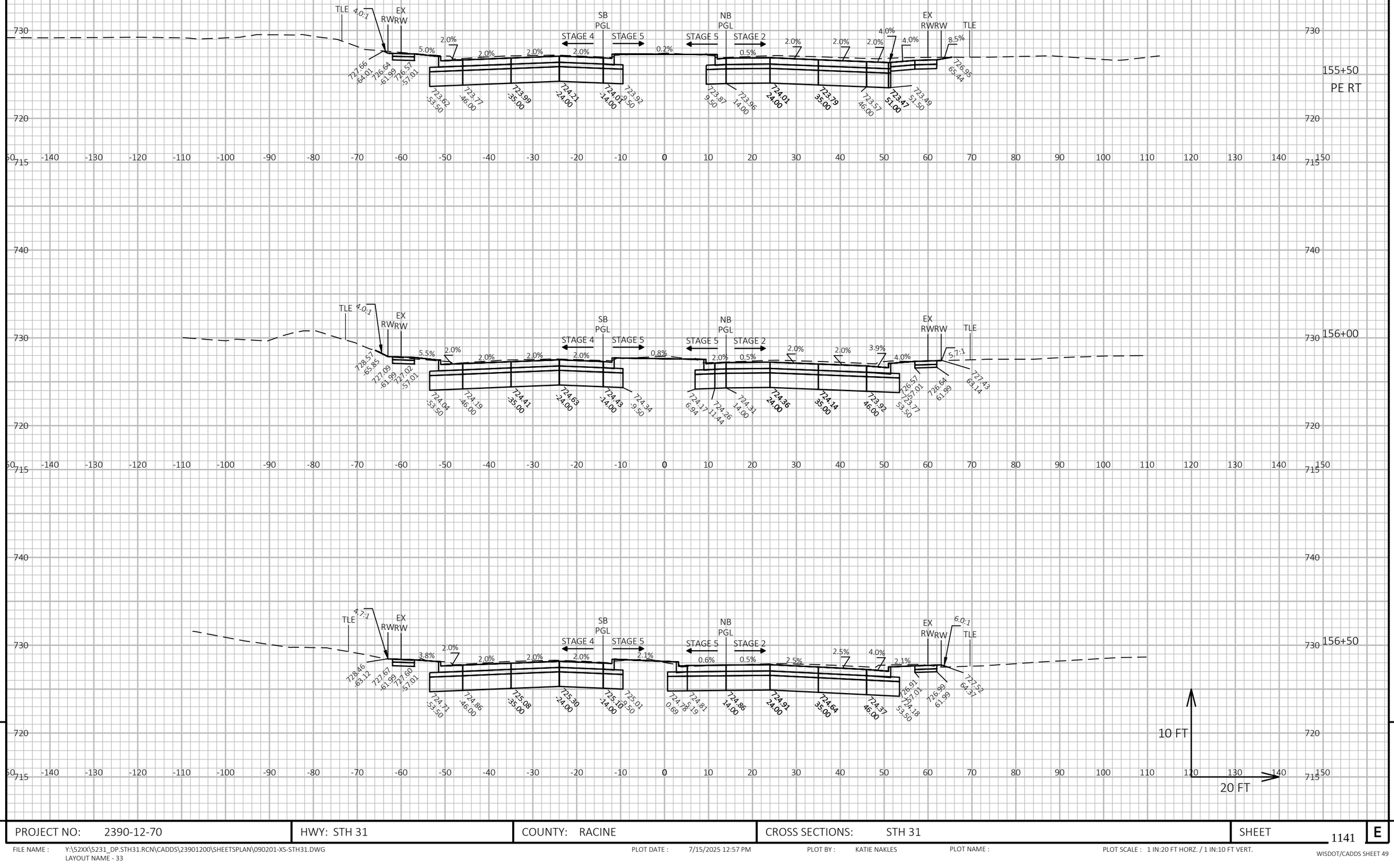
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1140	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 32

PLOT DATE : 7/15/2025 12:57 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

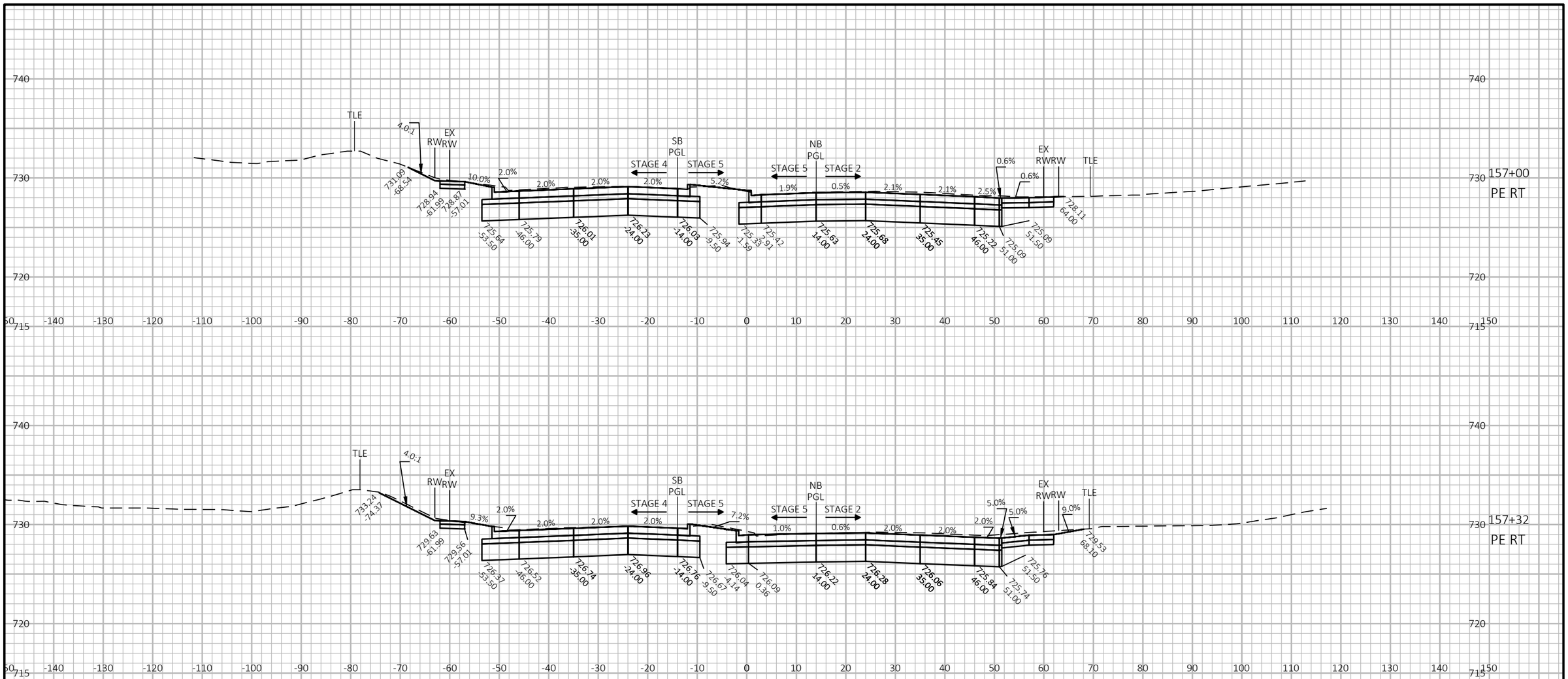


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1141	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 33

PLOT DATE : 7/15/2025 12:57 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



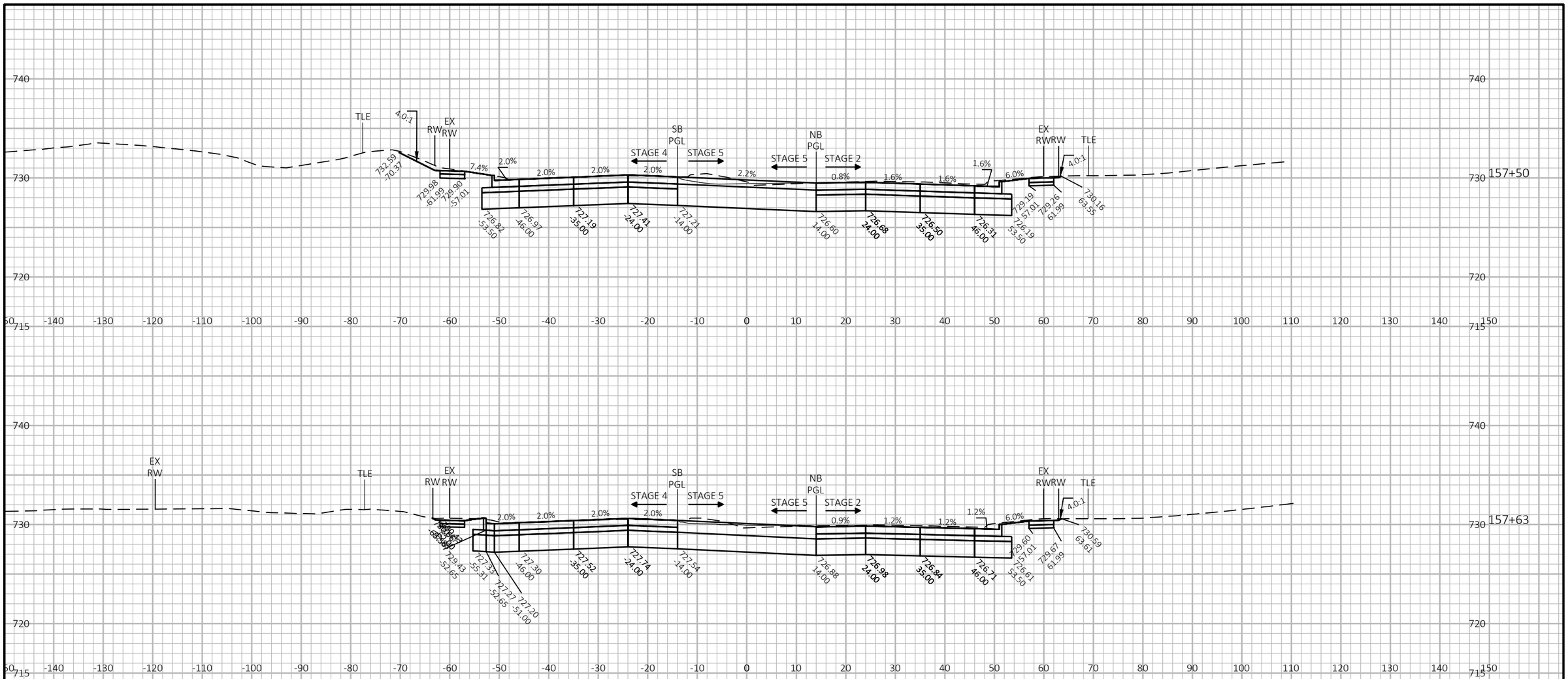
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1142	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 34

PLOT DATE : 7/15/2025 12:58 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



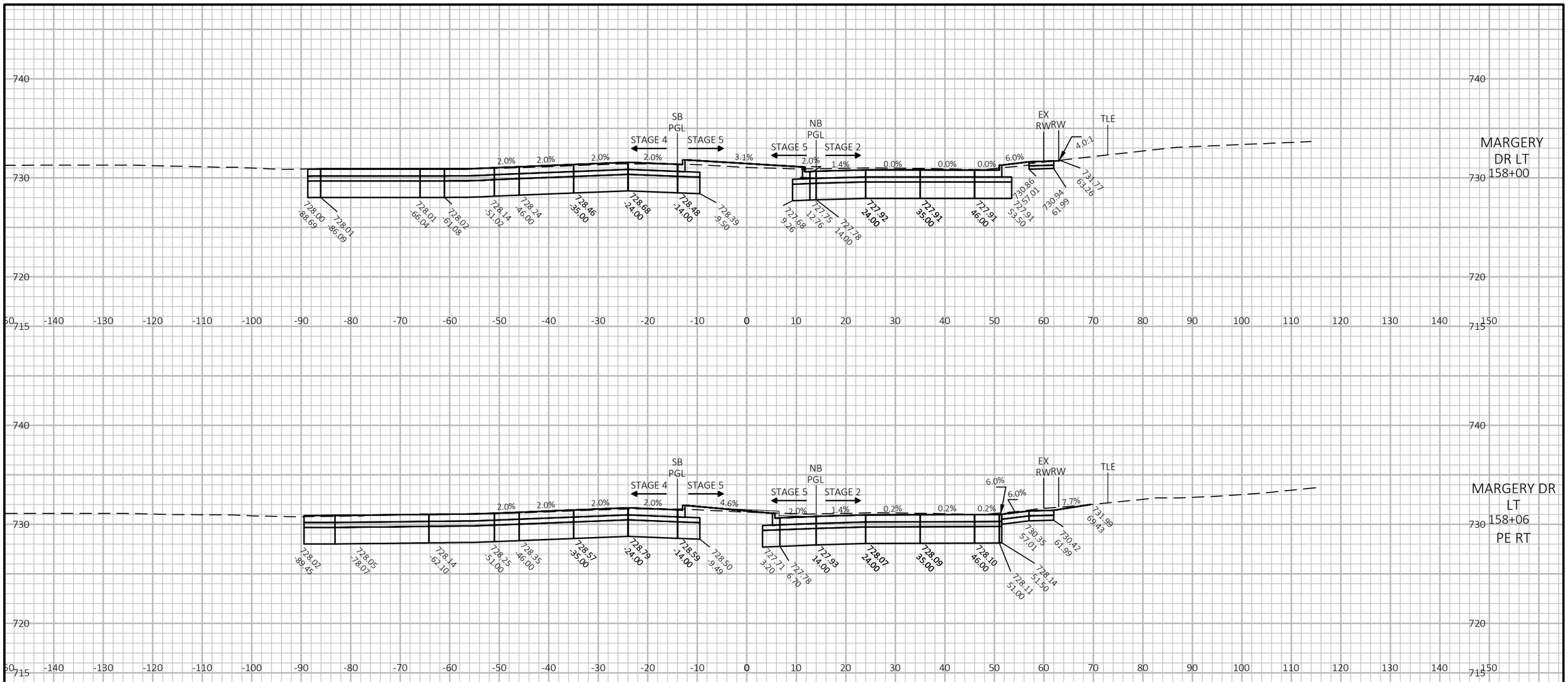
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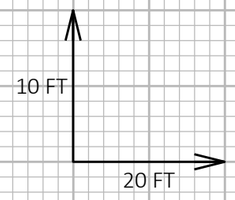
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1143	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 35

PLOT DATE : 7/15/2025 12:58 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.





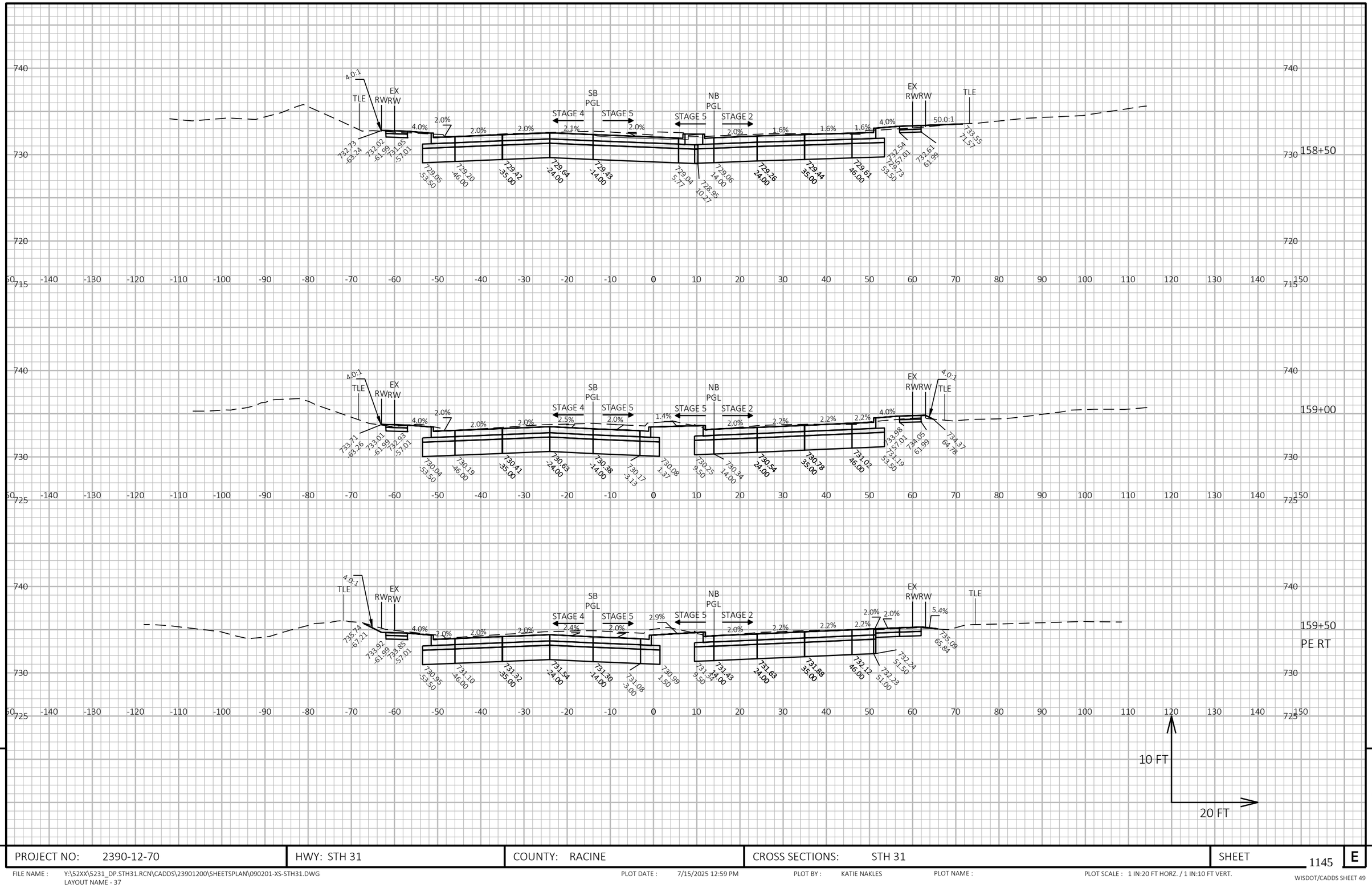
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1144	E

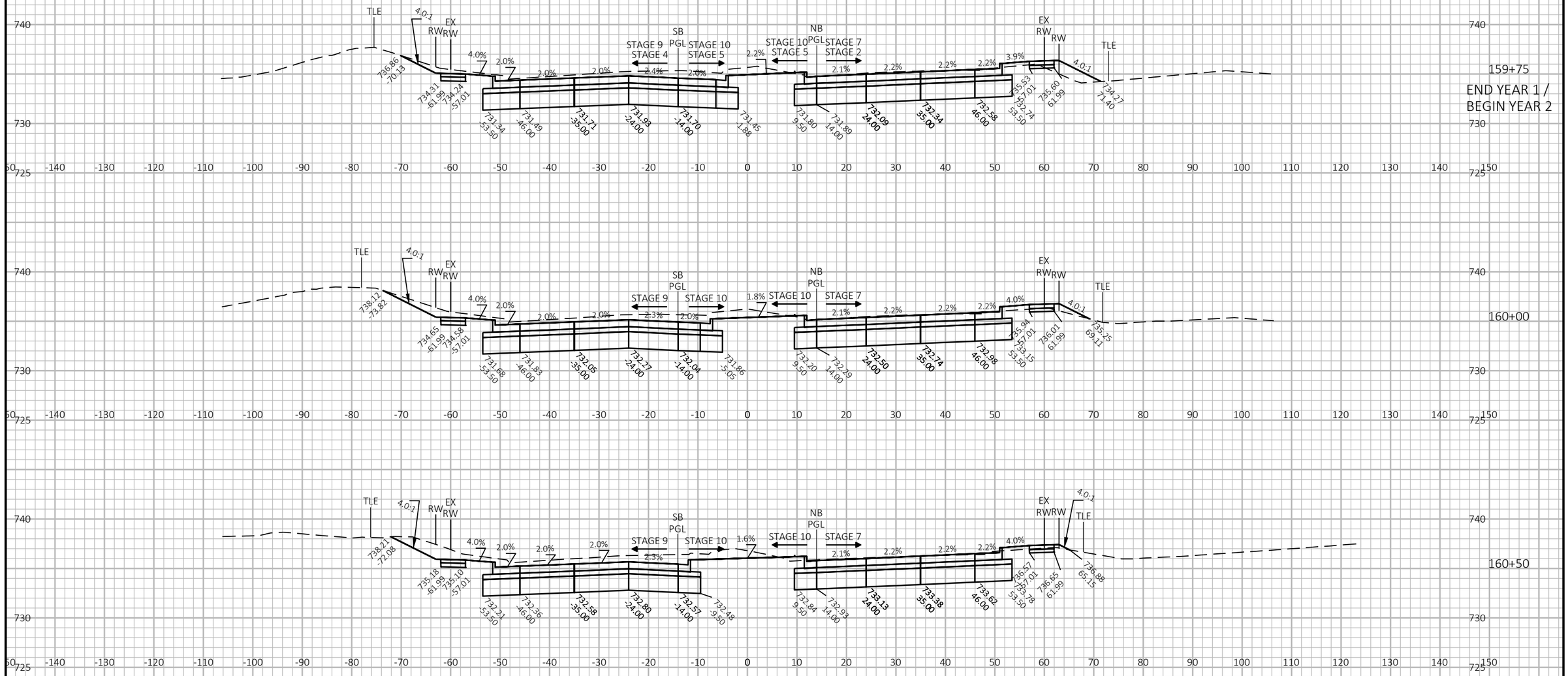
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 36

PLOT DATE : 7/15/2025 12:58 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1145 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 37
PLOT DATE : 7/15/2025 12:59 PM
PLOT BY : KATIE NAKLES
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



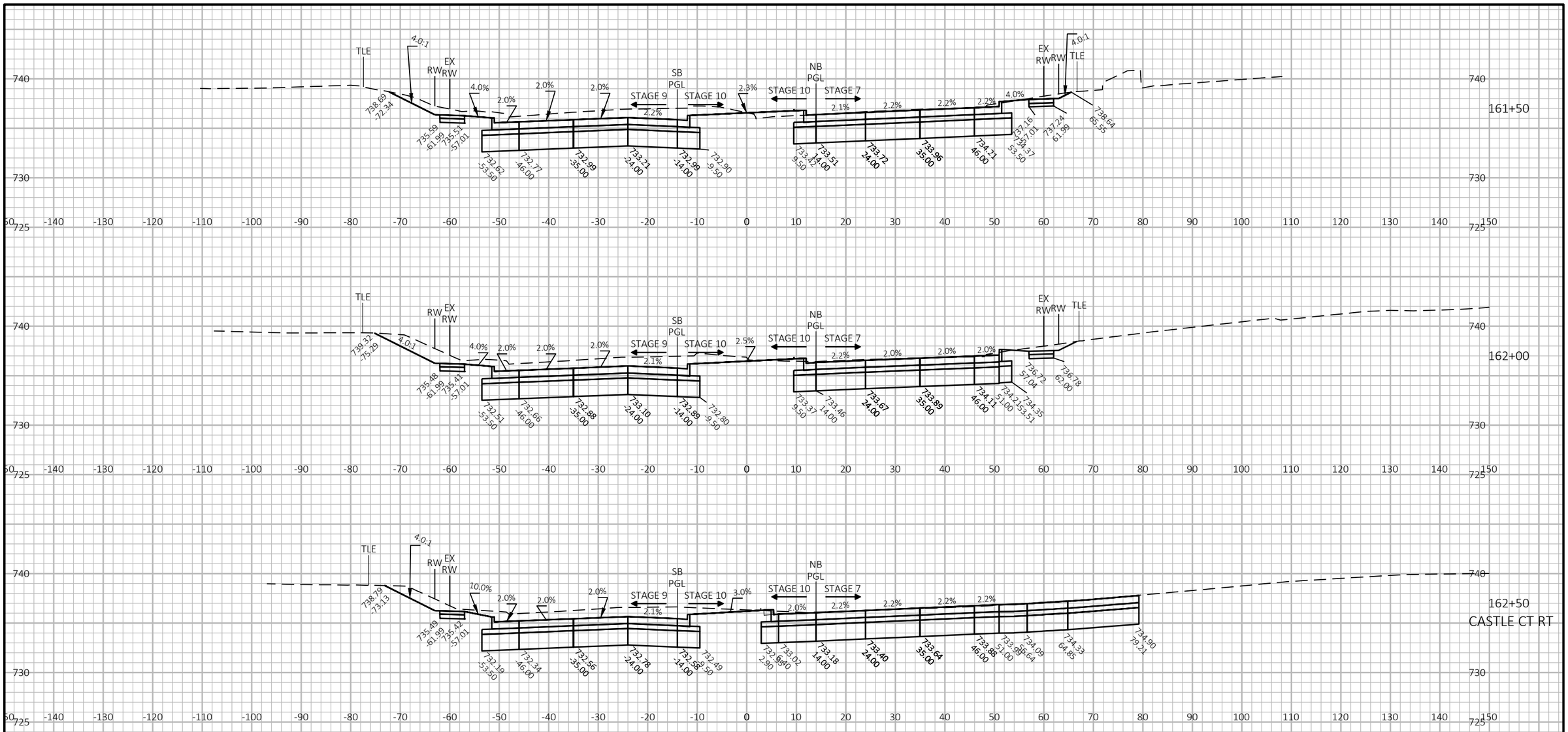
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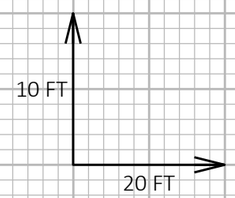
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1146	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 38

PLOT DATE : 7/15/2025 12:59 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

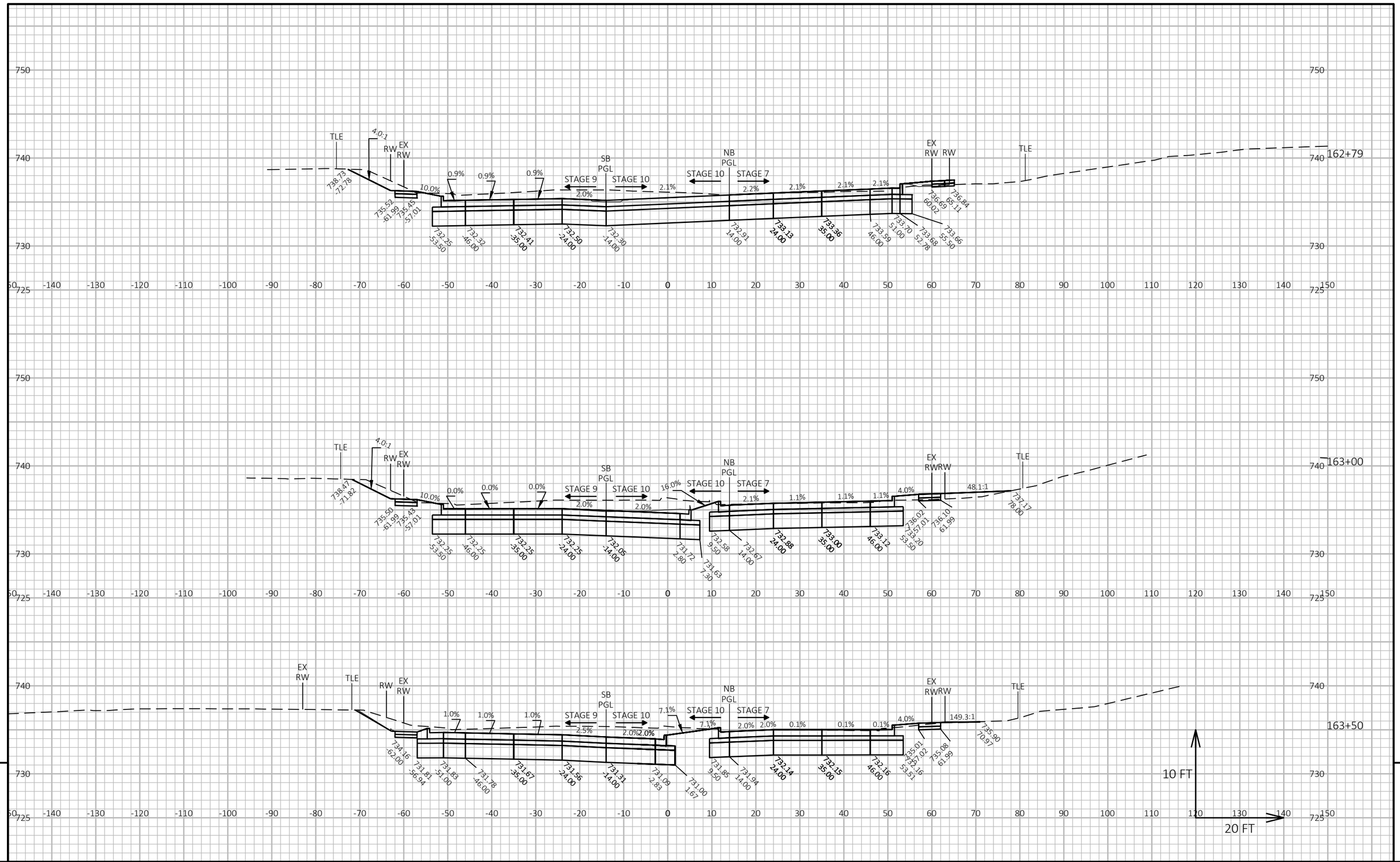
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1147	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 39

PLOT DATE : 7/15/2025 12:59 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



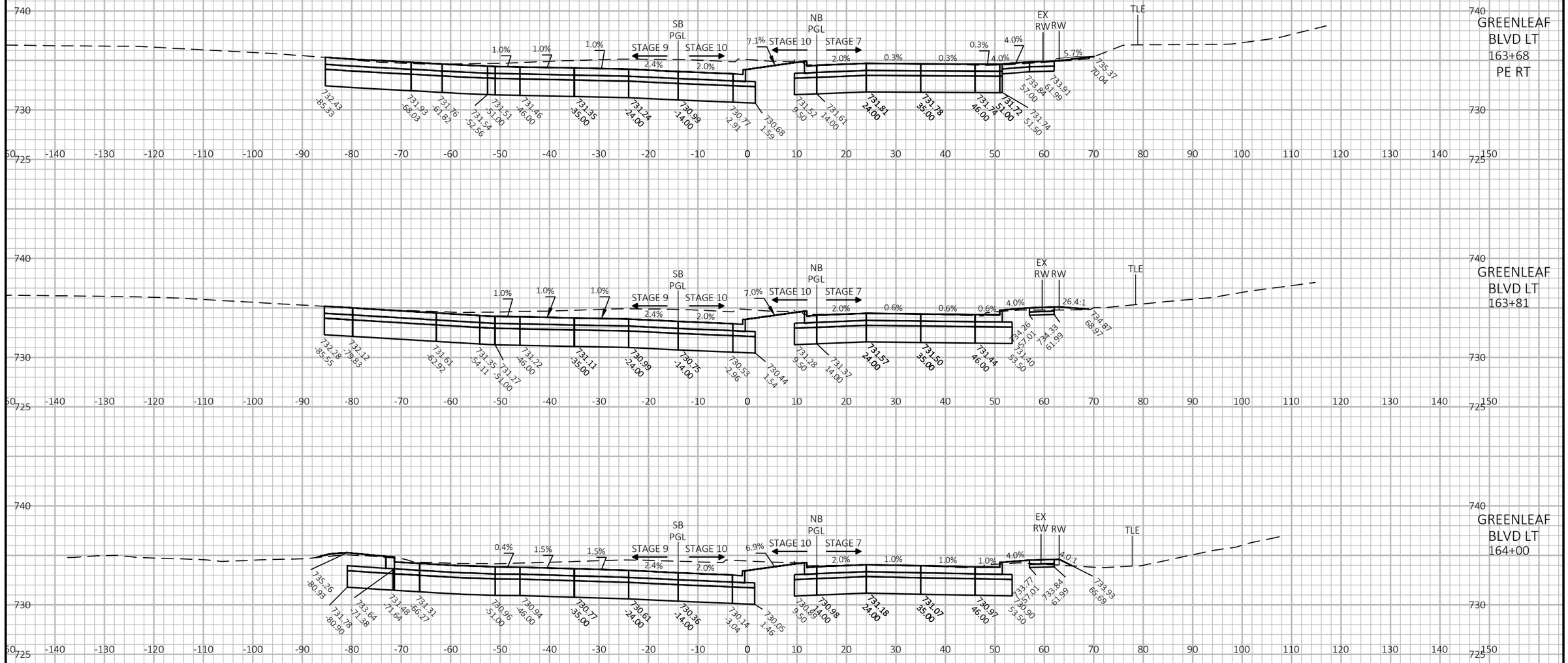
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1148	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 40

PLOT DATE : 7/15/2025 12:59 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

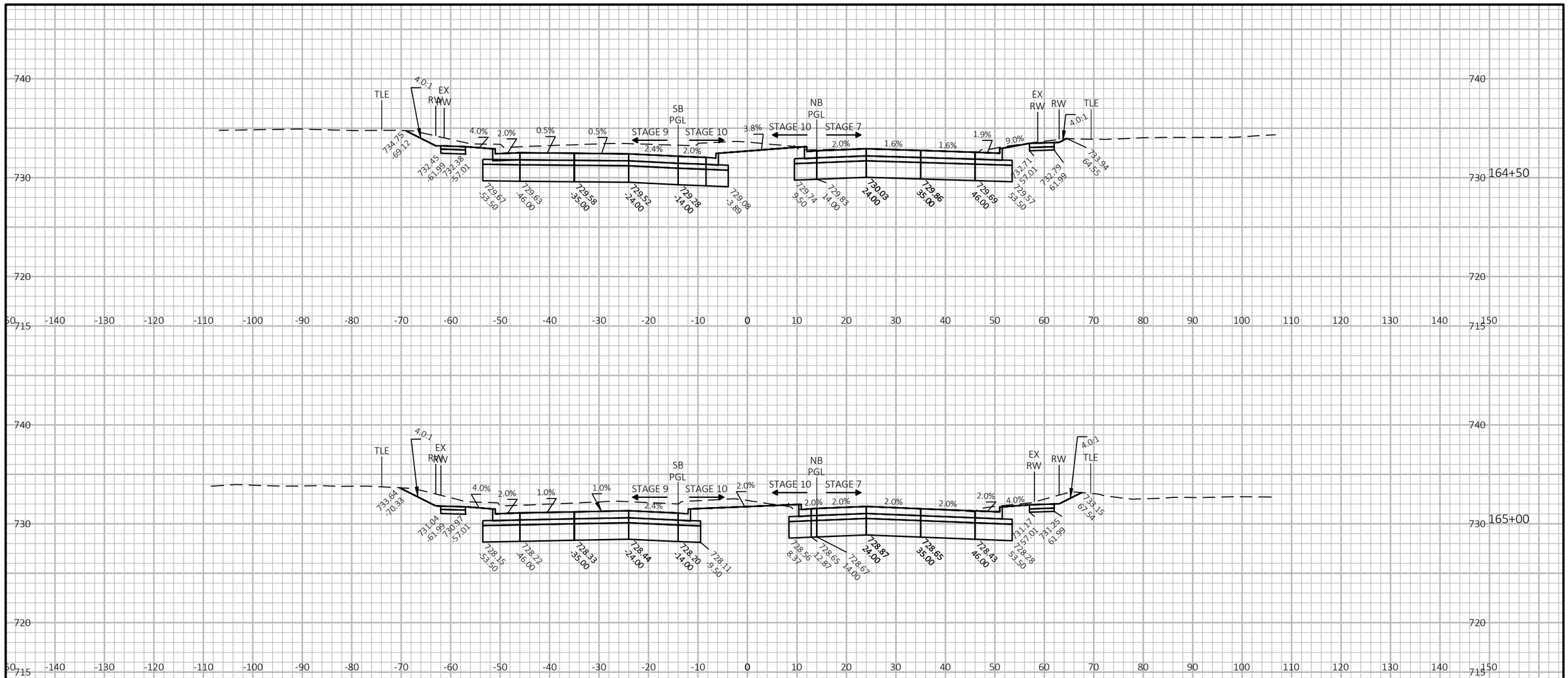
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1149	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 41

PLOT DATE : 7/15/2025 1:00 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



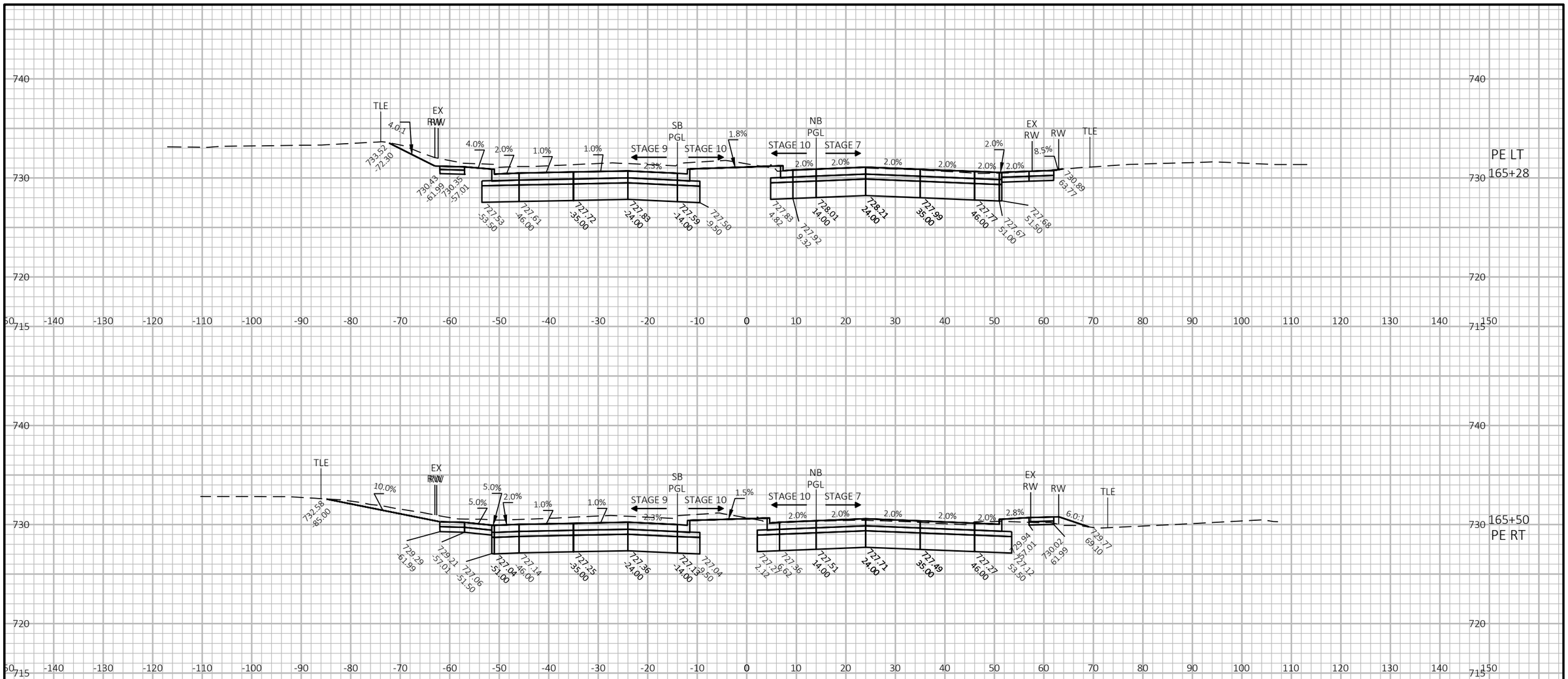
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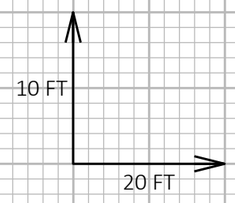
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1150	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 42

PLOT DATE : 7/15/2025 1:00 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.





9

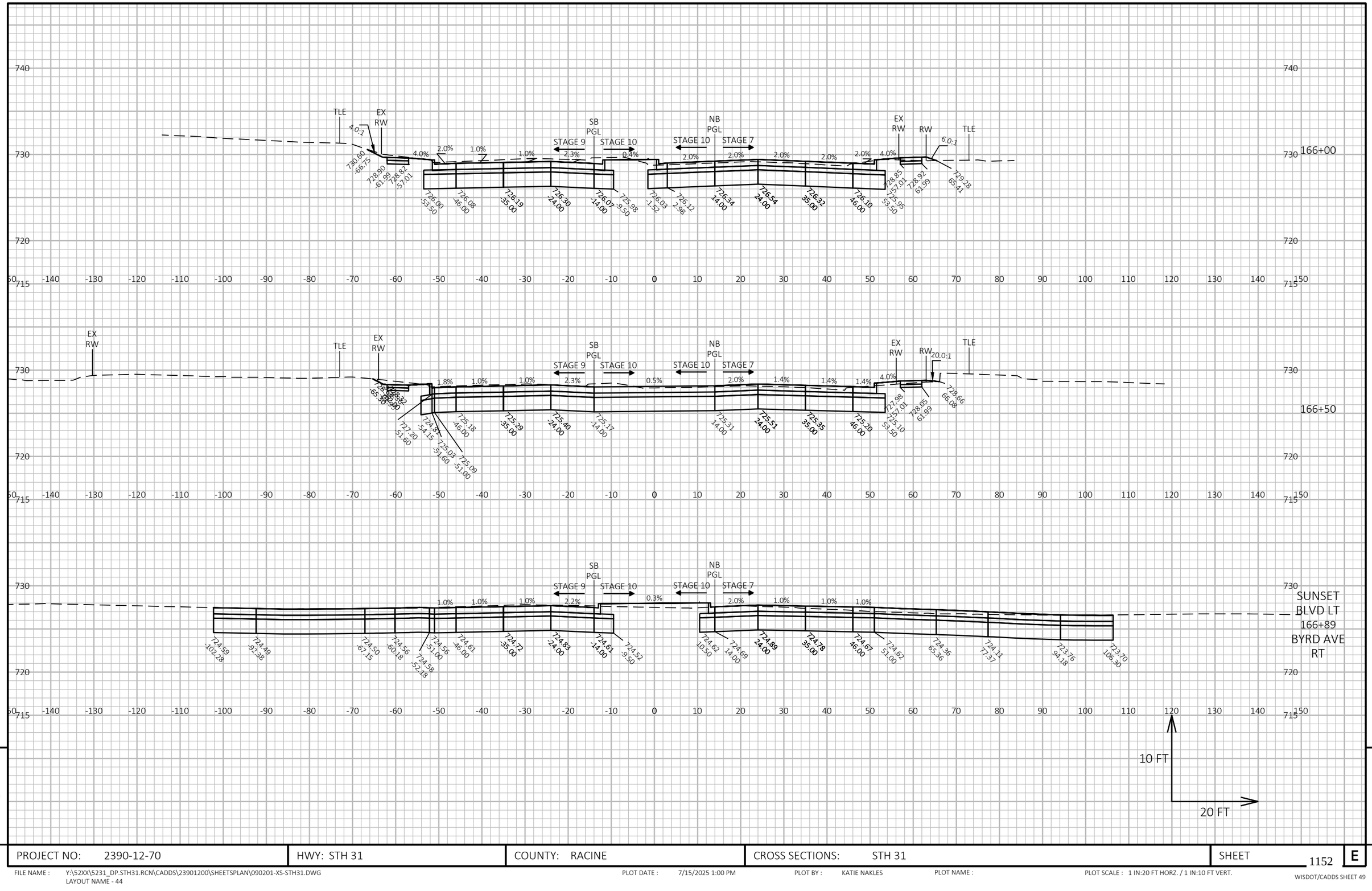
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1151	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 43

PLOT DATE : 7/15/2025 1:00 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1152 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 44

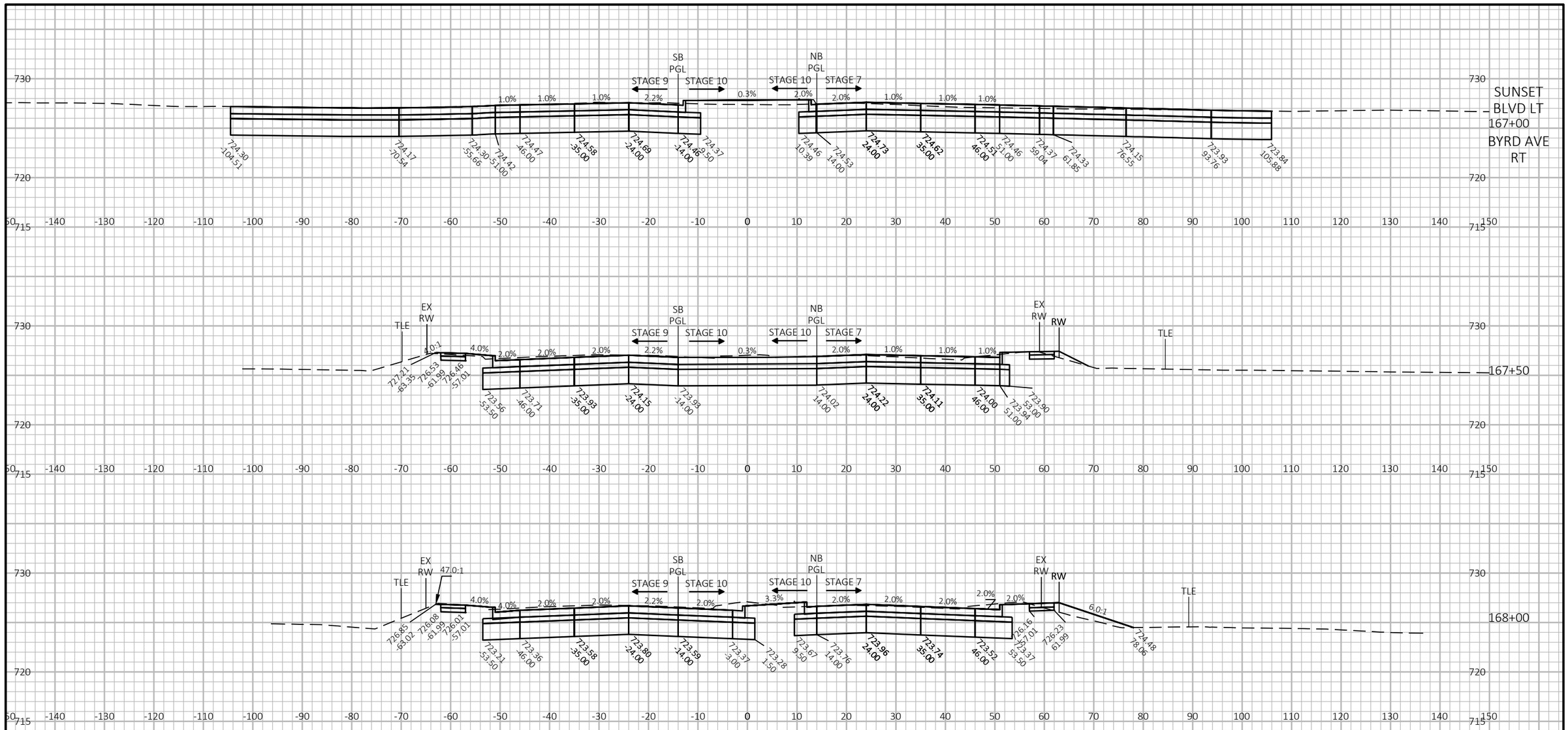
PLOT DATE : 7/15/2025 1:00 PM

PLOT BY : KATIE NAKLES

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

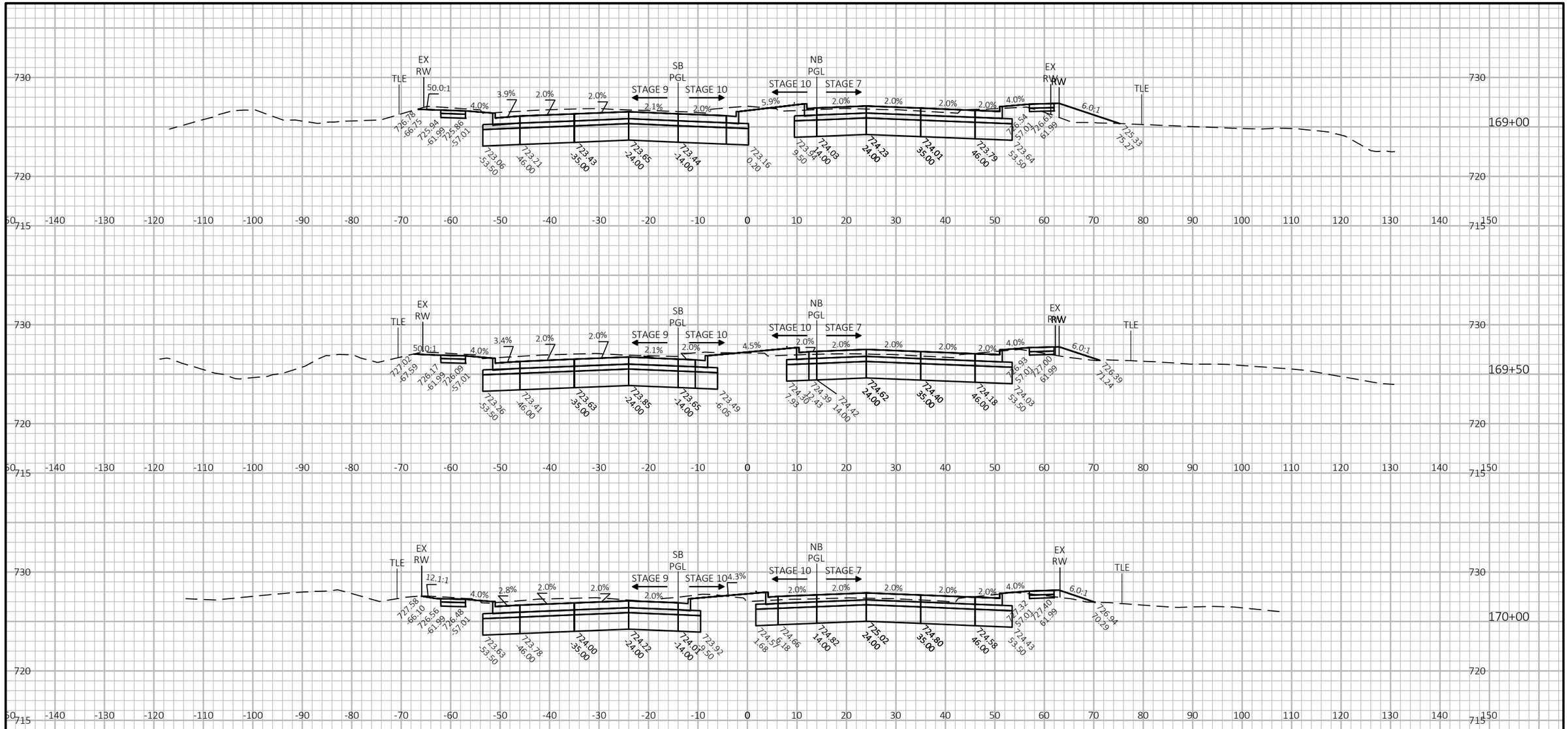
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1153	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 45

PLOT DATE : 7/15/2025 1:01 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1154	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 46

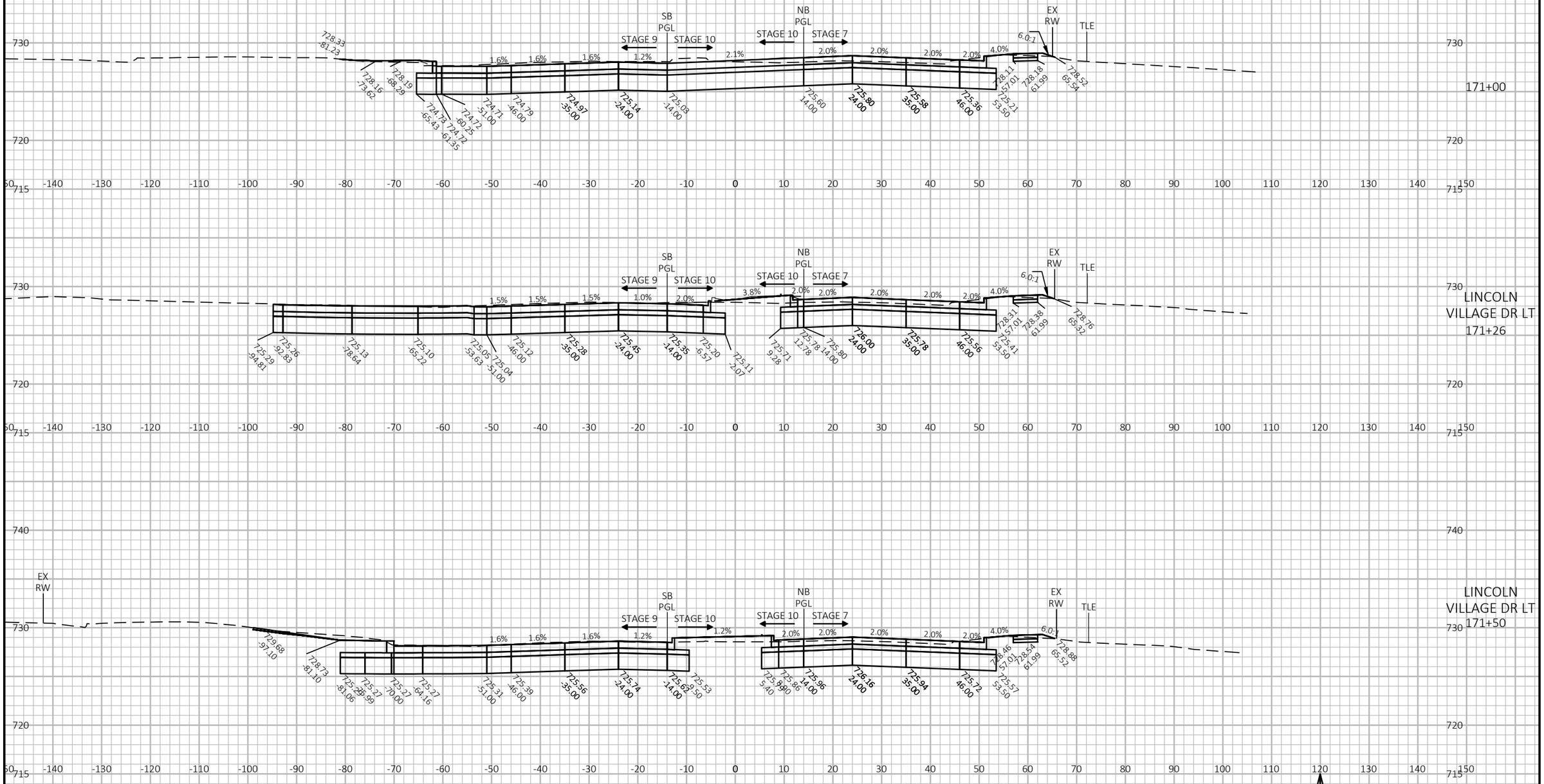
PLOT DATE : 7/15/2025 1:01 PM

PLOT BY : KATIE NAKLES

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

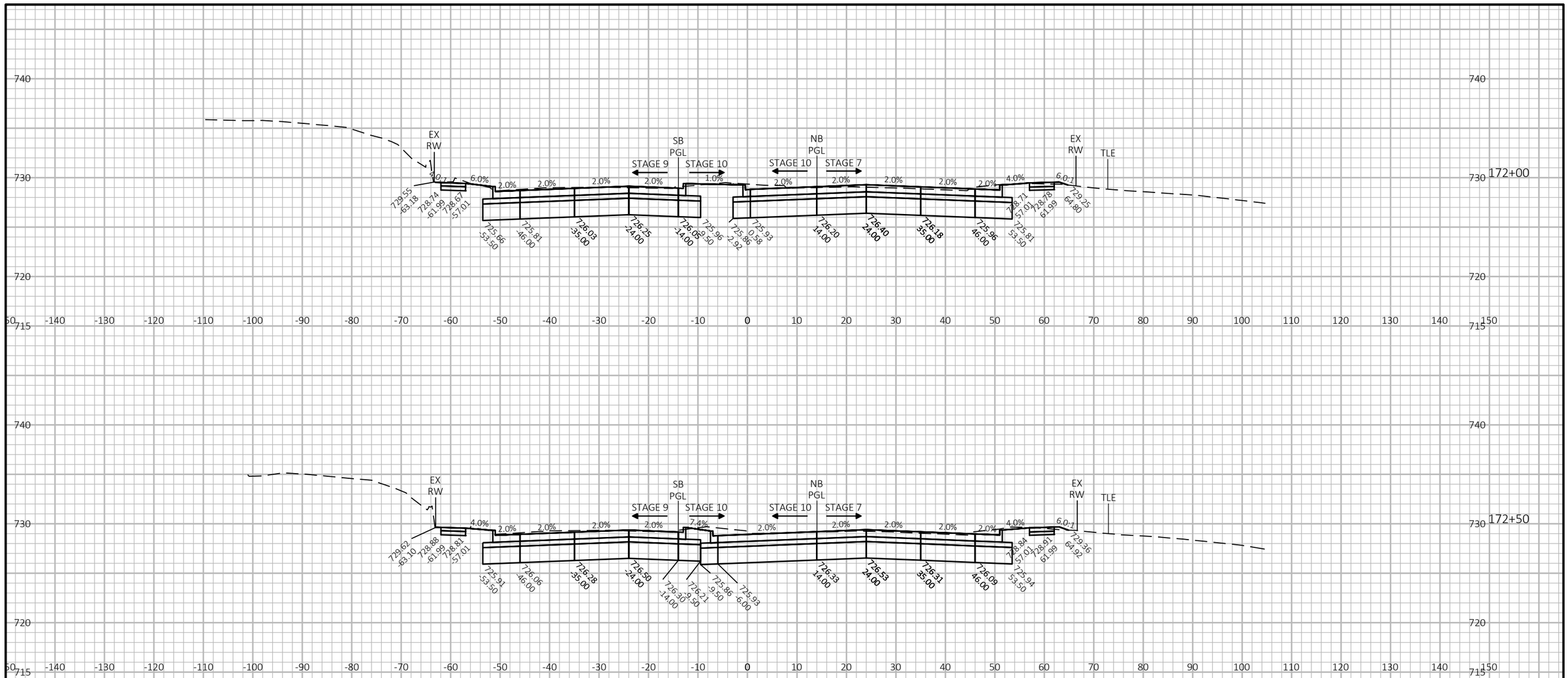


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1155 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 47

PLOT DATE : 7/15/2025 1:01 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



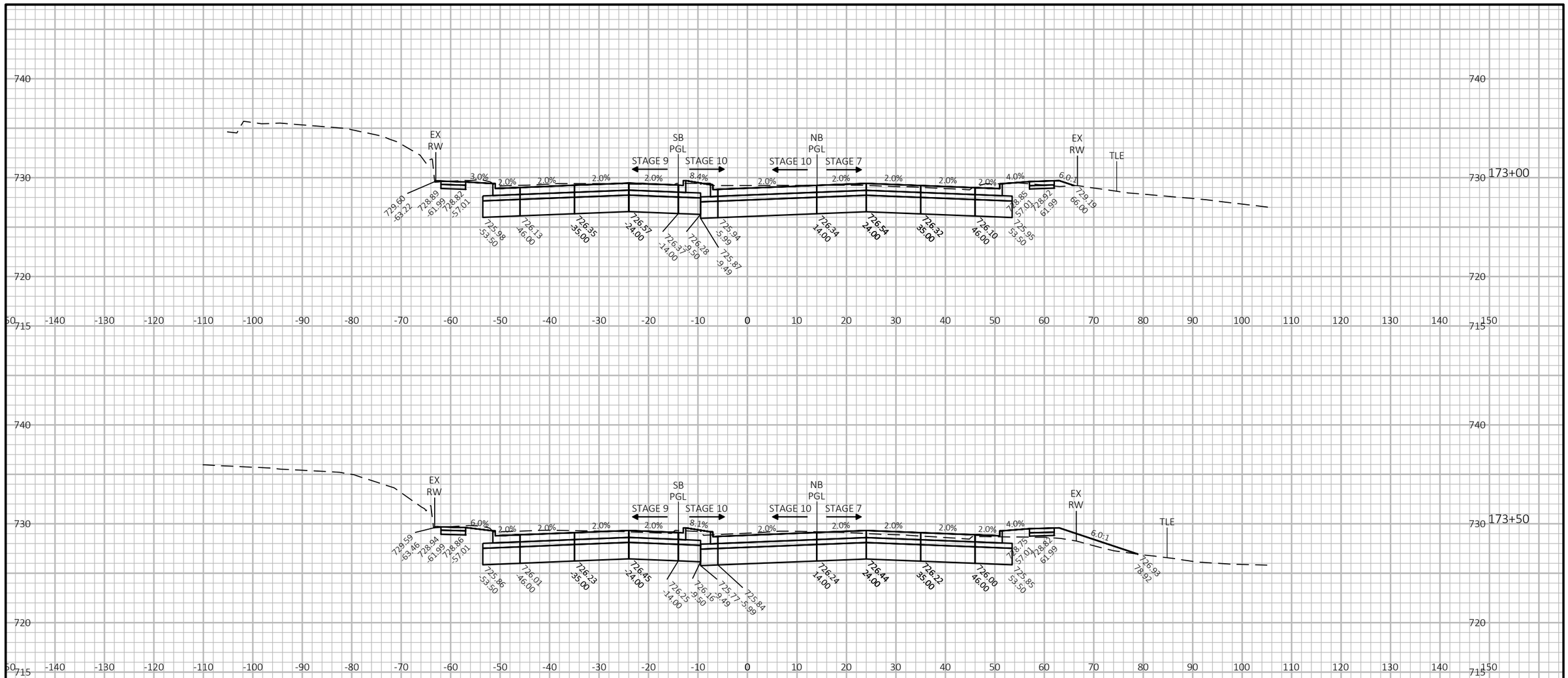
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1156	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 48

PLOT DATE : 7/15/2025 1:01 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



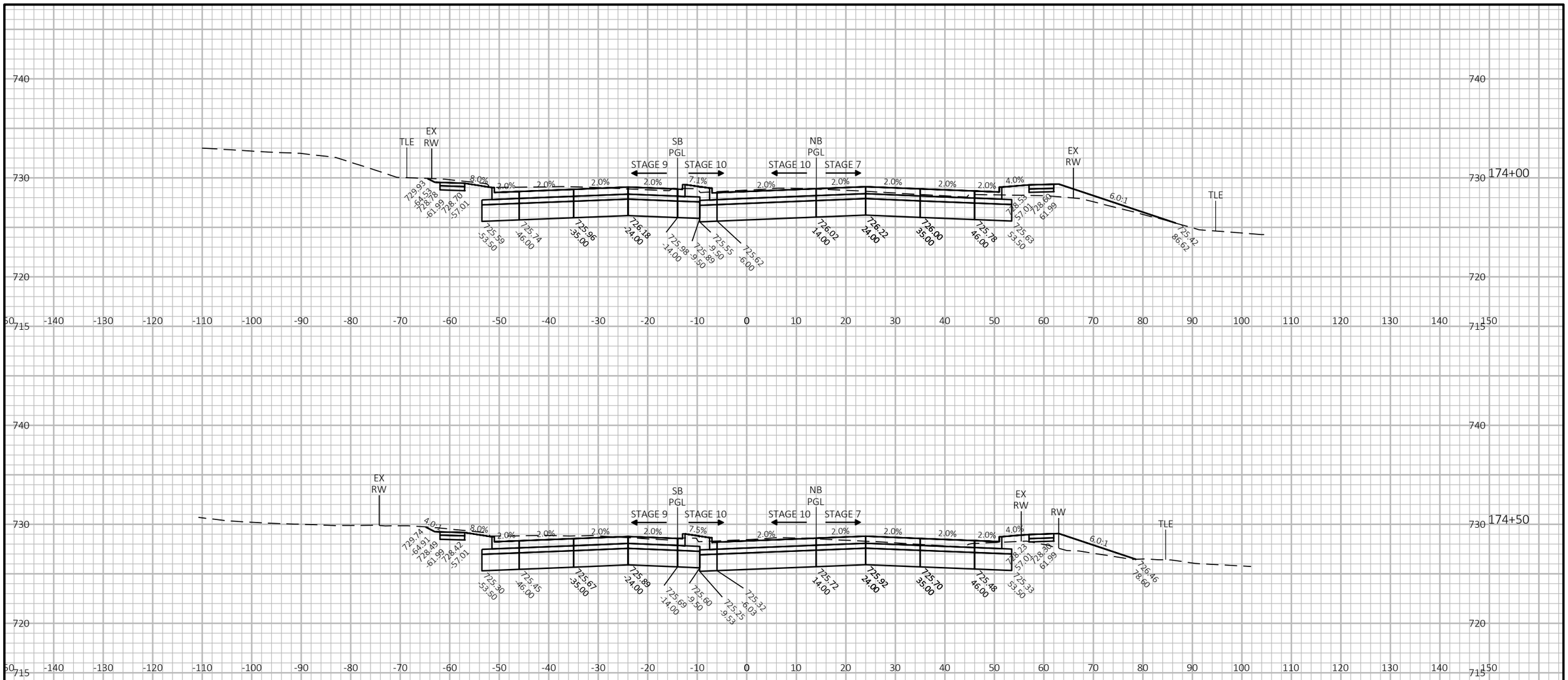
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1157	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 49

PLOT DATE : 7/15/2025 1:02 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



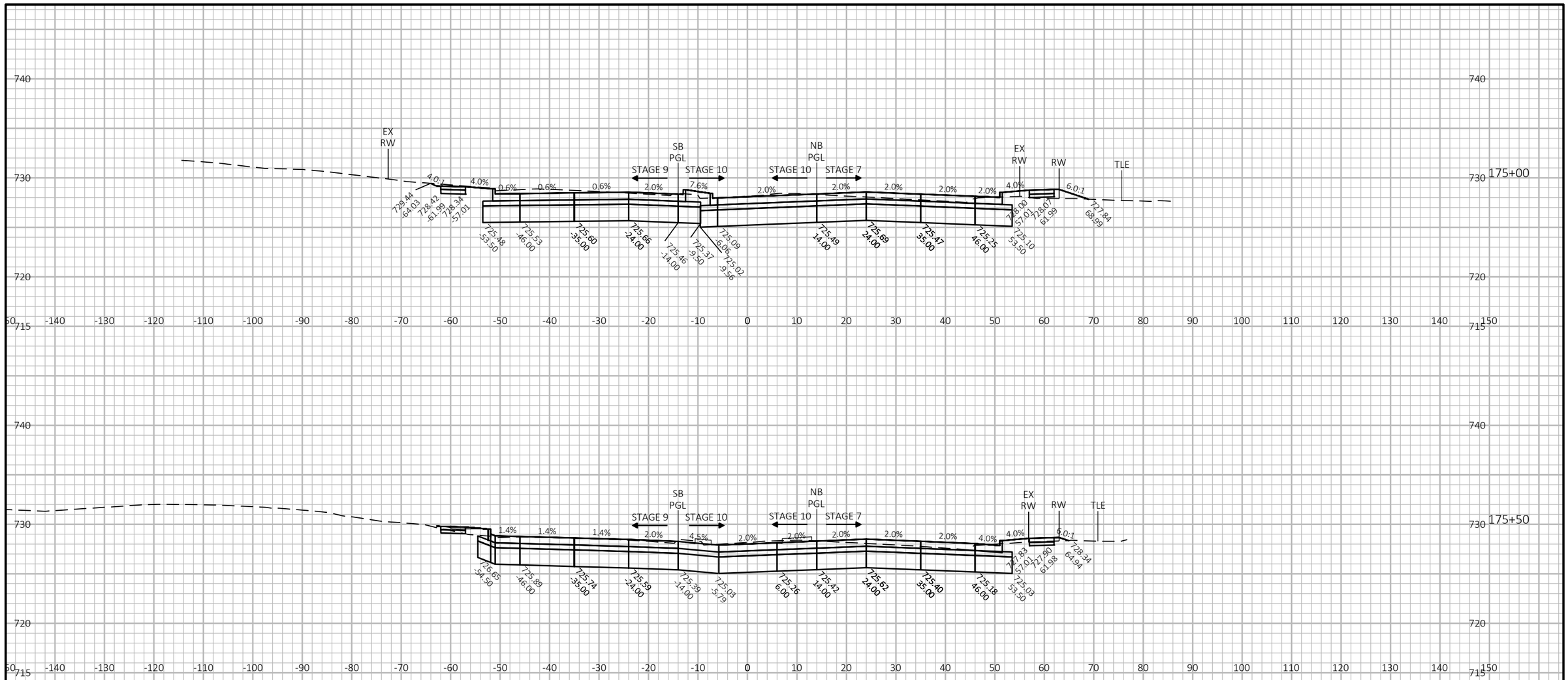
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1158	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 50

PLOT DATE : 7/15/2025 1:02 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

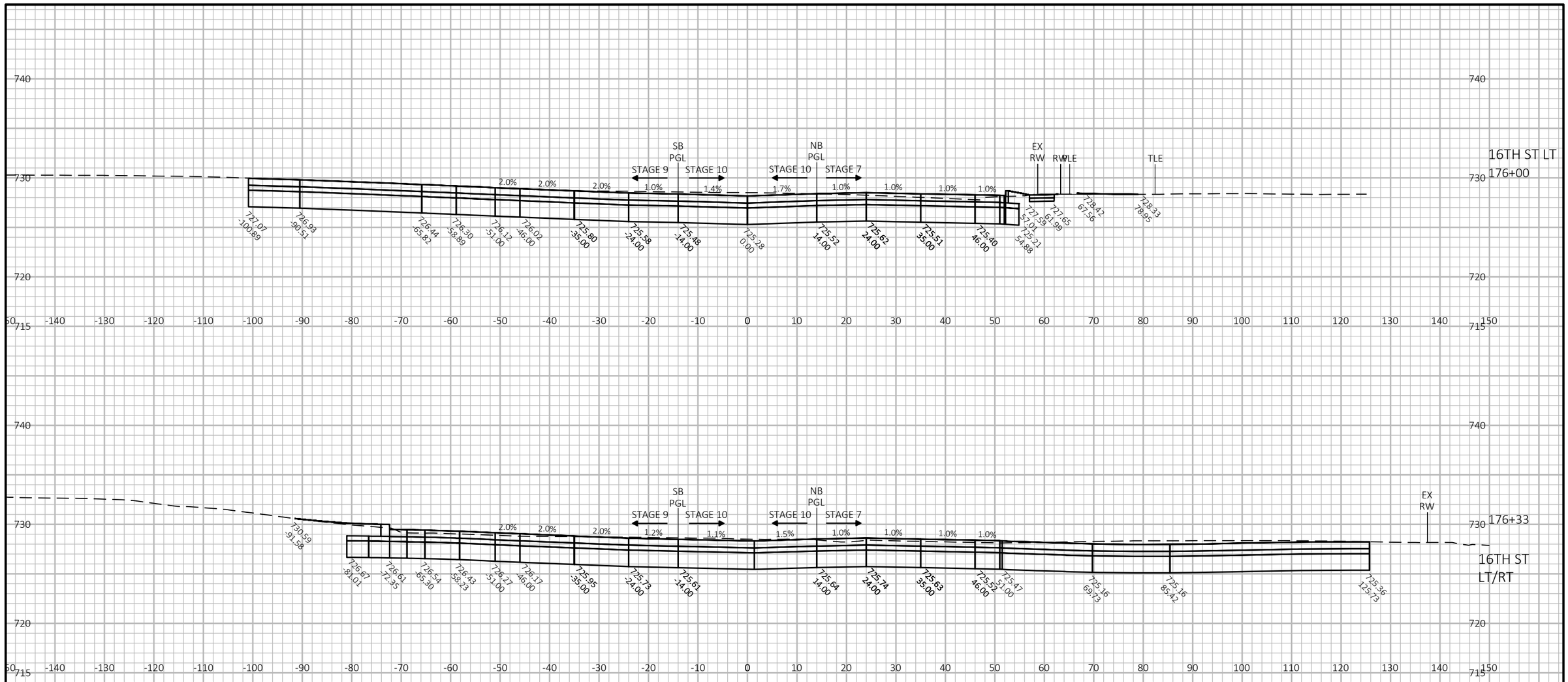
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1159	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 51

PLOT DATE : 7/15/2025 1:02 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

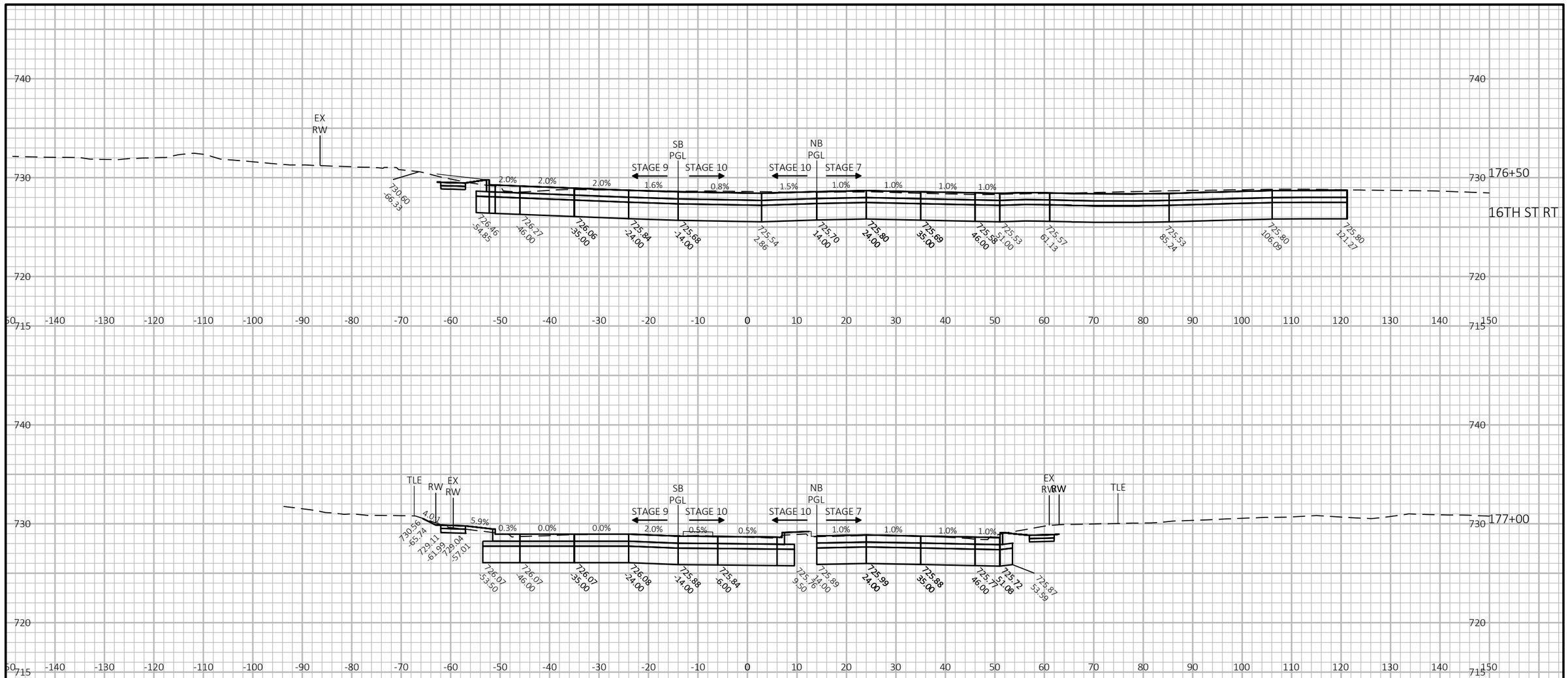


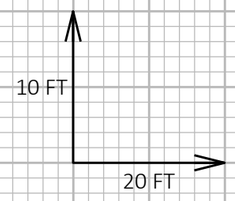
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1160	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 52

PLOT DATE : 7/15/2025 1:02 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





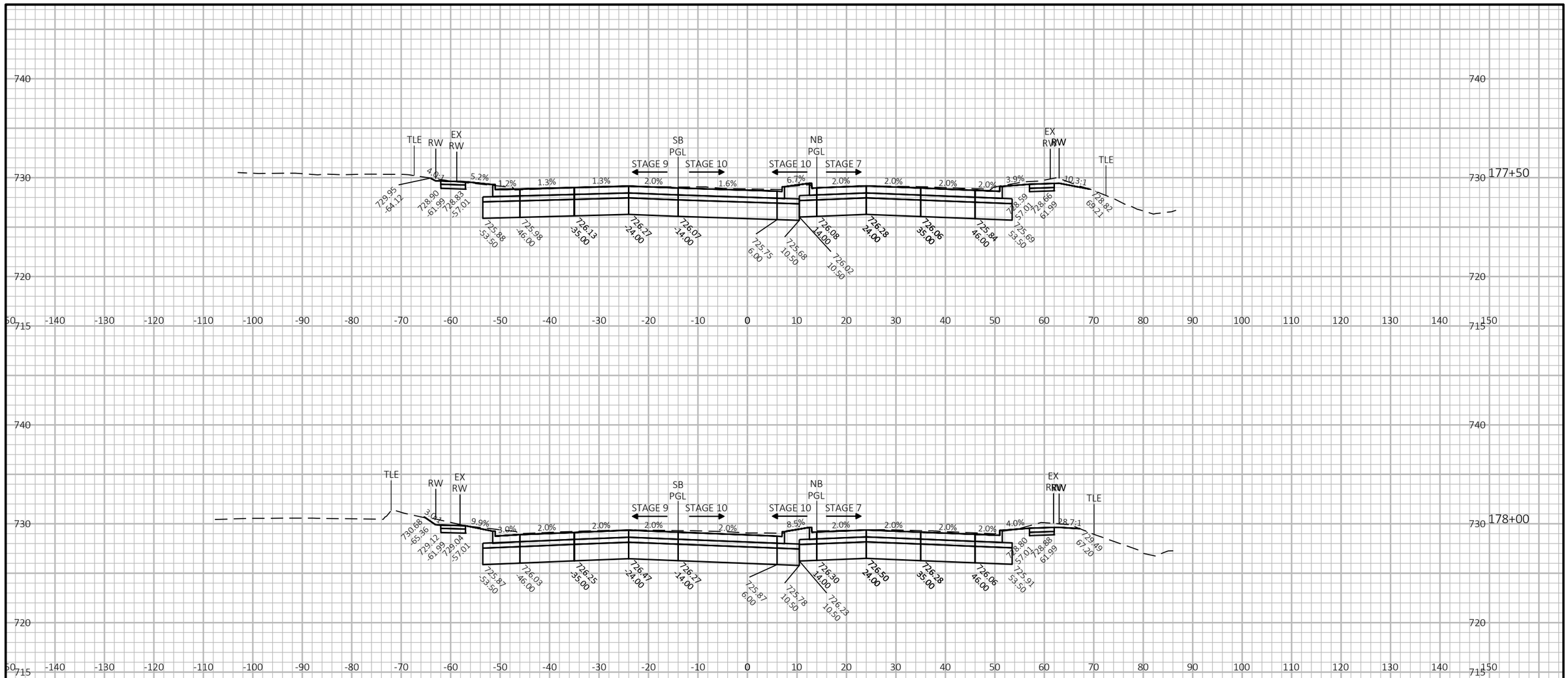
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1161	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 53

PLOT DATE : 7/15/2025 1:03 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

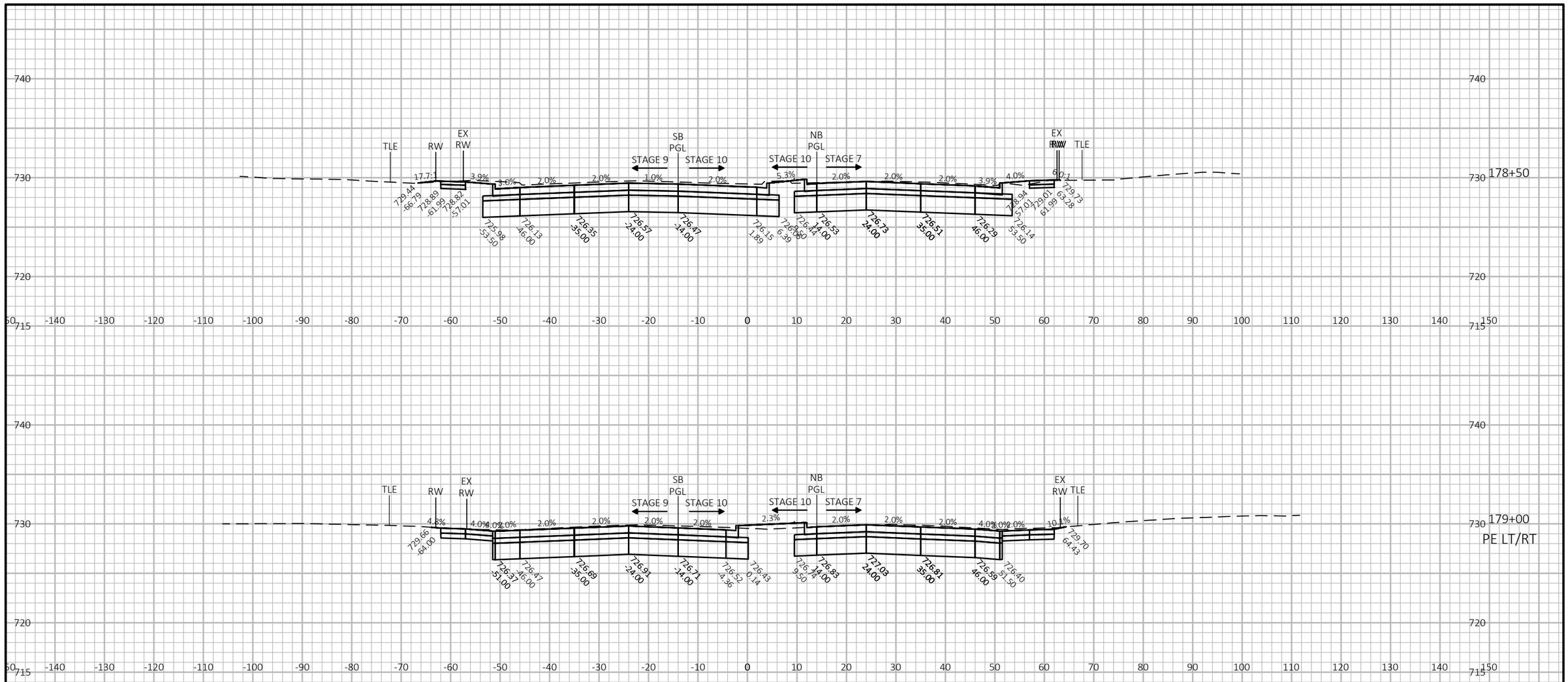


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1162 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 54

PLOT DATE : 7/15/2025 1:03 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

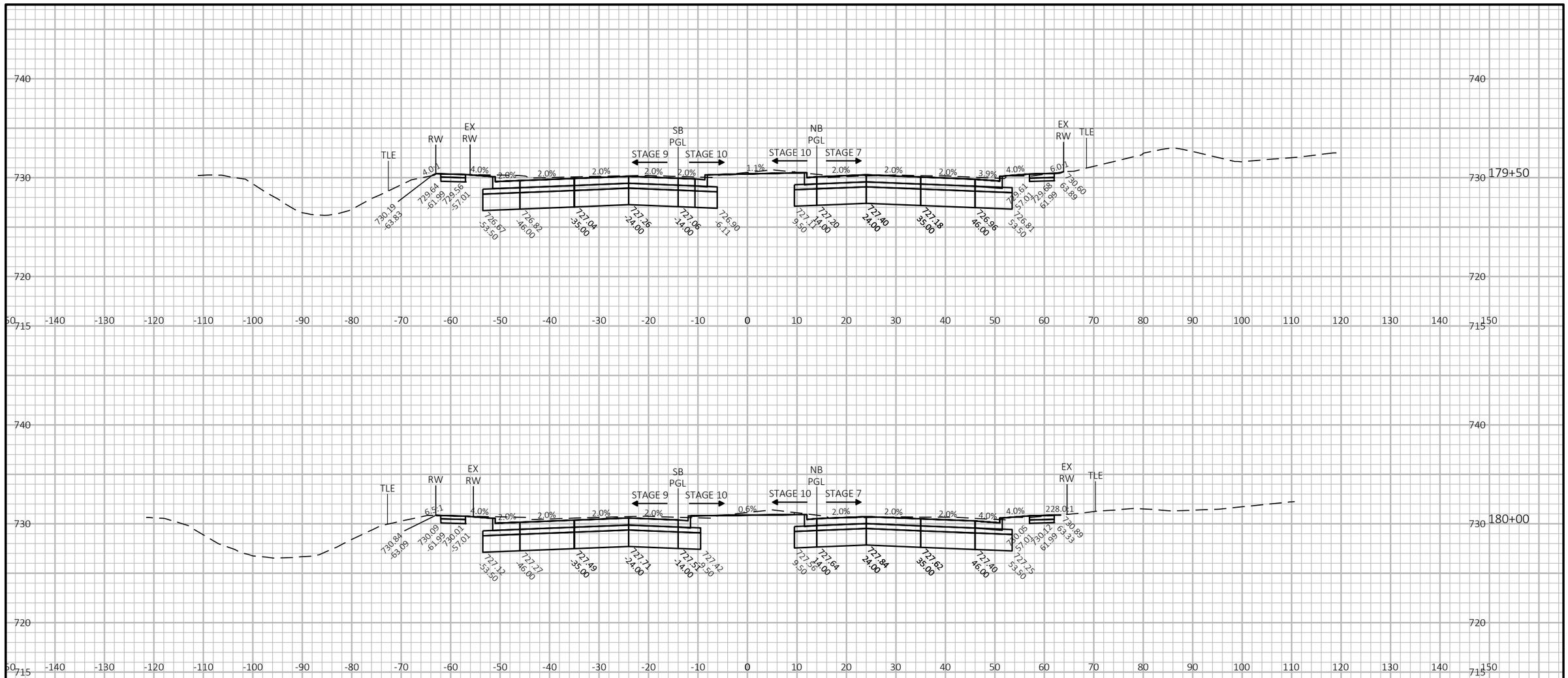


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1163	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 55

PLOT DATE : 7/15/2025 1:03 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

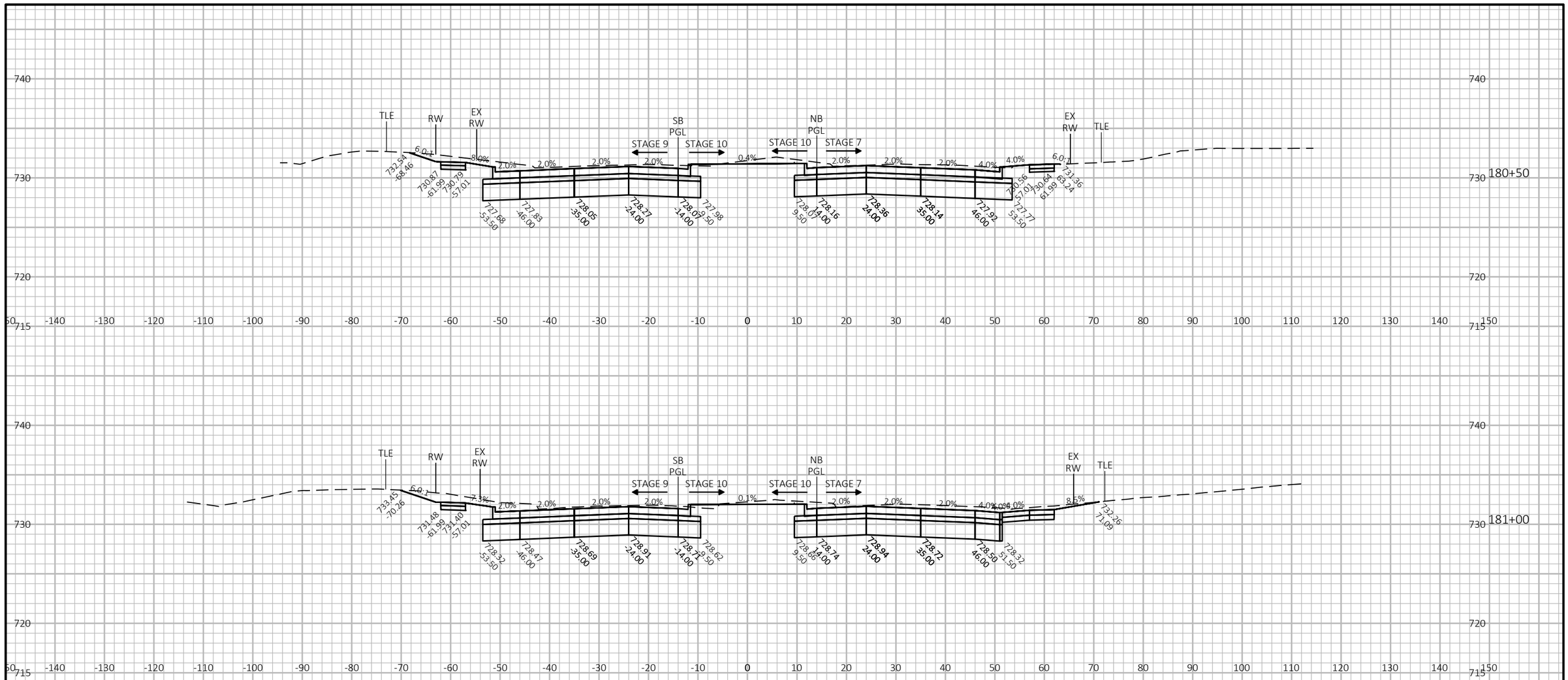


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1164	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 56

PLOT DATE : 7/15/2025 1:04 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



10 FT

20 FT

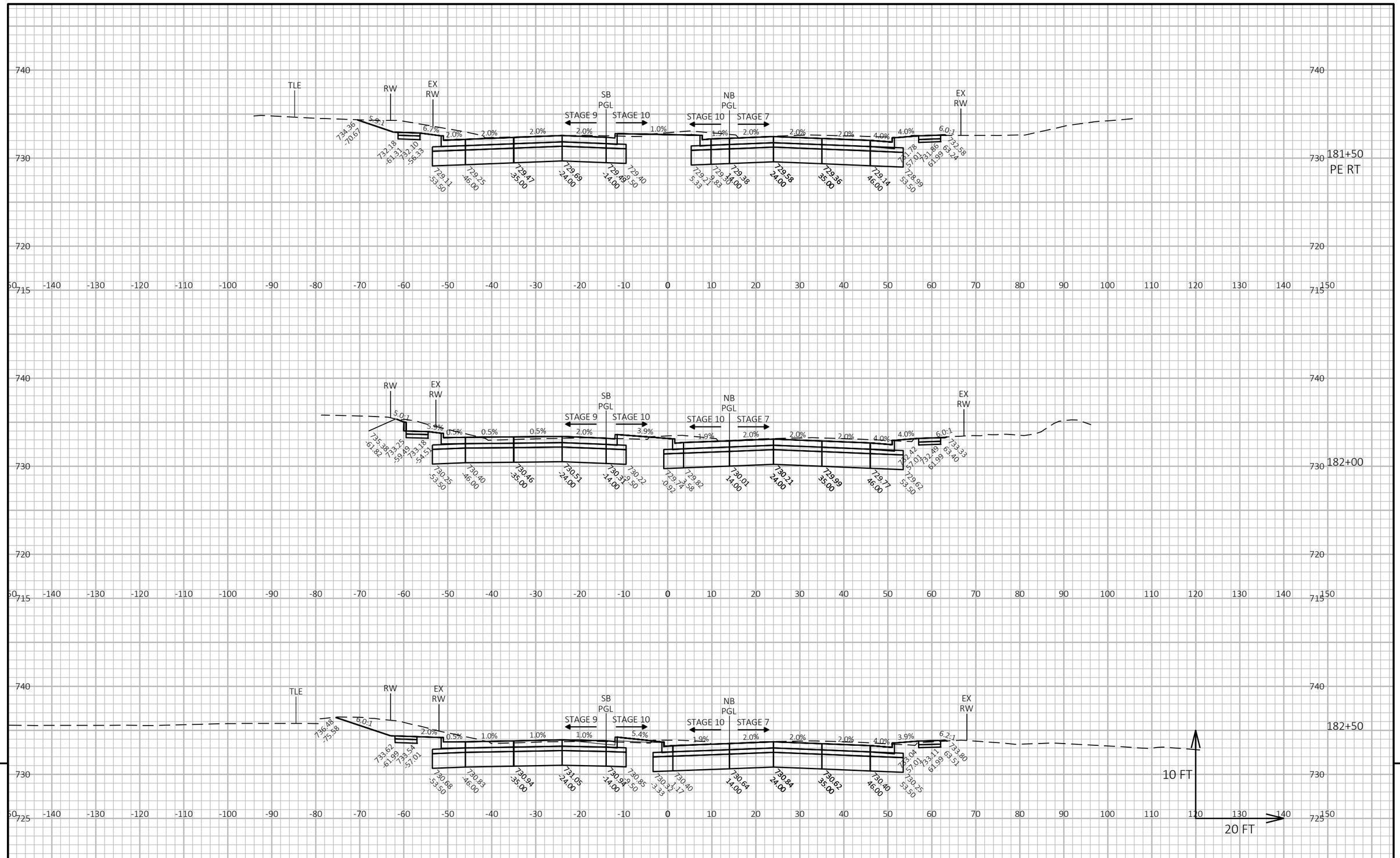
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1165	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 57

PLOT DATE : 7/15/2025 1:04 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



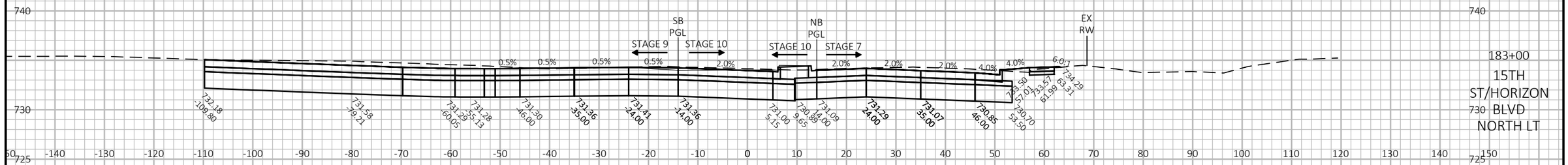
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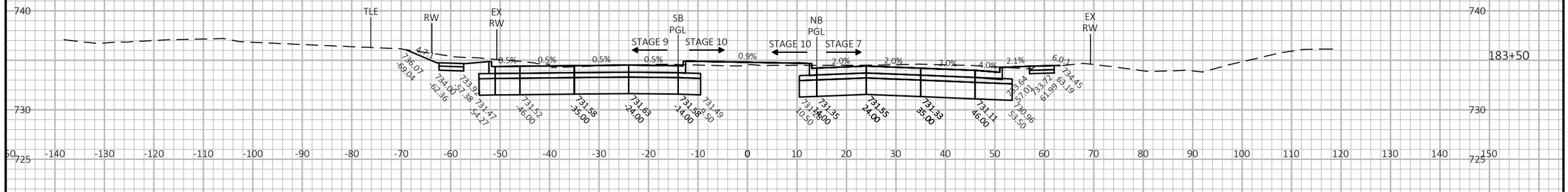
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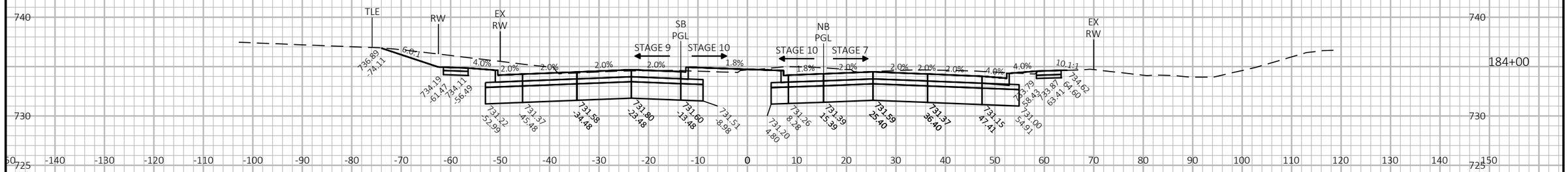
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1166	E

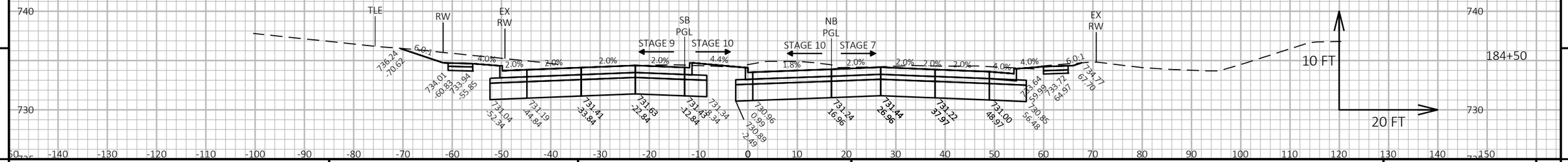
FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 58

PLOT DATE : 7/15/2025 1:04 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.









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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1167	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 59

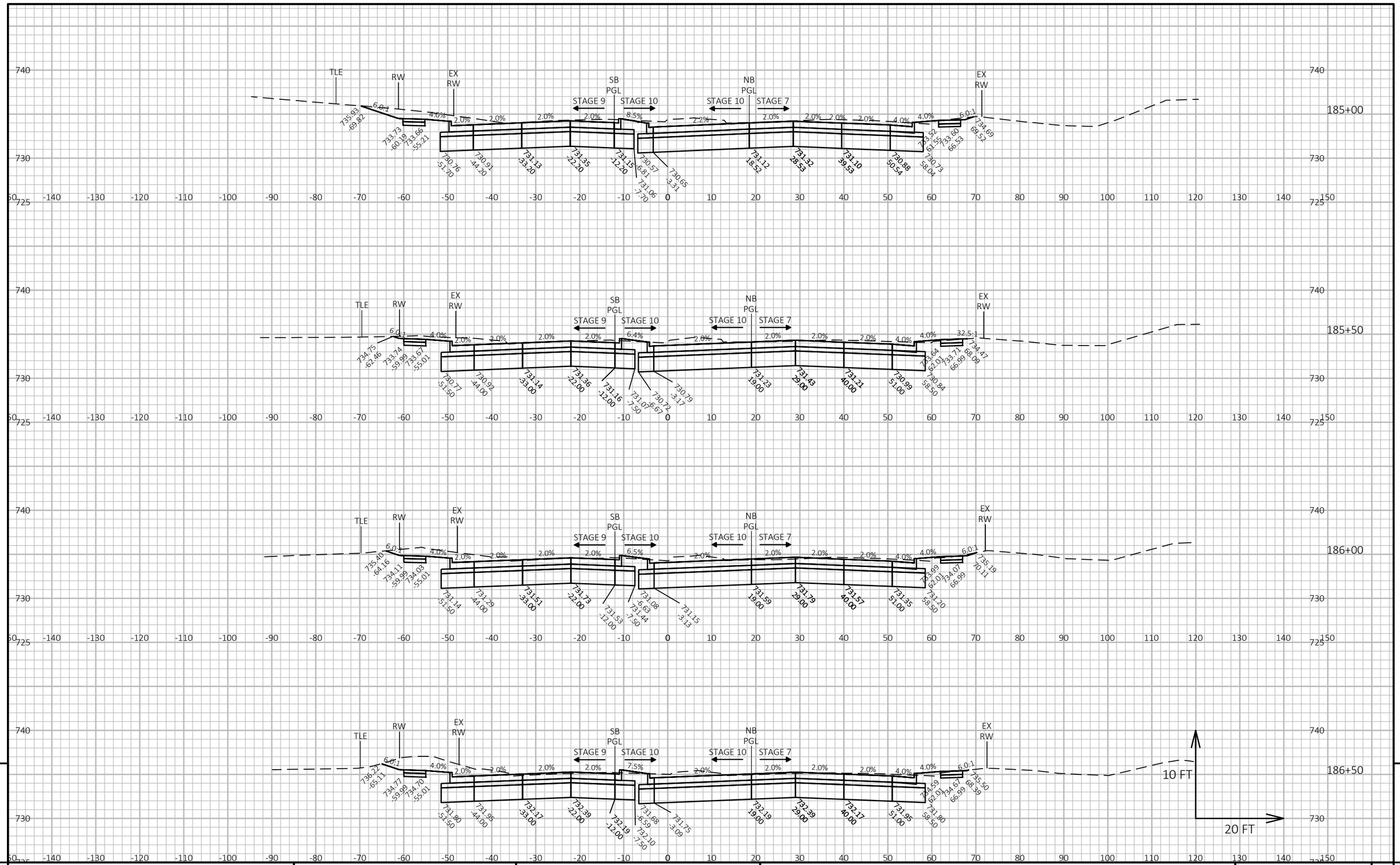
PLOT DATE : 7/15/2025 1:04 PM

PLOT BY : KATIE NAKLES

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1168	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 60

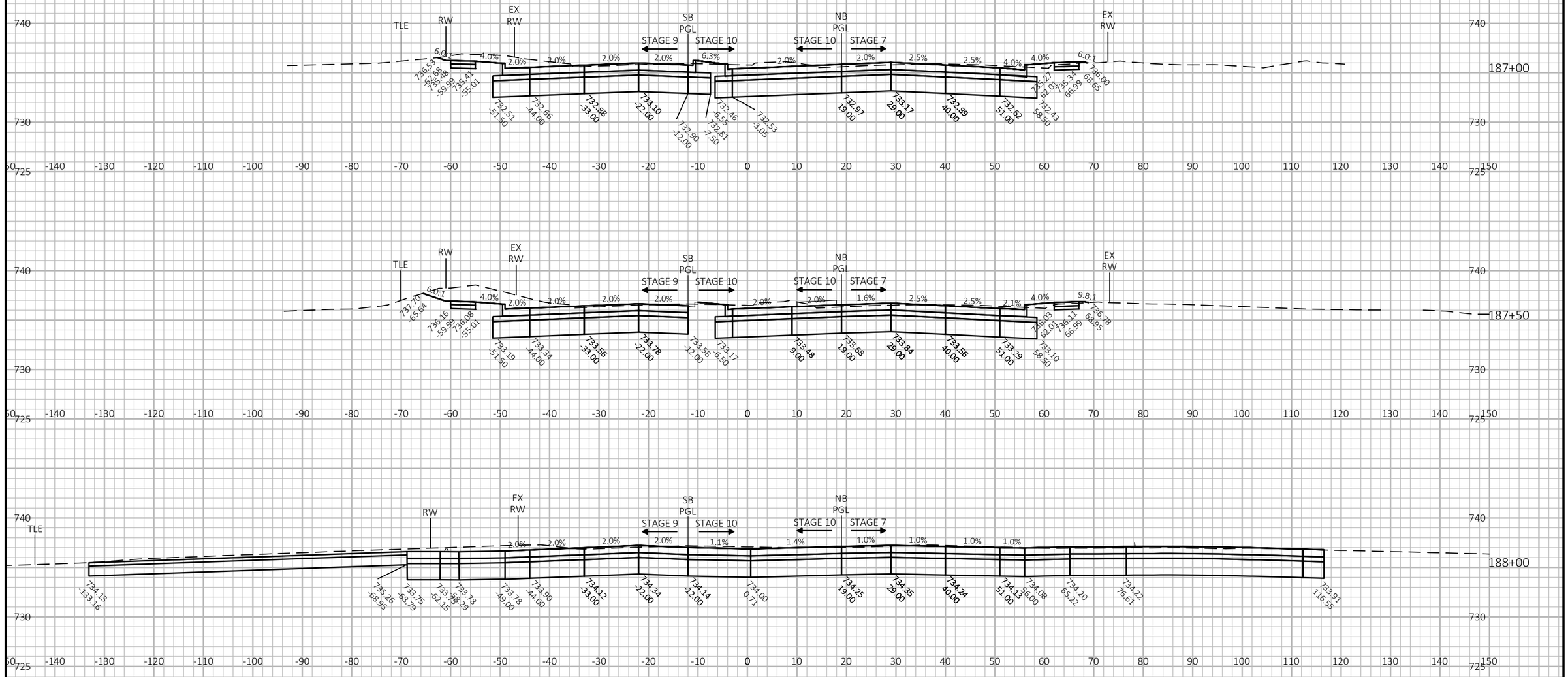
PLOT DATE : 7/15/2025 1:05 PM

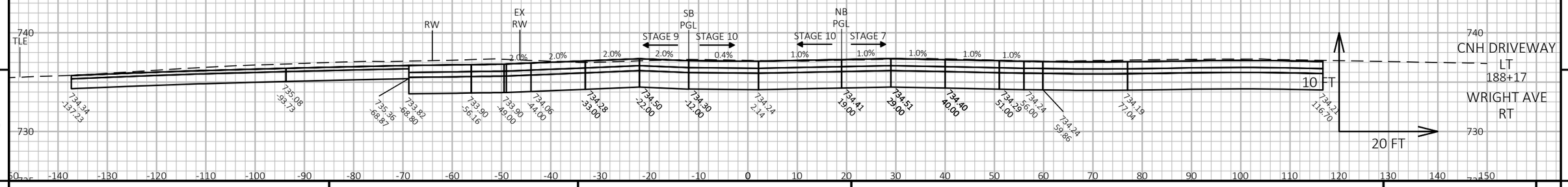
PLOT BY : KATIE NAKLES

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1169	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 61

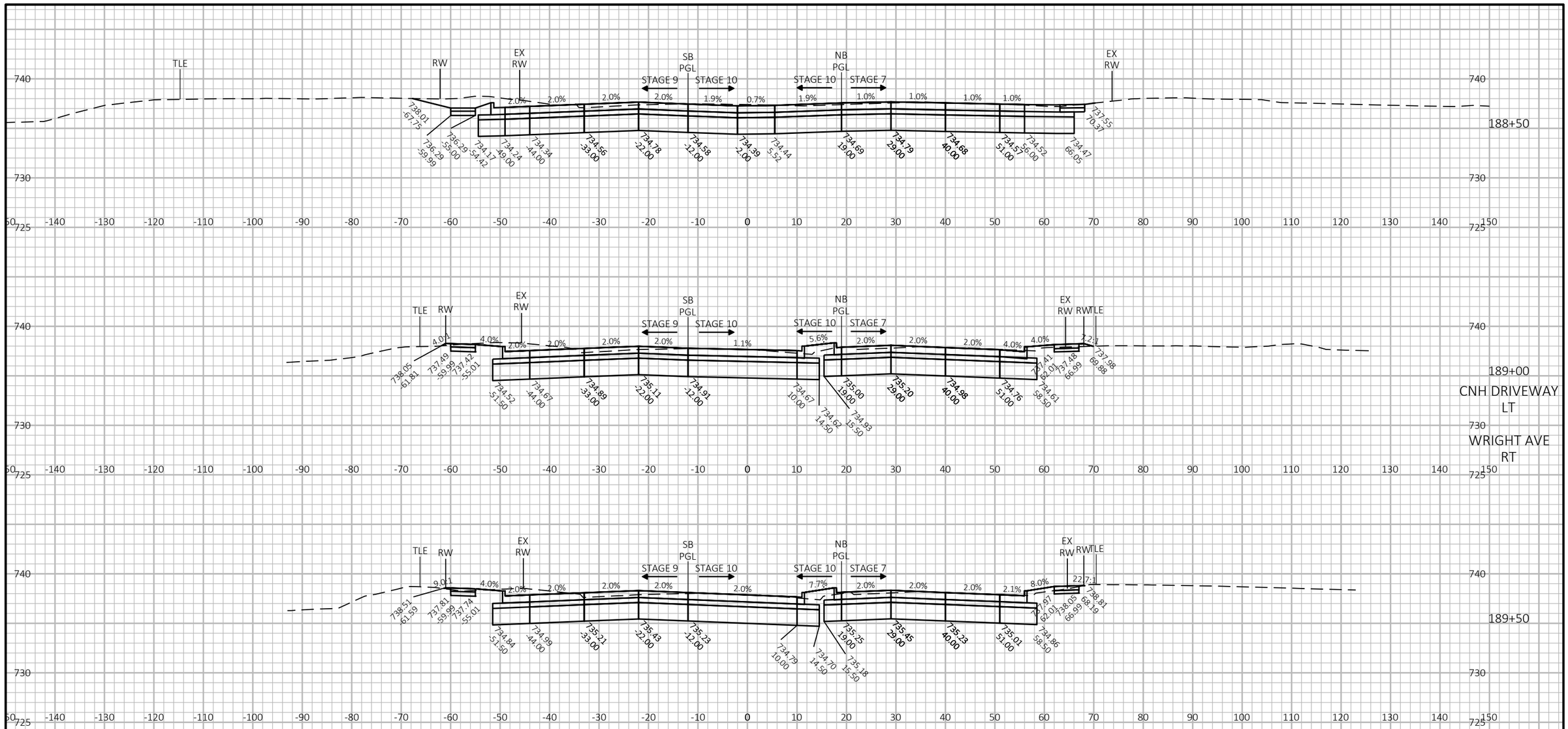
PLOT DATE : 7/15/2025 1:05 PM

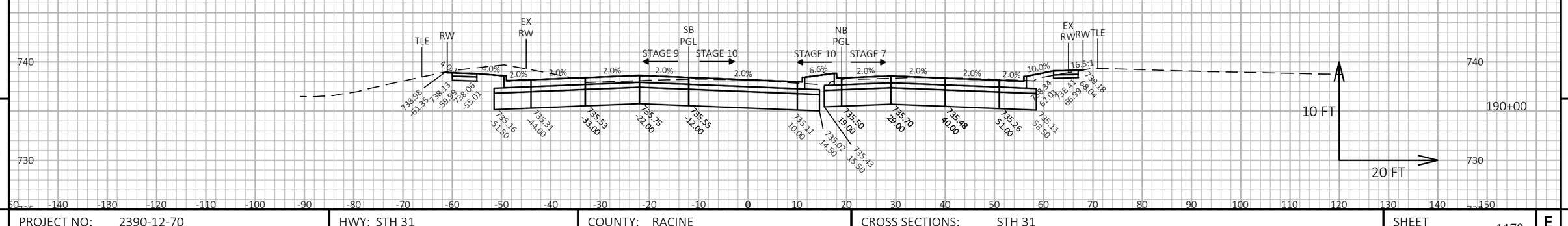
PLOT BY : KATIE NAKLES

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1170	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 62

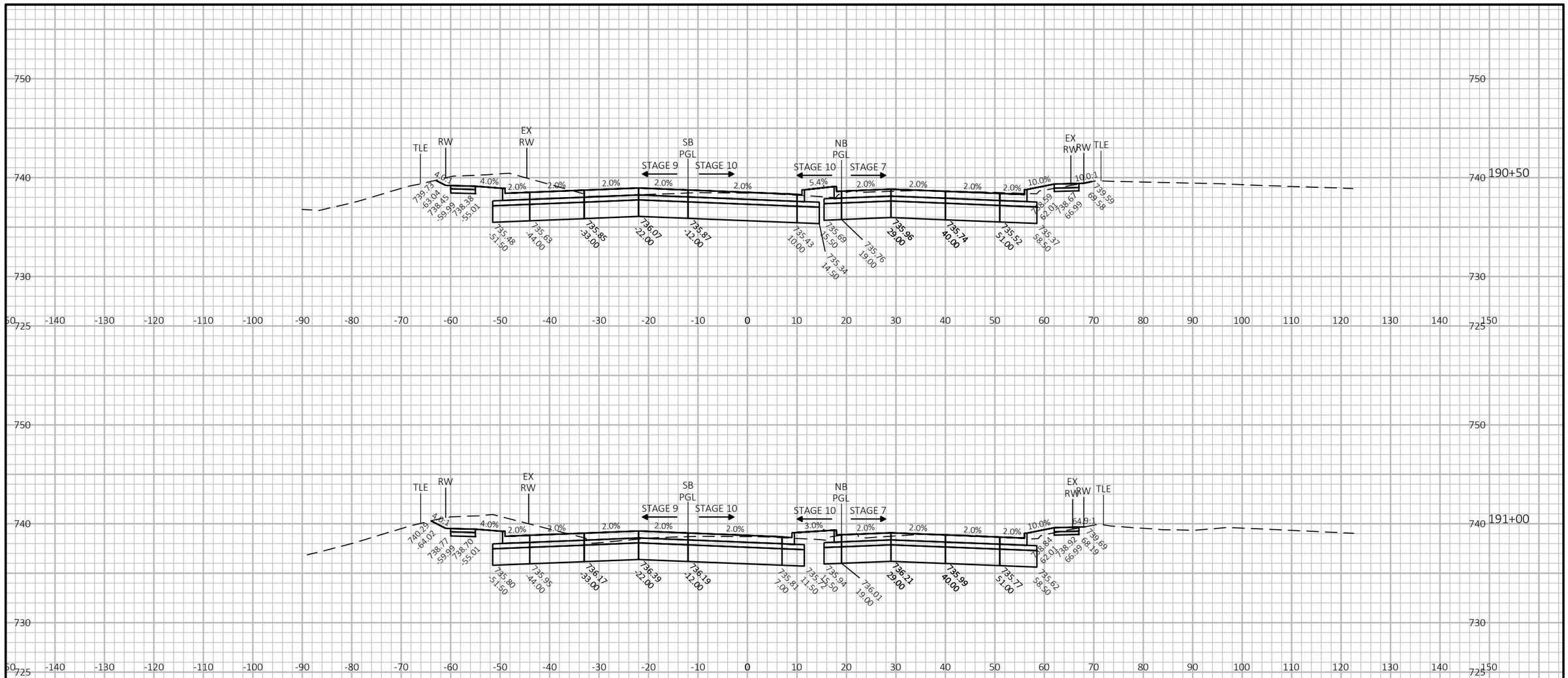
PLOT DATE : 7/15/2025 1:05 PM

PLOT BY : KATIE NAKLES

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



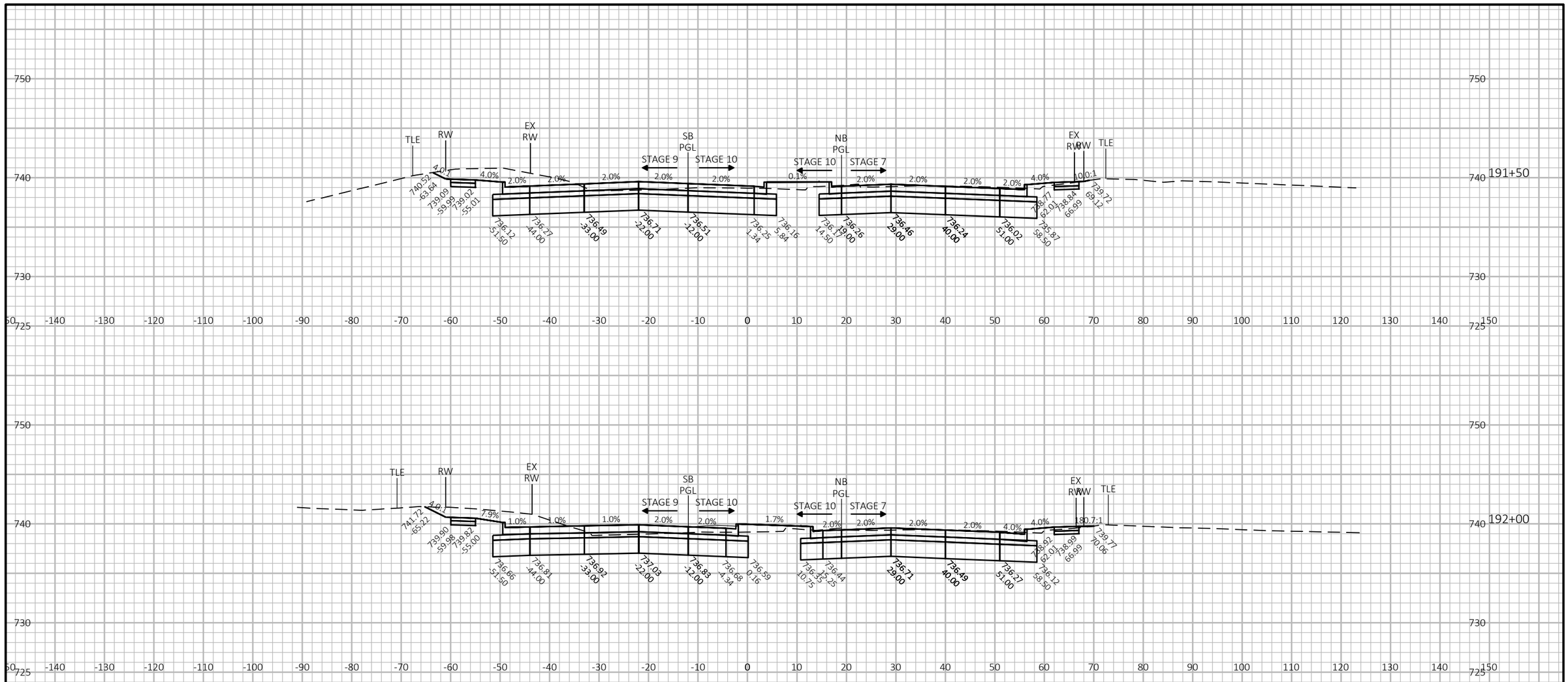
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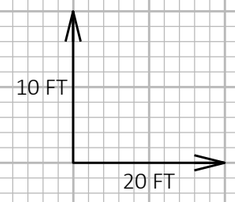
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1171	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 63

PLOT DATE : 7/15/2025 1:05 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.





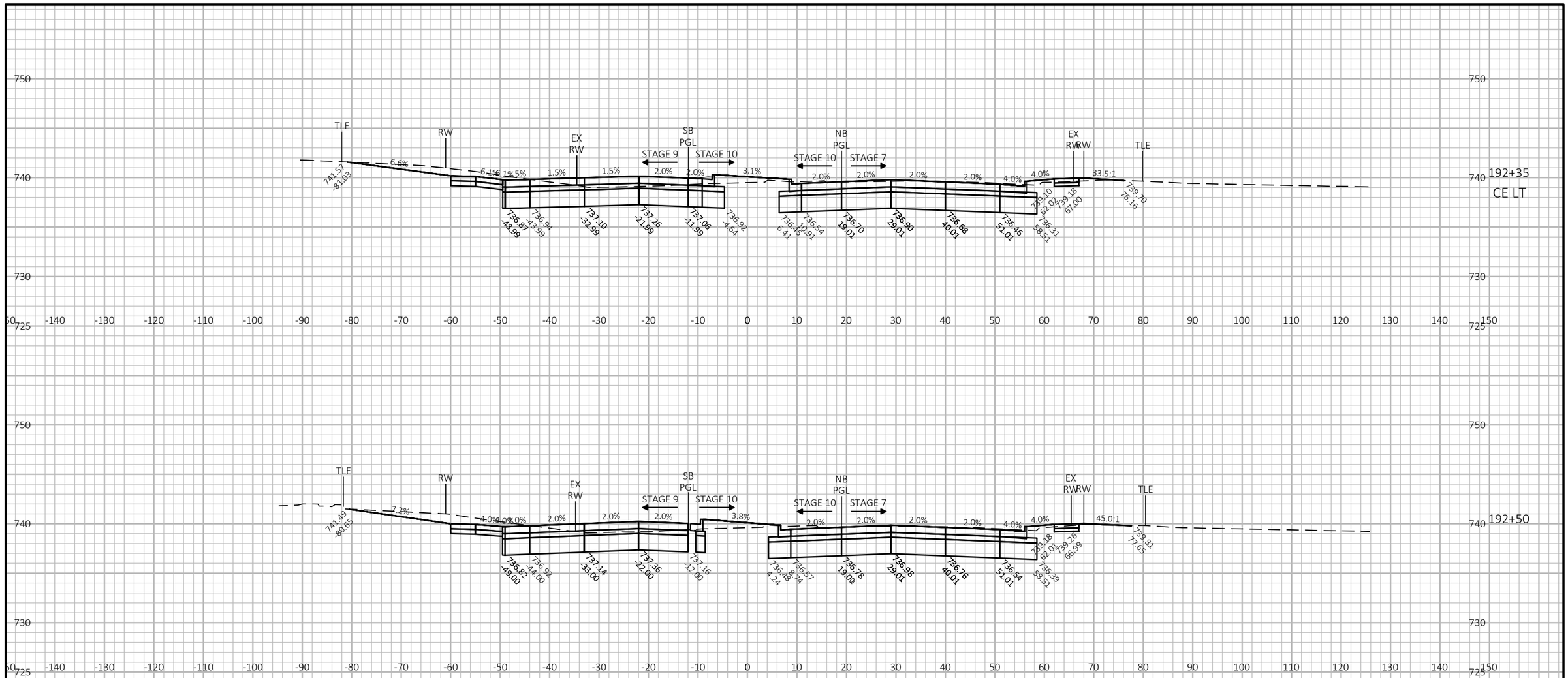
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1172	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 64

PLOT DATE : 7/15/2025 1:06 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



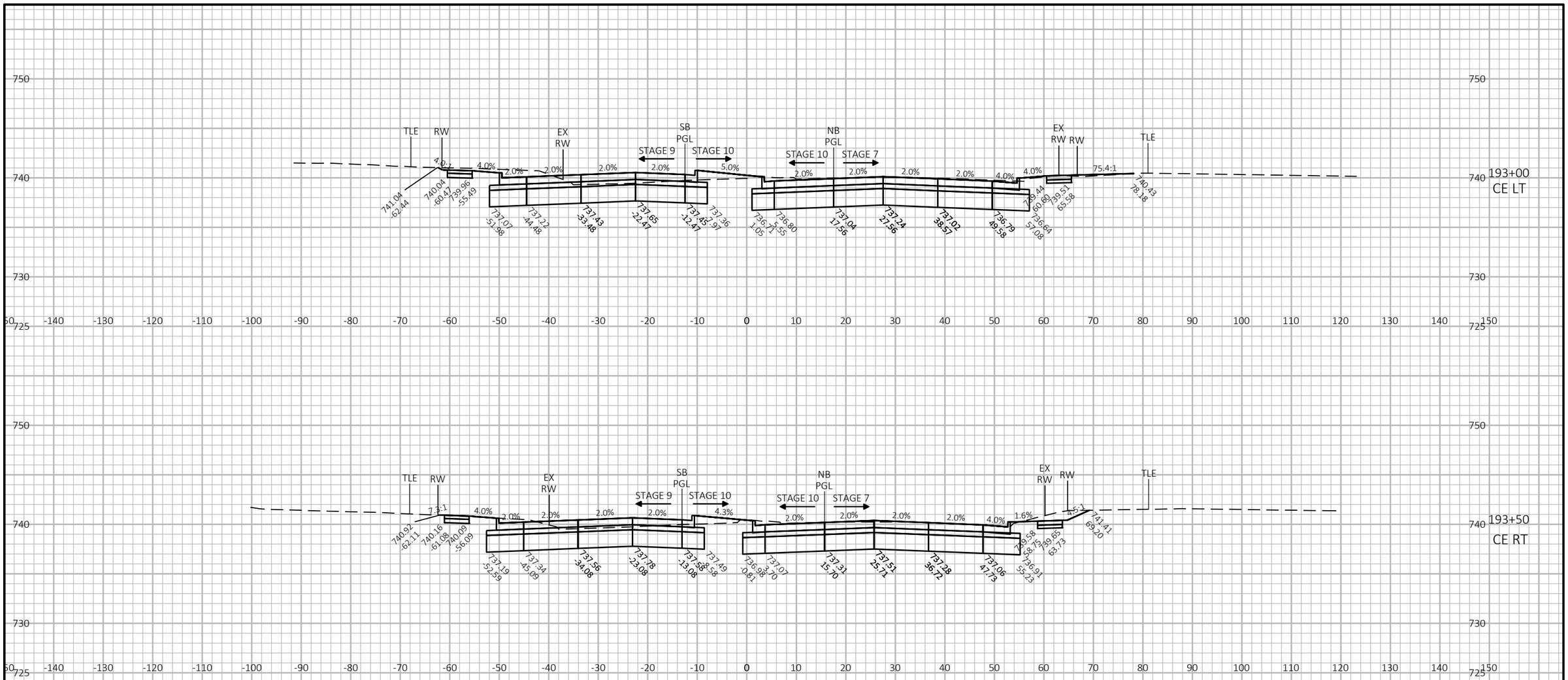
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1173	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 65

PLOT DATE : 7/15/2025 1:06 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

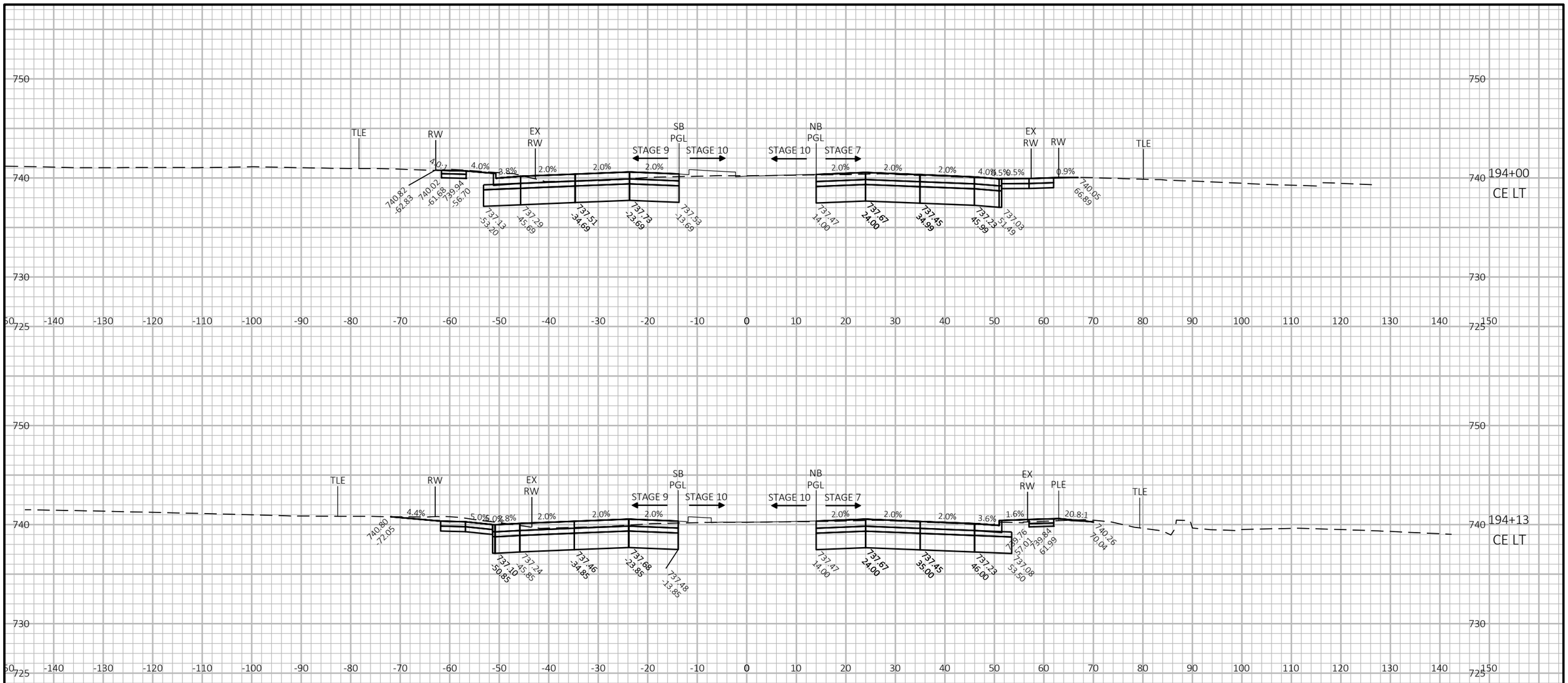


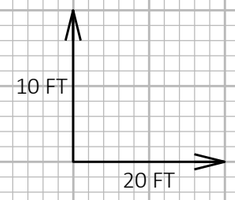
PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1174	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 66

PLOT DATE : 7/15/2025 1:06 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

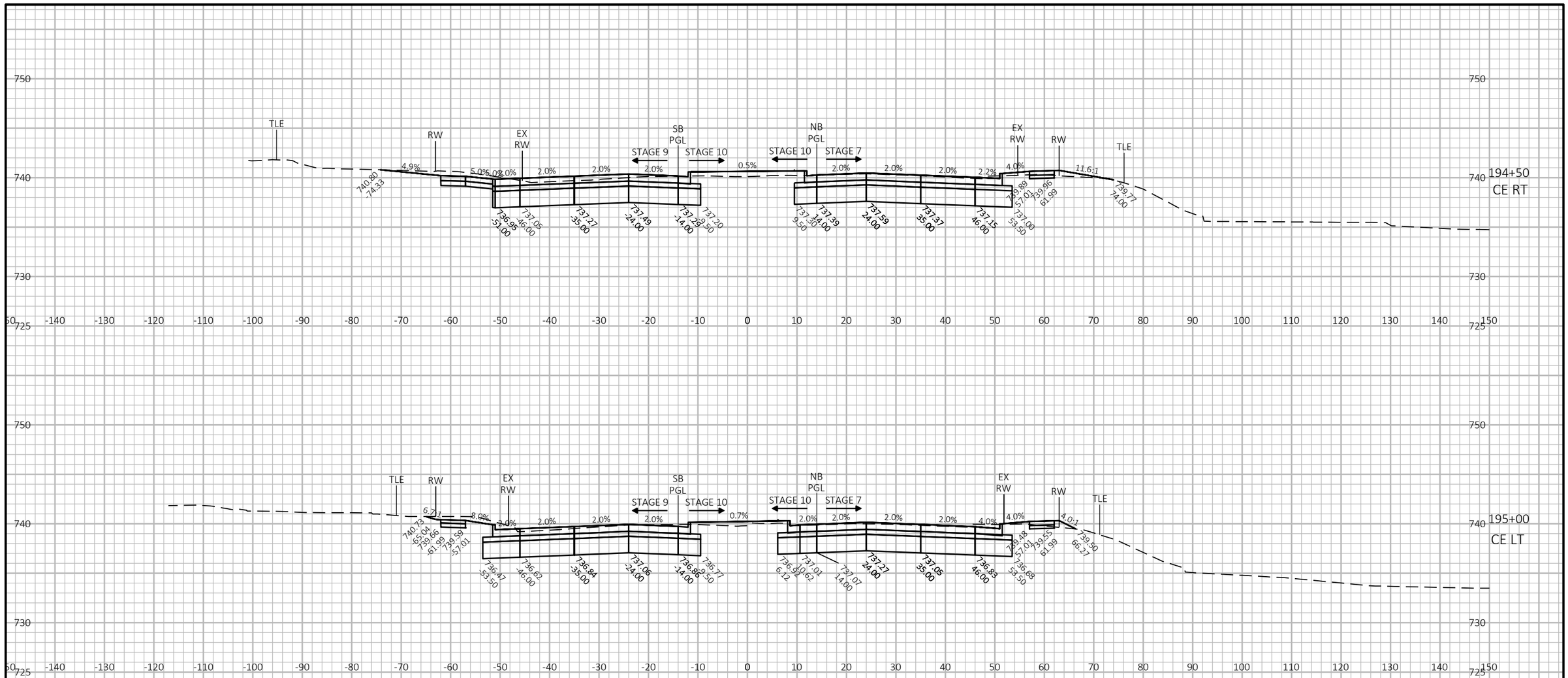
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1175	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 67

PLOT DATE : 7/15/2025 1:06 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



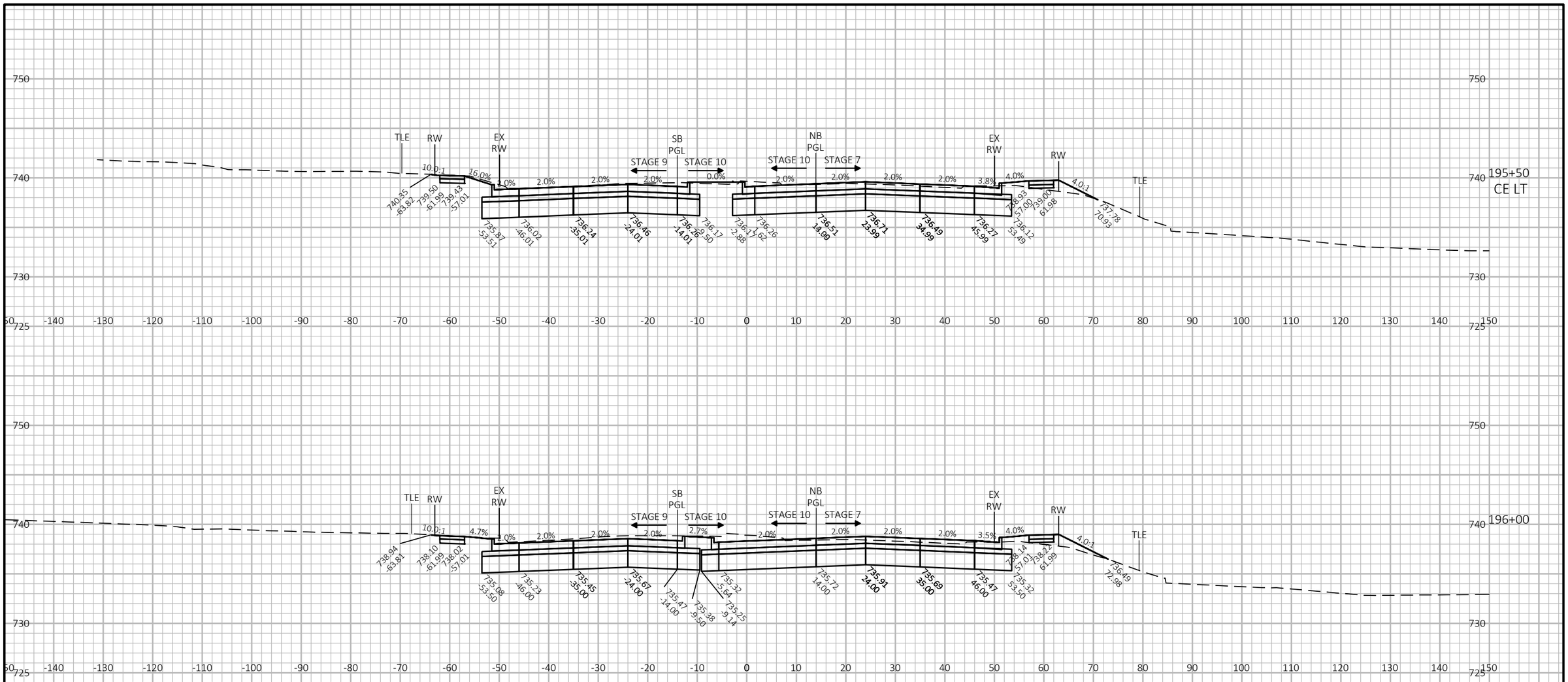
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1176	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 68

PLOT DATE : 7/15/2025 1:07 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



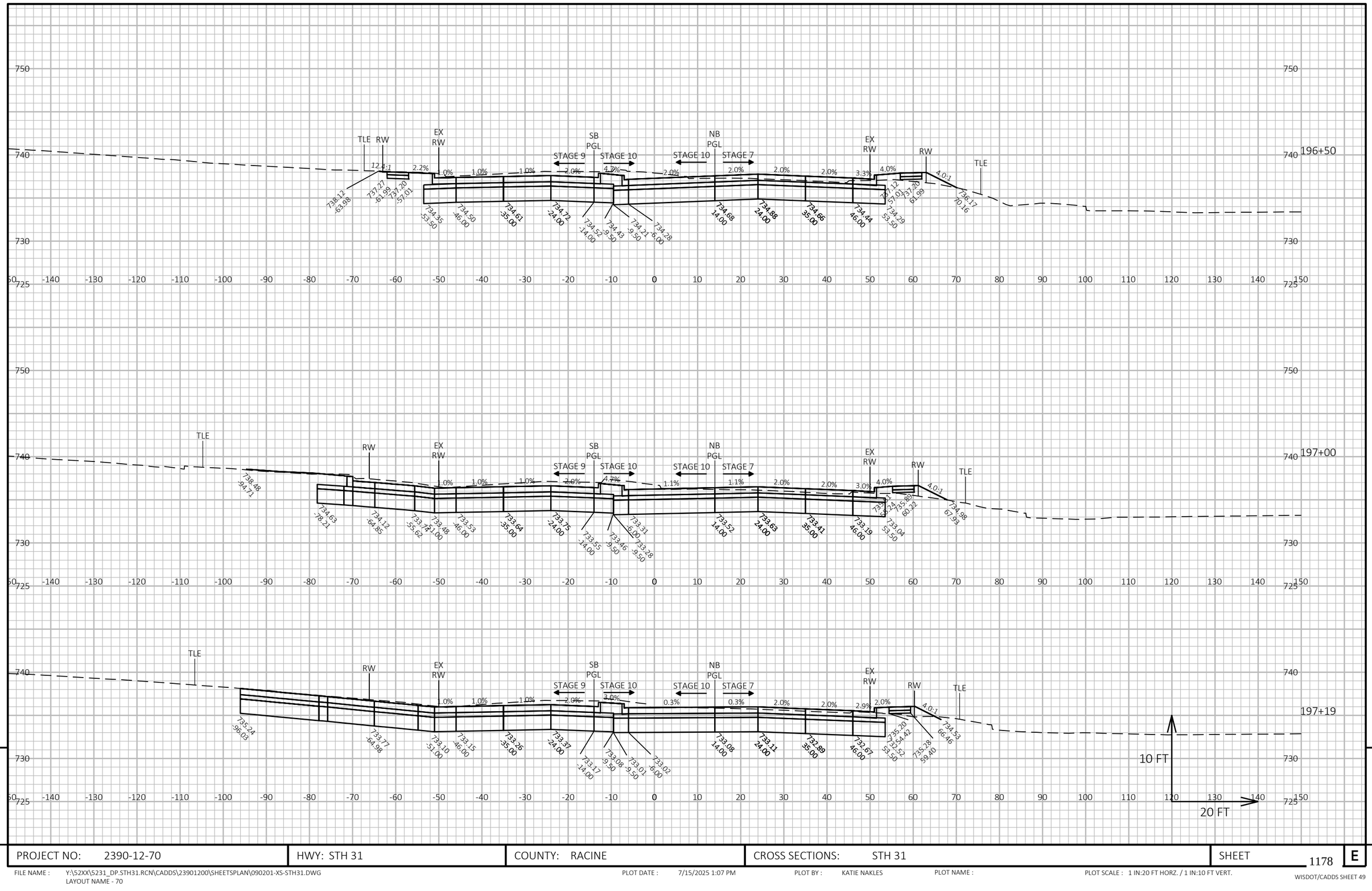
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1177	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 69

PLOT DATE : 7/15/2025 1:07 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

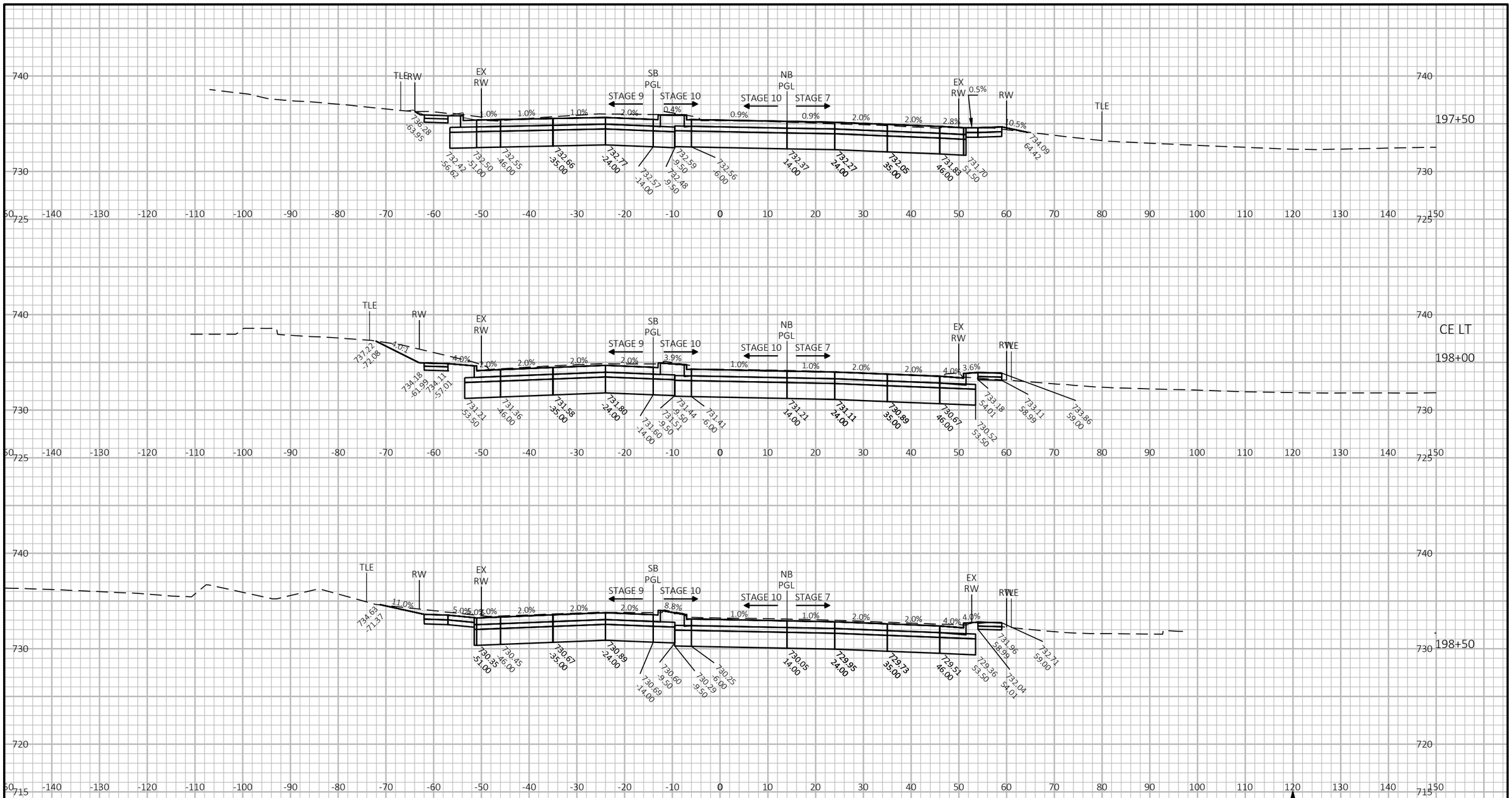


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1178 E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 70

PLOT DATE : 7/15/2025 1:07 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

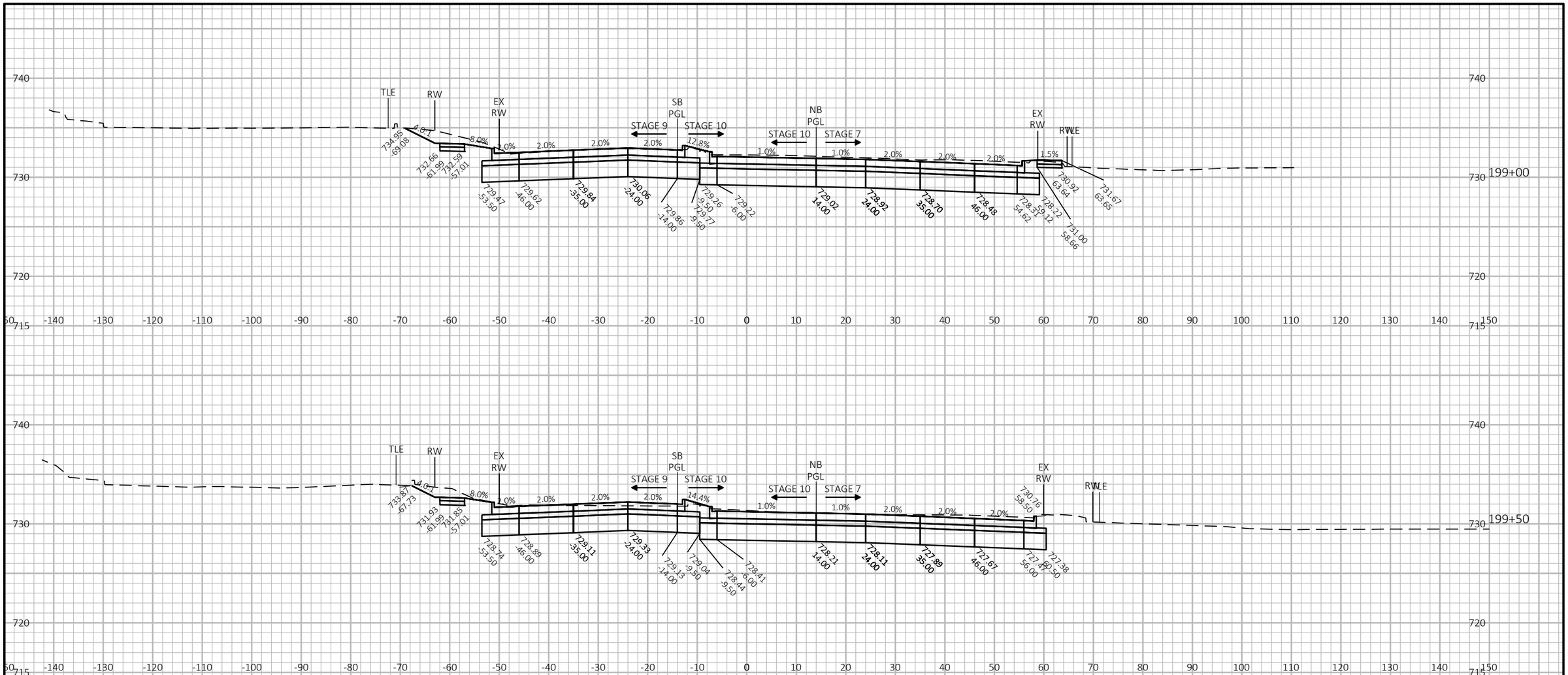
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PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1179	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 71

PLOT DATE : 7/15/2025 1:08 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

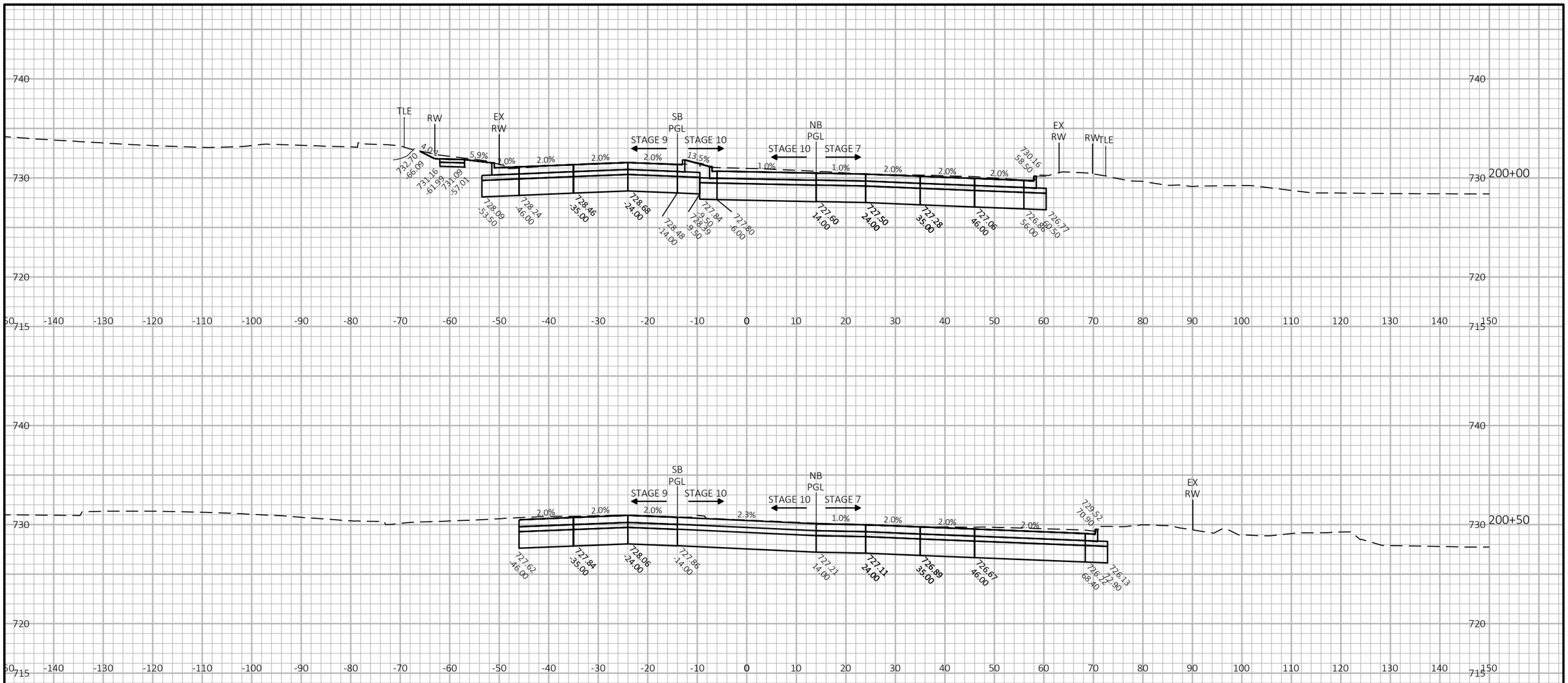


PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1180	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 72

PLOT DATE : 7/15/2025 1:08 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2390-12-70	HWY: STH 31	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET 1181	E

FILE NAME : Y:\52XX\5231_DP.STH31.RCN\CADDS\23901200\SHEETSPLAN\090201-XS-STH31.DWG
LAYOUT NAME - 73

PLOT DATE : 7/15/2025 1:08 PM PLOT BY : KATIE NAKLES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

Wisconsin Department of Transportation

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