WKE

APRIL 2026

PROJECT ID: 2390-09-73

WITH: N/A

COUNTY: RACINE

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 = 354

N

15

DESIGN DESIGNATION

A.A.D.T.	2026	=	14,500
A.A.D.T.	2046	=	16,700
D.H.V.		=	7,800
D.D.		=	0.5
T.		=	12%
DESIGN SPEED		=	40 MPH
ESALS		=	3,165,864

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' ERF)
- 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

MOUNT PLEASANT - RACINE

NORTH OHIO STREET TO FAIRWAY DRIVE

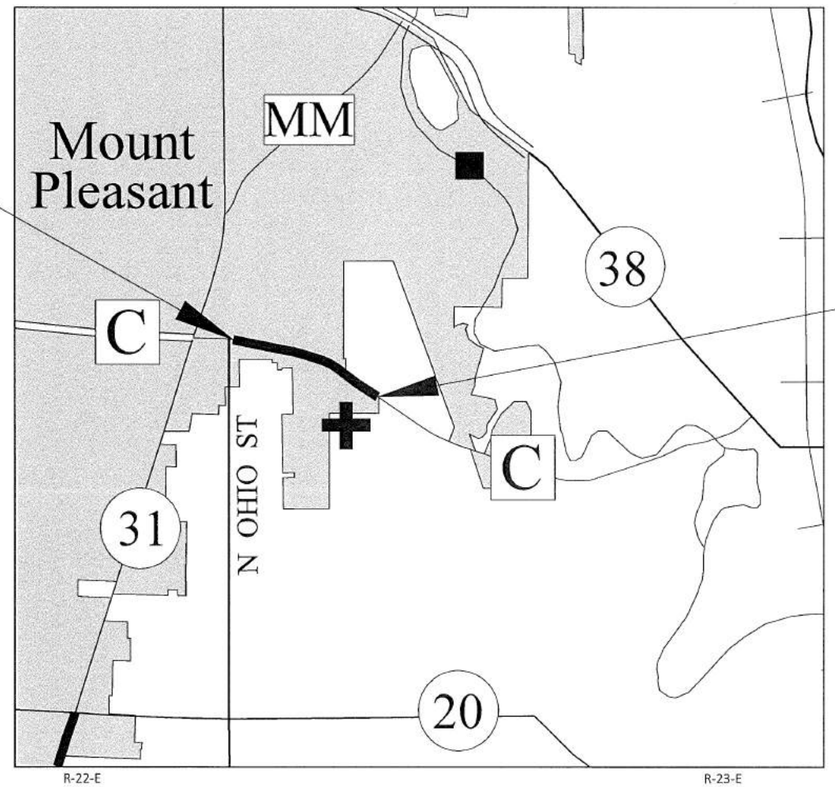
CTH C

RACINE COUNTY

STATE PROJECT NUMBER
2390-09-73

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2390-09-73	WISC 2026279	1

BEGIN PROJECT
STA 11+84.31
Y=189,534.64
X=625,709.04



END PROJECT
STA 44+23.68
Y=188,309.13
X=628,646.07

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 0.587 MILES

HORIZONTAL AND VERTICAL DATUM SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), RACINE COUNTY NAD83 (2011), 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 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

APPROVED FOR RACINE COUNTY DEPARTMENT OF PUBLIC WORKS

DATE: 11/26/25 DIRECTOR

DATE: 11/24/2025 ENGINEERING SERVICES MANAGER

emcs

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

WISCONSIN PROFESSIONAL ENGINEER
KATIE L. NAKLES
E-43985-6
MILWAUKEE
WI

12/1/2025 (Date) Katie L Nakles (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	EMCS, INC.
Designer	EMCS, INC.
Project Manager	MICHAEL BAIRD
Regional Examiner	
Regional Supervisor	AMY TAETSCH

APPROVED FOR THE DEPARTMENT

DATE: 12/1/2025 Michael J Baird (Signature)

E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 11/18/2025 3:29 PM

PLOT BY : JARED BROWN

PLOT NAME :

2

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

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

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

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

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

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

PLACE INLET PROTECTION AT ALL INLET LOCATIONS ACCEPTING STORM WATER FROM THE PROJECT AREA OR AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

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.

PIPE AND INLET ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

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.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN PAVING OR PIPE LAYING OPERATIONS REQUIRE THE DRIVEWAY TO BE CLOSED. ACCESS TO DRIVEWAYS SHALL BE RE-ESTABLISHED IMMEDIATELY AFTER OPERATIONS ARE COMPLETED. ACCESS SHALL BE PROVIDED DURING ALL NON-WORKING HOURS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

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

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION.

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

UTILITY CONTACTS

COMMUNICATIONS

AT&T WISCONSIN
MICHAEL VANBOVEN
411 7TH ST
RACINE, WI 53403
PHONE: (262) 676-3958
EMAIL: MV3658@ATT.COM

SPECTRUM
DAVE YOPPS
1320 N DR. MARTIN LUTHER KING DR
MILWAUKEE, WI 53212
PHONE: (414) 277-4281
EMAIL: CHTR_WI_CONST@CHARTER.COM

ELECTRICITY

WE ENERGIES
UTILITY COORDINATOR
500 S 116TH ST
WEST ALLIS, WI 53214
PHONE: (414) 944-5738
EMAIL: WI-UTILITY-RELOCATIONS
@WE-ENERGIES.COM

GAS

WE ENERGIES
UTILITY COORDINATOR
500 S 116TH ST
WEST ALLIS, WI 53214
PHONE: (414) 944-5738
EMAIL: WI-UTILITY-RELOCATIONS
@WE-ENERGIES.COM

WATER & SEWER

RACINE WATER & WASTEWATER
CHAD REGALIA
800 CENTER ST
RACINE, WI 53403
PHONE: (262) 320-3070
EMAIL: CHAD.REGALIA@CITYOFRACINE.ORG

CITY OF RACINE - STORM WATER
JOHN ROONEY
730 WASHINGTON AVE, RM 304
RACINE, WI 53403
PHONE: (262) 636-9166
EMAIL: JOHN.ROONEY@CITYOFRACINE.ORG

VILLAGE OF MOUNT PLEASANT
TONY BEYER
8811 CAMPUS DR
MOUNT PLEASANT, WI 53406
PHONE: (262) 664-7849
EMAIL: TBEYER@MTPLEASANTWI.GOV

STATE AGENCIES

WISCONSIN DEPARTMENT OF TRANSPORTATION

MICHAEL BAIRD - PROJECT MANAGER
141 NW BARSTOW ST
WAUKESHA, WI 53188
PHONE: (262) 548-5918
MICHAEL.BAIRD@DOT.WI.GOV

KILEY SCHMITZ - REGIONAL ENVIRONMENTAL COORDINATOR
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WISCONSIN DEPARTMENT OF NATURAL RESOURCES

CRAIG WEBSTER - ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST - BUREAU OF ENVIRONMENTAL ANALYSIS & SUSTAINABILITY
141 NW BARSTOW ST
WAUKESHA, WI 53188
PHONE: (262) 574-2141
CRAIG.WEBSTER@WISCONSIN.GOV

OTHER AGENCIES

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STURTEVANT, WI 53177
(262) 886-8440
CHRISTOPHER.GALLAGHER@RACINECOUNTY.COM

CITY OF RACINE
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CITY HALL ROOM 303
730 WASHINGTON AVENUE
RACINE, WI 53403
(262) 636-9121
JOHN.ROONEY@CITYOFRACINE.ORG

VILLAGE OF MOUNT PLEASANT
ANTHONY BEYER
8811 CAMPUS DRIVE
MOUNT PLEASANT, WI 53406
(262) 664-7849
TBEYER@MTPLEASANTWI.GOV

EMCS, INC.
KATIE NAKLES
1300 W. CANAL ST. SUITE 200
MILWAUKEE, WI 53233
(414) 939-7022
KNAKLES@EMCSINC.COM

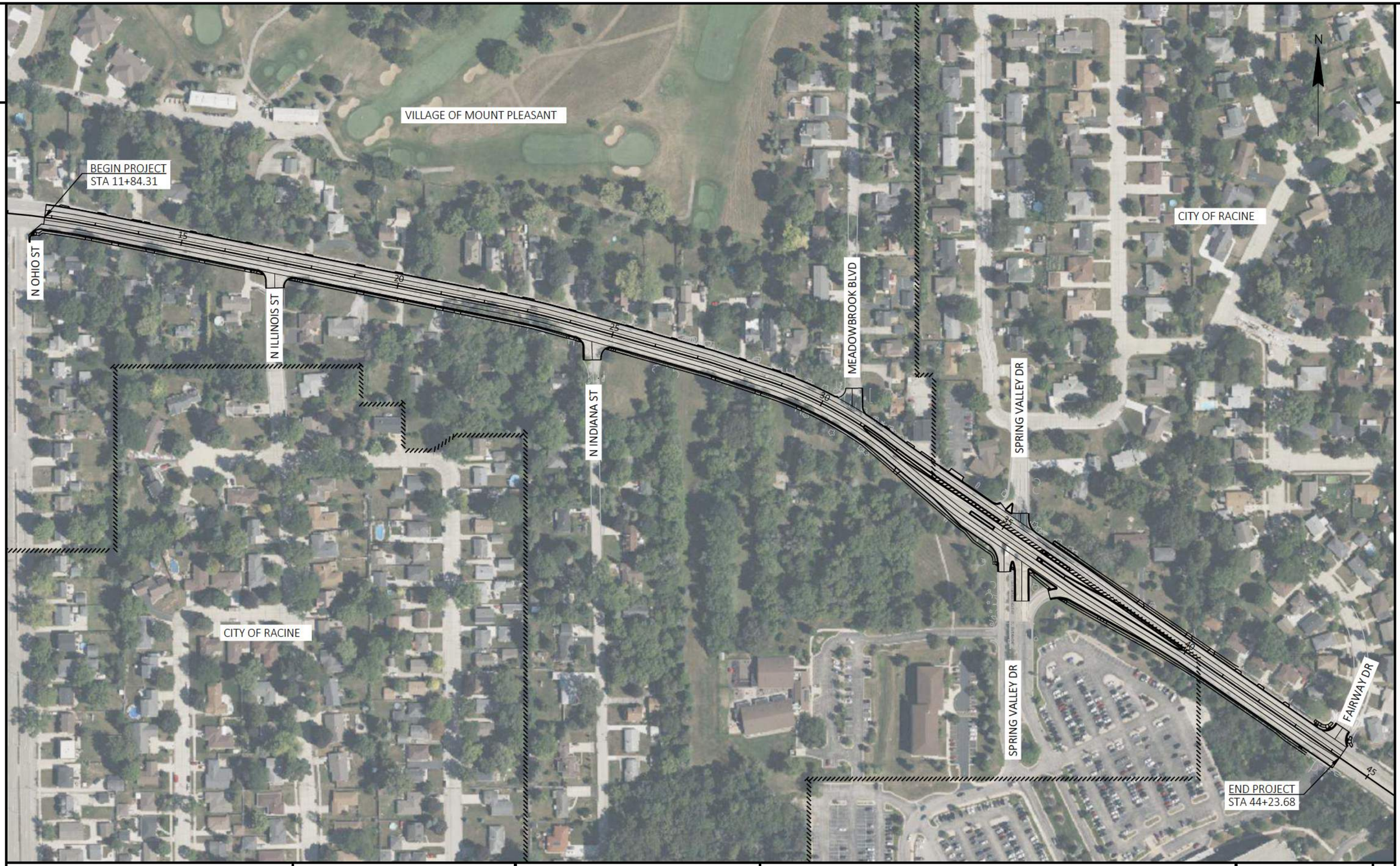
BATTEN INTERNATIONAL AIRPORT
DAVID MANN
3239 NORTH GREEN BAY RD
RACINE, WI 53404
(262) 631-5620

SOUTHEASTERN REGIONAL PLANNING COMMISION
ROB MERRY
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
OFFICE: (262) 963-4289
CELL: (920) 912-1036
RMERRY@SEWRPC.ORG

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
EXISTING SIGNING
PROPOSED SIGNING
TRAFFIC SIGNAL REMOVALS
TEMPORARY TRAFFIC SIGNALS
TRAFFIC SIGNAL PLANS
PAVEMENT MARKING
ALIGNMENT DETAILS
SURVEY CONTROL

2



2

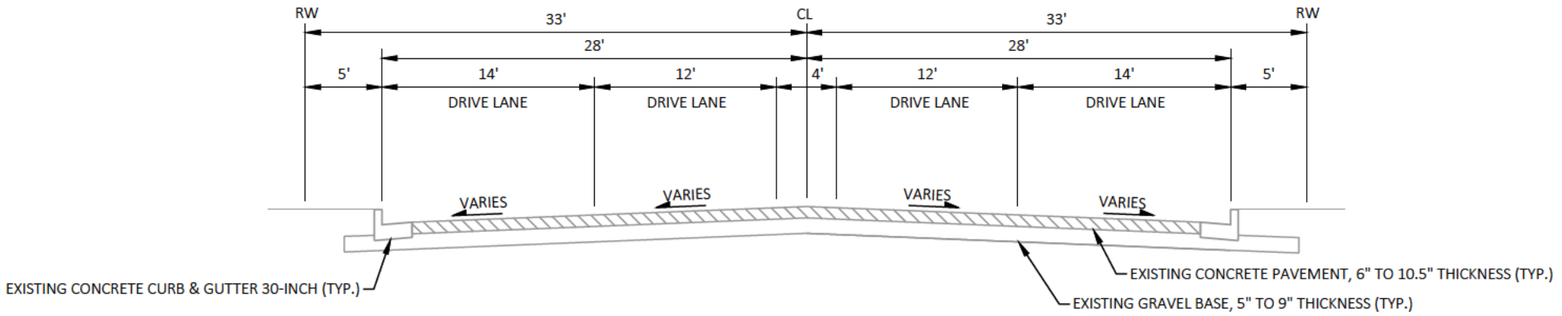
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\020201-PO DWG
LAYOUT NAME - 01

PLOT DATE : 11/24/2025 12:20 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

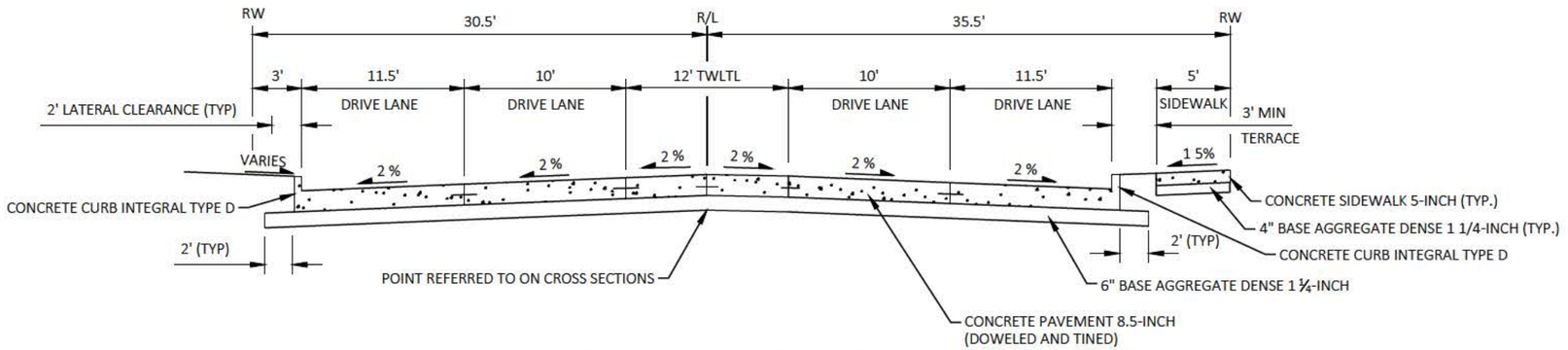


CTH C EXISTING TYPICAL SECTION

STA 12+25 - 43+25

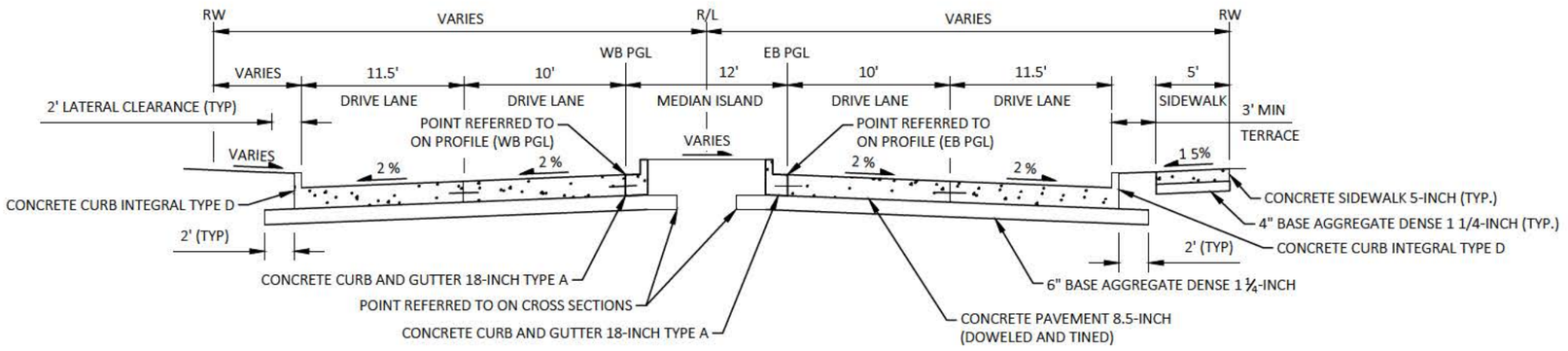
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TYPICAL SECTIONS - EXISTING	SHEET 4	E

2



CTH C PROPOSED TYPICAL SECTION

STA 11+84 - 31+07



CTH C PROPOSED TYPICAL SECTION

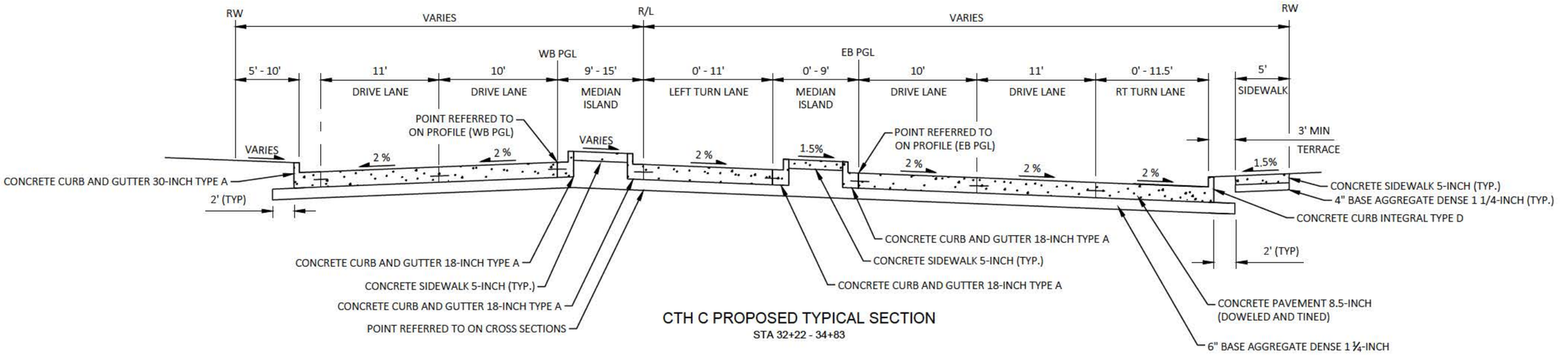
STA 31+07 - 33+00

NOTES:

EBS UP TO 1' WILL BE NEEDED FOR APPROXIMATELY 40% OF THE PROJECT AREA BELOW THE BASE AGGREGATE DENSE.

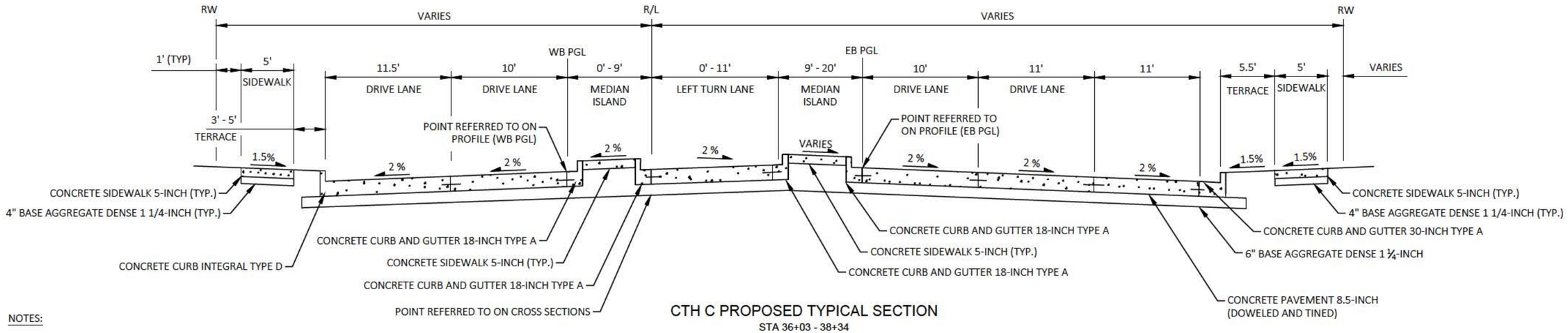
SOD LAWN TO BE PLACED IN TERRACE BETWEEN CURB AND SIDEWALK

TOPSOIL, FERTILIZER, SEED, AND EROSION MAT TO BE PLACED IN MEDIANS, DISTURBED AREAS BEHIND SIDEWALK, AND DISTURBED AREAS ADJACENT TO CURB WHERE NO SIDEWALK IS PROPOSED



CTH C PROPOSED TYPICAL SECTION

STA 32+22 - 34+83



CTH C PROPOSED TYPICAL SECTION

STA 36+03 - 38+34

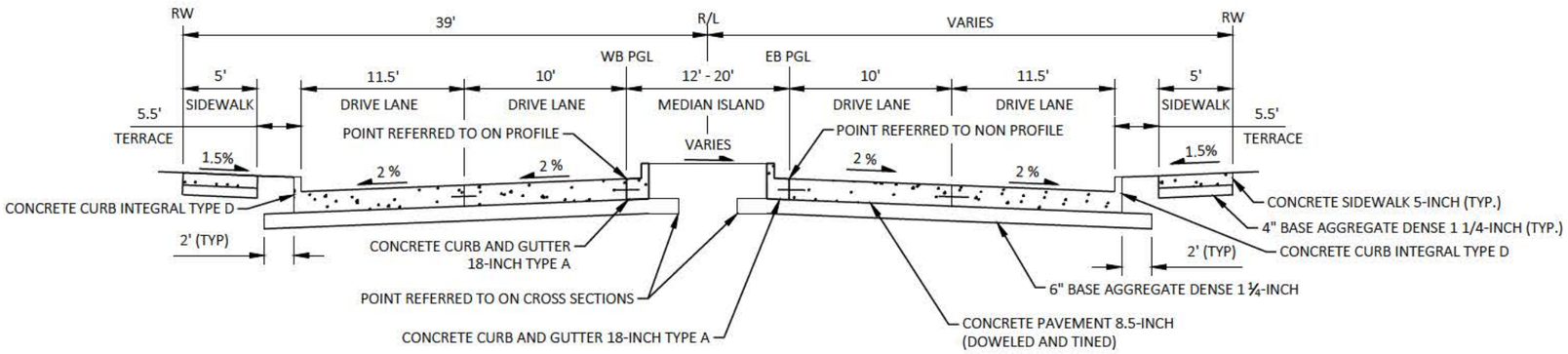
NOTES:

EBS UP TO 1' WILL BE NEEDED FOR APPROXIMATELY 40% OF THE PROJECT AREA BELOW THE BASE AGGREGATE DENSE.

SOD LAWN TO BE PLACED IN TERRACE BETWEEN CURB AND SIDEWALK

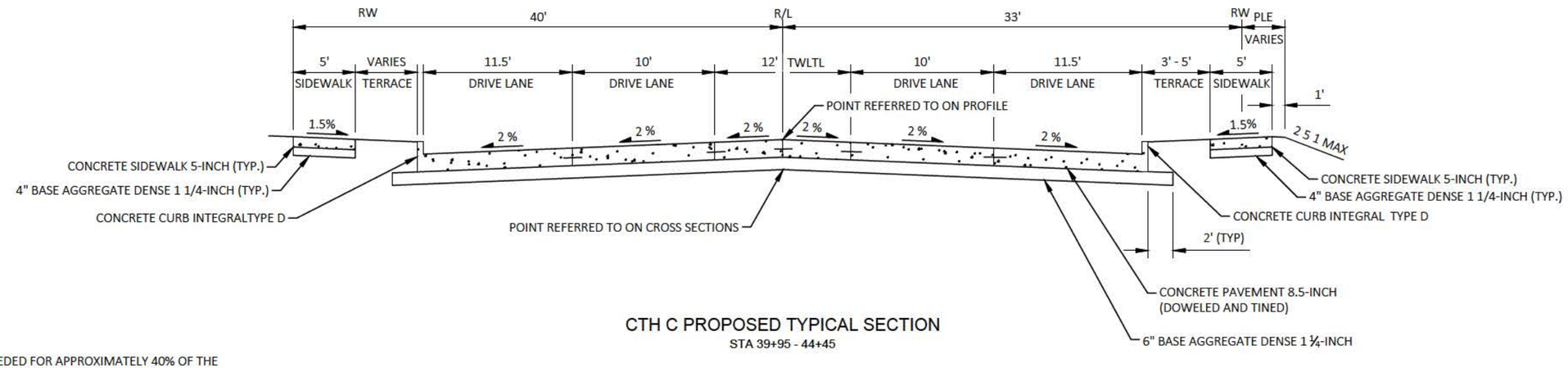
TOPSOIL, FERTILIZER, SEED, AND EROSION MAT TO BE PLACED IN MEDIANS, DISTURBED AREAS BEHIND SIDEWALK, AND DISTURBED AREAS ADJACENT TO CURB WHERE NO SIDEWALK IS PROPOSED

2



CTH C PROPOSED TYPICAL SECTION

STA 38+34 - 39+95



CTH C PROPOSED TYPICAL SECTION

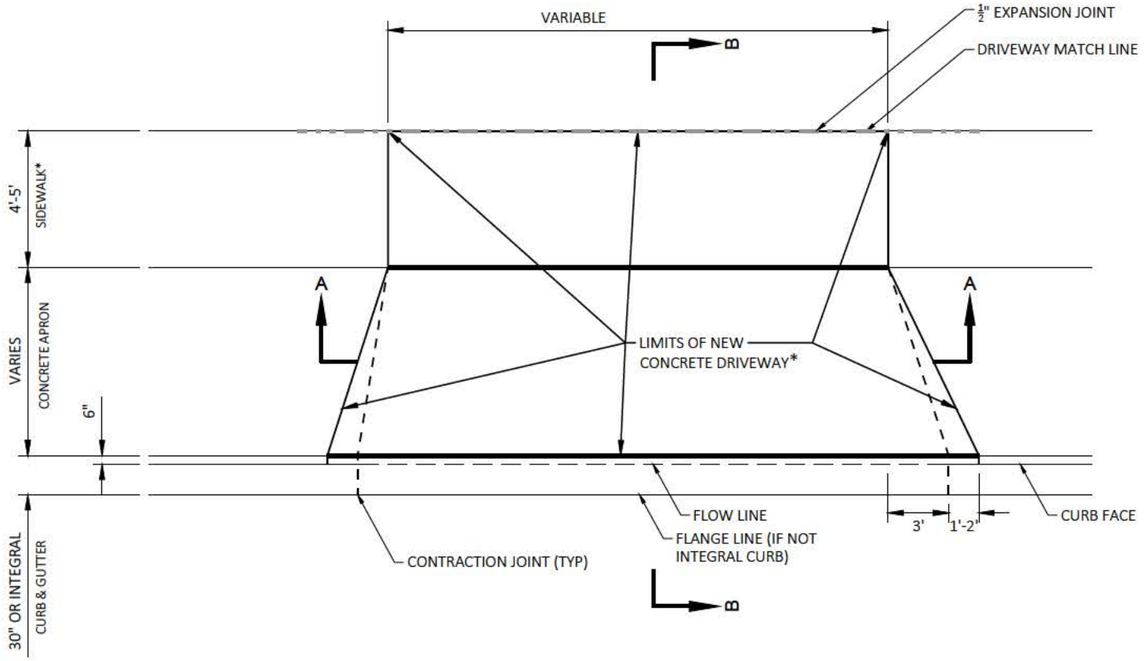
STA 39+95 - 44+45

NOTES:

EBS UP TO 1' WILL BE NEEDED FOR APPROXIMATELY 40% OF THE PROJECT AREA BELOW THE BASE AGGREGATE DENSE.

SOD LAWN TO BE PLACED IN TERRACE BETWEEN CURB AND SIDEWALK

TOPSOIL, FERTILIZER, SEED, AND EROSION MAT TO BE PLACED IN MEDIANS, DISTURBED AREAS BEHIND SIDEWALK, AND DISTURBED AREAS ADJACENT TO CURB WHERE NO SIDEWALK IS PROPOSED

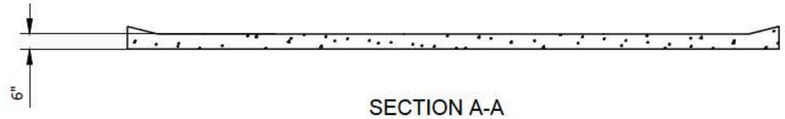


HEAVY LINE INDICATES
1/2" EXPANSION JOINT MATERIAL

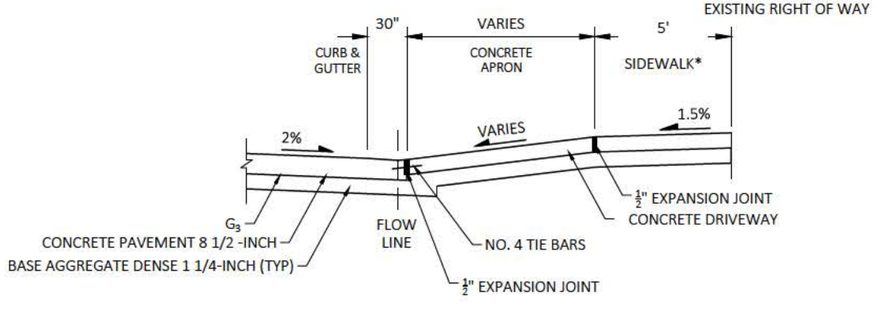
PLACE DUMMY JOINT AT CENTER OF DRIVEWAY OVER 14 FEET IN WIDTH AND/OR AT ALL JOINTS IN THE GUTTER

CONSTRUCTION NOTES

1. CONSTRUCTION TOLERANCE OF 0.5% FOR SIDEWALK CROSS SLOPE. SLOPE SHALL NOT EXCEED 2%
2. 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.
3. SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY, FOR THICKNESS AS THE PLAN SHOWS.
4. CONCRETE APRON MEASURED AND PAID FOR AS CONCRETE DRIVEWAY, THICKNESS AS THE PLAN SHOWS.
5. *SIDEWALK AT SELECT LOCATIONS, SEE PLANS FOR DETAILS

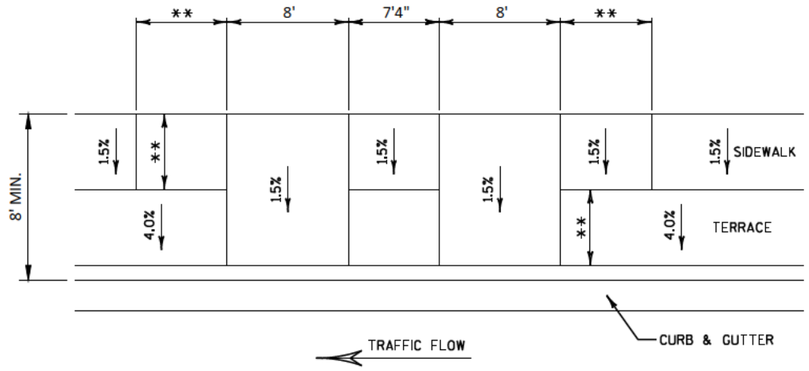


SECTION A-A



SECTION B-B

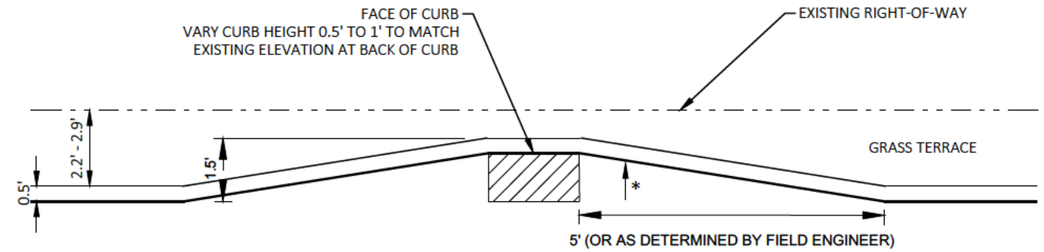
FLARED CONCRETE DRIVEWAY DETAIL



BUS STOPS

GENERAL NOTES

** DIMENSIONS NOTED PER PLAN



NOTES

1. *CONTINUE CROSS SLOPE OF OUTSIDE LANE
2. WIDENING IS INCIDENTAL TO CONCRETE CURB AND GUTTER ITEMS

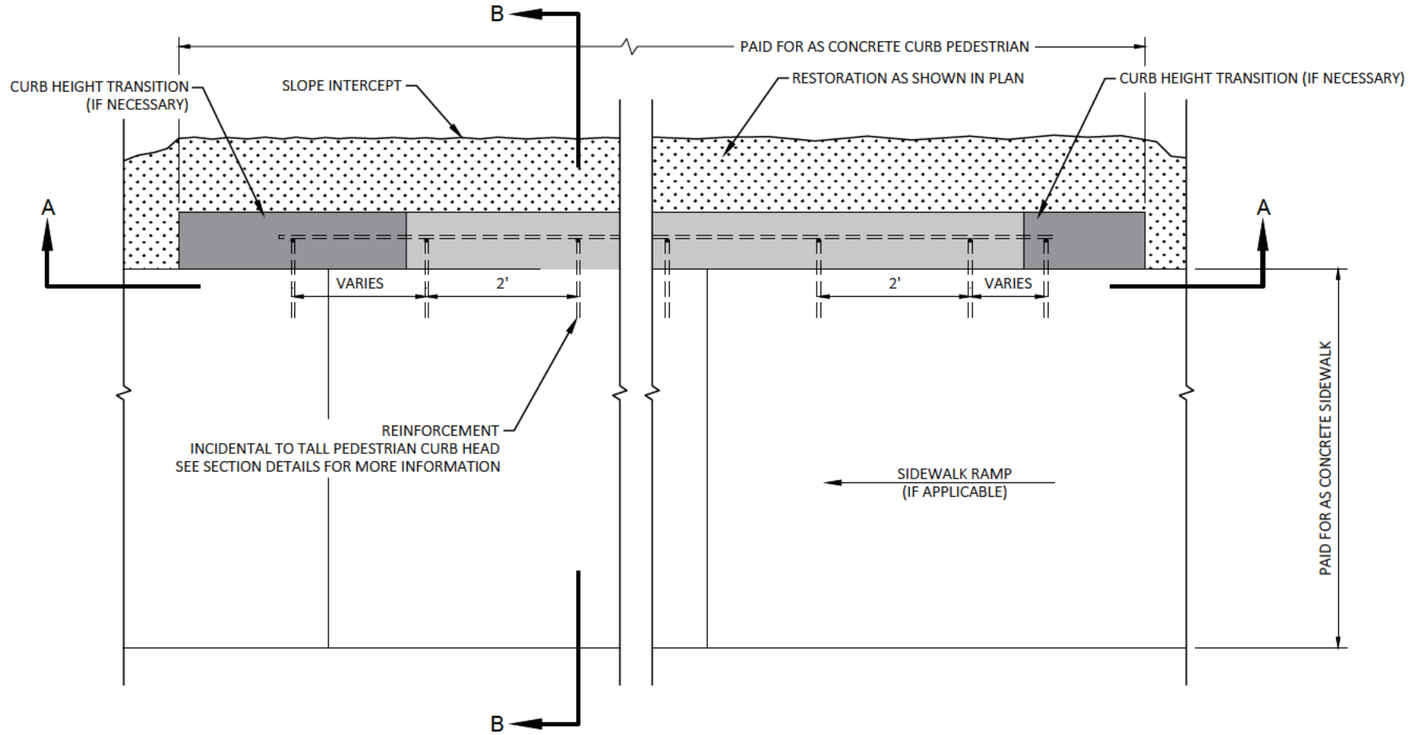
CURB TRANSITION AT STORM SEWER INLETS

FOR USE AT INLETS LOCATED FROM STATION 23+79 LT TO 28+34 LT

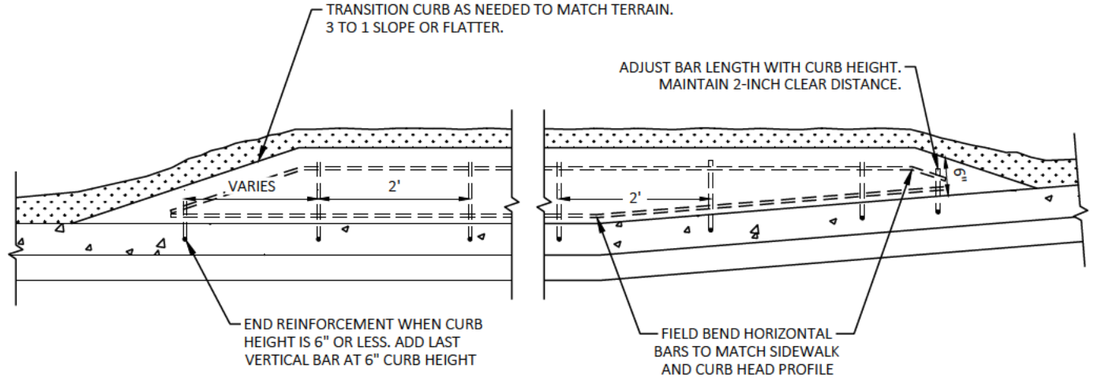
2

CONSTRUCTION NOTES

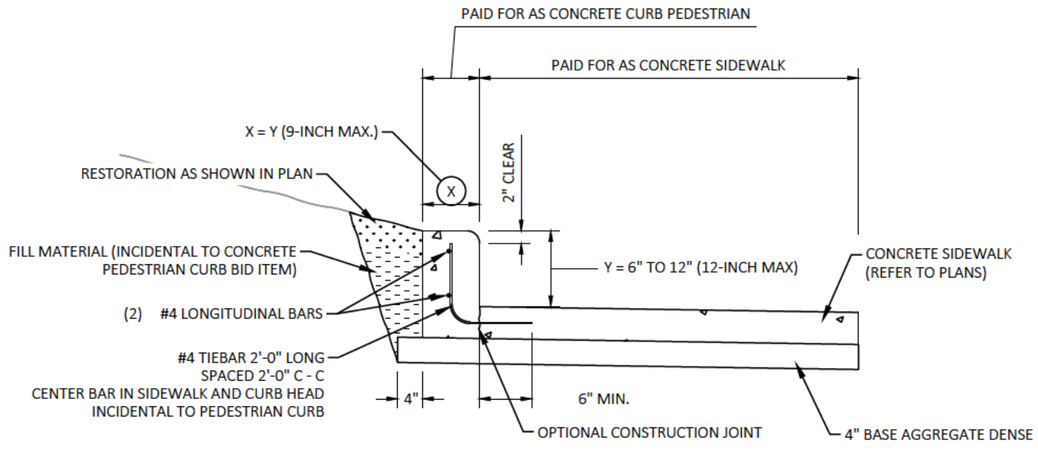
1. CONSTRUCTION FOR TALL PEDESTRIAN CURB SHALL CONFORM TO STANDARD SPEC 601.
2. PEDESTRIAN CURB IS INTENDED TO BE FORMED AND POURED INTEGRAL WITH ADJACENT SIDEWALK. NO ADDITIONAL PAYMENT WILL BE MADE FOR DRILLING TIEBARS IF CONTRACTOR CHOOSES TO POUR CURB AND SIDEWALK SEPARATELY.



PLAN VIEW



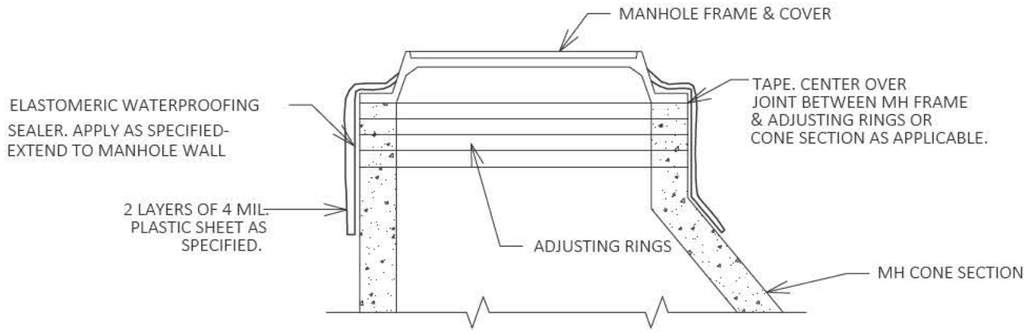
SECTION A - A



SECTION B - B

TALL PEDESTRIAN CURB DETAIL

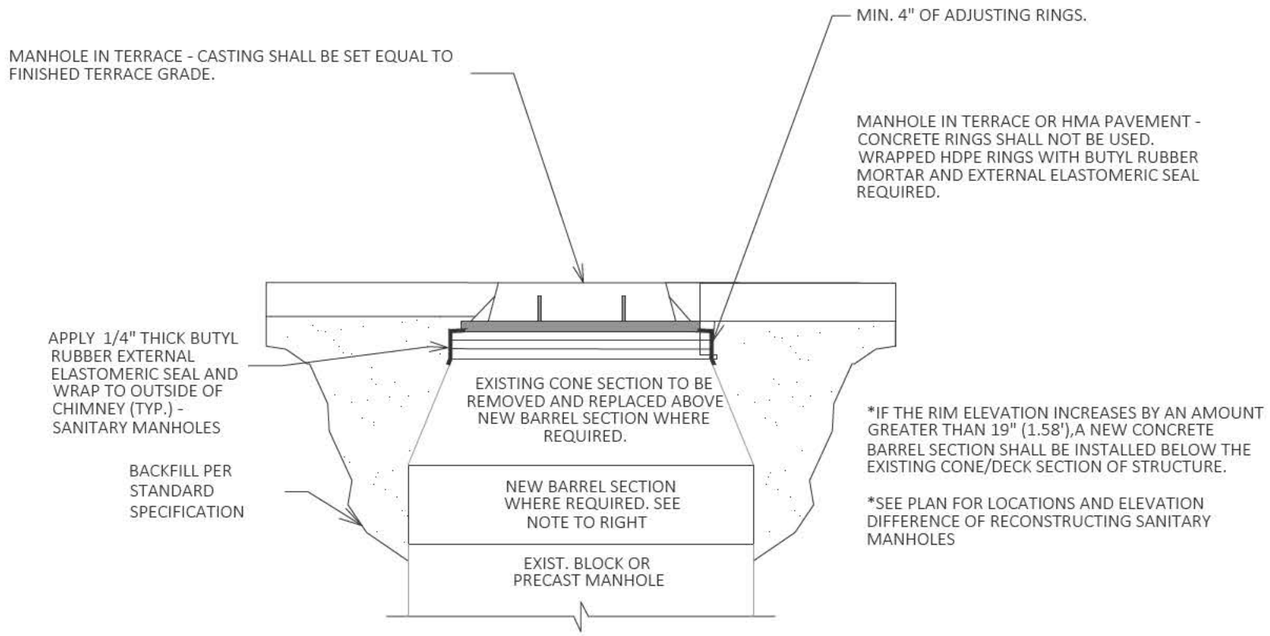
FOR PEDESTRIAN CURB GREATER THAN 6-INCHES IN HEIGHT. REFER TO PLAN DETAILS FOR LOCATION AND CURB RAMP DETAILS FOR CURB HEIGHT.



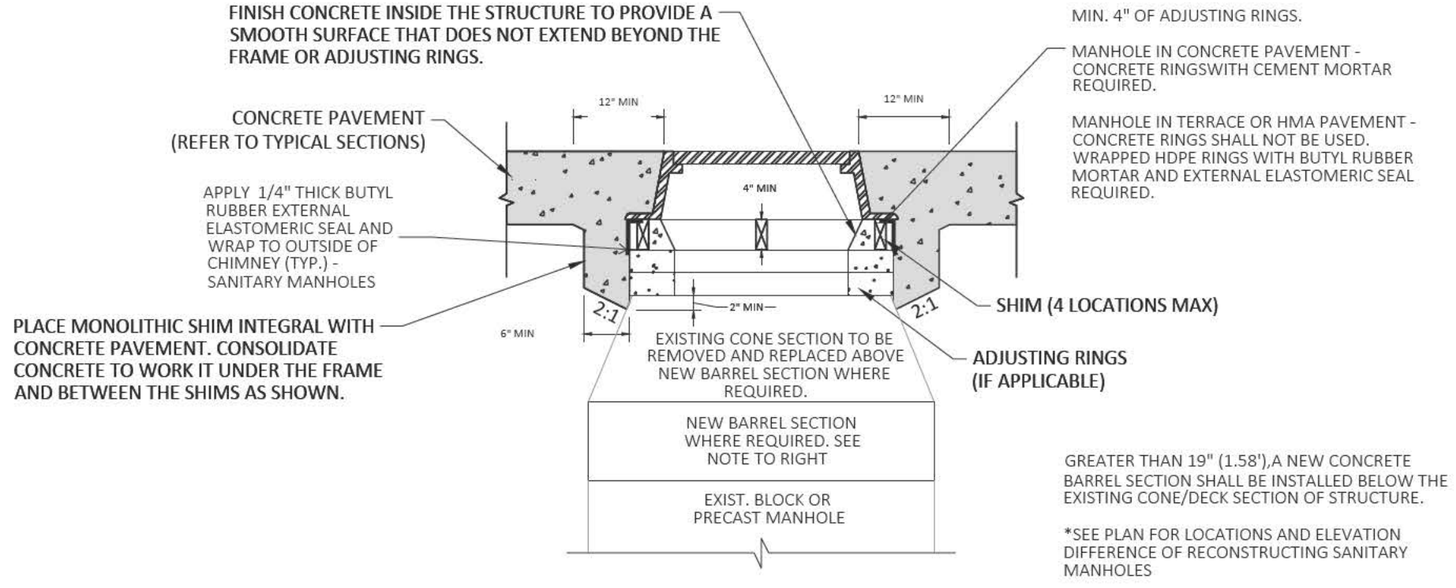
INSTALLATION PROCEDURE:

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

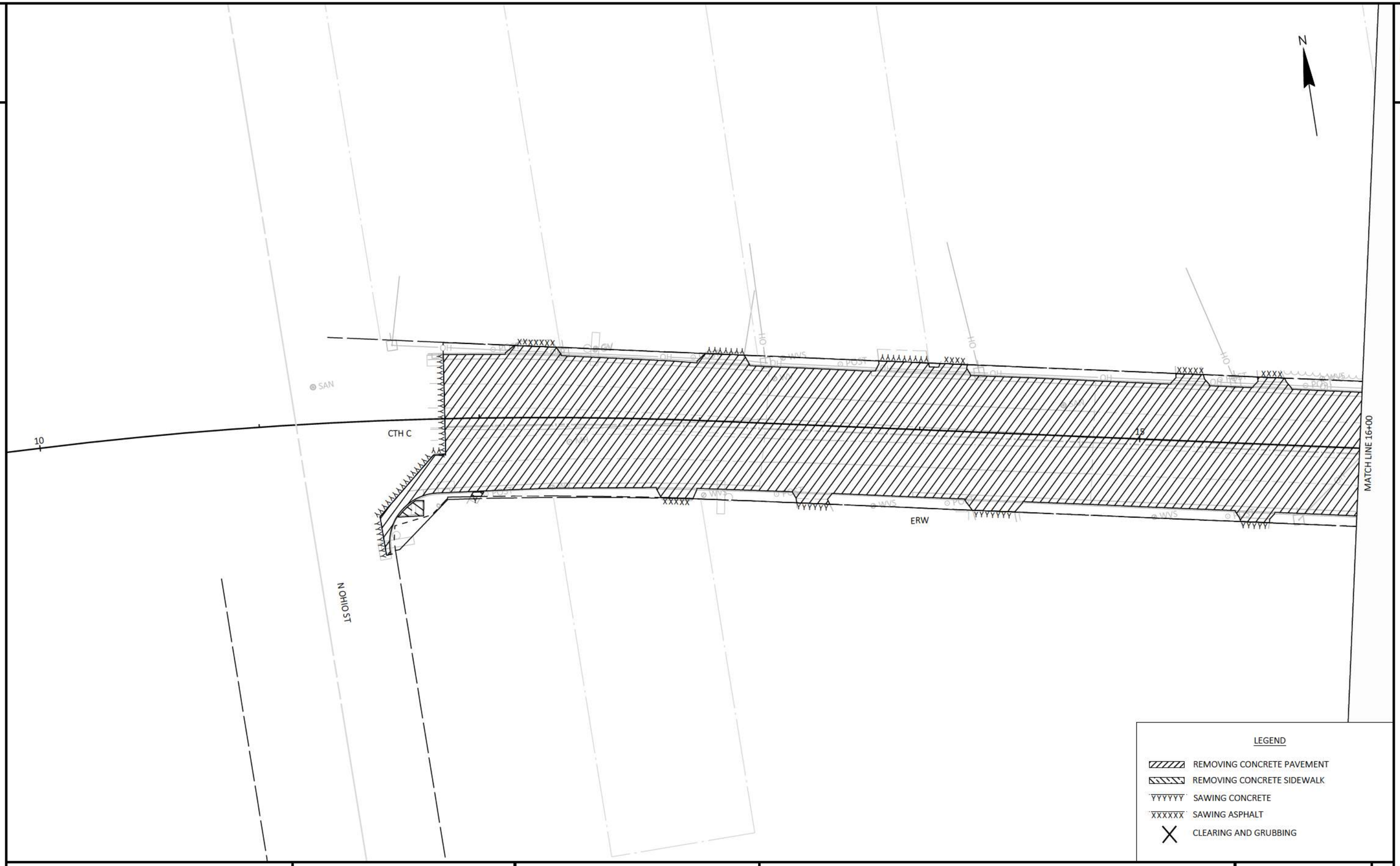
2

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 = 6.52 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 5.89 ACRES

2



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	REMOVAL PLANS	SHEET 13	E

2

2

N

MATCH LINE 16+00

MATCH LINE 22+00

CTH C

20

ERW

N ILLINOIS ST

LEGEND

REMOVING CONCRETE PAVEMENT

REMOVING CONCRETE SIDEWALK

SAWING CONCRETE

SAWING ASPHALT

CLEARING AND GRUBBING

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	REMOVAL PLANS	SHEET 14	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021002-RM DWG
LAYOUT NAME - 02

PLOT DATE : 2/18/2026 3:11 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 22+00

MATCH LINE 28+00

25

CTH C

ERW

N INDIANA ST

LEGEND

REMOVING CONCRETE PAVEMENT

REMOVING CONCRETE SIDEWALK

SAWING CONCRETE

SAWING ASPHALT

CLEARING AND GRUBBING

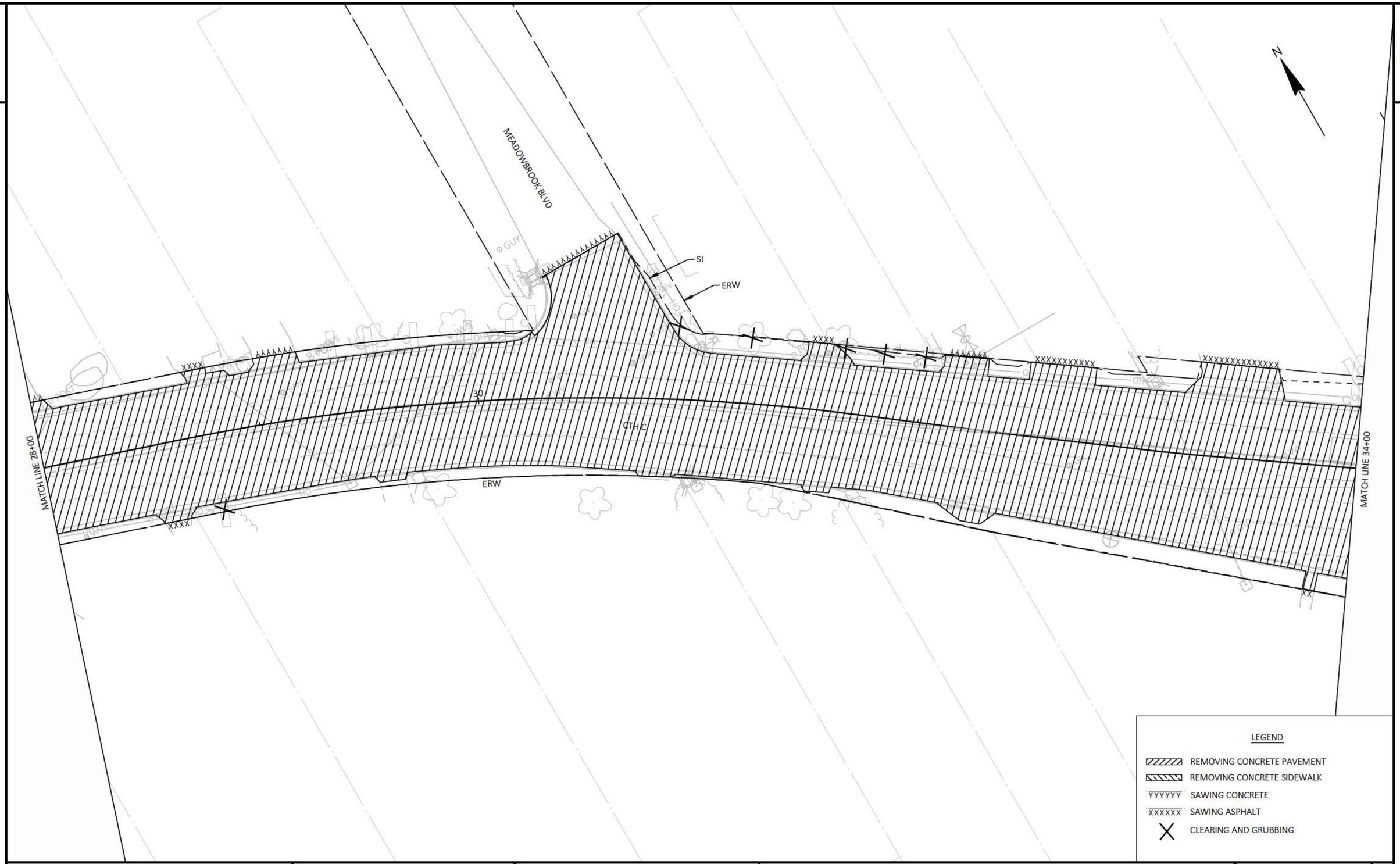
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	REMOVAL PLANS	SHEET 15	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021002-RM DWG
LAYOUT NAME - 03

PLOT DATE : 2/18/2026 3:11 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

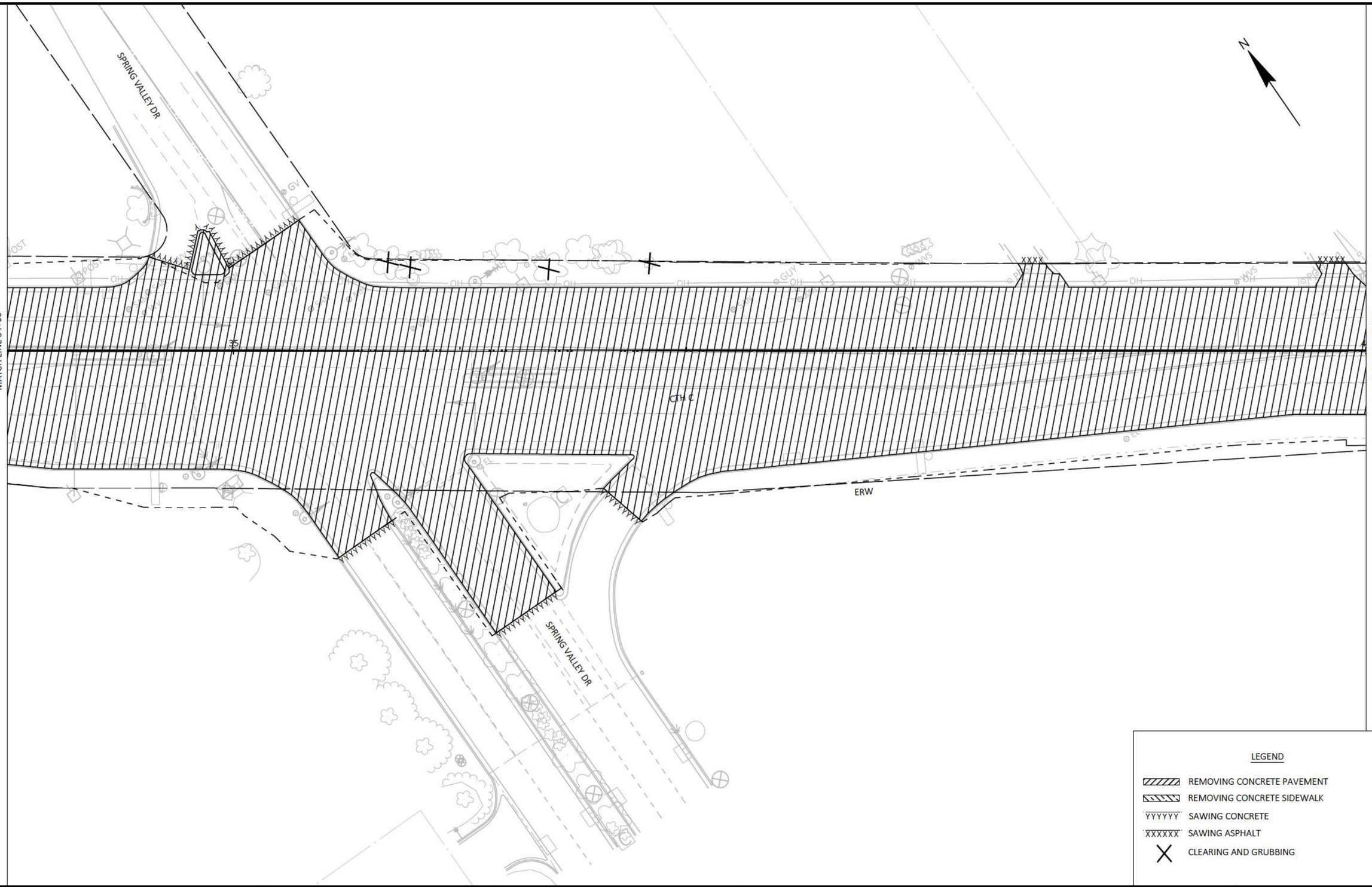


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	REMOVAL PLANS	SHEET 16	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021002-RM DWG
LAYOUT NAME - 04

PLOT DATE : 2/18/2026 3:11 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	REMOVAL PLANS	SHEET 17	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021002-RM DWG
LAYOUT NAME - 05

PLOT DATE : 2/18/2026 3:11 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCH LINE 40+00

FAIRWAY DR

CTH C

45

ERW

SI

LEGEND

REMOVING CONCRETE PAVEMENT

REMOVING CONCRETE SIDEWALK

SAWING CONCRETE

SAWING ASPHALT

CLEARING AND GRUBBING

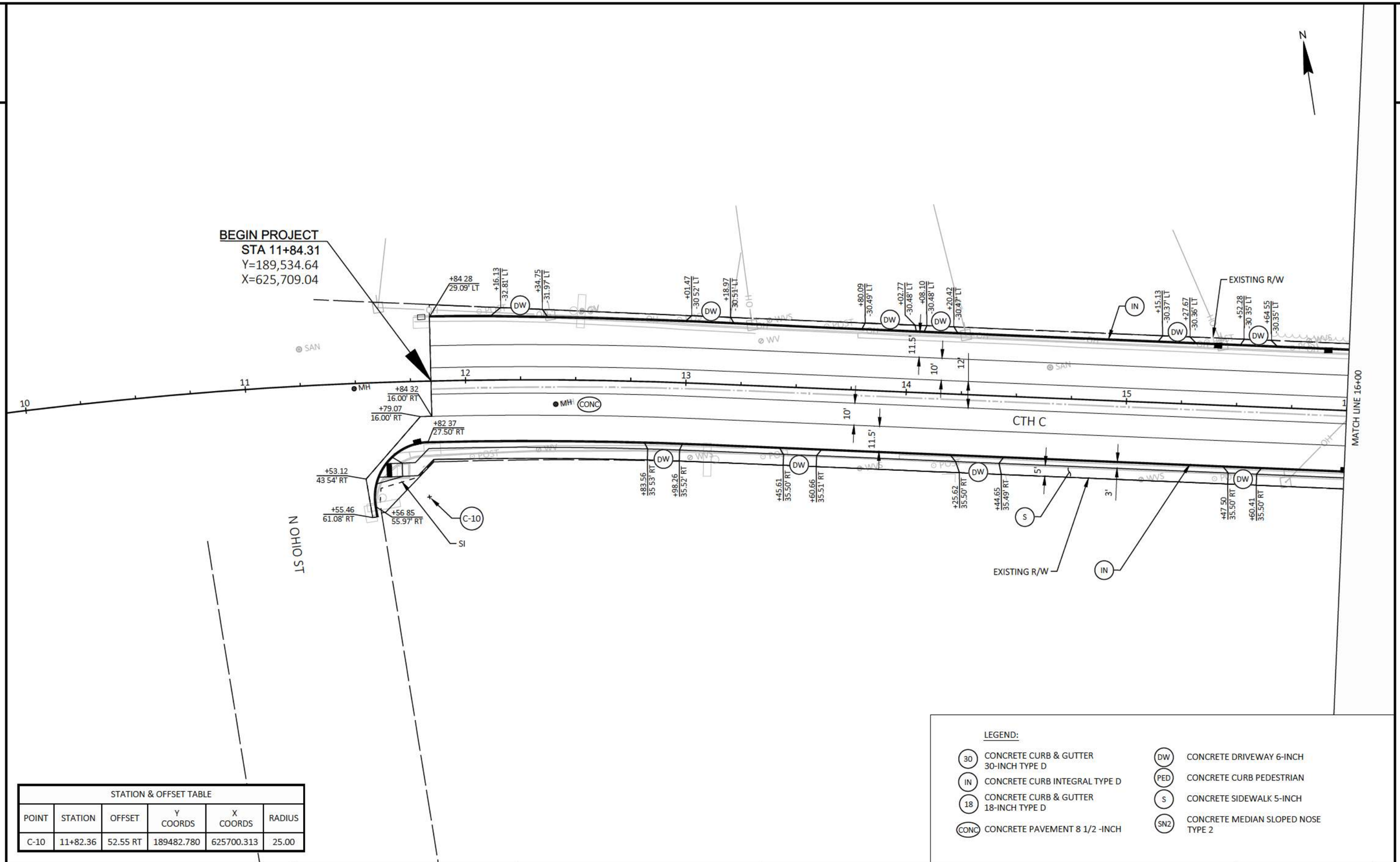
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	REMOVAL PLANS	SHEET 18	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021002-RM DWG
LAYOUT NAME - 06

PLOT DATE : 2/18/2026 3:11 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



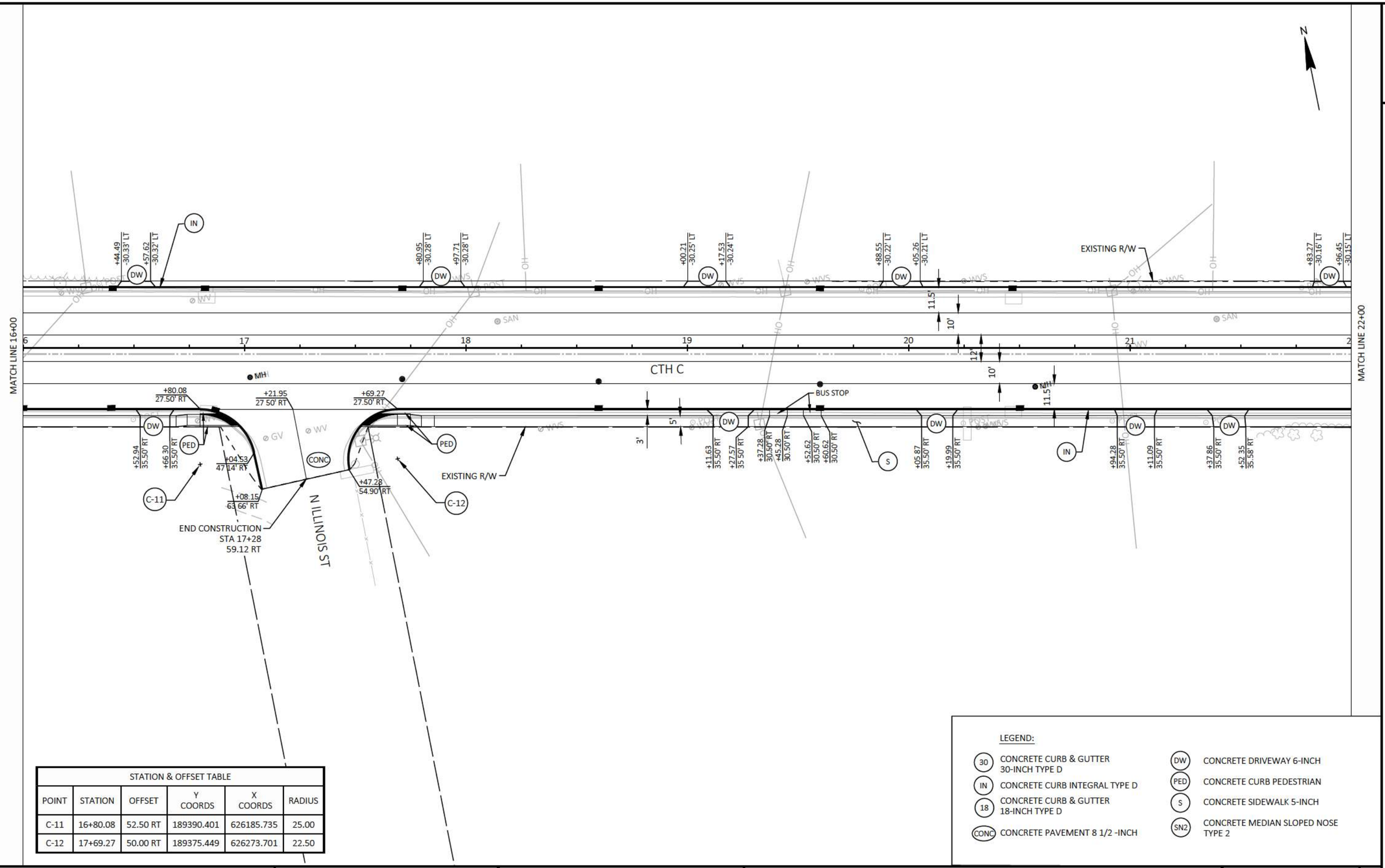
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C-10	11+82.36	52.55 RT	189482.780	625700.313	25.00

LEGEND:

- (30) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (IN) CONCRETE CURB INTEGRAL TYPE D
- (18) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (CONC) CONCRETE PAVEMENT 8 1/2 -INCH
- (DW) CONCRETE DRIVEWAY 6-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (S) CONCRETE SIDEWALK 5-INCH
- (SN2) CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN DETAILS	SHEET 19	E

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C-11	16+80.08	52.50 RT	189390.401	626185.735	25.00
C-12	17+69.27	50.00 RT	189375.449	626273.701	22.50

LEGEND:

- (30) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (IN) CONCRETE CURB INTEGRAL TYPE D
- (18) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (CONC) CONCRETE PAVEMENT 8 1/2 -INCH
- (DW) CONCRETE DRIVEWAY 6-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (S) CONCRETE SIDEWALK 5-INCH
- (SN2) CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN DETAILS	SHEET 20	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021001-PD DWG
LAYOUT NAME - 021002-pd

PLOT DATE : 2/20/2026 11:26 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 22+00

MATCH LINE 28+00

CTH C

N INDIANA ST

BUS STOP

END CONSTRUCTION
STA 24+71.55
67.58' RT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C-13	24+19.82	52.76 RT	189239.313	626905.569	25.00
C-14	25+10.81	50.50 RT	189217.006	626993.657	22.50

LEGEND:

- 30 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- IN — CONCRETE CURB INTEGRAL TYPE D
- 18 — CONCRETE CURB & GUTTER 18-INCH TYPE D
- CONC — CONCRETE PAVEMENT 8 1/2 -INCH
- DW — CONCRETE DRIVEWAY 6-INCH
- PED — CONCRETE CURB PEDESTRIAN
- S — CONCRETE SIDEWALK 5-INCH
- SN2 — CONCRETE MEDIAN SLOPED NOSE TYPE 2

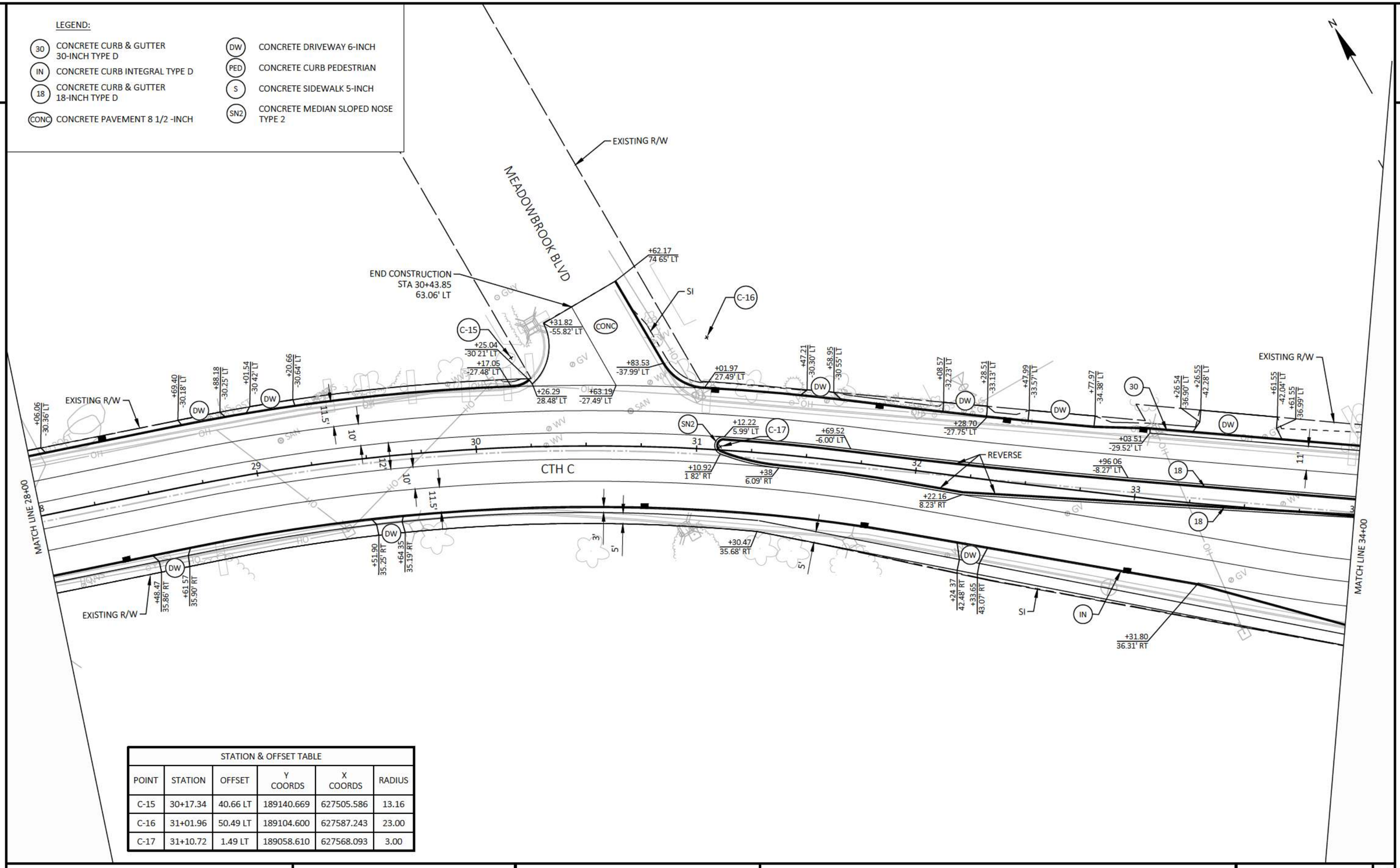
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN DETAILS	SHEET	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021001-PD DWG
LAYOUT NAME - 021003-pd

PLOT DATE : 2/20/2026 11:26 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND:

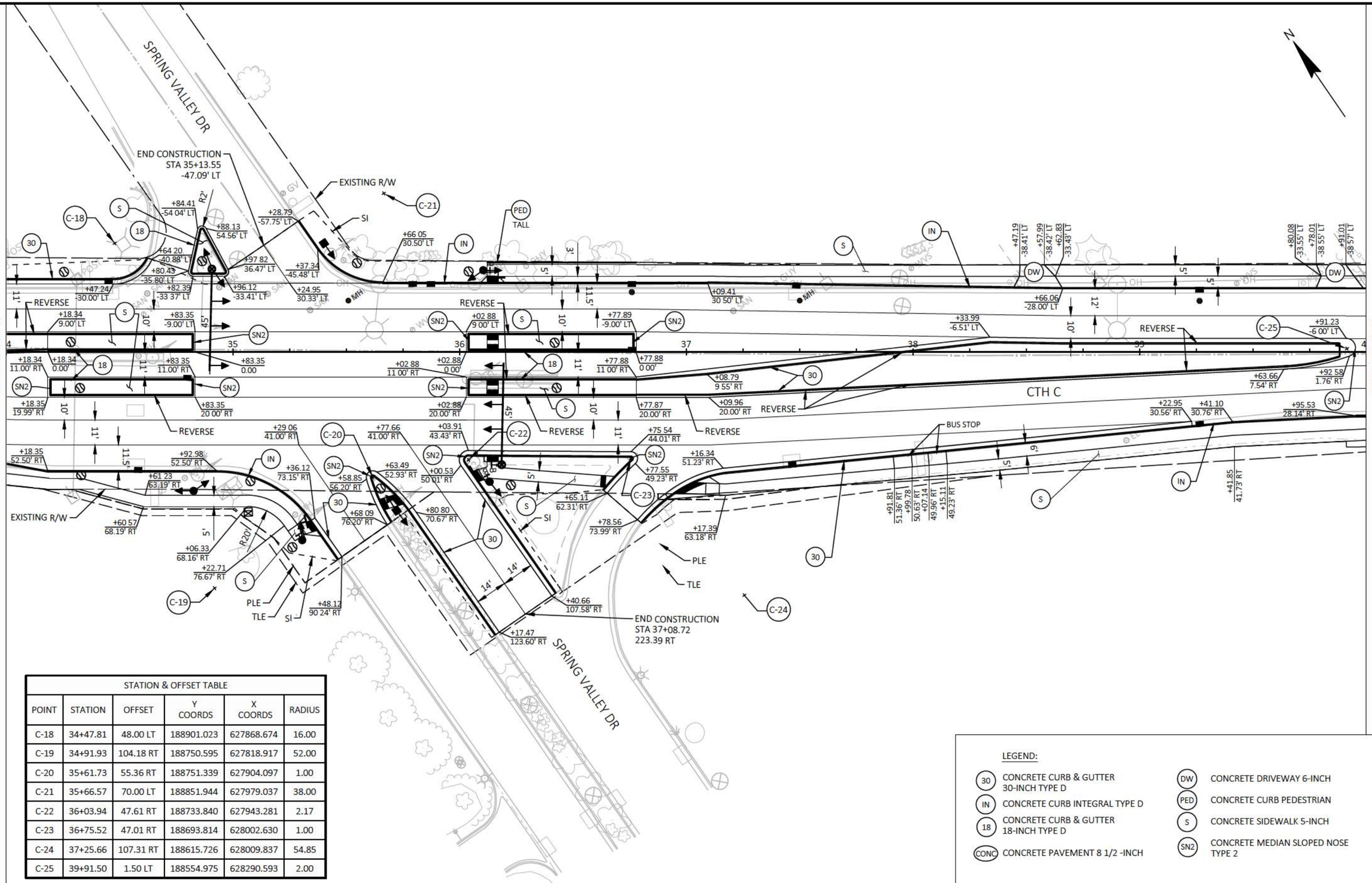
- (30) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (IN) CONCRETE CURB INTEGRAL TYPE D
- (18) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (CONC) CONCRETE PAVEMENT 8 1/2 -INCH
- (DW) CONCRETE DRIVEWAY 6-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (S) CONCRETE SIDEWALK 5-INCH
- (SN2) CONCRETE MEDIAN SLOPED NOSE TYPE 2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C-15	30+17.34	40.66 LT	189140.669	627505.586	13.16
C-16	31+01.96	50.49 LT	189104.600	627587.243	23.00
C-17	31+10.72	1.49 LT	189058.610	627568.093	3.00

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN DETAILS	SHEET 22	E

2

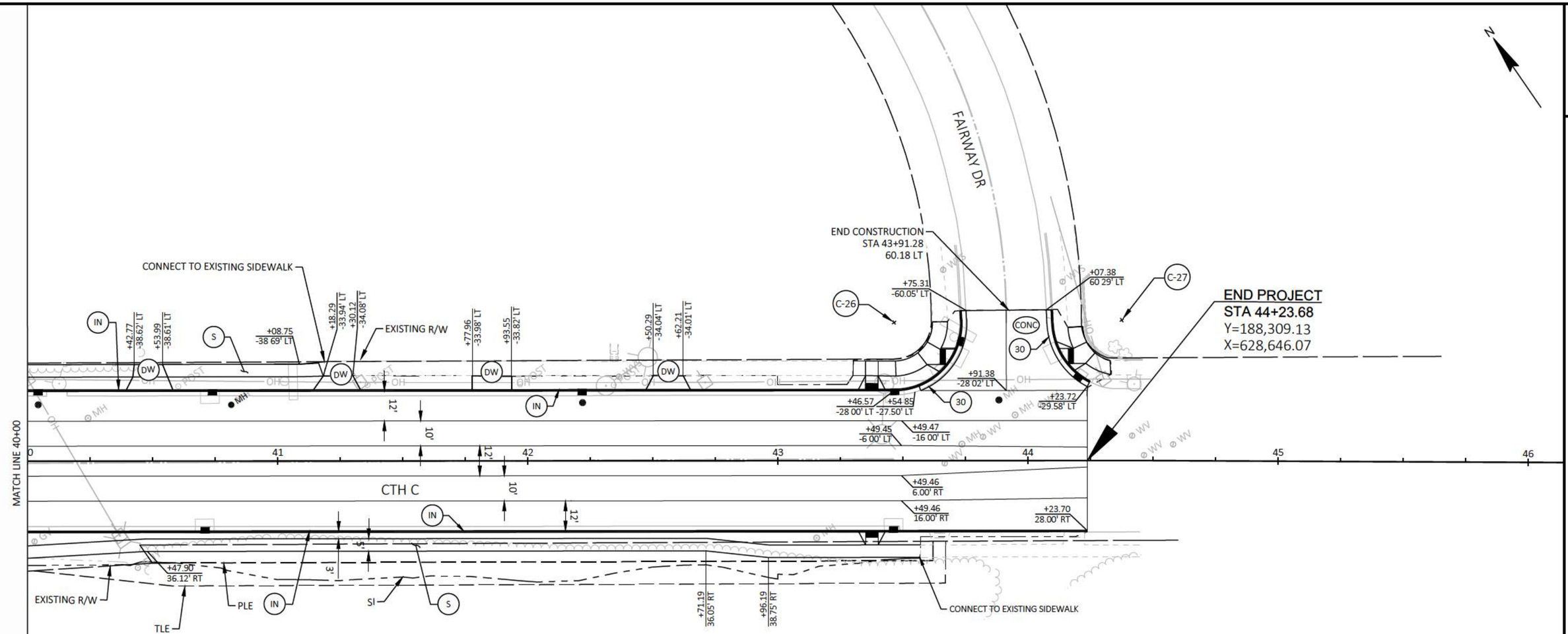


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C-18	34+47.81	48.00 LT	188901.023	627868.674	16.00
C-19	34+91.93	104.18 RT	188750.595	627818.917	52.00
C-20	35+61.73	55.36 RT	188751.339	627904.097	1.00
C-21	35+66.57	70.00 LT	188851.944	627979.037	38.00
C-22	36+03.94	47.61 RT	188733.840	627943.281	2.17
C-23	36+75.52	47.01 RT	188693.814	628002.630	1.00
C-24	37+25.66	107.31 RT	188615.726	628009.837	54.85
C-25	39+91.50	1.50 LT	188554.975	628290.593	2.00

LEGEND:

- 30 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- IN — CONCRETE CURB INTEGRAL TYPE D
- 18 — CONCRETE CURB & GUTTER 18-INCH TYPE D
- CONC — CONCRETE PAVEMENT 8 1/2 -INCH
- DW — CONCRETE DRIVEWAY 6-INCH
- PED — CONCRETE CURB PEDESTRIAN
- S — CONCRETE SIDEWALK 5-INCH
- SN2 — CONCRETE MEDIAN SLOPED NOSE TYPE 2

2



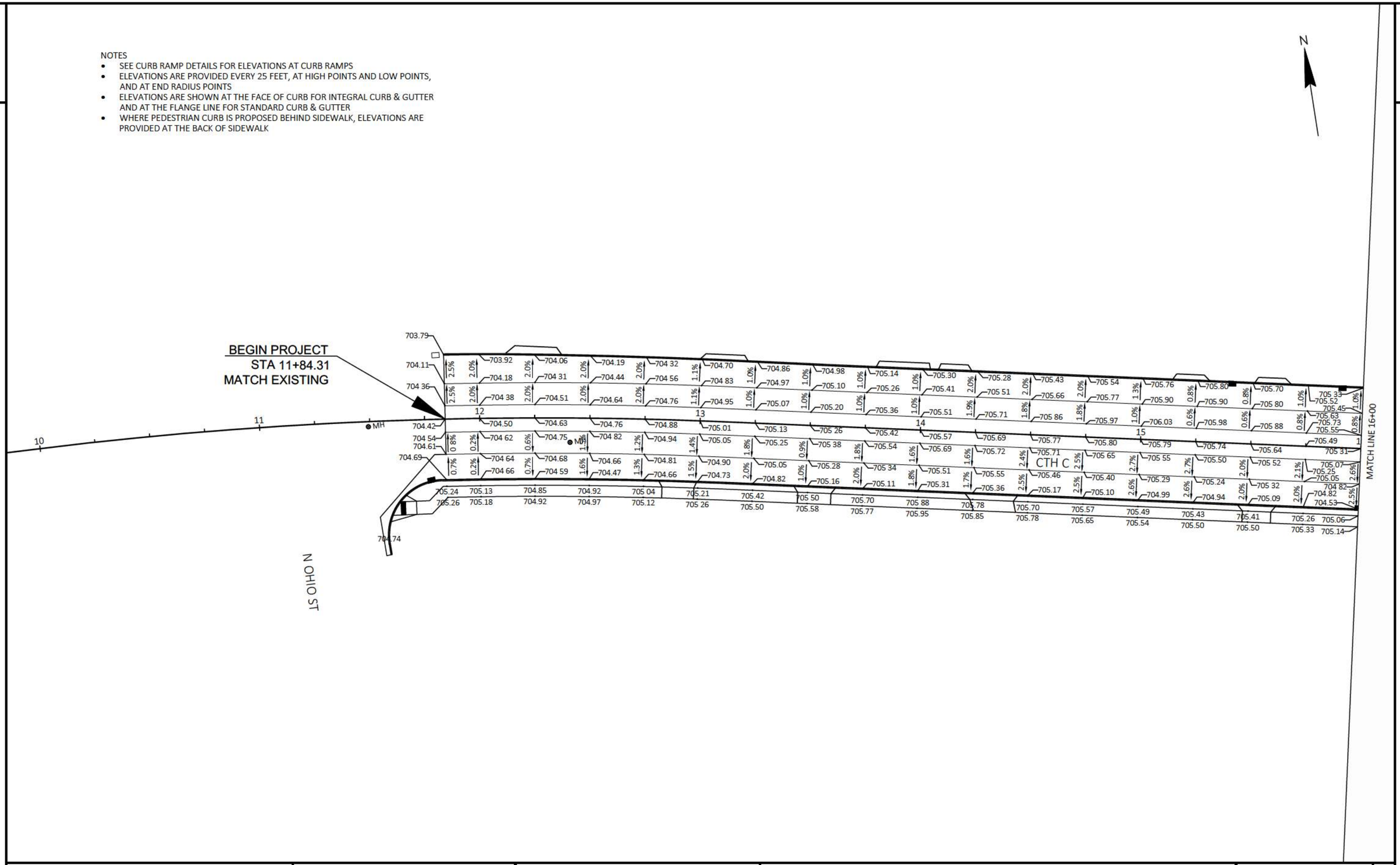
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C-26	43+46.53	55.26 LT	188398.367	628613.715	27.00
C-27	44+37.59	56.18 LT	188347.587	628689.305	28.00

LEGEND:

- (30) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (IN) CONCRETE CURB INTEGRAL TYPE D
- (18) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (CONC) CONCRETE PAVEMENT 8 1/2 -INCH
- (DW) CONCRETE DRIVEWAY 6-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (S) CONCRETE SIDEWALK 5-INCH
- (SN2) CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN DETAILS	SHEET 24	E

NOTES
- SEE CURB RAMP DETAILS FOR ELEVATIONS AT CURB RAMPS
- ELEVATIONS ARE PROVIDED EVERY 25 FEET, AT HIGH POINTS AND LOW POINTS, AND AT END RADIUS POINTS
- ELEVATIONS ARE SHOWN AT THE FACE OF CURB FOR INTEGRAL CURB & GUTTER AND AT THE FLANGE LINE FOR STANDARD CURB & GUTTER
- WHERE PEDESTRIAN CURB IS PROPOSED BEHIND SIDEWALK, ELEVATIONS ARE PROVIDED AT THE BACK OF SIDEWALK



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVING GRADES	SHEET 25	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021202-PG DWG
LAYOUT NAME - 021201-pg
PLOT DATE : 2/27/2026 10:53 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE 16+00

MATCH LINE 22+00

CTH C

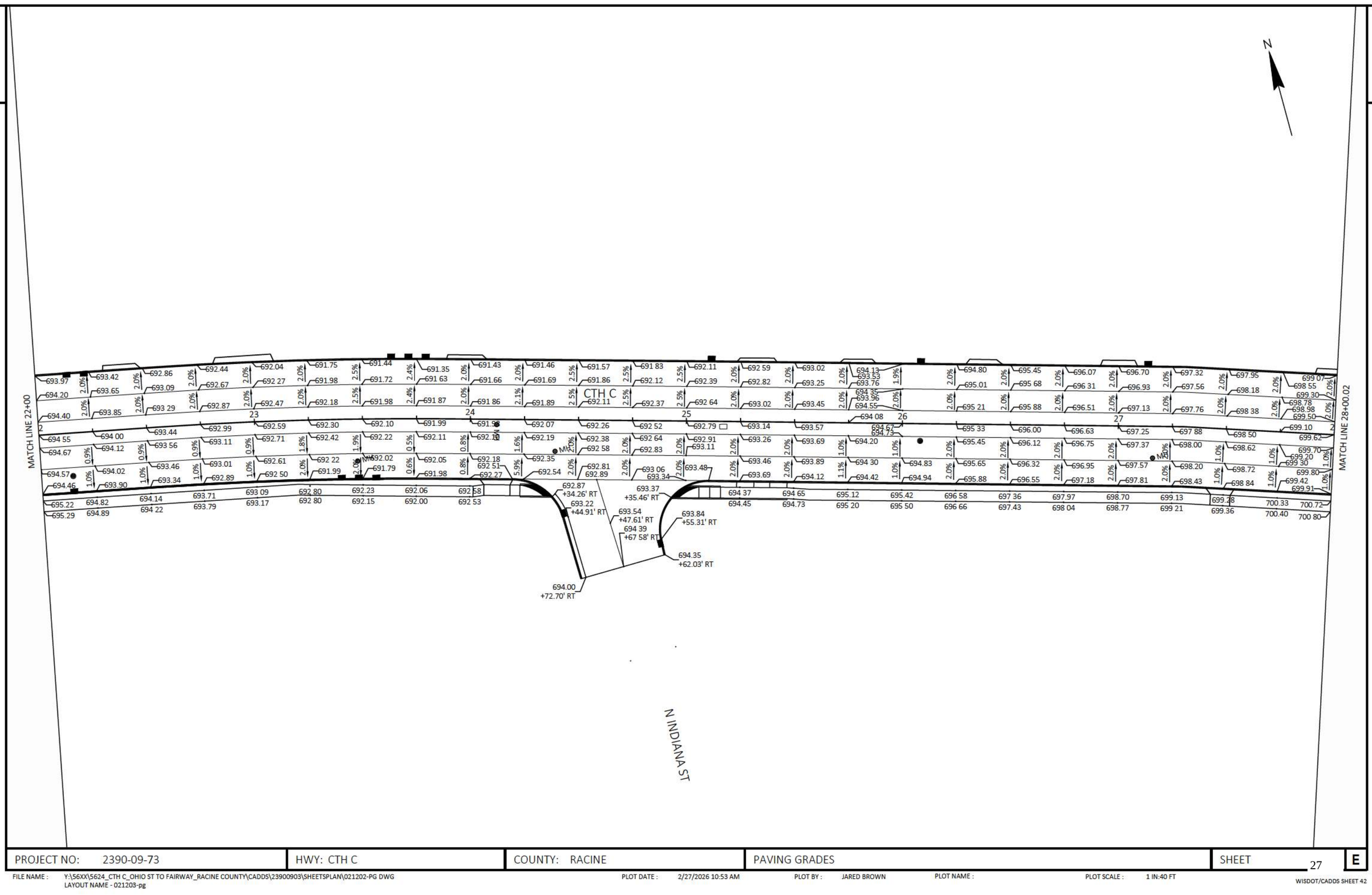
N ILLINOIS ST

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVING GRADES	SHEET 26	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\2390903\SHEETSPLAN\021202-PG DWG
LAYOUT NAME - 021202-pg

PLOT DATE : 2/27/2026 10:53 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

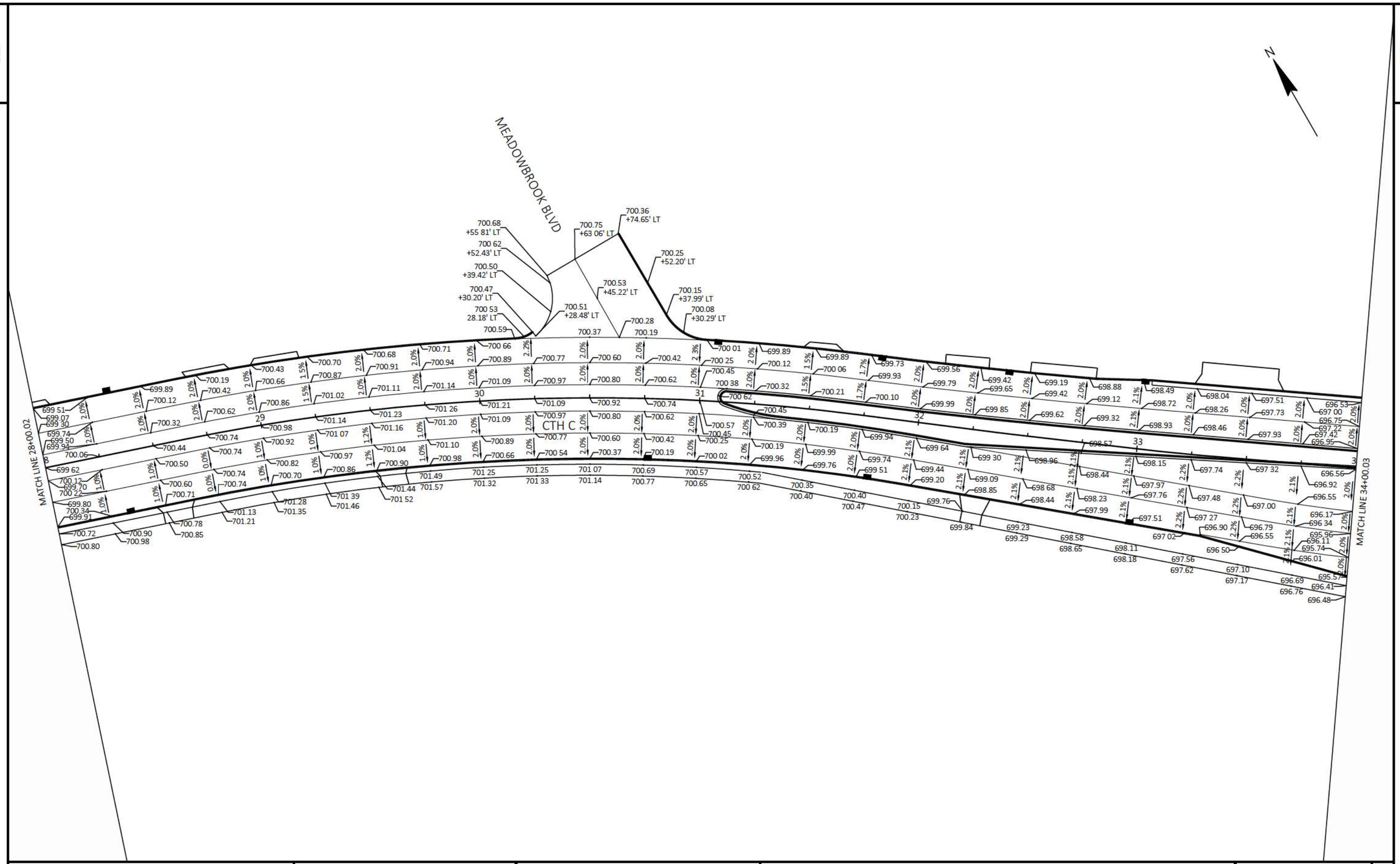


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVING GRADES	SHEET 27	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021202-PG DWG
LAYOUT NAME - 021203-pg

PLOT DATE : 2/27/2026 10:53 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

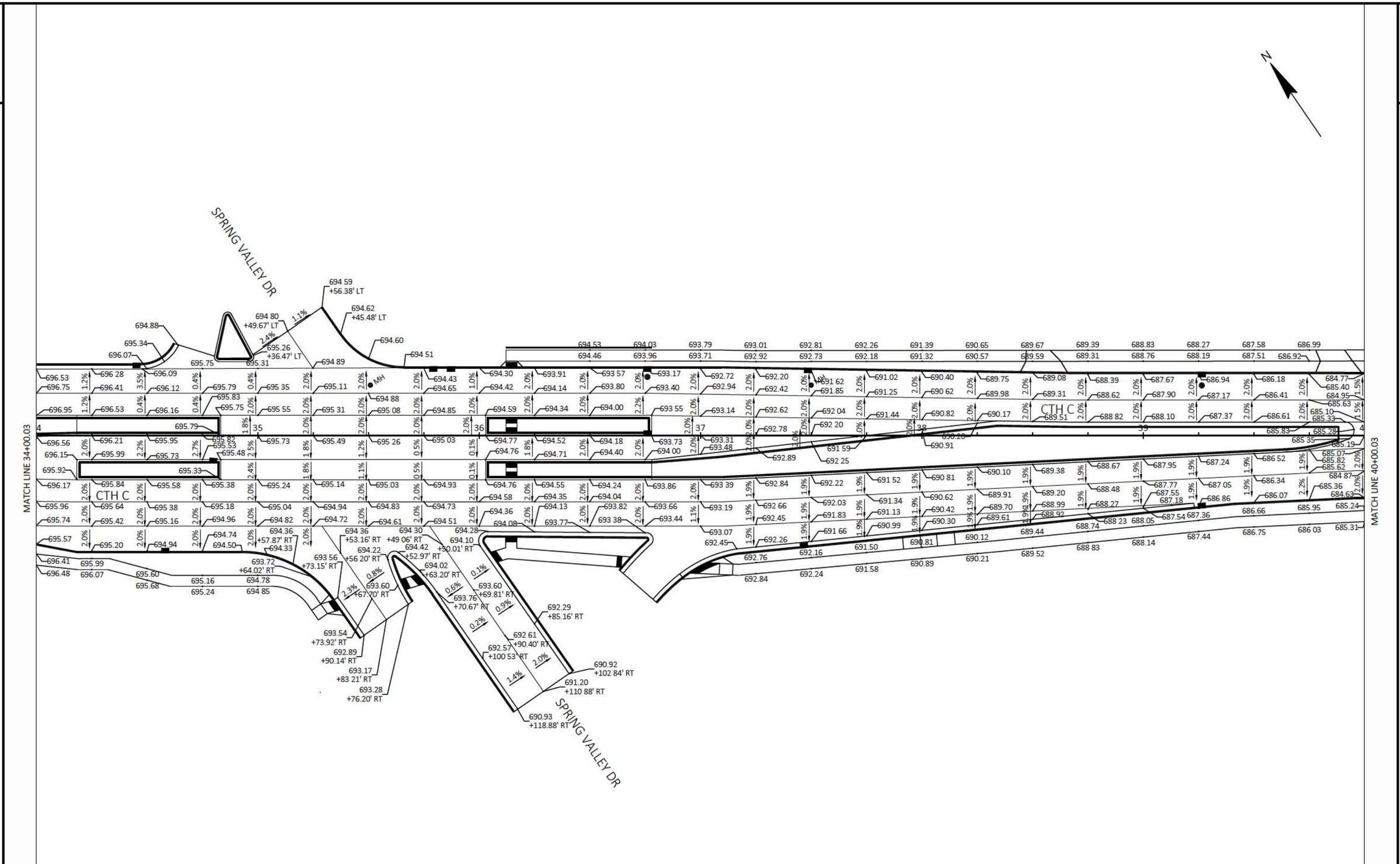


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVING GRADES	SHEET 28	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021202-PG DWG
LAYOUT NAME - 021204-pg

PLOT DATE : 2/27/2026 10:53 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVING GRADES	SHEET 29	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021202-PG DWG
LAYOUT NAME - 021205-pg

PLOT DATE : 2/27/2026 10:53 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

FAIRWAY DR

MATCH EXISTING SIDEWALK

686 30 685.36 683.91 684.09 683.25
686 23 685.29 683 83 684 01 683.17
684.77 684.10 683.43 682.76 682 09 681.28 680.61 679.94 679.27 678.60 677.92 677 25 676.58 675 33 675.16
684.95 684.28 683.61 682.94 682.27 681.52 680 85 680.18 679.51 678.84 678.16 677.49 676.82 675.91 675.15 675.48 674.87 674 24 673 50
685.10 684.43 683.76 683.09 682.42 681.72 681.05 680.38 679.71 679 04 678.36 677.69 677 02 676.35 675 68 675.01 674.35 673.72
685.19 684 52 683.85 683.18 682 51 681.84 681.17 680.50 679.83 679.16 678.48 677 81 677.14 676.47 675.80 675.13 674.46
685 07 684.40 683.73 683.06 682 39 681.72 681.05 680 38 679.71 679.04 678 36 677.69 677.02 676.35 675.68 675.03 674.39 673.77
684.87 684.20 683 53 682.86 682.19 681.52 680 85 680.18 679.51 678 84 678.16 677.49 676 82 676.15 675.44 674.80 674.15 673 53
684 63 683.96 683 29 682.62 681.95 681 28 680 61 679.94 679.27 678.59 677.92 677.25 676.58 675.90 675.15 674.54 673.90 673 26
685.24 684.57 683 89 683 22 682 55 681.78 681 01 680.44 679.87 679.19 678 52 677.87 677 29 676.60
685.31 684.64 683.91 683.24 682.57 681.74 680.91 680.40 679.91 679 23 678 55 677.88 677 33 676.68

0 41 42 43 44 45 46

CTH C

MATCH LINE 40+00.03

674 81 +60.05' LT
674.87 +60.18' LT
674.14 +60 25' LT
674.75 +56 83' LT
673.91 +54.95' LT
674.46 +44.11' LT
673.59 +40.10' LT
674.74 +38 58' LT
674 33
674.71
674.13

END PROJECT
STA 44+23.68
MATCH EXISTING

MATCH EXISTING SIDEWALK

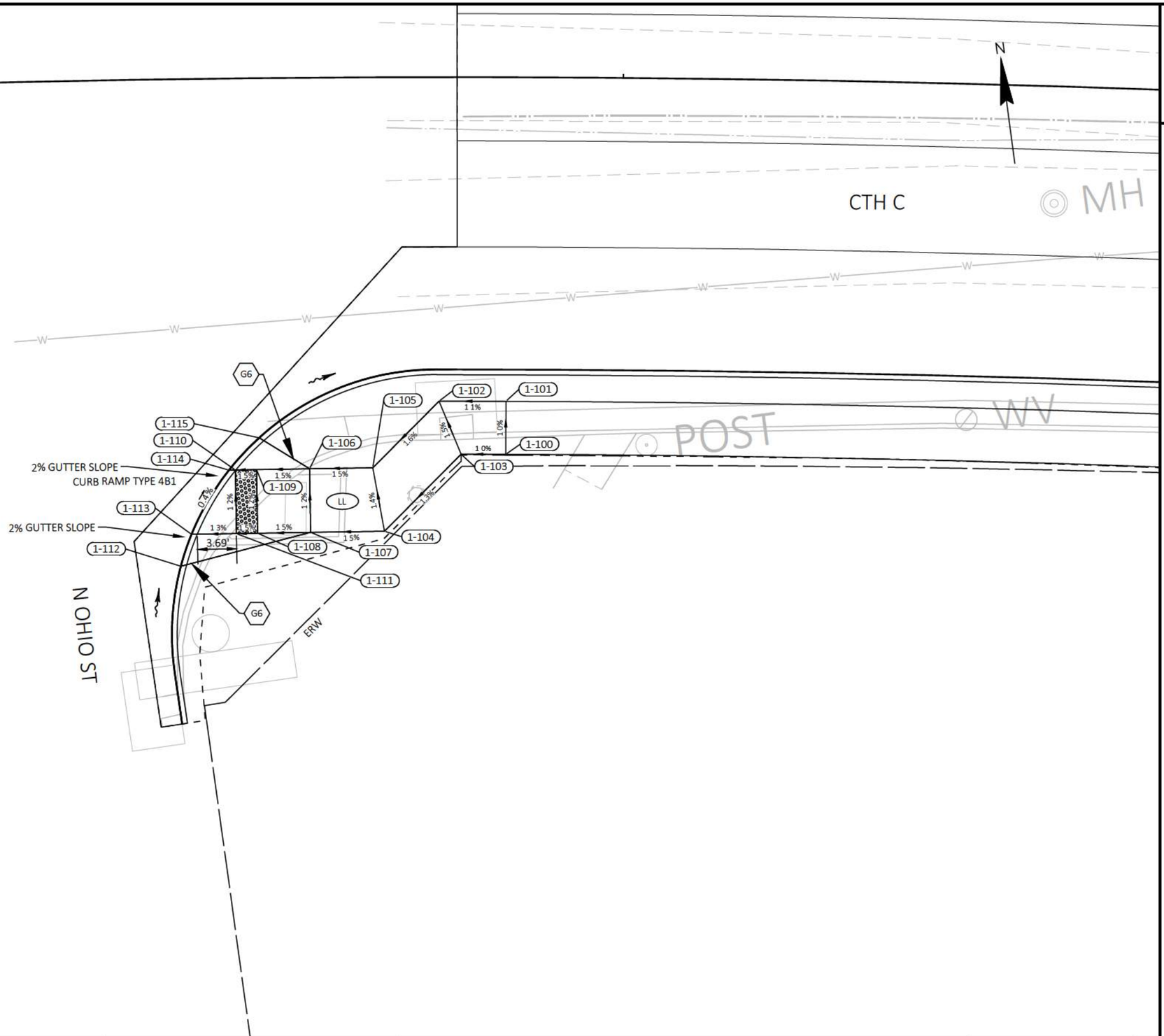
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVING GRADES	SHEET 30	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021202-PG DWG
LAYOUT NAME - 021206-pg

PLOT DATE : 2/27/2026 10:54 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)



INT 1 - N OHIO ST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-100	11+89.00	35.56' RT	705.14	189498.78	625708.97
1-101	11+89.00	30.56' RT	705.09	189503.74	625709.64
1-102	11+82.59	30.55' RT	705.01	189504.57	625703.38
1-103	11+84.70	35.55' RT	705.10	189499.34	625704.79
1-104	11+77.31	42.81' RT	704.96	189493.08	625696.68
1-105	11+76.21	36.82' RT	704.87	189499.15	625696.36
1-106	11+70.12	36.88' RT	704.78	189499.83	625690.44
1-107	11+70.17	42.88' RT	704.86	189493.87	625689.75
1-108	11+65.05	42.91' RT	704.78	189494.45	625684.78
1-109	11+65.02	36.91' RT	704.71	189500.41	625685.47
1-110	11+62.98	36.92' RT	704.68	189500.63	625683.48
1-111	11+63.01	42.92' RT	704.75	189494.67	625682.80
1-112	11+57.62	45.94' RT	705.19	189492.30	625677.22
1-113	11+58.68	42.94' RT	704.70	189495.16	625678.59
1-114	11+62.37	36.93' RT	704.67	189500.70	625682.89
1-115	11+65.32	33.92' RT	705.15	189503.34	625686.12

2

2

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

N

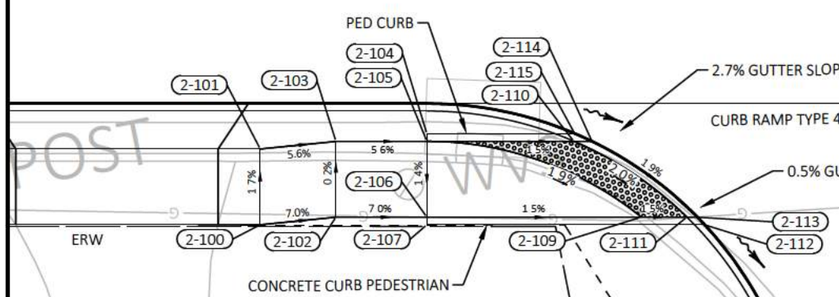
CTH C

N ILLINOIS ST

0.12%

INT2 - ILLINOIS ST - SW

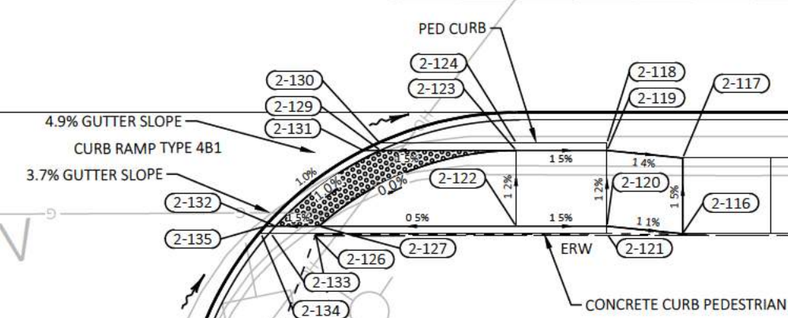
BOC RADIUS = 24.5"
CURB RAMP LANDING LENGTH ('XR') = 17.1'
RADIAL CHORD LENGTH = 8.9'
RADIAL WARNING FIELD AREA = 21.5 SF



INT 2 - N ILLINOIS ST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-100	16+69.08	35.50' RT	704.82	189409.22	626178.26
2-101	16+69.08	30.50' RT	704.73	189414.12	626179.24
2-102	16+74.08	35.00' RT	704.47	189408.74	626183.26
2-103	16+74.08	30.00' RT	704.45	189413.64	626184.24
2-104	16+80.08	29.50' RT	704.12	189412.96	626190.22
2-105	16+80.08	30.00' RT	704.12	189412.47	626190.13
2-106	16+80.08	35.00' RT	704.05	189407.56	626189.15
2-107	16+80.08	35.50' RT	704.05	189407.07	626189.05
2-109	16+94.22	35.00' RT	703.83	189404.81	626203.02
2-110	16+89.77	30.00' RT	703.97	189410.58	626199.63
2-111	16+97.22	35.00' RT	703.79	189404.22	626205.97
2-112	16+98.39	35.50' RT	704.24	189403.50	626207.01
2-113	16+97.93	35.00' RT	703.78	189404.08	626206.66
2-114	16+90.98	30.00' RT	703.72	189410.34	626200.81

INT 2 - ILLINOIS ST - SE

BOC RADIUS = 22.0"
CURB RAMP LANDING LENGTH ('XR') = 16 8'
RADIAL CHORD LENGTH = 8.5'
RADIAL WARNING FIELD AREA = 20 2 SF



INT 2 - N ILLINOIS ST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-131	17+58.96	30.00' RT	702.72	189397.08	626267.49
2-132	17+53.18	35.00' RT	702.80	189393.30	626260.84
2-133	17+52.88	35.50' RT	702.84	189392.87	626260.45
2-134	17+52.22	35.50' RT	703.18	189393.00	626259.81
2-135	17+52.50	35.00' RT	702.80	189393.43	626260.18

INT 2 - N ILLINOIS ST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-115	16+89.84	29.50' RT	704.46	189411.05	626199.79
2-116	17+80.04	35.50' RT	702.76	189387.57	626287.09
2-117	17+80.04	30.50' RT	702.68	189392.47	626288.07
2-118	17+75.04	29.50' RT	702.73	189394.43	626283.36
2-119	17+75.04	30.00' RT	702.75	189393.94	626283.26
2-120	17+75.04	35.00' RT	702.81	189389.03	626282.29
2-121	17+75.04	35.50' RT	702.80	189388.54	626282.19
2-122	17+69.04	35.00' RT	702.90	189390.21	626276.40
2-123	17+69.04	30.00' RT	702.84	189395.11	626277.38
2-124	17+69.04	29.50' RT	703.31	189395.60	626277.48
2-126	17+55.65	35.50' RT	702.87	189392.33	626263.17
2-127	17+56.04	35.00' RT	702.84	189392.74	626263.65
2-129	17+60.11	30.00' RT	702.71	189396.85	626268.61
2-130	17+60.03	29.50' RT	703.20	189397.36	626268.64

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 32	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021301-CR DWG
LAYOUT NAME - 021302-cr

PLOT DATE : 11/19/2025 3:43 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

CTH C

N INDIANA ST

25

2.63%

INT 3 - INDIANA ST - SW

BOC RADIUS = 24.5'
CURB RAMP LANDING LENGTH ('XR') = 14.4'
RADIAL CHORD LENGTH = 8.97'
RADIAL WARNING FIELD AREA = 21.3 SF

PED CURB
4.2% REVERSE GUTTER SLOPE
CURB RAMP TYPE 4B1
1.1% REVERSE GUTTER SLOPE
ERW
CONCRETE CURB PEDESTRIAN

INT 3 - INDIANA ST - SE

BOC RADIUS = 22.0'
CURB RAMP LANDING LENGTH ('XR') = 12.9'
RADIAL CHORD LENGTH = 8.54'
RADIAL WARNING FIELD AREA = 19.34 SF

PED CURB
3.0% REVERSE GUTTER SLOPE
CURB RAMP TYPE 4B1
1.7% REVERSE GUTTER SLOPE
LL
ERW
CONCRETE CURB PEDESTRIAN

INT 3 - N INDIANA ST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-100	24+18.59	30.26' RT	692.82	189261.31	626910.46
3-101	24+18.58	35.26' RT	692.88	189256.50	626909.10
3-102	24+23.23	29.77' RT	693.37	189260.53	626915.05
3-103	24+23.23	30.27' RT	692.85	189260.05	626914.92
3-104	24+23 22	35.27' RT	692.91	189255.24	626913.56
3-105	24+23.22	35.77' RT	693.47	189254.76	626913.42
3-106	24+34.25	35.30' RT	692.94	189252.24	626924.17
3-107	24+30.08	30.29' RT	692.74	189258.19	626921.51
3-108	24+30.15	29.79' RT	693.00	189258.65	626921.71
3-109	24+31.22	30.29' RT	692.74	189257.88	626922.61
3-110	24+37.19	35.31' RT	692.90	189251.44	626927.01
3-111	24+37.89	35.31' RT	692.89	189251.25	626927.68
3-112	24+38.33	35.81' RT	693.41	189250.65	626927.97
3-113	25+23.62	35.44' RT	694.43	189228.01	627010.08

INT 3 - N INDIANA ST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-114	25+23.62	30.44' RT	694.36	189232.82	627011.44
3-115	25+16.19	29.95' RT	694.75	189235.32	627004.43
3-116	25+16.19	30.45' RT	694.25	189234.84	627004.29
3-117	25+16.19	35.45' RT	694.32	189230.02	627002.93
3-118	25+16.20	35.96' RT	694.32	189229.54	627002.80
3-119	25+11.19	36.00' RT	694.09	189230.85	626997.97
3-120	25+11.19	35.50' RT	693.97	189231.34	626998.11
3-121	25+11.19	30.50' RT	693.89	189236.15	626999.47
3-122	25+11.18	30.00' RT	694.48	189236.63	626999.60
3-123	25+06.09	30.49' RT	693.53	189237.51	626994.66
3-124	25+06.08	35.49' RT	693.61	189232.70	626993.30
3-125	24+96.80	35.47' RT	693.43	189235.22	626984.36
3-126	25+00.40	30.48' RT	693.42	189239.06	626989.17
3-127	25+00.31	29.98' RT	693.91	189239.56	626989.22

INT 3 - N INDIANA ST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-128	24+99.36	30.47' RT	693.41	189239.34	626988.17
3-129	24+94.03	35.46' RT	693.37	189235.98	626981.70
3-130	24+93.37	35.46' RT	693.37	189236.15	626981.06
3-131	24+92.98	35.96' RT	693.71	189235.78	626980.55
3-132	25+23.62	35.91' RT	694.43	189227.56	627009.96

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 33	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021301-CR DWG
LAYOUT NAME - 021303-cr
PLOT DATE : 11/19/2025 3:43 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

N

TECHNICALLY INFEASIBLE NOTES:
SPRING VALLEY SW QUAD:

TECHNICALLY INFEASIBLE DUE TO RAMP CROSS SLOPE OF 3 2% AT FLOWLINE. A LEVEL LANDING AT THE TOP OF THE RAMP ALSO CANNOT BE PROVIDED DUE TO THE 3.2% RAMP CROSS SLOPE. CAN NOT CONFORM THE RAMP DUE TO THE SIDE ROAD STREET GRADE NEEDED TO MATCH IN.

TECHNICALLY INFEASIBLE NOTES:
SPRING VALLEY MEDIAN:

TECHNICALLY INFEASIBLE DUE TO RAMP CROSS SLOPE OF 3 3% AT FLOWLINE. CAN NOT CONFORM THE RAMP DUE TO THE SIDE ROAD STREET GRADE NEEDED TO MATCH IN.

4-100 4-101 4-102 4-103 4-104 4-105 4-106 4-107 4-108 4-109 4-110 4-111 4-112 4-113 4-114 4-115 4-124 4-125 4-126 4-127 4-128 4-129 4-130 4-131 4-132 4-133 4-134 4-135

G6 MEF LL

2.3% GUTTER SLOPE
CURB RAMP TYPE 3
2% GUTTER SLOPE
-3.27%
ERW
CURB RAMP TYPE 5
-2.75%

SPRING VALLEY DR

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 34 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021301-CR DWG
LAYOUT NAME - 021304-cr

PLOT DATE : 11/19/2025 3:43 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

INT 4 - SPRING VALLEY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-100	35+06.33	68.16' RT	694.68	188772.14	627851.17
4-101	35+06.32	63.16' RT	694.64	188776.26	627854.00
4-102	35+25.46	72.06' RT	693.76	188758.10	627864.75
4-103	35+21.64	75.28' RT	693.83	188757.61	627859.77
4-104	35+24.34	78.99' RT	693.76	188753.01	627859.89
4-105	35+28.43	76.12' RT	693.69	188753.06	627864.89
4-106	35+31.46	80.43' RT	693.52	188747.79	627864.95
4-107	35+27.37	83.31' RT	693.59	188747.74	627859.95
4-108	35+34.99	79.37' RT	693.46	188746.67	627868.46
4-109	35+31.96	75.06' RT	693.63	188751.94	627868.41
4-110	35+33.98	74.45' RT	693.60	188751.30	627870.41
4-111	35+37.01	78.77' RT	693.43	188746.03	627870.47
4-112	35+37.51	78.61' RT	693.35	188745.87	627870.97
4-113	35+39.37	81.29' RT	693.74	188742.61	627870.99
4-114	35+34.49	74.30' RT	693.52	188751.14	627870.91
4-115	35+32.54	71.70' RT	693.92	188754.39	627870.78
4-124	35+66.50	69.65' RT	693.45	188736.85	627899.94
4-125	35+64.24	65.11' RT	693.61	188741.88	627900.65

INT 4 - SPRING VALLEY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-126	35+64.75	64.96' RT	693.61	188741.71	627901.16
4-127	35+67.00	69.50' RT	693.45	188736.69	627900.44
4-128	35+68.95	68.92' RT	693.57	188736.07	627902.37
4-129	35+66.70	64.37' RT	693.74	188741.09	627903.09
4-130	35+69.15	63.64' RT	693.89	188740.31	627905.53
4-131	35+72.84	67.75' RT	693.76	188734.84	627906.24
4-132	35+74.95	67.11' RT	693.89	188734.16	627908.35
4-133	35+71.26	63.00' RT	694.02	188739.64	627907.63
4-134	35+71.83	62.83' RT	694.03	188739.46	627908.19
4-135	35+75.48	66.95' RT	693.89	188734.00	627908.87

2

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

N

TALL CONCRETE CURB PEDESTRIAN

ERW

4-214A 4-214 4-213 4-210 4-209A 4-209 4-206A 4-206

1.2% 3.8% 3.8% 1.5% 1.5% 1.5% 1.5% 1.5% 1.5% 1.5%

4-215 G6 LL EB

4-212 4-211 4-208 4-207

4-216 4-217 4-219 4-218 G6

4% GUTTER SLOPE

4% GUTTER SLOPE

CURB RAMP TYPE 3

CTH C

-1.23%

CURB RAMP TYPE 5

2% REVERSE GUTTER SLOPE

2% REVERSE GUTTER SLOPE

4-199 4-198

4-200 4-201 4-203 4-202 4-204 4-205

4% GUTTER SLOPE

CURB RAMP TYPE 5

4% GUTTER SLOPE

-0.92%

CURB RAMP TYPE 5

2% REVERSE GUTTER SLOPE

2% REVERSE GUTTER SLOPE

4-197 4-196

4-194 4-195 4-193 4-192 4-190 4-191

2% REVERSE GUTTER SLOPE

2% REVERSE GUTTER SLOPE

CURB RAMP TYPE 5

-0.91%

TECHNICALLY INFEASIBLE NOTES:
SPRING VALLEY ISLAND:

TECHNICALLY INFEASIBLE DUE TO RAMP CROSS SLOPE OF 2.9% AT FLOWLINE. CAN NOT CONFORM THE RAMP DUE TO THE SIDE ROAD STREET GRADE NEEDED TO MATCH IN.

CTH C

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 36	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021301-CR DWG
LAYOUT NAME - 021306-cr

PLOT DATE : 11/19/2025 3:43 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

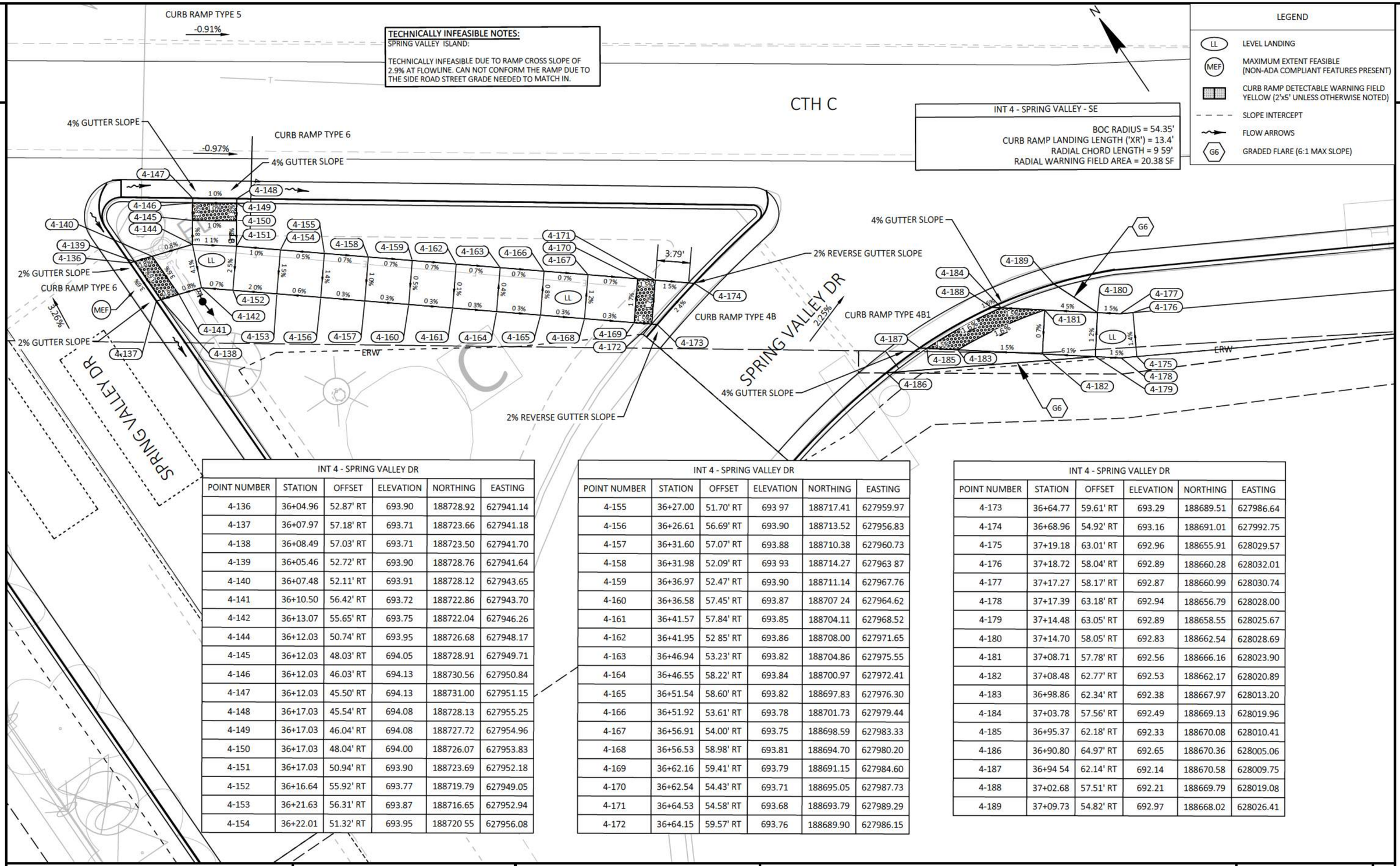
2

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

INT 4 - SPRING VALLEY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-190	36+12.06	19.00' RT	694.70	188752.83	627966.17
4-191	36+17.05	19.00' RT	694.65	188750.00	627970.29
4-192	36+17.06	16.50' RT	694.69	188752.06	627971.70
4-193	36+12.06	16.50' RT	694.74	188754.89	627967.58
4-194	36+12.06	14.50' RT	694.74	188756.54	627968.71
4-195	36+17.06	14.50' RT	694.72	188753.71	627972.84
4-196	36+17.06	11.99' RT	694.76	188755.78	627974.26
4-197	36+12.06	11.98' RT	694.78	188758.61	627970.14
4-198	36+17.09	8.01' LT	694.45	188772.25	627985.61
4-199	36+12.09	8.02' LT	694.51	188775.08	627981.48
4-200	36+12.09	5.50' LT	694.56	188773.01	627980.06
4-201	36+17.09	5.50' LT	694.50	188770.18	627984.18
4-202	36+17.09	3.50' LT	694.53	188768.53	627983.05
4-203	36+12.09	3.50' LT	694.59	188771.36	627978.92
4-204	36+12.09	1.02' LT	694.63	188769.31	627977.52
4-205	36+17.09	1.01' LT	694.57	188766.48	627981.64
4-206	36+32.13	38.50' LT	694.74	188788.87	628015.25

INT 4 - SPRING VALLEY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-206A	36+32.13	39.50' LT	695.32	188789.70	628015.82
4-207	36+32.13	33.50' LT	694.66	188784.75	628012.42
4-208	36+27.13	33.50' LT	694.59	188787.58	628008.30
4-209	36+27.13	38.50' LT	694.66	188791.70	628011.13
4-209A	36+27.13	39.50' LT	695.40	188792.53	628011.70
4-210	36+22.13	38.50' LT	694.47	188794.53	628007.01
4-211	36+22.13	33.50' LT	694.40	188790.41	628004.18
4-212	36+17.13	33.50' LT	694.21	188793.24	628000.06
4-213	36+17.13	38.50' LT	694.28	188797.36	628002.89
4-214	36+12.13	38.50' LT	694.34	188800.19	627998.77
4-214A	36+12.13	39.50' LT	695.34	188801.01	627999.33
4-215	36+12.13	33.51' LT	694.27	188796.07	627995.94
4-216	36+09.15	30.53' LT	694.39	188795.31	627991.80
4-217	36+12.13	30.52' LT	694.06	188793.61	627994.25
4-218	36+17.13	30.51' LT	694.00	188790.78	627998.37
4-219	36+20.10	30.53' LT	694.16	188789.11	628000.82



INT 4 - SPRING VALLEY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-136	36+04.96	52.87' RT	693.90	188728.92	627941.14
4-137	36+07.97	57.18' RT	693.71	188723.66	627941.18
4-138	36+08.49	57.03' RT	693.71	188723.50	627941.70
4-139	36+05.46	52.72' RT	693.90	188728.76	627941.64
4-140	36+07.48	52.11' RT	693.91	188728.12	627943.65
4-141	36+10.50	56.42' RT	693.72	188722.86	627943.70
4-142	36+13.07	55.65' RT	693.75	188722.04	627946.26
4-144	36+12.03	50.74' RT	693.95	188726.68	627948.17
4-145	36+12.03	48.03' RT	694.05	188728.91	627949.71
4-146	36+12.03	46.03' RT	694.13	188730.56	627950.84
4-147	36+12.03	45.50' RT	694.13	188731.00	627951.15
4-148	36+17.03	45.54' RT	694.08	188728.13	627955.25
4-149	36+17.03	46.04' RT	694.08	188727.72	627954.96
4-150	36+17.03	48.04' RT	694.00	188726.07	627953.83
4-151	36+17.03	50.94' RT	693.90	188723.69	627952.18
4-152	36+16.64	55.92' RT	693.77	188719.79	627949.05
4-153	36+21.63	56.31' RT	693.87	188716.65	627952.94
4-154	36+22.01	51.32' RT	693.95	188720 55	627956.08

INT 4 - SPRING VALLEY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-155	36+27.00	51.70' RT	693 97	188717.41	627959.97
4-156	36+26.61	56.69' RT	693.90	188713.52	627956.83
4-157	36+31.60	57.07' RT	693.88	188710.38	627960.73
4-158	36+31.98	52.09' RT	693 93	188714.27	627963 87
4-159	36+36.97	52.47' RT	693.90	188711.14	627967.76
4-160	36+36.58	57.45' RT	693.87	188707 24	627964.62
4-161	36+41.57	57.84' RT	693.85	188704.11	627968.52
4-162	36+41.95	52 85' RT	693.86	188708.00	627971.65
4-163	36+46.94	53.23' RT	693.82	188704.86	627975.55
4-164	36+46.55	58.22' RT	693.84	188700.97	627972.41
4-165	36+51.54	58.60' RT	693.82	188697.83	627976.30
4-166	36+51.92	53.61' RT	693.78	188701.73	627979.44
4-167	36+56.91	54.00' RT	693.75	188698.59	627983.33
4-168	36+56.53	58.98' RT	693.81	188694.70	627980.20
4-169	36+62.16	59.41' RT	693.79	188691.15	627984.60
4-170	36+62.54	54.43' RT	693.71	188695.05	627987.73
4-171	36+64.53	54.58' RT	693.68	188693.79	627989.29
4-172	36+64.15	59.57' RT	693.76	188689.90	627986.15

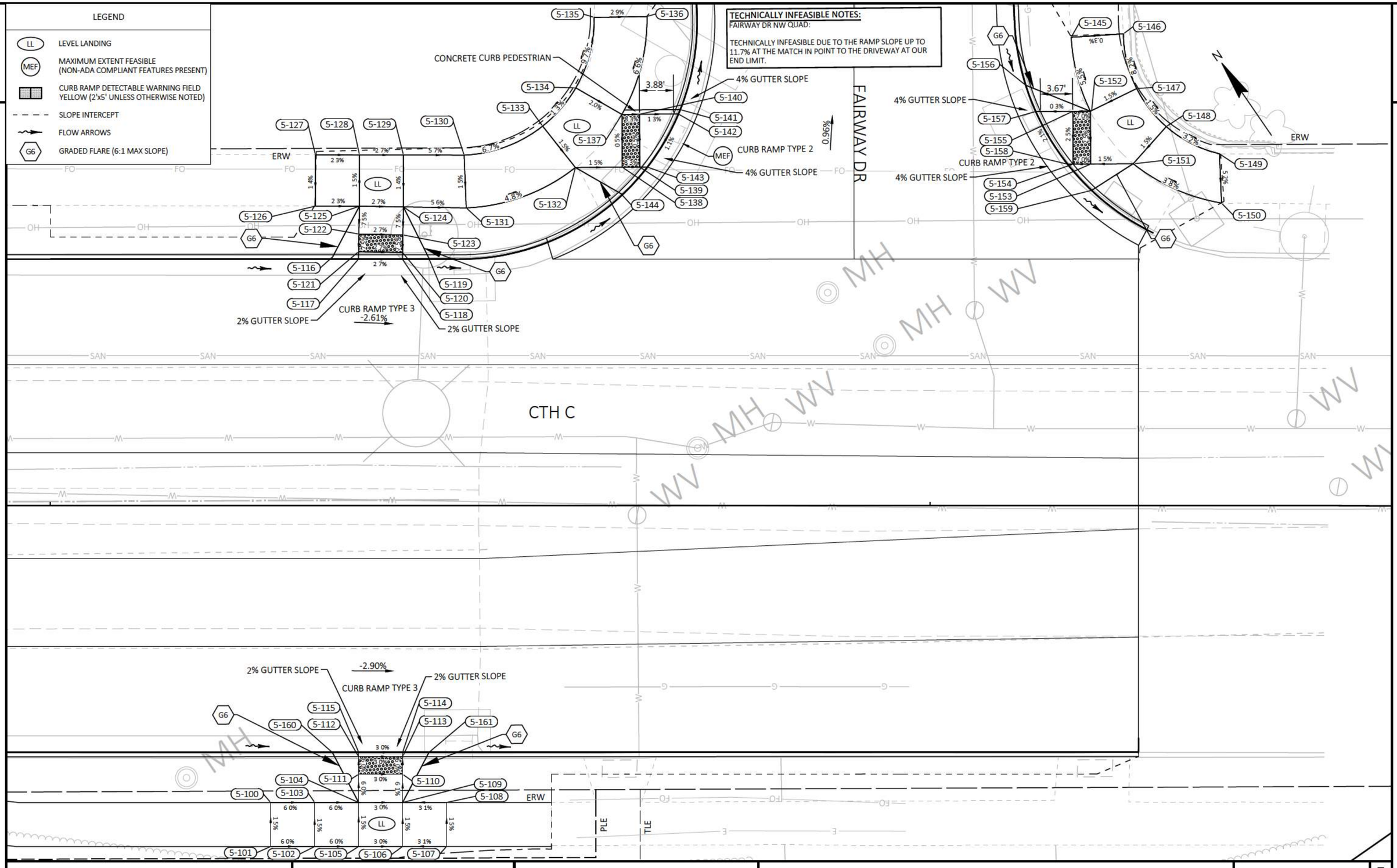
INT 4 - SPRING VALLEY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-173	36+64.77	59.61' RT	693.29	188689.51	627986.64
4-174	36+68.96	54.92' RT	693.16	188691.01	627992.75
4-175	37+19.18	63.01' RT	692.96	188655.91	628029.57
4-176	37+18.72	58.04' RT	692.89	188660.28	628032.01
4-177	37+17.27	58.17' RT	692.87	188660.99	628030.74
4-178	37+17.39	63.18' RT	692.94	188656.79	628028.00
4-179	37+14.48	63.05' RT	692.89	188658.55	628025.67
4-180	37+14.70	58.05' RT	692.83	188662.54	628028.69
4-181	37+08.71	57.78' RT	692.56	188666.16	628023.90
4-182	37+08.48	62.77' RT	692.53	188662.17	628020.89
4-183	36+98.86	62.34' RT	692.38	188667.97	628013.20
4-184	37+03.78	57.56' RT	692.49	188669.13	628019.96
4-185	36+95.37	62.18' RT	692.33	188670.08	628010.41
4-186	36+90.80	64.97' RT	692.65	188670.36	628005.06
4-187	36+94 54	62.14' RT	692.14	188670.58	628009.75
4-188	37+02.68	57.51' RT	692.21	188669.79	628019.08
4-189	37+09.73	54.82' RT	692.97	188668.02	628026.41

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

TECHNICALLY INFEASIBLE NOTES:
FAIRWAY DR NW QUAD:

TECHNICALLY INFEASIBLE DUE TO THE RAMP SLOPE UP TO 11.7% AT THE MATCH IN POINT TO THE DRIVEWAY AT OUR END LIMIT.



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 39	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\021301-CR DWG
LAYOUT NAME - 021309-cr

PLOT DATE : 11/19/2025 3:43 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

LEGEND

- LL — LEVEL LANDING
- MEF — MAXIMUM EXTENT FEASIBLE (NON-ADA COMPLIANT FEATURES PRESENT)
- CURB RAMP DETECTABLE WARNING FIELD YELLOW (2'x5' UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- FLOW ARROWS
- G6 — GRADED FLARE (6:1 MAX SLOPE)

INT 5 - FAIRWAY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-100	43+25.07	33.74' RT	676.60	188337.14	628545.65
5-101	43+25.07	38.74' RT	676.68	188333.01	628542.82
5-102	43+30.07	38.74' RT	676.38	188330.18	628546.95
5-103	43+30.07	33.74' RT	676.31	188334.31	628549.78
5-104	43+35.07	33.73' RT	676.01	188331.48	628553.90
5-105	43+35.07	38.73' RT	676.08	188327.36	628551.07
5-106	43+40.07	38.73' RT	675.93	188324.53	628555.19
5-107	43+45.07	38.73' RT	676.08	188321.70	628559.32
5-108	43+45.07	33.73' RT	676.01	188325.82	628562.15
5-109	43+40.07	33.73' RT	675.86	188328.65	628558.02
5-110	43+40.07	30.53' RT	675.66	188331.30	628559.84
5-111	43+35.07	30.53' RT	675.81	188334.12	628555.71
5-112	43+35.07	28.53' RT	675.69	188335.77	628556.84
5-113	43+40.07	28.53' RT	675.54	188332.94	628560.97
5-114	43+40.07	28.03' RT	675.45	188333.36	628561.25
5-115	43+35.07	28.03' RT	675.61	188336.19	628557.13
5-116	43+32.12	28.28' LT	676.22	188384.28	628586.57
5-117	43+35.04	28.00' LT	675.64	188382.39	628588.82
5-118	43+40.04	28.00' LT	675.51	188379.56	628592.94
5-119	43+42.97	28.28' LT	675.96	188378.14	628595.51
5-120	43+40.06	28.77' LT	675.60	188380.19	628593.38

INT 5 - FAIRWAY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-121	43+35.06	28.86' LT	675.73	188383.09	628589.31
5-122	43+35.10	30.86' LT	675.88	188384.72	628590.48
5-123	43+40.09	30.77' LT	675.75	188381.81	628594.55
5-124	43+40.15	33.95' LT	675.98	188384.40	628596.39
5-125	43+35.15	34.03' LT	676.12	188387.30	628592.32
5-126	43+30.15	34.04' LT	676.24	188390.14	628588.20
5-127	43+30.16	39.86' LT	676.32	188394.93	628591.50
5-128	43+35.16	39.85' LT	676.20	188392.09	628595.62
5-129	43+40.16	39.84' LT	676.07	188389.25	628599.74
5-130	43+47.06	39.83' LT	675.68	188385.34	628605.41
5-131	43+47.30	33.83' LT	675.59	188380.26	628602.22
5-132	43+59.70	38.42' LT	674.94	188377.03	628615.04
5-133	43+55.98	43.13' LT	675.03	188383.01	628614.64
5-134	43+59.75	47.47' LT	674.95	188384.46	628620.21
5-135	43+61.84	55.48' LT	675.77	188389.88	628626.46
5-136	43+67.84	55.58' LT	675.60	188386.57	628631.46
5-137	43+64.99	44.46' LT	674.83	188379.01	628622.82
5-138	43+65.03	38.46' LT	674.86	188374.04	628619.46
5-139	43+67.03	38.47' LT	674.69	188372.92	628621.11
5-140	43+66.99	44.47' LT	674.66	188377.89	628624.47
5-141	43+71.61	45.00' LT	675.10	188375.71	628628.58

INT 5 - FAIRWAY DR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-142	43+71.42	44.50' LT	674.61	188375.41	628628.14
5-143	43+67.90	38.48' LT	674.69	188372.43	628621.83
5-144	43+64.86	35.46' LT	675.27	188371.67	628617.63
5-145	44+16.05	53.22' LT	674.35	188357.34	628669.88
5-146	44+21.98	53.61' LT	674.37	188354.30	628674.98
5-147	44+23.49	47.40' LT	673.84	188348.33	628672.71
5-148	44+26.86	43.07' LT	673.76	188342.85	628673.04
5-149	44+32.90	39.99' LT	673.54	188336.89	628676.27
5-150	44+33.14	34.38' LT	673.25	188332.13	628673.30
5-151	44+23.20	38.85' LT	673.67	188341.45	628667.64
5-152	44+18.37	44.82' LT	673.75	188349.10	628667.03
5-153	44+18.27	38.82' LT	673.60	188344.21	628663.55
5-154	44+16.27	38.81' LT	673.46	188345.33	628661.90
5-155	44+16.23	44.81' LT	673.61	188350.30	628665.26
5-156	44+10.90	47.76' LT	674.20	188355.75	628662.54
5-157	44+12.01	44.78' LT	673.62	188352.66	628661.77
5-158	44+15.64	38.80' LT	673.45	188345.68	628661.38
5-159	44+18.38	35.83' LT	673.90	188341.68	628661.95
5-160	43+32.08	28.04' RT	676.20	188337.87	628554.65
5-161	43+43.06	28.04' RT	675.86	188331.65	628563.71

2

2

N

SI

EXISTING R/W

SS

MH

CTH C

N OHIO ST

MATCH LINE 16+00

NOTE:
ALL DISTURBED AREAS BEHIND THE BACK OF SIDEWALK SHOULD BE TREATED WITH TOPSOIL, FERTILIZER, SEED, AND E-MAT.

LEGEND

- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE B
- SILT FENCE
- A — INLET PROTECTION TYPE A
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- SURFACE WATER FLOW

PROJECT NO: 2390-09-03	HWY: CTH C	COUNTY: RACINE	EROSION CONTROL	SHEET 41	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\022001-EC DWG
LAYOUT NAME - 01

PLOT DATE : 11/25/2025 6:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

SI

MATCH LINE 16+00

MATCH LINE 22+00

CTH C

N ILLINOIS ST

NOTE:
ALL DISTURBED AREAS BEHIND THE BACK OF SIDEWALK SHOULD BE TREATED WITH TOPSOIL, FERTILIZER, SEED, AND E-MAT.

LEGEND

- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE B
- SILT FENCE
- A — INLET PROTECTION TYPE A
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- SURFACE WATER FLOW

PROJECT NO: 2390-09-03	HWY: CTH C	COUNTY: RACINE	EROSION CONTROL	SHEET 42	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\022001-EC DWG
LAYOUT NAME - 02

PLOT DATE : 11/25/2025 6:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 22+00

MATCH LINE 28+00

EXISTING R/W

EXISTING R/W

SI

CTH C

N INDIANA ST

NOTE:
ALL DISTURBED AREAS BEHIND THE BACK OF SIDEWALK SHOULD BE TREATED WITH TOPSOIL, FERTILIZER, SEED, AND E-MAT.

LEGEND

- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE B
- SILT FENCE
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- SURFACE WATER FLOW

PROJECT NO: 2390-09-03	HWY: CTH C	COUNTY: RACINE	EROSION CONTROL	SHEET E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\022001-EC DWG
LAYOUT NAME - 03

PLOT DATE : 11/25/2025 6:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MEADOWBROOK BLVD

SI

EXISTING R/W

CTH C

29

30

31

MATCH LINE 28+00

MATCH LINE 34+00.03

EXISTING R/W

SI

NOTE:
ALL DISTURBED AREAS BEHIND THE BACK OF SIDEWALK SHOULD BE TREATED WITH TOPSOIL, FERTILIZER, SEED, AND E-MAT.

LEGEND

- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE B
- SILT FENCE
- A — INLET PROTECTION TYPE A
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- SURFACE WATER FLOW

PROJECT NO: 2390-09-03	HWY: CTH C	COUNTY: RACINE	EROSION CONTROL	SHEET 44	E

2

2

MATCH LINE 34+00.03

MATCH LINE 40+00.03

SPRING VALLEY DR

EXISTING R/W

SI

PLE

TLE

CTH C

SS

MH

A

C

NOTE:
ALL DISTURBED AREAS BEHIND THE BACK OF SIDEWALK SHOULD BE TREATED WITH TOPSOIL, FERTILIZER, SEED, AND E-MAT.

LEGEND

- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE B
- SILT FENCE
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- SURFACE WATER FLOW

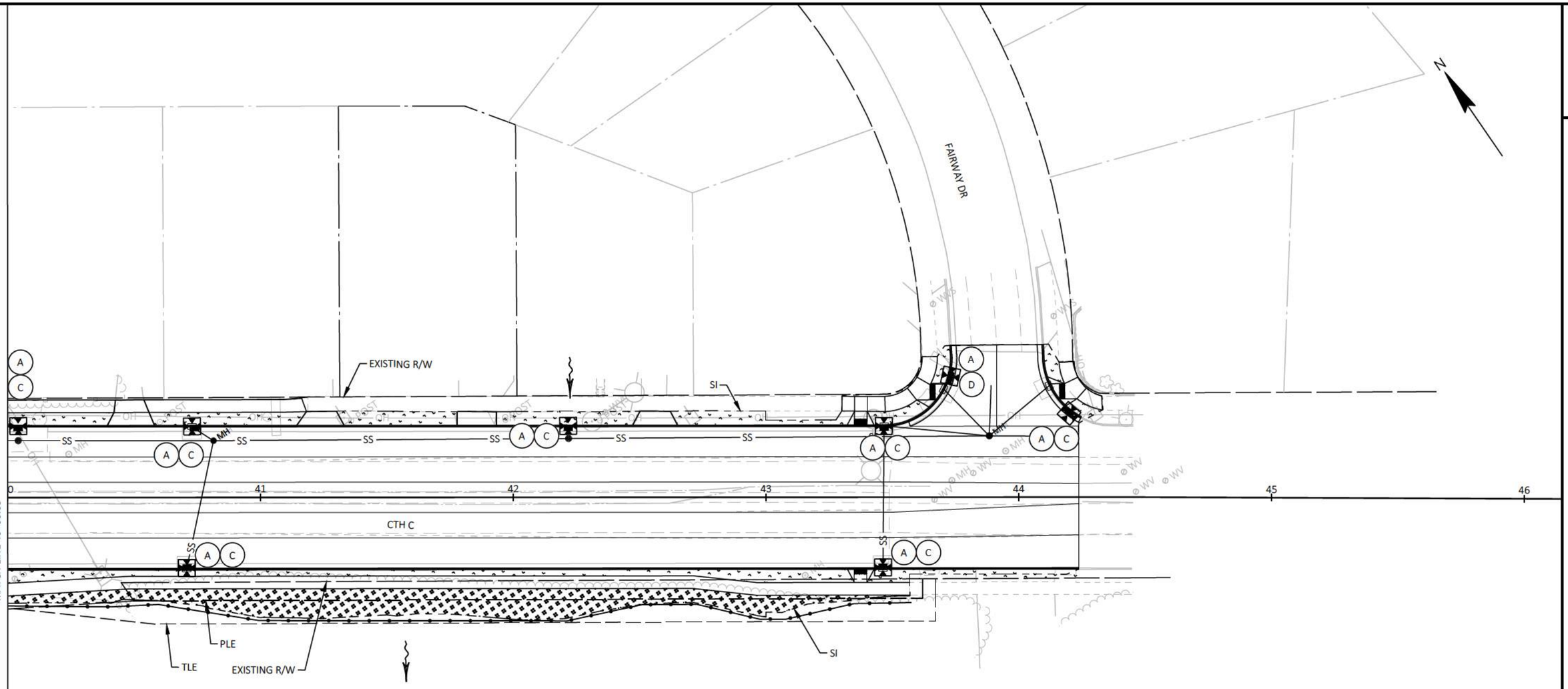
PROJECT NO: 2390-09-03	HWY: CTH C	COUNTY: RACINE	EROSION CONTROL	SHEET 45	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\022001-EC DWG
LAYOUT NAME - 05

PLOT DATE : 11/25/2025 6:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTE:
ALL DISTURBED AREAS BEHIND THE BACK OF SIDEWALK SHOULD BE TREATED WITH TOPSOIL, FERTILIZER, SEED, AND E-MAT.

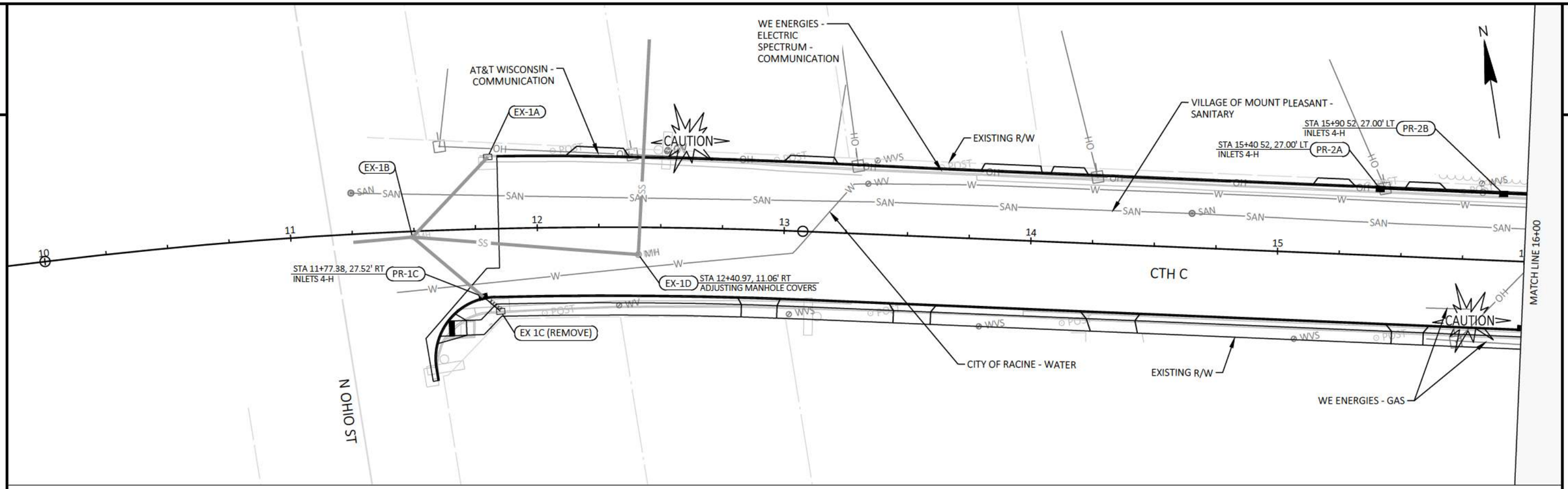
LEGEND

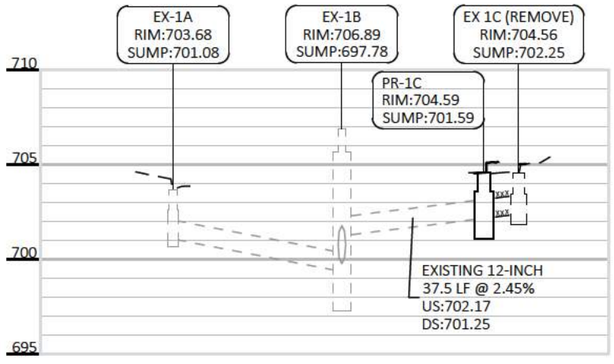
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE B
- SILT FENCE
- A — INLET PROTECTION TYPE A
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- SURFACE WATER FLOW

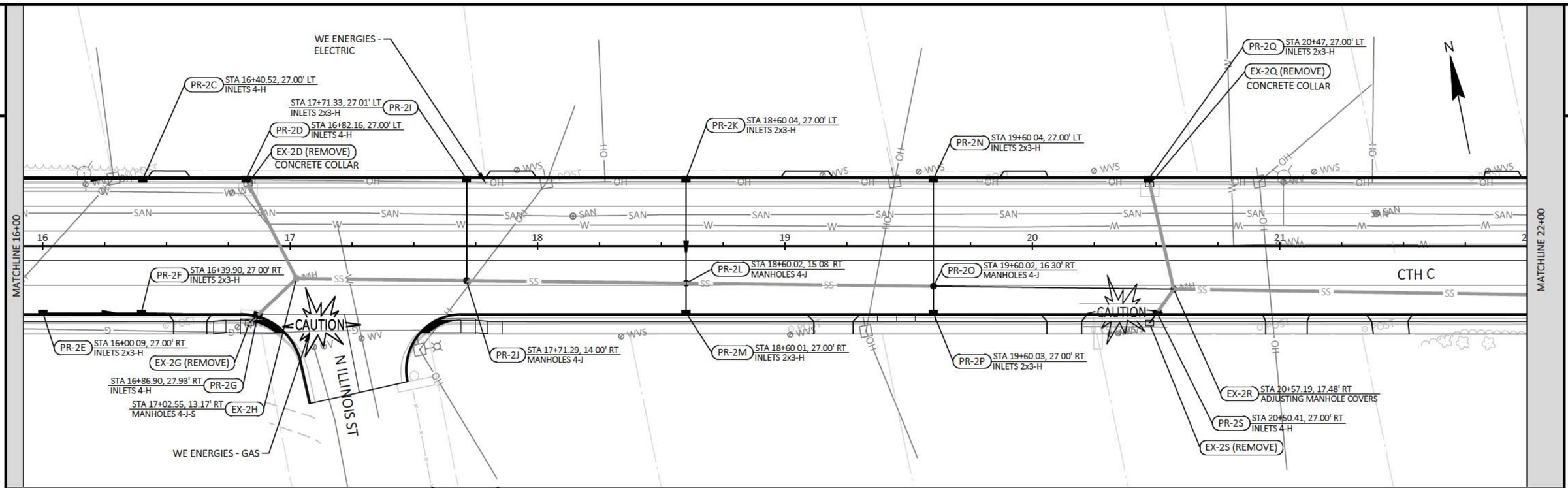
PROJECT NO: 2390-09-03	HWY: CTH C	COUNTY: RACINE	EROSION CONTROL	SHEET 46	E

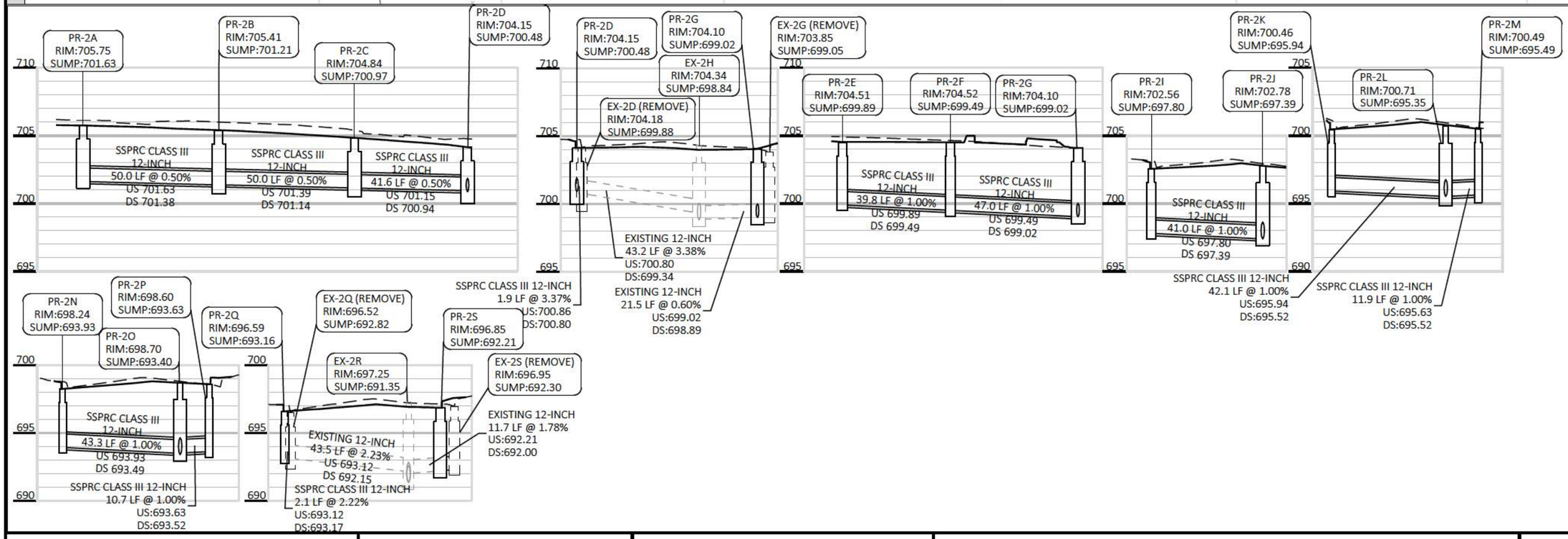
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\022001-EC DWG
LAYOUT NAME - 06

PLOT DATE : 11/25/2025 6:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT


WE ENERGIES - ELECTRIC SPECTRUM - COMMUNICATION
AT&T WISCONSIN - COMMUNICATION
EX-1A
EX-1B
CAUTION
EXISTING R/W
VILLAGE OF MOUNT PLEASANT - SANITARY
STA 15+90 52, 27.00' LT
INLETS 4-H
PR-2B
STA 15+40 52, 27.00' LT
INLETS 4-H
PR-2A
N
STA 11+77.38, 27.52' RT
INLETS 4-H
PR-1C
EX-1D
STA 12+40.97, 11.06' RT
ADJUSTING MANHOLE COVERS
EX 1C (REMOVE)
CTH C
CITY OF RACINE - WATER
EXISTING R/W
CAUTION
WE ENERGIES - GAS
MATCH LINE 16+00
N OHIO ST

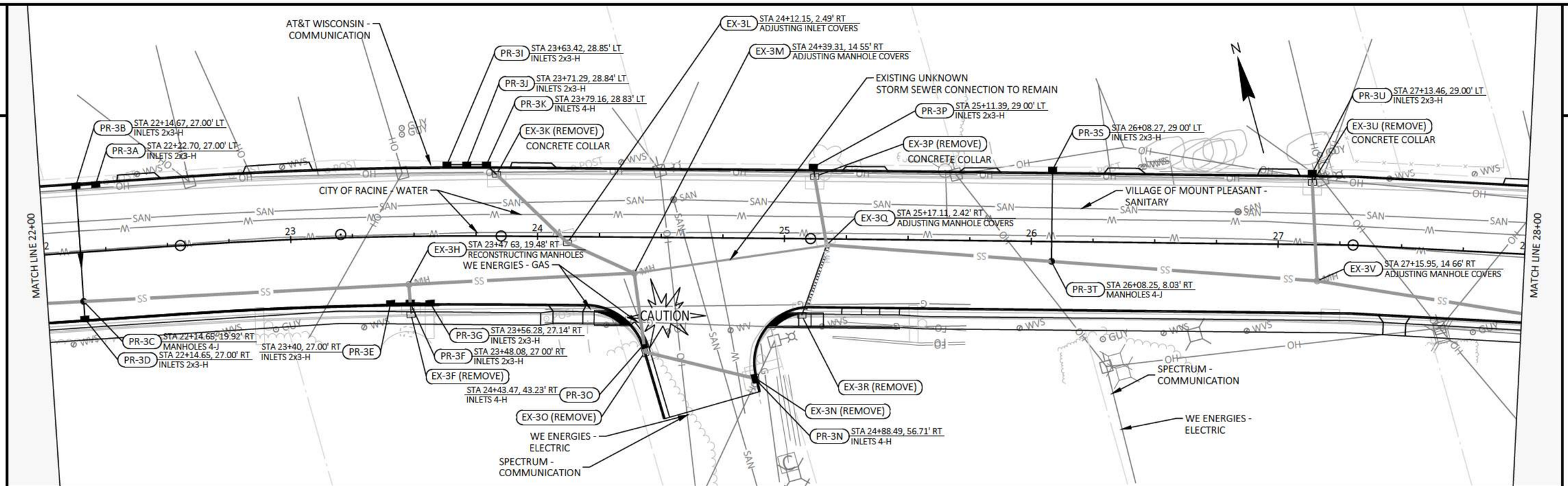

EX-1A
RIM:703.68
SUMP:701.08
EX-1B
RIM:706.89
SUMP:697.78
EX 1C (REMOVE)
RIM:704.56
SUMP:702.25
PR-1C
RIM:704.59
SUMP:701.59
710
705
700
695
EXISTING 12-INCH
37.5 LF @ 2.45%
US:702.17
DS:701.25

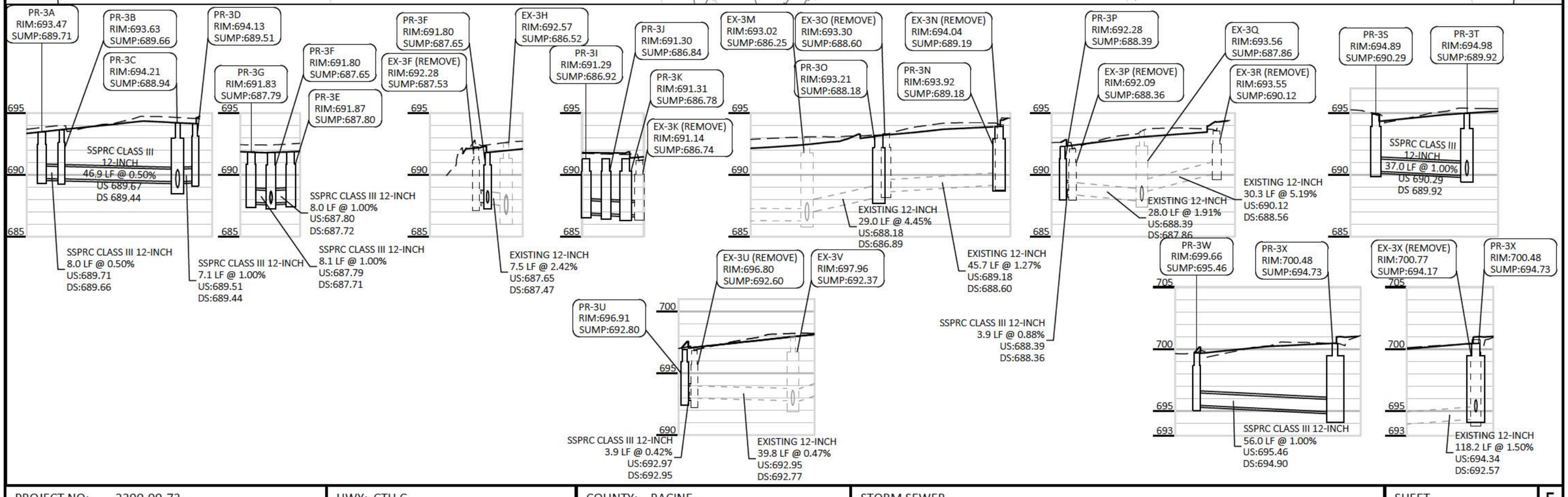




PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	STORM SEWER	SHEET 48	E

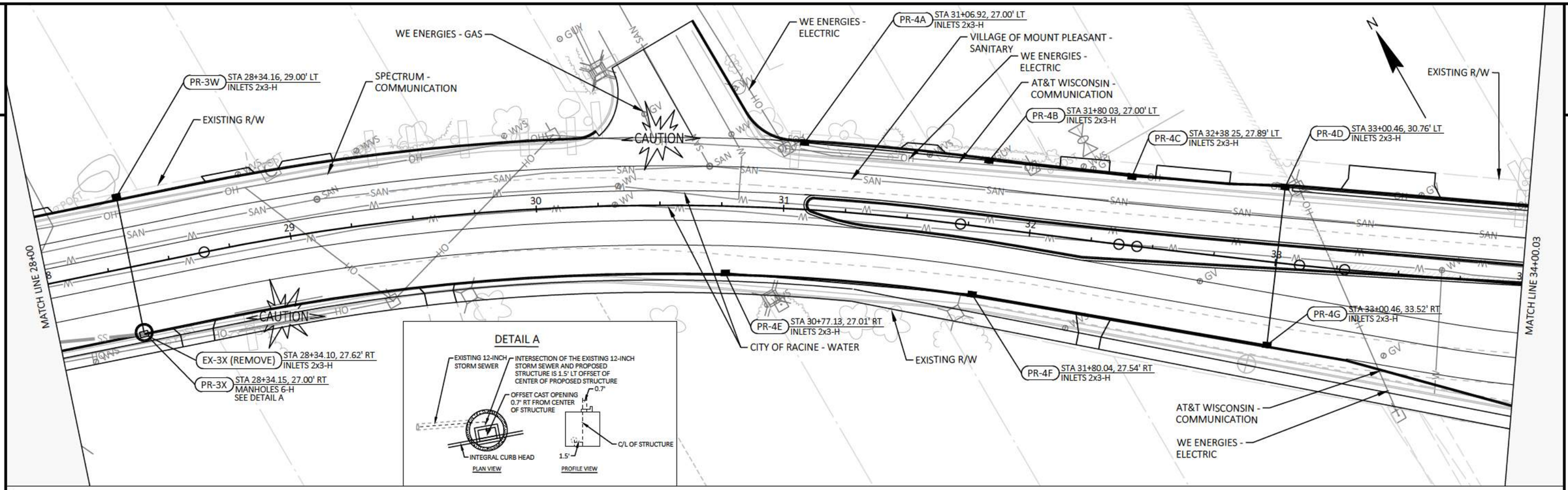
2

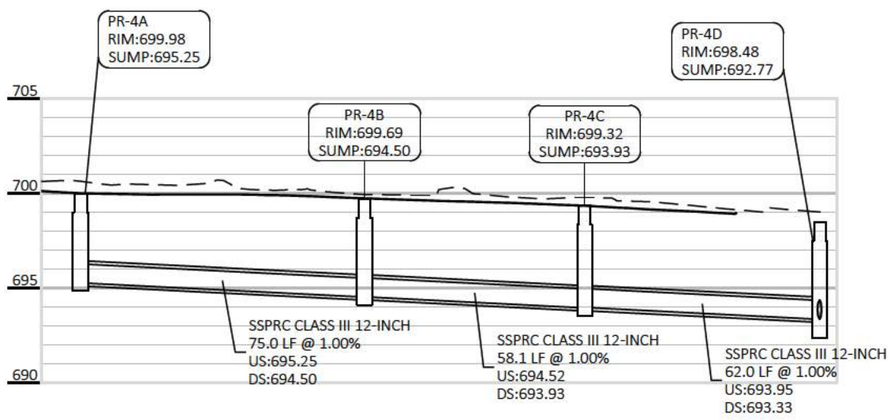


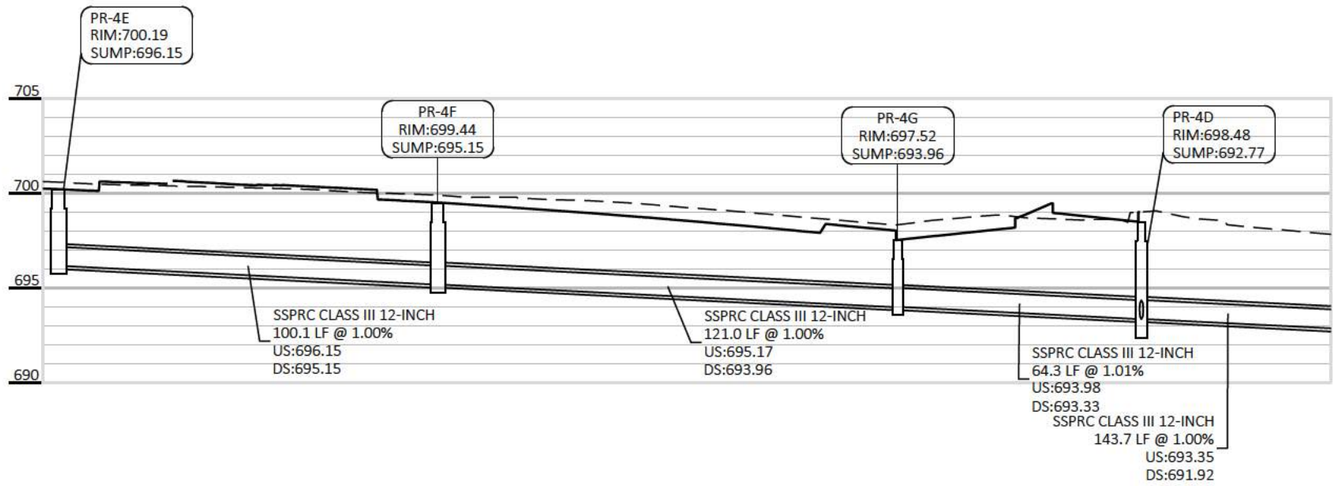


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	STORM SEWER	SHEET 49	E

2







PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	STORM SEWER	SHEET 50	E

2

MATCH LINE 34+00.03

MATCH LINE 40+00

EXISTING R/W

WE ENERGIES - GAS

CAUTION

EX-5D STA 35+50.89, 22 66' LT ADJUSTING MANHOLE COVERS

PR-5E STA 35+79.29, 30.00' LT INLETS 4-H

PR-5F STA 35+87.31, 30 00' LT INLETS 2x3-H

AT&T WISCONSIN - COMMUNICATION

PR-5G STA 36+75.97, 30.00' LT INLETS 2x3-H

PR-5H STA 36+75.97, 26.41' LT MANHOLES 3-J

VILLAGE OF MOUNT PLEASANT - SANITARY

EX-5J (REMOVE)

PR-5J STA 37+48.56, 29.37' LT INLETS 2x3-H

EX-5K STA 37+50.02, 22 66' LT ADJUSTING MANHOLE COVERS

WE ENERGIES - ELECTRIC

SPECTRUM - COMMUNICATION

PR-5A STA 34+45.19, 33 52' LT INLETS 4-H

PR-5I STA 36+76 03, 1.01' LT INLETS 2x3-H

STA 39+26.45, 27 50' LT INLETS 2x3-H

PR-5M

PR-5N STA 39+26.45, 22 56' LT MANHOLES 4-J

CTH C

CITY OF RACINE - WATER

PR-5C STA 34+79.91, 11.40' RT INLETS 4-H

CTH C

PR-5O STA 39+26 52, 31.71' RT INLETS 2x3-H

PR-5B STA 34+58.19, 52 00' RT INLETS 4-H

ATT TRANSMISSION - TCG FIBER OPTIC

AT&T WISCONSIN - COMMUNICATION

WE ENERGIES - GAS

EX-5L (REMOVE)

TLE

EXISTING R/W

PLE

PR-5L STA 37+46.78, 49.69' RT INLETS 2x3-H

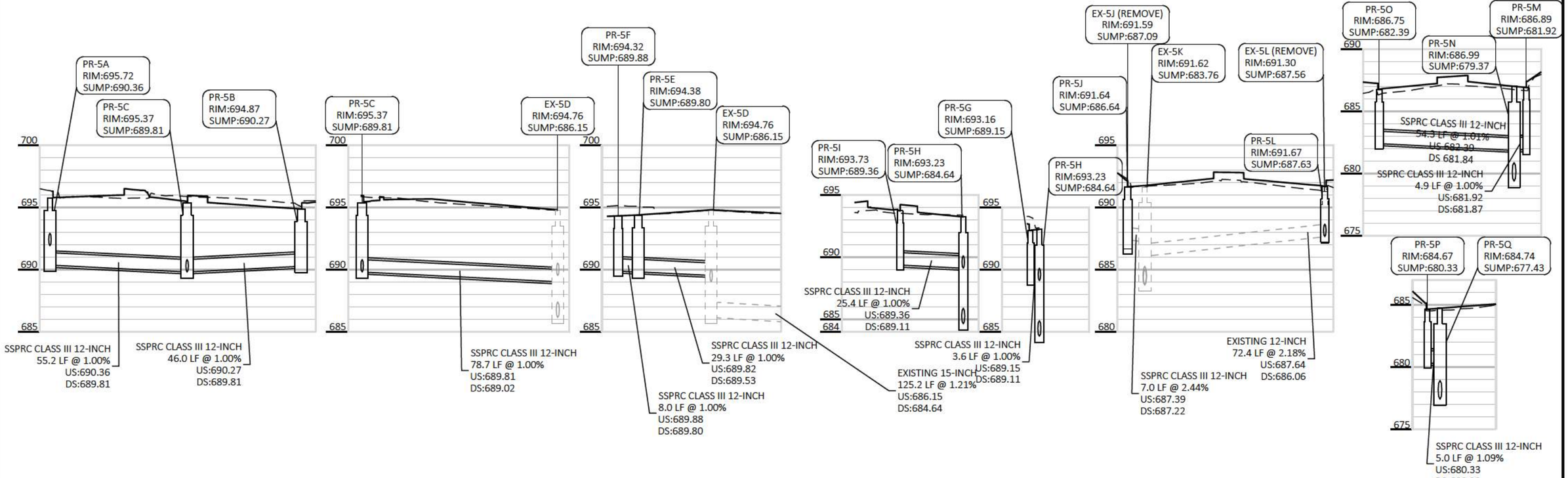
WE ENERGIES - ELECTRIC

TLE

PLE

AT&T WISCONSIN - COMMUNICATION

SPECTRUM - COMMUNICATION



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	STORM SEWER	SHEET 51	E

2

MATCH LINE 40+00

PR-5P STA 40+04.23, 27 50' LT INLETS 2x3-H

PR-5Q STA 40+04.23, 22 51' LT MANHOLES 4-J

EX-6A (REMOVE)

PR-6A STA 40+73.98, 27 50' LT INLETS 2x3-H

EX-6B STA 40+81.46, 22.46' LT ADJUSTING MANHOLE COVERS

SPECTRUM - COMMUNICATION

EXISTING R/W

WE ENERGIES - ELECTRIC

PR-6D STA 42+21.82, 27 50' LT INLETS 2x3-H

PR-6E STA 42+21.92, 23.26' LT MANHOLES 4-J

AT&T WISCONSIN - COMMUNICATION

PR-6G STA 43+46.79, 27.50' LT INLETS 4-H

EX-6G (REMOVE)

EX-6H (REMOVE)

WE ENERGIES - GAS

PR-6H STA 43+73 06, 47.73' LT INLETS 4-H

EX-6I (REMOVE)

PR-6J STA 43+88.38, 24 20' LT MANHOLES 6-J

PR-6I STA 44+20.21, 33.43' LT INLETS 4-H

EX-6J (REMOVE)

REPLACE 8 LF STORM SEWER FROM EVERY CONNECTION

CTH C

WE ENERGIES - GAS

CAUTION

AT&T WISCONSIN - COMMUNICATION

WE ENERGIES - ELECTRIC

EXISTING R/W

PR-6C STA 40+71.01, 27 63' RT INLETS 2x3-H

EX-6C (REMOVE) CONCRETE COLLAR

TLE

PLE

CITY OF RACINE - WATER

PR-6F STA 43+46 32, 27.52' RT INLETS 2x3-H

EX-6F (REMOVE)

PR-6A
RIM:682.76
SUMP:677.69

EX-6A (REMOVE)
RIM:682.46
SUMP:677.46

EX-6B
RIM:682.41
SUMP:675.51

PR-6C
RIM:682.73
SUMP:678.26

EX-6C (REMOVE)
RIM:682.38
SUMP:678.28

SSPRC CLASS III 12-INCH
51.2 LF @ 1.48%
US:678.27
DS:677.51

SSPRC CLASS III 12-INCH
9.0 LF @ 2.12%
US:677.70
DS:677.51

PR-6G
RIM:675.28
SUMP:668.96

EX-6G (REMOVE)
RIM:675.08
SUMP:671.78

PR-6F
RIM:675.28
SUMP:672.32

EX-6F (REMOVE)
RIM:675.39
SUMP:672.49

SSPRC CLASS III 12-INCH
55.3 LF @ 0.74%
US:672.49
DS:672.08

PR-6D
RIM:678.69
SUMP:674.41

PR-6E
RIM:678.77
SUMP:671.53

SSPRC CLASS III 12-INCH
4.2 LF @ 1.00%
US:674.41
DS:674.36

EX-6G (REMOVE)
RIM:675.08
SUMP:671.78

PR-6G
RIM:675.28
SUMP:668.96

PR-6J
RIM:674.46
SUMP:664.20

PR-6I
RIM:673.26
SUMP:669.12

SSPRC CLASS III 12-INCH
41.7 LF @ 1.00%
US:668.96
DS:668.55

SSPRC CLASS III 12-INCH
33.1 LF @ 1.99%
US:669.13
DS:668.47

PR-6H
RIM:674.62
SUMP:667.96

PR-6J
RIM:674.46
SUMP:664.20

SSPRC CLASS III 12-INCH
28.1 LF @ 1.00%
US:669.35
DS:669.07

PR-6J
RIM:674.46
SUMP:664.20

EXISTING 18 INCH
166.5 LF @ 2.83%
US 671.53
DS 666.82

EXISTING 24-INCH
28.2 LF @ 13.18%
US:664.67
DS:660.99

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	STORM SEWER	SHEET 52	E

2

2

N

1-1
REMOVE

1-2
NO PARKING
MOVE

1-3
SPEED LIMIT 35
REMOVE

BEGIN PROJECT
STA 11+84.31

10

15

CTH C

MATCH LINE 16+00

N OHIO ST

1-4
MOVE

1-5
REMOVE
STOP
SCHOOL BUS FLASHING RED LIGHTS

1-6
NO PARKING
MOVE

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

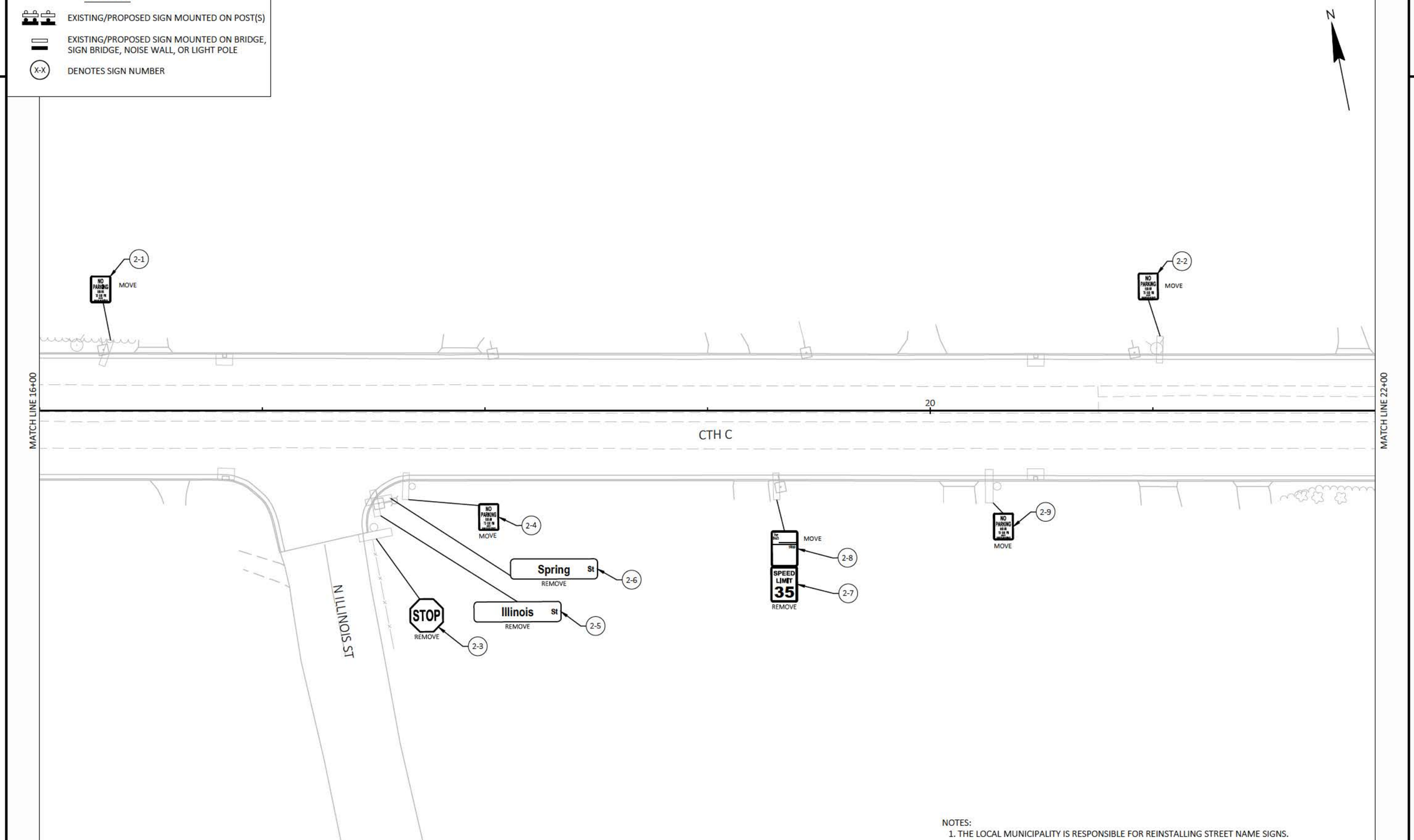
X-X DENOTES SIGN NUMBER

NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	EXISTING SIGNING	SHEET 53	E

LEGEND

- EXISTING/PROPOSED SIGN MOUNTED ON POST(S)
- EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE
- (X-X) DENOTES SIGN NUMBER



NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	EXISTING SIGNING	SHEET 54	E

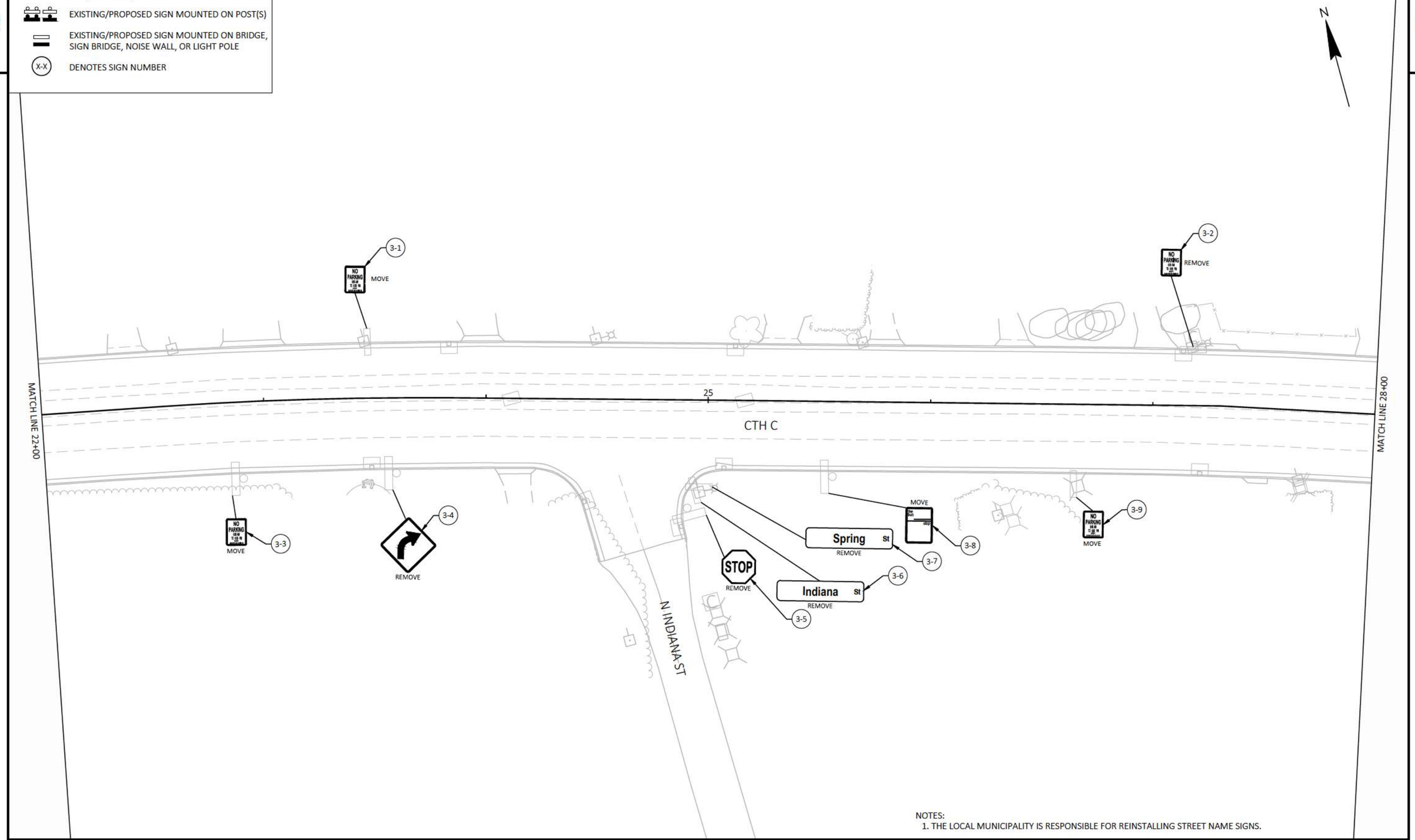
2

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

X-X DENOTES SIGN NUMBER



NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	EXISTING SIGNING	SHEET 55	E

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

X-X DENOTES SIGN NUMBER

MEADOWBROOK BLVD

4-1 REMOVE

4-2 REMOVE

4-3 REMOVE

4-4 MOVE

4-5 REMOVE

4-6 Meadowbrook Blvd REMOVE

4-7 REMOVE

4-8 STOP REMOVE

4-9 SPEED LIMIT 35 REMOVE

4-10 MOVE

4-11 MOVE

30

CTH C

MATCH LINE 28+00

MATCH LINE 34+00

4-12 REMOVE

4-13 REMOVE

4-14 MOVE

NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	EXISTING SIGNING	SHEET 56	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\023201-PS DWG
LAYOUT NAME - 023201-04

PLOT DATE : 11/25/2025 6:53 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

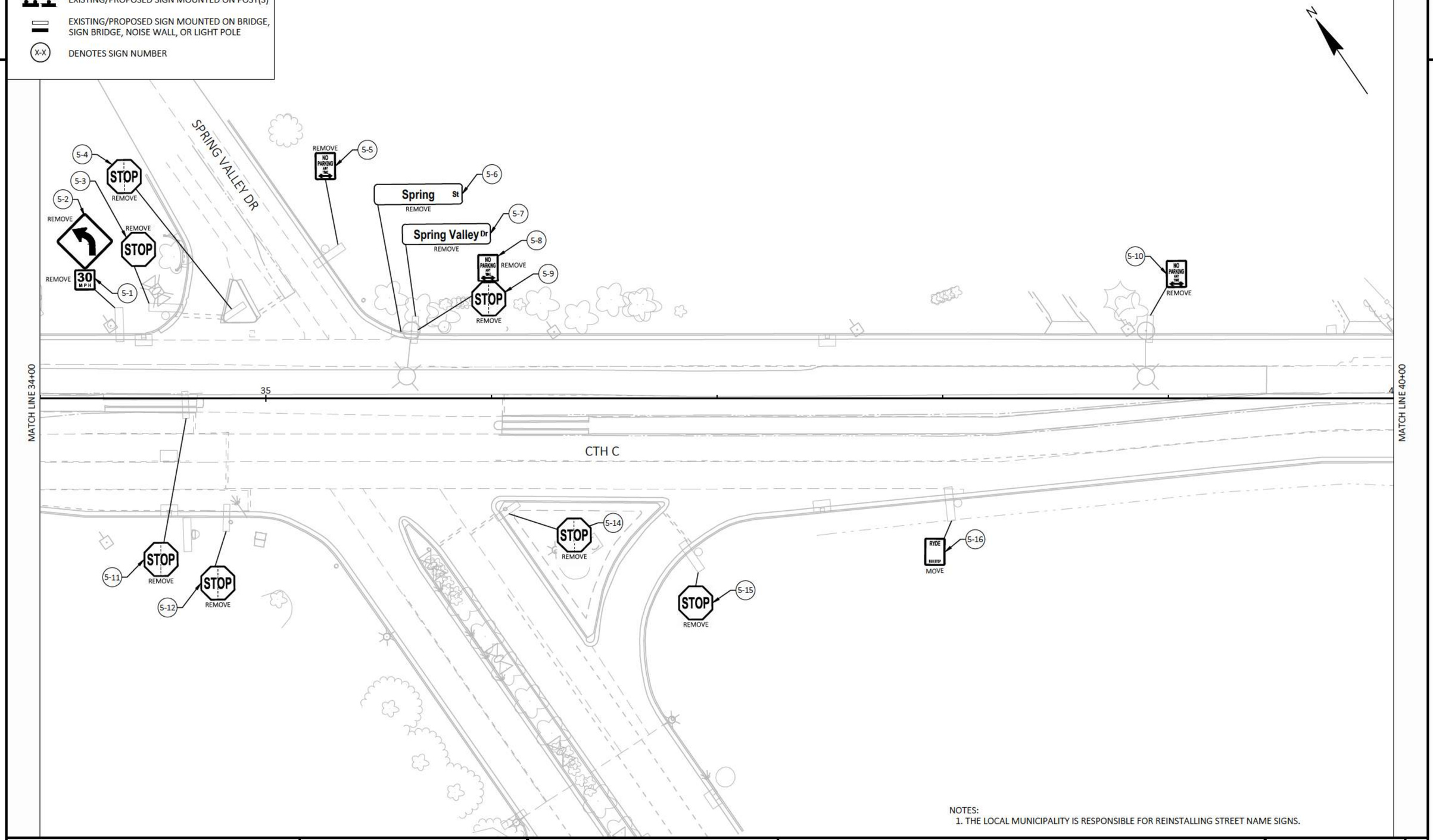
2

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

(X-X) DENOTES SIGN NUMBER



NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	EXISTING SIGNING	SHEET 57	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\023201-PS DWG
LAYOUT NAME - 023201-05

PLOT DATE : 11/25/2025 6:53 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

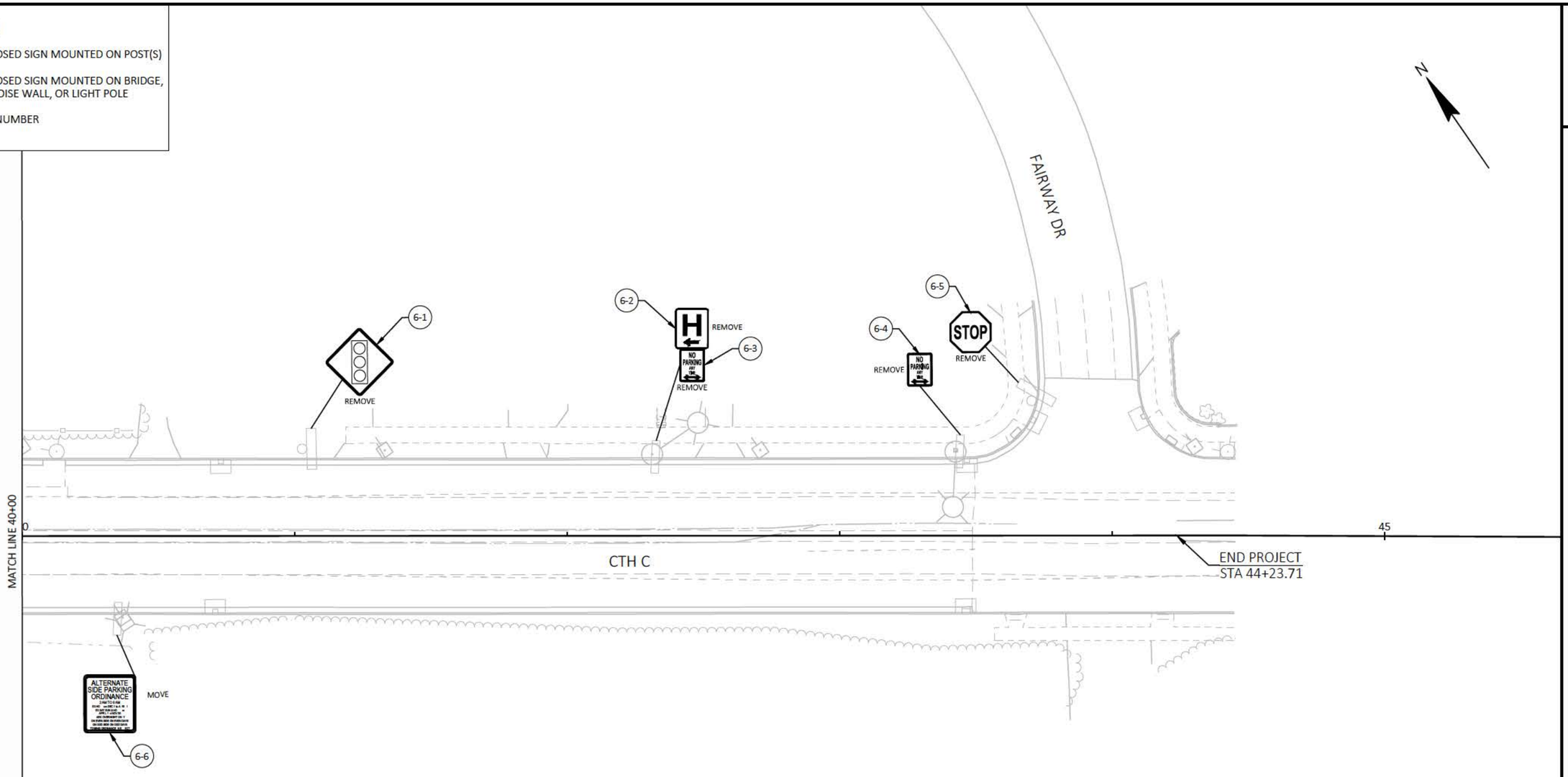
2

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

X-X DENOTES SIGN NUMBER



NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	EXISTING SIGNING	SHEET 58	E

2

2

N

1-1
W3-3
30"X30"

1-2
ONLY ONLY
R3-8LA
36"X30"

1-3
CENTER LANE
ONLY
END
R3-9B
24"X36"
R3-9D
24"X6"

1-4

1-5
NO PARKING
R7-2 MOD
MOVE

1-6
SPEED LIMIT
35
R2-1
24"X30"

EXISTING R/W

BEGIN PROJECT
STA 11+84.31

10 11 12 13 14 15

CTH C

MATCH LINE 16+00

EXISTING R/W

1-7
R7-2 MOD
MOVE

1-9
R59-51
36"X36"
STOP
SCHOOL BUS
FLASHING
RED LIGHTS

1-8
NO PARKING
R7-2 MOD
MOVE

1-10
CENTER LANE
ONLY
BEGIN
R3-9B
24"X36"
R3-9C
24"X6"

1-11

N OHIO ST

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

X-X DENOTES SIGN NUMBER

NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PROPOSED SIGNING	SHEET 59	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\023202-PS DWG
LAYOUT NAME - 023201-01

PLOT DATE : 11/25/2025 7:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

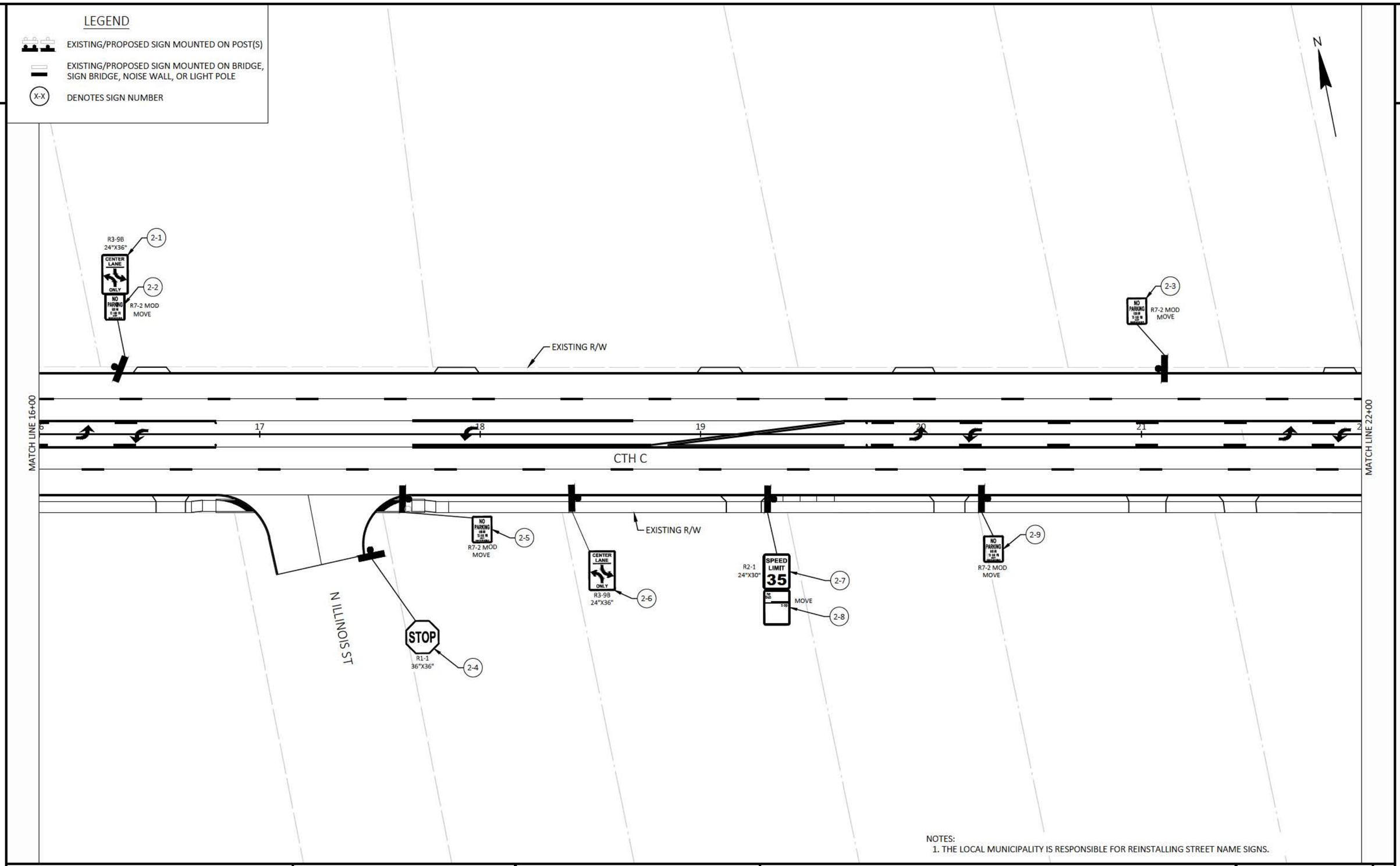
2

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

(X-X) DENOTES SIGN NUMBER



NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PROPOSED SIGNING	SHEET	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\023202-PS DWG
LAYOUT NAME - 023201-02

PLOT DATE : 11/25/2025 7:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

X-X DENOTES SIGN NUMBER

N

MATCH LINE 22+00

MATCH LINE 28+00

CTH C

EXISTING R/W

3-1 CENTER LANE ONLY R3-9B 24"X36"

3-2 NO PARKING R7-2 MOD MOVE

3-3 NO PARKING R7-2 MOD MOVE

3-4 W1-2R 30"X30"

3-5 STOP R1-1 36"X36"

3-6 MOVE

3-7 CENTER LANE ONLY R3-9B 24"X36"

3-8 NO PARKING R7-2 MOD MOVE

N INDIANA ST

EXISTING R/W

NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PROPOSED SIGNING	SHEET 61 E

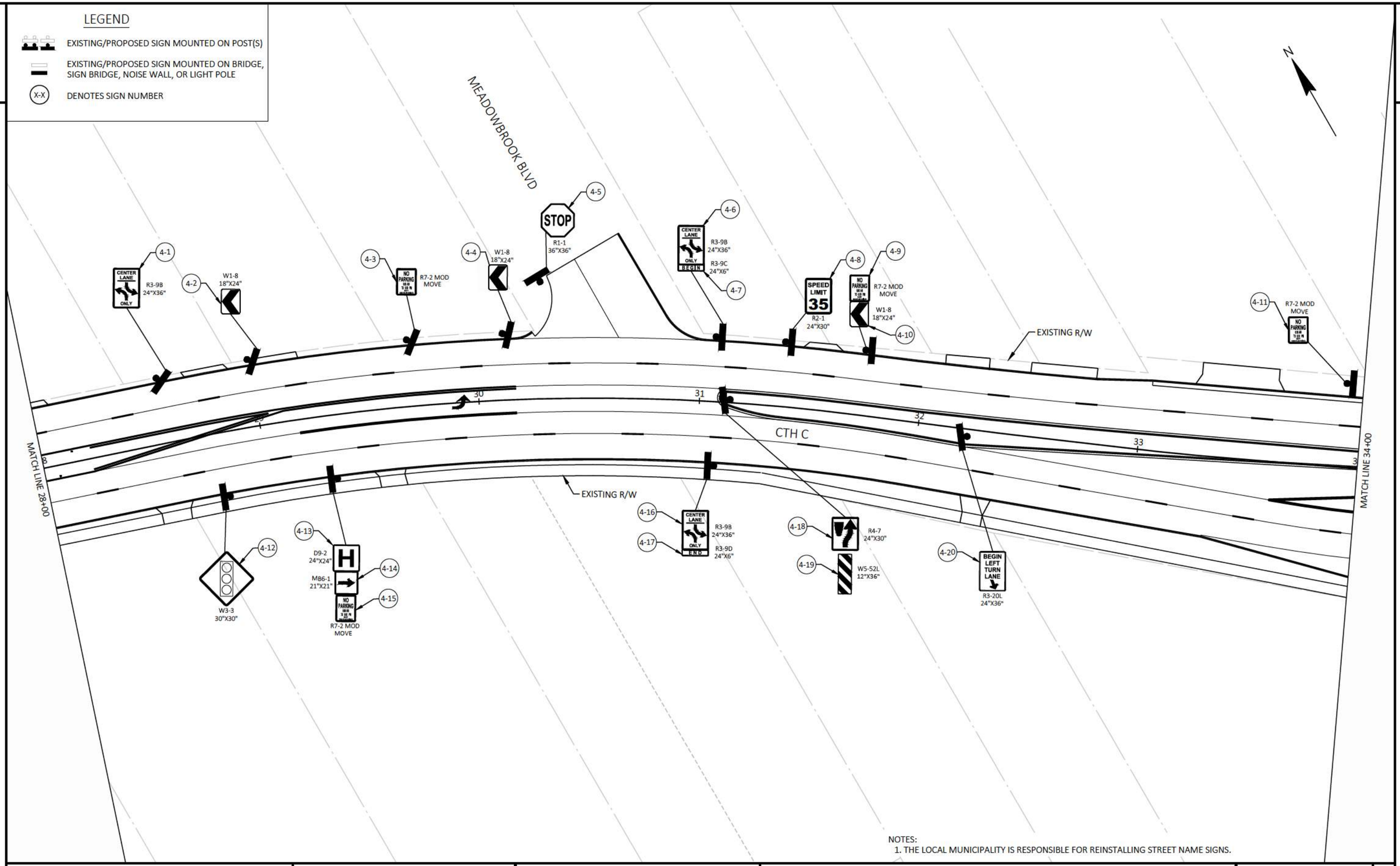
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\023202-PS DWG
LAYOUT NAME - 023201-03

PLOT DATE : 11/25/2025 7:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING/PROPOSED SIGN MOUNTED ON POST(S)
- EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE
- (X-X) DENOTES SIGN NUMBER



NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PROPOSED SIGNING	SHEET	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\023202-PS DWG
LAYOUT NAME - 023201-04

PLOT DATE : 11/25/2025 7:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

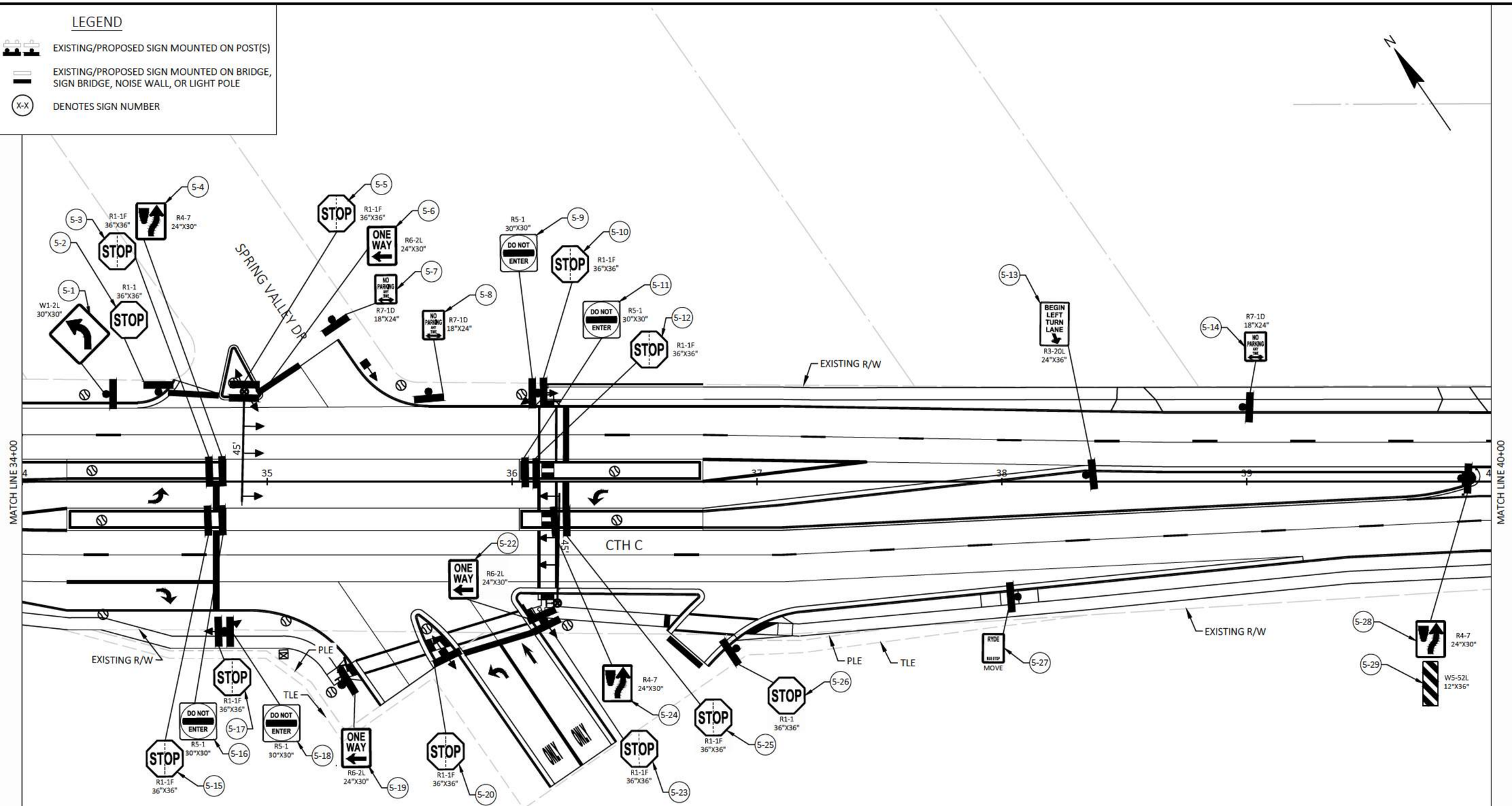
2

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

X-X DENOTES SIGN NUMBER



NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PROPOSED SIGNING	SHEET	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\023202-PS DWG
LAYOUT NAME - 023201-05

PLOT DATE : 11/25/2025 7:03 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING/PROPOSED SIGN MOUNTED ON POST(S)

EXISTING/PROPOSED SIGN MOUNTED ON BRIDGE, SIGN BRIDGE, NOISE WALL, OR LIGHT POLE

X-X DENOTES SIGN NUMBER

N

FAIRWAY DR

6-1 W3-3 30"X30"

6-2 R3-9B 24"X36" CENTER LANE ONLY

6-3 D9-2 24"X24" H

6-4 MB6-1 21"X21"

6-5 R7-1D 18"X24" NO PARKING

6-6 R7-1D 18"X24" NO PARKING

6-7 R1-1 36"X36" STOP

EXISTING R/W

END PROJECT STA 44+23.71

MATCH LINE 40+00

40 41 42 43 44 45

CTH C

6-8 R3-9B 24"X36" CENTER LANE ONLY

6-9 R7-MOD MOVE ALTERNATE SIDE PARKING ORDINANCE

PLE

TLE

6-10 R3-8xxx 54"X30" ONLY ONLY ONLY

EXISTING R/W

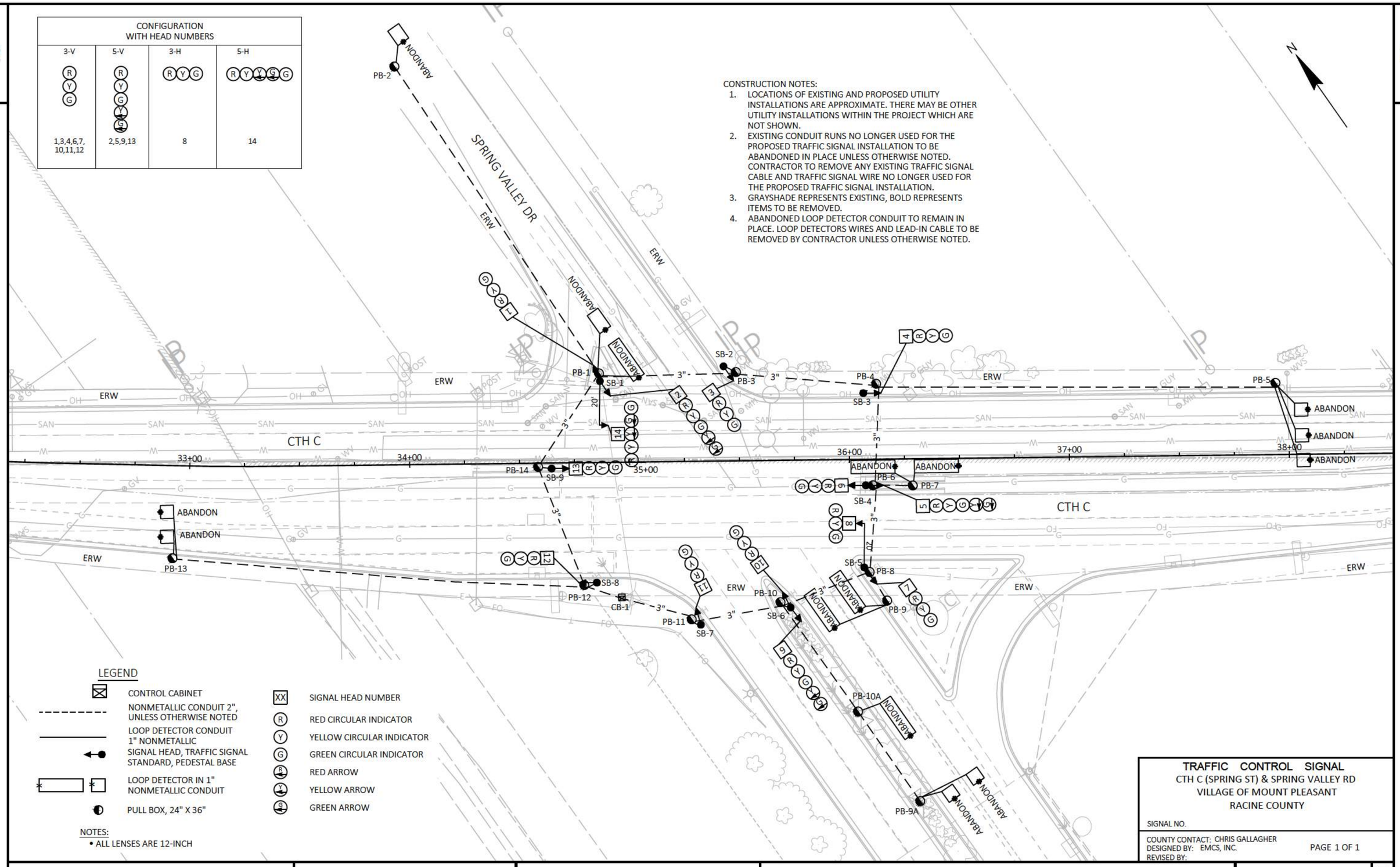
NOTES:
1. THE LOCAL MUNICIPALITY IS RESPONSIBLE FOR REINSTALLING STREET NAME SIGNS.

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PROPOSED SIGNING	SHEET 64	E

CONFIGURATION WITH HEAD NUMBERS			
3-V	5-V	3-H	5-H
R Y G	R Y G Y G	R Y G	R Y Y G G
1,3,4,6,7, 10,11,12	2,5,9,13	8	14

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. EXISTING CONDUIT RUNS NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION TO BE ABANDONED IN PLACE UNLESS OTHERWISE NOTED. CONTRACTOR TO REMOVE ANY EXISTING TRAFFIC SIGNAL CABLE AND TRAFFIC SIGNAL WIRE NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION.
3. GRAYSHADE REPRESENTS EXISTING, BOLD REPRESENTS ITEMS TO BE REMOVED.
4. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTORS WIRES AND LEAD-IN CABLE TO BE REMOVED BY CONTRACTOR UNLESS OTHERWISE NOTED.



TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL	SHEET 65	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024001-SR DWG
LAYOUT NAME - 024001

PLOT DATE : 11/17/2025 4:07 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

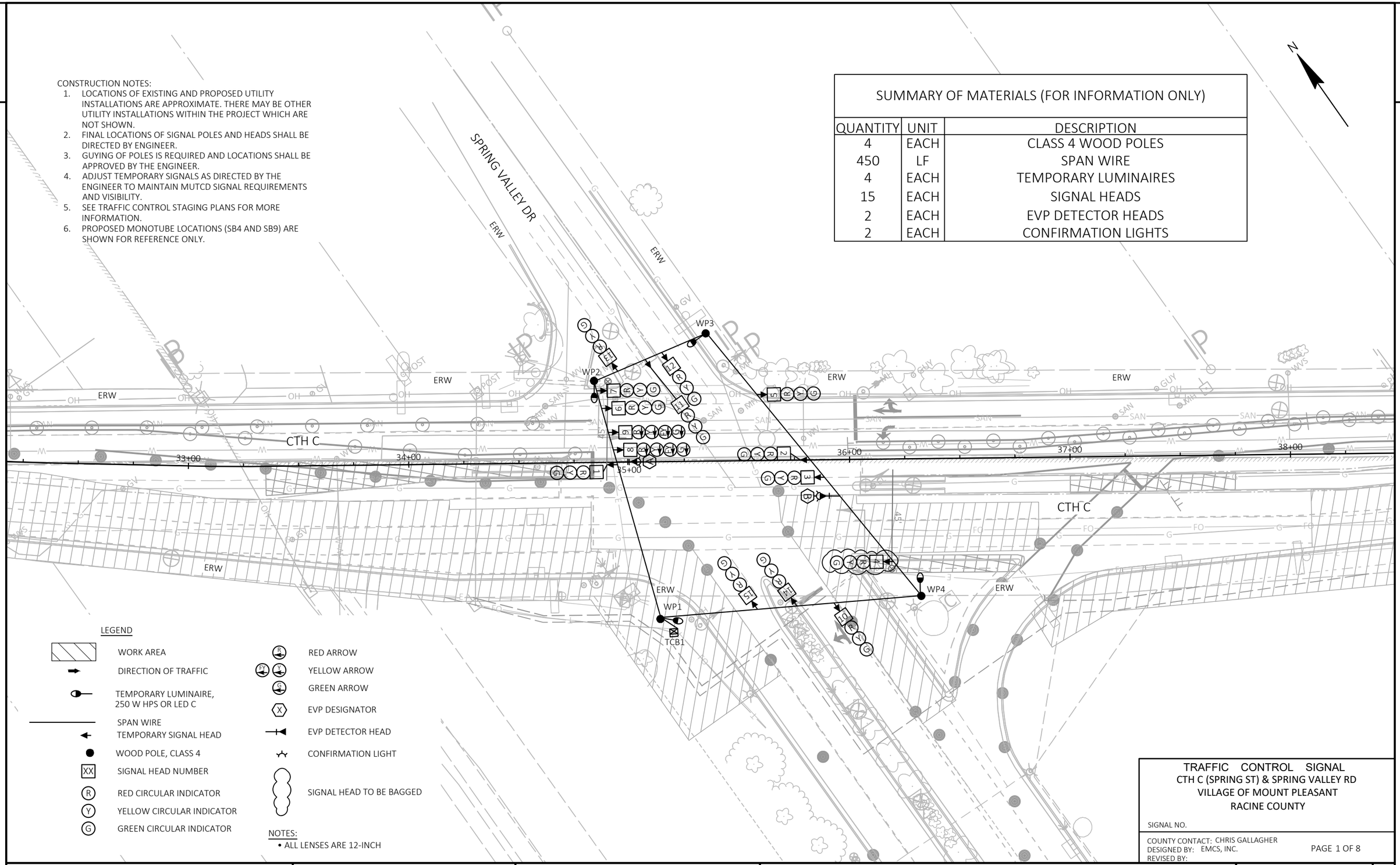
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATIONS OF SIGNAL POLES AND HEADS SHALL BE DIRECTED BY ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS AND VISIBILITY.
5. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
6. PROPOSED MONOTUBE LOCATIONS (SB4 AND SB9) ARE SHOWN FOR REFERENCE ONLY.

SUMMARY OF MATERIALS (FOR INFORMATION ONLY)

QUANTITY	UNIT	DESCRIPTION
4	EACH	CLASS 4 WOOD POLES
450	LF	SPAN WIRE
4	EACH	TEMPORARY LUMINAIRES
15	EACH	SIGNAL HEADS
2	EACH	EVP DETECTOR HEADS
2	EACH	CONFIRMATION LIGHTS



TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 1 OF 8

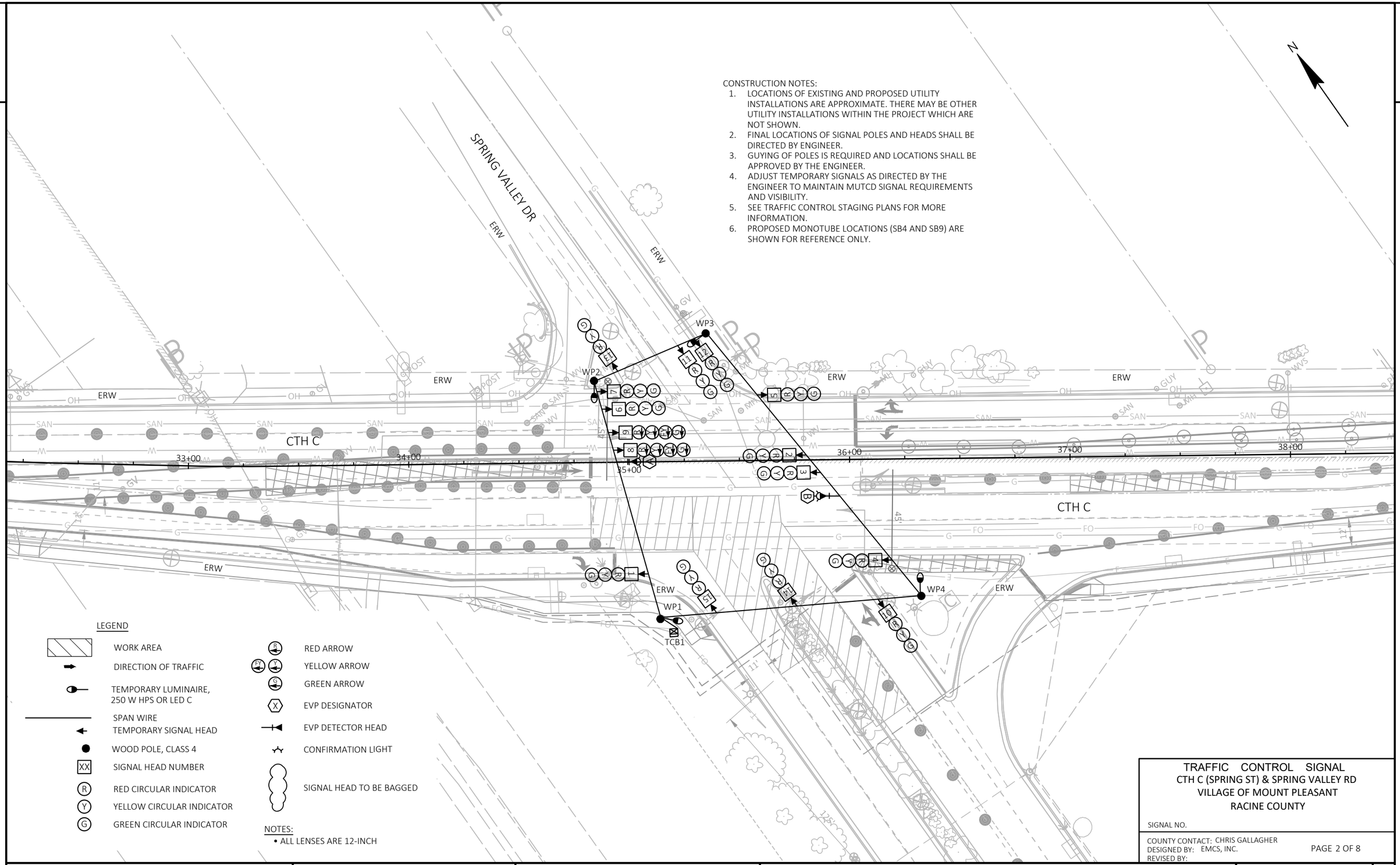
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL TEMPORARY - STAGE 1	SHEET 66	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024101
PLOT DATE : 3/2/2026 2:23 PM
PLOT BY : LAUREN MAENHOUT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATIONS OF SIGNAL POLES AND HEADS SHALL BE DIRECTED BY ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS AND VISIBILITY.
5. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
6. PROPOSED MONOTUBE LOCATIONS (SB4 AND SB9) ARE SHOWN FOR REFERENCE ONLY.



TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL TEMPORARY - STAGE 2	SHEET 67	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024102

PLOT DATE : 3/2/2026 2:26 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATIONS OF SIGNAL POLES AND HEADS SHALL BE DIRECTED BY ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS AND VISIBILITY.
5. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
6. PROPOSED MONOTUBE LOCATIONS (SB4 AND SB9) ARE SHOWN FOR REFERENCE ONLY.

SPRING VALLEY DR

CTH C

WP1

WP2

WP3

WP4

TCB1

33+00

34+00

35+00

36+00

37+00

38+00

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
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- SIGNAL HEAD TO BE BAGGED

NOTES:

- ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL TEMPORARY - STAGE 3	SHEET 68	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024103

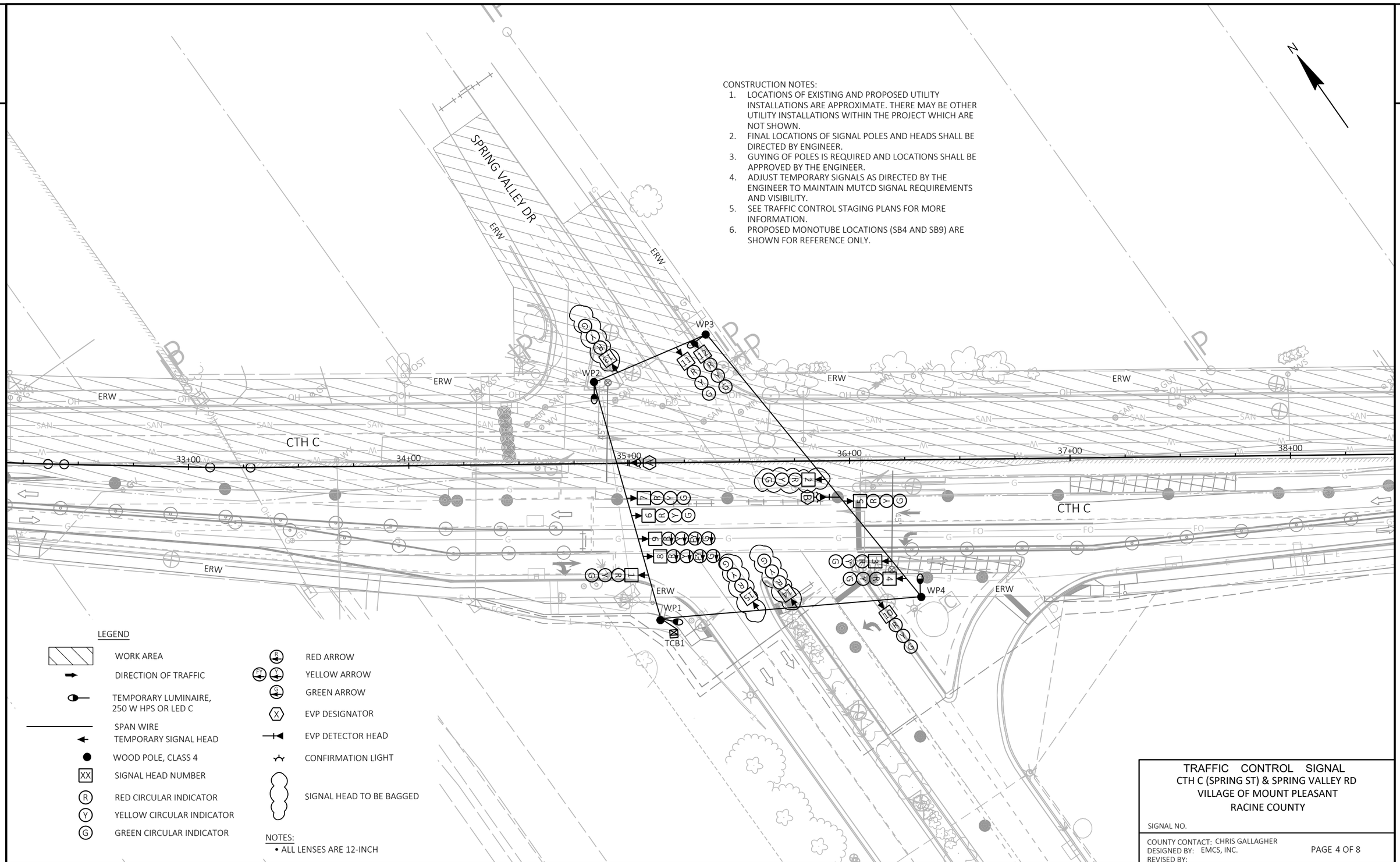
PLOT DATE : 3/2/2026 2:35 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATIONS OF SIGNAL POLES AND HEADS SHALL BE DIRECTED BY ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS AND VISIBILITY.
5. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
6. PROPOSED MONOTUBE LOCATIONS (SB4 AND SB9) ARE SHOWN FOR REFERENCE ONLY.



TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL TEMPORARY - STAGE 4	SHEET 69	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024104

PLOT DATE : 3/3/2026 8:12 AM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATIONS OF SIGNAL POLES AND HEADS SHALL BE DIRECTED BY ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS AND VISIBILITY.
5. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
6. PROPOSED MONOTUBE LOCATIONS (SB4 AND SB9) ARE SHOWN FOR REFERENCE ONLY.

SPRING VALLEY DR

CTH C

ERW

WP1

WP2

WP3

WP4

TCB1

33+00

34+00

35+00

36+00

37+00

38+00

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
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- SIGNAL HEAD TO BE BAGGED

NOTES:

- ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL TEMPORARY - STAGE 5A	SHEET 70	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024105A

PLOT DATE : 3/3/2026 8:19 AM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATIONS OF SIGNAL POLES AND HEADS SHALL BE DIRECTED BY ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS AND VISIBILITY.
5. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
6. PROPOSED MONOTUBE LOCATIONS (SB4 AND SB9) ARE SHOWN FOR REFERENCE ONLY.

SPRING VALLEY DR

CTH C

ERW

WP1

WP2

WP3

WP4

TCB1

33+00

34+00

35+00

36+00

37+00

38+00

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
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- SIGNAL HEAD TO BE BAGGED

NOTES:
• ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL TEMPORARY - STAGE 5B	SHEET 71	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024105B

PLOT DATE : 3/3/2026 8:22 AM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

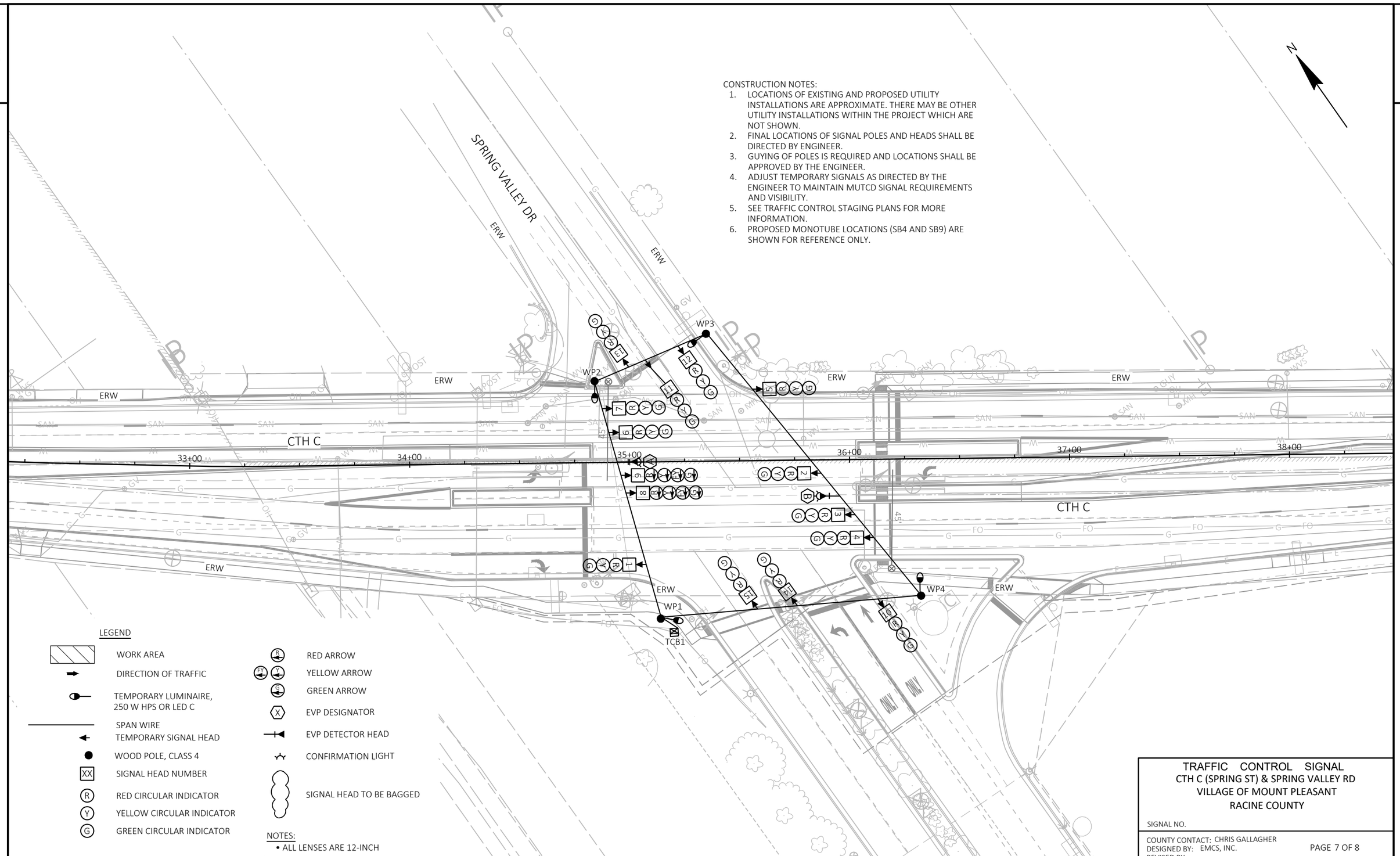
WISDOT/CADDS SHEET 42

2

2

CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATIONS OF SIGNAL POLES AND HEADS SHALL BE DIRECTED BY ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS AND VISIBILITY.
5. SEE TRAFFIC CONTROL STAGING PLANS FOR MORE INFORMATION.
6. PROPOSED MONOTUBE LOCATIONS (SB4 AND SB9) ARE SHOWN FOR REFERENCE ONLY.



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
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- SIGNAL HEAD TO BE BAGGED

NOTES:
• ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY RD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 7 OF 8

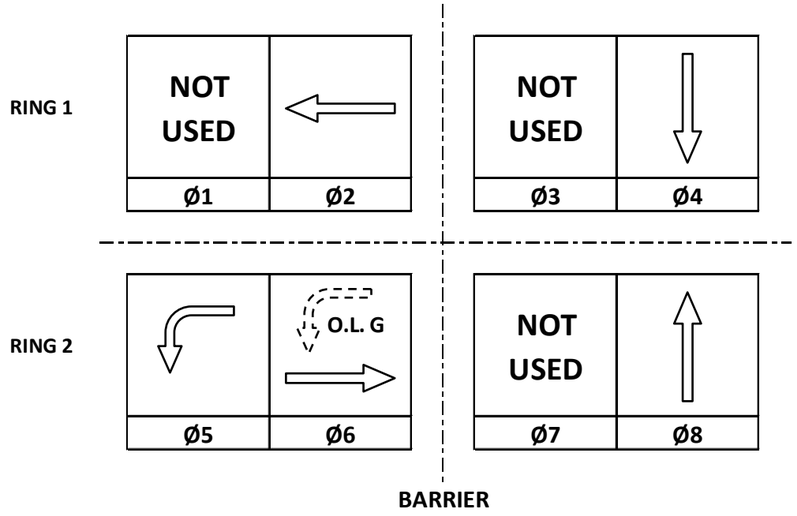
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL TEMPORARY - POST CONSTRUCTION	SHEET 72	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024106

PLOT DATE : 3/3/2026 8:30 AM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	5,6,7	R
Ø3		
Ø4	13,14,15	R
Ø5	8,9	R ←
Ø6	1,2,3,4	R
Ø7		
Ø8	10,11,12	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG	8,9	-
OLH		



TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
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	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MAX	X
3				
4		8	MAX	X
5		1	MAX	X
6		2	MAX	X
7				
8		4	MAX	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B		
MOVEMENT	←	←		
PHASE	2+5	6+2		

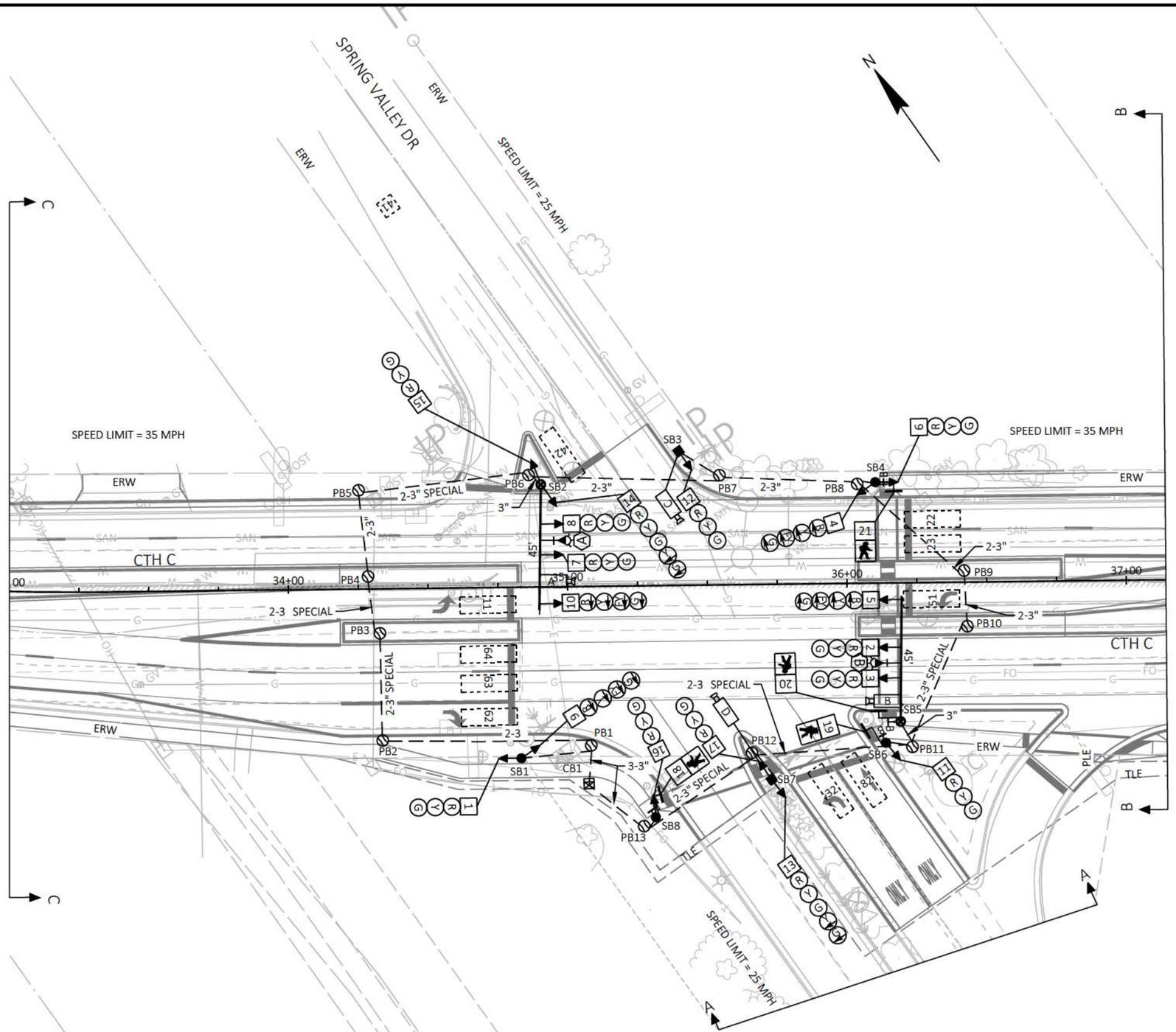
AFTER PREEMPTION SEQUENCE 2+5 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6.

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

CTH C (SPRING ST) & SPRING VALLEY DR
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 3/2026 PAGE NUMBER: 8 OF 8

2



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH APS PUSH BUTTON
- XX VIDEO DETECTION UNIT
- VIDEO DETECTION ZONE
- 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
- 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

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

TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY DR
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

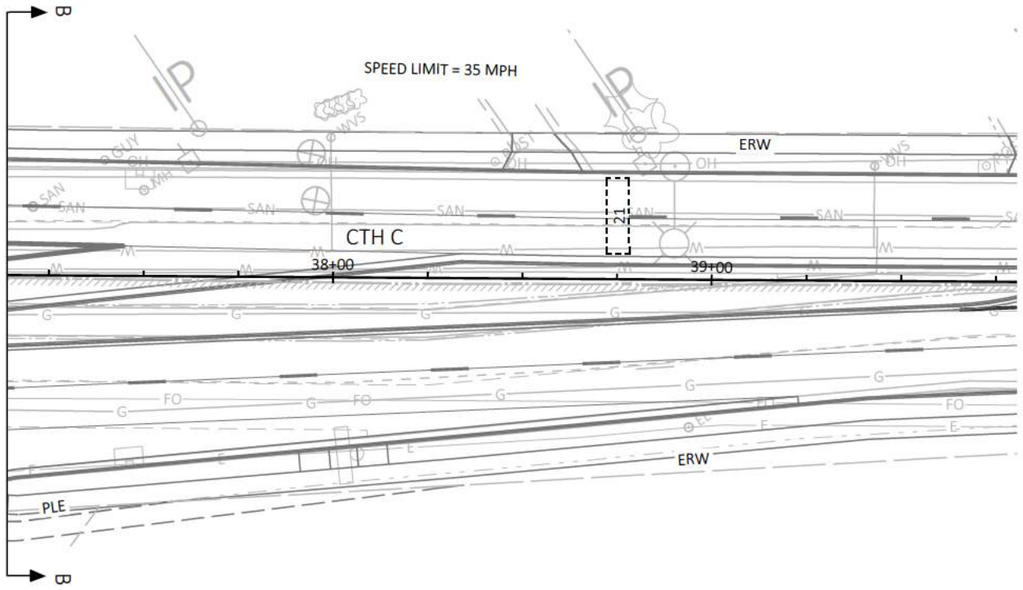
COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

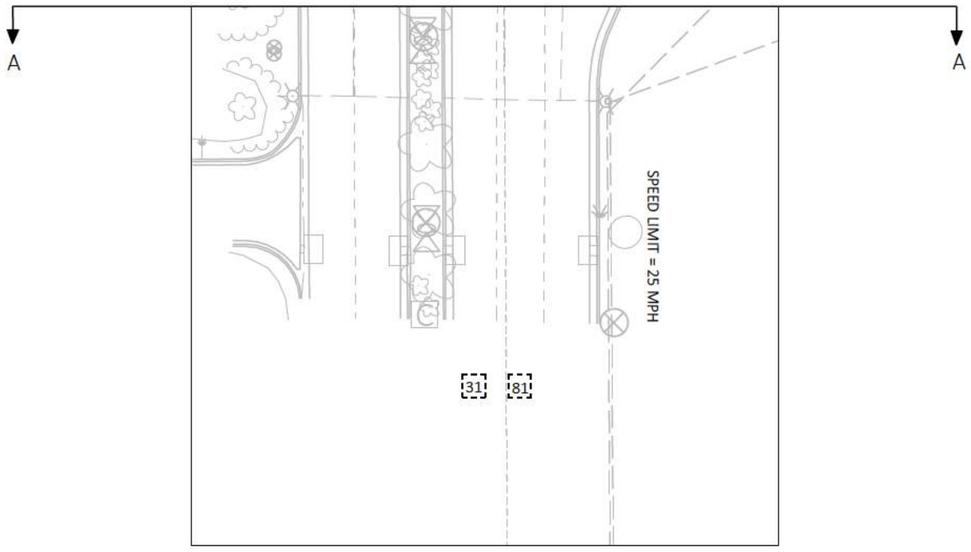
PAGE 1 OF 3

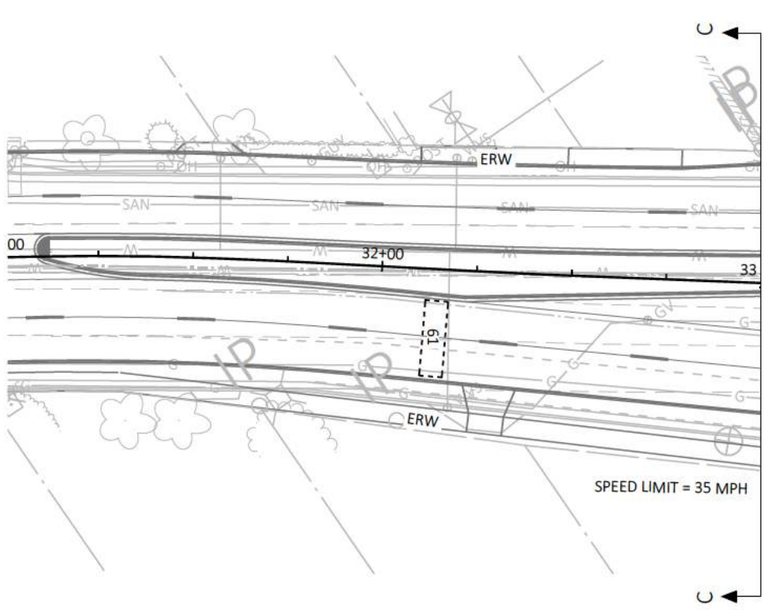
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL PLANS	SHEET 74	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024201-SP DWG
LAYOUT NAME - 01

PLOT DATE : 2/24/2026 4:57 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1 IN:40 FT







TRAFFIC CONTROL SIGNAL
CTH C (SPRING ST) & SPRING VALLEY DR
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

COUNTY CONTACT: CHRIS GALLAGHER
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 2 OF 3

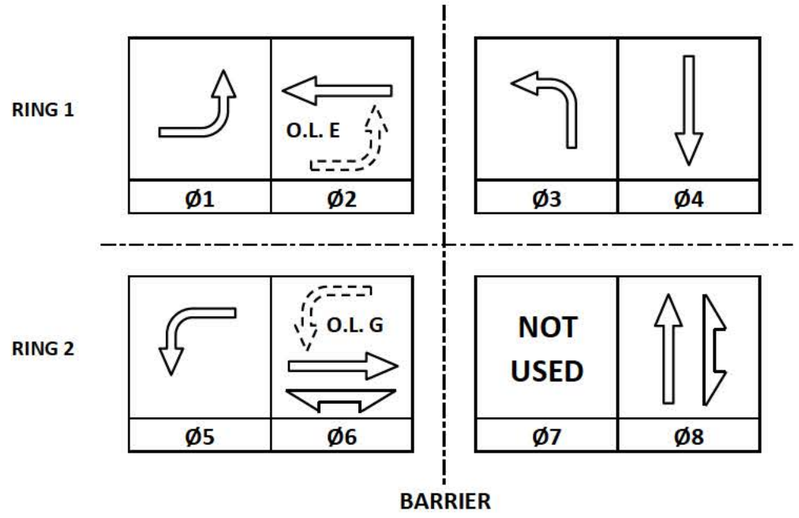
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 75	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024201-SP DWG
LAYOUT NAME - 02

PLOT DATE : 2/24/2026 4:57 PM PLOT BY : LAUREN MAENHOUT PLOT NAME : PLOT SCALE : 1" = 0833'

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3	13,14	-
Ø4	15,16,17	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13,14	R
Ø2P		
Ø4P		
Ø6P	18,19	
Ø8P	20,21	
OLE	4,5	-
OLF		
OLG	9,10	-
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		5		X
2		6	MIN	X
3		8		X
4		8		X
5		1		X
6		2	MIN	X
7				
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B		
MOVEMENT	←	→		
PHASE	2+5	6+1		

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	X
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	
IN SEPARATE DOT LIGHTING CABINET	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN VIDEO DETECTOR*(S)	31,32	11		51				
CALLED PHASE	3	1		5				
CALL OPTION	X	X		X				
DELAY TIME								
EXTENTION OPTION	X	X		X				
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN VIDEO DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN VIDEO DETECTOR*(S)	41,42	21,22,23	81,82	61,62,63,64				
CALLED PHASE	4	2	8	6				
CALL OPTION	X	X	X	X				
DELAY TIME								
EXTENTION OPTION	X	X	X	X				
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN VIDEO DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

CTH C (SPRING ST) & SPRING VALLEY DR
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 11/2025 PAGE NUMBER: 3 OF 3

PROJECT ID:	2390-09-73
INTERSECTION:	CTH C & SPRING VALLEY

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

2

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	1	RED	ORG	GRN								
		9				RED/BLK	ORG/BLK	GRN/BLK	ORG/WHT				
SB2	21	7	RED	ORG	GRN								
		8	RED	ORG	GRN								
		10				RED/BLK	ORG/BLK	GRN/BLK	ORG/WHT				
		14	RED/WHT	ORG/BLU	GRN/WHT		ORG/RED	GRN/BLU					
		15	RED/BLU	ORG/GRN	GRN/RED								
SB3	7	12	RED	ORG	GRN								
SB4	15	4				RED	ORG	GRN	RED/BLK				
		6	RED/WHT	ORG/WHT	GRN/WHT								
		21								BLK	BLU		
		BUTTON											BLU/BLK
SB5	15	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		5				RED/BLK	ORG/BLK	GRN/BLK	ORG/WHT				
		20								BLK	BLU		
		BUTTON											BLU/BLK
SB6	9	11	RED	ORG	GRN								
		19								BLK	BLU		
		BUTTON											BLU/BLK
SB7	12	13	RED	ORG	GRN		RED/BLK	GRN/BLK					
		17	RED/WHT	ORG/BLK	GRN/WHT								
SB8	9	16	RED	ORG	GRN								
		18								BLK	BLU		
		BUTTON											BLU/BLK

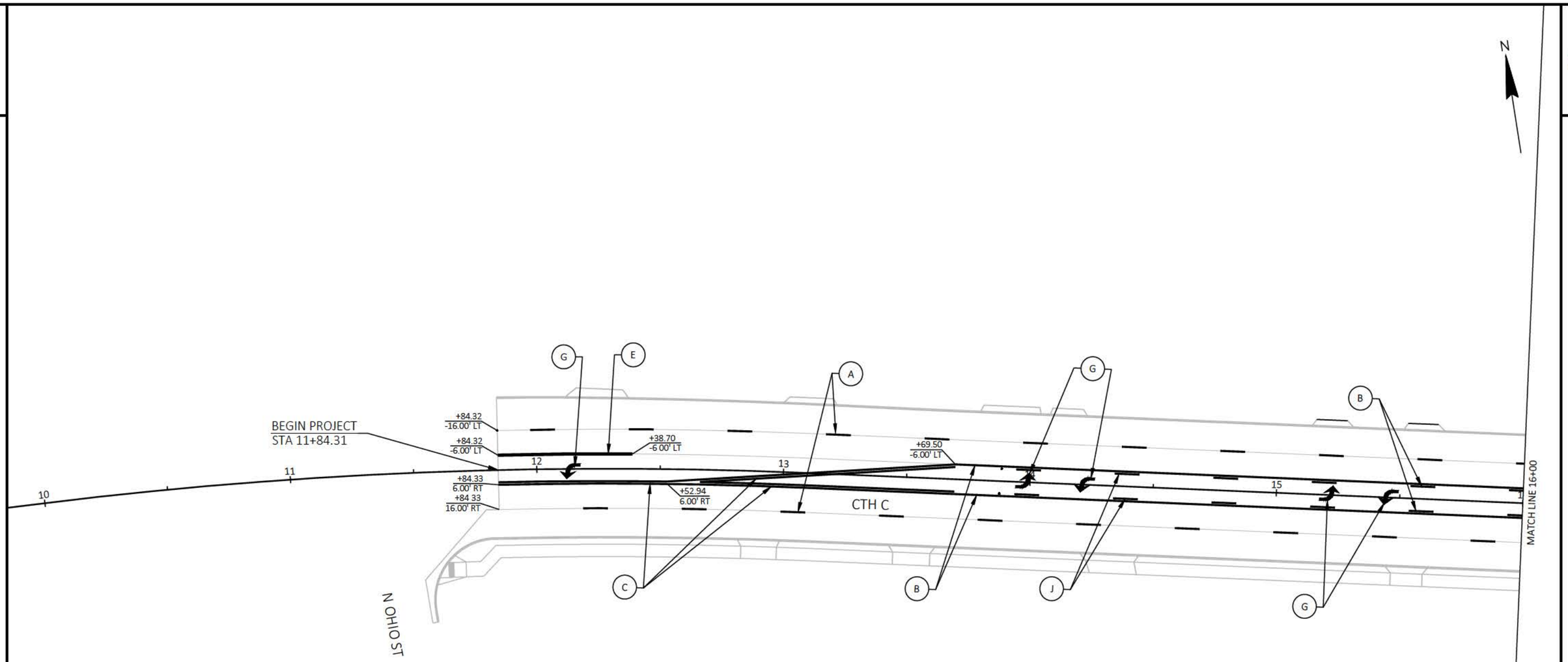
Equipment grounding conductor 10 AWG Green XLP	
From	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
CB1	PB1
SB1	PB1
SB2	PB6
SB3	PB7
SB4	PB8
SB5	PB11
SB6	PB11
SB7	PB12
SB8	PB13

EVP CABLE	
From	To
CB1	SB2 (HEAD A)
CB1	SB5 (HEAD B)

*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.
*Reserve the Blue/Black conductor in the cable assembly as the APS conductor for all push buttons

2

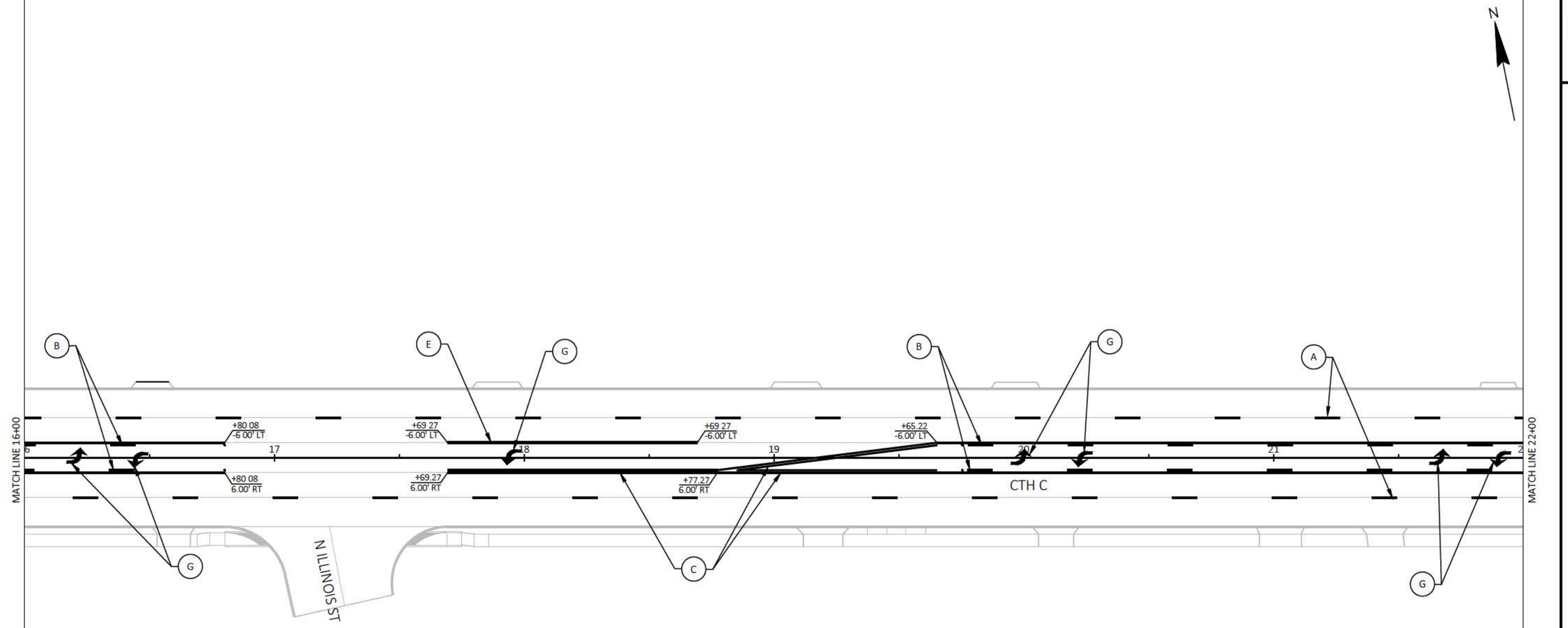


PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE, 12.5' LINE, 37.5' SKIP)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING ARROW EPOXY
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE, 37.5' SKIP)
- (K) MARKING WORD EPOXY

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 79	E

2



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE, 12.5' LINE, 37.5' SKIP)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING ARROW EPOXY
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE, 37.5' SKIP)
- (K) MARKING WORD EPOXY

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 80	E

2

N

MATCH LINE 22+00

MATCH LINE 28+00

CTH C

N INDIANA ST

+19.83
-6.00' LT

+19.85
6.00' RT

+10.57
-6.00' LT

+10.59
6.00' RT

+10.54
-6.00' LT

+18.48
6.00' RT

+05.83
-6.00' LT

+30.15
6.00' RT

+30.28
-6.00' LT

23

24

25

26

27

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE, 12.5' LINE, 37.5' SKIP)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING ARROW EPOXY
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE, 37.5' SKIP)
- (K) MARKING WORD EPOXY

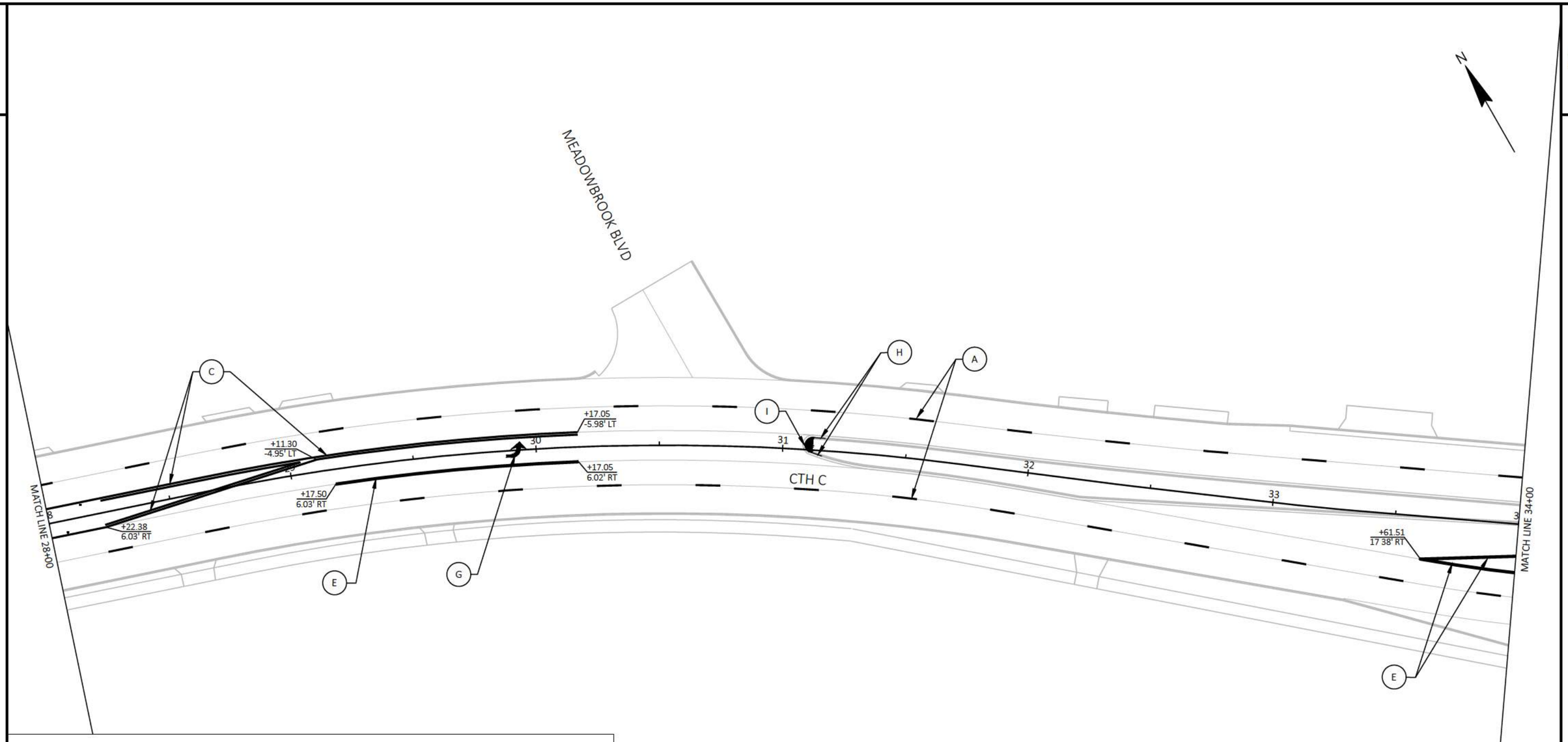
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 81	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024501-PM DWG
LAYOUT NAME - 024503-pm

PLOT DATE : 11/25/2025 7:00 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE, 12.5' LINE, 37.5' SKIP)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING ARROW EPOXY
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE, 37.5' SKIP)
- (K) MARKING WORD EPOXY

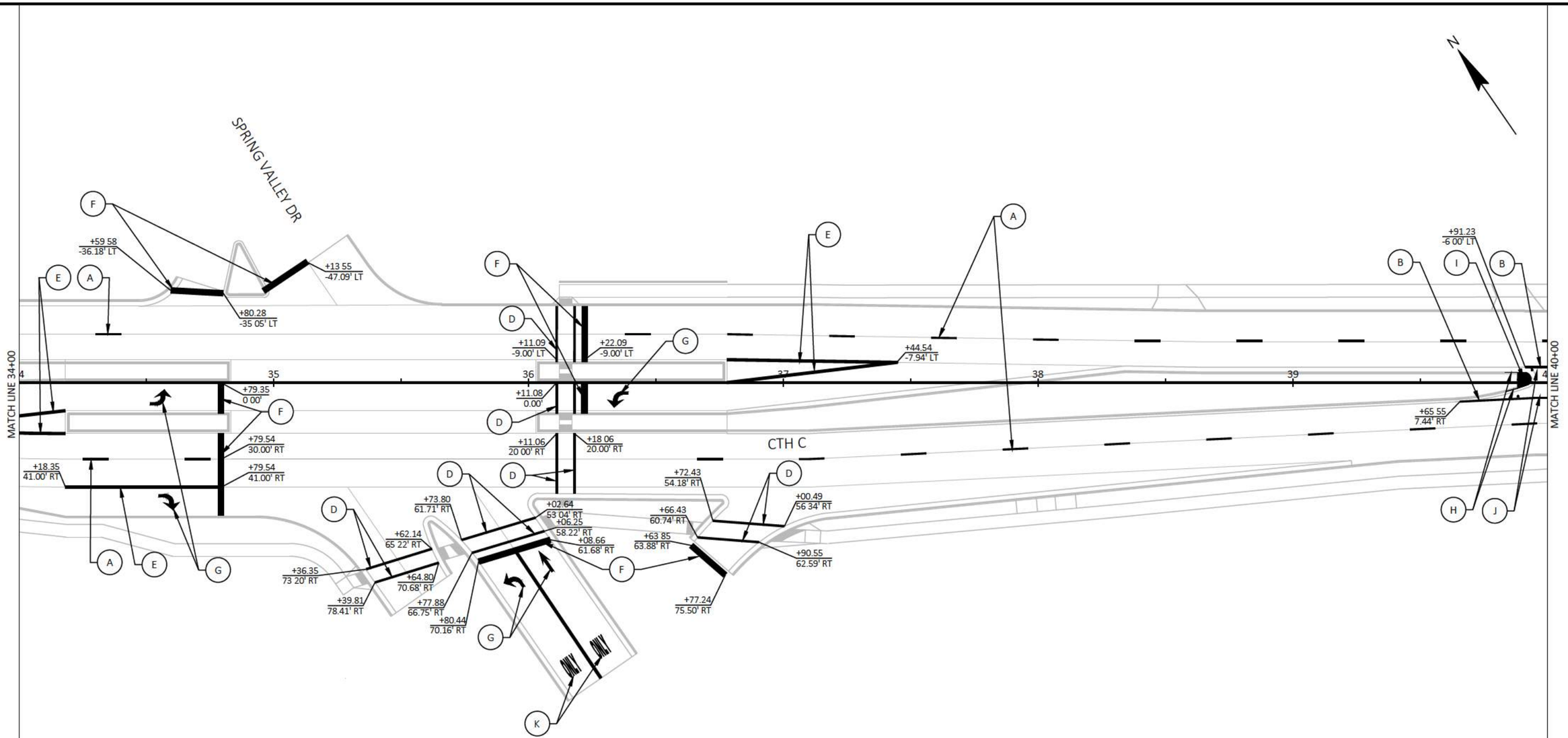
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\024501-PM DWG
LAYOUT NAME - 024504-pm

PLOT DATE : 11/25/2025 7:00 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

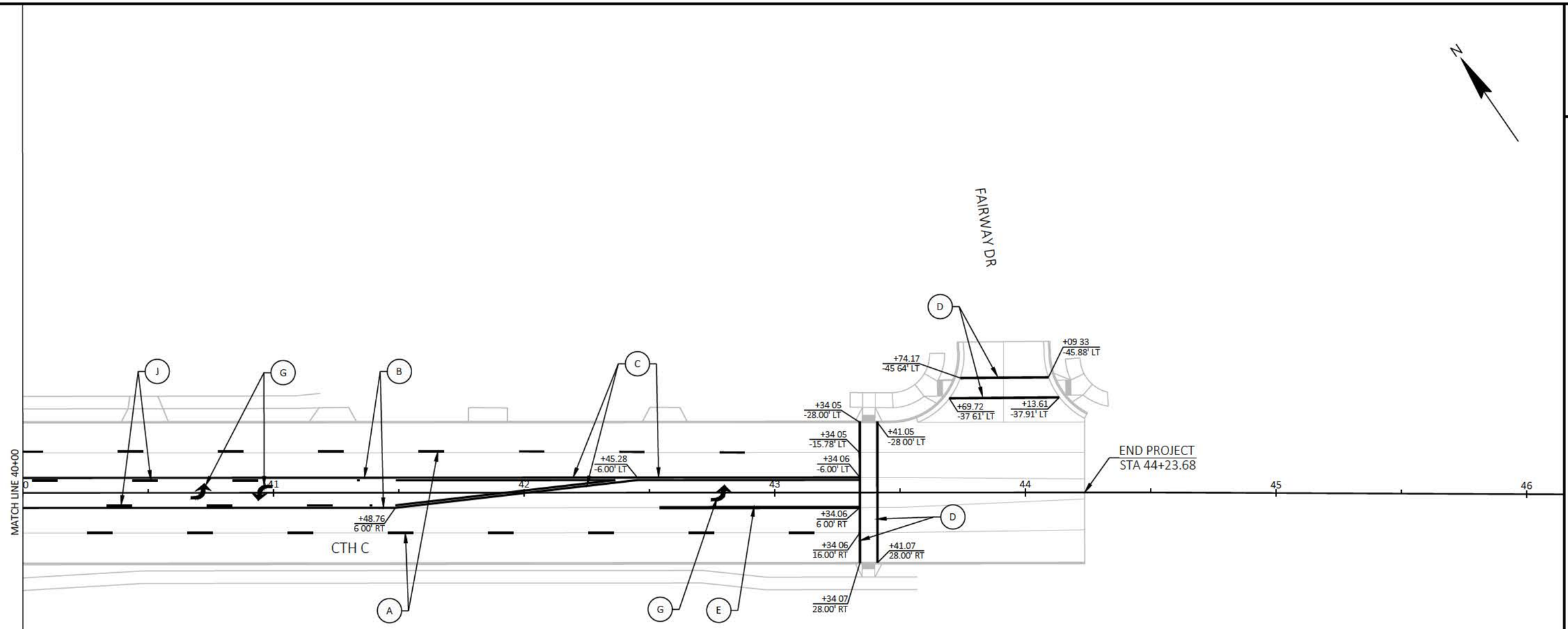


PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE, 12.5' LINE, 37.5' SKIP)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING ARROW EPOXY
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE, 37.5' SKIP)
- (K) MARKING WORD EPOXY

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 83	E

2

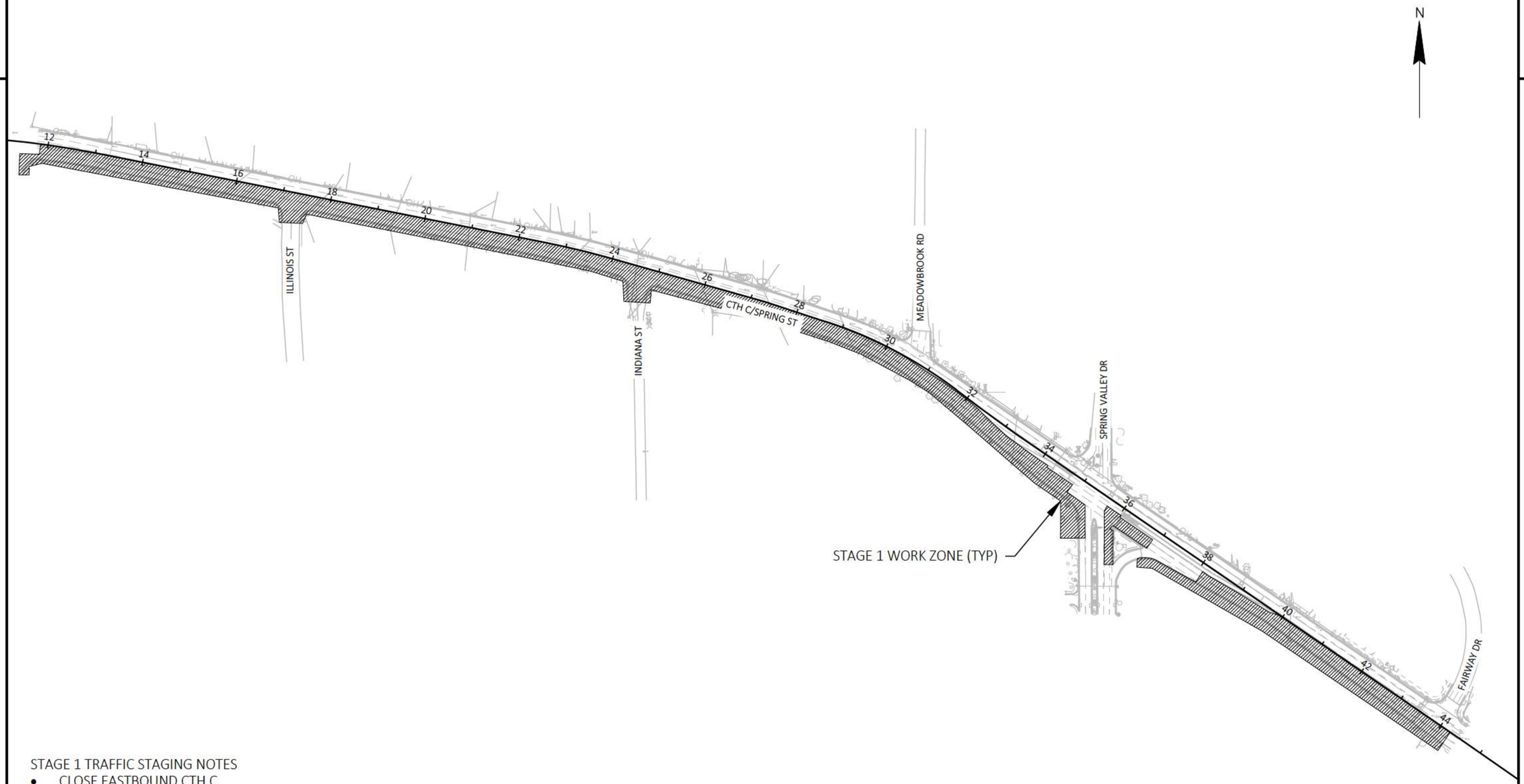


PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE, 12.5' LINE, 37.5' SKIP)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING ARROW EPOXY
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE, 37.5' SKIP)
- (K) MARKING WORD EPOXY

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 84	E

2



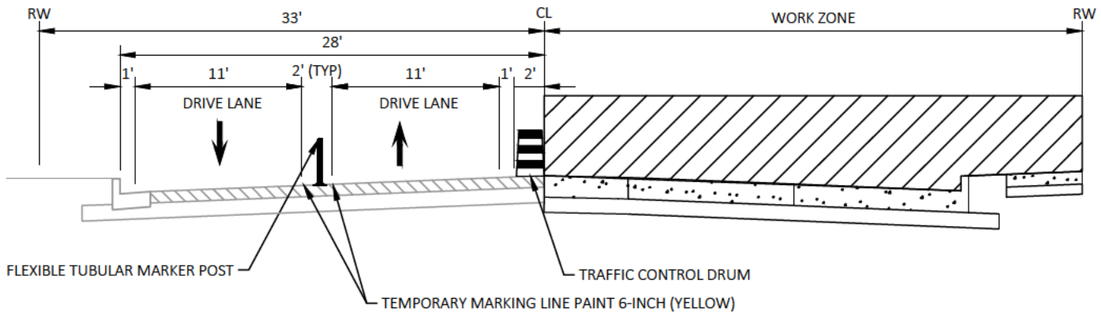
STAGE 1 TRAFFIC STAGING NOTES

- CLOSE EASTBOUND CTH C
- WESTBOUND CTH C TRAFFIC WILL BE REDUCED TO ONE LANE
- EASTBOUND CTH C TRAFFIC WILL BE REDUCED TO ONE LANE AND CROSSED OVER ONTO THE WESTBOUND SIDE
- MAINTAIN WESTBOUND TO SOUTHBOUND LEFT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES

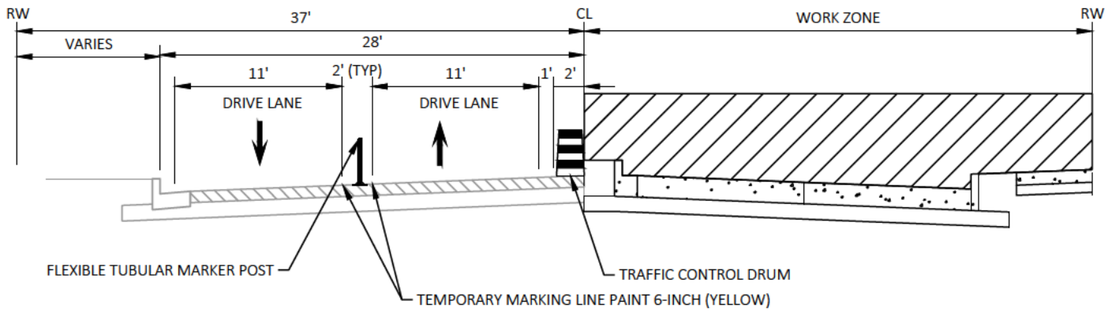
STAGE 1 CONSTRUCTION

- CONSTRUCT PROPOSED PAVEMENT ON EASTBOUND SIDE OF CTH C

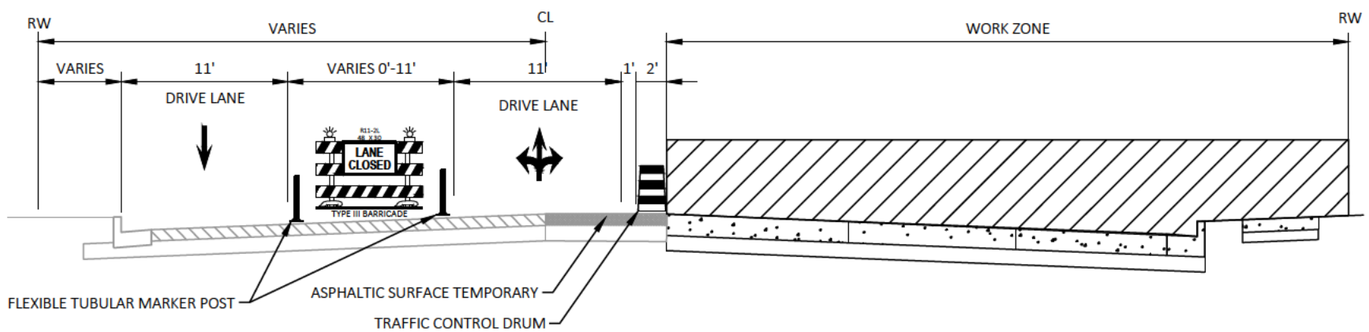
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGING OVERVIEW - STAGE 1	SHEET 85	E



CTH C STAGE 1
STA 11+84 - STA 31+07



CTH C STAGE 1
STA 31+07 - STA 32+58

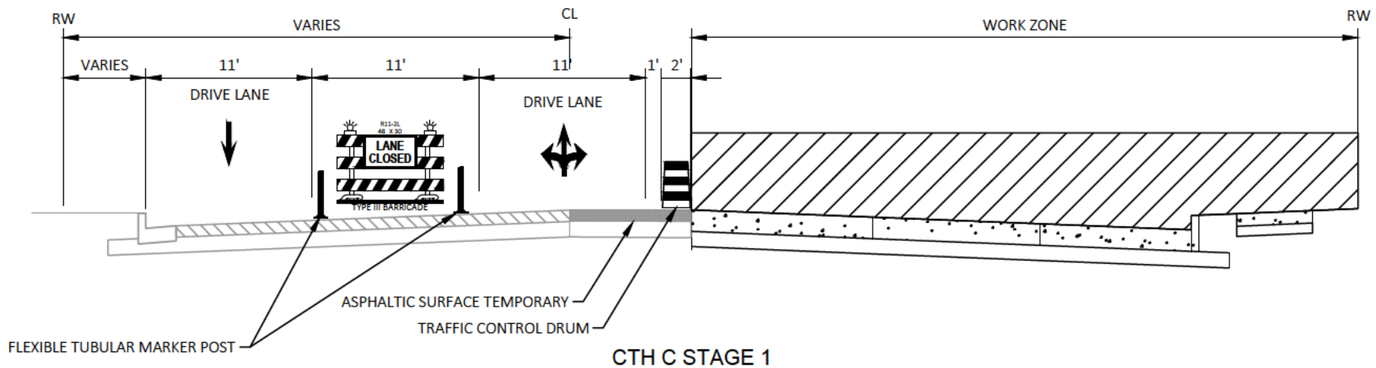


CTH C STAGE 1
STA 32+58 - STA 34+18

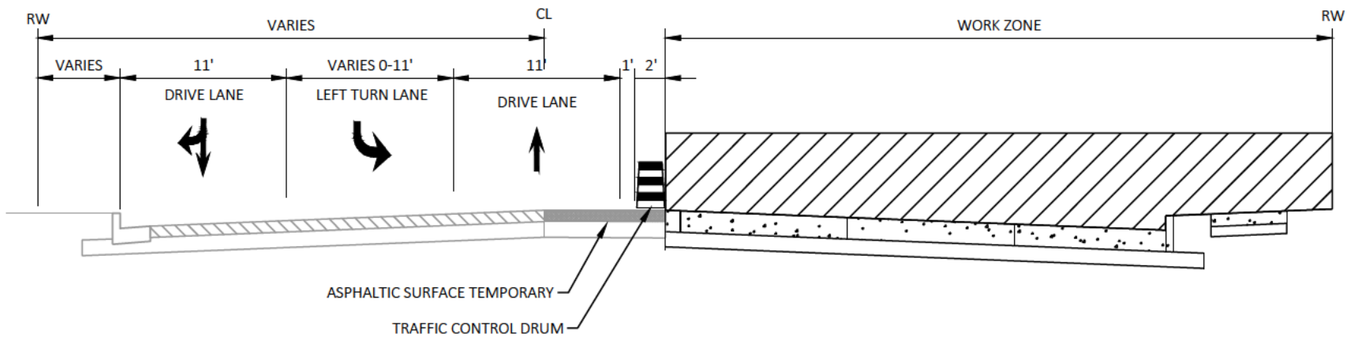
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 1 TYPICAL SECTIONS	SHEET 86	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1-TS DWG
LAYOUT NAME - 01-10ft
PLOT DATE : 2/26/2026 4:30 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

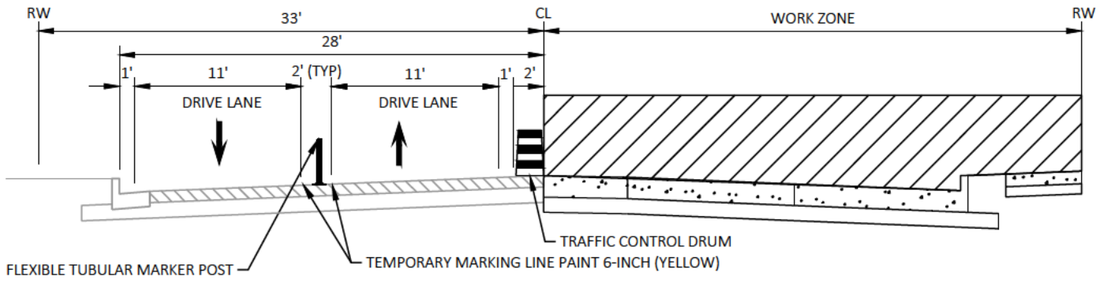
2



CTH C STAGE 1
STA 34+18 - STA 34+93



CTH C STAGE 1
STA 36+00 - STA 39+00

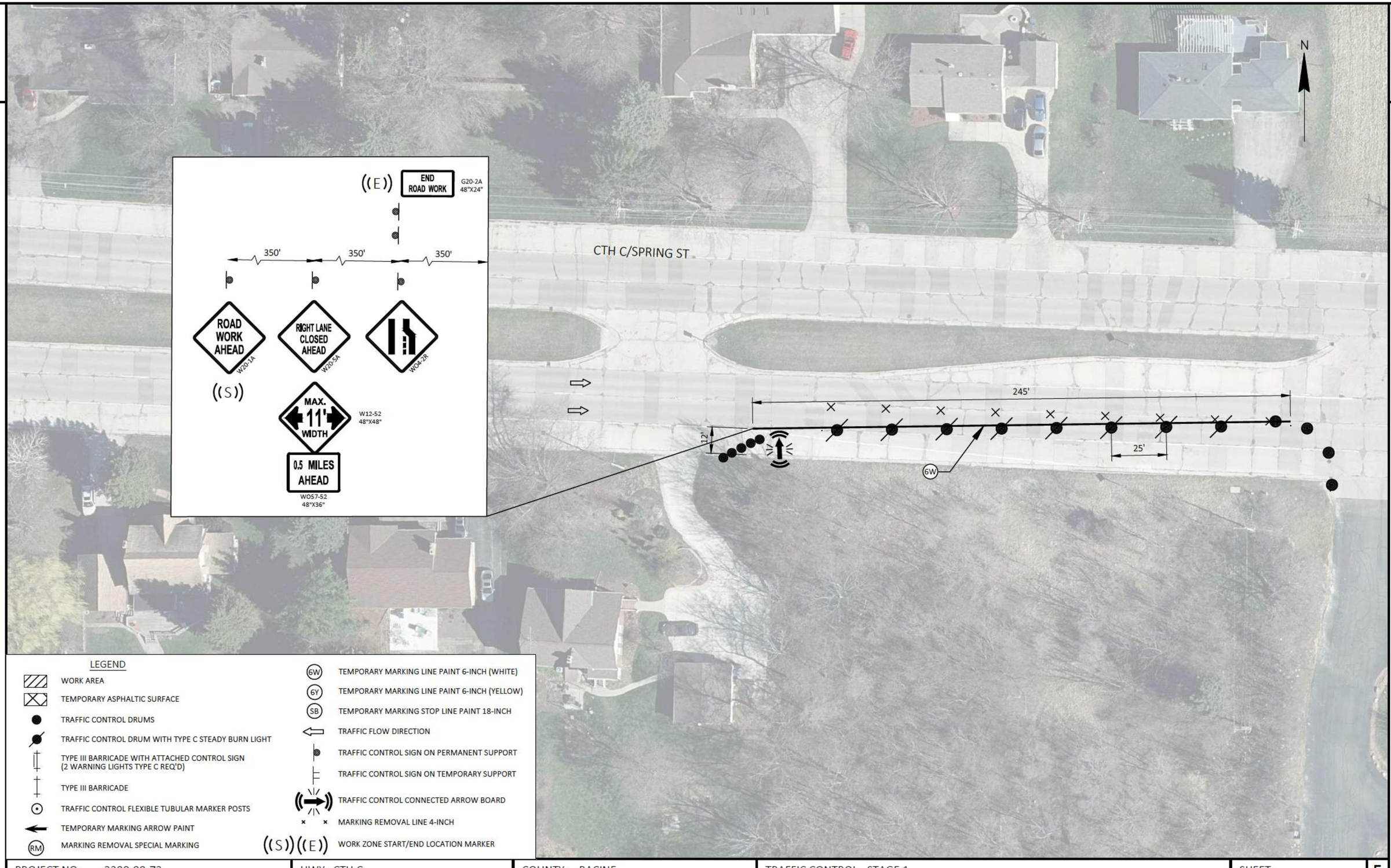


CTH C STAGE 1
STA 39+00 - STA 44+45

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 1 TYPICAL SECTIONS	SHEET 87	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1-TS DWG
LAYOUT NAME - 02-10ft
PLOT DATE : 2/26/2026 4:30 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 88	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1 DWG
LAYOUT NAME - 14

PLOT DATE : 2/26/2026 4:31 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

CTH C/SPRING ST

1+00 2+00 3+00 4

12'

50

25'

BEGIN RIGHT TURN LANE

R3-20 24"X36"

R11-2L 48 30"

LANE CLOSED

TYP II BARRICADE

R11-2L 48 30"

LANE CLOSED

TYP II BARRICADE

MATC LIN 4+00

LEGEND

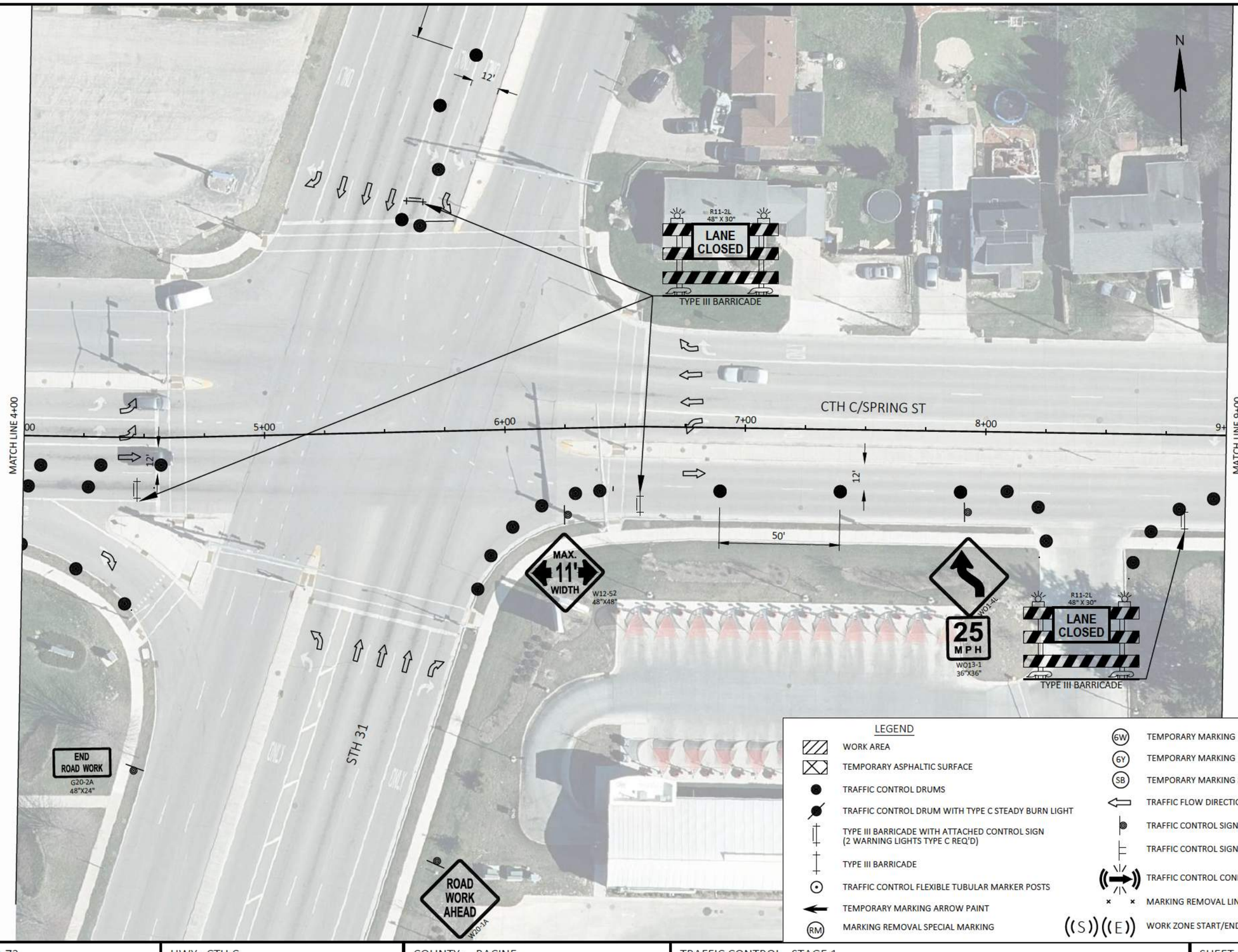
- WOR AREA
- TEMPORAR ASPHALTI SURFAC
- TRAFFI CONTRO DRUMS
- TRAFFI CONTRO DRU WIT TYP STEAD BUR LIGHT
- TYP II BARRICAD WIT ATTACHE CONTRO SIG (WARNIN LIGHT TYP REQ'D)
- TYP II BARRICAD
- TRAFFI CONTRO FLEXIBL TUBULA MARKE POSTS
- TEMPORAR MARKIN ARRO PAINT
- (RM) MARKIN REMOVA SPECIA MARKING
- (6W) TEMPORAR MARKIN LIN PAIN 6-INC (WHITE)
- (6Y) TEMPORAR MARKIN LIN PAIN 6-INC (YELLOW)
- (SB) TEMPORAR MARKIN STO LIN PAIN 18-INCH
- TRAFFI FLO DIRECTION
- TRAFFI CONTRO SIG O PERMANEN SUPPORT
- TRAFFI CONTRO SIG O TEMPORAR SUPPORT
- TRAFFI CONTRO CONNECTE ARRO BOARD
- MARKIN REMOVA LIN 4-INCH
- ((S))((E)) WOR ZON START/EN LOCATIO MARKER

PROJEC NO: 2390-09-73	HWY: CT	COUNTY: RACINE	TRAFFI CONTRO STAG 1	SHEE E

FIL NAM : Y:\56XX\5624_CT C_OHI S T FAIRWAY_RACIN COUNTY\CADDS\23900903\SHEETSPLAN\026101-S .DWG LAYOU NAM 15 PLO DAT : 2/26/202 4:3 PM PLO B : JORDY BENN PLO NAM PLO SCAL : IN:4 FT

WISDOT/CADD SHEE 42

2



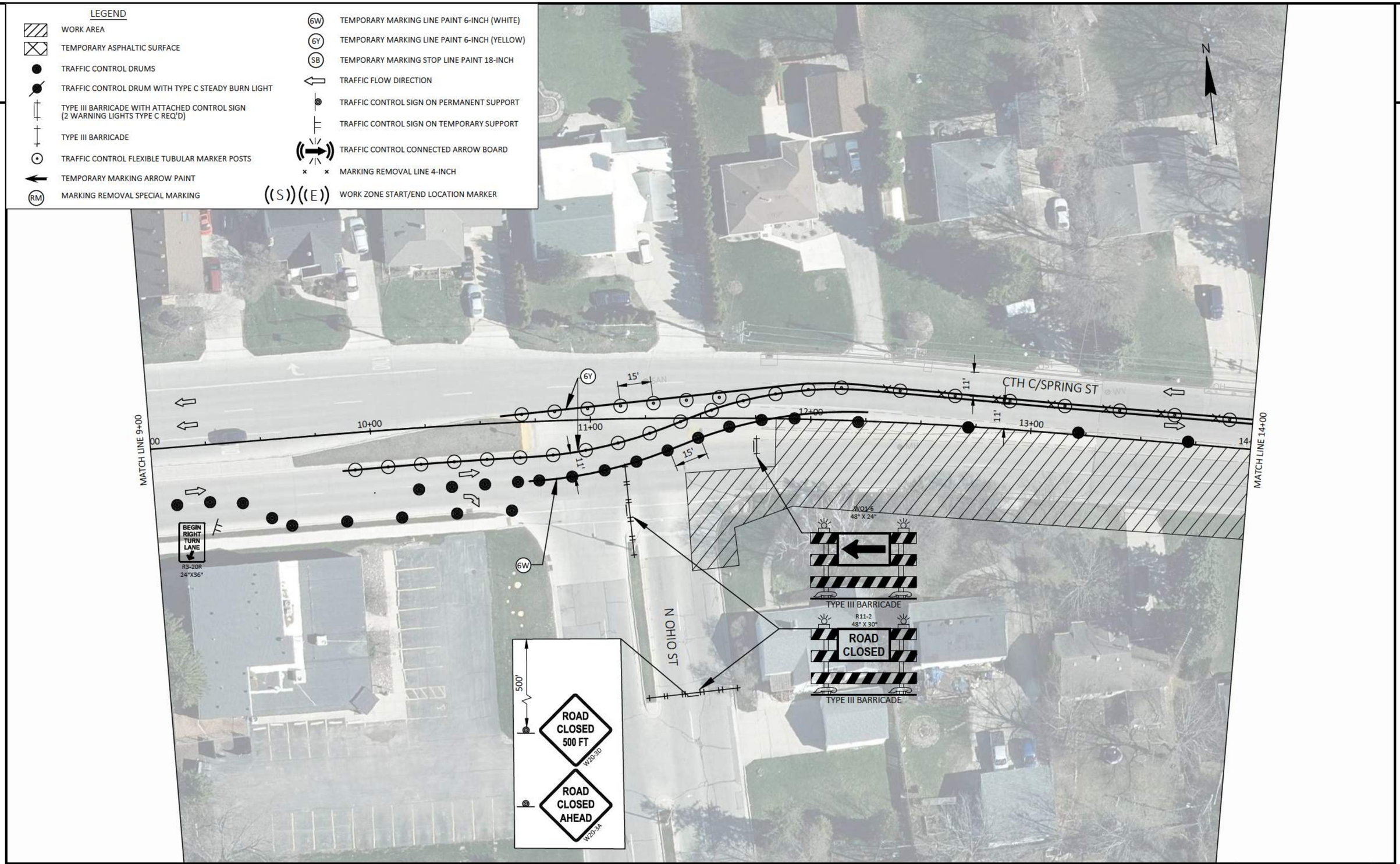
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 90	E

2

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



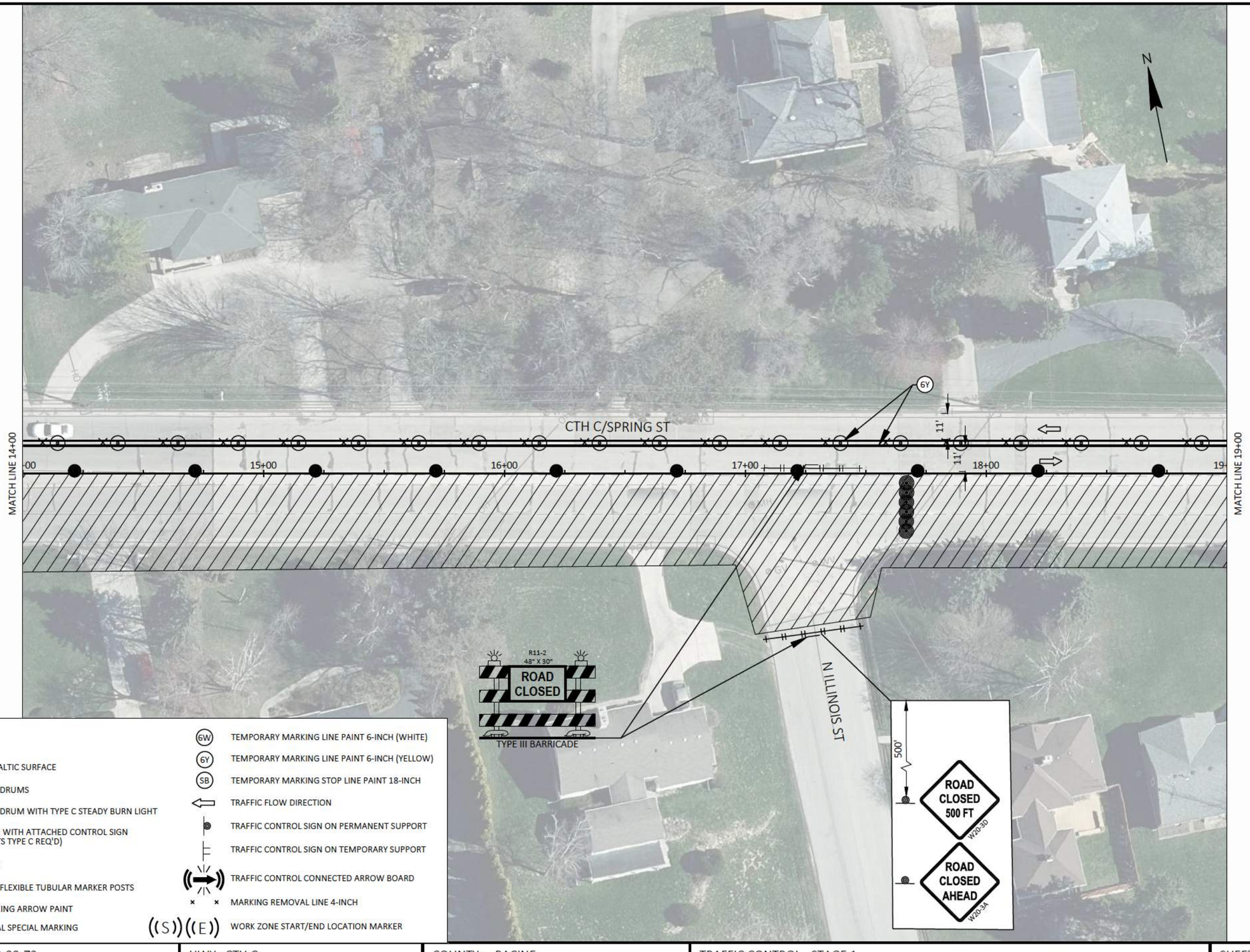
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 91	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1 DWG
LAYOUT NAME - 17

PLOT DATE : 2/26/2026 4:31 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

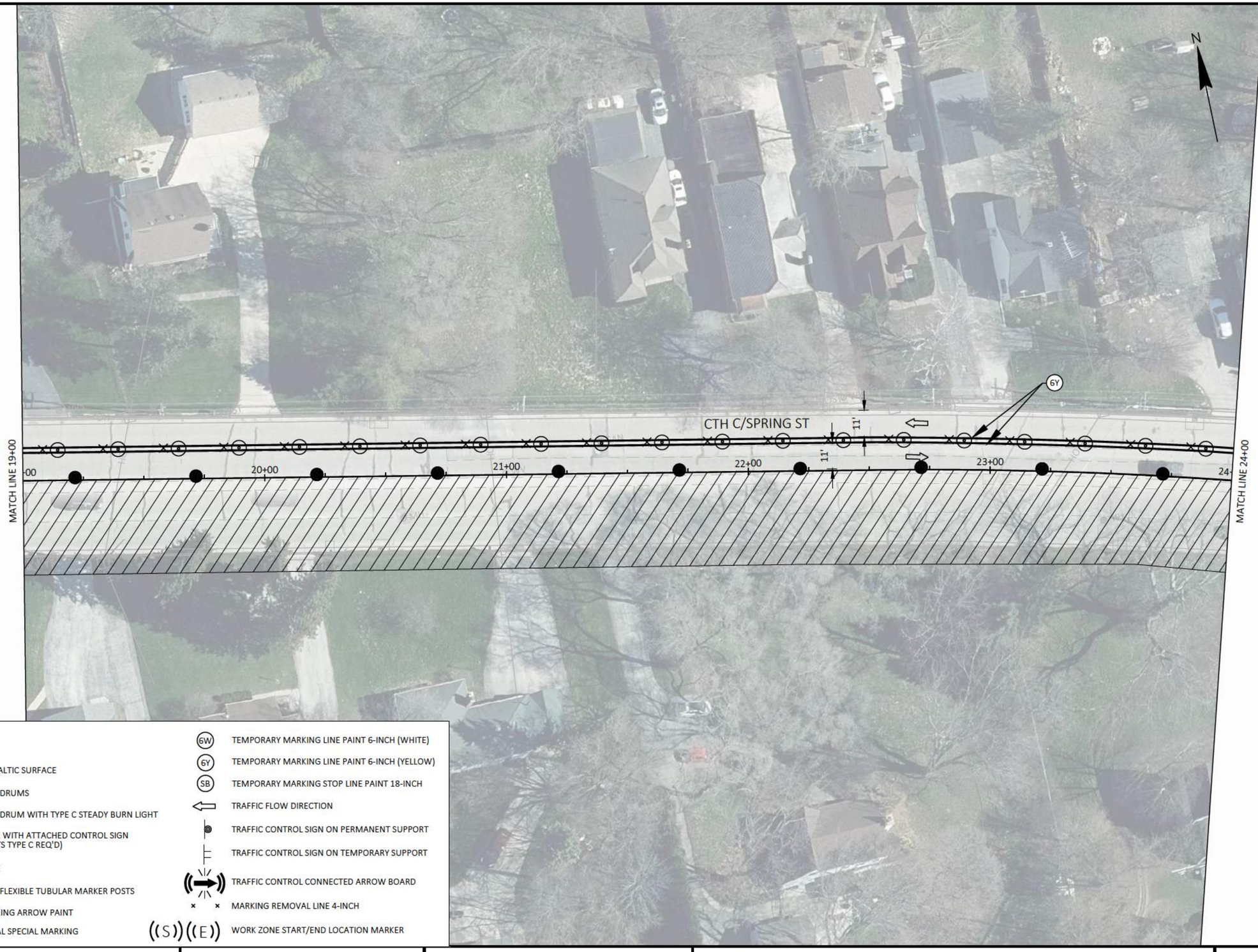


LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 92	E

2



LEGEND

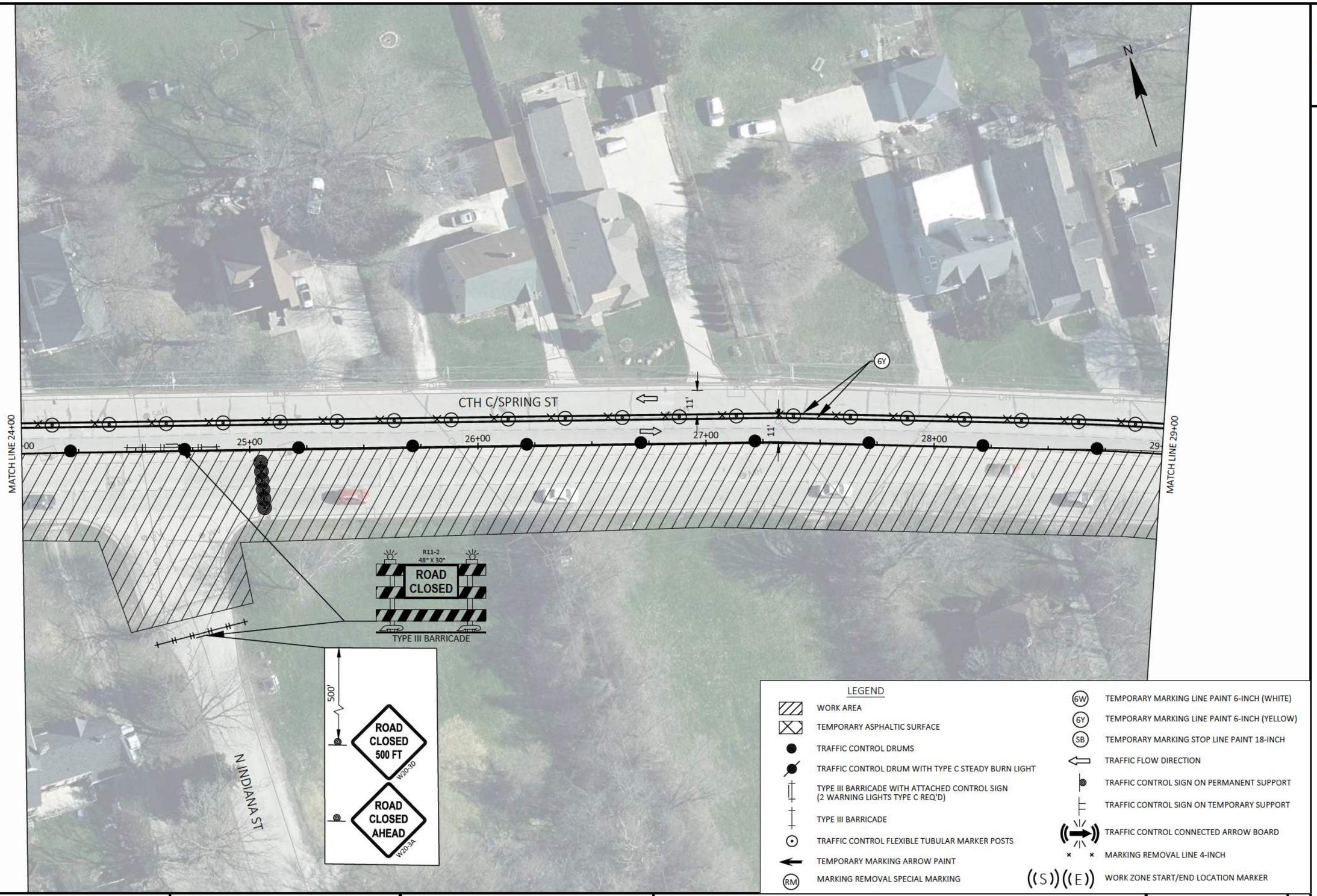
- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 93	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1 DWG
LAYOUT NAME - 19

PLOT DATE : 2/26/2026 4:31 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

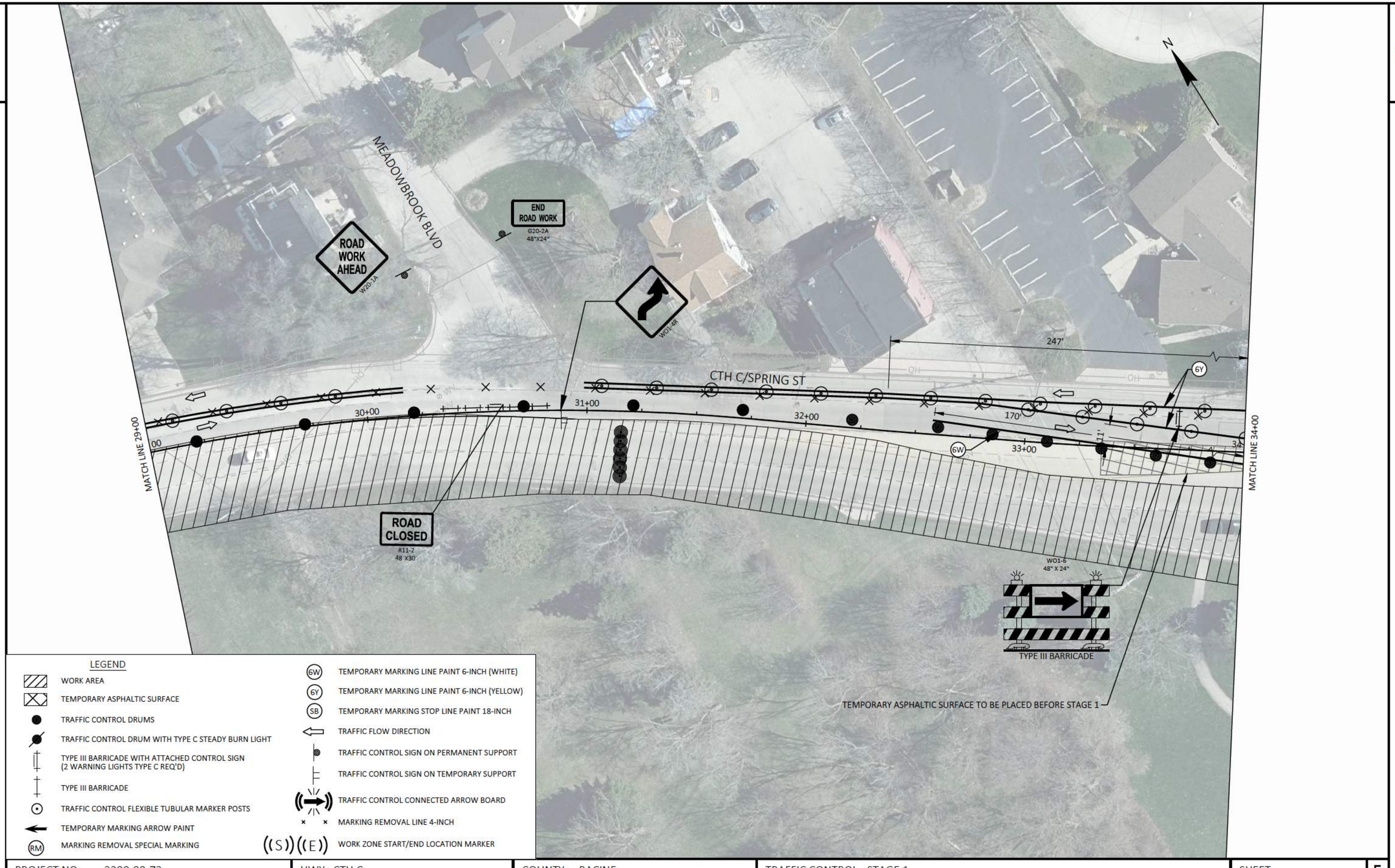


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 94	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1 DWG
LAYOUT NAME - 20

PLOT DATE : 2/26/2026 4:32 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

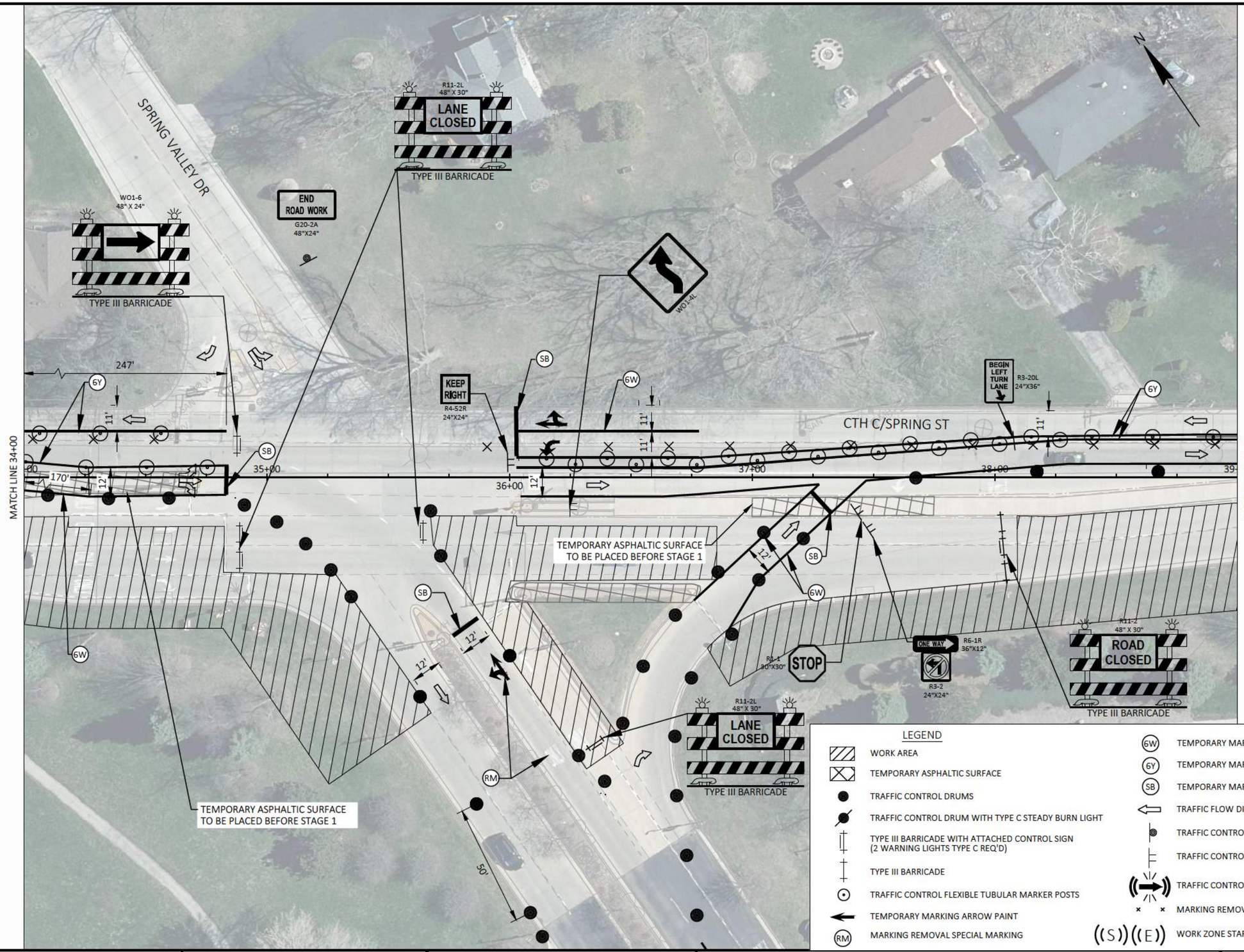


LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- (S)(E) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 95	E

2

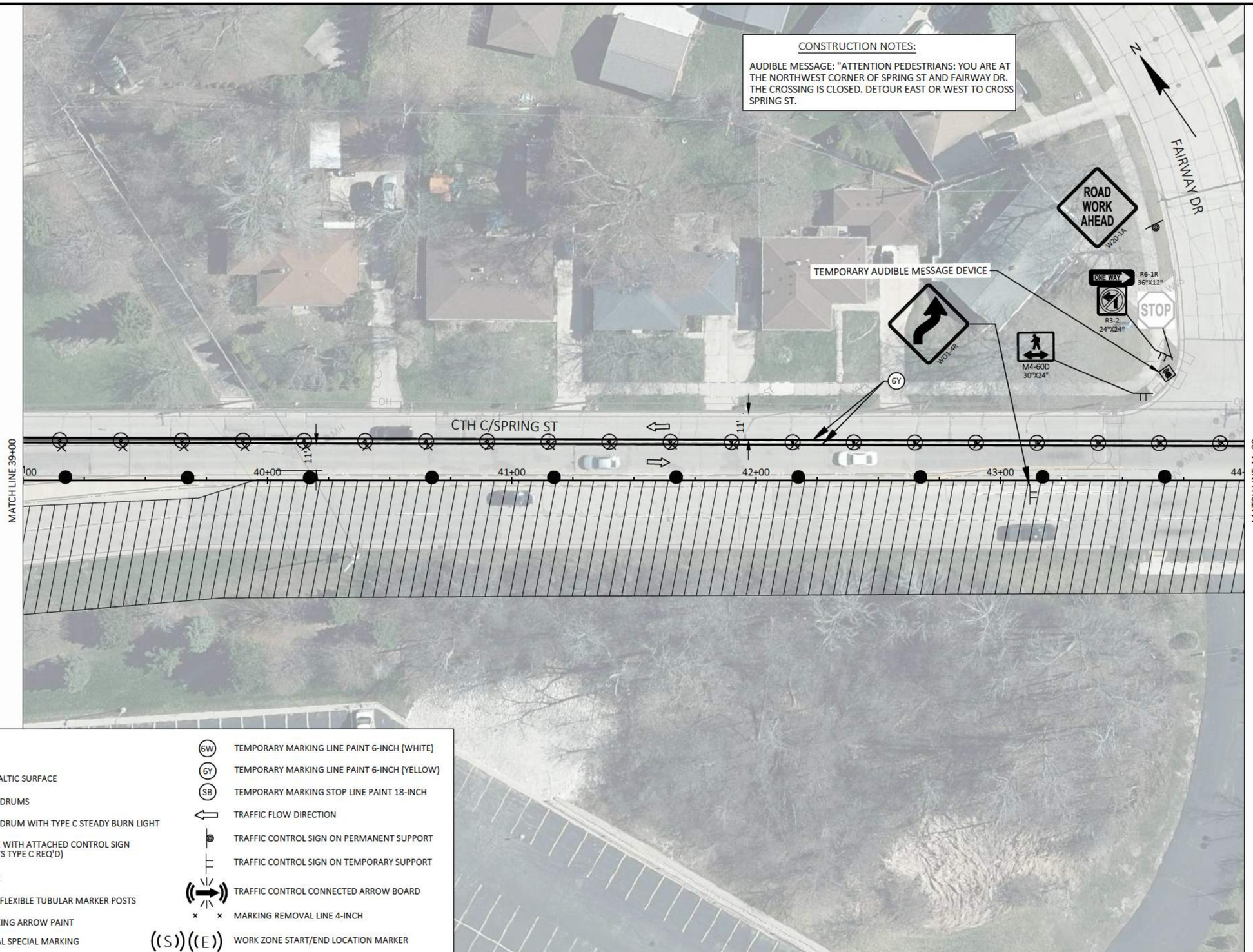


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 96	E

2

CONSTRUCTION NOTES:

AUDIBLE MESSAGE: "ATTENTION PEDESTRIANS: YOU ARE AT THE NORTHWEST CORNER OF SPRING ST AND FAIRWAY DR. THE CROSSING IS CLOSED. DETOUR EAST OR WEST TO CROSS SPRING ST.



LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- (S) (E) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 97	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1 DWG
LAYOUT NAME - 23
PLOT DATE : 2/26/2026 4:32 PM
PLOT BY : JORDYN BENN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

CONSTRUCTIO NOTES:

AUDIBL MESSAGE "ATTENTIO PEDESTRIANS YO AR AT SOUTHWES CORNE O SPRIN S AN OSBORN BLVD. TH SIDEWAL O TH SOUT SID O SPRIN STREE IS CLOSE AHEAD CROS HER T US NORT SID O SPRING ST."

N

OSBORN BLV

END ROAD WORK
G20-2A
48"X24"

245'

50'

CTH C/SPRING ST

MATC LIN 44+00

45+00

46+00

47+00

48+00

11'

25'

155'

6Y

6W

TEMPORAR PEDESTRIA BARRICADE

SIDEWALK CLOSED
R9-9
24"X12

WO1-6
48 24

TYP II BARRICADE

TEMPORAR AUDIBL MESSAG DEVICE

R9-9A
30"X18
SIDEWALK CLOSED AHEAD

M4-60R
30"X24"

MAX. 10' WIDTH
W12-52
48"X48

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

1.25 MILES AHEAD
WO57-52
48"X36"

350

350'

350'

PLAC SIG A ST 3 (STAT ST

END ROAD WORK
G20-2A
48"X24

LEGEND

- WOR AREA
- TEMPORAR ASPHALTI SURFAC
- TRAFFI CONTRO DRUMS
- TRAFFI CONTRO DRU WIT TYP STEAD BUR LIGHT
- TYP II BARRICAD WIT ATTACHE CONTRO SIG (WARNIN LIGHT TYP REQ'D)
- TYP II BARRICAD
- TRAFFI CONTRO FLEXIBL TUBULA MARKE POSTS
- TEMPORAR MARKIN ARRO PAINT
- (RM) MARKIN REMOVA SPECIA MARKING
- (6W) TEMPORAR MARKIN LIN PAIN 6-INC (WHITE)
- (6Y) TEMPORAR MARKIN LIN PAIN 6-INC (YELLOW)
- (SB) TEMPORAR MARKIN STO LIN PAIN 18-INCH
- TRAFFI FLO DIRECTION
- TRAFFI CONTRO SIG O PERMANEN SUPPORT
- TRAFFI CONTRO SIG O TEMPORAR SUPPORT
- TRAFFI CONTRO CONNECTE ARRO BOARD
- MARKIN REMOVA LIN 4-INCH
- ((S))((E)) WOR ZON START/EN LOCATIO MARKER

PROJEC NO: 2390-09-73	HWY: CT C	COUNTY: RACINE	TRAFFI CONTRO STAG 1	SHEE E

FIL NAM : Y:\56XX\5624_CT C_OHI S T FAIRWAY_RACIN COUNTY\CADDS\23900903\SHEETSPLAN\026101-S .DWG LAYOU NAM 24

PLO DAT : 2/26/202 4:3 PM PLO B : JORDY BENN PLO NAM PLO SCAL : IN:4 FT

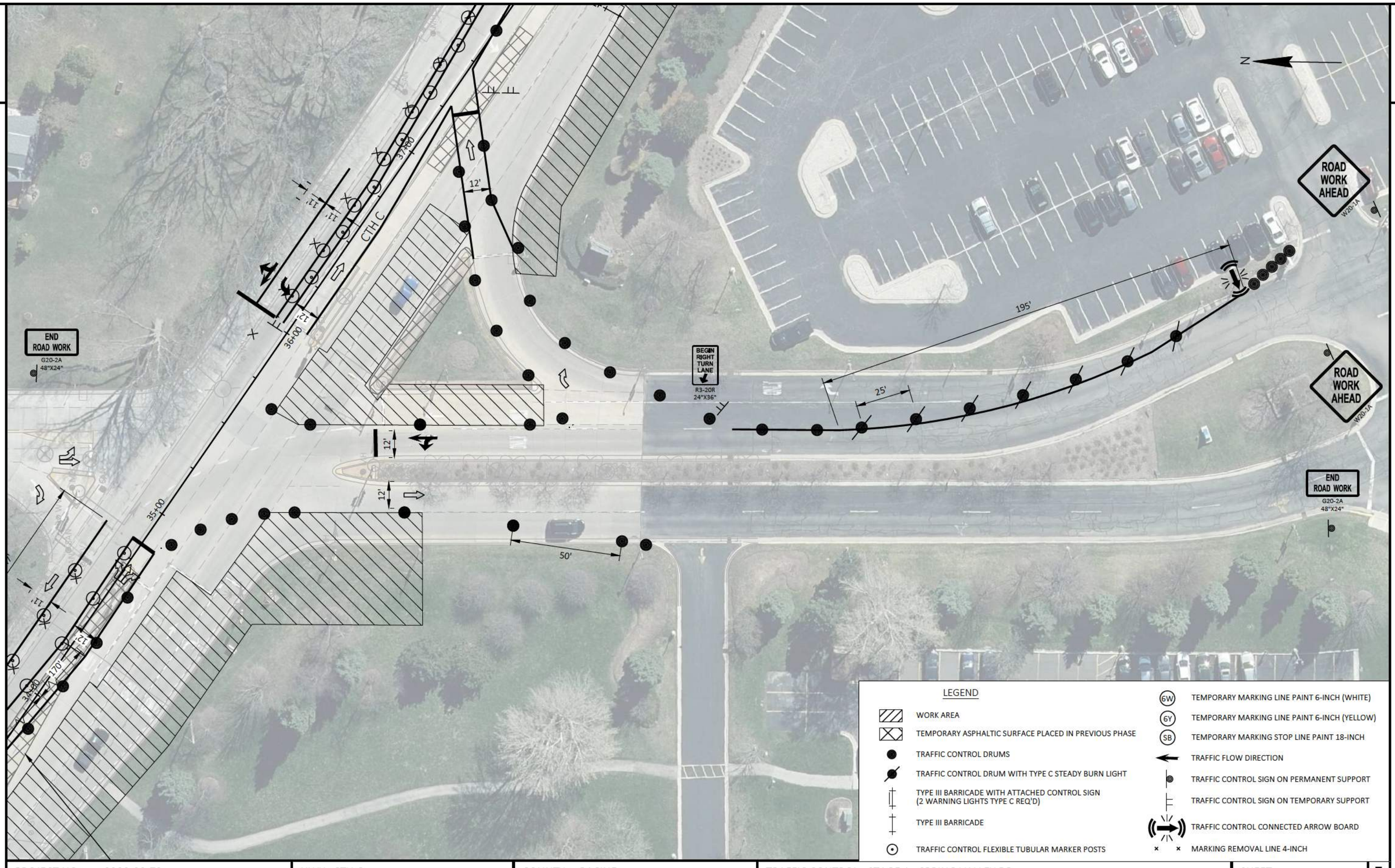
LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

2

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1 - STH 31	SHEET 99	E

2



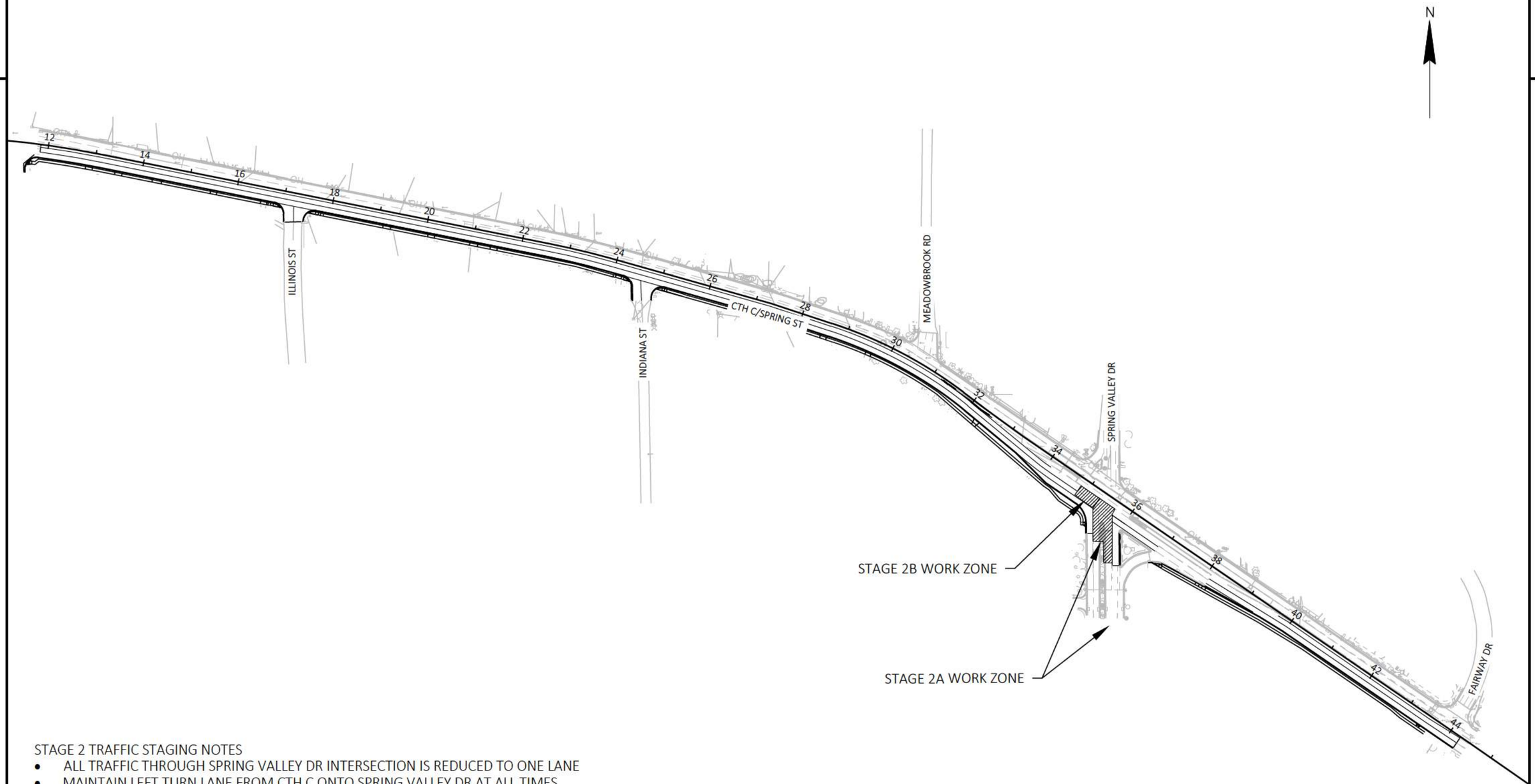
LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE PLACED IN PREVIOUS PHASE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1 - SPRING VALLEY DR	SHEET 100	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S1 DWG
LAYOUT NAME - 200
PLOT DATE : 2/26/2026 4:33 PM
PLOT BY : JORDYN BENN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



STAGE 2 TRAFFIC STAGING NOTES

- ALL TRAFFIC THROUGH SPRING VALLEY DR INTERSECTION IS REDUCED TO ONE LANE
- MAINTAIN LEFT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES
- MAINTAIN RIGHT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES

STAGE 2 CONSTRUCTION

- CONSTRUCT MEDIAN LANES ON SOUTH LEG OF SPRING VALLEY DR INTERSECTION
- CONSTRUCT STAGE 2A FOLLOWED BY STAGE 2B TO ALLOW LEFT TURNS INTO HOSPITAL TO REMAIN OPEN AT ALL TIMES

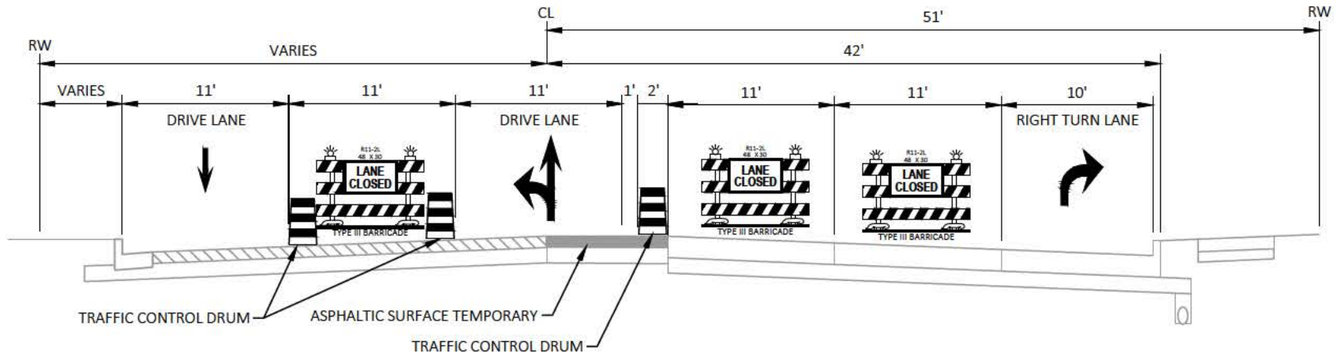
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGING OVERVIEW - STAGE 2	SHEET 101	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-TC-OVERVIEW DWG
LAYOUT NAME - STAGE 2 OVERVIEW

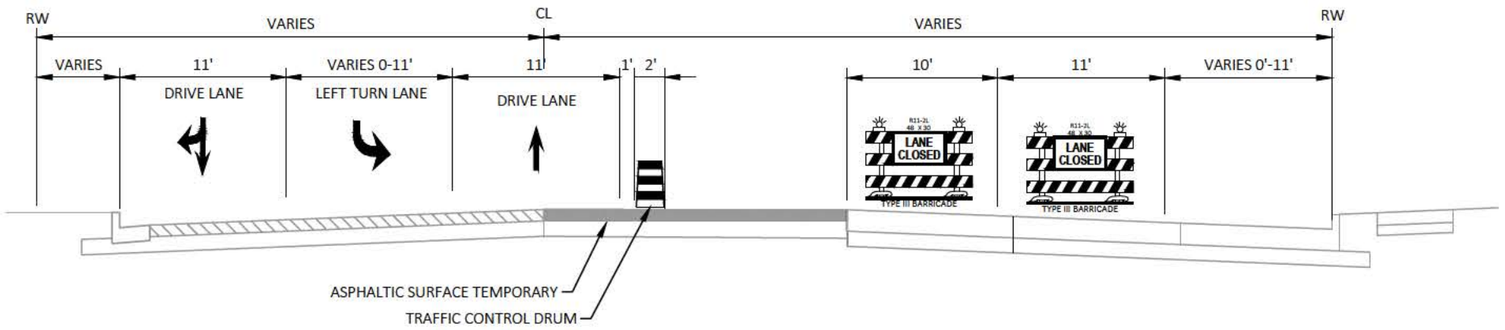
PLOT DATE : 2/26/2026 5:06 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2



CTH C STAGE 2
STA 33+00 - STA 34+83

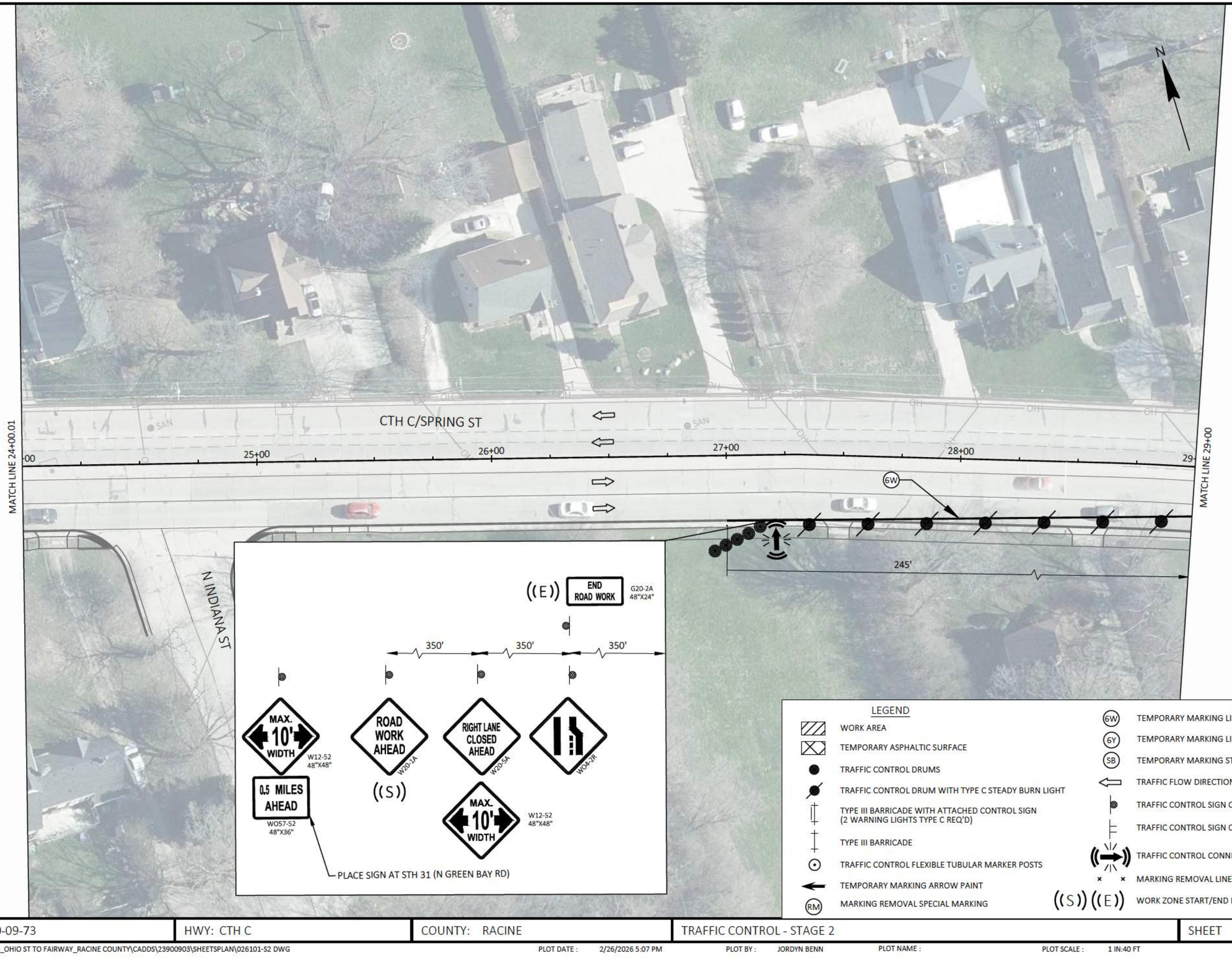


CTH C STAGE 2
STA 36+00 - STA 36+78

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 2 TYPICAL SECTIONS	SHEET 102	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S2-TS DWG
LAYOUT NAME - 01-10ft
PLOT DATE : 2/26/2026 5:07 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:10 FT

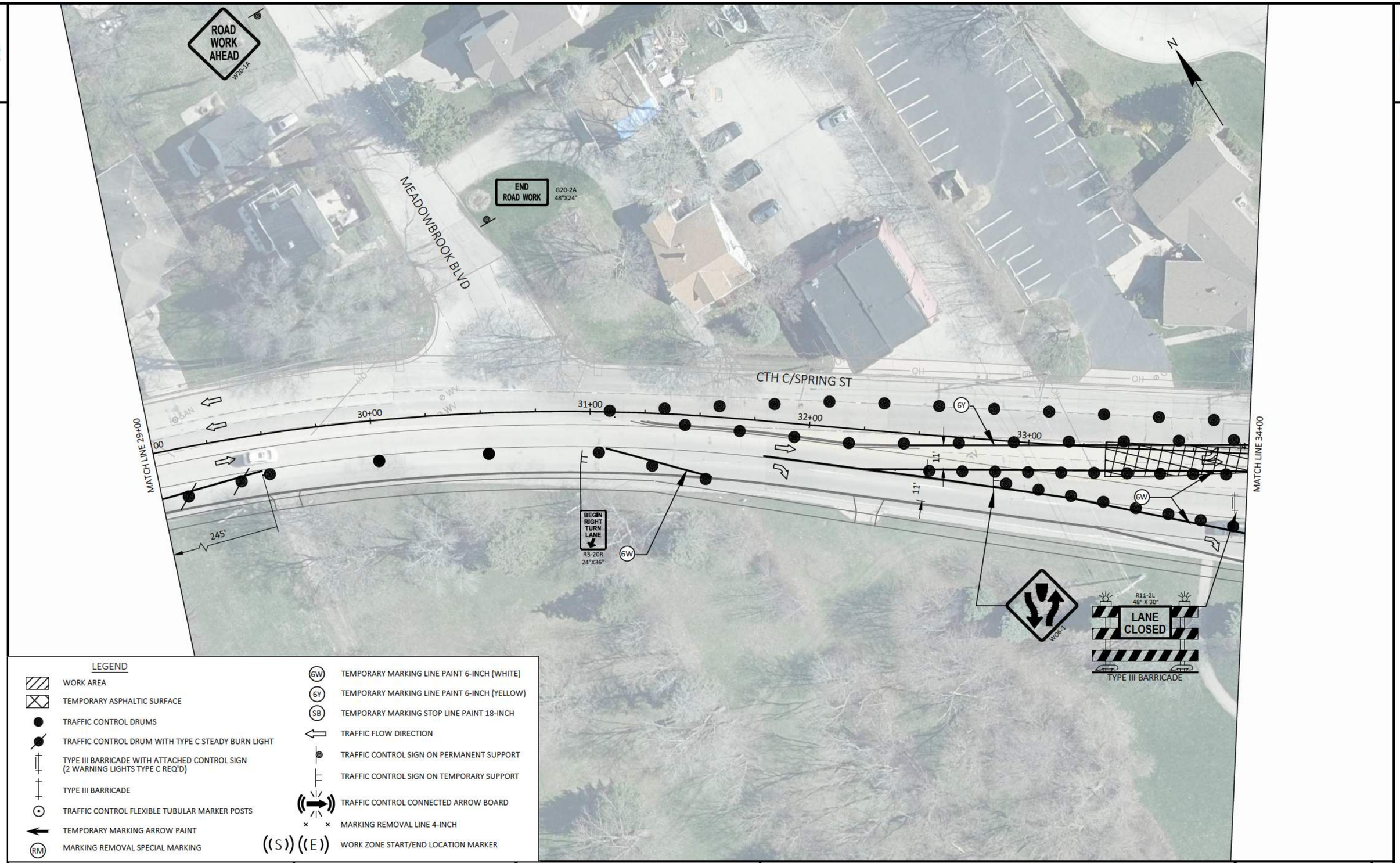
2



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 103 E

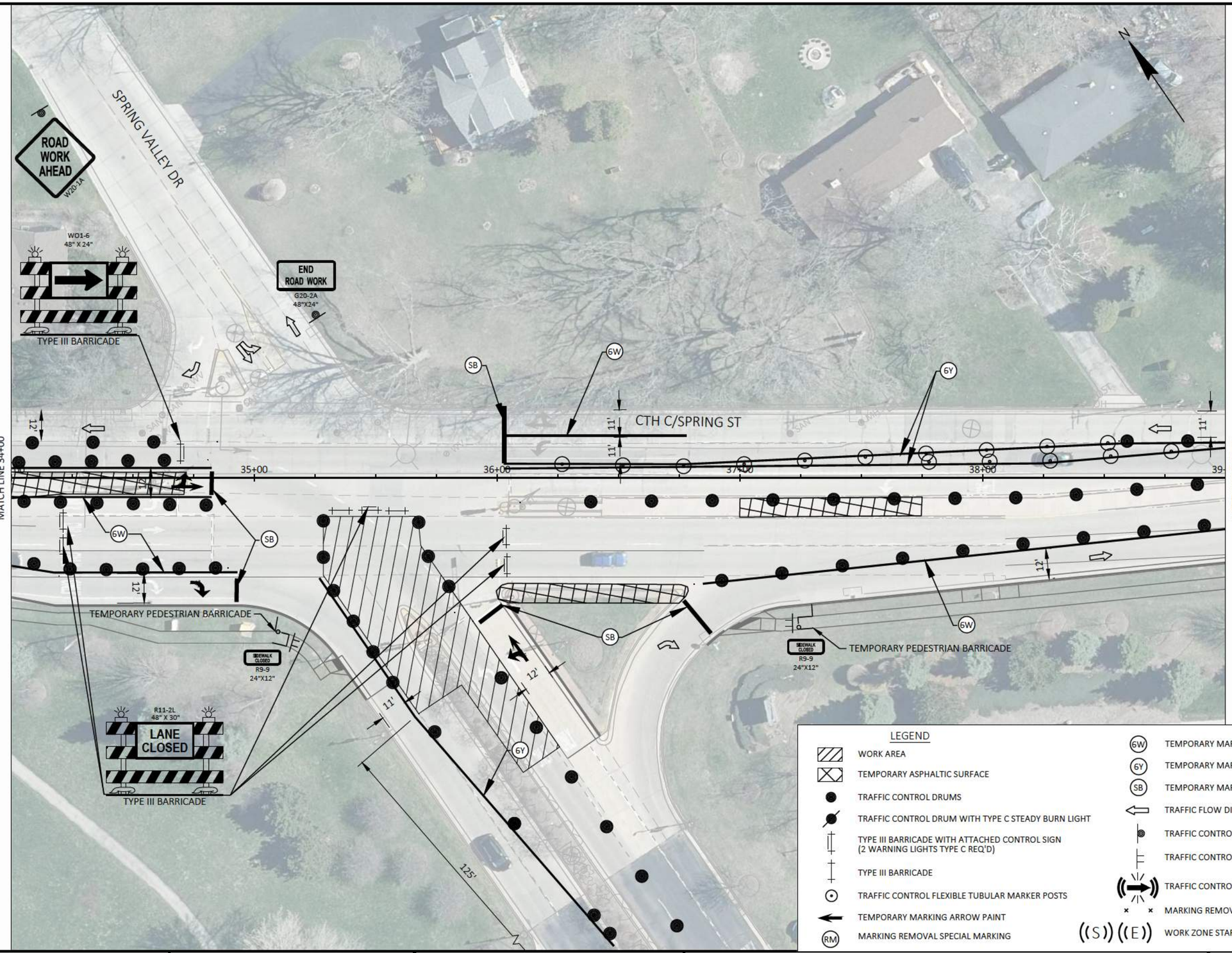
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S2 DWG
LAYOUT NAME - 20
PLOT DATE : 2/26/2026 5:07 PM
PLOT BY : JORDYN BENN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



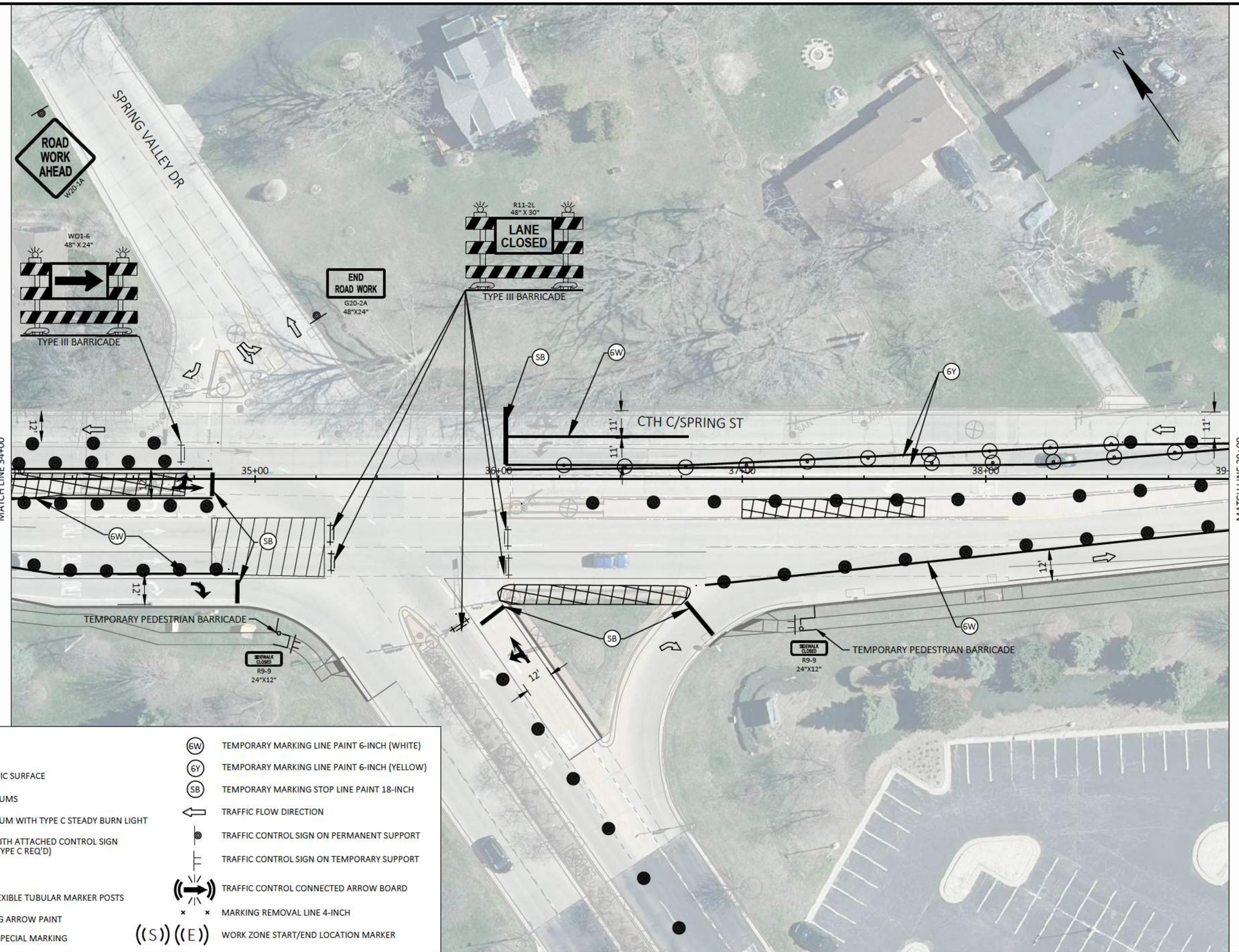
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 104	E

2



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2A	SHEET 105	E

2



LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2B	SHEET 106	E

2

CONSTRUCTION NOTES:

AUDIBLE MESSAGE: "ATTENTION PEDESTRIANS: YOU ARE AT THE NORTHWEST CORNER OF SPRING ST AND FAIRWAY DR. THE CROSSING IS CLOSED. DETOUR EAST OR WEST TO CROSS SPRING ST.

ROAD WORK AHEAD
W20-1A

N

FAIRWAY DR

W01-6
48" X 24"

TYPE III BARRICADE

TEMPORARY AUDIBLE MESSAGE DEVICE

M4-60D
30"X24"

WO4-3R
48 X48

6Y

CTH C/SPRING ST

MATCH LINE 39+00

40+00

41+00

42+00

43+00

MATCH LINE 44+00

12'

11'

11'

12'

6W

WO4-3L
48 X48

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
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- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S)) ((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 107	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S2 DWG
LAYOUT NAME - 23

PLOT DATE : 2/26/2026 5:08 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

END ROAD WORK
G20-2A
48"X24"

WO1-6
48 24"

TYP II BARRICADE

245'

MARKIN LIN REMOVABL TAP 4-INC

6Y

CTH C/SPRING ST

45+00

46+00

47+00

48+00

OSBORN BLVD.

N

MAX. 10' WIDTH
W12-52
48"X48

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

MAX. 10' WIDTH
W12-52
48"X48

1.25 MILES AHEAD
WO57-52
48"X36"

W04-2L

350

350'

350'

PLAC SIG A ST 3 (STAT ST

END ROAD WORK
G20-2A
48"X24

(E)

LEGEND

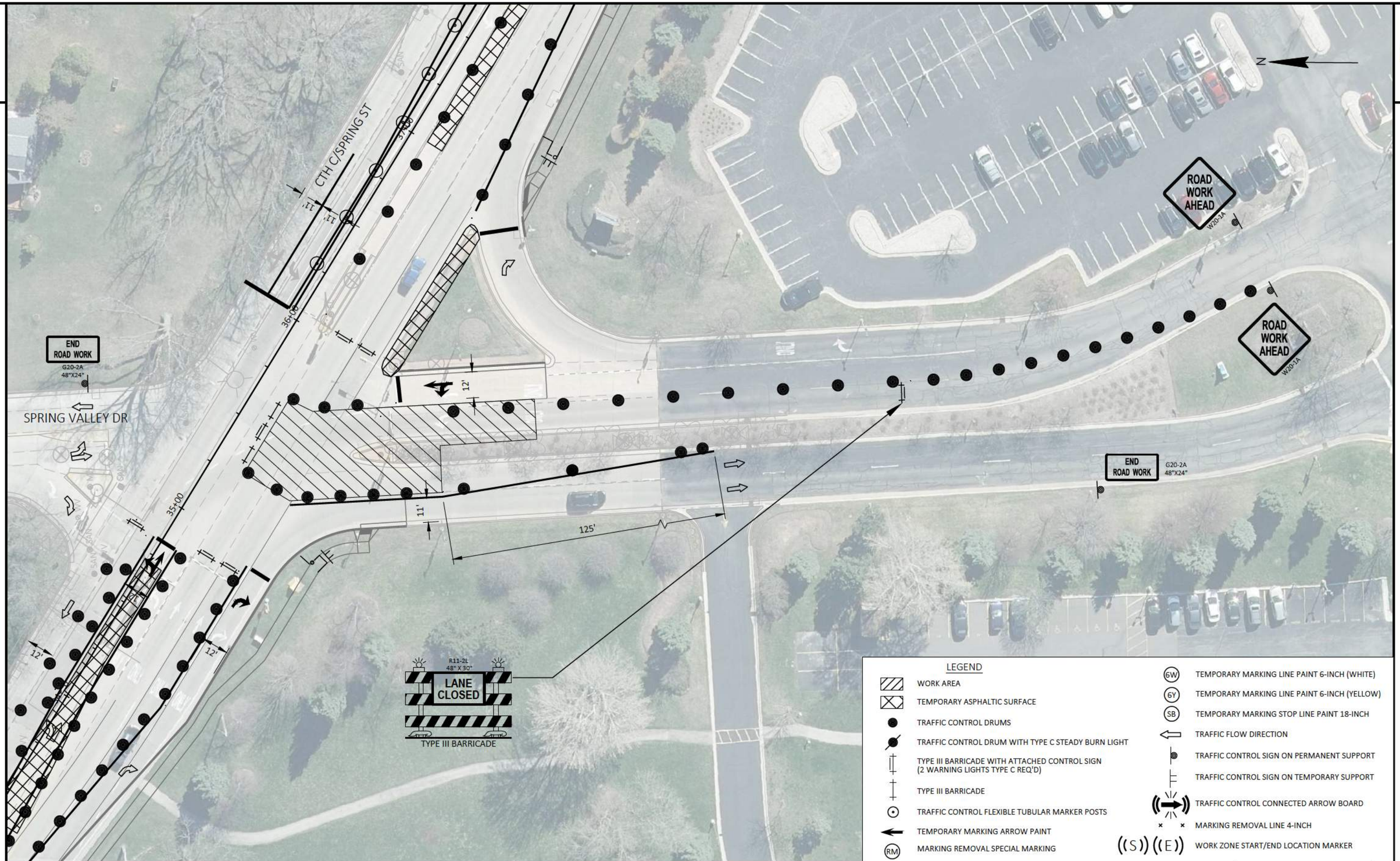
- WOR AREA
- TEMPORAR ASPHALTI SURFACE
- TRAFFI CONTRO DRUMS
- TRAFFI CONTRO DRU WIT TYP STEAD BUR LIGHT
- TYP II BARRICAD WIT ATTACHE CONTRO SIG (WARNIN LIGHT TYP REQ'D)
- TYP II BARRICAD
- TRAFFI CONTRO FLEXIBL TUBULA MARKE POSTS
- TEMPORAR MARKIN ARRO PAINT
- (RM) MARKIN REMOVA SPECIA MARKING
- (6W) TEMPORAR MARKIN LIN PAIN 6-INC (WHITE)
- (6Y) TEMPORAR MARKIN LIN PAIN 6-INC (YELLOW)
- (SB) TEMPORAR MARKIN STO LIN PAIN 18-INCH
- TRAFFI FLO DIRECTION
- TRAFFI CONTRO SIG O PERMANEN SUPPORT
- TRAFFI CONTRO SIG O TEMPORAR SUPPORT
- TRAFFI CONTRO CONNECTE ARRO BOARD
- MARKIN REMOVA LIN 4-INCH
- (S) (E) WOR ZON START/EN LOCATIO MARKER

PROJEC NO: 2390-09-73	HWY: CT C	COUNTY: RACINE	TRAFFI CONTRO STAG 2	SHEE 108 E

FIL NAM : Y:\56XX\5624_CT C_OHI S T FAIRWAY_RACIN COUNTY\CADDS\23900903\SHEETSPLAN\026101-S .DWG LAYOU NAM 24

PLO DAT : 2/26/202 5:0 PM PLO B : JORDY BENN PLO NAM PLO SCAL : IN:4 FT

2



LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S)) ((E)) WORK ZONE START/END LOCATION MARKER

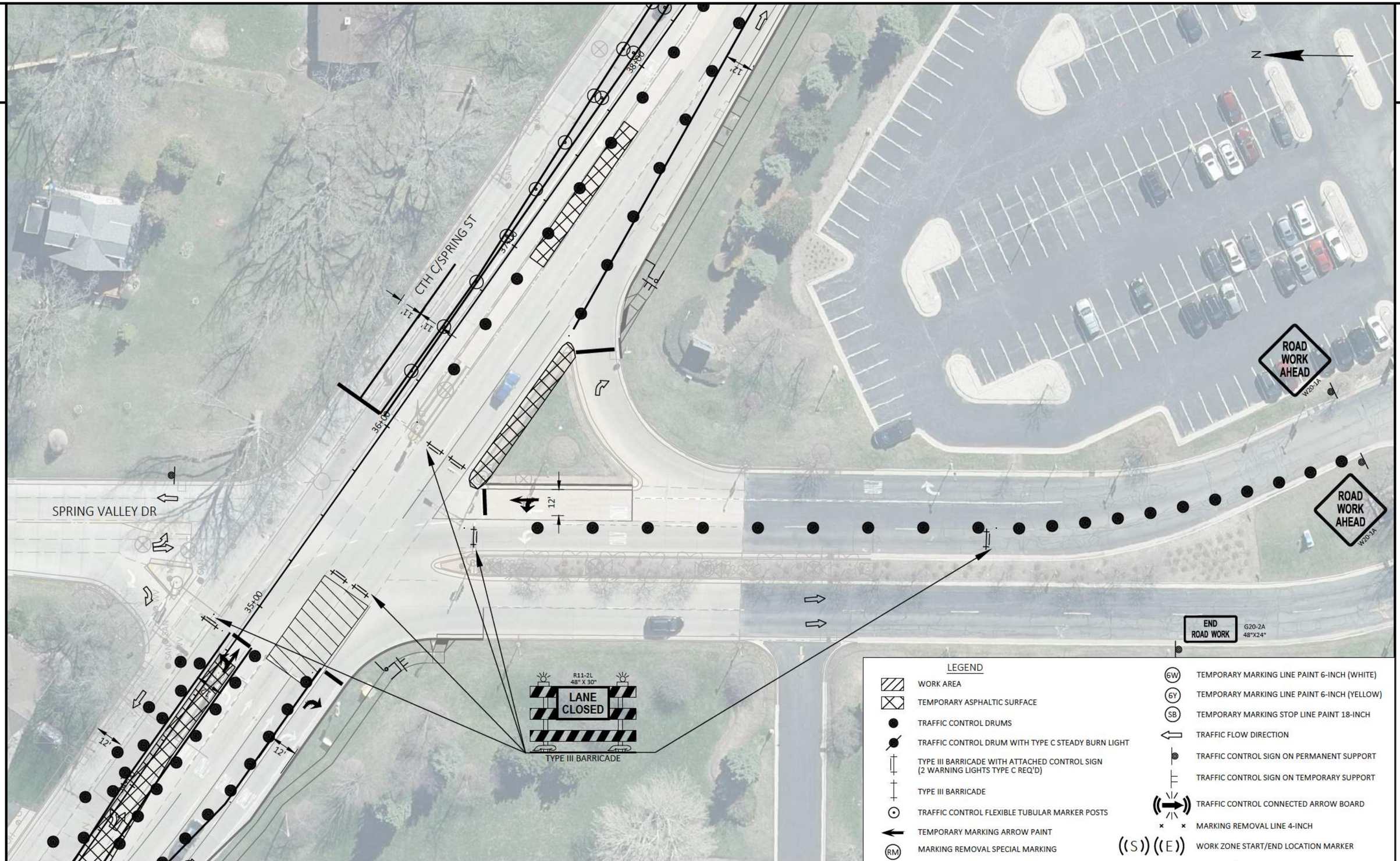
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2A - SPRING VALLEY DR	SHEET 109	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S2 DWG
LAYOUT NAME - 100

PLOT DATE : 2/26/2026 5:08 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

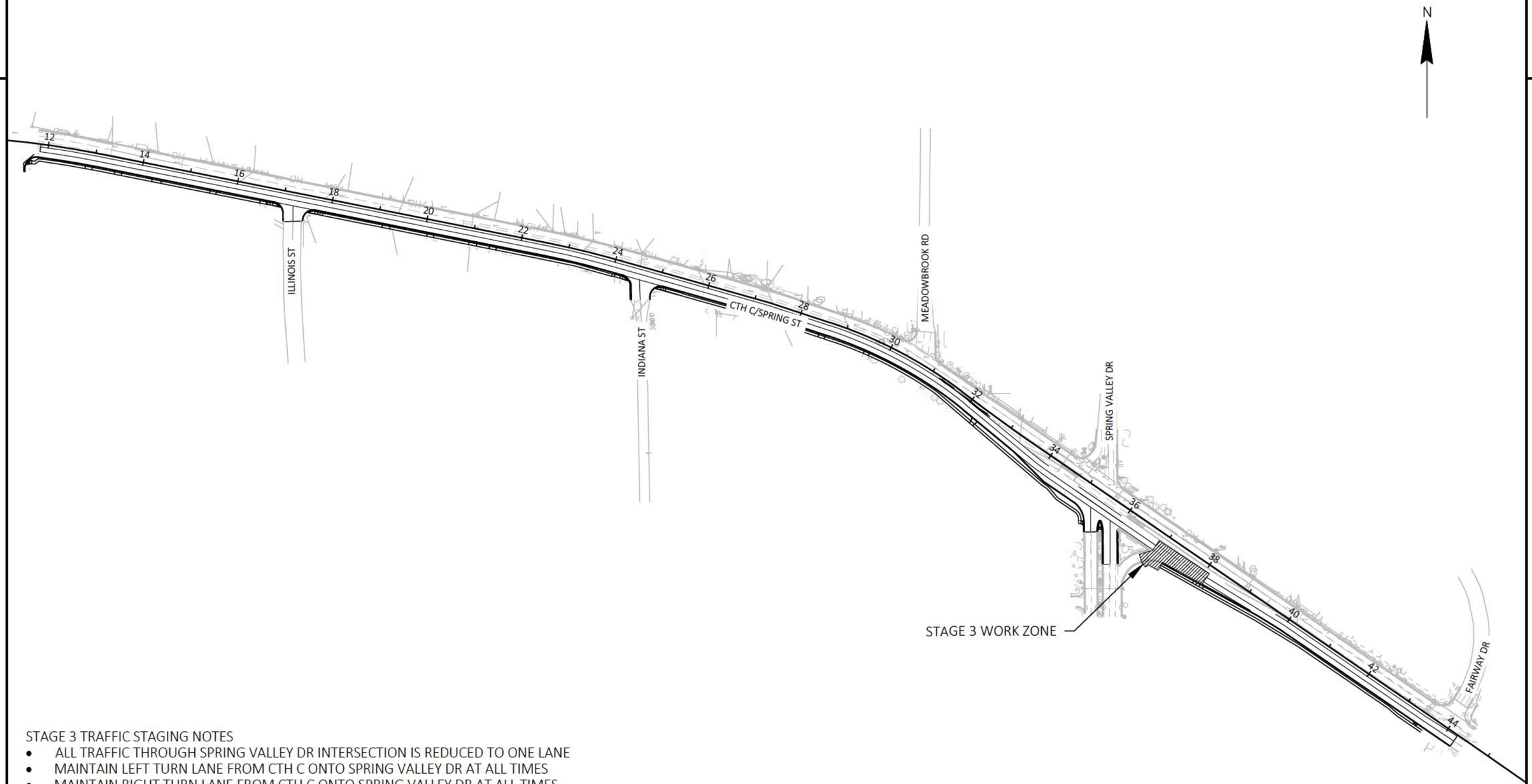


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2B - SPRING VALLEY DR	SHEET 110	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S2 DWG
LAYOUT NAME - 101

PLOT DATE : 2/26/2026 5:08 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



STAGE 3 TRAFFIC STAGING NOTES

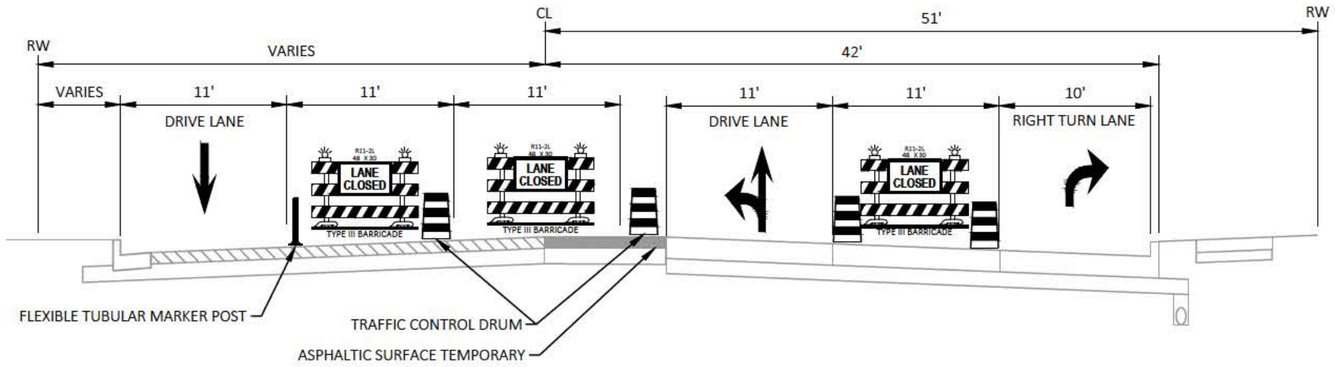
- ALL TRAFFIC THROUGH SPRING VALLEY DR INTERSECTION IS REDUCED TO ONE LANE
- MAINTAIN LEFT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES
- MAINTAIN RIGHT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES

STAGE 3 CONSTRUCTION

- CONSTRUCT EASTBOUND CTH C LANES AND RIGHT TURN LANE FROM SPRING VALLEY DRIVE ONTO CTH C BETWEEN APPROXIMATELY STA 36+75 - STA 38+25

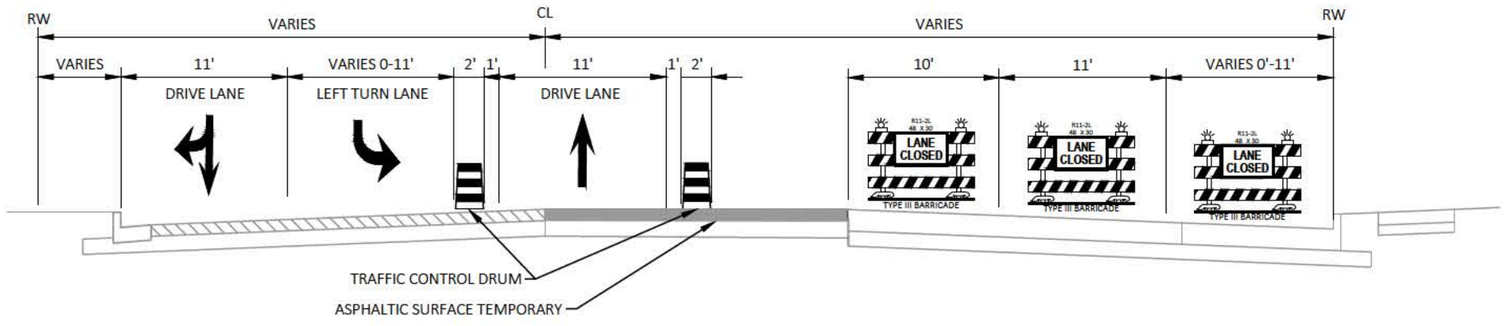
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGING OVERVIEW - STAGE 3	SHEET 111	E

2



CTH C STAGE 3

STA 33+00 - STA 34+83



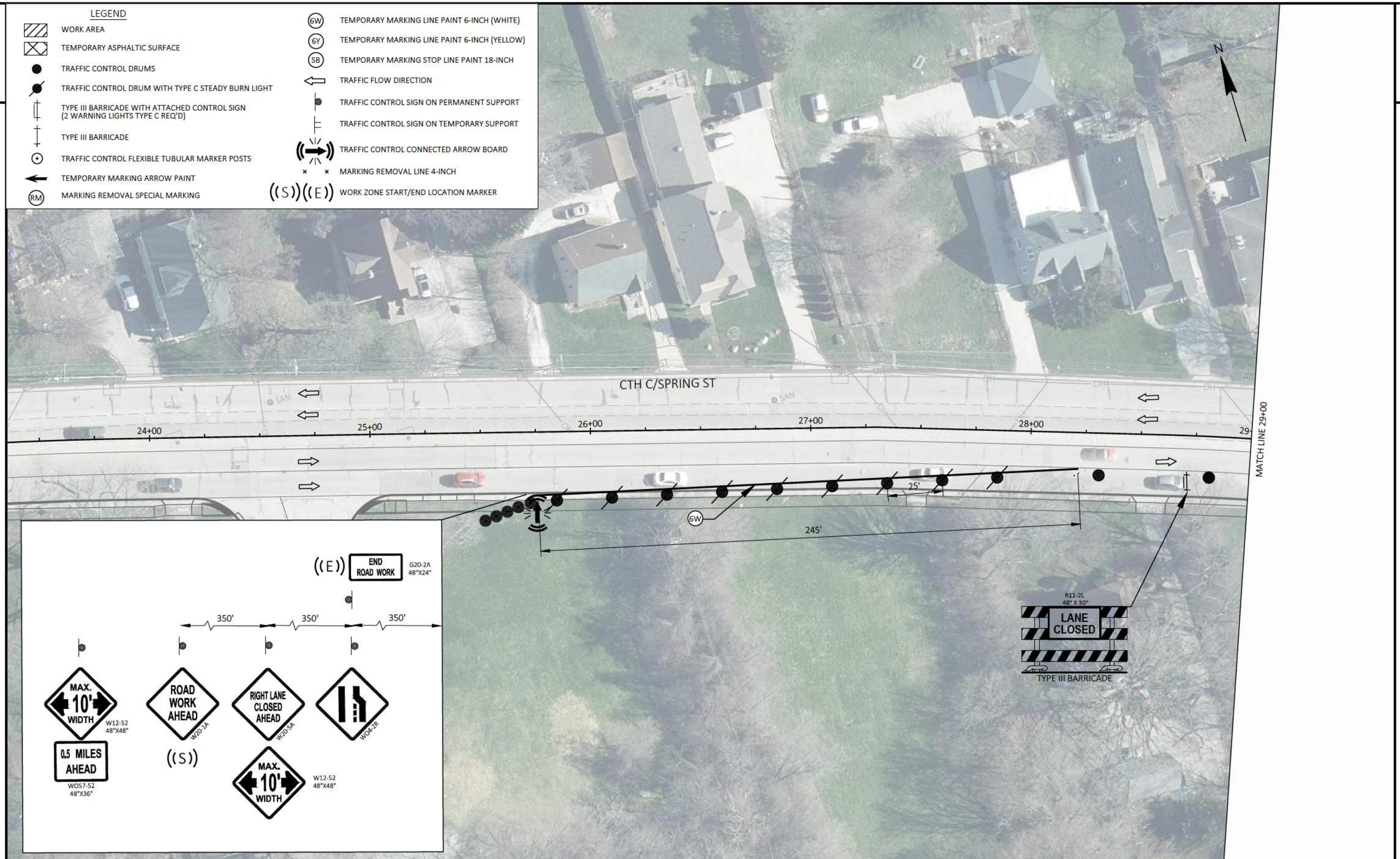
CTH C STAGE 3

STA 36+00 - STA 36+78

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



2

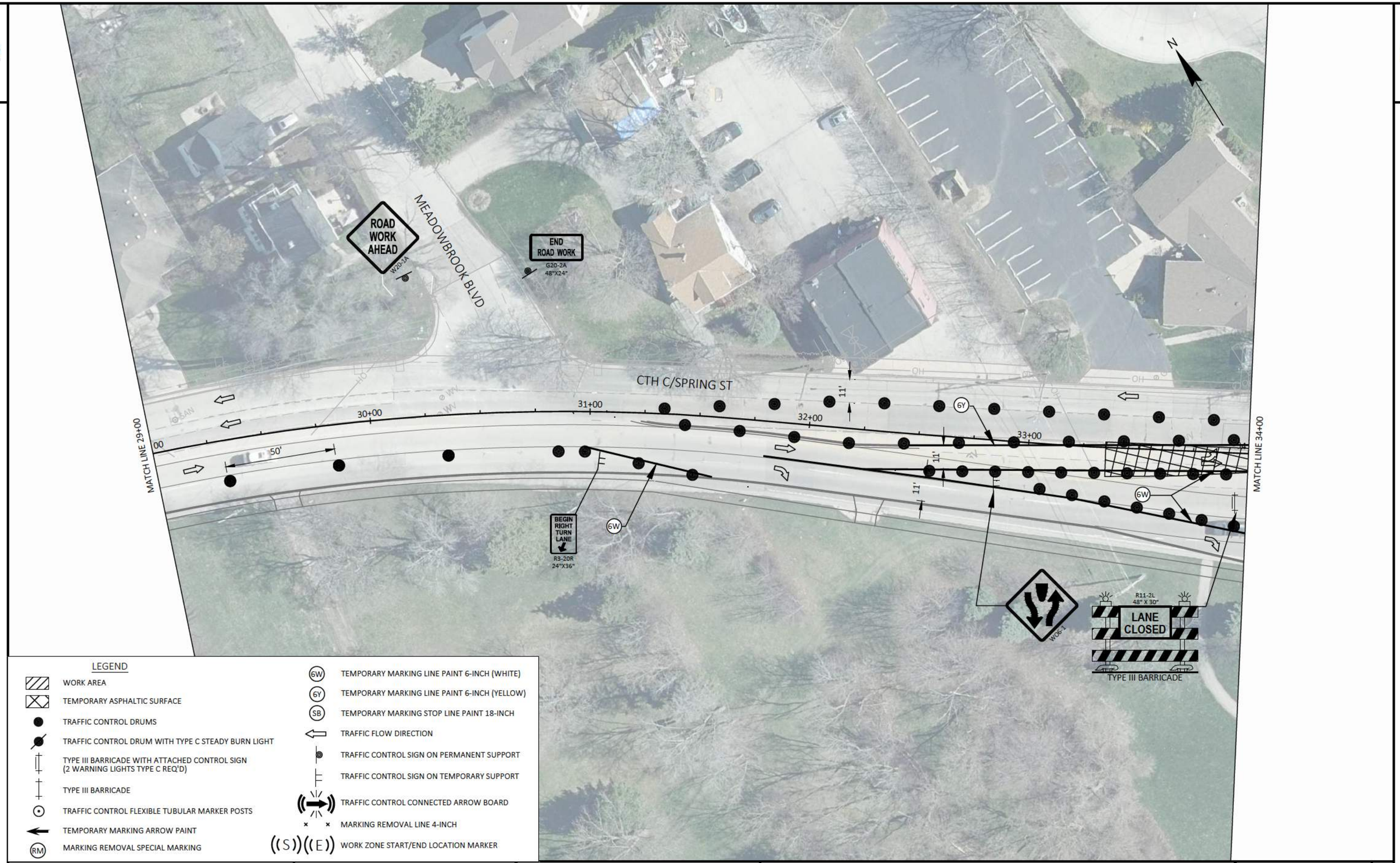
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 113	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S3 DWG
LAYOUT NAME - 20

PLOT DATE : 2/26/2026 5:12 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

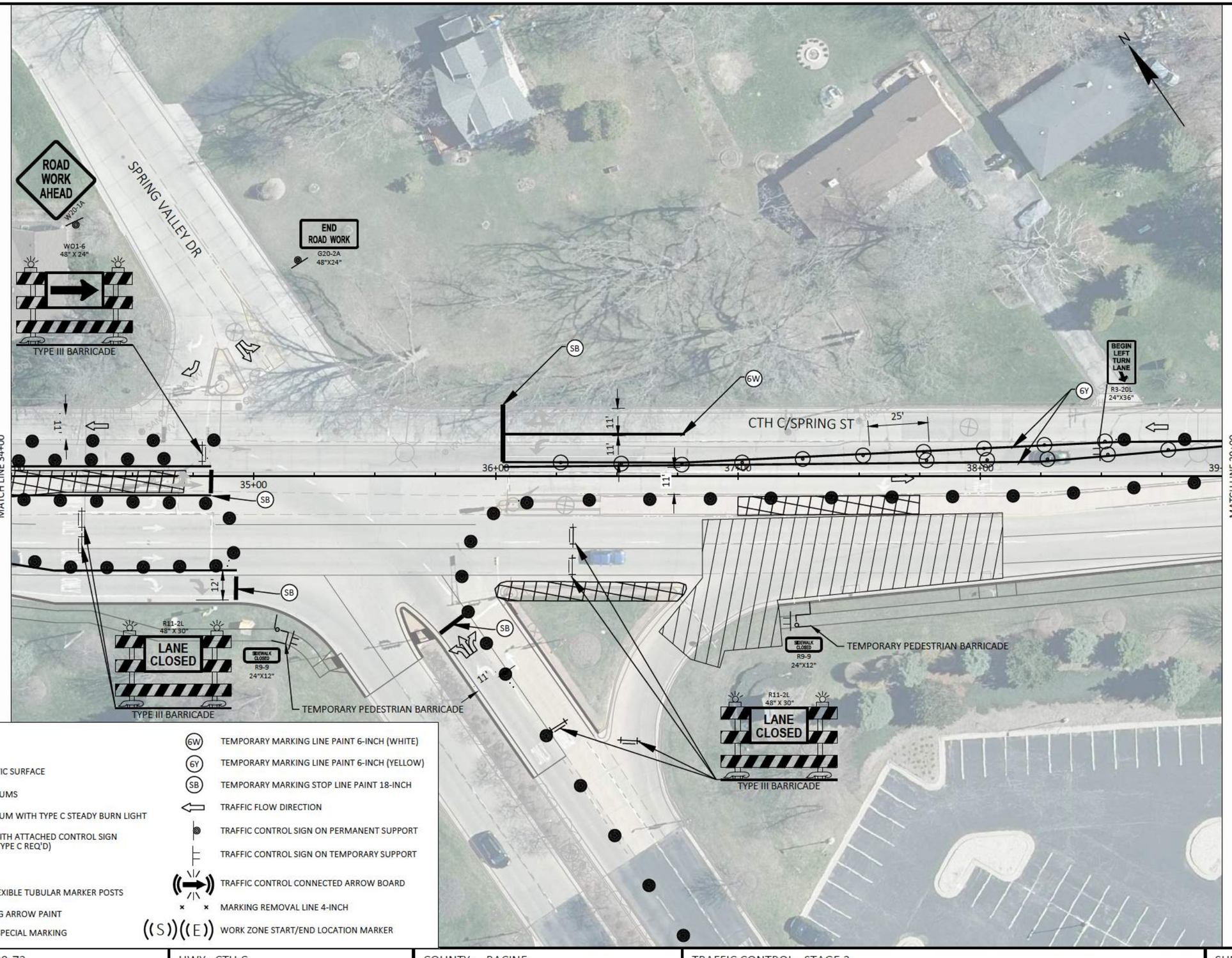


LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 114	E

2



LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
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- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
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- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 115	E

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- (S)(E) WORK ZONE START/END LOCATION MARKER

CONSTRUCTION NOTES:

AUDIBLE MESSAGE: "ATTENTION PEDESTRIANS: YOU ARE AT THE NORTHWEST CORNER OF SPRING ST AND FAIRWAY DR. THE CROSSING IS CLOSED. DETOUR EAST OR WEST TO CROSS SPRING ST.

N

FAIRWAY DR

TEMPORARY AUDIBLE MESSAGE DEVICE

M4-60D
30"X24"

CTH C/SPRING ST

MATCH LINE 39+00

40+00 41+00 42+00 43+00 44+00

12' 12' 11'

6Y 6W

WO1-6
48" X 24"

TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

WO1-6
48" X 24"

TYPE III BARRICADE

2

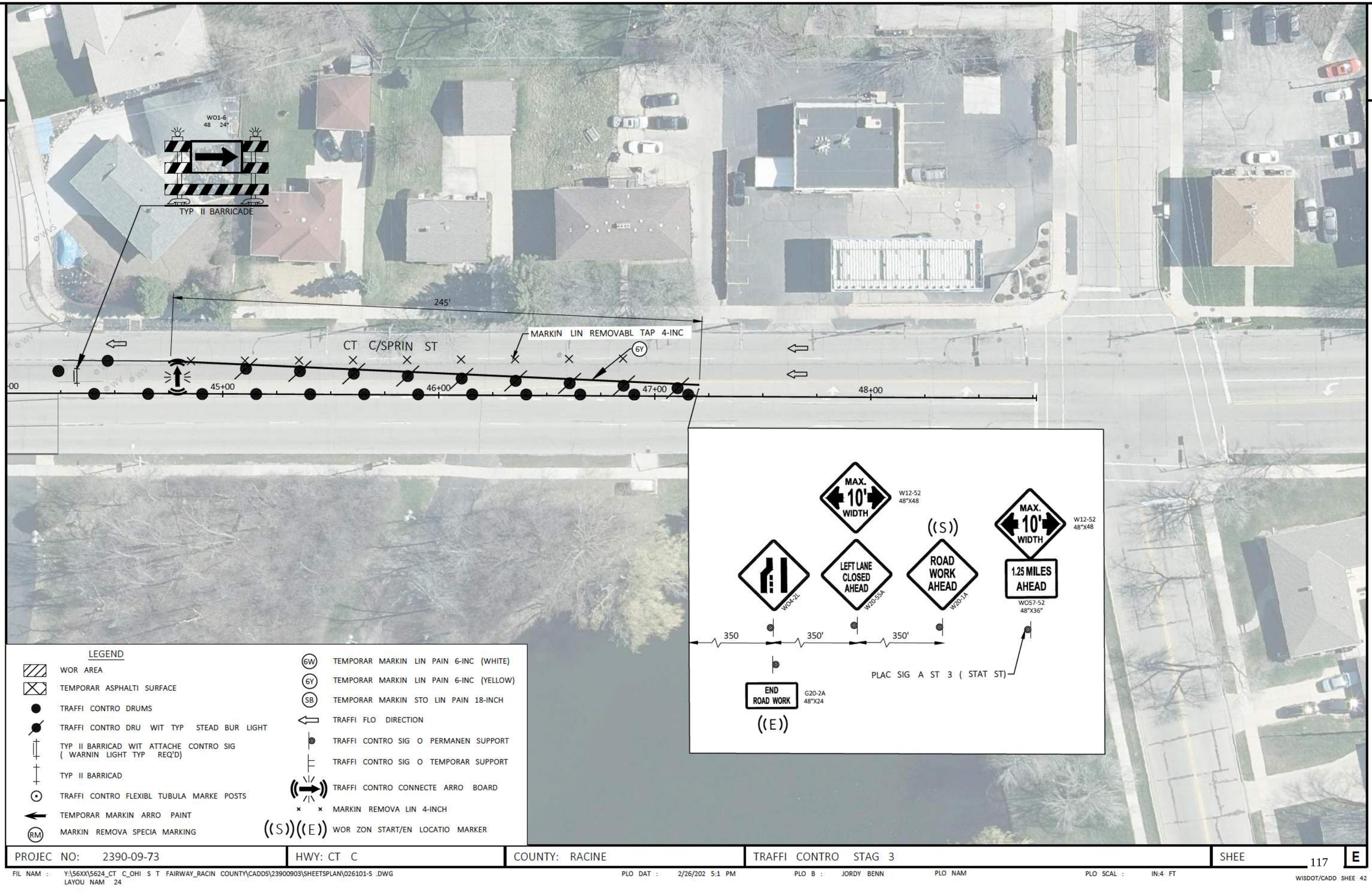
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 116	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S3 DWG
LAYOUT NAME - 23

PLOT DATE : 2/26/2026 5:12 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

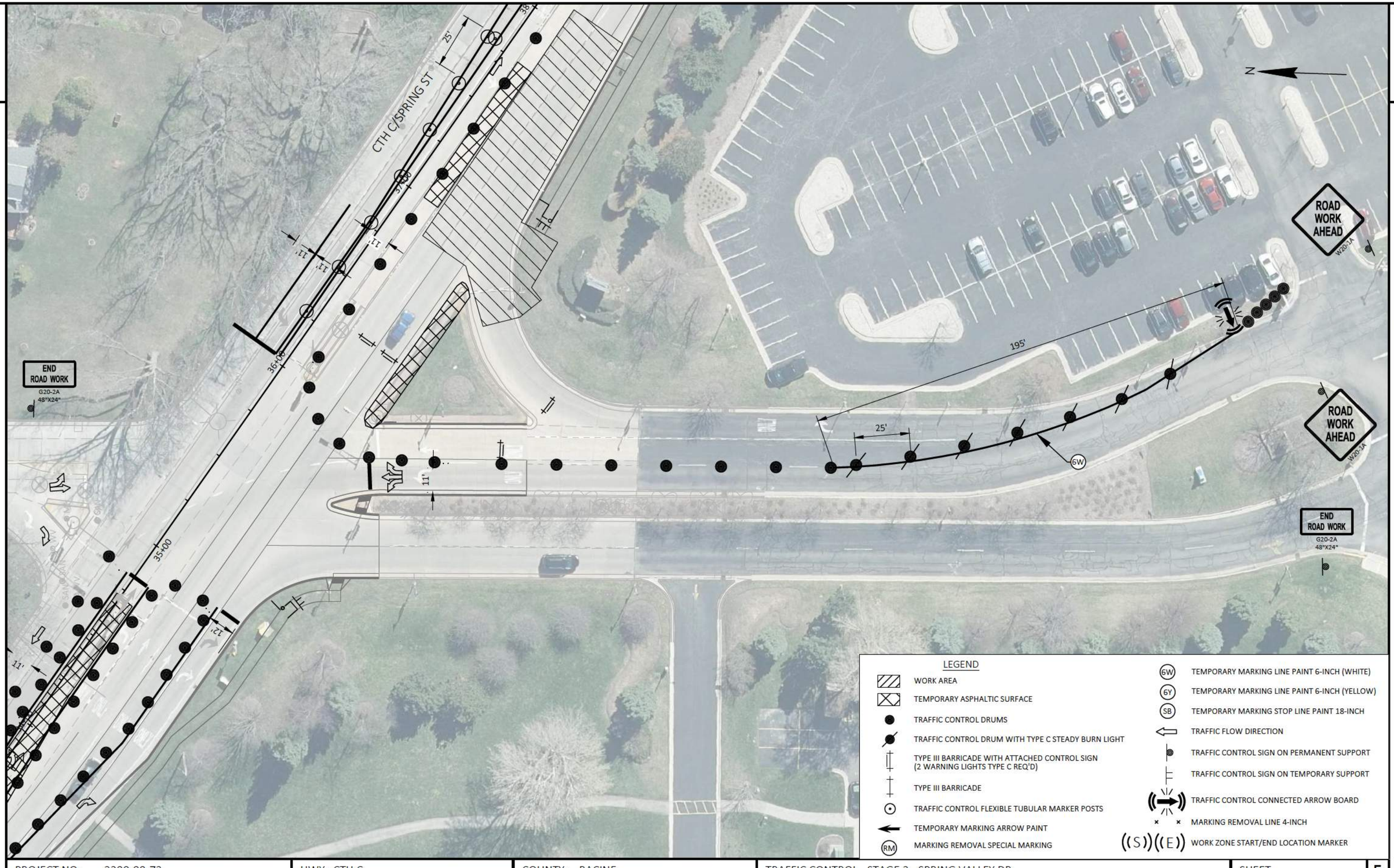


LEGEND

- WOR AREA
- TEMPORAR ASPHALTI SURFACE
- TRAFFI CONTRO DRUMS
- TRAFFI CONTRO DRU WIT TYP STEAD BUR LIGHT
- TYP II BARRICAD WIT ATTACHE CONTRO SIG (WARNIN LIGHT TYP REQ'D)
- TYP II BARRICAD
- TRAFFI CONTRO FLEXIBL TUBULA MARKE POSTS
- TEMPORAR MARKIN ARRO PAINT
- (RM) MARKIN REMOVA SPECIA MARKING
- (6W) TEMPORAR MARKIN LIN PAIN 6-INC (WHITE)
- (6Y) TEMPORAR MARKIN LIN PAIN 6-INC (YELLOW)
- (SB) TEMPORAR MARKIN STO LIN PAIN 18-INCH
- TRAFFI FLO DIRECTION
- TRAFFI CONTRO SIG O PERMANEN SUPPORT
- TRAFFI CONTRO SIG O TEMPORAR SUPPORT
- TRAFFI CONTRO CONNECTE ARRO BOARD
- MARKIN REMOVA LIN 4-INCH
- ((S))((E)) WOR ZON START/EN LOCATIO MARKER

PROJEC NO: 2390-09-73	HWY: CT C	COUNTY: RACINE	TRAFFI CONTRO STAG 3	SHEE 117 E

2

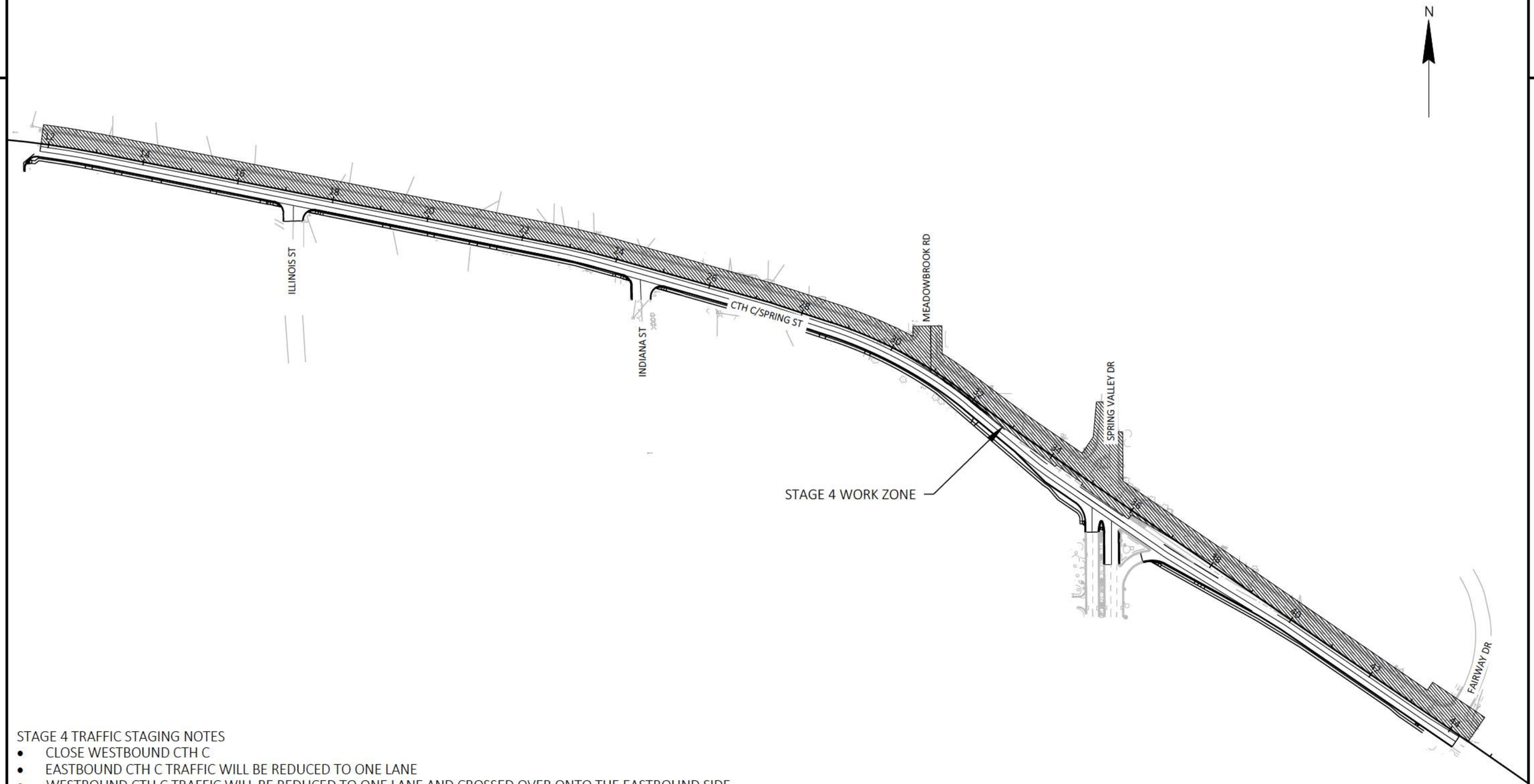


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3 - SPRING VALLEY DR	SHEET 118	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S3 DWG
LAYOUT NAME - 100

PLOT DATE : 2/26/2026 5:13 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



STAGE 4 TRAFFIC STAGING NOTES

- CLOSE WESTBOUND CTH C
- EASTBOUND CTH C TRAFFIC WILL BE REDUCED TO ONE LANE
- WESTBOUND CTH C TRAFFIC WILL BE REDUCED TO ONE LANE AND CROSSED OVER ONTO THE EASTBOUND SIDE
- MAINTAIN WESTBOUND TO SOUTHBOUND LEFT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES
- MAINTAIN EASTBOUND TO SOUTHBOUND RIGHT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES

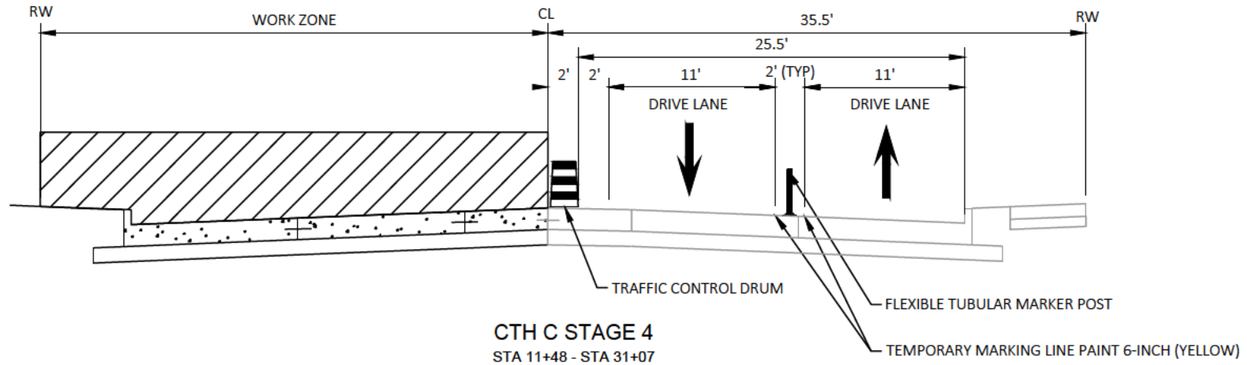
STAGE 4 CONSTRUCTION

- CONSTRUCT PROPOSED PAVEMENT ON WESTBOUND SIDE OF CTH C

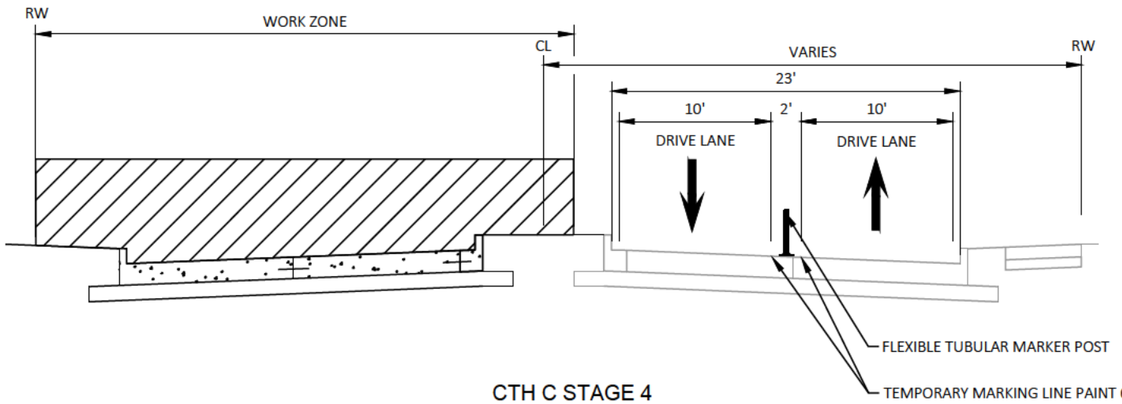
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGING OVERVIEW - STAGE 4	SHEET 119	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-TC-OVERVIEW DWG
LAYOUT NAME - STAGE 4 OVERVIEW

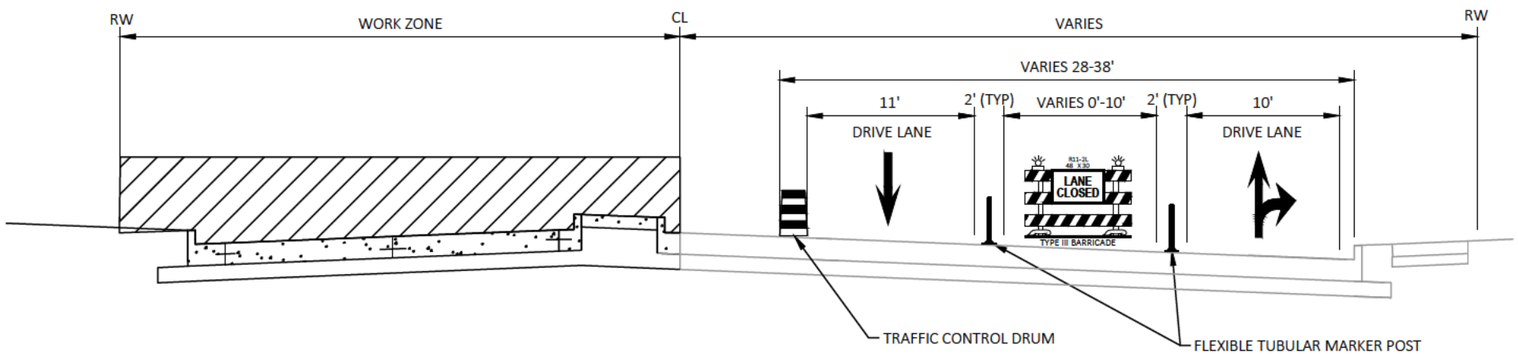
PLOT DATE : 2/26/2026 11:31 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:200 FT



CTH C STAGE 4
STA 11+48 - STA 31+07



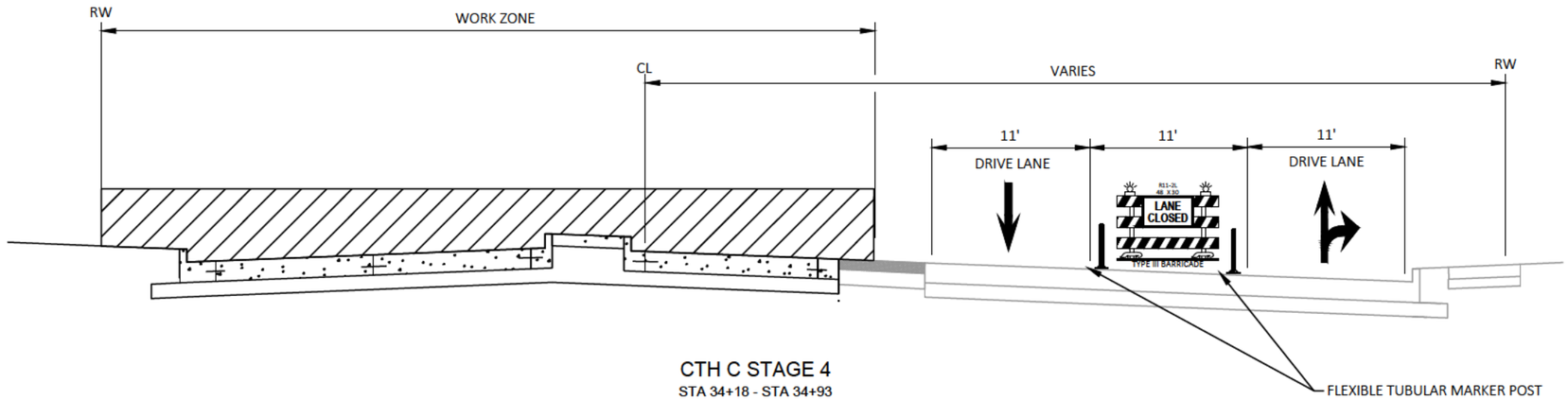
CTH C STAGE 4
STA 31+07 - STA 32+58



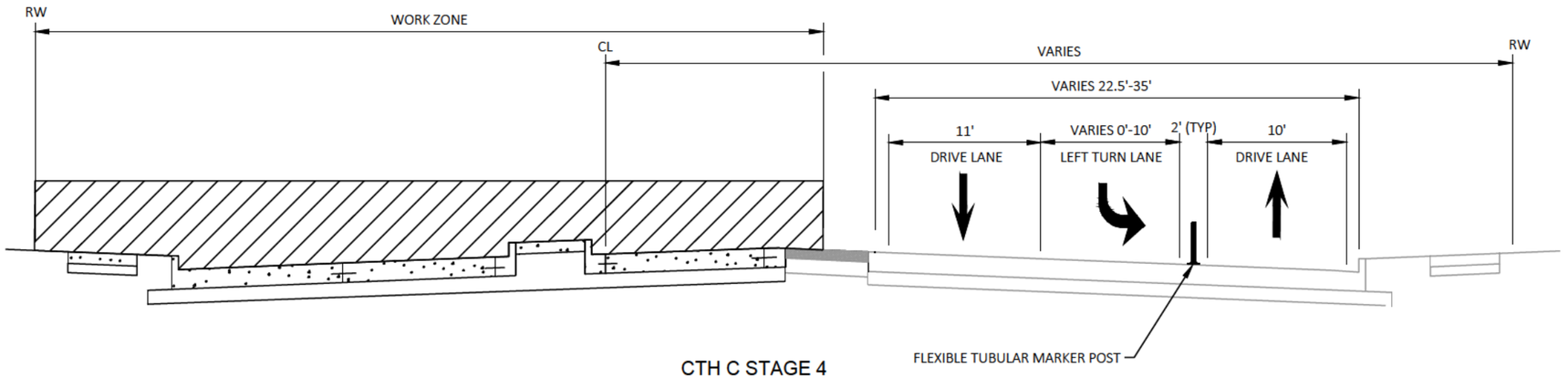
CTH C STAGE 4
STA 32+58 - STA 34+18

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4 TYPICAL SECTIONS	SHEET 120	E

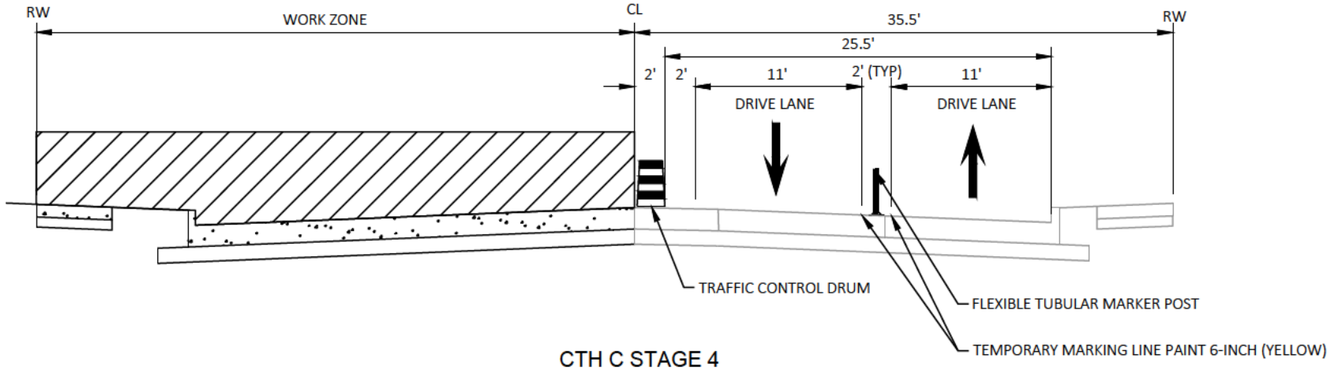
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4-TS DWG
LAYOUT NAME - 01-10ft
PLOT DATE : 2/26/2026 11:31 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:10 FT



CTH C STAGE 4
STA 34+18 - STA 34+93



CTH C STAGE 4
STA 36+00 - STA 39+78

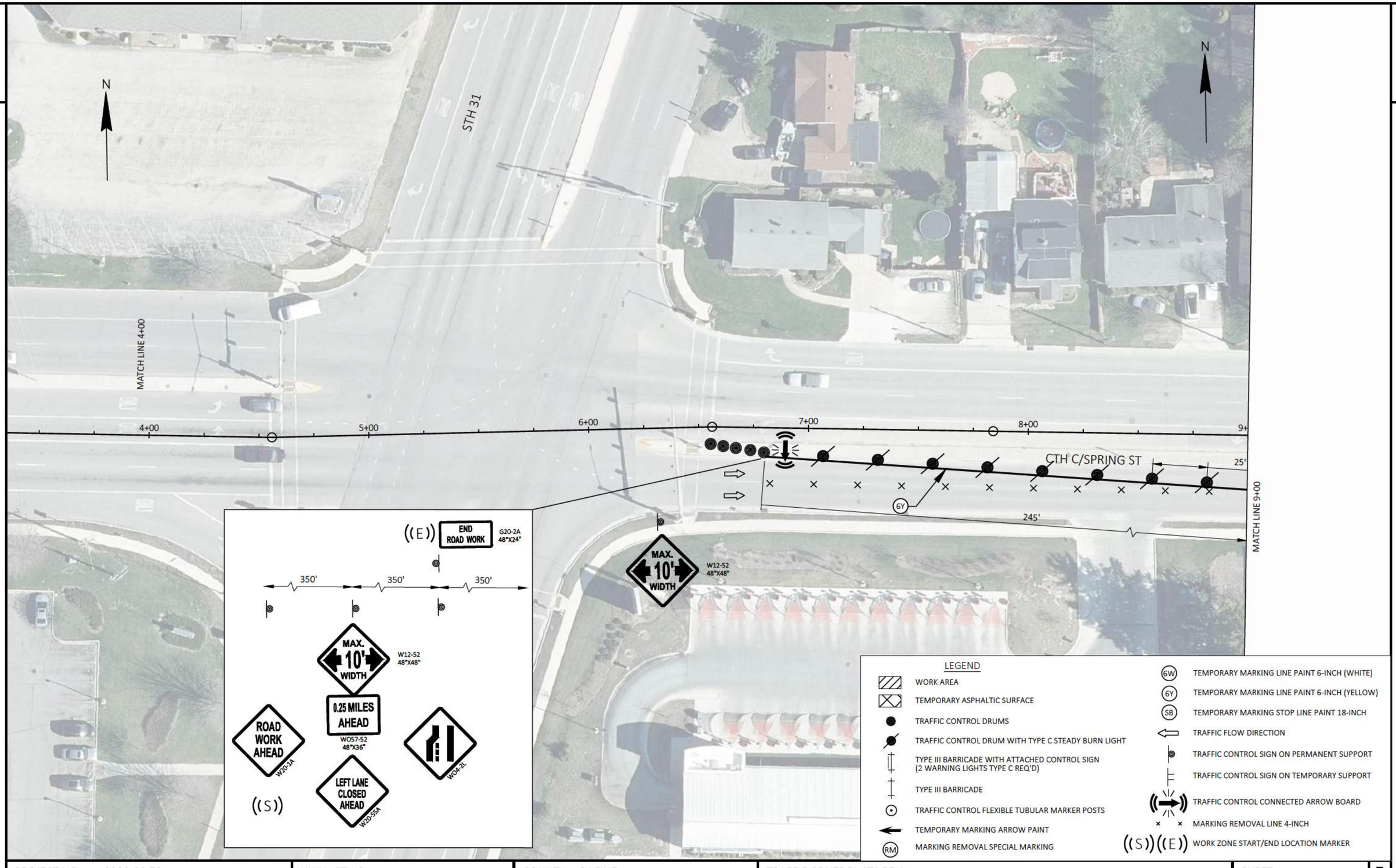


CTH C STAGE 4
STA 39+78 - STA 44+45

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4 TYPICAL SECTIONS	SHEET 121	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4-TS DWG
LAYOUT NAME - 02-10ft
PLOT DATE : 2/26/2026 11:31 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



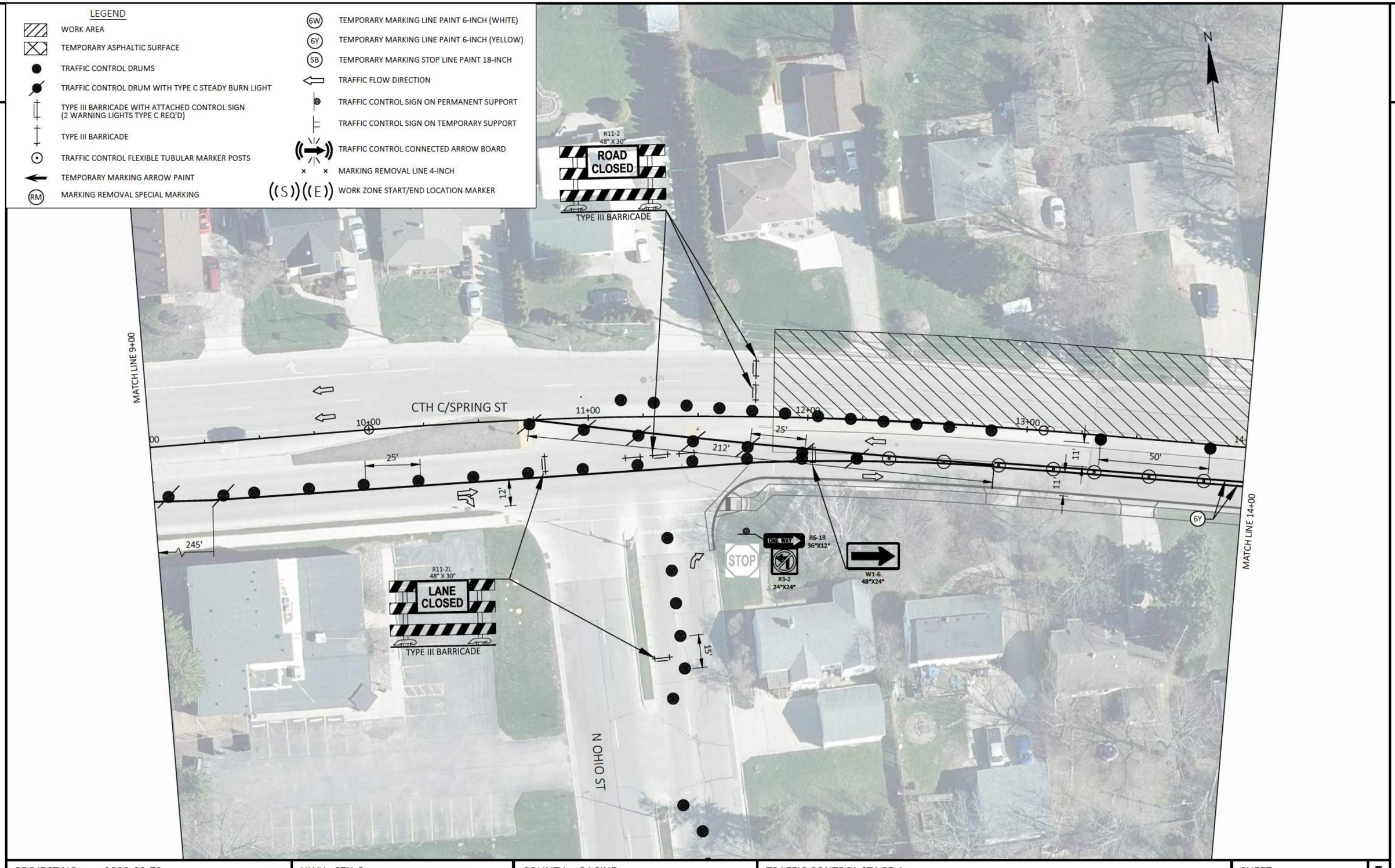
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 122	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 19
PLOT DATE : 2/26/2026 5:18 PM
PLOT BY : JORDYN BENN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- (S)(E) WORK ZONE START/END LOCATION MARKER



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 123	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 20

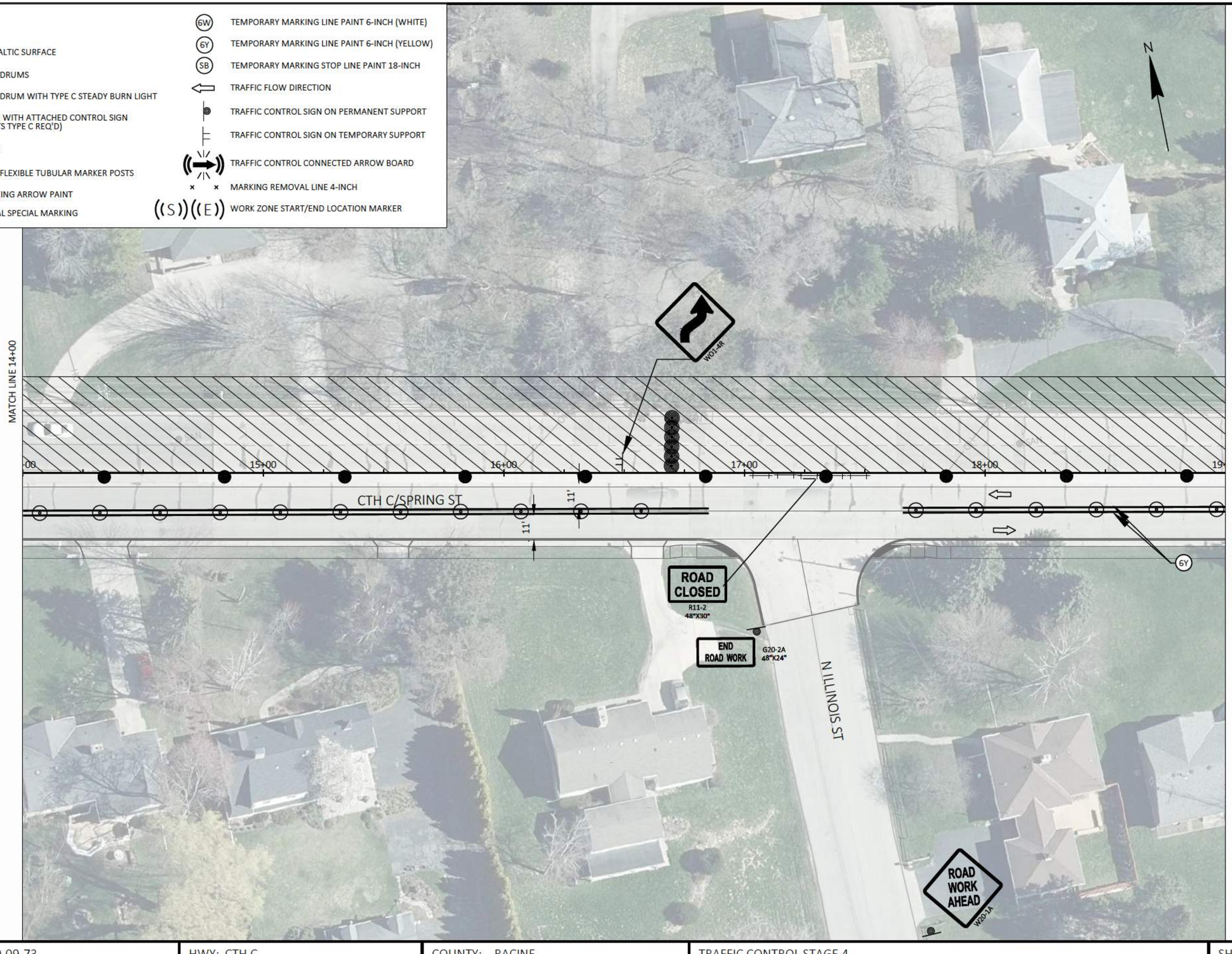
PLOT DATE : 2/26/2026 5:18 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



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PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 124	E

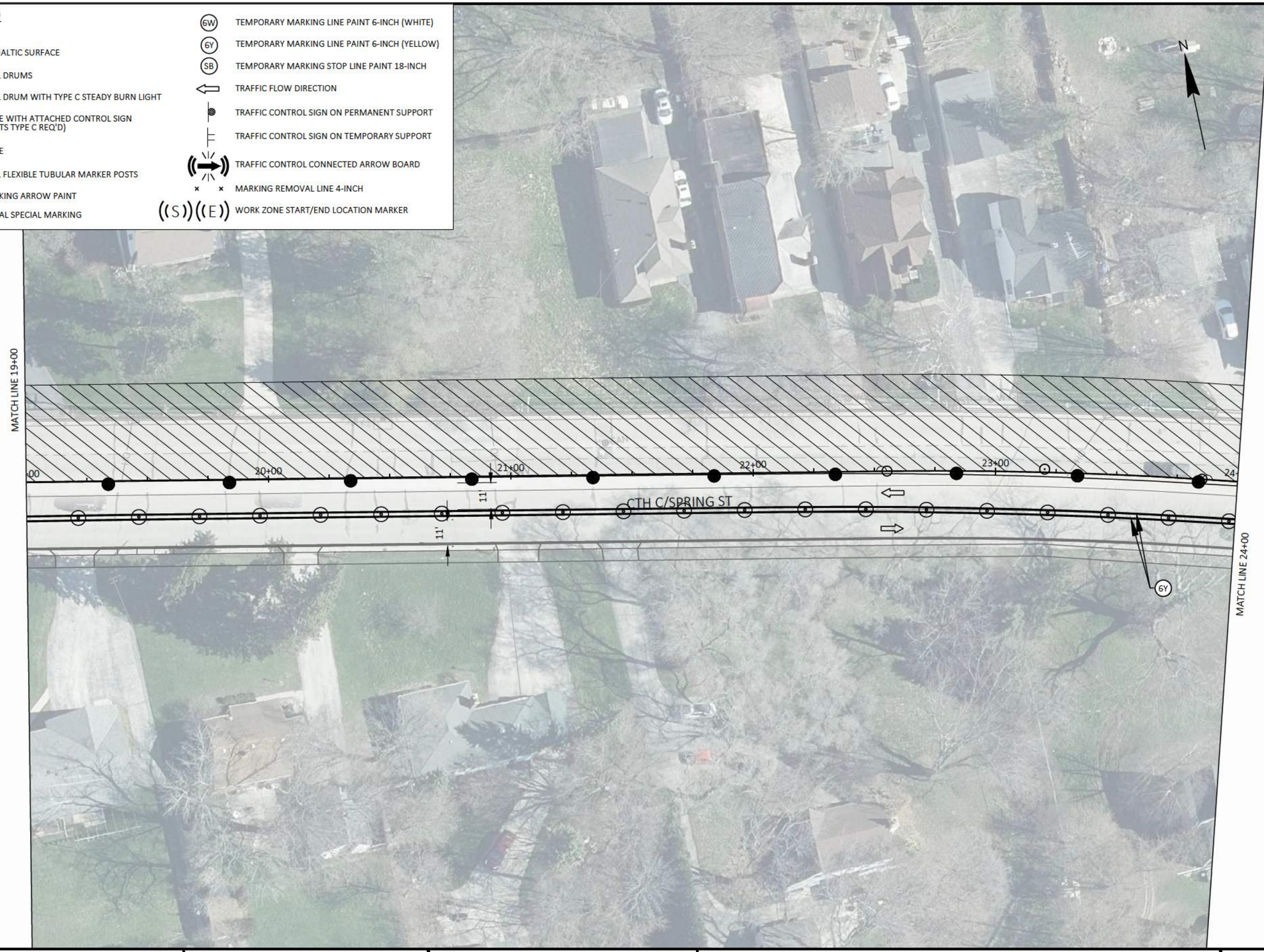
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 21

PLOT DATE : 2/26/2026 5:18 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- (S) (E) WORK ZONE START/END LOCATION MARKER



2

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 125	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 22

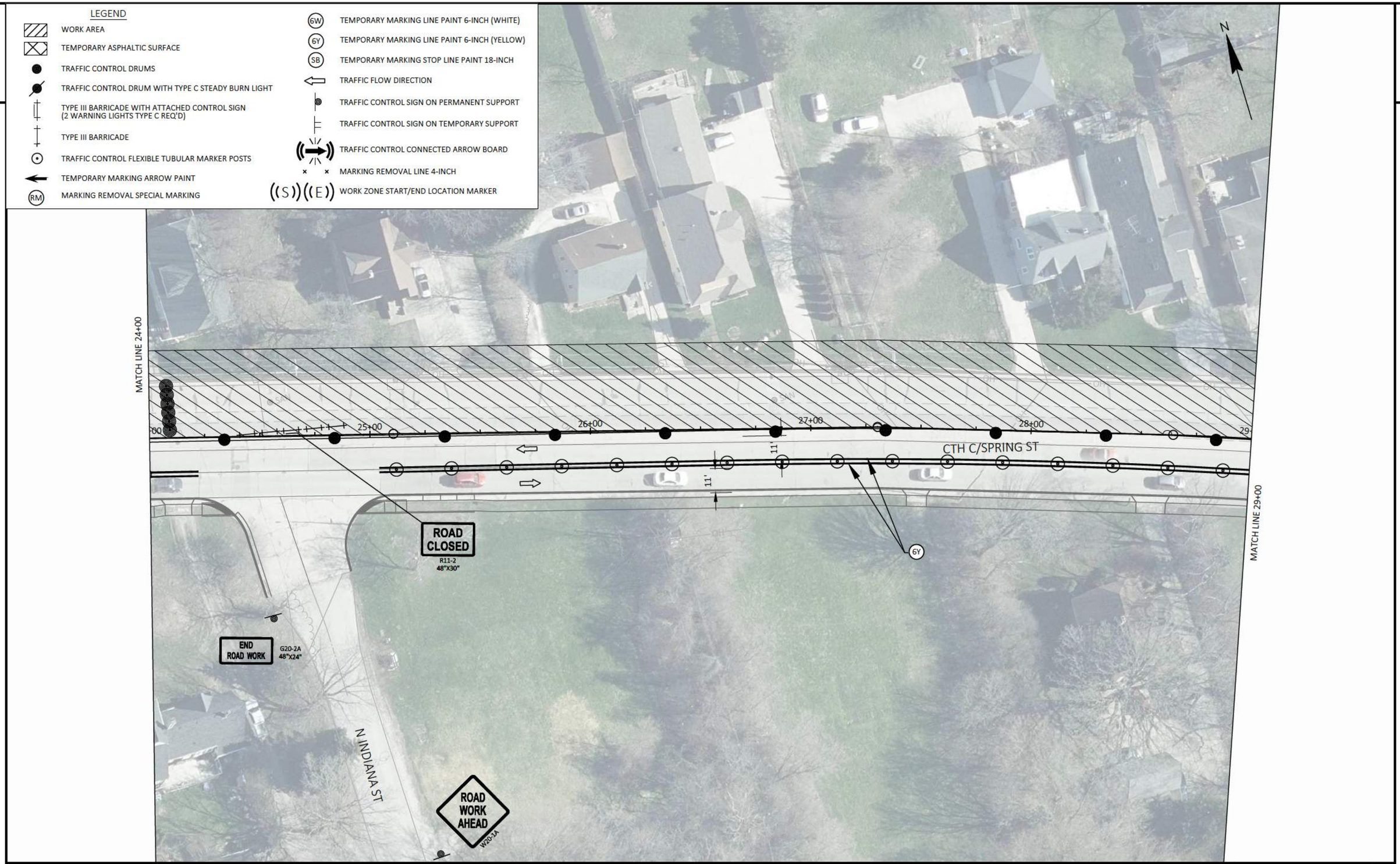
PLOT DATE : 2/26/2026 5:19 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 126	E

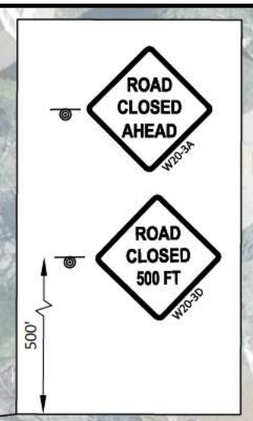
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 23

PLOT DATE : 2/26/2026 5:19 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

CONSTRUCTION NOTE:

CONTRACTOR TO PROVIDE LOCAL ACCESS TO MEADOWBROOK BLVD AT ALL TIMES.



MEADOWBROOK BLVD

MATCH LINE 29+00

30+00

31+00

32+00

33+00

34

CTH C/SPRING ST

6Y

MATCH LINE 34+00

N

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

2

CONSTRUCTION NOTE:

CONTRACTOR SHALL NOT CLOSE FAIRWAY DR. AND THE NORTH APPROACH OF SPRING VALLEY DR. CONCURRENTLY.

ROAD CLOSED AHEAD W20-3A

ROAD CLOSED 500 FT W20-3D

500'

SPRING VALLEY DR

ROAD CLOSED R11-2 48"X30"

MATCH LINE 34+00

35+00 36+00 37+00 38+00 39

CTH C/SPRING ST

11' 11' 10' 10'

SB 6W 6Y

LANE CLOSED R11-2L 48"X30"

SIDEWALK CLOSED R9-9 24"X12"

TEMPORARY PEDESTRIAN BARRICADE

H D9-2 24"X24"

MO6-1 21"X21"

MATCH LINE 39+00

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- MARKING REMOVAL SPECIAL MARKING
- 6W TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- 6Y TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- SB TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- (S)(E) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 128	E

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
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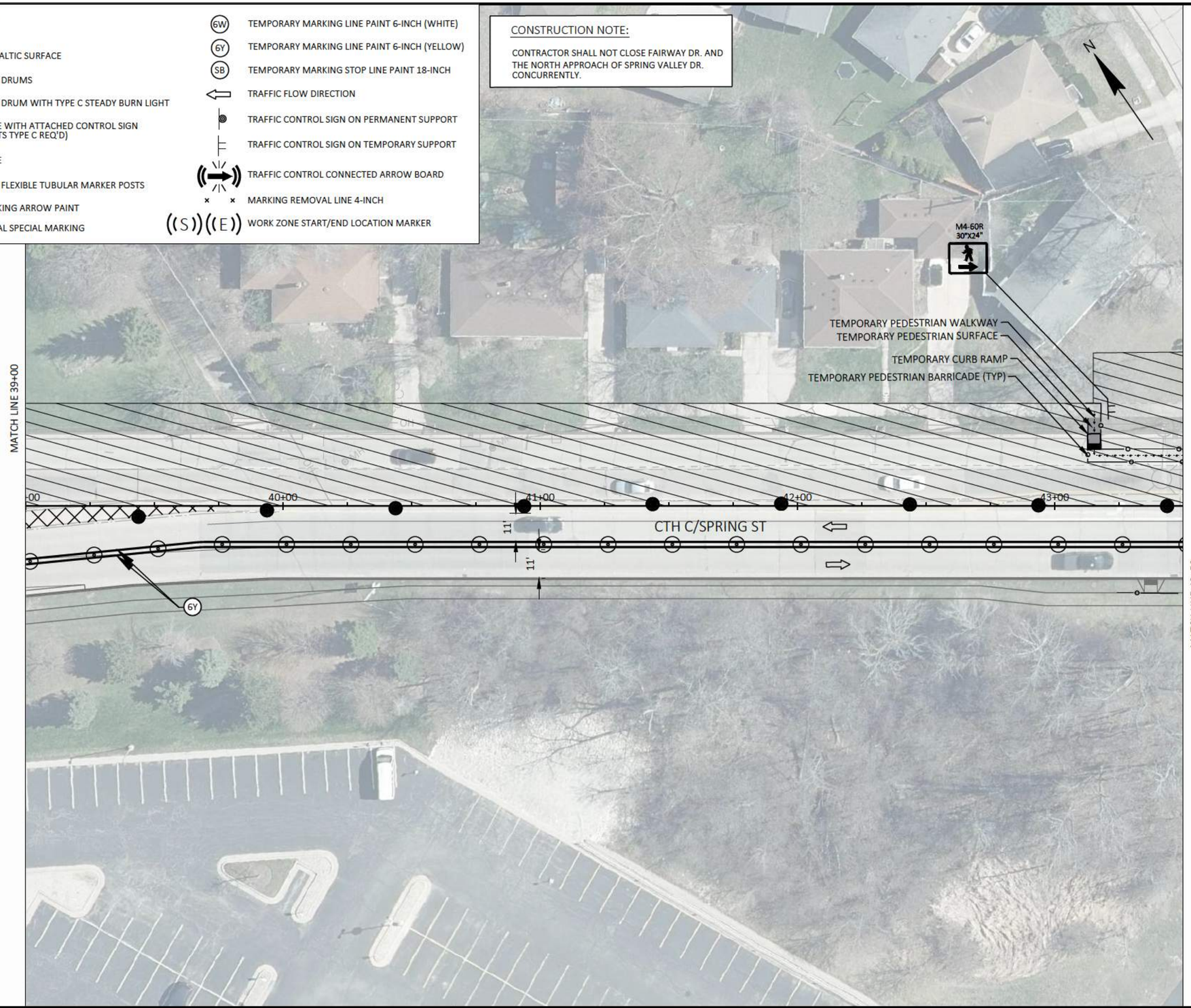
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

CONSTRUCTION NOTE:

CONTRACTOR SHALL NOT CLOSE FAIRWAY DR. AND THE NORTH APPROACH OF SPRING VALLEY DR. CONCURRENTLY.



2

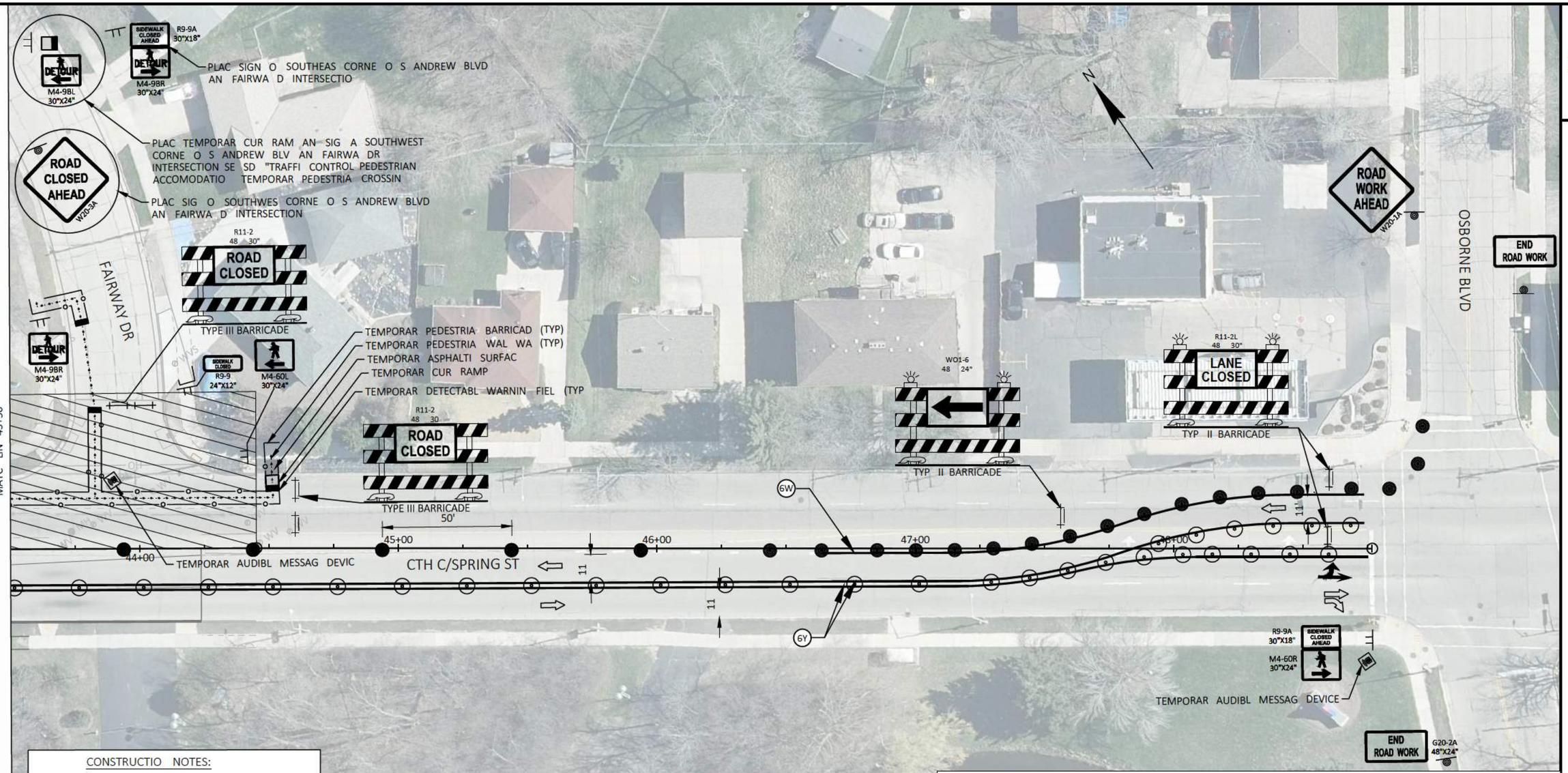
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 129	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 26

PLOT DATE : 2/26/2026 5:19 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



CONSTRUCTIO NOTES:

CONTRACTO SHAL NO CLOS FAIRWA DR AN THE NORT APPROAC O SPRIN VALLE DR CONCURRENTLY.

AUDIBL MESSAG 1 "ATTENTIO PEDESTRIANS YO AR AT TH INTERSECTIO O SPRIN S AN FAIRWA DRIVE FOR ACCES T FAIRWA DRIVE TUR NORTH FO ACCES T W SPRIN ST TUR WEST FO ACCES T SPRIN ST TURN EAST."

AUDIBL MESSAG 2 "ATTENTIO PEDESTRIANS YO AR AT SOUTHWES CORNE O SPRIN S AN OSBORN BLVD THE SIDEWAL O TH SOUT SID O SPRIN STREE I CLOSED AHEAD CROS HER T US NORT SID O SPRIN ST.

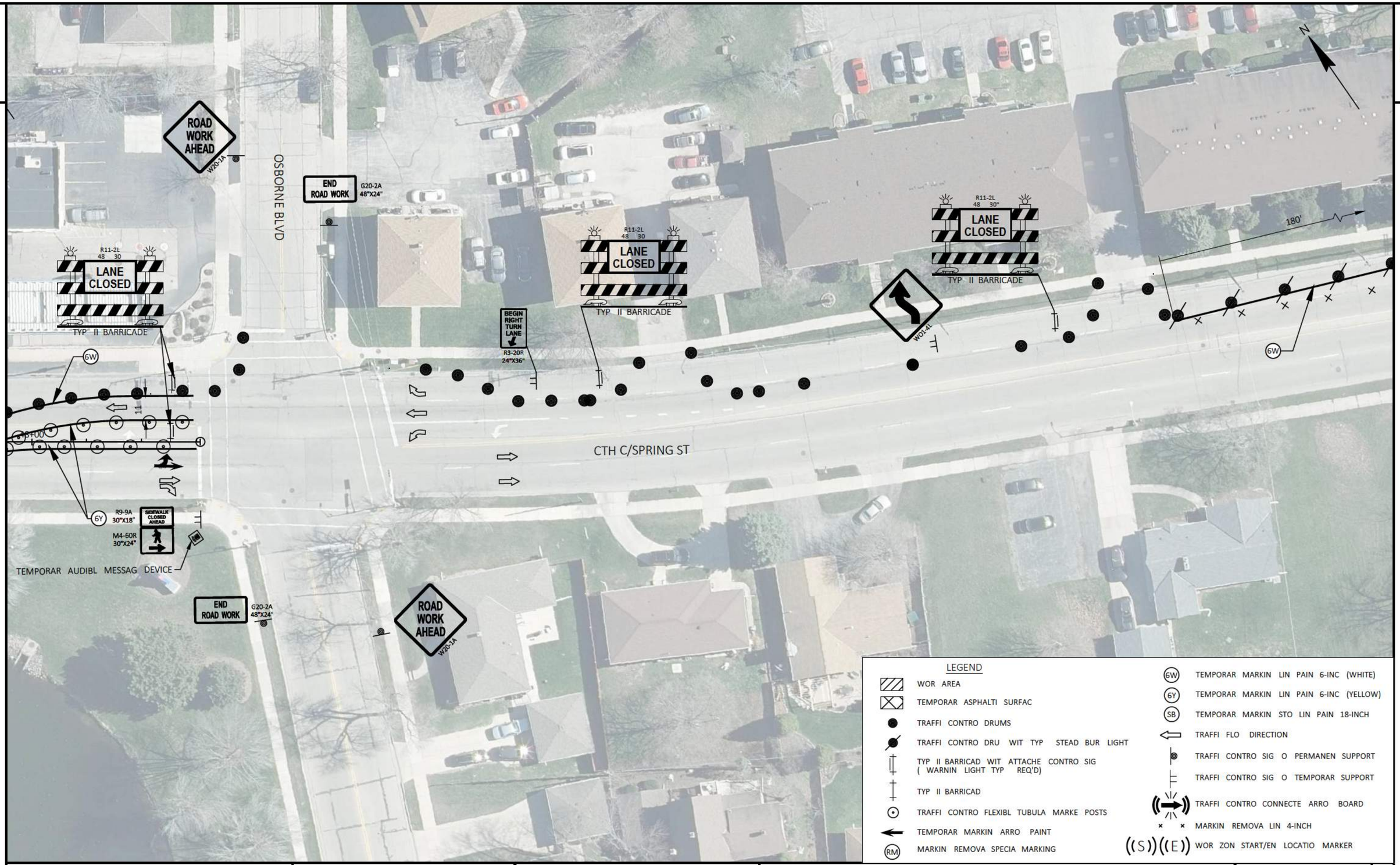
TEMPORAR PEDESTRIA ACCOMMODATION SHOW ARE FO CONSTRUCTIN PROPOSE CUR RAMPS AFTE CURB RAMP AR CONSTRUCTED CLOS N- CROSSIN O CT C A SHOW I STAG TRAFFI CONTRO PLANS.

LEGEND

- WOR AREA
- TEMPORAR ASPHALTI SURFAC
- TRAFFI CONTRO DRUMS
- TRAFFI CONTRO DRU WIT TYP STEAD BUR LIGHT
- TYP II BARRICAD WIT ATTACHE CONTRO SIG (WARNIN LIGHT TYP REQ'D)
- TYP II BARRICAD
- TRAFFI CONTRO FLEXIBL TUBULA MARKE POSTS
- TEMPORAR MARKIN ARRO PAINT
- (RM) MARKIN REMOVA SPECIA MARKING
- (6W) TEMPORAR MARKIN LIN PAIN 6-INC (WHITE)
- (6Y) TEMPORAR MARKIN LIN PAIN 6-INC (YELLOW)
- (SB) TEMPORAR MARKIN STO LIN PAIN 18-INCH
- TRAFFI FLO DIRECTION
- TRAFFI CONTRO SIG O PERMANEN SUPPORT
- TRAFFI CONTRO SIG O TEMPORAR SUPPORT
- TRAFFI CONTRO CONNECTE ARRO BOARD
- MARKIN REMOVA LIN 4-INCH
- ((S))((E)) WOR ZON START/EN LOCATIO MARKER

PROJEC NO: 2390-09-73	HWY: CT C	COUNTY: RACINE	TRAFFI CONTRO STAG 4	SHEE 130 E

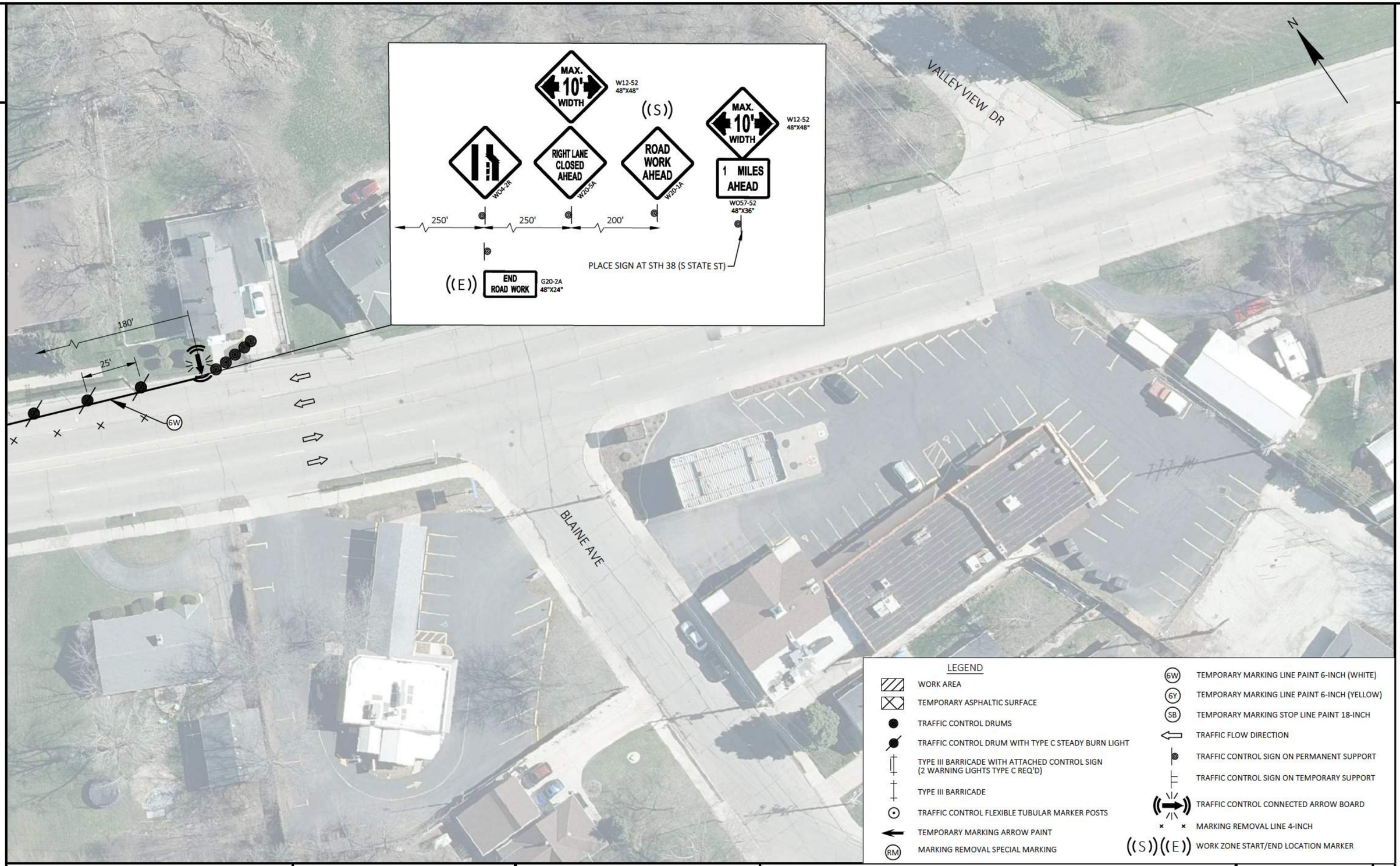
2



PROJEC NO: 2390-09-73	HWY: CT C	COUNTY: RACINE	TRAFFI CONTRO STAG 4	SHEE E

FIL NAM : Y:\56XX\5624_CT C_OHI S T FAIRWAY_RACIN COUNTY\CADDS\23900903\SHEETSPLAN\026101-S .DWG LAYOU NAM 28 PLO DAT : 2/26/202 5:2 PM PLO B : JORDY BENN PLO NAM PLO SCAL : Custom

2



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4	SHEET 132	E

2

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

N

13+00

12+00

11+00

10+00

25'

25'

12'

12'

CTH C/SPRING ST

N OHIO ST

ONE-WAY R6-1R 36"X12"

R3-2 24"X24"

STOP

15'

15'

180'

6Y

WO1-6 48" X 24"

WO1-6 48" X 24"

TYPE III BARRICADE

TYPE III BARRICADE

END ROAD WORK G20-2A 48 X24

200'

200'

200'

W04-2L

LEFT LANE CLOSED AHEAD W20-5SA

ROAD WORK AHEAD W20-1A

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4 - N OHIO ST	SHEET 133	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 99

PLOT DATE : 2/26/2026 5:20 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

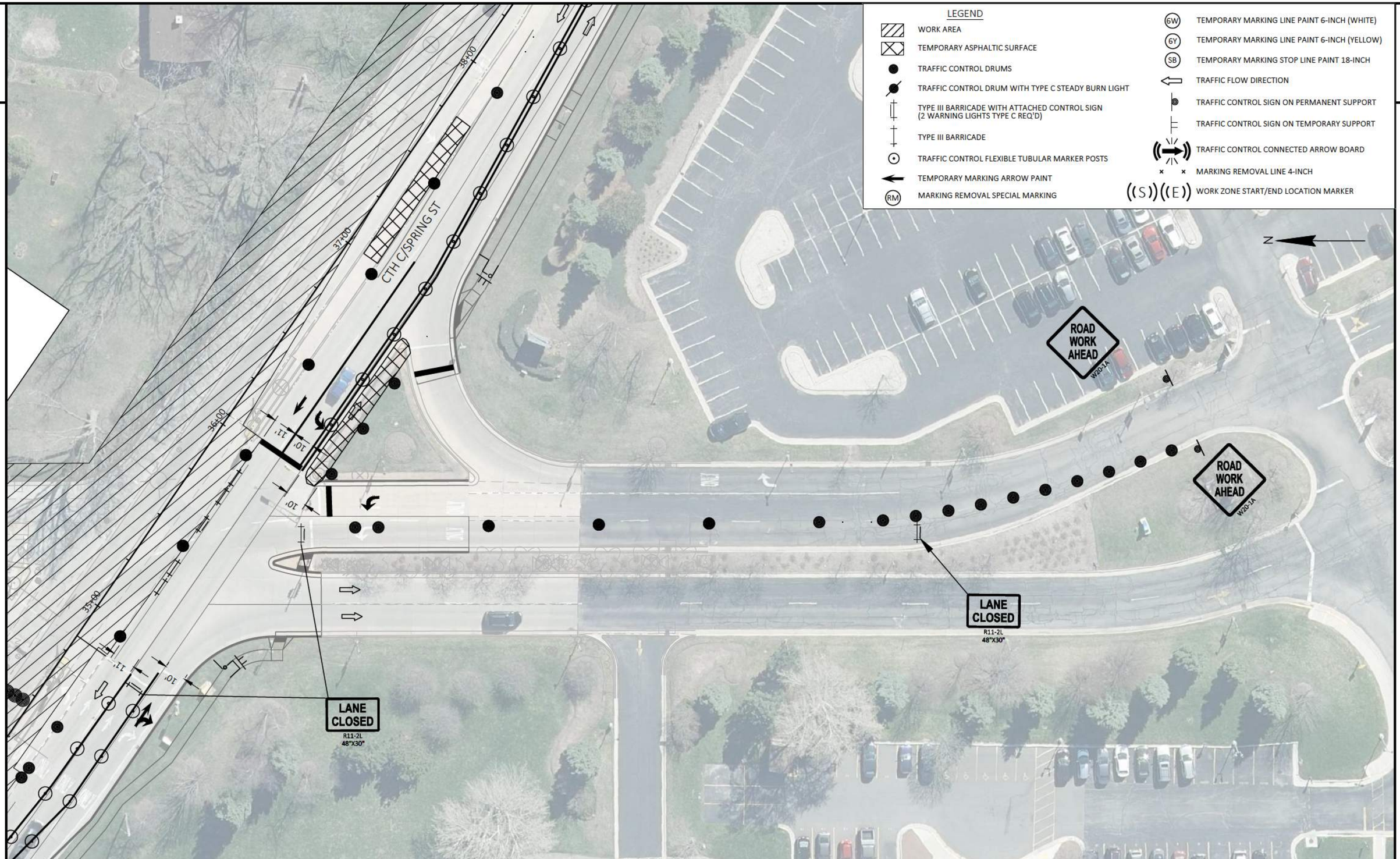
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



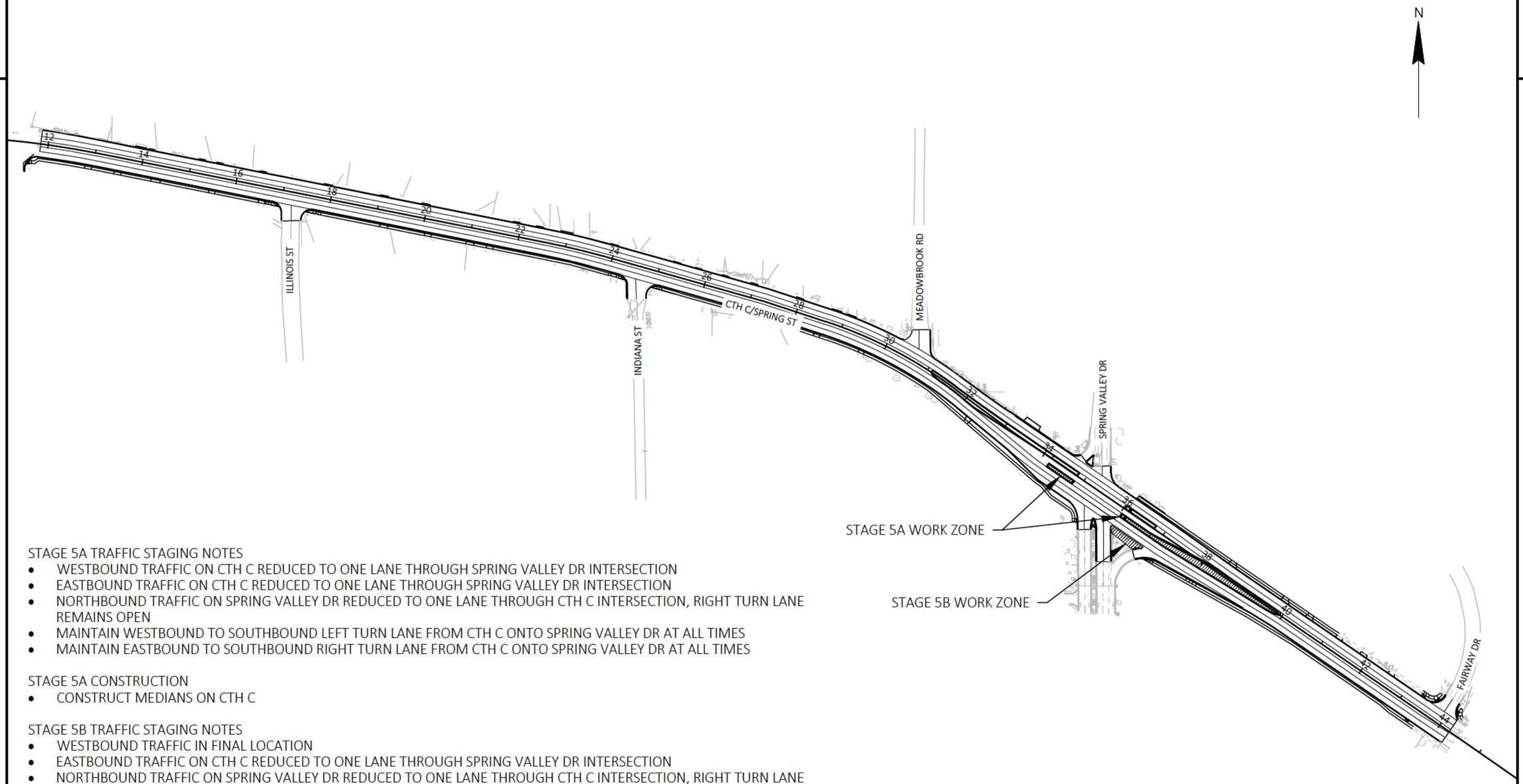
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 4 - SPRING VALLEY DR	SHEET 134 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S4 DWG
LAYOUT NAME - 100

PLOT DATE : 2/26/2026 5:20 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



STAGE 5A TRAFFIC STAGING NOTES
- WESTBOUND TRAFFIC ON CTH C REDUCED TO ONE LANE THROUGH SPRING VALLEY DR INTERSECTION
- EASTBOUND TRAFFIC ON CTH C REDUCED TO ONE LANE THROUGH SPRING VALLEY DR INTERSECTION
- NORTHBOUND TRAFFIC ON SPRING VALLEY DR REDUCED TO ONE LANE THROUGH CTH C INTERSECTION, RIGHT TURN LANE REMAINS OPEN
- MAINTAIN WESTBOUND TO SOUTHBOUND LEFT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES
- MAINTAIN EASTBOUND TO SOUTHBOUND RIGHT TURN LANE FROM CTH C ONTO SPRING VALLEY DR AT ALL TIMES

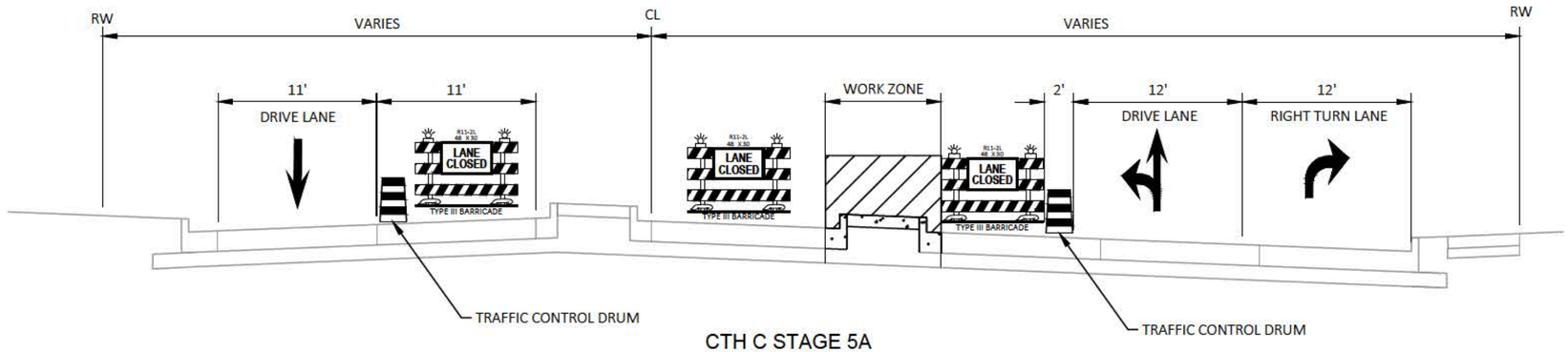
STAGE 5A CONSTRUCTION
- CONSTRUCT MEDIANS ON CTH C

STAGE 5B TRAFFIC STAGING NOTES
- WESTBOUND TRAFFIC IN FINAL LOCATION
- EASTBOUND TRAFFIC ON CTH C REDUCED TO ONE LANE THROUGH SPRING VALLEY DR INTERSECTION
- NORTHBOUND TRAFFIC ON SPRING VALLEY DR REDUCED TO ONE LANE THROUGH CTH C INTERSECTION, RIGHT TURN LANE REMAINS OPEN
- MAINTAIN ALL LEFT TURN LANES ON CTH C AT SPRING VALLEY DR
- MAINTAIN RIGHT TURN LANE ON EASTBOUND CTH C AT SPRING VALLEY DR

STAGE 5B CONSTRUCTION
- CONSTRUCT PORK CHOP ISLAND ON SOUTH LEG OF SPRING VALLEY DR

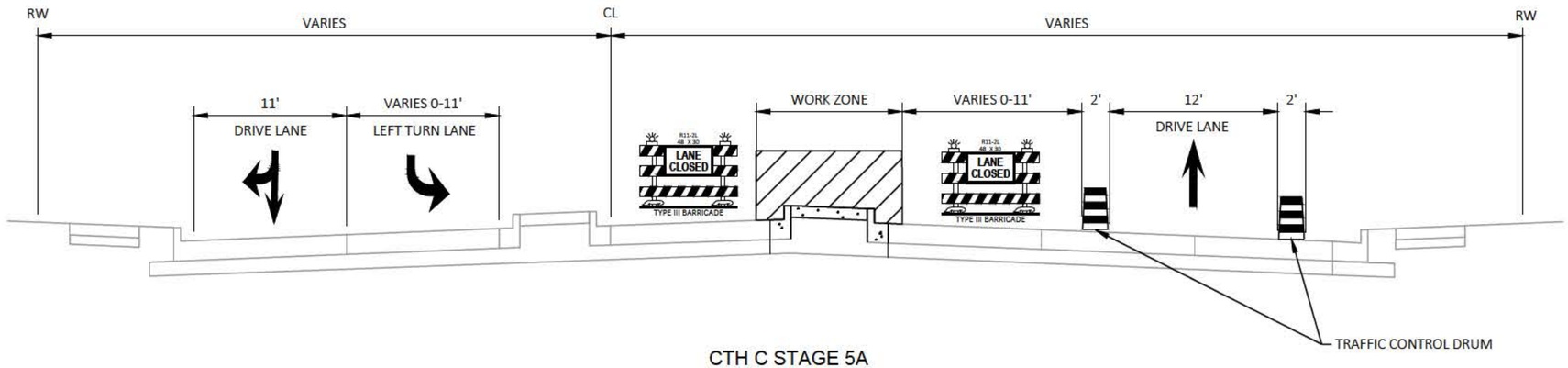
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGING OVERVIEW - STAGE 5	SHEET 135	E

2



CTH C STAGE 5A

STA 34+18 - STA 34+93



CTH C STAGE 5A

STA 36+00 - STA 39+78

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 5 TYPICAL SECTIONS	SHEET 136	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S5-TS DWG
LAYOUT NAME - 01-10ft

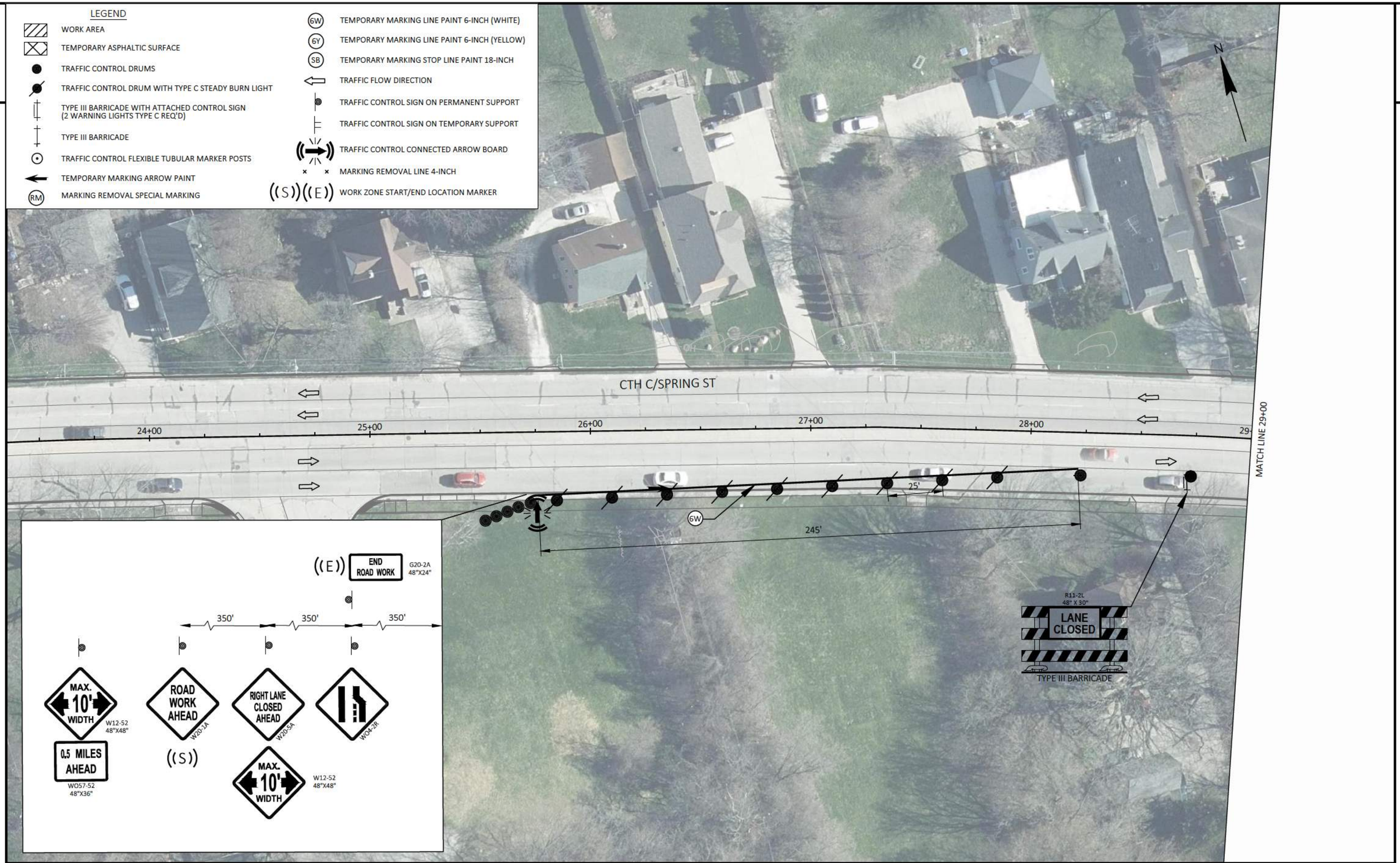
PLOT DATE : 2/26/2026 11:36 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5A	SHEET 137	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S5A DWG
LAYOUT NAME - 20

PLOT DATE : 2/26/2026 11:37 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

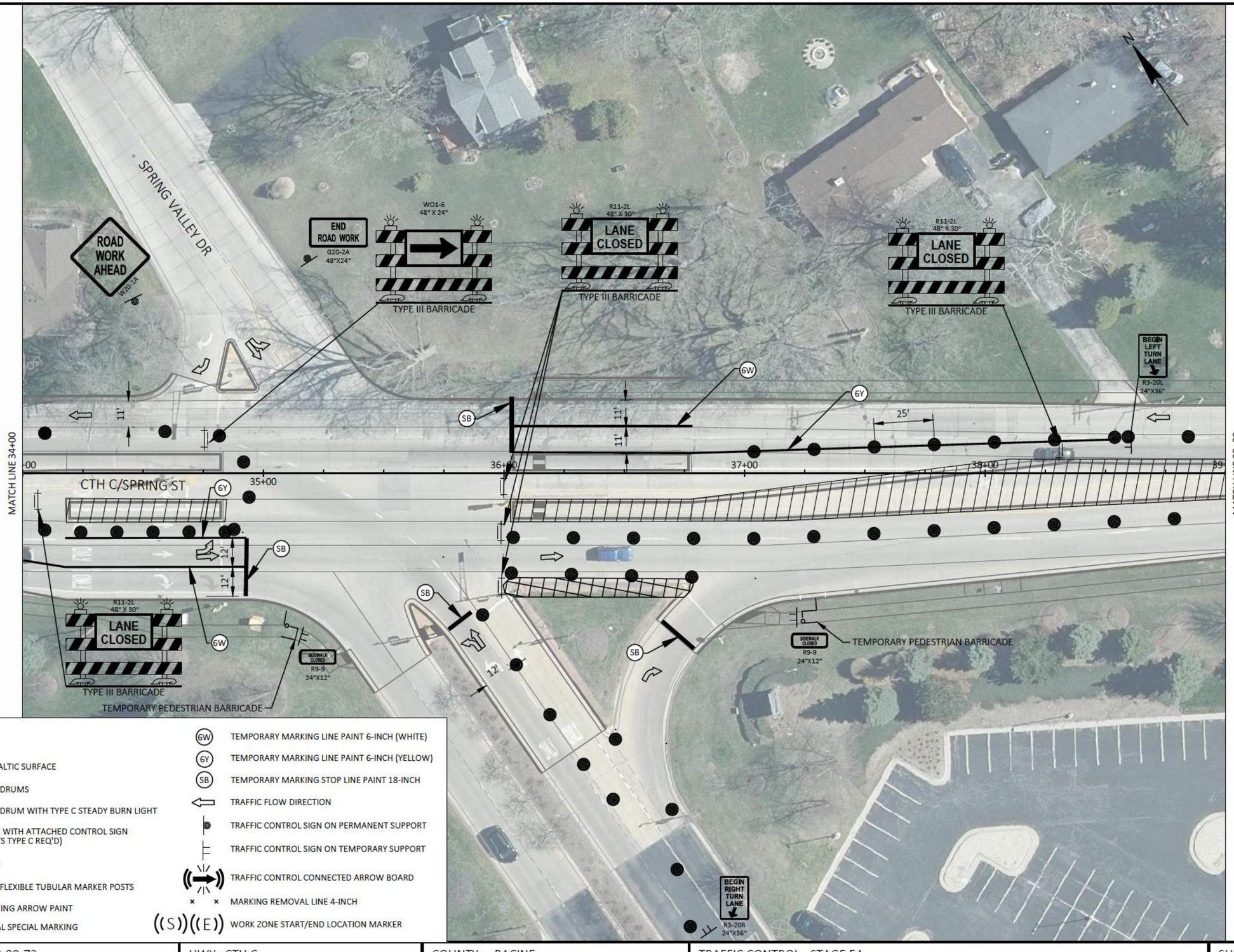
2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5A	SHEET 138 E

2



LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

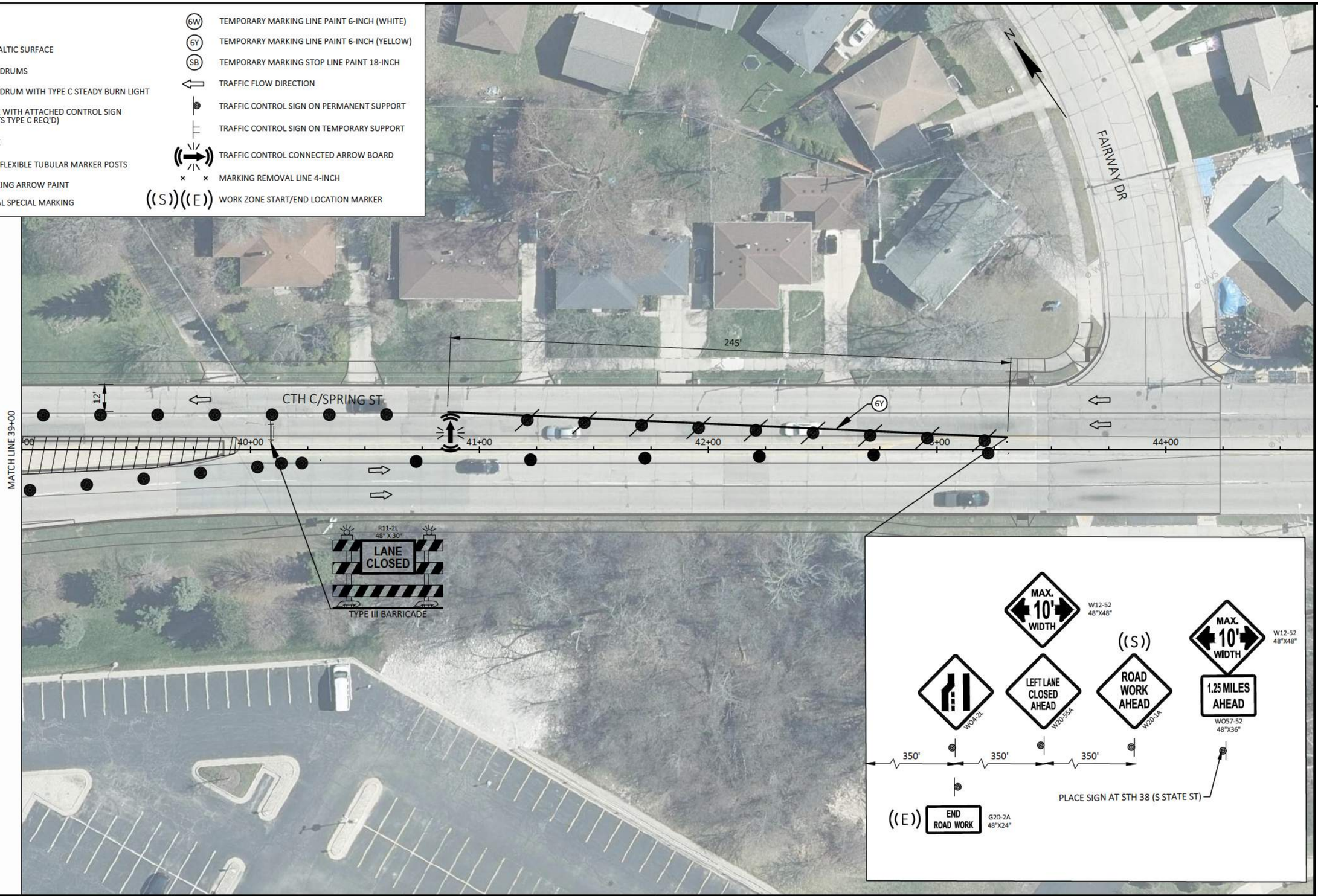
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5A	SHEET 139	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S5A DWG
LAYOUT NAME - 22
PLOT DATE : 2/26/2026 11:37 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



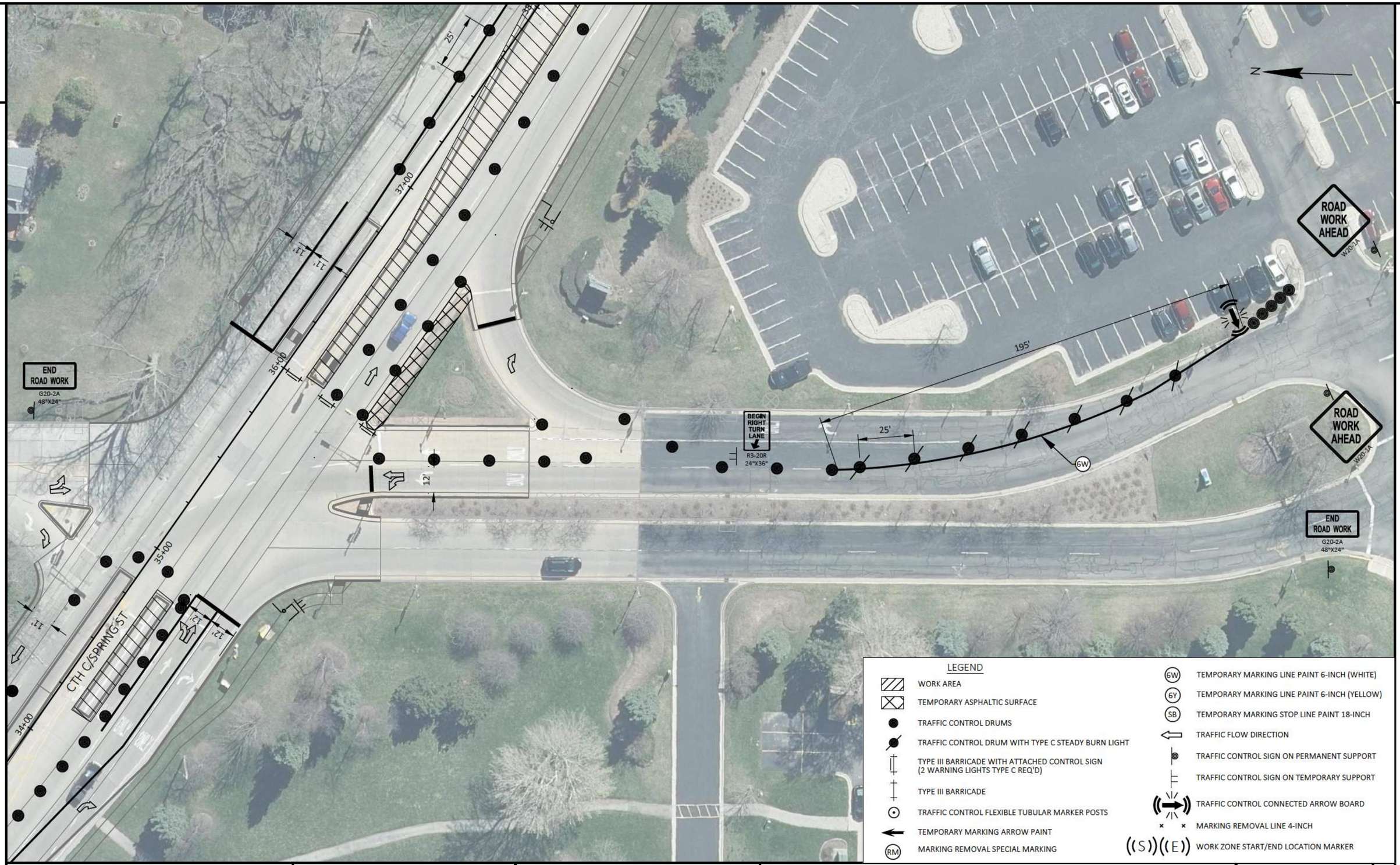
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5A	SHEET 140	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S5A DWG
LAYOUT NAME - 23

PLOT DATE : 2/26/2026 5:24 PM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

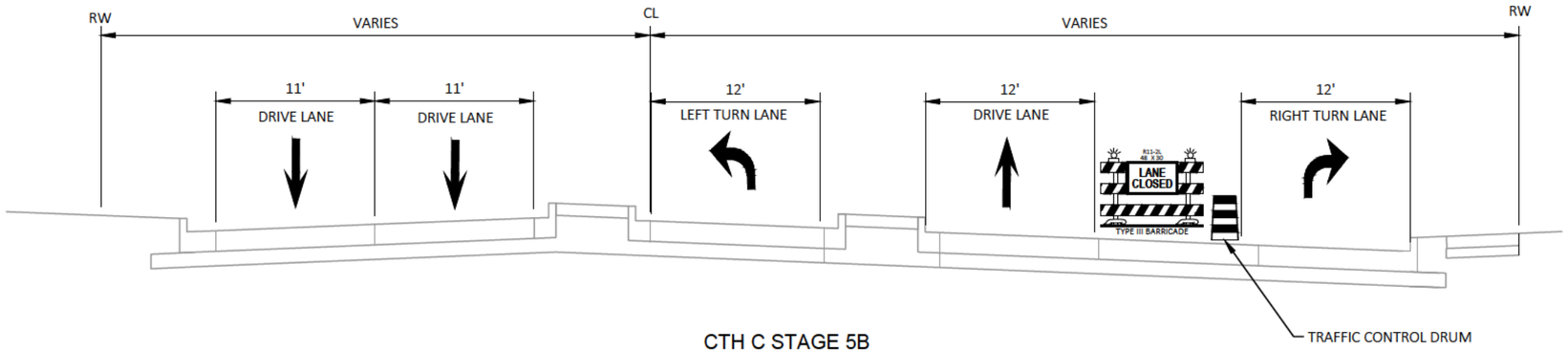


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5A - SPRING VALLEY DR	SHEET 141	E

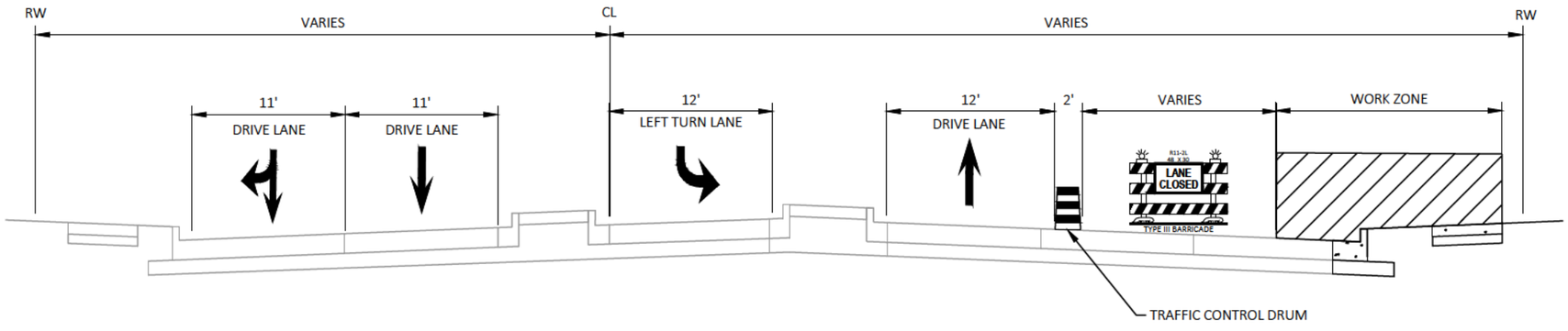
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S5A.DWG
LAYOUT NAME - 100

PLOT DATE : 2/26/2026 11:38 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



CTH C STAGE 5B
STA 34+18 - STA 34+93



CTH C STAGE 5B
STA 36+00 - STA 39+78

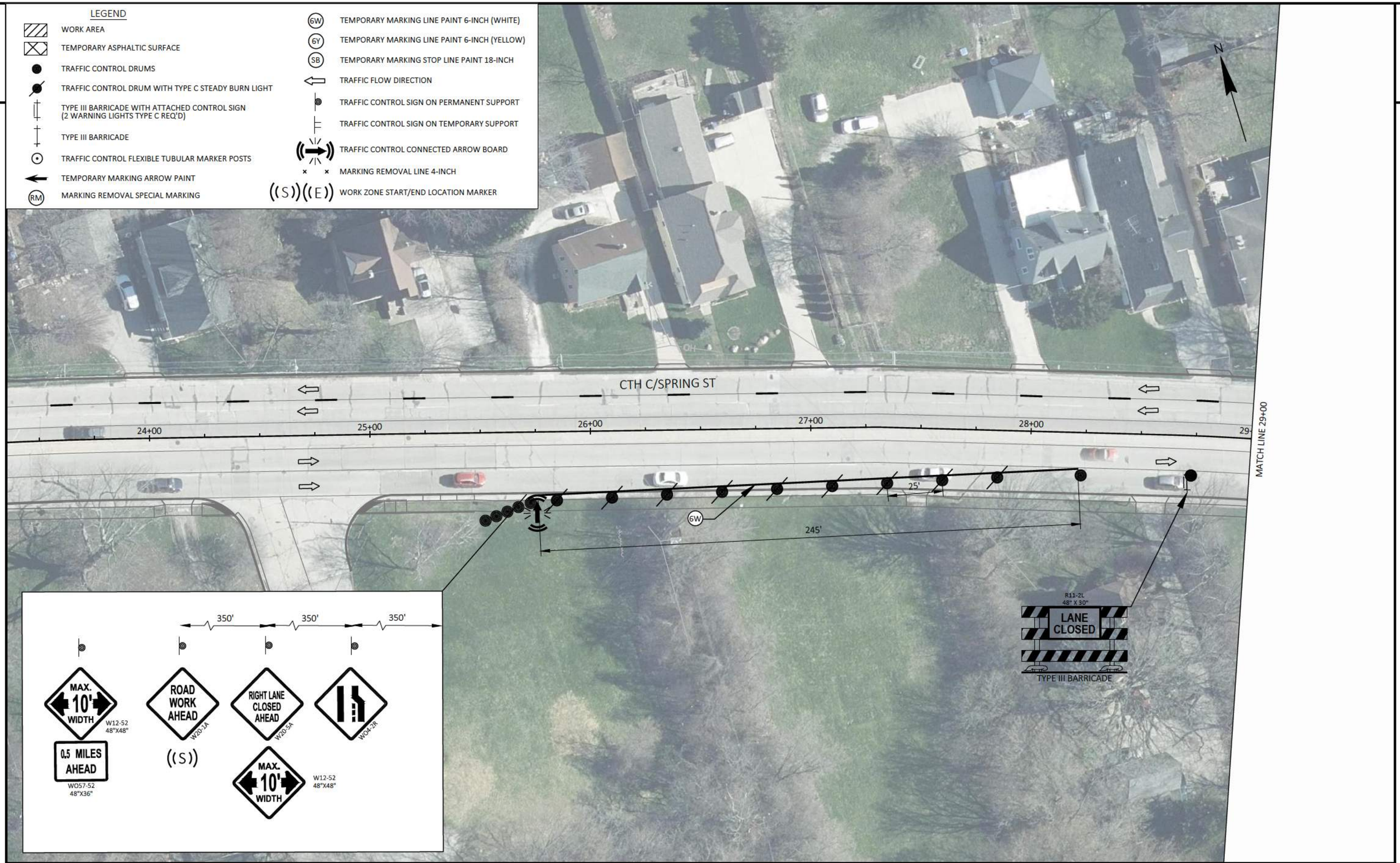
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL STAGE 5B TYPICAL SECTIONS	SHEET 142	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S5-TS DWG
LAYOUT NAME - 02-10ft
PLOT DATE : 2/26/2026 11:38 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER



2

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5B	SHEET 143	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\026101-S5B DWG
LAYOUT NAME - 20

PLOT DATE : 2/26/2026 11:38 AM PLOT BY : JORDYN BENN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
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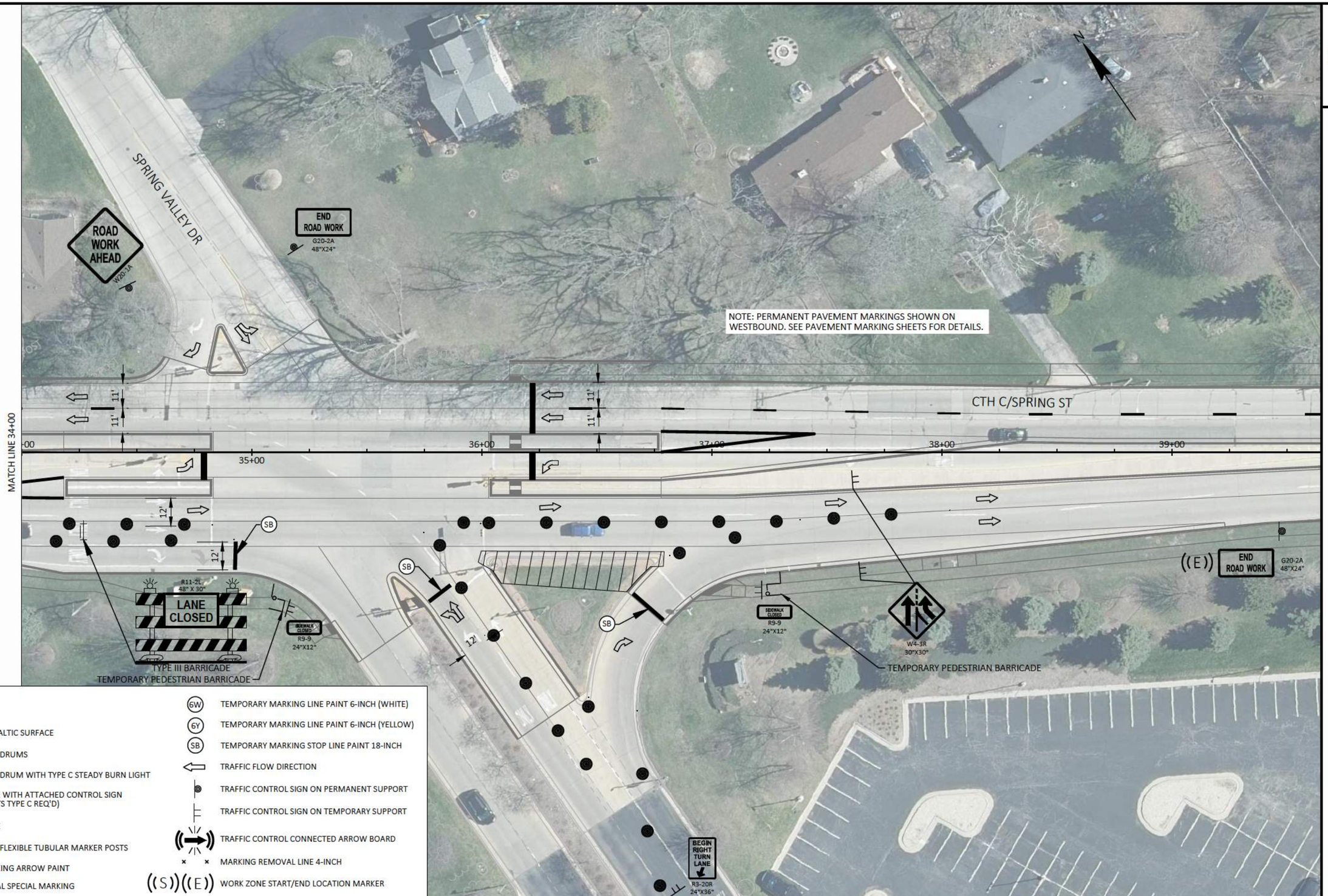
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

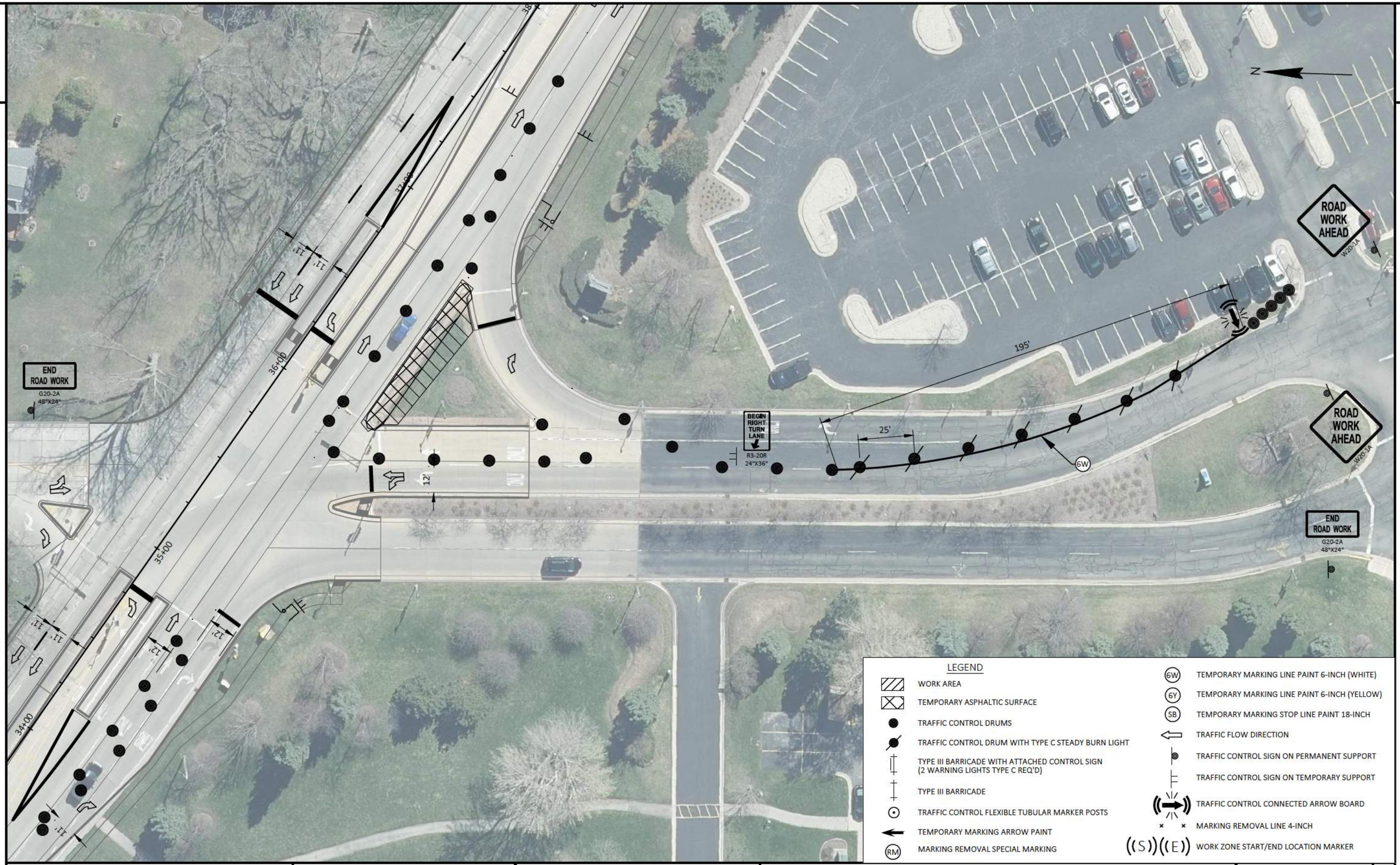
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5B	SHEET 144	E

2



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5B	SHEET 145 E

2



LEGEND

- WORK AREA
- TEMPORARY ASPHALTIC SURFACE
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED CONTROL SIGN (2 WARNING LIGHTS TYPE C REQ'D)
- TYPE III BARRICADE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY MARKING ARROW PAINT
- (RM) MARKING REMOVAL SPECIAL MARKING
- (6W) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (6Y) TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW)
- (SB) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- TRAFFIC FLOW DIRECTION
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONNECTED ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- ((S))((E)) WORK ZONE START/END LOCATION MARKER

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 5B - SPRING VALLEY DR	SHEET 146	E

2

N

BP: 0+00.00

S88° 01' 55.45"E
455.866

N89° 35' 29.02"E
200.328

S88° 10' 10.17"E
127.843

S88° 09' 26.13"E
215.964

CURVE 1

PT 13+07.53

S78° 44' 51.60"E
947.678

R/L CTH C-PROP

CURVE 2

PI 25+10.58
Y= 189265.664
X= 627007.190

PI 27+30.28
Y= 189205.815
X= 627218.583

S71° 49' 31.21"E
134.166

MATCH LINE 28+50

BEGIN ALIGNMENT
STA 0+00.00
Y=189,567.042
X=624,753.661

PI: 4+55.87
Y= 189559.215
X= 624981.459

PI: 6+56.19
Y= 189560.644
X= 625181.782

PI: 7+84.04
Y= 189556.560
X= 625309.559

PC: 10+00.00

BEGIN PROJECT
STA 11+84.31
Y=189,534.640
X=625,709.037

PC 22+55.21

PT 23+85.24

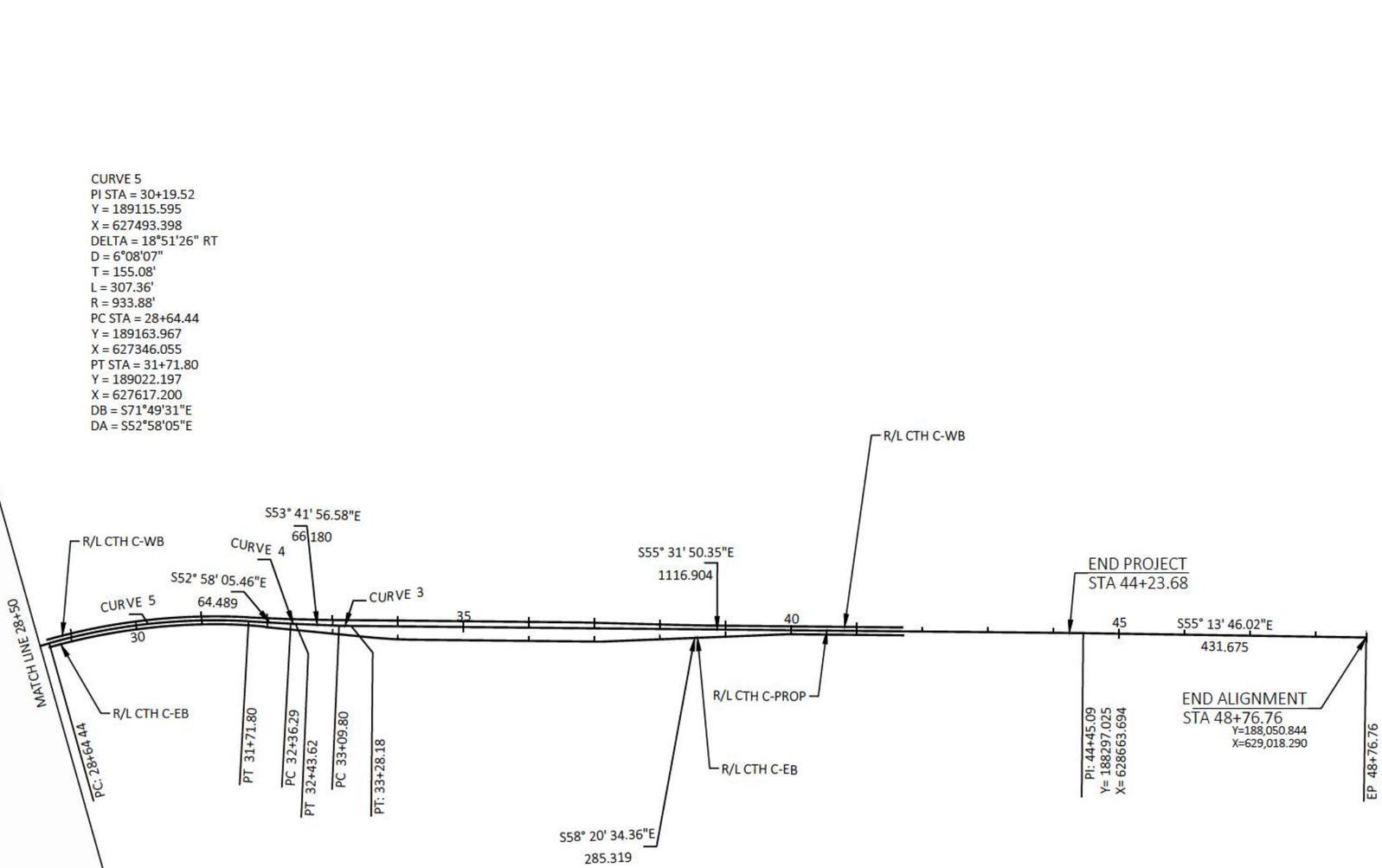
CURVE 1
PI STA = 11+54.11
Y = 189544.660
X = 625679.442
DELTA = 9°24'35" RT
D = 3°03'35"
T = 154.11'
L = 307.53'
R = 1872.56'
PC STA = 10+00.00
Y = 189549.615
X = 625525.411
PT STA = 13+07.53
Y = 189514.588
X = 625830.590
DB = S88°09'26"E
DA = S78°44'52"E

CURVE 2
PI STA = 23+20.26
Y = 189316.974
X = 626823.850
DELTA = 4°22'57" RT
D = 3°22'13"
T = 65.05'
L = 130.04'
R = 1700.00'
PC STA = 22+55.21
Y = 189329.667
X = 626760.051
PT STA = 23+85.24
Y = 189299.443
X = 626886.493
DB = S78°44'52"E
DA = S74°21'54"E

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	ALIGNMENT DETAILS - PROPOSED MAINLINE	SHEET 147	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\027201-AD DWG
LAYOUT NAME - 027201-ad - 1 PROP
PLOT DATE : 11/25/2025 6:35 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

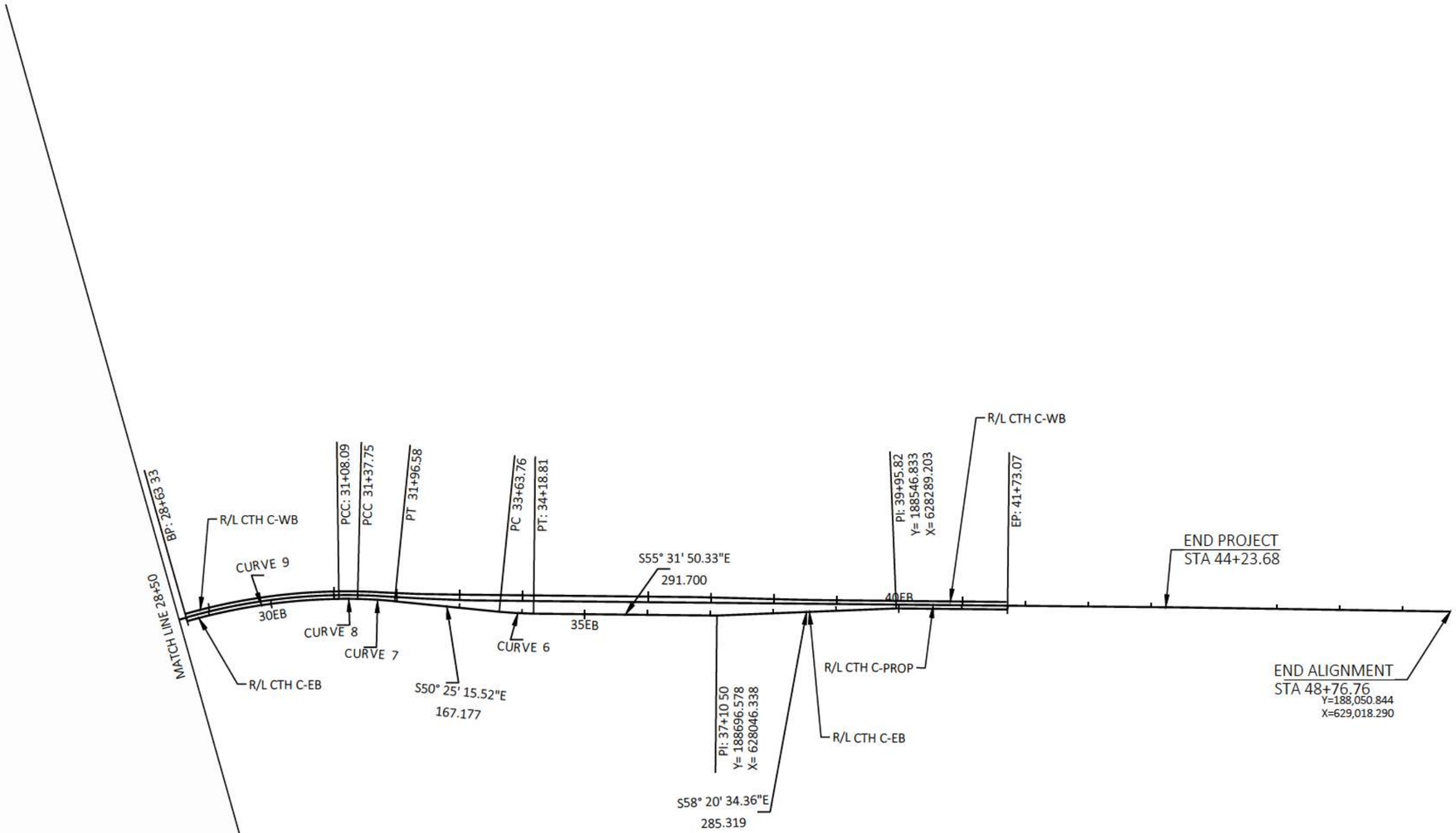


CURVE 4
PI STA = 32+39.96
Y = 188981.149
X = 627671.609
DELTA = 0°43'51" LT
D = 9°57'52"
T = 3.67'
L = 7.33'
R = 575.00'
PC STA = 32+36.29
Y = 188983.357
X = 627668.682
PT STA = 32+43.62
Y = 188978.977
X = 627674.565
DB = S52°58'05"E
DA = S53°41'57"E

CURVE 3
PI STA = 33+18.99
Y = 188934.356
X = 627735.308
DELTA = 1°49'54" LT
D = 9°57'52"
T = 9.19'
L = 18.38'
R = 575.00'
PC STA = 33+09.80
Y = 188939.797
X = 627727.900
PT STA = 33+28.18
Y = 188929.154
X = 627742.885
DB = S53°41'57"E
DA = S55°31'50"E

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	ALIGNMENT DETAILS - PROPOSED MAINLINE	SHEET 148	E

2



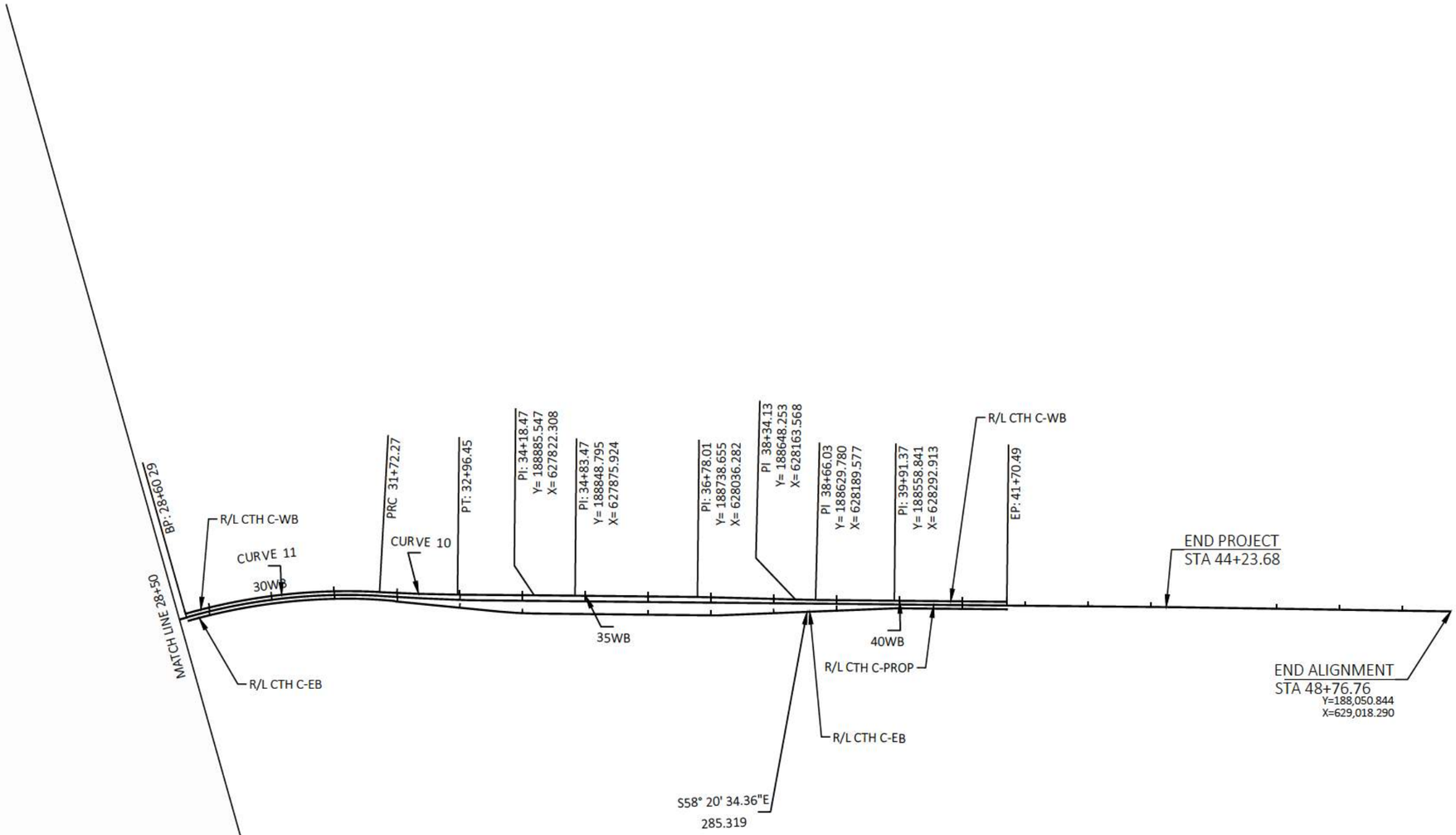
CURVE 9
PI STA = 29+86.42
Y = 189121.002
X = 627458.736
DELTA = 15°06'49" RT
D = 6°10'30"
T = 123.09'
L = 244.76'
R = 927.88'
PC STA = 28+63.33
Y = 189159.053
X = 627341.671
PT STA = 31+08.09
Y = 189053.744
X = 627561.831
DB = S71°59'38"E
DA = S56°52'48"E

CURVE 8
PI STA = 31+22.92
Y = 189045.640
X = 627574.254
DELTA = 2°09'54" RT
D = 7°17'56"
T = 14.83'
L = 29.66'
R = 785.00'
PC STA = 31+08.09
Y = 189053.744
X = 627561.831
PT STA = 31+37.75
Y = 189037.072
X = 627586.361
DB = S56°52'48"E
DA = S54°42'54"E

CURVE 7
PI STA = 31+67.18
Y = 189020.071
X = 627610.385
DELTA = 4°17'39" RT
D = 7°17'56"
T = 29.43'
L = 58.83'
R = 785.00'
PC STA = 31+37.75
Y = 189037.072
X = 627586.361
PT STA = 31+96.58
Y = 189001.320
X = 627633.068
DB = S54°42'54"E
DA = S50°25'16"E

CURVE 6
PI STA = 33+91.30
Y = 188877.257
X = 627783.147
DELTA = 5°06'35" LT
D = 9°16'57"
T = 27.54'
L = 55.05'
R = 617.24'
PC STA = 33+63.76
Y = 188894.805
X = 627761.920
PT STA = 34+18.81
Y = 188861.670
X = 627805.852
DB = S50°25'16"E
DA = S55°31'50"E

2



CURVE 11
PI STA = 30+17.72
Y = 189121.788
X = 627495.124
DELTA = 19°00'59" RT
D = 6°05'43"
T = 157.44'
L = 311.98'
R = 939.99'
PC STA = 28+60.29
Y = 189170.459
X = 627345.398
PT STA = 31+72.27
Y = 189026.987
X = 627620.819
DB = S71°59'32"E
DA = S52°58'33"E

CURVE 10
PI STA = 32+34.37
Y = 188989.749
X = 627670.519
DELTA = 2°22'21" LT
D = 1°54'38"
T = 62.10'
L = 124.19'
R = 2999.00'
PC STA = 31+72.27
Y = 189026.987
X = 627620.819
PT STA = 32+96.45
Y = 188954.601
X = 627721.718
DB = S53°09'29"E
DA = S55°31'50"E

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	ALIGNMENT DETAILS - WESTBOUND	SHEET 150	E

2

2

N

PC: 10+00.00

BEGIN PROJECT
STA 11+84.31
Y=189,534.640
X=625,709 037

CTH C

PT 13+07.53

10

15

MATCH LINE 15+50

505
CP FENO SET
STA 10+66.16, 9.99' RT
X=625,590.810
Y=189,536.350
Z=704.479

615
708.119
BM NE ARROW BOLT ON HYD

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	SURVEY CONTROL	SHEET 151	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\027202-AD DWG
LAYOUT NAME - 027202-ad - 1

PLOT DATE : 11/13/2025 11:24 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

616
708.737
BM SE NUT ON HYD

PC: 22+55.21

CTH C

20

MATCH LINE 15+50

MATCH LINE 23+00

N ILLINOIS ST

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	SURVEY CONTROL	SHEET 152	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\027202-AD DWG
LAYOUT NAME - 027202-ad - 2

PLOT DATE : 11/13/2025 11:24 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

MEADOWBROOK BLVD

617
695.743
BM SW BOLT ON HYD

PT: 23+85.24

PI: 25+10.58

PI: 27+30.28

PC: 28+64.44

CTH C

25

30

MATCH LINE 23+00

MATCH LINE 30+50.03

507
CP FENO SET
STA 25+47.77, 38.64' RT
X=627,032.447
Y=189,218.356
Z=694.903

N INDIANA ST

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	SURVEY CONTROL	SHEET 153	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\027202-AD DWG
LAYOUT NAME - 027202-ad - 3

PLOT DATE : 11/13/2025 11:24 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

SPRING VALLEY DR

618
702.294
BM BURY BOLT ON HYD

619
697.200
BM BURY BOLT ON HYD

PT 31+71.80

PC 32+36.29
PT 32+43.62

PC 33+09.80

PT: 33+28.18

CTH C

35

MATCH LINE 30+50.03

MATCH LINE 38+00.03

508
CP FENO SET
STA 36+36.90, 49.26' RT
X=627,969.511
Y=188,713.814
Z=693.730

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	SURVEY CONTROL	SHEET 154	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\027202-AD DWG
LAYOUT NAME - 027202-ad - 4

PLOT DATE : 11/13/2025 11:24 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

FAIRWAY DR

620
675.473
BM BURY BOLT ON HYD

PI: 44+45.09

CTH C

MATCH LINE 38+00.03

40

45

END PROJECT
STA 44+23.68
Y=188,309.141
X=628,646.044

509
CP FENO SET
STA 43+76.24, 30.00' RT
X=628,589.960
Y=188,311.259
Z=675.003

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	SURVEY CONTROL	SHEET 155	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\027202-AD DWG
LAYOUT NAME - 027202-ad - 5

PLOT DATE : 11/13/2025 11:24 AM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

Estimate Of Quantities

2390-09-73

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	7.000	7.000
0004	201.0120	Clearing	ID	46.000	46.000
0006	201.0205	Grubbing	STA	7.000	7.000
0008	201.0220	Grubbing	ID	46.000	46.000
0010	204.0100	Removing Concrete Pavement	SY	24,100.000	24,100.000
0012	204.0155	Removing Concrete Sidewalk	SY	66.000	66.000
0014	204.0195	Removing Concrete Bases	EACH	10.000	10.000
0016	204.0210	Removing Manholes	EACH	1.000	1.000
0018	204.0220	Removing Inlets	EACH	21.000	21.000
0020	204.0245	Removing Storm Sewer (size) 001. 12-Inch	LF	174.000	174.000
0022	204.0245	Removing Storm Sewer (size) 002. 15-Inch	LF	50.000	50.000
0024	204.0245	Removing Storm Sewer (size) 003. 18-Inch	LF	58.000	58.000
0026	204.9060.S	Removing (item description) 001. Removing Traffic Signals	EACH	1.000	1.000
0028	205.0100	Excavation Common	CY	14,858.000	14,858.000
0030	213.0100	Finishing Roadway (project) 001. 2390-09-73	EACH	1.000	1.000
0032	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,875.000	14,875.000
0034	415.0085	Concrete Pavement 8 1/2-Inch	SY	21,390.000	21,390.000
0036	415.4100	Concrete Pavement Joint Filling	SY	22,320.000	22,320.000
0038	416.0610	Drilled Tie Bars	EACH	52.000	52.000
0040	416.0620	Drilled Dowel Bars	EACH	270.000	270.000
0042	465.0125	Asphaltic Surface Temporary	TON	60.000	60.000
0044	520.8000	Concrete Collars for Pipe	EACH	10.000	10.000
0046	601.0150	Concrete Curb Integral Type D	LF	5,840.000	5,840.000
0048	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	1,590.000	1,590.000
0050	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,190.000	1,190.000
0052	601.0600	Concrete Curb Pedestrian	LF	216.000	216.000
0054	602.0410	Concrete Sidewalk 5-Inch	SF	18,987.000	18,987.000
0056	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	166.000	166.000
0058	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	95.000	95.000
0060	602.0810	Concrete Driveway 6-Inch	SY	415.000	415.000
0062	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,473.000	1,473.000
0064	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	50.000	50.000
0066	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	50.000	50.000
0068	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0070	611.0530	Manhole Covers Type J	EACH	10.000	10.000
0072	611.0624	Inlet Covers Type H	EACH	57.000	57.000
0074	611.2003	Manholes 3-FT Diameter	EACH	1.000	1.000
0076	611.2004	Manholes 4-FT Diameter	EACH	8.000	8.000
0078	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0080	611.3004	Inlets 4-FT Diameter	EACH	16.000	16.000
0082	611.3230	Inlets 2x3-FT	EACH	40.000	40.000
0084	611.8110	Adjusting Manhole Covers	EACH	9.000	9.000
0086	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0088	619.1000	Mobilization	EACH	1.000	1.000
0090	620.0300	Concrete Median Sloped Nose	SF	165.000	165.000
0092	624.0100	Water	MGAL	349.000	349.000
0094	625.0100	Topsoil	SY	1,180.000	1,180.000
0096	628.1504	Silt Fence	LF	413.000	413.000
0098	628.1520	Silt Fence Maintenance	LF	413.000	413.000

2390-09-73

Line	Item	Item Description	Unit	Total	Qty
0100	628.1905	Mobilizations Erosion Control	EACH	9.000	9.000
0102	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0104	628.2008	Erosion Mat Urban Class I Type B	SY	1,180.000	1,180.000
0106	628.7005	Inlet Protection Type A	EACH	70.000	70.000
0108	628.7015	Inlet Protection Type C	EACH	55.000	55.000
0110	628.7020	Inlet Protection Type D	EACH	3.000	3.000
0112	628.7560	Tracking Pads	EACH	2.000	2.000
0114	629.0210	Fertilizer Type B	CWT	9.000	9.000
0116	630.0130	Seeding Mixture No. 30	LB	53.000	53.000
0118	630.0200	Seeding Temporary	LB	32.000	32.000
0120	630.0500	Seed Water	MGAL	27.000	27.000
0122	631.0300	Sod Water	MGAL	45.000	45.000
0124	631.1000	Sod Lawn	SY	2,202.000	2,202.000
0126	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	55.000	55.000
0128	637.2210	Signs Type II Reflective H	SF	311.440	311.440
0130	637.2230	Signs Type II Reflective F	SF	49.250	49.250
0132	638.2101	Moving Signs Type I	EACH	18.000	18.000
0134	638.2602	Removing Signs Type II	EACH	41.000	41.000
0136	642.5001	Field Office Type B	EACH	1.000	1.000
0138	643.0300	Traffic Control Drums	DAY	44,295.000	44,295.000
0140	643.0420	Traffic Control Barricades Type III	DAY	6,278.000	6,278.000
0142	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	584.000	584.000
0144	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	508.000	508.000
0146	643.0705	Traffic Control Warning Lights Type A	DAY	13,475.000	13,475.000
0148	643.0715	Traffic Control Warning Lights Type C	DAY	6,760.000	6,760.000
0150	643.0810	Traffic Control Connected Arrow Boards	DAY	586.000	586.000
0152	643.0900	Traffic Control Signs	DAY	11,142.000	11,142.000
0154	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0156	643.1220	Traffic Control Connected Work Zone Start and End Location Markers	DAY	447.000	447.000
0158	643.3165	Temporary Marking Line Paint 6-Inch	LF	21,577.000	21,577.000
0160	643.3505	Temporary Marking Arrow Paint	EACH	11.000	11.000
0162	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	237.000	237.000
0164	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	244.000	244.000
0166	643.5000	Traffic Control	EACH	1.000	1.000
0168	644.1430	Temporary Pedestrian Surface Plate	SF	60.000	60.000
0170	644.1601	Temporary Pedestrian Curb Ramp	DAY	21.000	21.000
0172	644.1605	Temporary Pedestrian Detectable Warning Field	SF	20.000	20.000
0174	644.1810	Temporary Pedestrian Barricade	LF	610.000	610.000
0176	644.1900.S	Temporary Audible Message Devices	DAY	178.000	178.000
0178	646.1020	Marking Line Epoxy 4-Inch	LF	6,879.000	6,879.000
0180	646.3020	Marking Line Epoxy 8-Inch	LF	662.000	662.000
0182	646.5020	Marking Arrow Epoxy	EACH	26.000	26.000
0184	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0186	646.6120	Marking Stop Line Epoxy 18-Inch	LF	166.000	166.000
0188	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	6,878.000	6,878.000
0190	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	662.000	662.000
0192	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	472.000	472.000
0194	646.8120	Marking Curb Epoxy	LF	54.000	54.000
0196	646.8220	Marking Island Nose Epoxy	EACH	2.000	2.000

2390-09-73

Line	Item	Item Description	Unit	Total	Qty
0198	646.9000	Marking Removal Line 4-Inch	LF	3,997.000	3,997.000
0200	646.9300	Marking Removal Special Marking	EACH	2.000	2.000
0202	650.4000	Construction Staking Storm Sewer	EACH	67.000	67.000
0204	650.4500	Construction Staking Subgrade	LF	3,239.000	3,239.000
0206	650.7000	Construction Staking Concrete Pavement	LF	3,239.000	3,239.000
0208	650.8501	Construction Staking Electrical Installations (project) 001. 2390-09-73	EACH	1.000	1.000
0210	650.9000	Construction Staking Curb Ramps	EACH	21.000	21.000
0212	650.9500	Construction Staking Sidewalk (project) 001. 2390-09-73	EACH	1.000	1.000
0214	650.9911	Construction Staking Supplemental Control (project) 001. 2390-09-73	EACH	1.000	1.000
0216	650.9920	Construction Staking Slope Stakes	LF	886.000	886.000
0218	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	60.000	60.000
0220	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	745.000	745.000
0222	652.0615	Conduit Special 3-Inch	LF	540.000	540.000
0224	653.0140	Pull Boxes Steel 24x42-Inch	EACH	13.000	13.000
0226	653.0905	Removing Pull Boxes	EACH	16.000	16.000
0228	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0230	654.0102	Concrete Bases Type 2	EACH	2.000	2.000
0232	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000
0234	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0236	655.0230	Cable Traffic Signal 5-14 AWG	LF	611.000	611.000
0238	655.0240	Cable Traffic Signal 7-14 AWG	LF	463.000	463.000
0240	655.0250	Cable Traffic Signal 9-14 AWG	LF	256.000	256.000
0242	655.0260	Cable Traffic Signal 12-14 AWG	LF	195.000	195.000
0244	655.0270	Cable Traffic Signal 15-14 AWG	LF	536.000	536.000
0246	655.0285	Cable Traffic Signal 21-12 AWG	LF	332.000	332.000
0248	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,608.000	1,608.000
0250	655.0900	Traffic Signal EVP Detector Cable	LF	464.000	464.000
0252	656.0201	Electrical Service Meter Breaker Pedestal (location) 001. CTH C & Spring Valley Dr	EACH	1.000	1.000
0254	657.0100	Pedestal Bases	EACH	4.000	4.000
0256	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	2.000	2.000
0258	657.0305	Poles Type 2	EACH	2.000	2.000
0260	657.0347	Poles Type 9-Special	EACH	2.000	2.000
0262	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	2.000	2.000
0264	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000	2.000
0266	657.0546	Monotube Arms 45-FT-Special	EACH	2.000	2.000
0268	658.0173	Traffic Signal Face 3S 12-Inch	EACH	11.000	11.000
0270	658.0174	Traffic Signal Face 4S 12-Inch	EACH	4.000	4.000
0272	658.0175	Traffic Signal Face 5S 12-Inch	EACH	2.000	2.000
0274	658.0416	Pedestrian Signal Face 16-Inch	EACH	4.000	4.000
0276	658.5070	Signal Mounting Hardware (location) 001. CTH C & Spring Valley Dr	EACH	1.000	1.000
0278	661.0201	Temporary Traffic Signals for Intersections (location) 001. CTH C & Spring Valley Dr	EACH	1.000	1.000
0280	690.0150	Sawing Asphalt	LF	362.000	362.000
0282	690.0250	Sawing Concrete	LF	5,146.000	5,146.000
0284	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	6,501.000	6,501.000
0286	740.0440	Incentive IRI Ride	DOL	5,870.000	5,870.000
0288	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0290	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	4,800.000	4,800.000
0292	SPV.0035	Special 001. Backfill Slurry	CY	10.000	10.000
0294	SPV.0060	Special 101. Adjusting Sanitary Manholes	EACH	11.000	11.000

Estimate Of Quantities

2390-09-73

Line	Item	Item Description	Unit	Total	Qty
0296	SPV.0060	Special 102. Reconstructing Sanitary Manholes	EACH	1.000	1.000
0298	SPV.0060	Special 103. 12" Eccentric Plug Valve & Box	EACH	2.000	2.000
0300	SPV.0060	Special 104. 18" Eccentric Plug Valve & Box	EACH	1.000	1.000
0302	SPV.0060	Special 105. EVP System Installation, CTH C & Spring Valley Dr.	EACH	1.000	1.000
0304	SPV.0060	Special 106. Furn and Install Audible Ped Push Button System at CTH C & Spring Valley Dr	EACH	1.000	1.000
0306	SPV.0060	Special 107. Furn and Install Signal Cabinet and Controller at CTH C & Spring Valley Dr	EACH	1.000	1.000
0308	SPV.0060	Special 108. Vehicular Video Detection System 4 Cameras	EACH	1.000	1.000

3

3

REMOVAL ITEMS

CATEGORY	STAGE	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	1	CTH C	11,100	7
STAGE 1 SUBTOTAL			11,100	7
	2	CTH C	500	--
STAGE 2 SUBTOTAL			500	--
	3	CTH C	500	--
STAGE 3 SUBTOTAL			500	--
	4	CTH C	11,300	59
STAGE 4 SUBTOTAL			11,300	59
	5	CTH C	700	--
STAGE 5 SUBTOTAL			700	--
PROJECT TOTAL			24,100	66

CLEARING AND GRUBBING ITEMS

CATEGORY	LOCATION	STATION	OFFSET	TO STATION	OFFSET	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	CTH C	27+00	35.5' RT	28+00	35.5' RT	1	--	1	--
		28+00	36' RT	29+00	35' RT	1	--	1	--
		30+90	33' LT			--	12	--	12
		31+22	30' LT			--	4	--	4
		31+00	30' LT	32+00	32' LT	1	--	1	--
		35+00	72' RT	36+00	82' RT		--	--	--
		35+68	39' LT			--	8	--	8
		35+78	37' LT			--	12	--	12
		36+39	36' LT			--	10	--	10
		36+00	38.5' LT	37+00	38' LT	1	--	1	--
		40+00	34' RT	43+00	33' RT	3	--	3	--
SUBTOTAL						7	46	7	46
PROJECT TOTAL						7	46	7	46

3

DIVISION	FROM/TO STATION	205.0100 EXCAVATION COMMON (1)		SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	EXPANDED EBS BACKFILL (6)	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH (TON) (6)	UNEXPANDED FILL	EXPANDED FILL (7)	MASS ORDINATE +/- (8 & 9)	WASTE
		CUT (2)	EBS EXCAVATION (3)			FACTOR 1.00	FACTOR 1.90		FACTOR 1.15		
CTH C STAGE 1	11+84.31/44+23.67	5,330	1,431	2,647	2,683	1,431	2,719	7	8	5,802	5,802
STAGE 1 SUBTOTAL		5,330	1,431	2,647	2,683	1,431	2,719	7	8	5,802	5,802
CTH C STAGE 2	34+50.00/36+00.00	172	76	122	50	76	145	0	0	217	217
STAGE 2 SUBTOTAL		172	76	122	50	76	145	0	0	217	217
CTH C STAGE 3	36+50.00/38+00.00	138	67	122	16	67	128	0	0	163	163
STAGE 3 SUBTOTAL		138	67	122	16	67	128	0	0	163	163
CTH C STAGE 4	11+84.31/44+23.67	5,324	1,630	2,756	2,568	1,630	3,098	152	175	5,956	5,956
STAGE 4 SUBTOTAL		5,324	1,630	2,756	2,568	1,630	3,098	152	175	5,956	5,956
CTH C STAGE 5	34+00.00/39+84.57	589	100	134	455	100	191	55	63	611	611
STAGE 5 SUBTOTAL		589	100	134	455	100	191	55	63	611	611
TOTAL COMMON EXC		14,858		5,781	5,772	3,305	6,280	214	246	12,748	12,748

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

(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 EXCAVATION TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(6) EBS TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH. ITEM NUMBER 305.0120
(7) EXPANDED FILL FACTOR = 1.15
EXPANDED FILL = (UNEXPANDED FILL) * FILL FACTOR
(8) 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.
(9) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

3

BASE AGGREGATE ITEMS

CATEGORY	STAGE	LOCATION	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	1	CTH C	3,600
STAGE 1 SUBTOTAL			3,600
	2	CTH C	180
STAGE 2 SUBTOTAL			180
	3	CTH C	160
STAGE 3 SUBTOTAL			160
	4	CTH C	4,020
STAGE 4 SUBTOTAL			4,020
	5	CTH C	150
STAGE 5 SUBTOTAL			150
TOTALS			8,110

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE CURB & GUTTER

CATEGORY	STAGE	LOCATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0150 CONCRETE CURB INTEGRAL TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF
0010	1	CTH C	120	380	2,880	150
STAGE 1 SUBTOTAL			120	380	2,880	150
	2	CTH C	--	110	--	--
STAGE 2 SUBTOTAL			--	110	--	--
	3	CTH C	--	40	--	--
STAGE 3 SUBTOTAL			--	40	--	--
	4	CTH C	860	230	2,960	66
STAGE 4 SUBTOTAL			860	230	2,960	66
	5	CTH C	610	430	--	--
STAGE 5 SUBTOTAL			610	430	--	--
TOTALS			1,590	1,190	5,840	216

3

CONCRETE MEDIAN NOSE

CATEGORY	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2
0010	CTH C	165
SUBTOTALS		165
TOTALS		165

CONCRETE PAVEMENT ITEMS

CATEGORY	STAGE	LOCATION	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY
0010	1	CTH C	9,760	22,320
STAGE 1 SUBTOTAL			9,760	22,320
	2	CTH C	490	--
STAGE 2 SUBTOTAL			490	--
	3	CTH C	470	--
STAGE 3 SUBTOTAL			470	--
	4	CTH C	10,670	--
STAGE 4 SUBTOTAL			10,670	--
TOTALS			21,390	22,320

3

CONCRETE SIDEWALK

CATEGORY	STAGE	LOCATION	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0410 CONCRETE SIDEWALK 5-INCH SF
0010	1	CTH C	333	13,806
STAGE 1 SUBTOTAL			333	13,806
	2	CTH C	1	38
STAGE 2 SUBTOTAL			1	38
	3	CTH C	2	134
STAGE 3 SUBTOTAL			2	134
	4	CTH C	67	3,874
STAGE 4 SUBTOTAL			67	3,874
	5	CTH C	7	1,135
STAGE 5 SUBTOTAL			7	1,135
TOTAL			410	18,987

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CURB RAMP DETECTABLE WARNING FIELDS

CATEGORY	LOCATION	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
0010	CTH C	166	95
SUBTOTAL		166	95
TOTAL		166	95

3

DRIVEWAYS

CATEGORY	LOCATION	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0810 CONCRETE DRIVEWAY 6-INCH SY
0010	CTH C	75	415
SUBTOTALS		75	415
TOTALS		75	415

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DRILLED BAR ITEMS

CATEGORY	LOCATION	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	CTH C	52	270
SUBTOTALS		52	270
TOTALS		52	270

REMOVING STORM SEWER PIPES

FROM	-	TO	204.0245 REMOVING STORM SEWER 12-INCH LF	15-INCH LF	18-INCH LF
EX 1C	-	PR-1C	10	--	--
EX-2G	-	PR-2G	4	--	--
EX-2S	-	PR-2S	4	--	--
EX-3F	-	PR-3F	4	--	--
EX-3O	-	PR-3O	4	--	--
EX-3R	-	EX-3Q	30	--	--
EX-3X	-	EX-3V	4	--	--
EX-2D	-	PR-2D	4	--	--
EX-6A	-	PR-6A	10	--	--
EX-6H	-	EX-6J	30	--	--
EX-6I	-	EX-6J	30	--	--
EX-6I	-	--	16	--	8
*VARIOUS			24	50	50
		SUBTOTAL	174	50	58
		TOTALS		282	

* FOR PROPOSED STRUCTURES CONNECTED TO EXISTING STORM SEWER, REPLACE TO THE NEAREST JOINT OR AS DIRECTED BY THE ENGINEER

REMOVING STORM SEWER STRUCTURES

STRUCTURE	204.0210 REMOVING MANHOLE EACH	204.0220 REMOVING INLET EACH
EX 1C (REMOVE)	--	1
EX-2D (REMOVE)	--	1
EX-2G (REMOVE)	--	1
EX-2Q (REMOVE)	--	1
EX-2S (REMOVE)	--	1
EX-3F (REMOVE)	--	1
EX-3K (REMOVE)	--	1
EX-3N (REMOVE)	--	1
EX-3O (REMOVE)	--	1
EX-3P (REMOVE)	--	1
EX-3R (REMOVE)	--	1
EX-3U (REMOVE)	--	1
EX-3X (REMOVE)	--	1
EX-5J (REMOVE)	--	1
EX-5L (REMOVE)	--	1
EX-6A (REMOVE)	--	1
EX-6C (REMOVE)	--	1
EX-6F (REMOVE)	--	1
EX-6G (REMOVE)	--	1
EX-6H (REMOVE)	--	1
EX-6I (REMOVE)	--	1
EX-6J (REMOVE)	1	--
TOTALS	1	21

ADJUSTING & RECONSTRUCTING STRUCTURES

STRUCTURE	STATION	OFFSET*	EXISTING INVERT	PROPOSED INVERT	611.0420 RECONSTRUCTING MANHOLES EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
EX-1D	12+41	11' RT	704.97	704.73	--	1	--
EX-2H	17+03	13' RT	704.33	704.06	--	1	--
EX-2R	20+57	17' RT	697.21	696.88	--	1	--
EX-3H	23+48	19' RT	692.62	691.84	1	--	--
EX-3L	24+12	2' RT	692.56	691.96	--	--	1
EX-3M	24+39	14' RT	693.07	692.41	--	1	--
EX-3Q	25+17	2' RT	693.56	693.08	--	1	--
EX-3V	27+16	14' RT	698.20	697.95	--	1	--
EX-5D	35+51	23' RT	694.76	694.82	--	1	--
EX-5K	37+50	23' LT	691.69	691.64	--	1	--
EX-6B	40+81	23' LT	682.5	682.56	--	1	--
TOTALS					1	9	1

STORM SEWER PIPES

FROM	-	TO	520.8000 CONCRETE COLLAR FOR PIPE EACH	+608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
PR-2A	-	PR-2B	--	50	--	--	701.63	701.38	0.005
PR-2B	-	PR-2C	--	50	--	--	701.39	701.14	0.005
PR-2C	-	PR-2D	--	42	--	--	701.15	700.94	0.0050
PR-2D	-	EX-2D	1	4	--	--	700.86	700.80	0.0337
PR-2E	-	PR-2F	--	40	--	--	699.89	699.49	0.0100
PR-2F	-	PR-2G	--	47	--	--	699.49	699.02	0.0100
PR-2G	-	EX-2H	--	22	--	--	699.02	698.89	0.0060
PR-2I	-	PR-2J	--	41	--	--	697.80	697.39	0.0100
PR-2K	-	PR-2L	--	42	--	--	695.94	695.52	0.0100
PR-2M	-	PR-2L	--	12	--	--	695.63	695.52	0.0100
PR-2N	-	PR-2O	--	43	--	--	693.93	693.49	0.0100
PR-2P	-	PR-2O	--	11	--	--	693.63	693.52	0.0100
PR-2Q	-	EX-2Q	1	4	--	--	693.12	693.17	0.0222
PR-2S	-	EX-2R	--	12	--	--	692.21	692.00	0.0178
PR-3A	-	PR-3B	--	8	--	--	689.71	689.66	0.0050
PR-3B	-	PR-3C	--	47	--	--	689.67	689.44	0.0050
PR-3D	-	PR-3C	--	7	--	--	689.51	689.44	0.0100
PR-3E	-	PR-3F	--	8	--	--	687.80	687.72	0.0100
PR-3F	-	EX-3H	--	8	--	--	687.65	687.47	0.0242
PR-3G	-	PR-3F	--	8	--	--	687.79	687.71	0.0100
PR-3I	-	PR-3J	--	8	--	--	686.92	686.84	0.0100
PR-3J	-	PR-3K	--	8	--	--	686.86	686.78	0.0100
PR-3K	-	EX-3K	1	6	--	--	686.80	686.74	0.0100
PR-3P	-	EX-3P	1	4	--	--	688.39	688.36	0.0088
PR-3S	-	PR-3T	--	37	--	--	690.29	689.92	0.0100
PR-3U	-	EX-3U	1	4	--	--	692.97	692.95	0.0042
PR-3W	-	PR-3X	--	56	--	--	695.46	694.90	0.0100
PR-4A	-	PR-4B	--	75	--	--	695.25	694.50	0.0100
PR-4B	-	PR-4C	--	58	--	--	694.52	693.93	0.0100
PR-4C	-	PR-4D	--	62	--	--	693.95	693.33	0.0100
PR-4D	-	PR-5A	--	144	--	--	693.35	691.92	0.0100
PR-4E	-	PR-4F	--	100	--	--	696.15	695.15	0.0100
PR-4F	-	PR-4G	--	121	--	--	695.17	693.96	0.0100
PR-4G	-	PR-4D	--	64	--	--	693.98	693.33	0.0101
PR-5A	-	PR-5C	--	55	--	--	690.36	689.81	0.0100
PR-5B	-	PR-5C	--	46	--	--	690.27	689.81	0.0100
PR-5E	-	EX-5D	--	29	--	--	689.82	689.53	0.0100
PR-5F	-	PR-5E	--	8	--	--	689.88	689.80	0.0100
PR-5G	-	PR-5H	--	4	--	--	689.15	689.11	0.0100
PR-5I	-	PR-5H	--	25	--	--	689.36	689.11	0.0100
PR-5M	-	PR-5N	--	5	--	--	681.92	681.87	0.0100
PR-5O	-	PR-5N	--	54	--	--	682.39	681.84	0.0101
PR-5P	-	PR-5Q	--	5	--	--	680.33	680.28	0.0109
PR-6D	-	PR-6E	--	4	--	--	674.41	674.36	0.0100
PR-6H	-	PR-6J	--	28	--	--	669.35	669.07	0.0100
PR-6I	-	PR-6J	--	33	--	--	669.13	668.47	0.0199
*VARIOUS			5	24	50	50	--	--	--
TOTALS			10	1473	50	50			

+MINIMUM REPLACEMENT LENGTH OF 4'
* FOR PROPOSED STRUCTURES CONNECTED TO EXISTING STORM SEWER, REPLACE TO THE NEAREST JOINT OR AS DIRECTED BY THE ENGINEER

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
PR-1C	11+77.38	27.52' RT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	704.59	701.59	2.00
PR-2A	15+40.52	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	705.75	701.63	3.29
PR-2B	15+90.52	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	705.41	701.21	3.20
PR-2C	16+40.52	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	704.84	700.97	2.87
PR-2D	16+82.16	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	704.15	700.48	2.67
PR-2E	16+00.09	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	704.51	699.89	3.78
PR-2F	16+39.90	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	704.52	699.49	4.19
PR-2G	16+86.90	27.93' RT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	704.10	699.02	4.24
PR-2I	17+71.33	27.01' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	702.56	697.80	3.92
PR-2J	17+71.29	14.00' RT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	702.78	697.39	4.34
PR-2K	18+60.04	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	700.46	695.94	3.69
PR-2L	18+60.02	15.08' RT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	700.71	695.52	4.14
PR-2M	18+60.01	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	700.49	695.63	4.02
PR-2N	19+60.04	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	698.24	693.93	3.48
PR-2O	19+60.02	16.30' RT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	698.70	693.40	4.25
PR-2P	19+60.03	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	698.60	693.63	4.14
PR-2Q	20+47.00	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	696.59	693.17	2.59
PR-2S	20+50.41	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	696.85	692.21	3.81
PR-3A	22+22.70	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	693.47	689.71	2.93
PR-3B	22+14.67	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	693.63	689.66	3.13
PR-3C	22+14.65	19.92' RT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	694.21	688.94	4.24
PR-3D	22+14.65	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	694.13	689.51	3.79
PR-3E	23+40.00	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.87	687.80	3.23
PR-3F	23+48.08	27.00' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.80	687.65	3.32
PR-3G	23+56.28	27.14' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.83	687.79	3.21
PR-3I	23+63.42	28.85' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.29	686.92	3.54
PR-3J	23+71.29	28.84' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.30	686.84	3.63
PR-3K	23+79.16	28.83' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.31	686.78	3.70
PR-3N	24+88.49	56.71' RT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	693.92	689.18	3.90
PR-3O	24+43.47	43.23' RT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	693.21	688.18	4.19
PR-3P	25+11.39	29.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	692.28	688.39	3.05
PR-3S	26+08.27	29.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	694.89	690.29	3.76
PR-3T	26+08.25	8.03' RT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	694.98	689.92	4.00
PR-3U	27+13.46	29.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	696.91	692.97	3.11
PR-3W	28+34.16	29.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	699.66	695.46	3.37
PR-3X	28+34.15	27.00' RT	CTH C PROP - FINAL	--	1	--	--	1	--	--	1	700.48	694.73	4.75
PR-4A	31+06.92	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	699.98	695.25	3.89
PR-4B	31+80.03	27.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	699.69	694.50	4.36
PR-4C	32+38.25	27.89' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	699.32	693.93	4.55
PR-4D	33+00.46	30.76' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	698.48	692.77	4.71
PR-4E	30+77.13	27.01' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	700.19	696.15	3.20
PR-4F	31+80.04	27.54' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	699.44	695.15	3.46
PR-4G	33+00.46	33.52' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	697.52	693.96	2.72
PR-5A	34+45.19	31.52' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	695.72	690.36	4.53
PR-5B	34+58.19	52.00' RT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	694.87	690.27	3.77
PR-5C	34+79.91	11.40' RT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	695.37	689.81	4.73
PR-5E	35+79.29	30.00' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	694.38	689.80	3.74
PR-5F	35+87.31	30.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	694.32	689.88	3.61
PR-5G	36+75.97	30.00' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	693.16	689.15	3.18
PR-5H	36+75.97	26.41' LT	CTH C PROP - FINAL	1	--	1	--	--	--	--	1	693.23	684.64	7.53
PR-5I	36+76.03	1.01' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	693.73	689.36	3.53
PR-5J	37+48.56	29.37' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.64	686.64	4.01
PR-5L	37+46.78	49.69' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	691.67	687.64	3.19
PR-5M	39+26.45	27.50' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	686.89	681.92	4.15
PR-5N	39+26.45	22.56' LT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	686.99	679.37	6.59
PR-5O	39+26.52	31.71' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	686.75	682.39	3.53
PR-5P	40+04.23	27.50' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	684.67	680.33	3.50
PR-5Q	40+04.23	22.51' LT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	684.74	677.43	6.28
PR-6A	40+73.98	27.50' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	682.76	677.70	4.23
PR-6C	40+71.01	27.63' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	682.73	678.27	3.63
PR-6D	42+21.82	27.50' LT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	678.69	674.41	3.45
PR-6E	42+21.92	23.26' LT	CTH C PROP - FINAL	1	--	--	1	--	--	--	1	678.77	671.53	6.21
PR-6F	43+46.32	27.52' RT	CTH C PROP - FINAL	--	1	--	--	--	--	1	1	675.28	672.32	1.95
PR-6G	43+46.79	27.50' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	675.28	668.96	5.49
PR-6H	43+73.06	47.73' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	674.62	667.96	5.66
PR-6I	44+20.21	33.43' LT	CTH C PROP - FINAL	--	1	--	--	--	1	--	1	673.26	669.13	3.30
PR-6J	43+88.38	24.20' LT	CTH C PROP - FINAL	1	--	--	--	1	--	--	1	674.46	664.20	9.01
			TOTALS	10	57	1	8	2	16	40	67			

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
**RIM ELEV IS AT THE INLET COVER FLANGE 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

3

EROSION CONTROL ITEMS

CATEGORY	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	PROJECT	375	375	1,100	63	50	3
SUBTOTAL		375	375	1,100	63	50	3
	UNDISTRIBUTED	38	38	80	7	6	--
PROJECT TOTAL		413	413	1,180	70	55	3

EROSION CONTROL MOBILIZATION

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT	9	5
SUBTOTAL		9	5
PROJECT TOTAL		9	5

3

RESTORATION ITEMS

CATEGORY	STAGE	LOCATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	631.1000 SOD LAWN SY	631.0300 SOD WATER MGAL
0010	1	PROJECT	370	2.6	16.9	10.1	8.4	1,071	22
STAGE 1 SUBTOTAL			370	2.6	16.9	10.1	8.4	1,071	22
	2	PROJECT	10	0.1	0.3	0.2	0.2	--	--
STAGE 2 SUBTOTAL			10	0.1	0.3	0.2	0.2	--	--
	3	PROJECT	30	0.2	1.1	0.7	0.6	--	--
STAGE 3 SUBTOTAL			30	0.2	1.1	0.7	0.6	--	--
	4	PROJECT	290	2.0	12.9	7.8	6.5	951	19
STAGE 4 SUBTOTAL			290	2.0	12.9	7.8	6.5	951	19
	5	PROJECT	400	2.8	18.0	10.9	9.1	--	--
STAGE 5 SUBTOTAL			400	2.8	18.0	10.9	9	--	--
SUBTOTAL			1,100	8	49.2	29.7	24.8	2,022	41
		UNDISTRIBUTED	80	1.0	3.5	2.0	2.0	180	4
PROJECT TOTAL			1,180	9	53	32	27	2,202	45

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	PROJECT	2
SUBTOTAL		2
PROJECT TOTAL		2

REMOVING AND MOVING SIGNS

CATEGORY	LOCATION	SIGN NUMBER	SIGN MESSAGE	638.2101 MOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH
0010	CTH C	1-1	TRAFFIC SIGNALS AHEAD SYMBOL	--	1
		1-2	NO PARKING FROM (TIME) TO (TIME)	1	--
		1-3	SPEED LIMIT 35	--	1
		1-4	NO PARKING DURING SNOW EMERGENCY	1	--
		1-5	STOP FOR SCHOOL BUS FLASHING RED LIGHTS STATE LAW	--	1
		1-6	NO PARKING FROM (TIME) TO (TIME)	1	--
		2-1	NO PARKING FROM (TIME) TO (TIME)	1	--
		2-2	NO PARKING FROM (TIME) TO (TIME)	1	--
		2-3	STOP	--	1
		2-4	NO PARKING FROM (TIME) TO (TIME)	1	--
		2-5	ILLINOIS ST	--	1
		2-6	SPRING ST	--	1
		2-7	SPEED LIMIT 35	--	1
		2-8	"THE BUS STOP"	1	--
		2-9	NO PARKING FROM (TIME) TO (TIME)	1	--
		3-1	NO PARKING FROM (TIME) TO (TIME)	1	--
		3-2	NO PARKING FROM (TIME) TO (TIME)	--	1
		3-3	NO PARKING FROM (TIME) TO (TIME)	1	--
		3-4	ROAD CURVES RIGHT	--	1
		3-5	STOP	--	1
		3-6	INDIANA ST	--	1
		3-7	SPRING ST	--	1
		3-8	"THE BUS STOP"	1	--
		3-9	NO PARKING FROM (TIME) TO (TIME)	1	--
		4-1	CHEVRON (LEFT)	--	1
		4-2	CHEVRON (LEFT)	--	1
		4-3	CHEVRON (LEFT)	--	1
		4-4	NO PARKING FROM (TIME) TO (TIME)	1	--
		4-5	CHEVRON (LEFT)	--	1
		4-6	MEADOWBROOK BLVD	--	1
		4-7	CHEVRON (LEFT)	--	1
		4-8	STOP	--	1
		4-9	SPEED LIMIT 35	--	1
		4-10	NO PARKING FROM (TIME) TO (TIME)	1	--
		4-11	NO PARKING FROM (TIME) TO (TIME)	1	--
		4-12	TRAFFIC SIGNALS AHEAD SYMBOL	--	1
		4-13	HOSPITAL SYMBOL WITH RIGHT ARROW	--	1
		4-14	NO PARKING FROM (TIME) TO (TIME)	1	--
		5-1	30 MPH	--	1
		5-2	ROAD CURVES LEFT	--	1
		5-3	STOP	--	1
		5-4	STOP (FOLDING)	--	1
		5-5	NO PARKING ANY TIME	--	1
		5-6	SPRING ST	--	1
		5-7	SPRING VALLEY DR	--	1
		5-8	NO PARKING ANY TIME	--	1
		5-9	STOP (FOLDING)	--	1
		5-10	NO PARKING ANY TIME	--	1
		5-11	STOP (FOLDING)	--	1
		5-12	STOP (FOLDING)	--	1
		5-14	STOP (FOLDING)	--	1
		5-15	STOP	--	1
		5-16	RYDE BUS STOP	1	--
		6-1	TRAFFIC SIGNALS AHEAD SYMBOL	--	1
		6-2	HOSPITAL SYMBOL WITH LEFT ARROW	--	1
		6-3	NO PARKING ANY TIME	--	1
		6-4	NO PARKING ANY TIME	--	1
		6-5	STOP	--	1
		6-6	ALTERNATE SIDE PARKING ORDINANCE	1	--
PROJECT TOTAL				18	41

TYPE II SIGNS AND SUPPORTS

CATEGORY	SIGN NUMBER	SIGN CODE	SIGN SIZE	SIGN TYPE	SIGN DIMENSION W X H N	X	IN	DESCR PTION	634.0614 POSTS WOOD 4X6- NCH X 14-FT EACH	637 2210 SIGNS TYPE II REFLECTIVE H SF	637 2230 SIGNS TYPE II REFLECTIVE F SF	SIGN MOUNTED ON SAME POST AS SIGN NO.	COMMENTS
0010	1-1	W3-3	2S	II	30	X	30	TRAFFIC SIGNALS AHEAD SYMBOL	1	–	6 25	–	–
	1-2	R3-8LA	2S	II	36	X	30	LANE CONTROL SIGNS	1	7 50	–	–	–
	1-3	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	1-4	R3-9D	2S	II	24	X	6	END (PLAQUE)	–	1.00	–	1-3	–
	1-5	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	1	–	–	–	MOVE
	1-6	R2-1	2S	II	24	X	30	SPEED LIMIT 35	1	5 00	–	–	–
	1-7	R7-2 MOD	2S	II	18	X	24	NO PARKING DUR NG SNOW EMERGENCY (TIME) TO (TIME)	1	–	–	–	MOVE
	1-8	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	–	–	–	1-9	MOVE
	1-9	R59-51	2S	II	36	X	36	STOP FOR SCHOOL BUS FLASHING RED LIGHTS STATE LAW	1	9 00	–	–	–
	1-10	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	1-11	R3-9C	2S	II	24	X	6	BEGIN (PLAQUE)	–	1.00	–	1-10	–
	2-1	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	2-2	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	–	–	–	2-1	MOVE
	2-3	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	1	–	–	–	MOVE
	2-4	R1-1	2S	II	36	X	36	STOP	1	7.46	–	–	–
	2-5	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	1	–	–	–	MOVE
	2-6	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	2-7	R2-1	2S	II	24	X	30	SPEED LIMIT 35	1	5 00	–	–	–
	2-8	CUSTOM	2S	II	0	X	0	RYDE BUS STOP	–	–	–	2-7	MOVE
	2-9	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	1	–	–	–	MOVE
	3-1	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	–	6 25	–	–
	3-2	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	–	–	–	3-1	MOVE
	3-3	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	1	–	–	–	MOVE
	3-4	W1-2R	2S	II	30	X	30	NO PARKING (TIME) TO (TIME)	1	–	6 25	–	–
	3-5	R1-1	2S	II	36	X	36	STOP	1	7.46	–	–	–
	3-6	CUSTOM	2S	II	0	X	0	RYDE BUS STOP	1	–	–	–	MOVE
	3-7	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	–	3 00	–	–
	3-8	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	–	–	–	3-7	MOVE
	4-1	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	4-2	W1-8	2S	II	18	X	24	CHEVRON (LEFT)	1	–	3 00	–	–
	4-3	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	1	–	–	–	MOVE
	4-4	W1-8	2S	II	18	X	24	CHEVRON (LEFT)	1	–	3 00	–	–
	4-5	R1-1	2S	II	36	X	36	STOP	1	7 26	–	–	–
	4-6	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	4-7	R3-9C	2S	II	24	X	6	BEGIN (PLAQUE)	–	1.00	–	4-6	–
	4-8	R2-1	2S	II	24	X	30	SPEED LIMIT 35	1	5 00	–	–	–
	4-9	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	–	–	–	–	MOVE
	4-10	W1-8	2S	II	18	X	24	CHEVRON (LEFT)	–	3 00	–	4-9	–
	4-11	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	1	–	–	–	MOVE
	4-12	W3-3	2S	II	30	X	30	SIGNAL AHEAD	1	–	9 00	–	–
	4-13	D9-2	2S	II	24	X	24	HOSPITAL	1	4 00	–	–	–
	4-14	MB6-1	2S	II	21	X	21	ARROW - RIGHT (BLUE)	1	3 06	–	4-13	–
	4-15	R7-2 MOD	2S	II	18	X	24	NO PARKING (TIME) TO (TIME)	–	–	–	4-13	MOVE
	4-16	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	4-17	R3-9D	2S	II	24	X	6	END (PLAQUE)	1	1.00	–	4-16	–
	4-18	R4-7	2S	II	24	X	30	KEEP RIGHT	1	6.18	–	–	–
	4-19	W5-52L	2S	II	12	X	36	CLEARANCE STR PER DOWN LEFT	–	3 00	–	4-18	–
	4-20	R3-20L	2S	II	24	X	36	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	1	6 00	–	–	–
	5-1	W1-2L	2S	II	30	X	30	LEFT CURVE	1	–	6 25	–	–
	5-2	R1-1	2S	II	36	X	36	STOP	1	7 26	–	–	–
	5-3	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	–	MOUNT ON SIGNAL POLE
	5-4	R4-7	2S	II	24	X	30	KEEP RIGHT	–	5 00	–	5-3	MOUNT ON SIGNAL POLE
	5-5	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	–	MOUNT ON SIGNAL POLE
	5-6	R6-2L	2S	II	24	X	30	ONE WAY LEFT ARROW	–	5 00	–	5-5	MOUNT ON SIGNAL POLE
	5-7	R7-1D	2S	II	18	X	24	NO PARKING ANY TIME (DOUBLE ARROWS)	1	3 00	–	–	–
	5-8	R7-1D	2S	II	18	X	24	NO PARKING ANY TIME (DOUBLE ARROWS)	1	3 00	–	–	–
	5-9	R5-1	2S	II	30	X	30	DO NOT ENTER	–	6 25	–	–	MOUNT ON SIGNAL POLE
	5-10	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	5-9	MOUNT ON SIGNAL POLE
	5-11	R5-1	2S	II	30	X	30	DO NOT ENTER	–	5.18	–	–	MOUNT ON SIGNAL POLE
	5-12	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	5-11	MOUNT ON SIGNAL POLE
	5-13	R3-20LL	2S	II	24	X	36	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW	1	5.18	–	–	–
	5-14	R7-1D	2S	II	18	X	24	NO PARKING ANY TIME (DOUBLE ARROWS)	1	3 00	–	–	–
	5-15	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	–	MOUNT ON SIGNAL POLE
	5-16	R5-1	2S	II	30	X	30	DO NOT ENTER	–	5.18	–	5-15	MOUNT ON SIGNAL POLE
	5-17	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	–	MOUNT ON SIGNAL POLE
	5-18	R5-1	2S	II	30	X	30	DO NOT ENTER	–	5.18	–	5-17	MOUNT ON SIGNAL POLE
	5-19	R6-2L	2S	II	24	X	30	ONE WAY LEFT ARROW	–	5.18	–	–	MOUNT ON SIGNAL POLE
	5-20	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	–	MOUNT ON SIGNAL POLE
	5-22	R6-2L	2S	II	24	X	30	ONE WAY LEFT ARROW	1	5 00	–	–	MOUNT ON SIGNAL POLE
	5-23	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	5-22	MOUNT ON SIGNAL POLE
	5-24	R4-7	2S	II	24	X	30	KEEP RIGHT	–	5 00	–	–	MOUNT ON SIGNAL POLE
	5-25	R1-1F	2S	II	36	X	36	STOP (FOLDING)	–	7 26	–	5-24	MOUNT ON SIGNAL POLE
	5-26	R1-1	2S	II	36	X	36	STOP	1	7 26	–	–	–
	5-27	CUSTOM	2S	II	18	X	24	RYDE BUS STOP	1	–	–	–	MOVE
	5-28	R4-7	2S	II	24	X	30	KEEP RIGHT	1	5 00	–	–	–
	5-29	W5-52L	2S	II	12	X	36	CLEARANCE STR PER DOWN LEFT	–	3 00	–	5-28	–
	6-1	W3-3	2S	II	30	X	30	TRAFFIC SIGNALS AHEAD SYMBOL	1	–	6 25	–	–
	6-2	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	6-3	D9-2	2S	II	24	X	24	HOSPITAL	1	4 00	–	–	–
	6-4	MB6-1	2S	II	21	X	21	ARROW - LEFT (BLUE)	–	3 06	–	6-3	–
	6-5	R7-1D	2S	II	18	X	24	NO PARKING ANY TIME (DOUBLE ARROWS)	–	3 00	–	6-3	–
	6-6	R7-1D	2S	II	18	X	24	NO PARKING ANY TIME (DOUBLE ARROWS)	1	3 00	–	–	–
	6-7	R1-1	2S	II	36	X	36	STOP	1	7 26	–	–	–
	6-8	R3-9B	2S	II	24	X	36	CENTER LANE LEFT TURN ONLY SYMBOL	1	6 00	–	–	–
	6-9	R7-MOD	2S	II		X		ALTERNATE S DE PARK NG ORD NANCE	1	–	–	–	MOVE
	6-10	R3-8LAA	2S	II	54	X	30	LANE CONTROL SIGNS	2	5.18	–	–	–
PROJECT TOTAL									55 00	311.44	49 25		

COLD WEATHER LONG LINE PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	646.6468 COLD WEATHER MARKING EPOXY 8-INCH WHITE LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	12.5' LINE 37.5' SKIP YELLOW	SOLID YELLOW LF
0010	1	PROJECT	166	720	241	2,661
STAGE 1 SUBTOTAL			166	720	241	2,661
	2	PROJECT	61	--	--	--
STAGE 2 SUBTOTAL			61	--	--	--
	3	PROJECT	--	30	--	--
STAGE 3 SUBTOTAL			--	30	--	--
	4	PROJECT	435	755	243	2,228
STAGE 4 SUBTOTAL			435	755	243	2,228
PROJECT TOTAL			662		6,878	

LONG LINE PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	12.5' LINE 37.5' SKIP YELLOW	SOLID YELLOW LF
0010	PROJECT	662	1,506	484	4,889
SUBTOTAL		662	1,506	484	4,889
TOTAL		662		6,879	

MISCELLANEOUS PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	PROJECT	472	166	26	2	54	2
SUBTOTAL		472	166	26	2	54	2
TOTAL		472	166	26	2	54	2

SAWING

CATEGORY	STAGE	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	1	CTH C	73	3,868
STAGE 1 SUBTOTAL			73	3,868
	2	CTH C	--	228
STAGE 2 SUBTOTAL			--	228
	3	CTH C	--	93
STAGE 3 SUBTOTAL			--	93
	4	CTH C	289	957
STAGE 4 SUBTOTAL			289	957
PROJECT TOTAL			362	5,146

BACKFILL SLURRY

CATEGORY	STAGE	LOCATION	SPV.0035.001 BACKFILL SLURRY CY
0010	ALL	PROJECT	10
		PROJECT TOTAL	10

FIELD OFFICE

CATEGORY	STAGE	LOCATION	642.5001 FIELD OFFICE TYPE B EACH
0010	ALL	PROJECT	1
PROJECT TOTAL			1

WATER

CATEGORY	STAGE	LOCATION	624.0100 MGAL
0010	ALL	PROJECT-BASE COMPACTION	282
		PROJECT-COMMON EXCAVATION	45
		PROJECT-BORROW	22
PROJECT TOTAL			349

STAKING ITEMS

CATEGORY	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE 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	CTH C	3239	3239	1	21	1	1	886
SUBTOTAL		3,239	3,239	1	21	1	1	886
TOTAL		3,239	3,239	1	21	1	1	886

FINISHING ROADWAY

CATEGORY	LOCATION	213.0100 FINISHING ROADWAY (PROJECT) EACH
0010	CTH C	1
SUBTOTAL		1
TOTAL		1

MOBILIZATION

CATEGORY	LOCATION	619.1000 MOBILIZATION EACH
0010	PROJECT	1
PROJECT TOTAL		1

ASPHALTIC ITEMS

CATEGORY	LOCATION	465.0125 ASPHALTIC SURFACE TEMPORARY TON
0010	SPRING VALLEY DRIVE	60
SUBTOTAL		60
TOTAL		60

3

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS NO.	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	643.0420 TRAFFIC CONTROL BARRICADES TYPE III 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 NO.	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0810 CONNECTED ARROW BOARD NO.	643.0810 CONNECTED ARROW BOARD DAY	643.0900* TRAFFIC CONTROL SIGNS NO.	643.0900* TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1220 CONNECTED WORK ZONE START AND END LOCATION MARKERS NO.	643.1220 CONNECTED WORK ZONE START AND END LOCATION MARKERS DAY
0010	1	CTH C	54	270	14,580	50	2,700	159	138	100	5,400	28	1,512	3	162	70	3,780	2	14	2	108
		UNDISTRIBUTED			1,458		270	16	14		540		151		16		378				11
		STAGE 1 SUBTOTAL			16,038		2,970	175	152		5,940		1,663		178		4,158		14		119
	2	CTH C	16	190	3,040	11	176	23	20	22	1,188	20	320	3	48	38	608	--		2	32
		UNDISTRIBUTED			304		18	2	2		119		32		5		61				3
		STAGE 2 SUBTOTAL			3,344		194	25	22		1,307		352		53		669		--		35
	3	CTH C	19	157	2,983	11	209	18	16	22	418	20	380	2	38	32	608	--		2	38
		UNDISTRIBUTED			298		21	2	2		42		38		4		61				4
		STAGE 3 SUBTOTAL			3,281		230	20	18		460		418		42		669		--		42
	4	CTH C	57	209	11,913	39	2,223	331	288	78	4,446	28	1,596	3	171	53	3,021	--		2	114
		UNDISTRIBUTED			1,191		222	33	29		445		160		17		302				11
		STAGE 4 SUBTOTAL			13,104		2,445	364	317		4,891		1,756		188		3,323		--		125
	5	CTH C	13	136	7,752	7	399	--	--	14	798	41	2,337	2	114	26	1,482	--		2	114
		UNDISTRIBUTED			775		40	--	--		80		234		11		148				11
		STAGE 5 SUBTOTAL			8,527		439	--	--		878		2,571		125		1,630		--		125
		PROJECT TOTAL			44,295		6,278	584	508		13,475		6,760		586		10,449		14		447

TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH SOLID YELLOW LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH SOLID WHITE LF	643.3505 TEMPORARY MARKING ARROW PAINT EACH	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
0010	1	CTH C	6,910	1,519	3	55	--	3,593	2
		STAGE 1 SUBTOTAL	6,910	1,519	3	55	--	3,593	2
	2	CTH C	1,817	1,920	4	72	244	--	--
		STAGE 2 SUBTOTAL	1,817	1,920	4	72	244	--	--
	3	CTH C	--	--	--	--	--	--	--
		STAGE 3 SUBTOTAL	--	--	--	--	--	--	--
	4	CTH C	7,761	388	4	55	--	404	--
		STAGE 4 SUBTOTAL	7,761	388	4	55	--	404	--
	5	CTH C	572	690	--	55	--	--	--
		STAGE 5 SUBTOTAL	572	690	--	55	--	--	--
		PROJECT TOTAL	17,060	4,517	11	237	244	3,997	2

TEMPORARY PEDESTRIAN DETOUR

CATEGORY	STAGE	LOCATION	643.0900* TRAFFIC CONTROL SIGNS DURATION DAYS	643.0900* TRAFFIC CONTROL SIGNS NO.	643.0900* TRAFFIC CONTROL SIGNS DAY	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP NO.	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICES NO.	644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICES DAY
0010	1	CTH C AND FAIRWAY DR	54	3	162	--	--	--	--	20	1	16
		CTH C AND OSBORNE BLVD	54	2	32	--	--	--	--	--	1	16
		STAGE 1 SUBTOTAL			194	--		--	--	20		32
	2	CTH C AND SPRING VALLEY DR	16	2	32	--	--	--	--	20	--	--
		CTH C AND FAIRWAY DR	16	1	16	--	--	--	--	--	1	16
		STAGE 2 SUBTOTAL			48	--		--	--	20		16
	3	CTH C AND SPRING VALLEY DR	19	2	38	--	--	--	--	20	--	--
		CTH C AND FAIRWAY DR	19	2	38	--	--	--	--	--	1	16
		STAGE 3 SUBTOTAL			48	--		--	--	20		16
	4	CTH C AND SPRING VALLEY DR	57	2	114	--	--	--	--	20	--	--
		CTH C AND FAIRWAY DR	7	4	28	60	2	14	20	490	1	7
		CTH C AND FAIRWAY DR	50	2	100	--	--	--	--	--	1	50
		FAIRWAY DR AND ST ANDREWS BLVD	7	3	21	--	1	7	--	20	--	--
		CTH C AND OSBORNE BLVD	57	2	114	--	--	--	--	--	1	57
		STAGE 4 SUBTOTAL			377	60		21	20	530		114
	5	CTH C AND SPRING VALLEY DR	13	2	26	--	--	--	--	20	--	--
		STAGE 5 SUBTOTAL			26	--		--	--	20		--
		PROJECT TOTAL			693	60		21	20	610		178

TRAFFIC CONTROL

CATEGORY	LOCATION	643.5000 TRAFFIC CONTROL EACH
0010	CTH C	1
	PROJECT TOTAL	1

CITY OF RACINE SANITARY SEWER

CATEGORY	LOCATION	STATION	OFFSET	SPV.0060.101* ADJUSTING SANITARY MANHOLES EACH	COMMENTS
0030	PROJECT	35+35	LT	1	REPLACE COVER & CASTING
		37+21	LT	1	REPLACE COVER & CASTING
		40+24	LT	1	REPLACE COVER & CASTING
		43+95	LT	1	REPLACE COVER & CASTING
TOTALS				4	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

VILLAGE OF MOUNT PLEASANT SANITARY SEWER

CATEGORY	LOCATION	STATION	OFFSET	SPV.0060.101* ADJUSTING SANITARY MANHOLES EACH	SPV.0060.102 RECONSTRUCTING SANITARY MANHOLES EACH	SPV.0060.103 12" ECCENTRIC PLUG VALVE & BOX EACH	SPV.0060.104 18" ECCENTRIC PLUG VALVE & BOX EACH	COMMENTS
0020	PROJECT	14+60	RT	1	--	--	--	REPLACE COVER & CASTING
		18+15	RT	1	--	--	--	REPLACE COVER & CASTING
		21+45	RT	1	--	--	--	REPLACE COVER & CASTING
		24+50	RT	1	--	--	--	REPLACE COVER & CASTING
		26+80	RT	1	--	--	--	REPLACE COVER & CASTING
		29+10	RT	1	--	--	--	REPLACE COVER & CASTING
		31+75	RT	--	1	--	--	REPLACE COVER & CASTING
		34+65	RT	1	--	--	--	REPLACE COVER & CASTING
		34+70	RT	--	--	2	1	METER VALVES
TOTALS				7	1	2	1	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

REMOVE TRAFFIC SIGNALS

CATEGORY	STAGE	LOCATION	204.9060.S.001 REMOVING TRAFFIC SIGNALS EACH
0010	1	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL			1

REMOVE CONCRETE BASES

CATEGORY	STAGE	SIGNAL BASE NO.	STATION***	OFFSET***	204.0195 REMOVING CONCRETE BASES EACH	COMMENT
0010	1	CB-1	34+94.20	61.46' RT	1	TYPE 9
	1	SB-5	36+05.91	48.47' RT	1	TYPE 2
	1	SB-7	35+30.09	73.92' RT	1	TYPE 1
	1	SB-8	34+84.42	54.59' RT	1	TYPE 1
	1	SB-9	34+64.43	2.53' RT	1	TYPE 1
SUBTOTAL STAGE 1					5	
0010	2	SB-6	35+72.37	66.93' RT	1	TYPE 1
SUBTOTAL STAGE 2					1	
0010	4	SB-1	34+86.95	36.82' LT	1	TYPE 2
	4	SB-2	35+43.10	43.03' LT	1	TYPE 1
	4	SB-3	36+06.35	30.00' LT	1	TYPE 1
SUBTOTAL STAGE 4					3	
0010	5	SB-4	36+07.18	11.80' RT	1	TYPE 1
SUBTOTAL STAGE 5					1	
CATEGORY 0010 TOTAL					10	

*** ALL LOCATIONS ARE OFF CTH C ALIGNMENT

REMOVING PULL BOXES

CATEGORY	STAGE	PULL BOX NO.	STATION***	OFFSET***	653.0905 REMOVING PULL BOXES EACH
0010	1	PB-8	36+08.52	51.19' RT	1
	1	PB-11	35+27.34	71.75' RT	1
	1	PB-12	34+78.70	55.61' RT	1
	1	PB-13	32+92.96	42.13' RT	1
	1	PB-14	34+58.34	1.73' RT	1
SUBTOTAL STAGE 1					5
0010	2	PB-9	36+16.29	64.35' RT	1
	2	PB-9A	36+30.26	155.57' RT	1
	2	PB-10	35+67.79	64.44' RT	1
	2	PB-10A	36+02.46	114.53' RT	1
SUBTOTAL STAGE 2					4
0010	4	PB-1	34+86.49	40.50' LT	1
	4	PB-2	33+95.10	180.98' LT	1
	4	PB-3	35+48.55	40.51' LT	1
	4	PB-4	36+12.45	34.30' LT	1
	4	PB-5	37+93.94	32.61' LT	1
SUBTOTAL STAGE 4					5
0010	5	PB-6	36+10.27	11.54' RT	1
	5	PB-7	36+28.57	12.07' RT	1
SUBTOTAL STAGE 5					2
CATEGORY 0010 TOTAL					16

*** ALL LOCATIONS ARE OFF CTH C ALIGNMENT

3

POLE & ARM ITEMS

CATEGORY	SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0347 POLES TYPE 9-SPECIAL EACH	657.0305 POLES TYPE 2 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0546 MONOTUBE ARMS 45-FT-SPECIAL EACH
0010	SB1	1	--	--	--	--	1	--
	SB2	--	--	1		--	--	1
	SB3	--	1	--	1	--	--	--
	SB4	1	--	--	--	--	1	--
	SB5	--	--	1	--	--	--	1
	SB6	1	--	--	--	1	--	--
	SB7	--	1	--	1	--	--	--
	SB8	1	--	--	--	1	--	--
CATEGORY 0010 TOTALS		4	2	2	2	2	2	2

TEMPORARY TRAFFIC SIGNALS FOR INTESECTIONS

661.0201.001

CATEGORY	STAGE	LOCATION	TEMPORARY TRAFFIC SIGNAL FOR INTERSECTIONS EACH
0010	1	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL			1

TRAFFIC SIGNAL CONTROLLER AND CABINET

SPV.0060.107

CATEGORY	LOCATION	FURNISH AND INSTALL SIGNAL CABINET AND CONTROLLER AT CTH C & SPRING VALLEY DR EACH
0010	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL		1

VEHICULAR VIDEO DETECTION SYSTEM

SPV.0060.108

CATEGORY	LOCATION	VEHICULAR VIDEO DETECTION SYSTEM 4 CAMERAS EACH
0010	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL		1

3

TRAFFIC SIGNAL CABLE AND WIRE ITEMS

CATEGORY	FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0285 CABLE TRAFFIC SIGNAL 21-14 AWG LF
0010	CB1	SB1	--	--	67	--	--
	CB1	SB2	--	--	--	--	332
	CB1	SB3	418	--	--	--	--
	CB1	SB4	--	--	--	342	--
	CB1	SB5	--	--	--	194	--
	CB1	SB6	--	194	--	--	--
	CB1	SB7	--	--	128	--	--
	CB1	SB8	--	62	--	--	--
CATEGORY 0010 TOTALS			418	256	195	536	332

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
0010	CB1	SB1	51
	SB1	SB2	370
	SB2	SB3	147
	SB3	SB4	168
	SB4	SB5	210
	SB5	SB6	44
	SB6	SB7	114
	SB7	SB8	101
	SB8	CB1	61
	PB1	CB1	36
	PB1	SB1	47
	PB7	SB2	26
	P11	SB3	89
	PB12	SB4	28
	PB17	SB5	31
	PB17	SB6	29
	PB18	SB7	31
	PB20	SB8	25
CATEGORY 0010 TOTAL			1,608

TRAFFIC SIGNAL EVP DETECTOR CABLE

CATEGORY	FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
0010	CB1	SB2	276
	CB1	SB5	188
CATEGORY 0010 TOTAL			464

EVP SYSTEM INSTALLATION

CATEGORY	LOCATION	SPV.0060.105 EVP SYSTEM INSTALLATION, CTH C & SPRING VALLEY DR. EACH
0010	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL		1

3

CABLE TRAFFIC SIGNAL ITEMS

CATEGORY	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF
0010	SB1	HEAD 1	20	--
	SB1	HEAD 9	20	--
	SB2	HEAD 7	50	--
	SB2	HEAD 8	39	--
	SB2	HEAD 10	68	--
	SB2	HEAD 14	--	25
	SB2	HEAD 15	25	--
	SB3	HEAD 12	18	--
	SB4	HEAD 4	20	--
	SB4	HEAD 6	20	--
	SB4	HEAD 21	28	--
	SB5	HEAD 2	51	--
	SB5	HEAD 3	40	--
	SB5	HEAD 5	69	--
	SB5	HEAD 20	35	--
	SB6	HEAD 11	18	--
	SB6	HEAD 19	26	--
	SB7	HEAD 13	--	20
	SB7	HEAD 17	20	--
	SB8	HEAD 16	18	--
	SB8	HEAD 18	26	--
CATEGORY 0010 TOTALS			611	45

NOTE:

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOXES ITEMS

CATEGORY	STAGE	PULL BOX NO.	STATION***	OFFSET***	653.0140 PULL BOXES STEEL 24X42-INCH EACH
0010	1	PB1	35+07.67	56.97' RT	1
	1	PB2	34+33.02	54.33' RT	1
	1	PB13	35+26.22	86.11' RT	1
SUBTOTAL STAGE 1					3
0010	2	PB12	35+65.17	60.28' RT	1
SUBTOTAL STAGE 2					1
0010	4	PB4	34+28.42	4.40' LT	1
	4	PB5	34+25.40	35.33' LT	1
	4	PB6	34+86.33	40.09' LT	1
	4	PB7	35+54.63	39.20' LT	1
	4	PB8	36+03.91	35.54' LT	1
	4	PB9	36+41.85	4.07' LT	1
SUBTOTAL STAGE 4					6
0010	5	PB3	34+32.49	15.94' RT	1
	5	PB10	36+43.05	15.93' RT	1
	5	PB11	36+22.60	58.79' RT	1
SUBTOTAL STAGE 5					3
CATEGORY 0010 TOTALS					13

NOTE:

*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL LOCATIONS ARE OFF CTH C ALIGNMENT

3

CONDUIT ITEMS

CATEGORY	STAGE	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
0010	1	CB1	PB1	--	39	--
	1	PB1	SB1	27	--	--
	1	PB1	PB2	--	152	--
	1	PB13	SB8	5	--	--
	1	PB13	CB1	--	87	--
SUBTOTAL STAGE 1				32	278	0
0010	2	PB12	SB7	11	--	--
SUBTOTAL STAGE 2				11	--	--
0010	4	PB4	PB5	--	66	--
	4	PB5	PB6	--	--	126
	4	PB6	SB2	--	6	--
	4	PB6	PB7	--		
	4	PB7	SB3	--	138	--
	4	PB7	PB8	--	102	--
	4	PB8	SB4	8	--	--
	4	PB8	PB9	--	100	--
SUBTOTAL STAGE 4				8	412	126
0010	5	PB9	PB10	--	44	--
	5	PB10	PB11	--	--	94
	5	PB11	SB5	--	11	--
	5	PB11	SB6	9	--	--
	5	PB11	PB12	--	--	108
	5	PB12	PB13	--	--	90
	5	PB2	PB3	--	--	80
	5	PB3	PB4	--	--	42
SUBTOTAL STAGE 5				9	55	414
CATEGORY 0010 TOTALS				60	745	540

AUDIBLE PEDESTRIAN PUSH BUTTON SYSTEM

SPV.0060.106

CATEGORY	LOCATION	FURNISH AND INSTALL AUDIBLE PEDESTRIAN PUSH BUTTON SYSTEM AT CTH C & SPRING VALLEY DR EACH
0010	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL		1

ELECTRICAL SERVICE METER BREAKER PEDESTAL

656.0201.001

CATEGORY	LOCATION	ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
0010	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL		1

SIGNAL MOUNTING HARDWARE

658.5070.001

CATEGORY	LOCATION	SIGNAL MOUNTING HARDWARE EACH
0010	CTH C & SPRING VALLEY DR	1
CATEGORY 0010 TOTAL		1

3

CONCRETE BASES ITEMS

CATEGORY	STAGE	SIGNAL BASE NO.	STATION***	OFFSET***	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
0010	1	CB1	35+05.48	69.72' RT	--	--	--	1
	1	SB1	34+82.59	61.28' RT	1	--	--	--
	1	SB8	35+30.51	82.98' RT	1	--	--	--
SUBTOTAL STAGE 1					2	0	0	1
0010	2	SB7	35+71.85	70.22' RT	--	1	--	--
SUBTOTAL STAGE 2					0	1	0	0
0010	4	SB2	34+90.68	36.61' LT	--	--	1	--
	4	SB3	35+40.17	47.96' LT	--	1	--	--
	4	SB4	36+10.42	36.08' LT	1	--	--	--
SUBTOTAL STAGE 4					1	1	1	0
0010	5	SB5	36+18.52	49.72' RT	--	--	1	--
	5	SB6	36+14.39	57.05' RT	1	--	--	--
SUBTOTAL STAGE 5					1	0	1	0
CATEGORY 0010 TOTALS					4	2	2	1

NOTES:

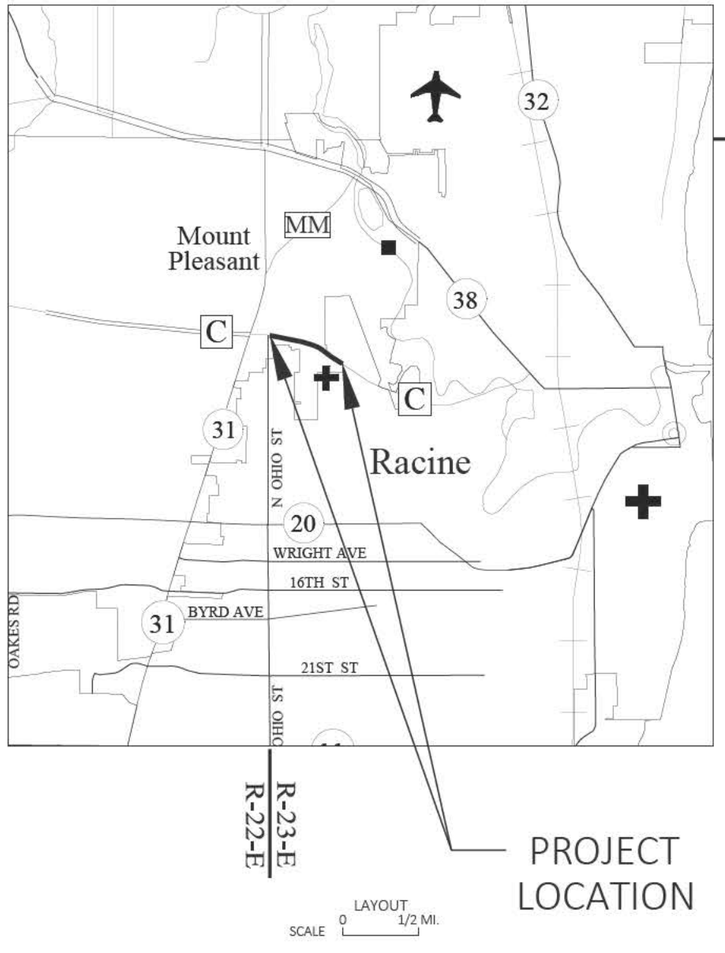
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL LOCATIONS ARE OFF CTH C ALIGNMENT

TRAFFIC SIGNAL FACE ITEMS

CATEGORY	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
0010	1	SB1	1	--	--	--
	2	SB5	1	--	--	--
	3	SB5	1	--	--	--
	4	SB4	--	1	--	--
	5	SB5	--	1	--	--
	6	SB4	1	--	--	--
	7	SB2	1	--	--	--
	8	SB2	1	--	--	--
	9	SB1	--	1	--	--
	10	SB2	--	1	--	--
	11	SB6	1	--	--	--
	12	SB3	1	--	--	--
	13	SB7	--	--	1	--
	14	SB2	--	--	1	--
	15	SB2	1	--	--	--
	16	SB8	1	--	--	--
	17	SB7	1	--	--	--
	18	SB8	--	--	--	1
	19	SB6	--	--	--	1
	20	SB5	--	--	--	1
	21	SB4	--	--	--	1
CATEGORY 0010 TOTALS			11	4	2	4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
2390-09-03
MOUNT PLEASANT - RACINE
NORTH OHIO STREET TO FAIRWAY DRIVE
CTH C
RACINE COUNTY



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 2390-09-23

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 ¾" 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

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

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 RACINE COUNTY HIGHWAY DEPARTMENT

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES

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
EXISTING CENTERLINE
CORPORATE LIMITS
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
BUILDING BLDG TO BE REMOVED BLDG
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
NON-PERMITTED SIGN
PERMITTED SIGN
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25
PARALLEL OFFSETS

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND SURVEY MONUMENT (SEE FOUND MONUMENT TABLE) IP

GN

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	PROPERTY LINE	PL
ACRES	AC	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	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 TRUNK HIGHWAY	CTH	SECTION	SEC
CORNER	COR	SEPTIC VENT	SEPV
DOCUMENT NUMBER	DOC	SQUARE FEET	SF
EASEMENT	EASE	STATE TRUNK HIGHWAY	STH
EXISTING	EX	STATION	STA
GAS VALVE	GV	TELEPHONE PEDESTAL	TP
GRID NORTH	GN	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
INTERSTATE HIGHWAY	IH	VOLUME	V
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		
POINT OF INTERSECTION	PI		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
DELTA ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

UTILITY NUMBER 40

	COMPENSABLE	NON-COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
COMBINED SEWER	SSS	
ELECTRIC TOWER		
TRANSMISSION STRUCTURES		
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC)		

PROJECT NUMBER 2390-09-03- 4.01
SHEET 2 OF 2

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\TPP\040100-RP DWG
LAYOUT NAME: TPP Title 34x22
PLOT DATE : 9/16/2015 3:04 PM PLOT BY : MICHAELA GALGANSKI PLOT NAME : _____

2390-09-03- 4 01

TRANSPORTATION PROJECT PLAT NO: 2390-09-03 - 4.01

THAT PART OF THE SE 1/4 OF THE NW 1/4 IN SECTION 7, TOWNSHIP 3 NORTH, RANGE 23 EAST, VILLAGE OF MOUNT PLEASANT AND THAT PART OF THE SW 1/4 OF THE NE 1/4 IN SECTION 7, TOWNSHIP 3 NORTH, RANGE 23 EAST, CITY OF RACINE, ALL IN RACINE COUNTY, WISCONSIN.

RELOCATION ORDER, CTH C, MOUNT PLEASANT - RACINE, NORTH OHIO STREET TO FAIRWAY DRIVE, RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, RACINE COUNTY DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 83 08 (1), WISCONSIN STATUTES, RACINE COUNTY 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-NAMED PROJECT
2 THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY RACINE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF RACINE COUNTY, PURSUANT TO THE PROVISIONS OF SUBSECTIONS 83 08 (1), 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 SHOWN 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 ¾" 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 RACINE COUNTY HIGHWAY DEPARTMENT.

4

VILLAGE

OF

CITY

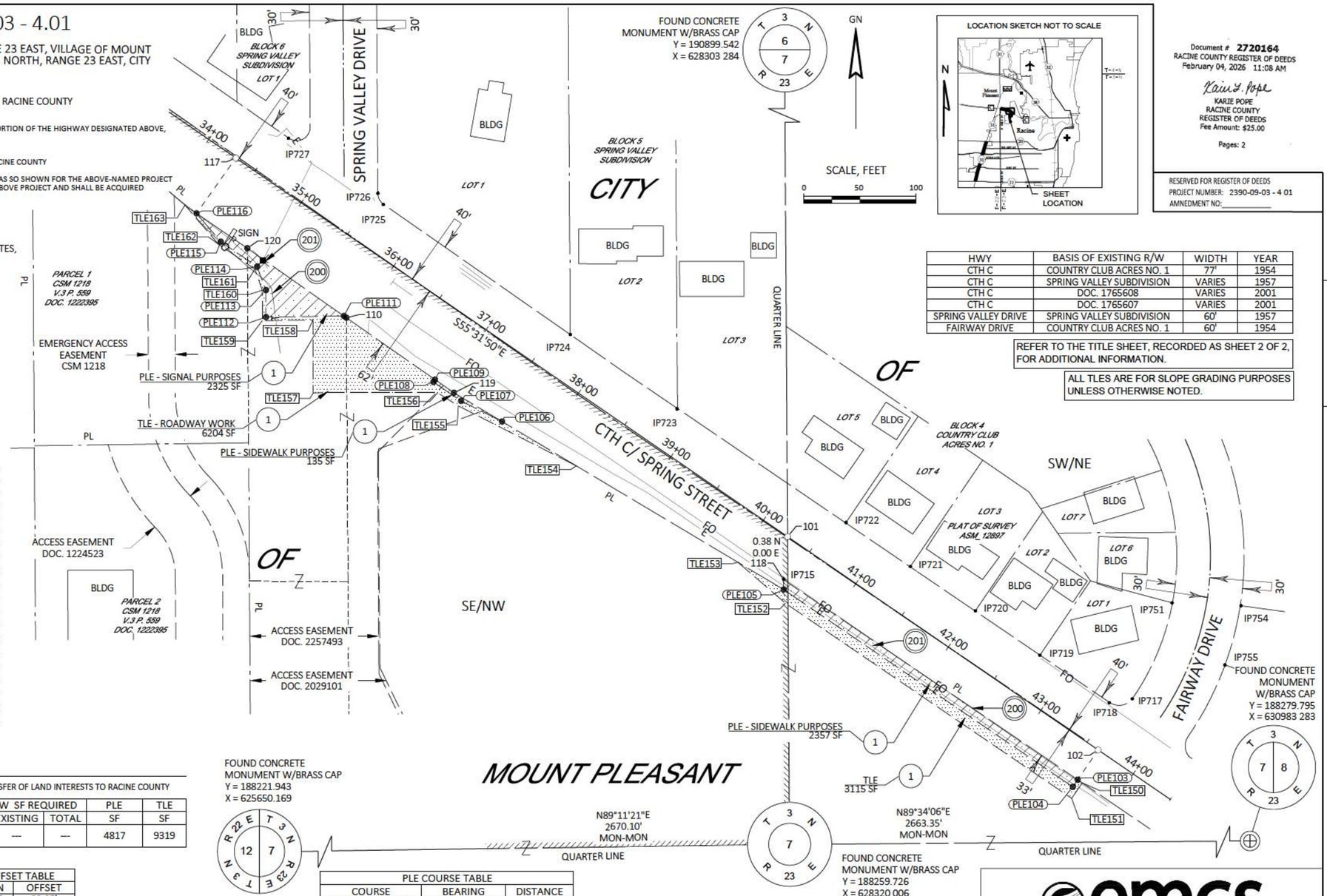
OF

SE/NW

SW/NE

MOUNT PLEASANT

RACINE



HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
CTH C	COUNTRY CLUB ACRES NO. 1	77'	1954
CTH C	SPRING VALLEY SUBDIVISION	VARIES	1957
CTH C	DOC. 1765608	VARIES	2001
CTH C	DOC. 1765607	VARIES	2001
SPRING VALLEY DRIVE	SPRING VALLEY SUBDIVISION	60'	1957
FAIRWAY DRIVE	COUNTRY CLUB ACRES NO. 1	60'	1954

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES UNLESS OTHERWISE NOTED.

Document # 2720164
RACINE COUNTY REGISTER OF DEEDS
February 04, 2026 11:08 AM
Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 2390-09-03 - 4 01
AMNEDMENT NO:_____

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	AT&T (COMMUNICATION)	RELEASE OF RIGHTS
201	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS

(200) AT&T (COMMUNICATION)
NO RECORD EASEMENT - PAR. 1

(201) WE ENERGIES (ELECTRIC)
NO RECORD EASEMENT - PAR. 1

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
101	40+26.10	0.00'
102	43+62 05	0.00'
PLE103	43+62 05	32.28'
PLE104	43+62 05	40.00'
PLE105	40+49.94	40.85'
PLE106	37+58 03	59.47'
PLE107	37+17 55	65.00'
PLE108	36+87 62	65.00'
PLE109	36+87 64	62.49'
110	35+91 22	61.74'
PLE111	35+88 62	61.72'
PLE112	35+31.79	101 82'
PLE113	35+18 05	82.00'
PLE114	34+99.78	69.17'
PLE115	34+60.44	69.19'
PLE116	34+28 34	60.61'
117	34+29 34	0.00'
118	40+44.90	33.61'
119	37+08.15	62.65'
120	34+83 30	60.59'

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 INTERESTS TO RACINE COUNTY

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	FEE R/W SF REQUIRED NEW	EXISTING	TOTAL	PLE SF	TLE SF
1	ALL SAINTS MEDICAL CENTER, INC. NOW KNOWN AS ASCENSION ALL SAINTS HOSPITAL, INC.	PLE/TLE	---	---	---	4817	9319

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP715	188496.193	628314.741	1" OD PIPE
IP717	188389.577	628625.727	3/4" OD PIPE
IP718	188386.057	628605.131	3/4" OD PIPE
IP719	188428.436	628543.256	3/4" OD PIPE
IP720	188468.092	628485.730	1-1/4" OD PIPE
IP721	188507.587	628427.82	1-1/4" OD PIPE
IP722	188546.828	628370.355	3/4" OD PINCHED PIPE
IP723	188648.160	628219.695	1-1/4" OD SQUARE PIPE
IP724	188714.438	628124.519	1-1/4" OD SQUARE PIPE
IP725	188830.356	627957.736	1-1/4" OD SQUARE PIPE
IP726	188840.427	627952.884	1-1/4" OD SQUARE PIPE
IP727	188889.504	627873.169	1-1/4" OD SQUARE PIPE
IP751	188475.173	628661.185	1" OD PIPE
IP754	188472.609	628722.571	1" OD PIPE
IP755	188419.753	628708.273	1-1/2" OD PIPE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERY CORNER.

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE150	43+67 05	32.25'
TLE151	43+67 05	49.00'
TLE152	40+58 05	50.00'
TLE153	40+02 55	43.87'
TLE154	38+35.05	54.56'
TLE155	37+18.05	70.00'
TLE156	36+96.11	70.82'
TLE157	36+04.76	133 64'
TLE158	35+67.82	80.36'
TLE159	35+30.87	106 33'
TLE160	35+15.55	84.00'
TLE161	34+99.44	72.17'
TLE162	34+60.05	72.19'
TLE163	34+15.63	60.32'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
N. COR. SEC. 7-101	S00° 21' 47"E	2365.43'
101-102	S55° 31' 50"E	335.94'
102-PLE103	S34° 28' 10"W	32.27'
PLE103-PLE104	S34° 28' 10"W	7.73'
PLE104-PLE105	N55° 41' 12"W	312.11'
PLE105-PLE106	N59° 10' 48"W	292 50'
PLE106-PLE107	N63° 18' 44"W	40.86'
PLE107-PLE108	N55° 31' 50"W	29.93'
PLE108-PLE109	N34° 54' 46"E	2.51'
PLE109-110	N55° 05' 14"W	96.42'
110-PLE111	N54° 55' 00"W	2.59'
PLE111-PLE112	S89° 15' 41"W	69.56'
PLE112-PLE113	N00° 16' 26"W	24.12'
PLE113-PLE114	N20° 26' 05"W	22.32'
PLE114-PLE115	N55° 34' 14"W	39.34'
PLE115-PLE116	N40° 33' 55"W	33.22'
PLE116-117	N35° 24' 55"E	60.62'
117-101	S55° 31' 50"E	596.76'
CENTER SEC. 7-101	N00°21'47"W	274.44'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
PLE103-118	N55° 46' 18"W	317.15'
118-PLE105	S00° 21' 47"E	8 82'
PLE105-PLE106	N59° 10' 48"W	292.50'
PLE106-119	N59° 10' 48"W	49.98'
119-PLE109	N55° 05' 14"W	20.52'
PLE111-120	N54° 55' 00"W	105.33'
120-PLE116	N55° 33' 31"W	54.95'

emcs

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 RACINE COUNTY 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

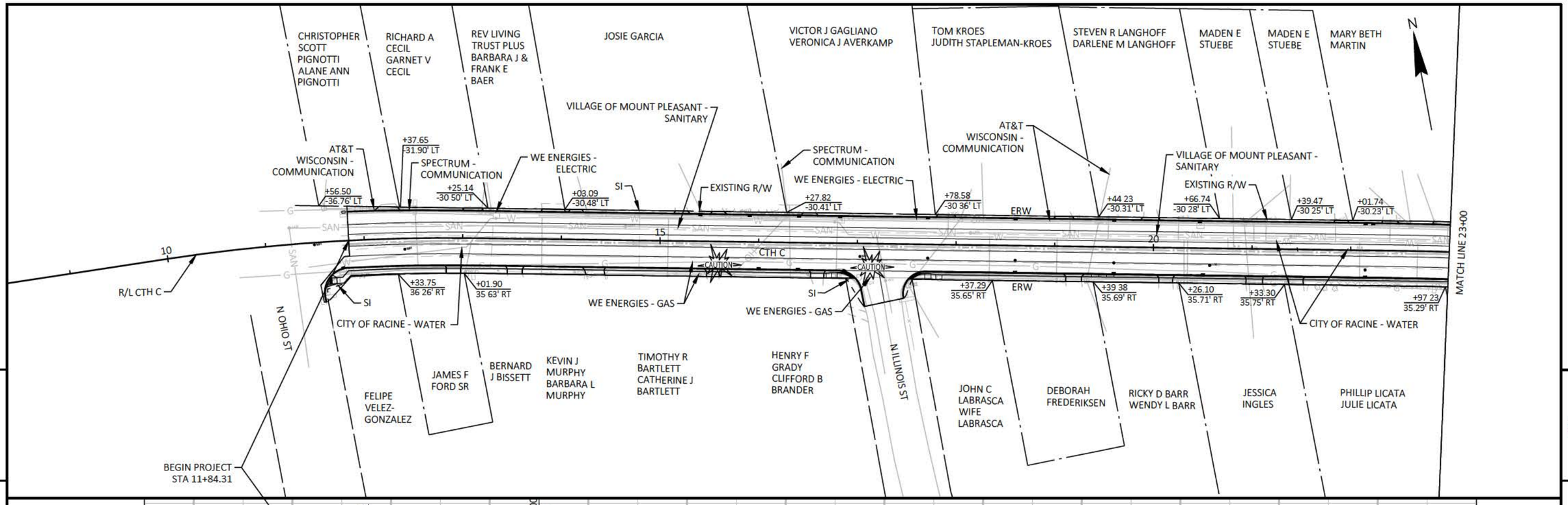
SIGNATURE: Kevin C. Boyer DATE: 1/29/2026
PRINT NAME: KEVIN C BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE COUNTY OF RACINE

SIGNATURE: _____ DATE:1/29/2026
PRINT NAME: Roley Behm

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\TPP\040101-RP DWG
APPRAISAL PLAT DATE : 12/04/2025
PLOT DATE : 12/4/2025 12:13 PM PLOT BY : MICHAELA GALGANSKI PLOT NAME : PLOT SCALE :

2390-09-03 - 4 01

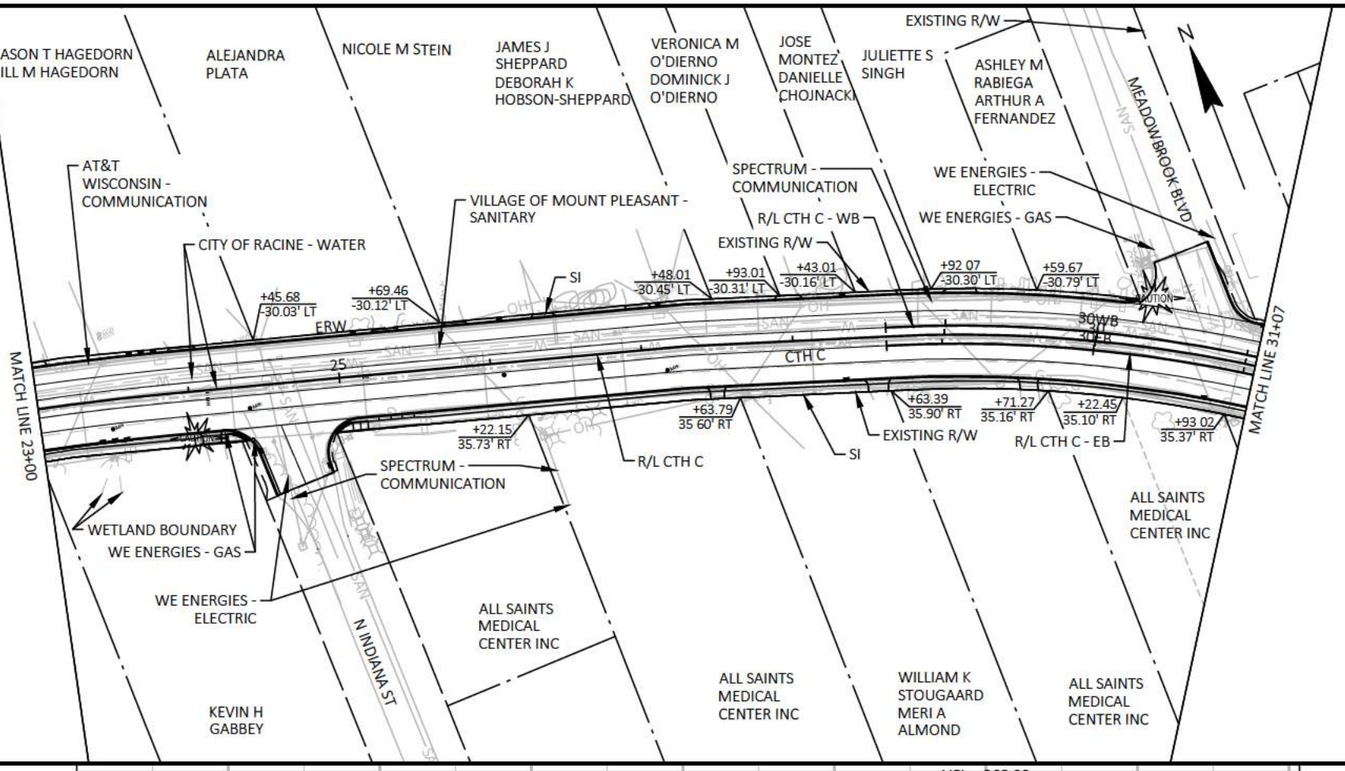


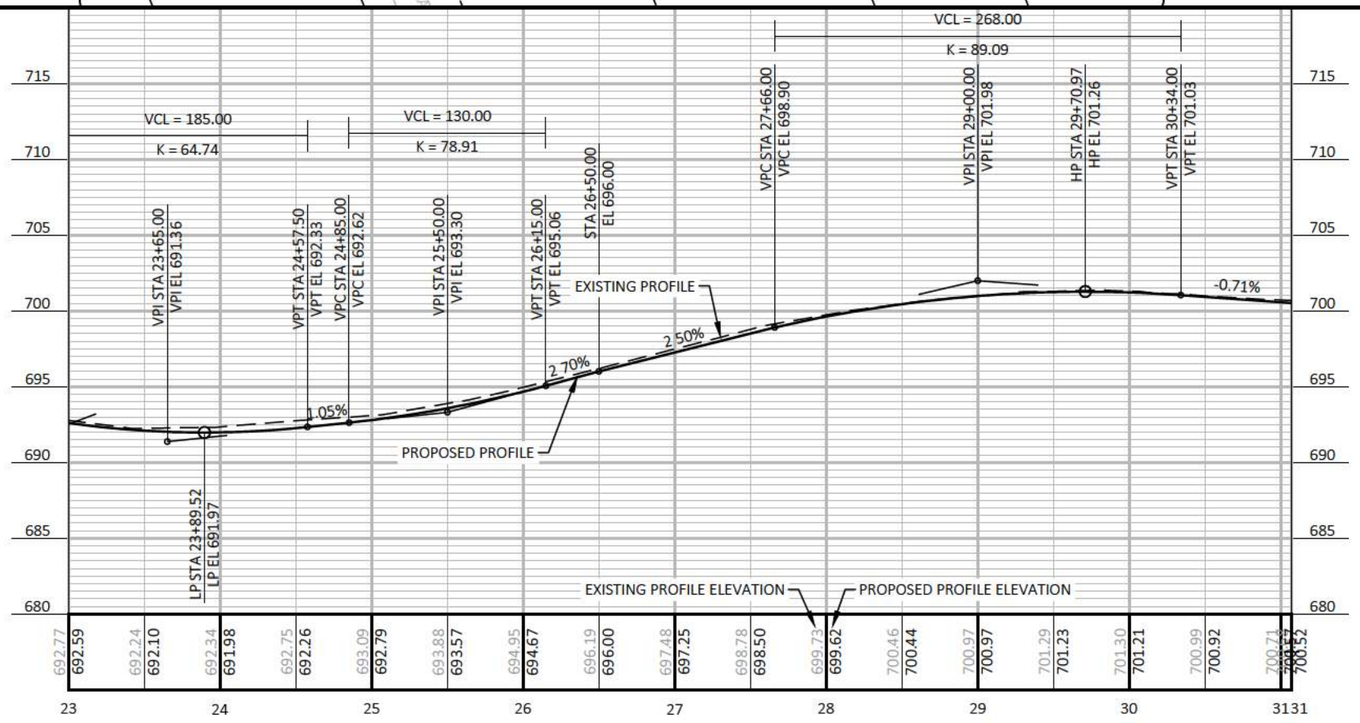
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN AND PROFILE: CTH C	SHEET 184	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\050101-PP DWG
LAYOUT NAME - 01

PLOT DATE : 2/24/2026 4:23 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



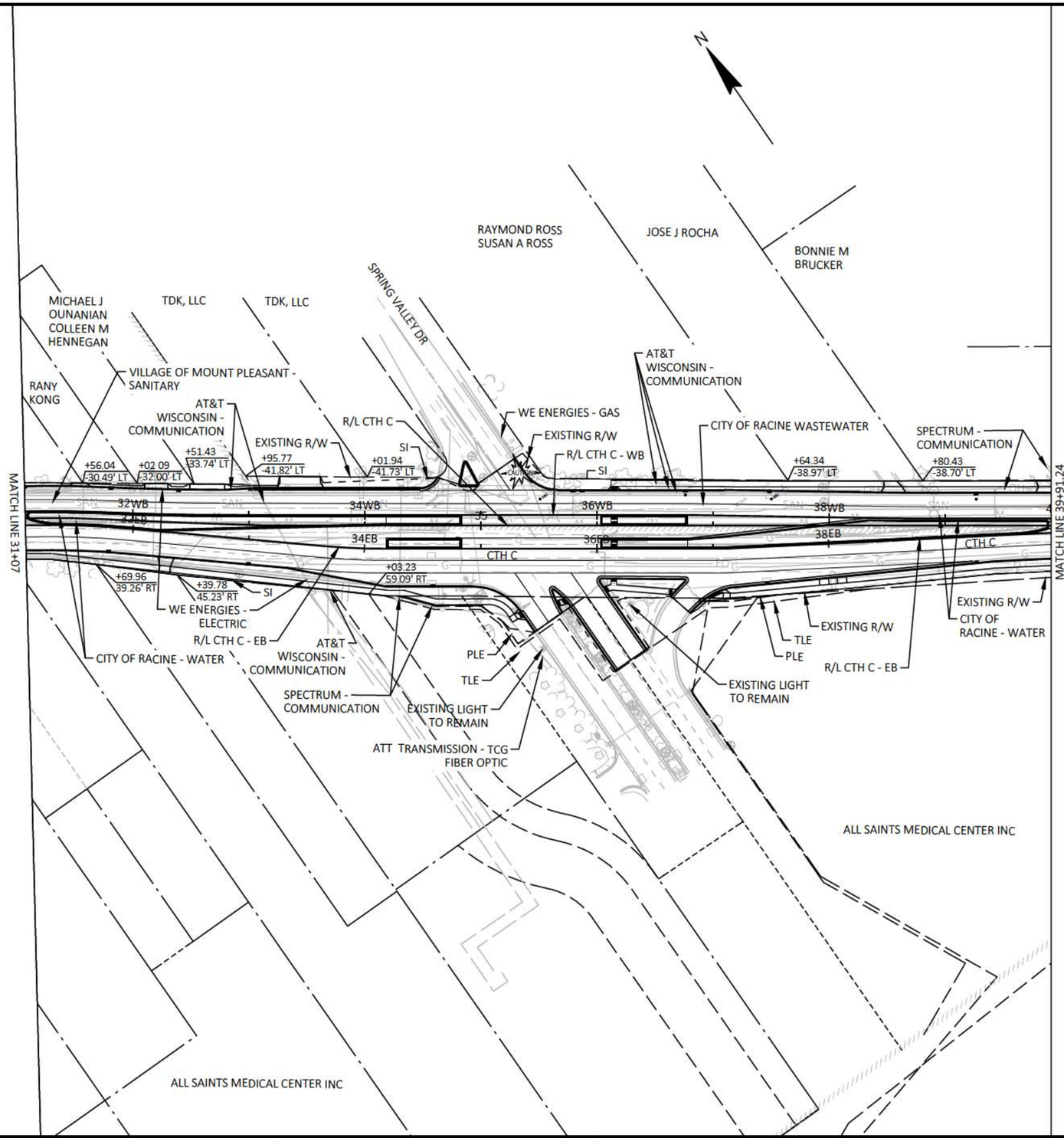


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN AND PROFILE: CTH C	SHEET 185 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\050101-PP DWG
LAYOUT NAME - 02

PLOT DATE : 2/24/2026 4:23 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



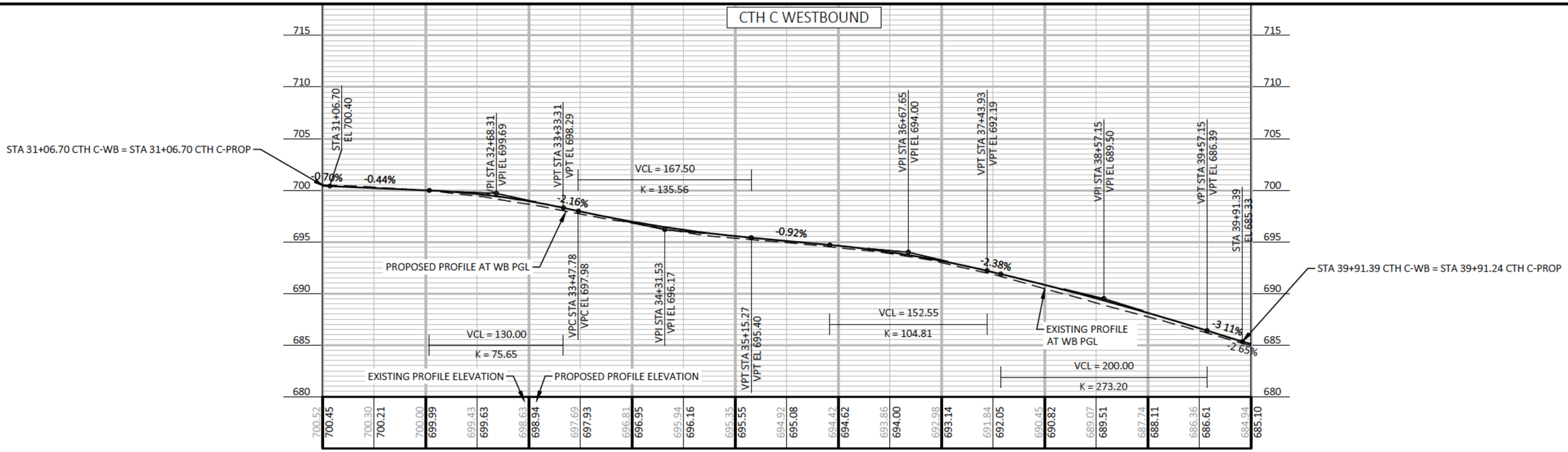
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN AND PROFILE: CTH C	SHEET	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\050101-PP DWG
LAYOUT NAME - 03

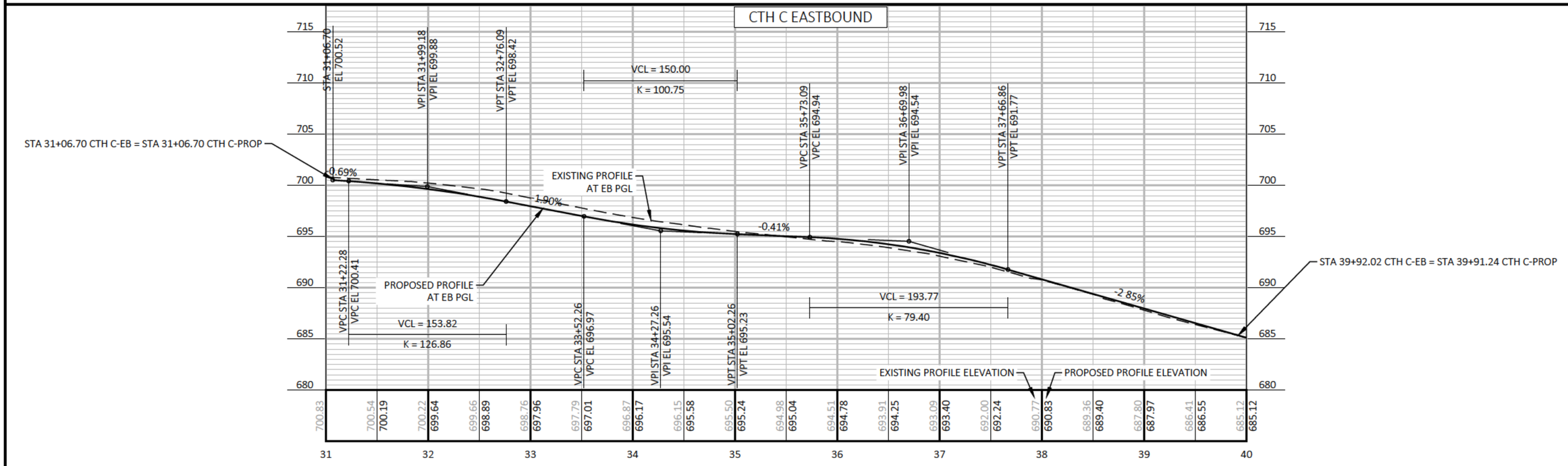
PLOT DATE : 2/24/2026 4:23 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

CTH C WESTBOUND



CTH C EASTBOUND

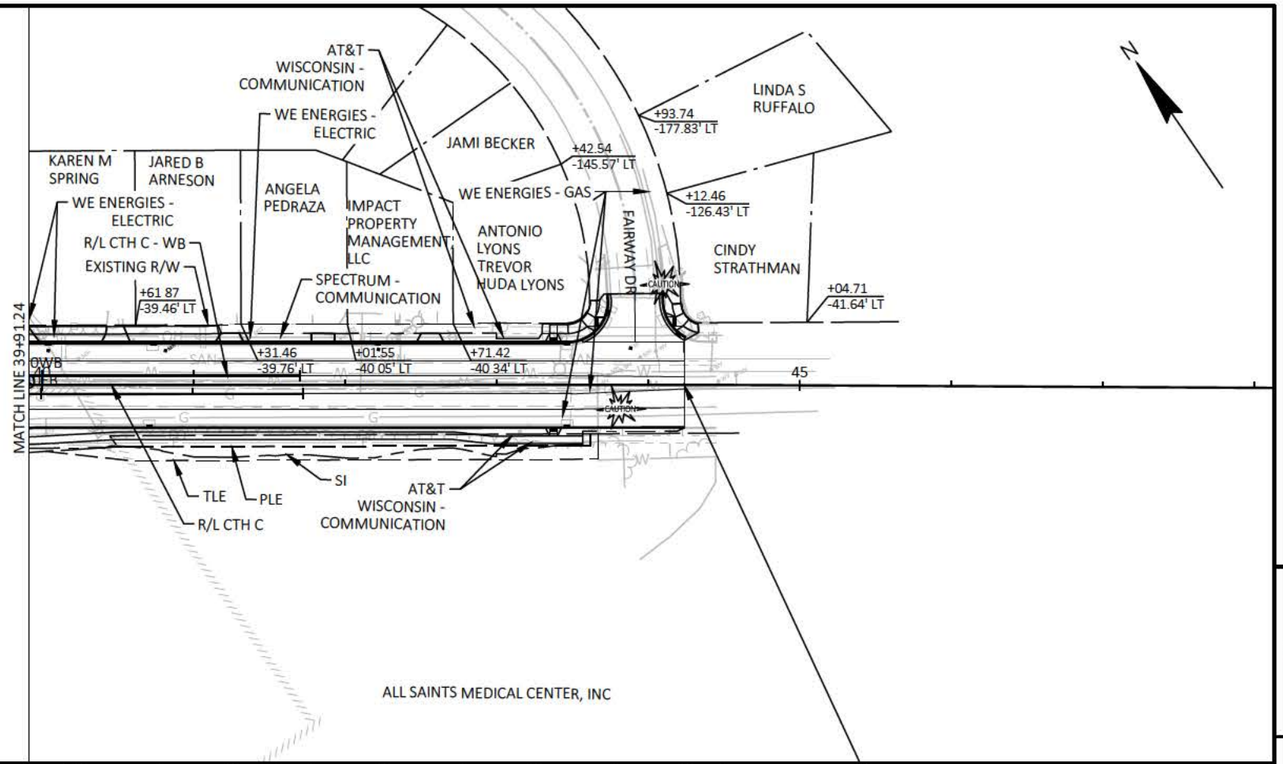


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN AND PROFILE: CTH C - EASTBOUND & WESTBOUND	SHEET 187	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\050101-PP DWG
LAYOUT NAME - 04

PLOT DATE : 2/24/2026 4:23 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	PLAN AND PROFILE: CTH C	SHEET 188 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\050101-PP DWG LAYOUT NAME - 05

PLOT DATE : 2/24/2026 4:23 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

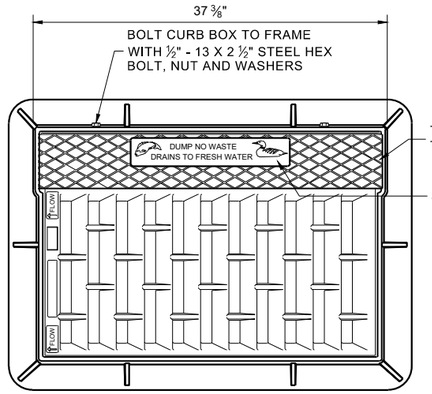
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22C	CURB RAMPS TYPES 4A AND 4A1
08D05-22D	CURB RAMPS TYPES 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
08D20-02	DRIVEWAYS WITH CURB & GUTTER RETURNS
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
09C15-02	CONCRETE BASE TYPE 10 SPECIAL
09C16-01	CONCRETE BASE TYPE 10 SPECIAL EXTENSION
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E08-09D	TYPE 9 SPECIAL POLE 45' MONOTUBE ARM
09F01-04	DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT
09F09-05	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
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
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
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE 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
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-09C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-15A	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D23-07A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D23-07B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D27-04	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

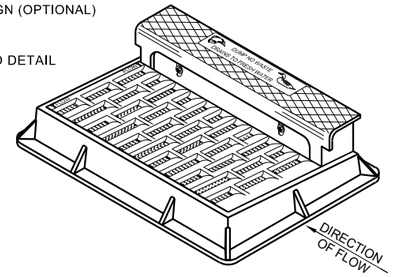
Standard Detail Drawing List

15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

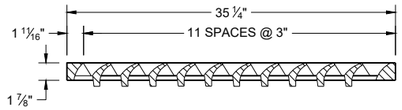
6

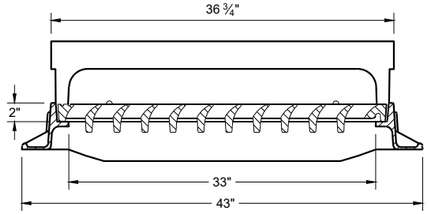


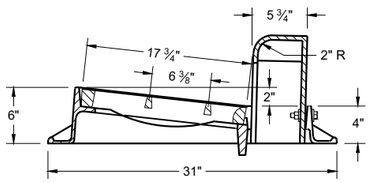
NOTE: EITHER CASTING IS ACCEPTABLE

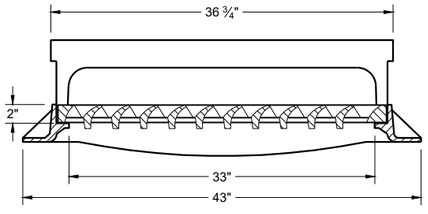


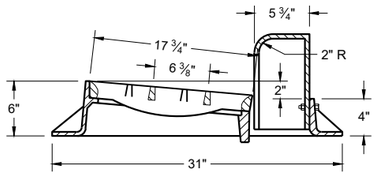
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







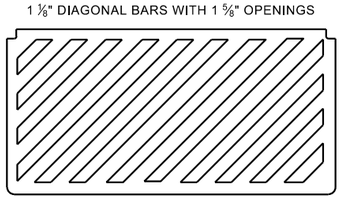




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

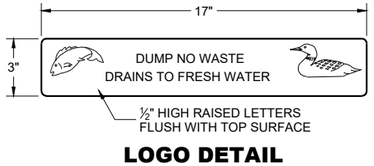
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



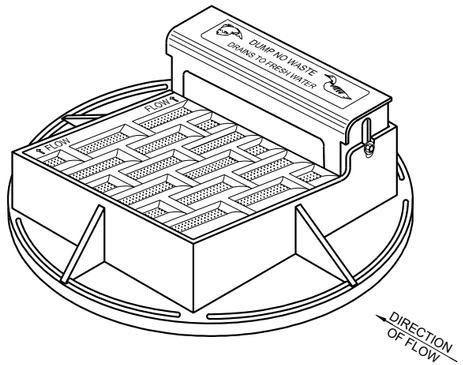
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

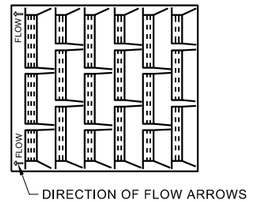


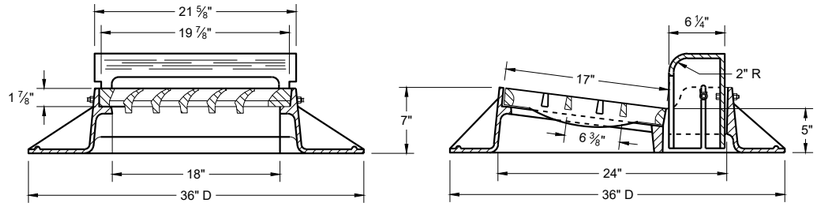
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "A"

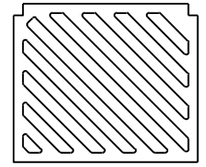
GENERAL NOTES

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.

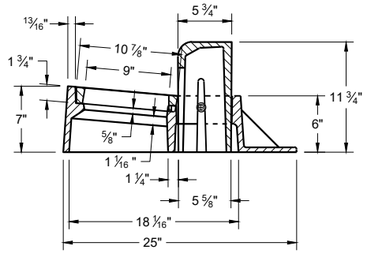
1" DIAGONAL BARS
WITH 1 ½" OPENINGS

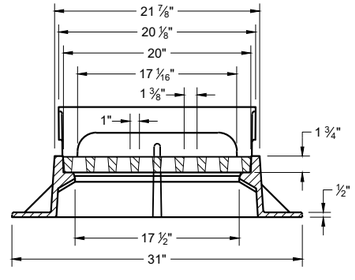


SPECIAL GRATE FOR TYPE "A" COVER

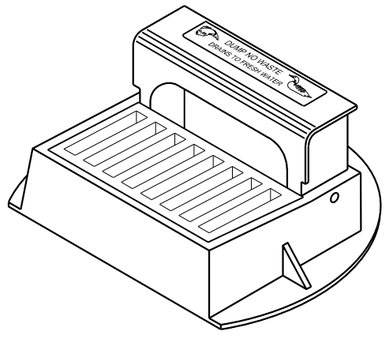
(MEASURES 19 ¾" X 17" X 1 ⅞")

(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

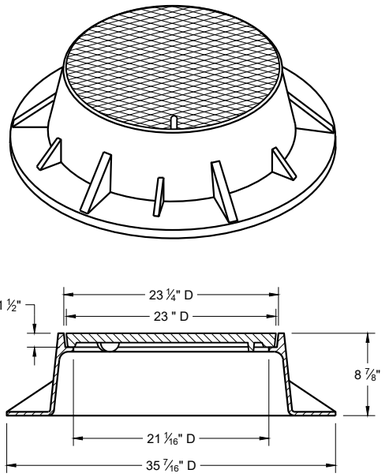
FHWA

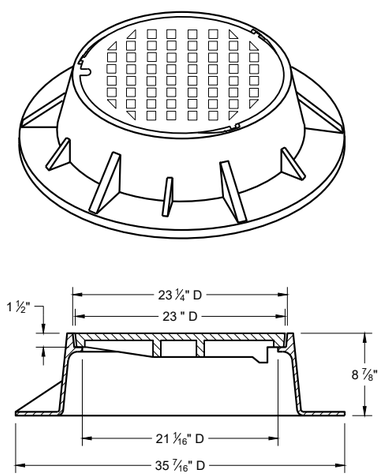
GENERAL NOTES

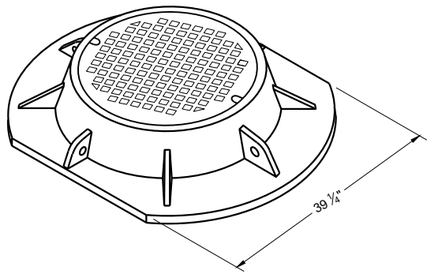
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

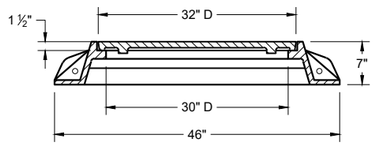
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

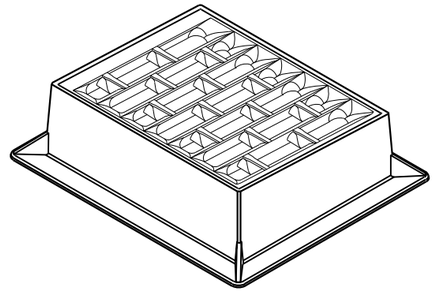


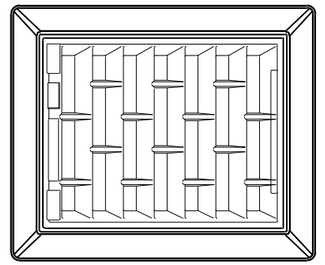


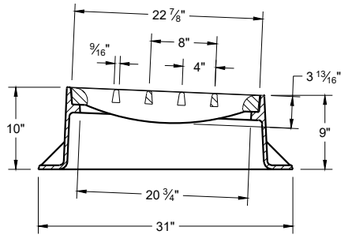


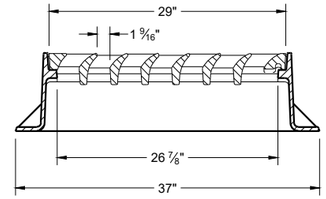


TYPE "K"

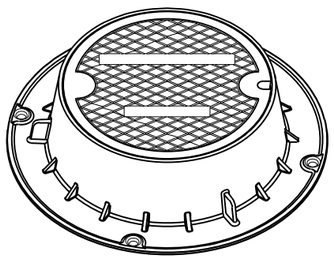


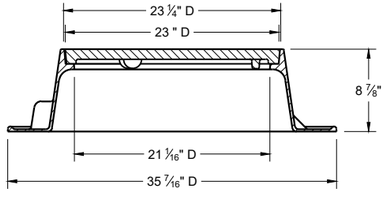






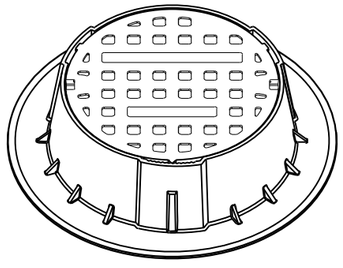
INLET COVER TYPE "BW"

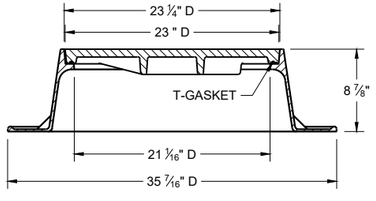




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

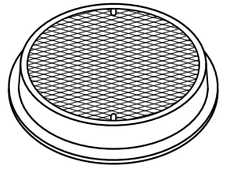


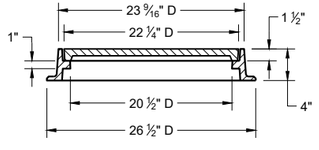


TYPE "J" SPECIAL

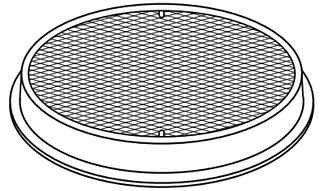
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

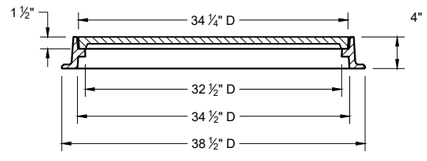
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

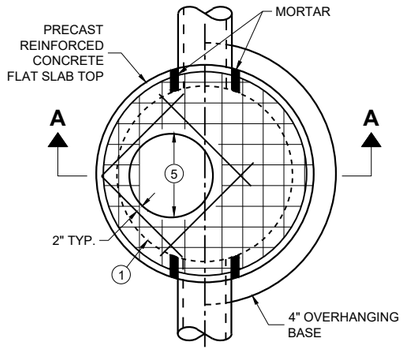
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

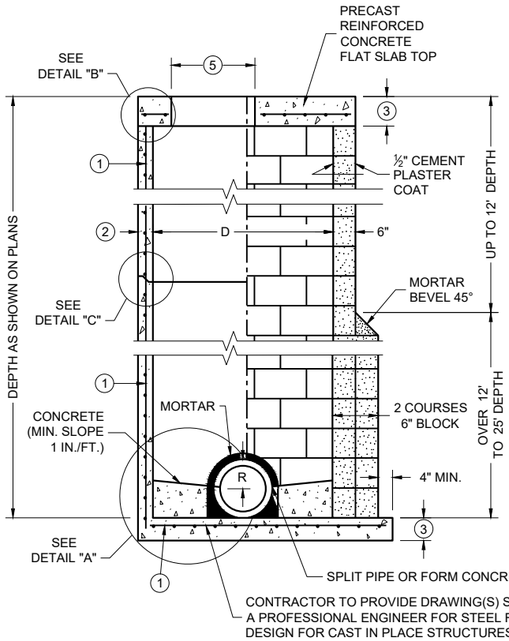
6

SDD 08A05-22e



PLAN VIEW

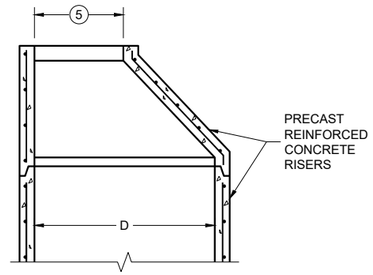
CIRCULAR OPENING



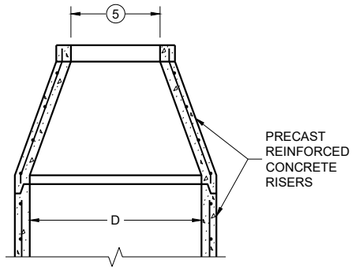
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

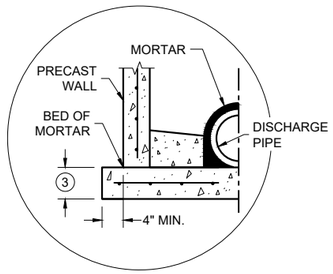
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



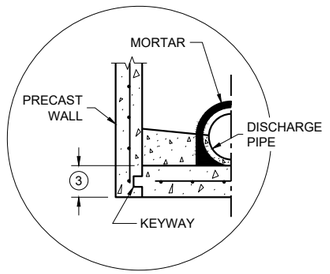
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

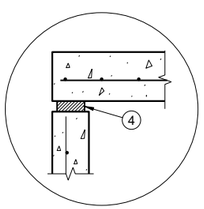


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

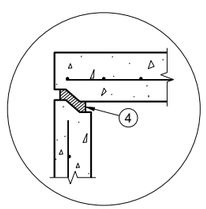


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

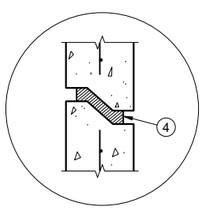
DETAIL "A"



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".

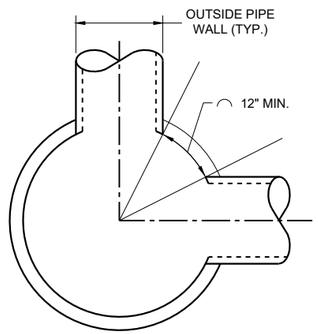
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(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
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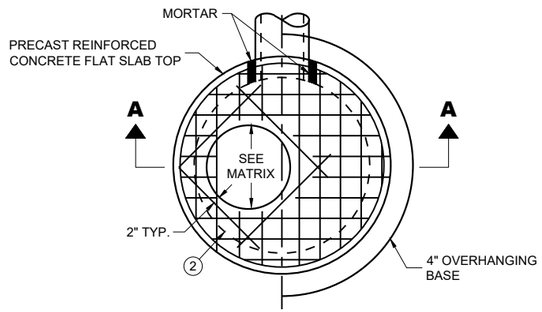
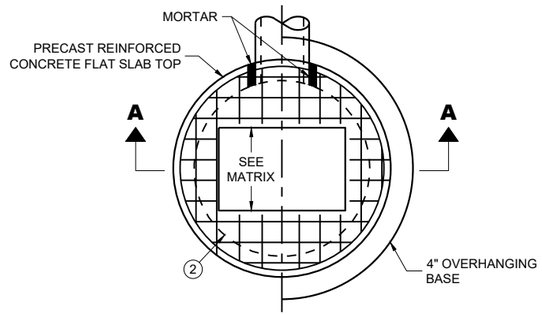
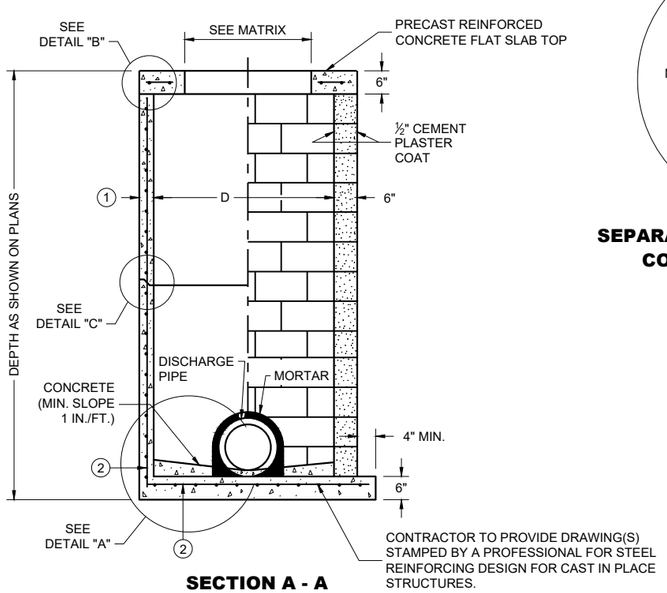
FHWA



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)

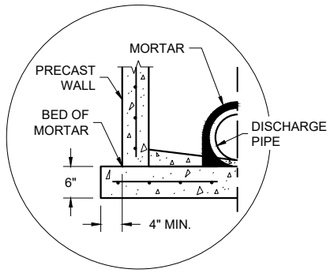
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

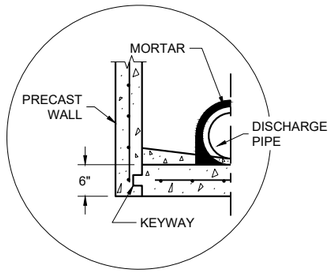
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

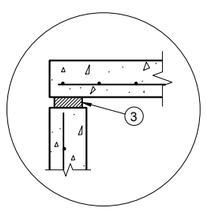


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

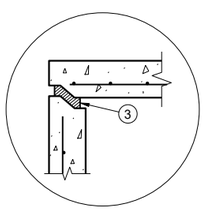


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

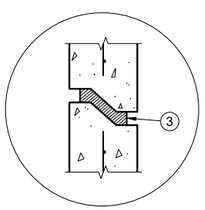
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

GENERAL NOTES

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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.

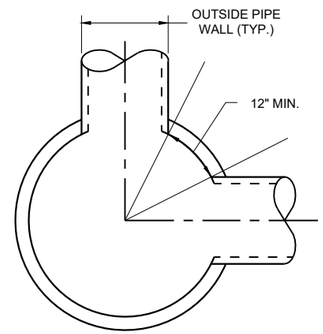
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

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INLETS 3-FT AND 4-FT DIAMETER

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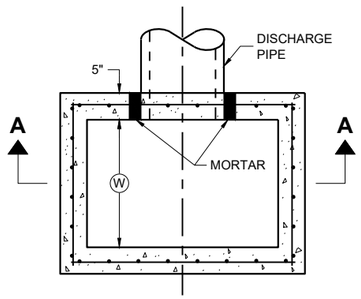
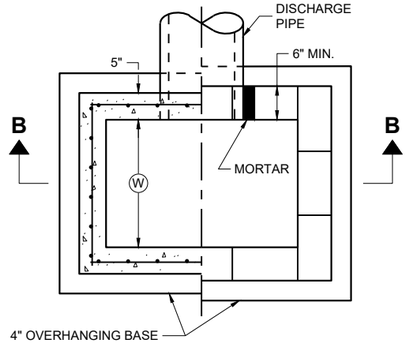
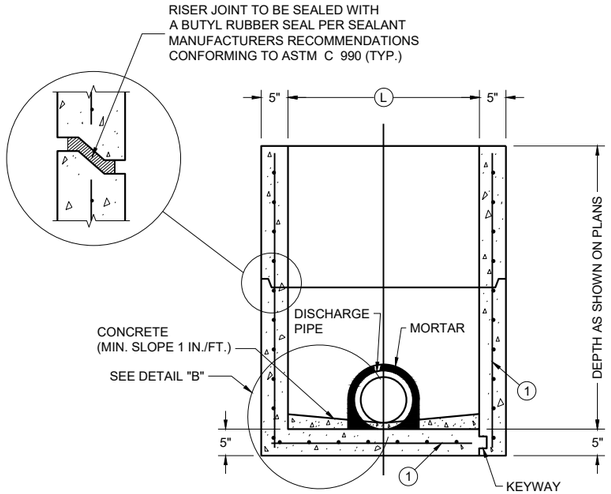


PLAN VIEW



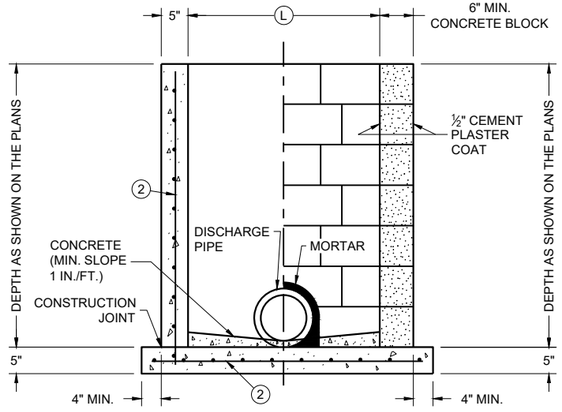
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

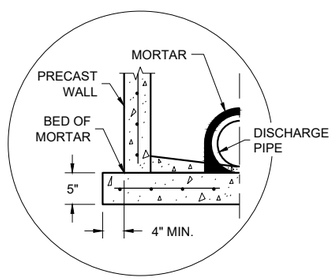
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

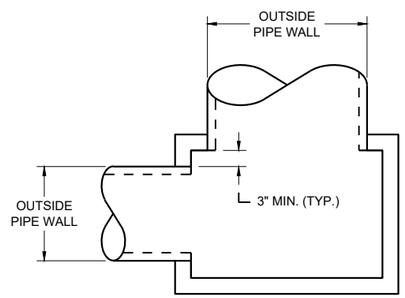
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

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.

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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

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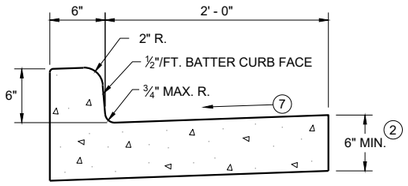
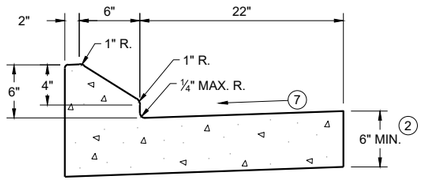
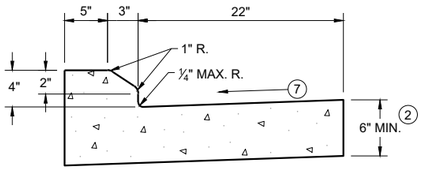
SDD 08C07-03



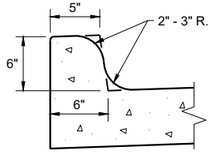
TYPES A (1) & D



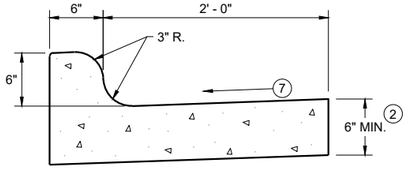
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

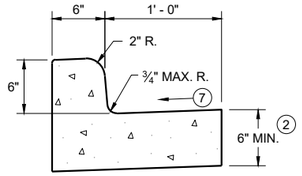


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



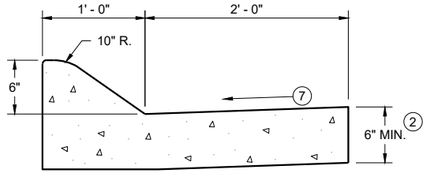
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

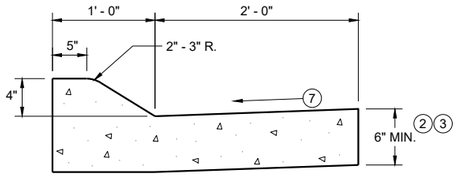


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

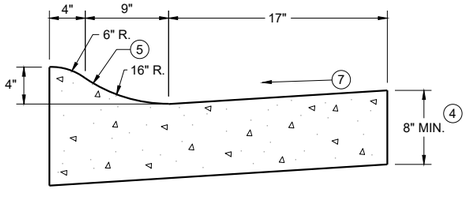


6" SLOPED CURB TYPES A (1) & D



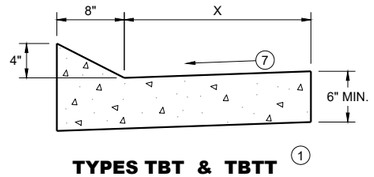
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

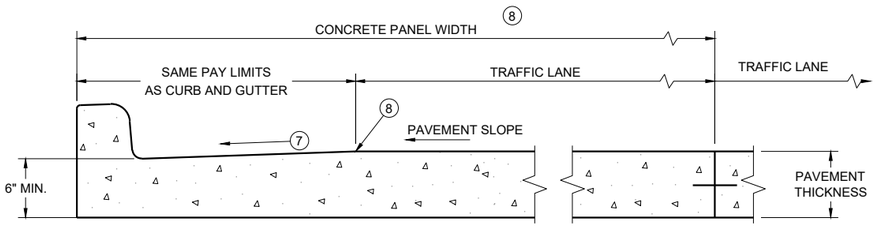


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

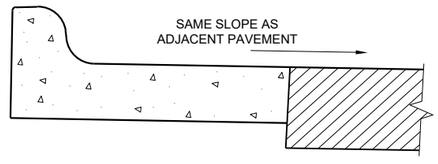
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

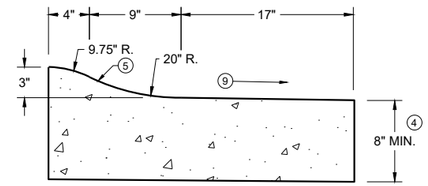
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

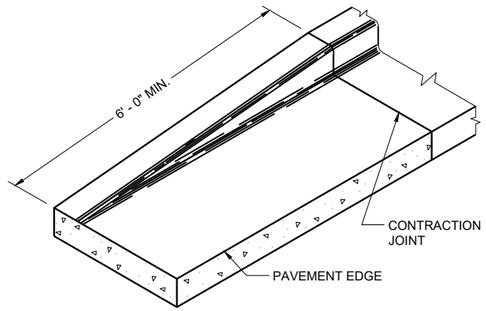
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



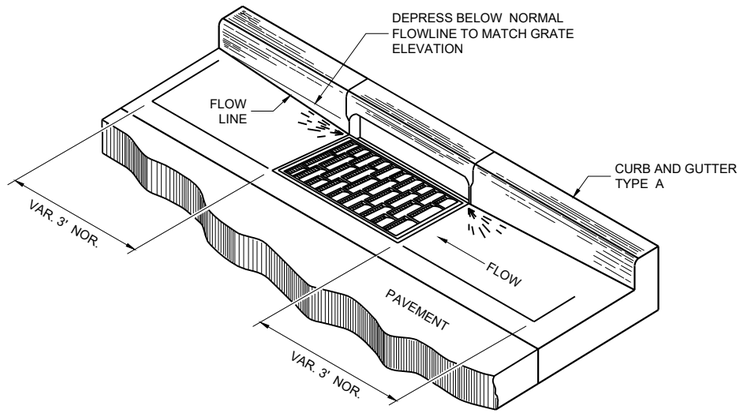
3" SLOPED CURB TYPES R (1) & T

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.

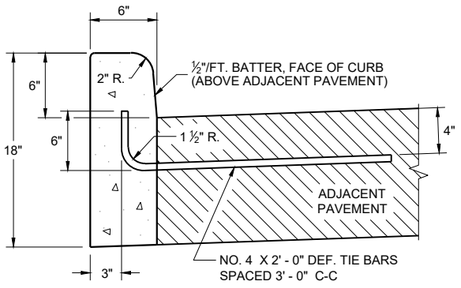
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

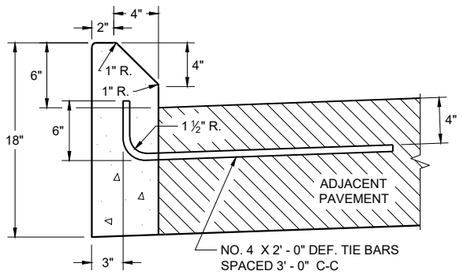
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

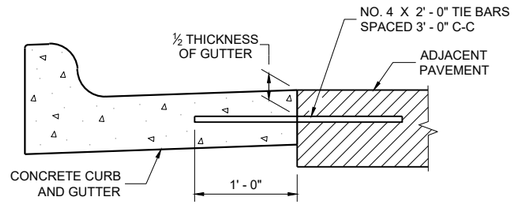


TYPES A (1) & D

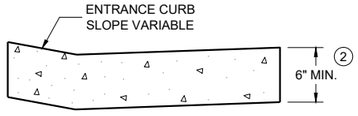


TYPES G (1) & J

CONCRETE CURB

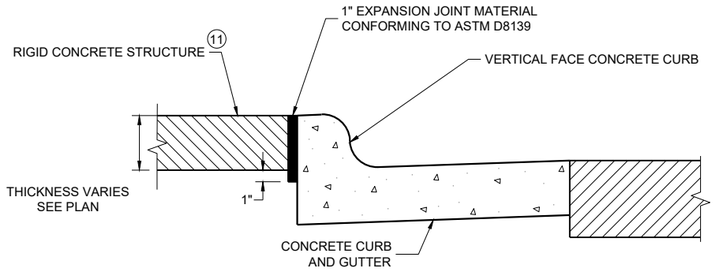


TYPICAL TIE BAR LOCATION (1)

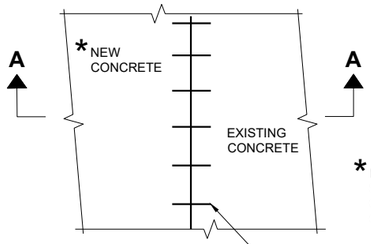


DRIVEWAY ENTRANCE CURB (10)

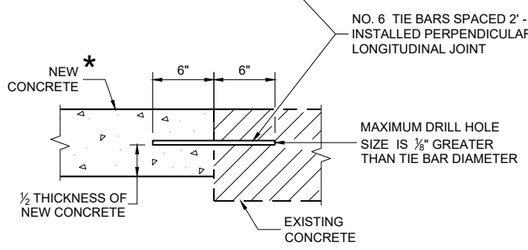
(WHEN DIRECTED BY THE ENGINEER)



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



PLAN VIEW



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

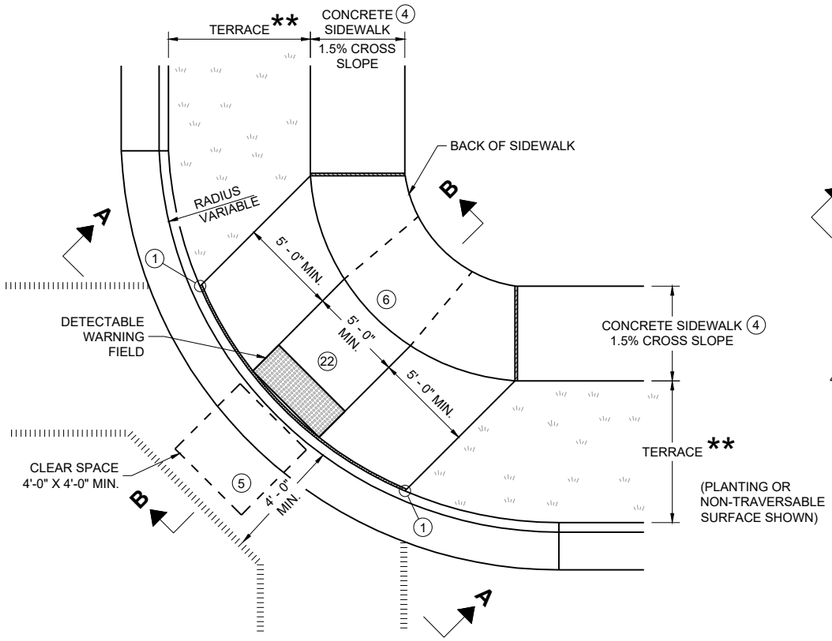
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

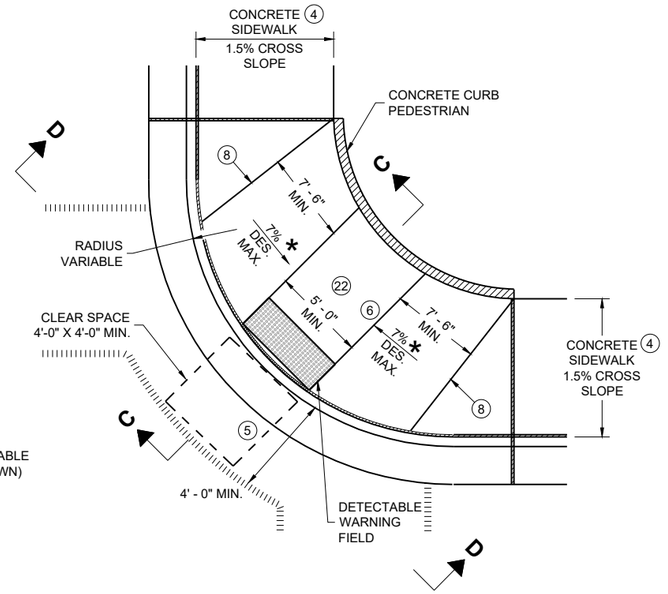
6
SDD 08D01-24b



PLAN VIEW

CURB RAMP TYPE 1

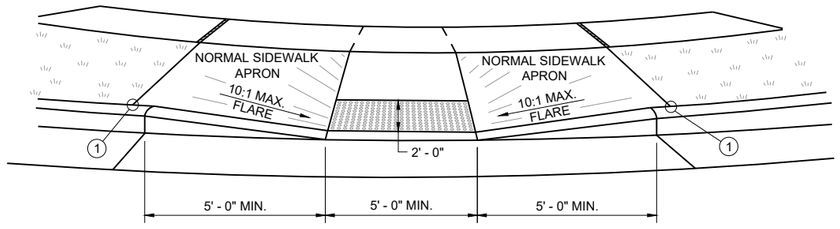
(CENTER OF CORNER RADIUS)



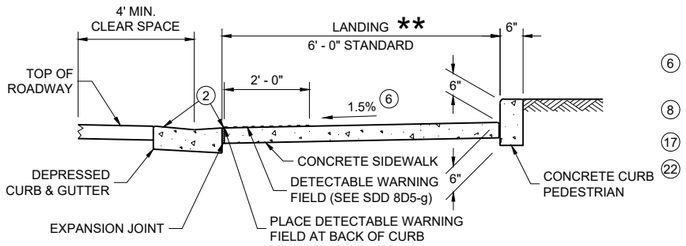
PLAN VIEW

CURB RAMP TYPE 1 - A

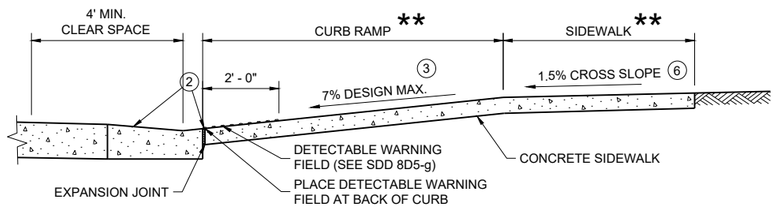
(NO TERRACE)



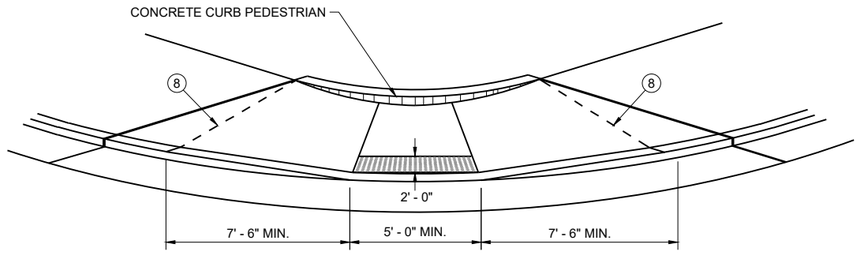
VIEW A - A FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - 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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE CURB RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF CURB RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE CURB RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(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.

(5) PROVIDE A CLEAR SPACE IN THE STREET AND GUTTER AREA. WHEN THE GUTTER CROSS SLOPE EXCEEDS 2.1%, CONSTRUCT THE CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).

(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.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(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.

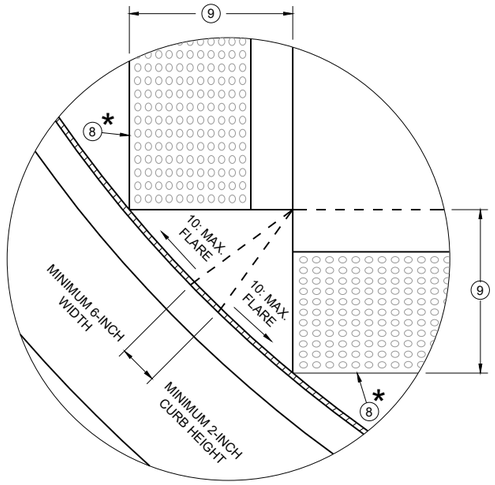
LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT FIELD LOCATED
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 8.3%
**	WIDTH SHOWN ELSEWHERE IN THE PLANS

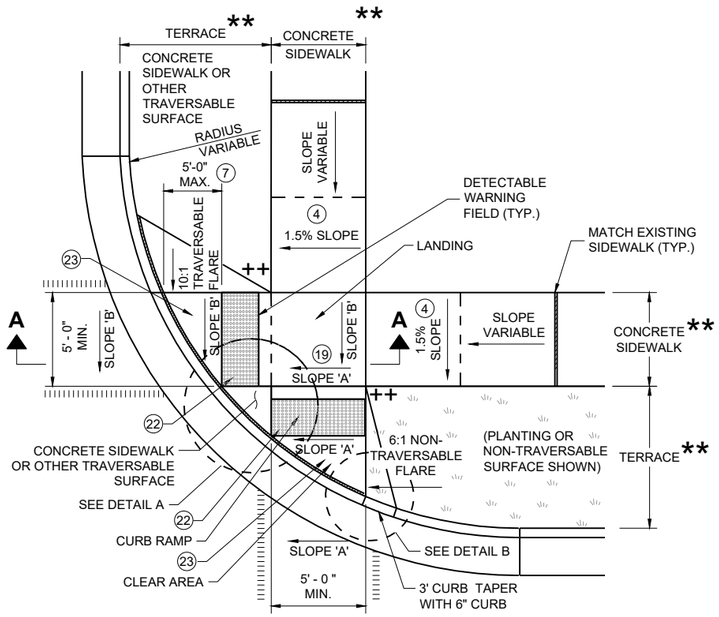
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-22a



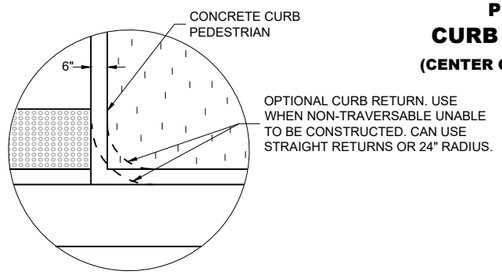
DETAIL A



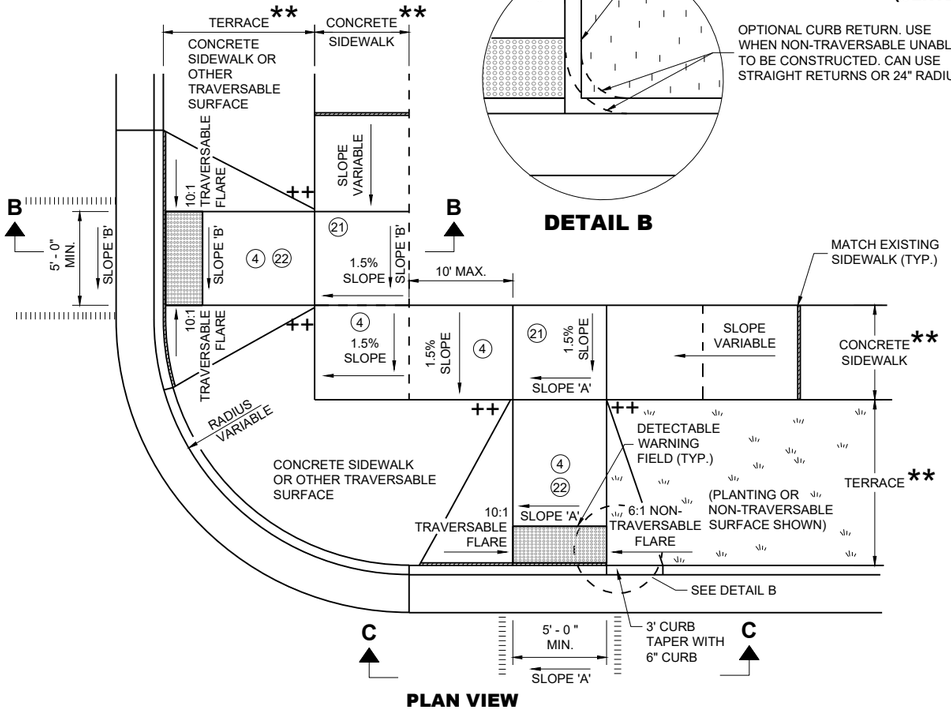
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



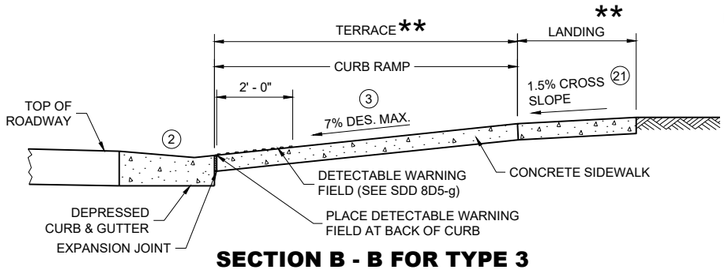
DETAIL B



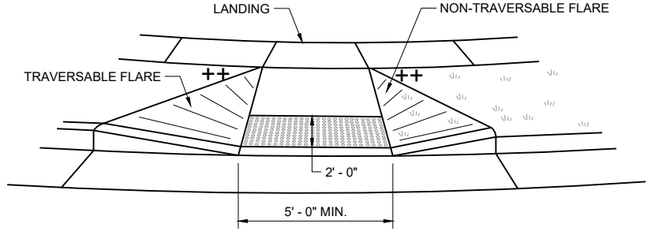
PLAN VIEW

CURB RAMP TYPE 3

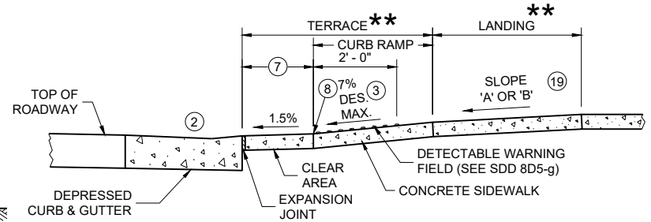
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

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.

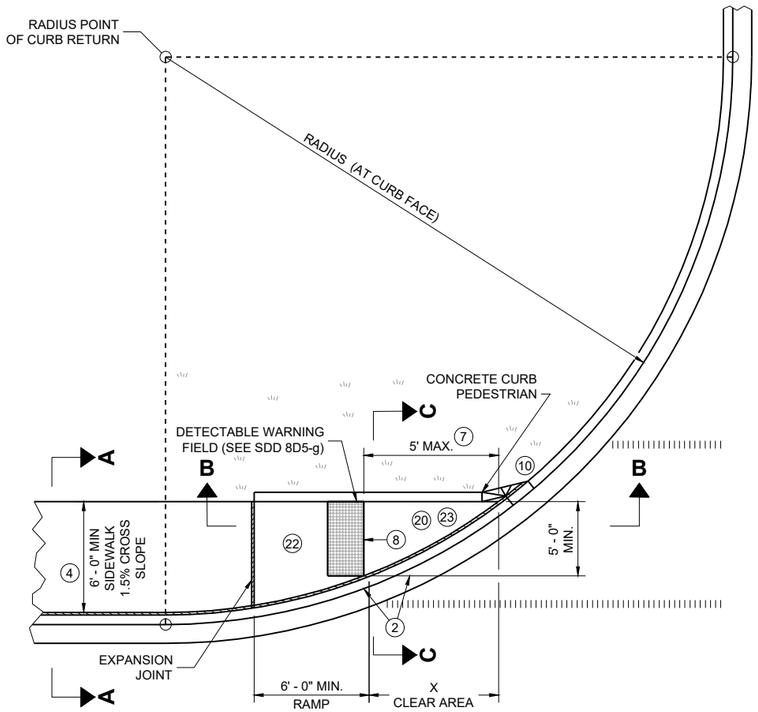
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- – – – CONTRACTION JOINT SIDEWALK
- 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

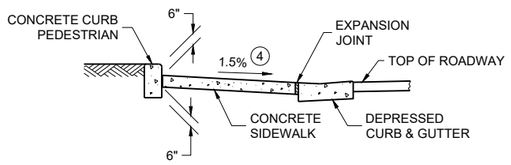
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-22b

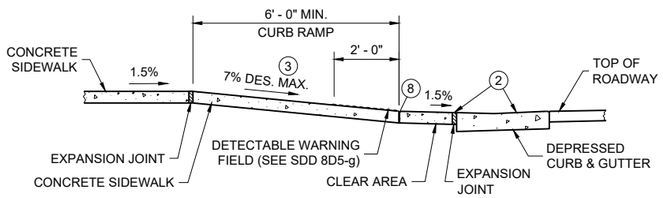


PLAN VIEW

CURB RAMP TYPE 4A



SECTION C - C FOR TYPE 4A



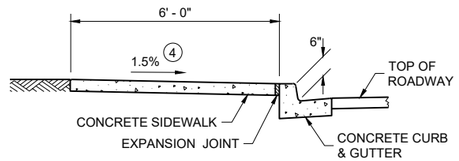
SECTION B - B FOR TYPE 4A AND TYPE 4A1

LEGEND

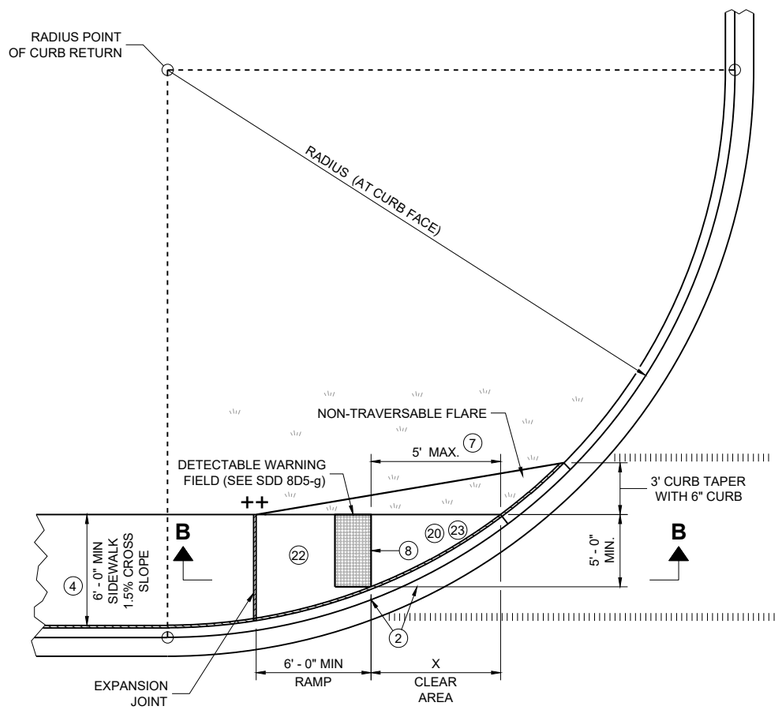
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



PLAN VIEW

CURB RAMP TYPE 4A1

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.

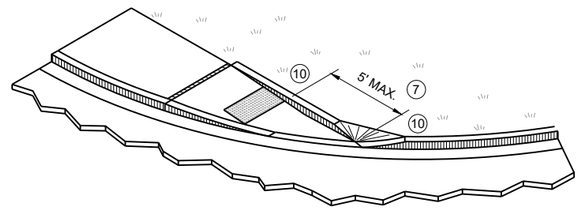
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

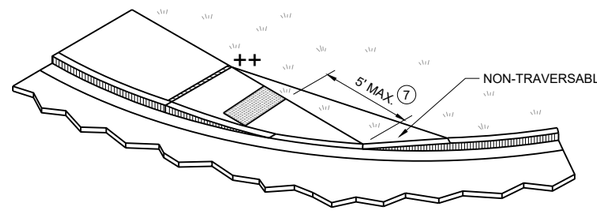
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(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.



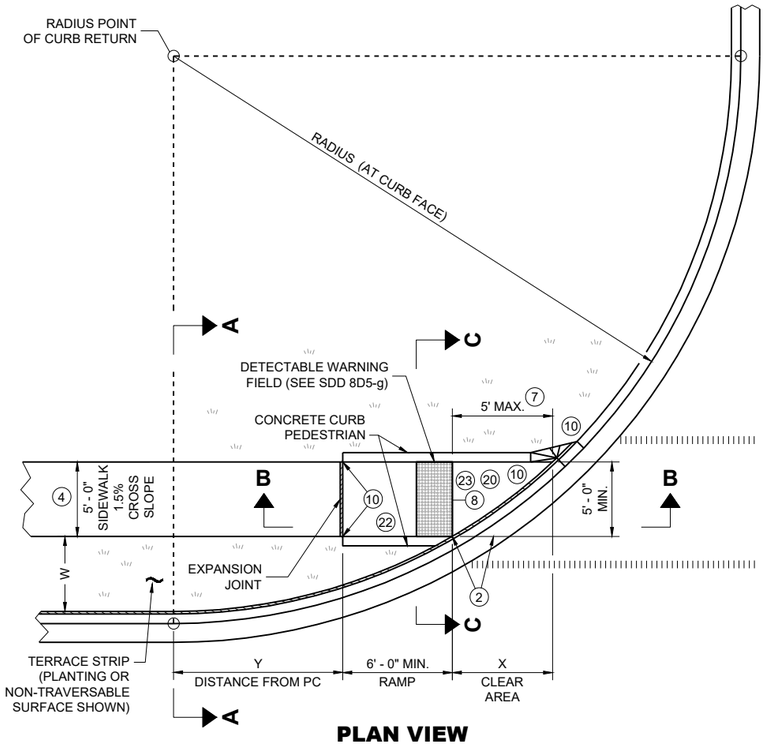
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

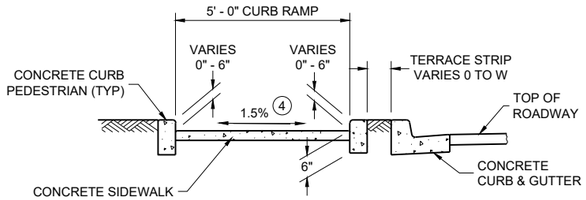
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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.

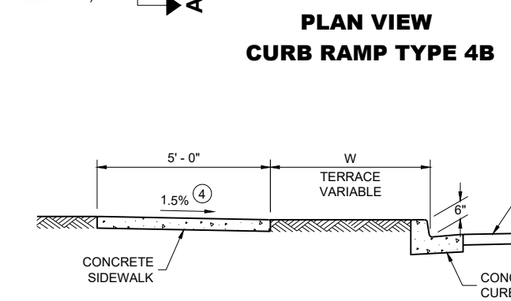
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

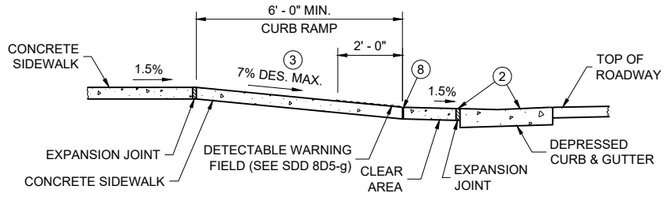
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(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.

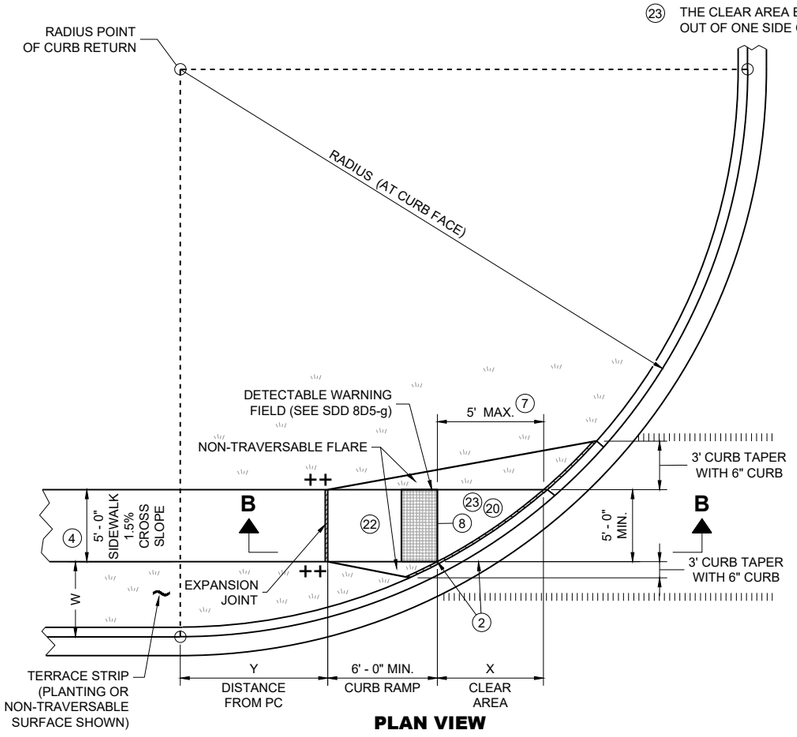
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



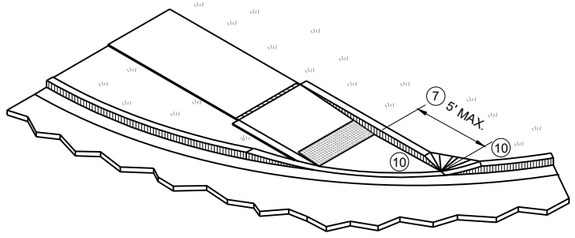
SECTION A - A FOR TYPE 4B



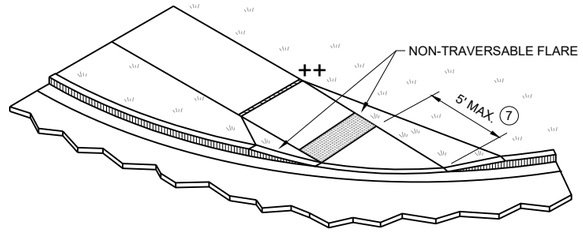
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



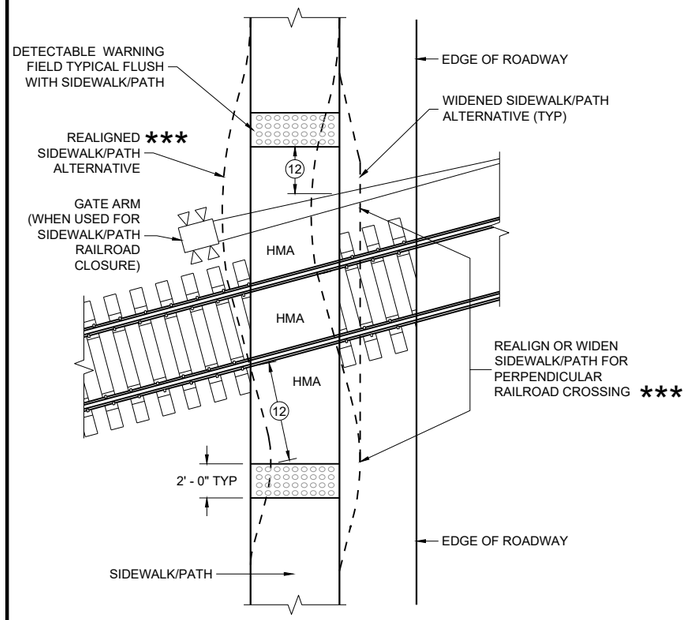
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

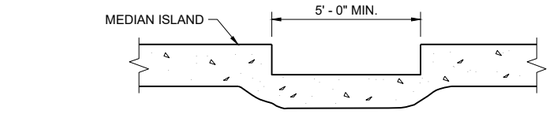
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

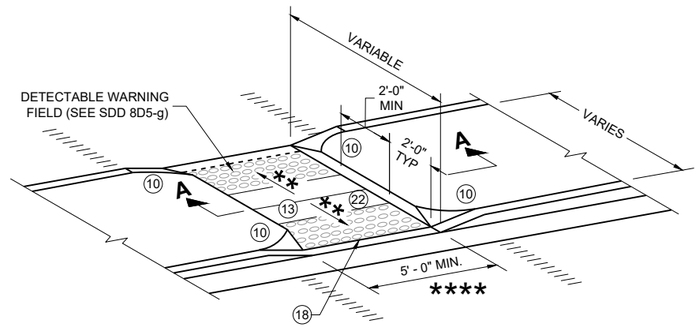


CURB RAMP TYPE 8

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.

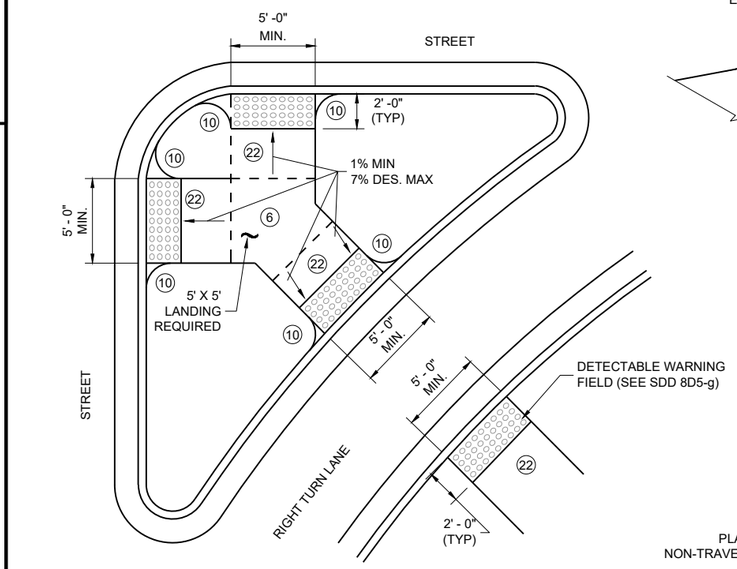
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(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

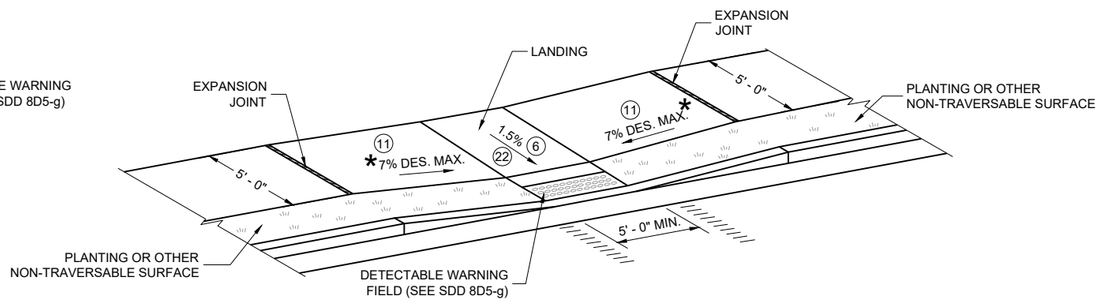
FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

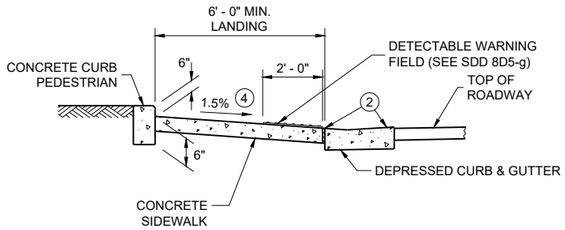


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- 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

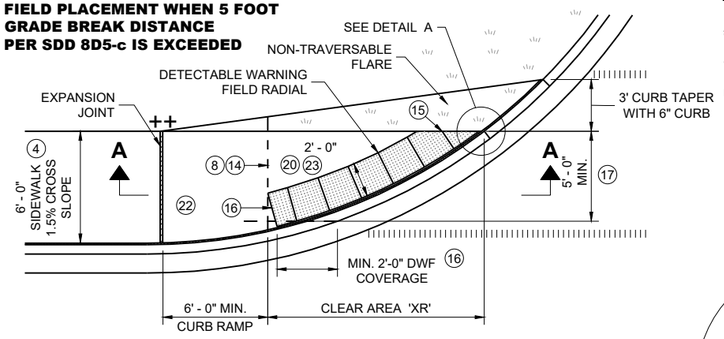


SECTION B - B FOR TYPE 7A

CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

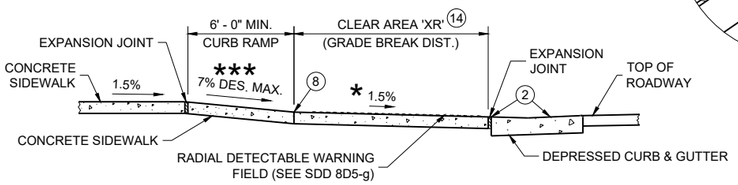
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

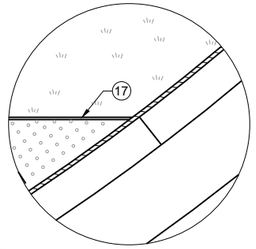
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- 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.

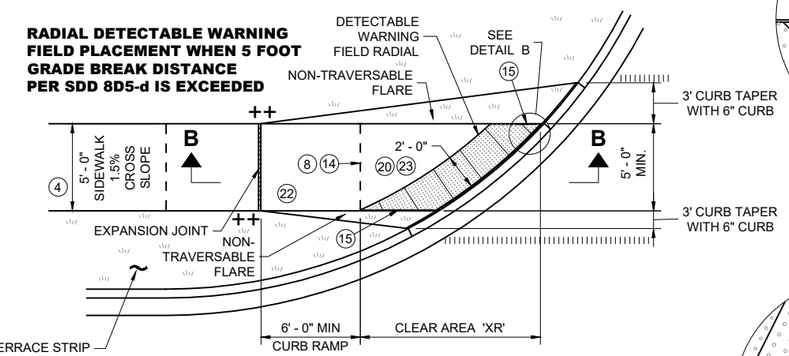
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(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.

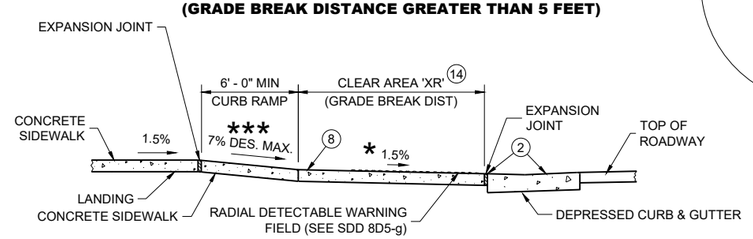
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

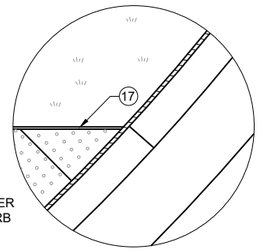


PLAN VIEW

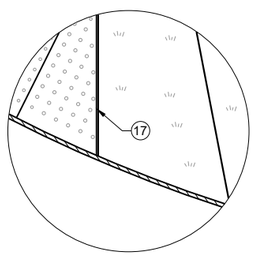
CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

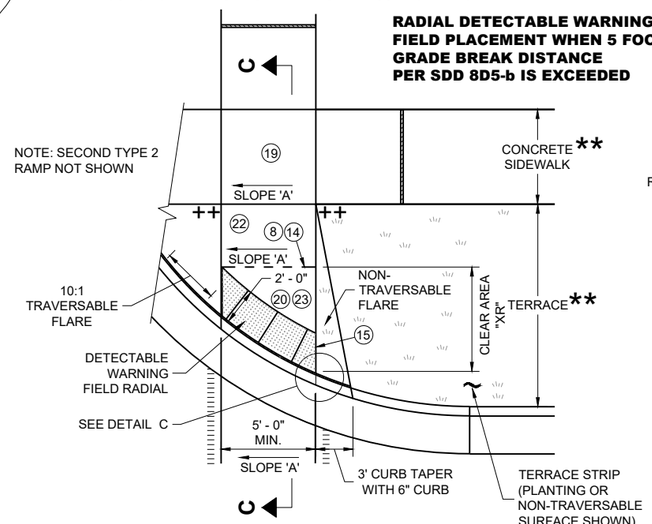


DETAIL B



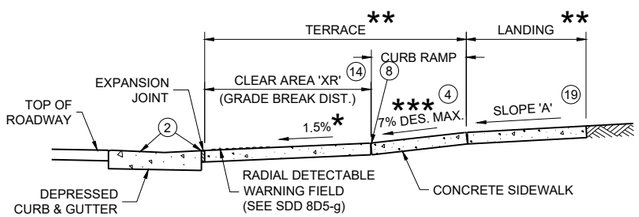
DETAIL C

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)



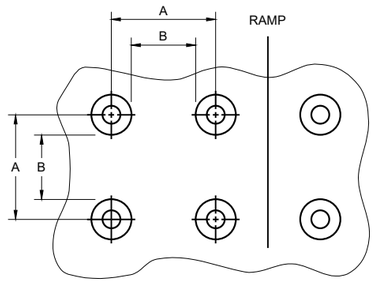
SECTION C - C FOR TYPE 2

CURB RAMPS
RADIAL DETECTABLE WARNING

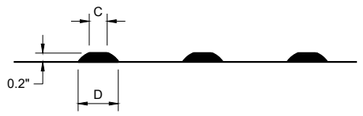
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

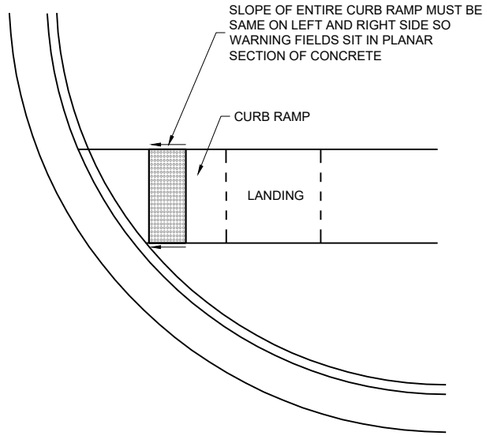
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

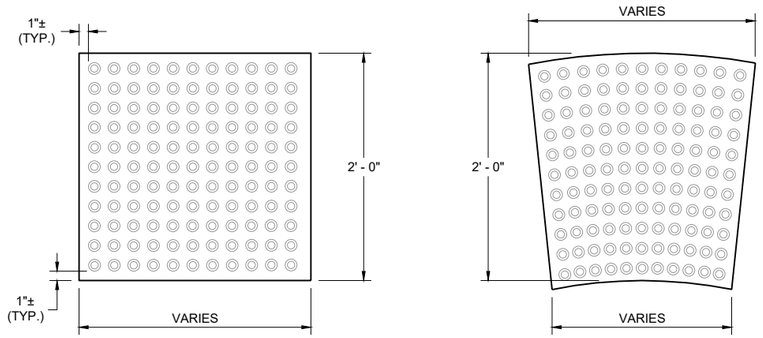
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. 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.

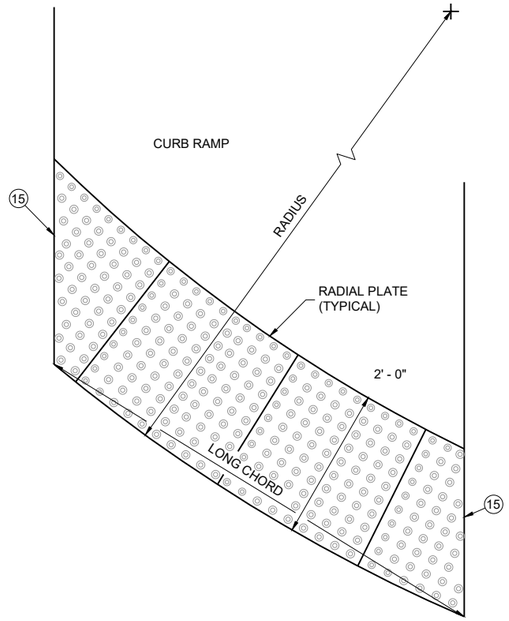
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



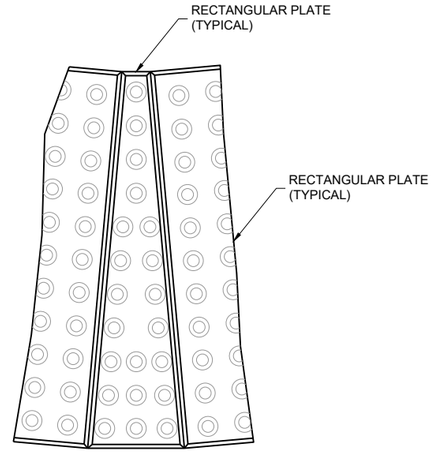
RECTANGULAR PLATES

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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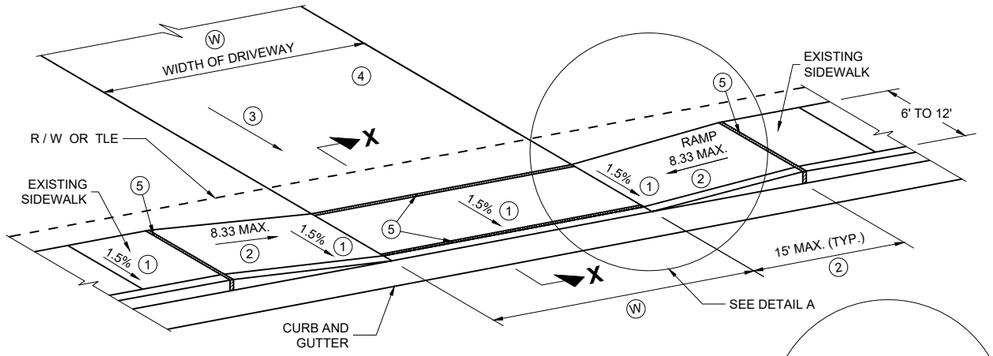
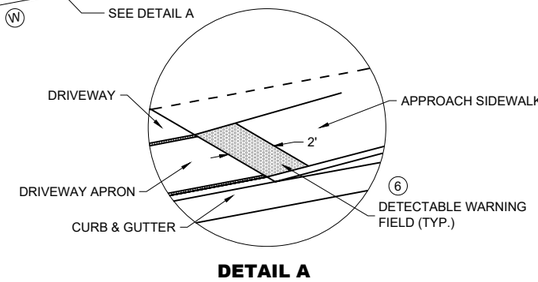
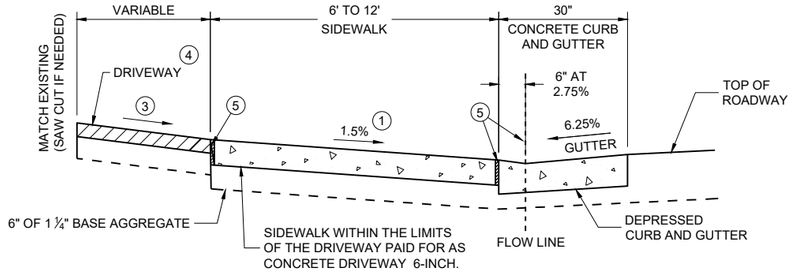
SDD 08D05-22g



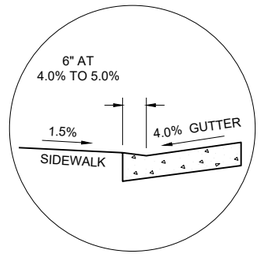
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X



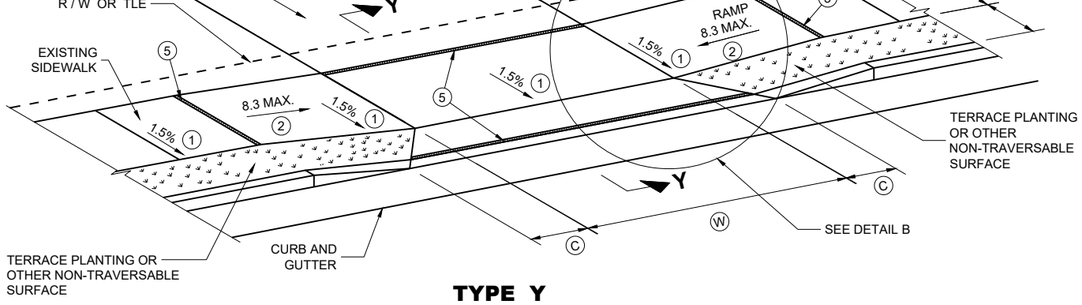
SECTION X - X
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

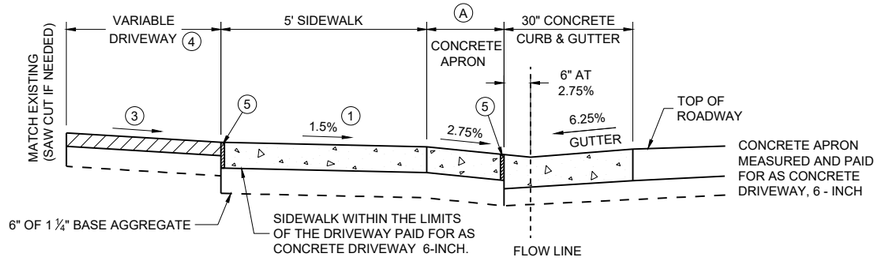
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

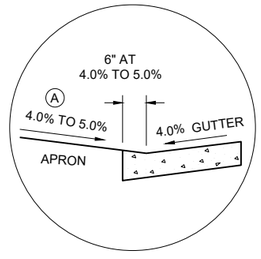


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y

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%.

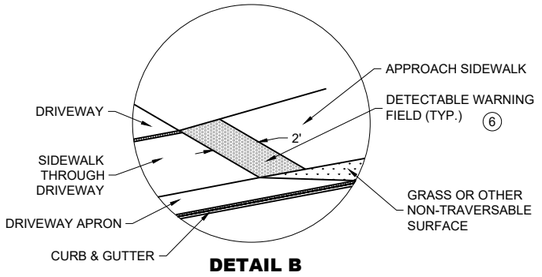
② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL 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

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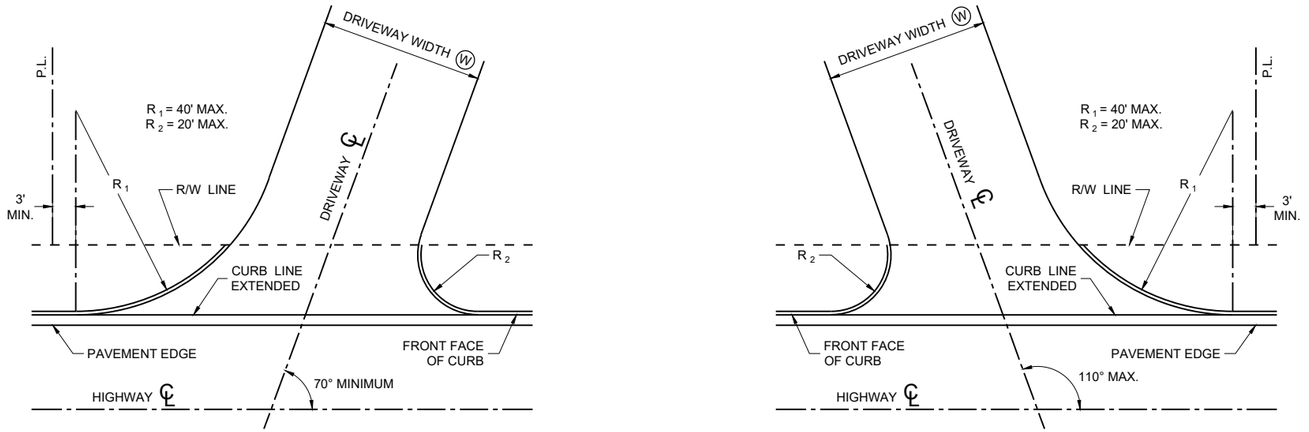
SDD 08D18-05



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN

GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

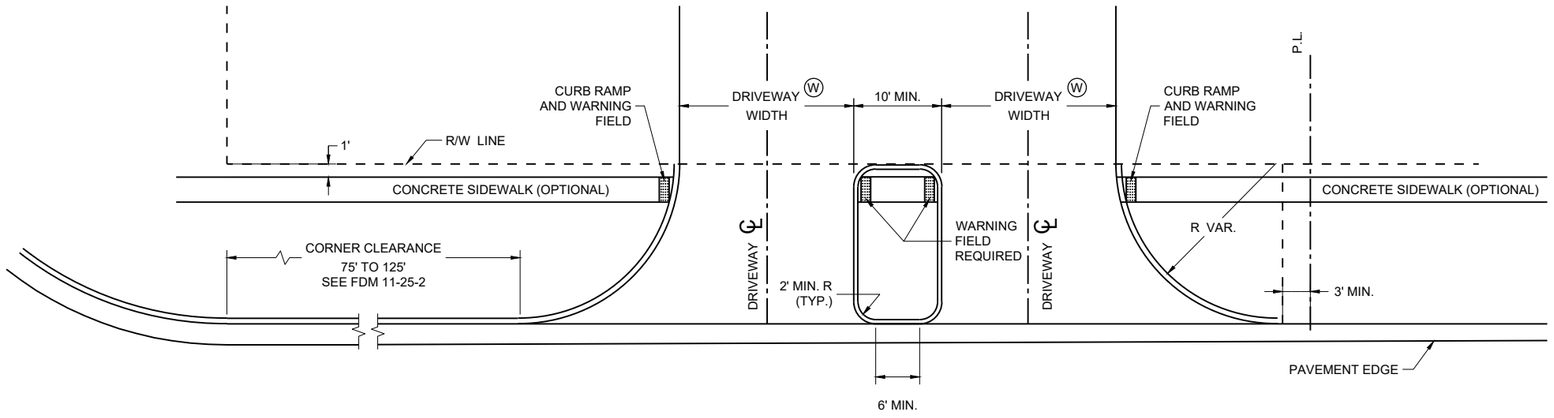
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



DRIVEWAY LOCATION AND SPACING DETAILS

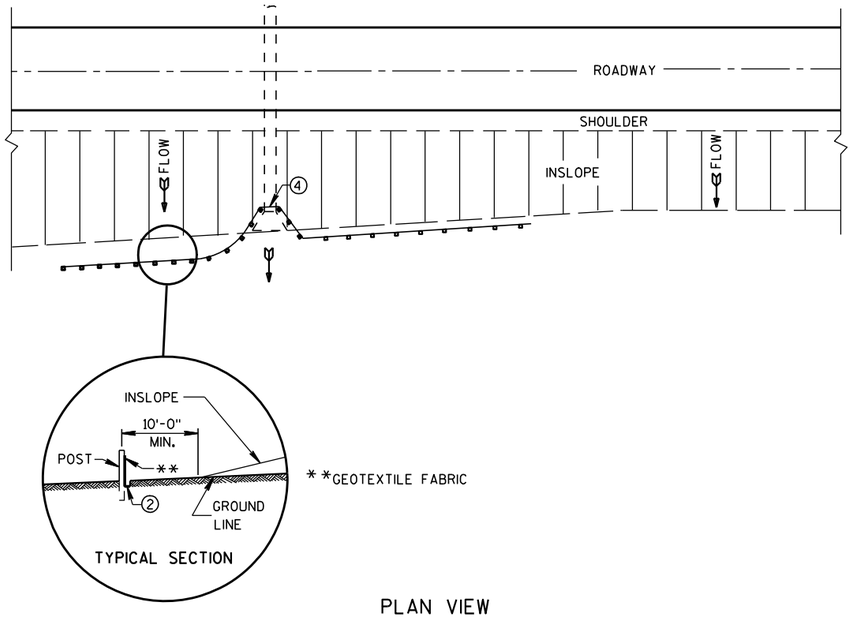
SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

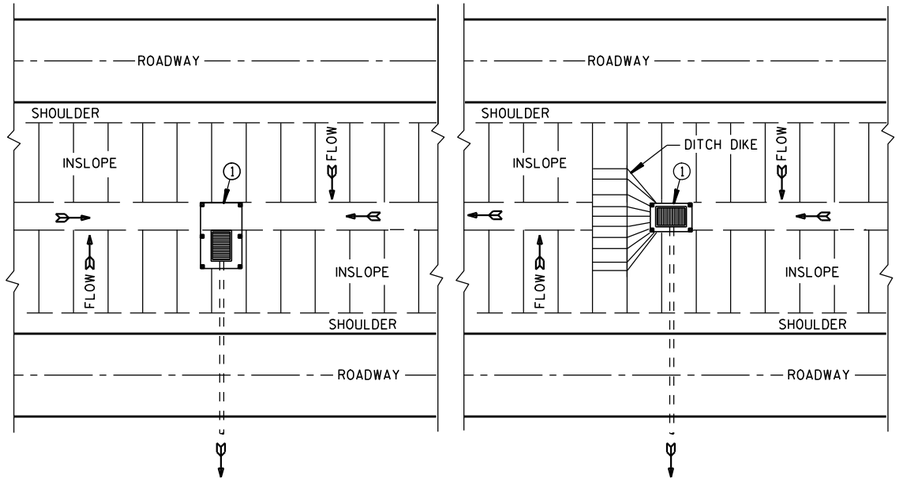
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



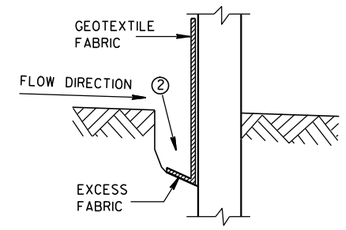
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

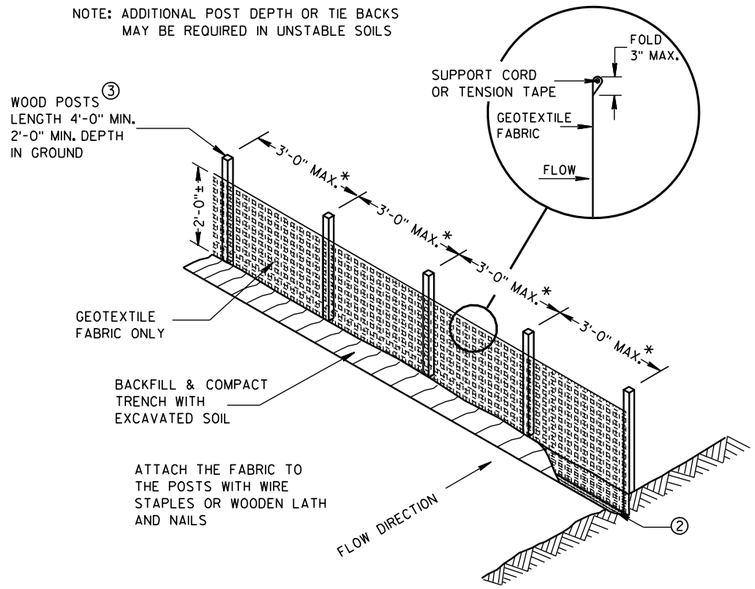
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

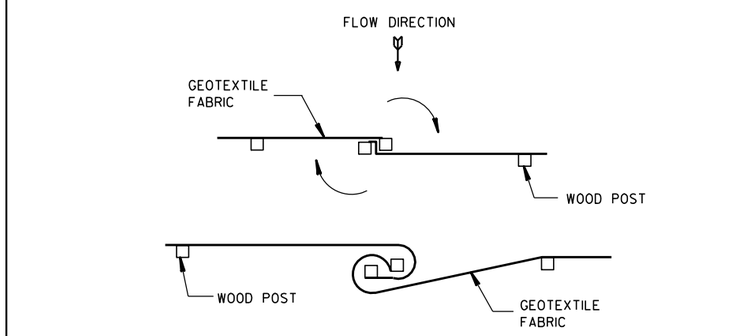
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



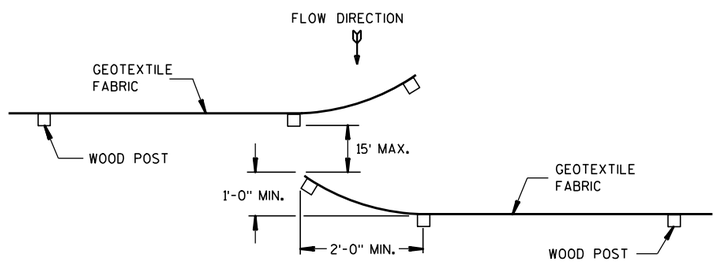
TRENCH DETAIL



SILT FENCE

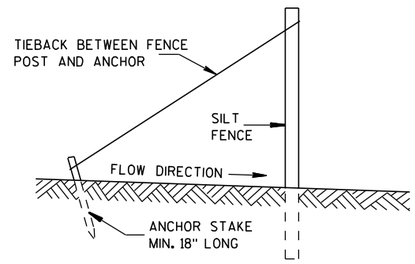


TWIST METHOD



HOOK METHOD

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

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S.D.D. 8 E 9-6

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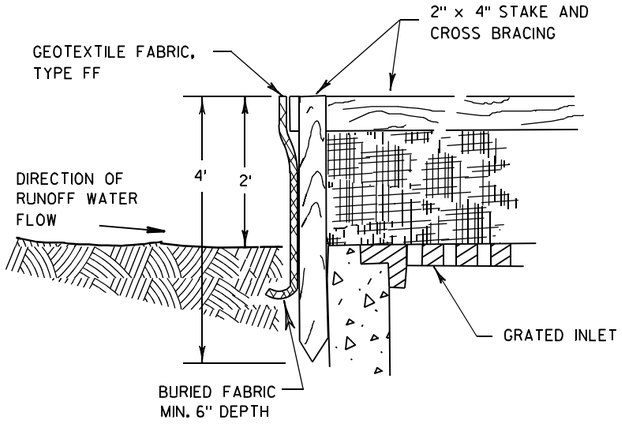
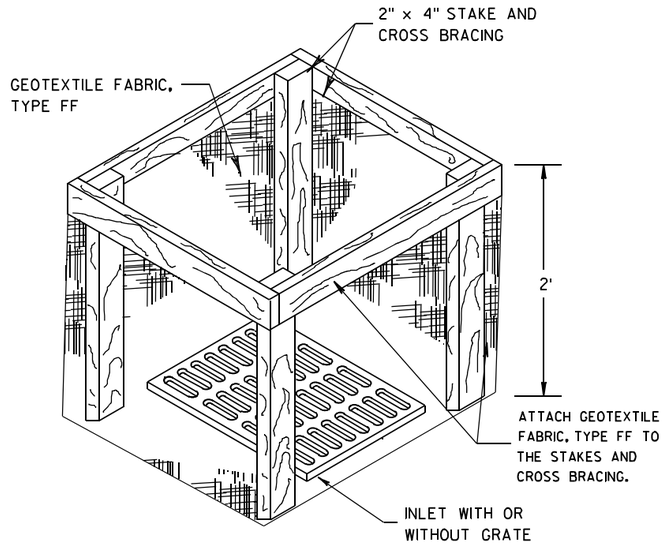
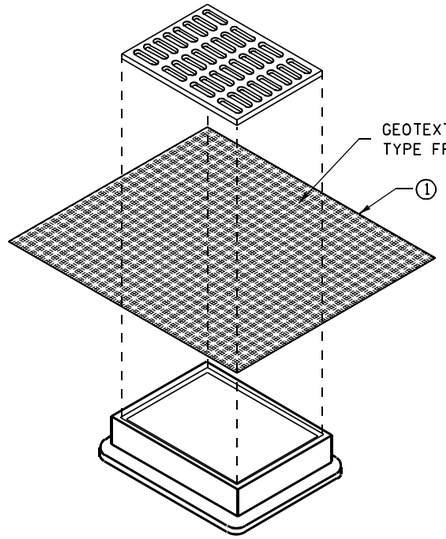
S.D.D. 8 E 9-6



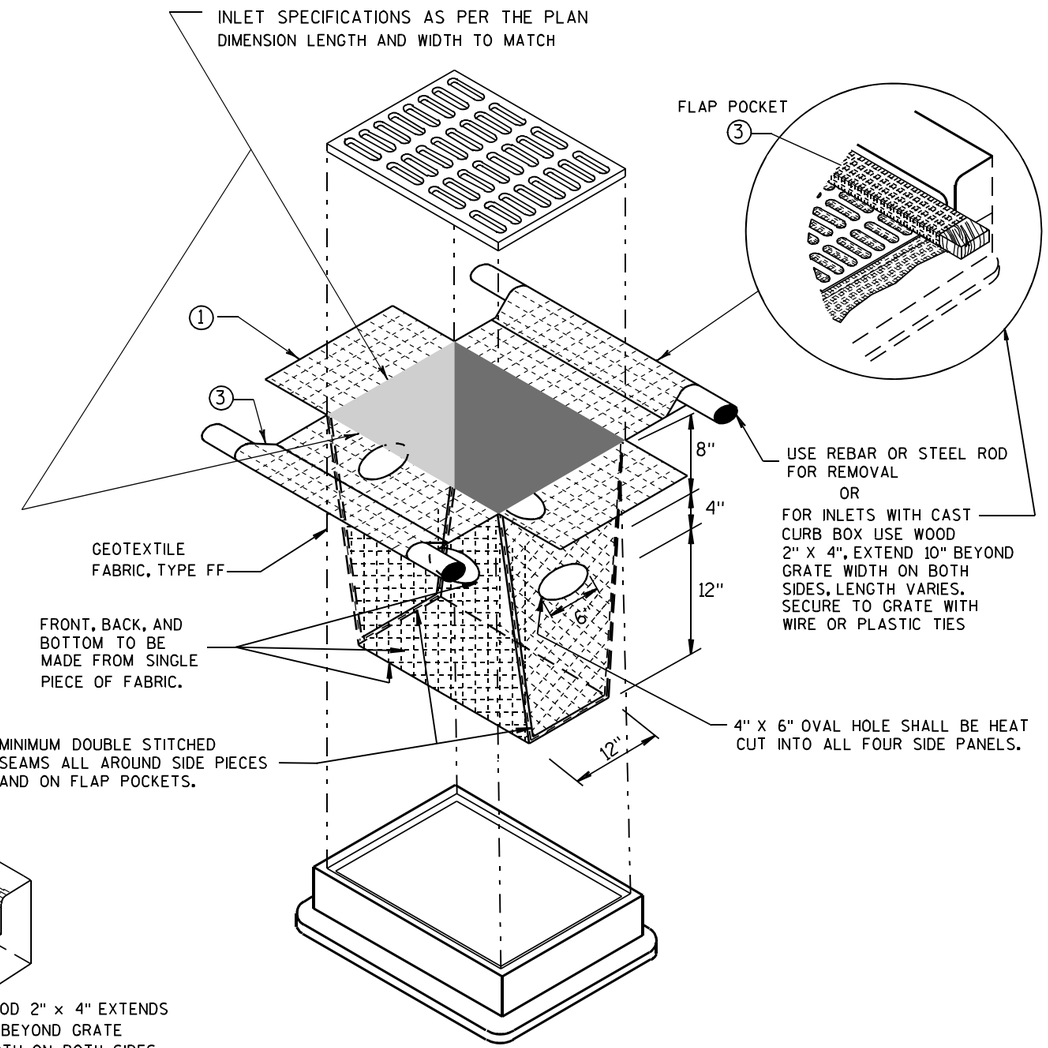


INLET PROTECTION, TYPE A



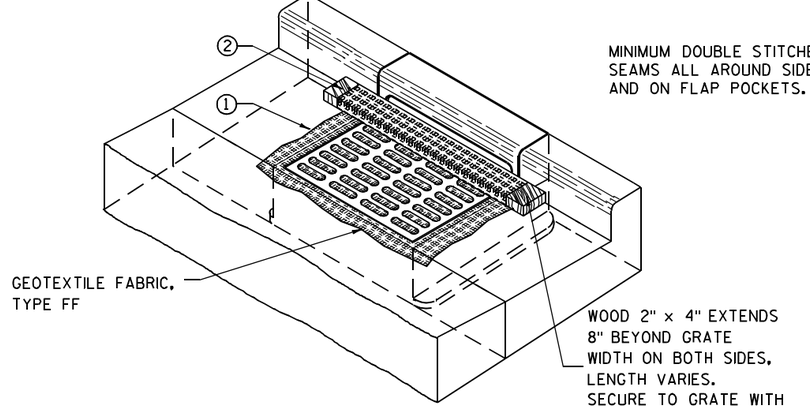
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

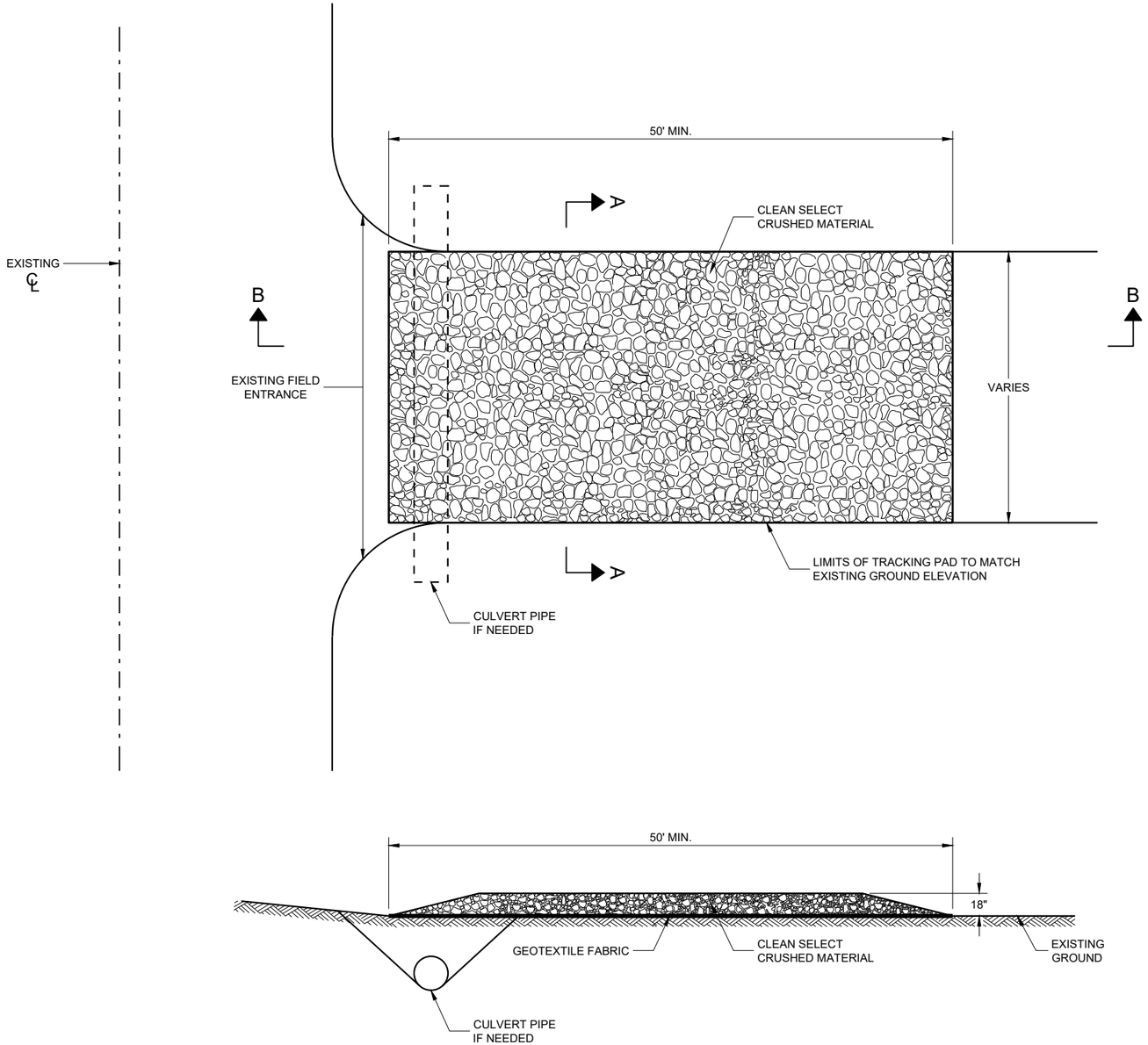
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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.

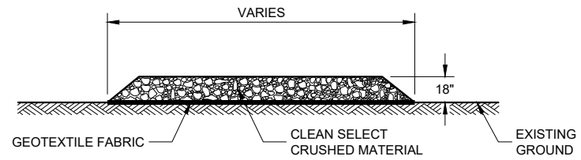
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

6

SDD 08E14 - 01

TRACKING PAD

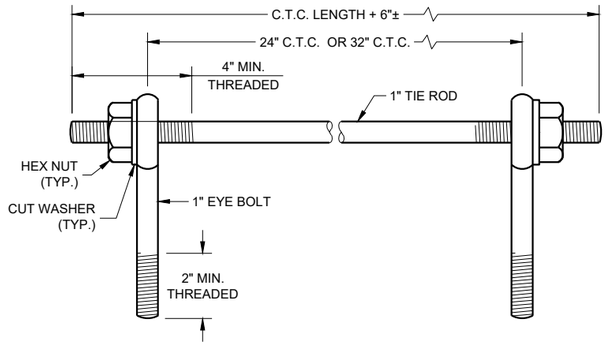
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

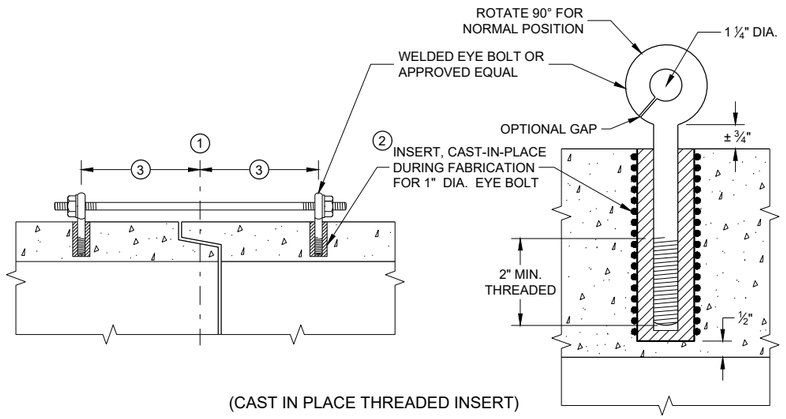
FHWA

6

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.

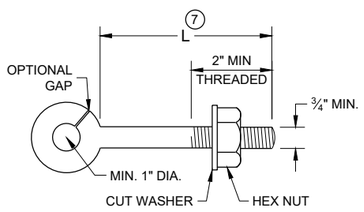
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

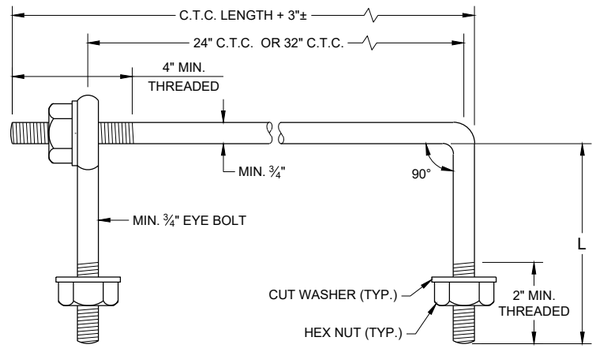
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

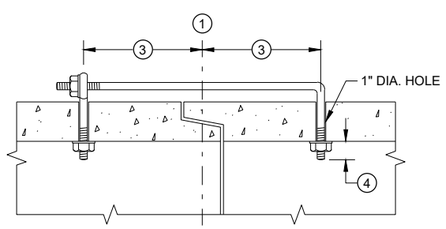


EYE BOLT (7)

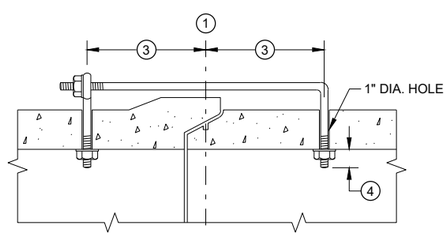
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

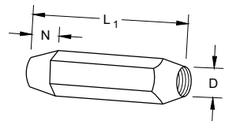
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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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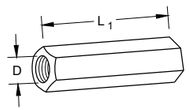
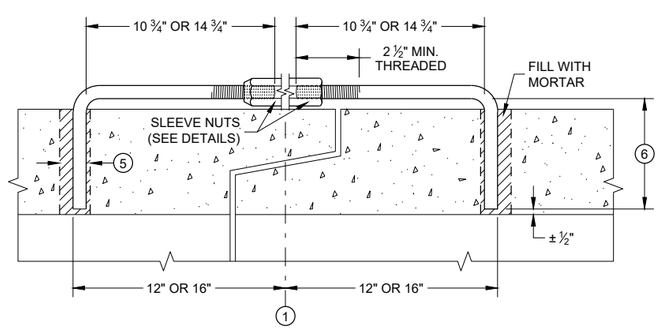


PLAIN

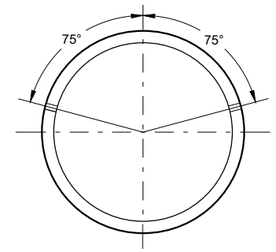
RIGHT AND LEFT THREADS

SLEEVE NUTS



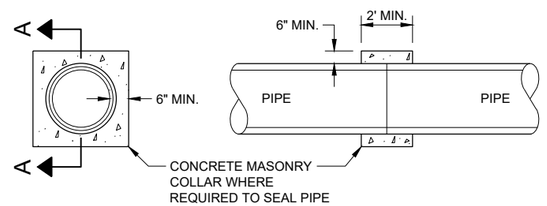
LONGITUDINAL SECTION

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

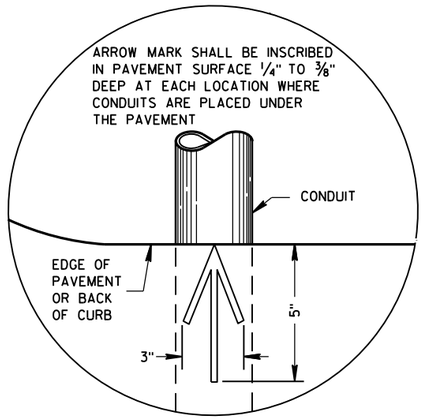
CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

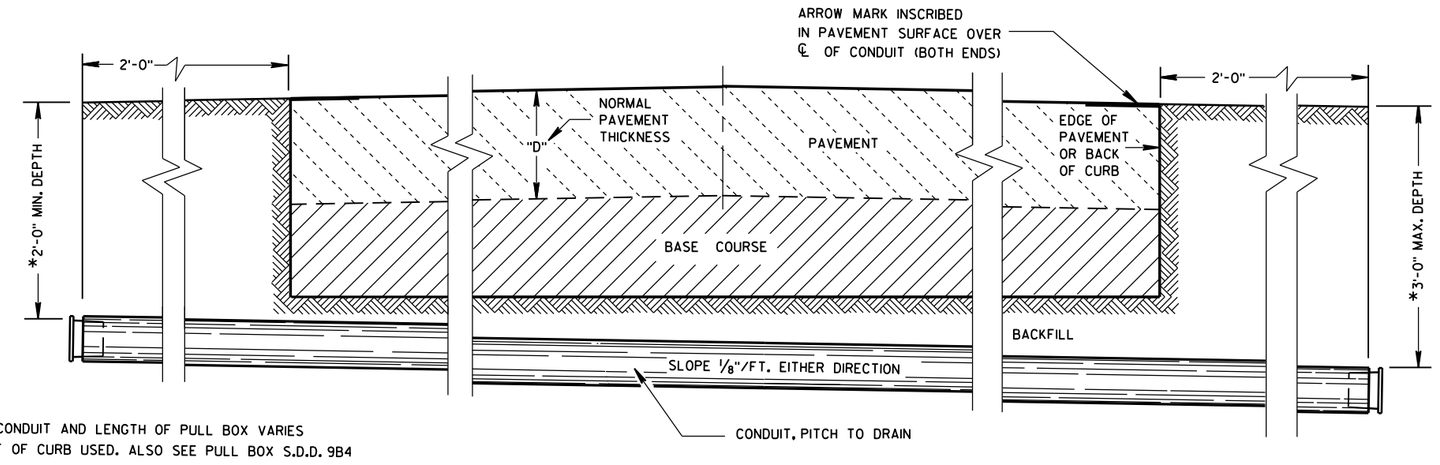
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA



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.

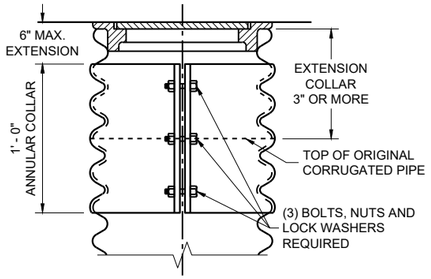
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

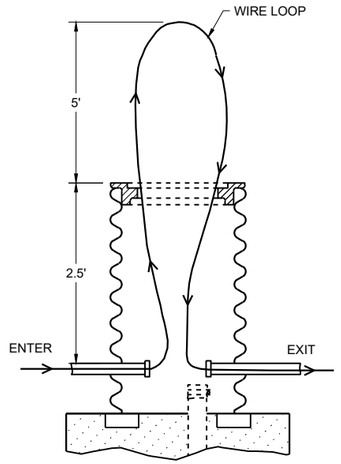
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

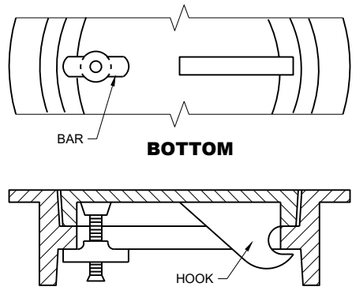
S.D.D. 9 B 2-10



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.

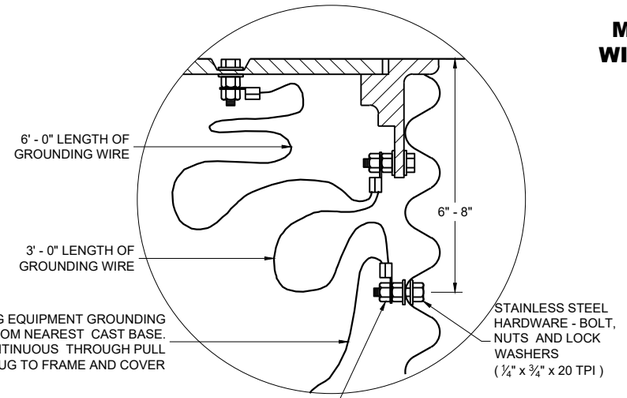
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

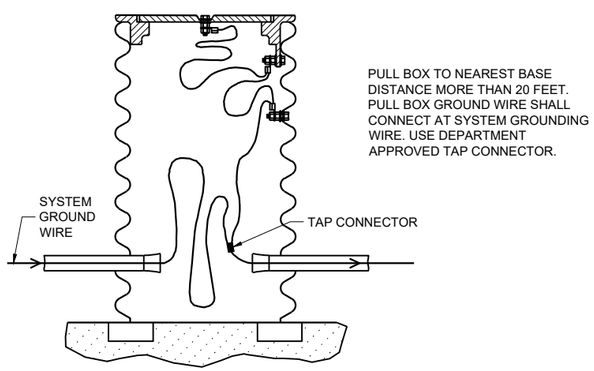
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

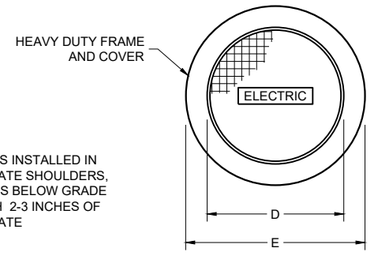
WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



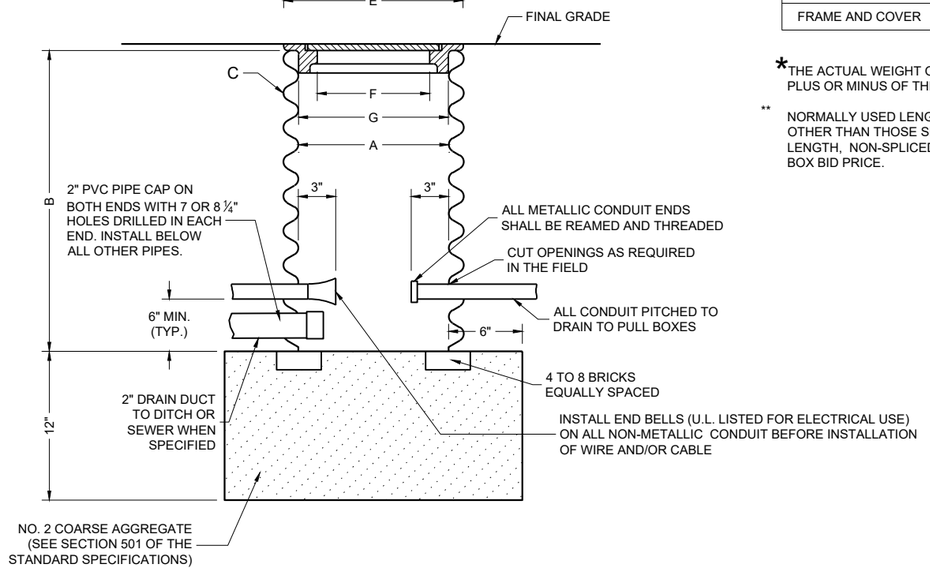
EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



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

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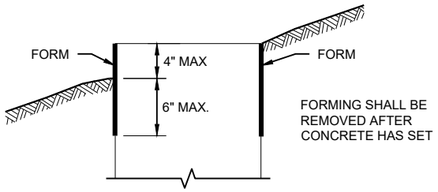
SDD 09B04-13

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.

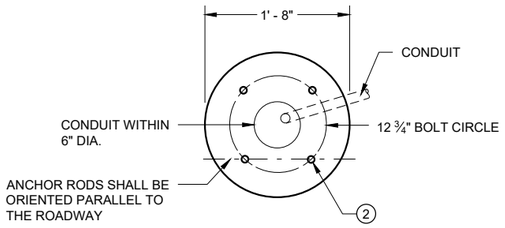
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

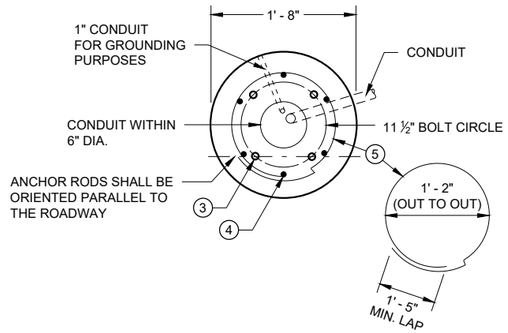
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

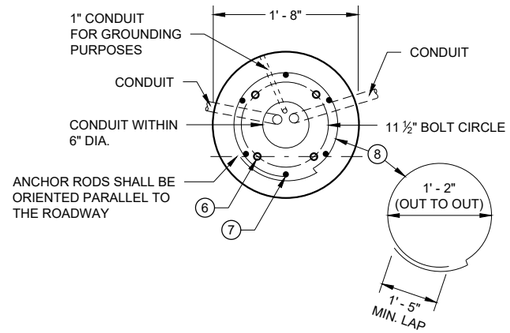
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

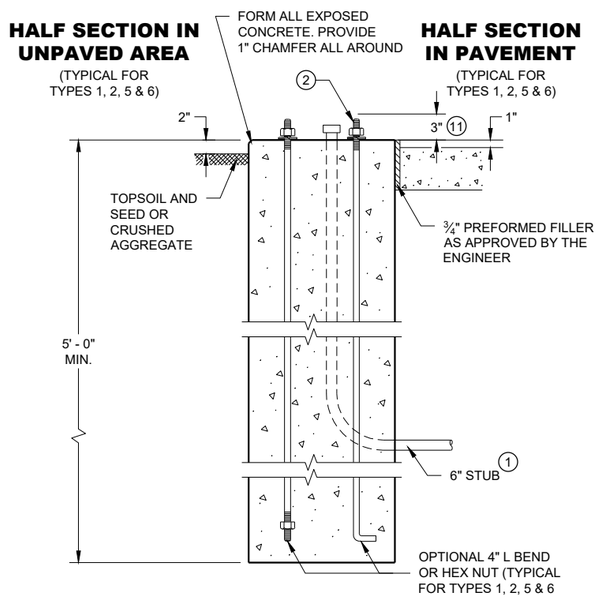
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

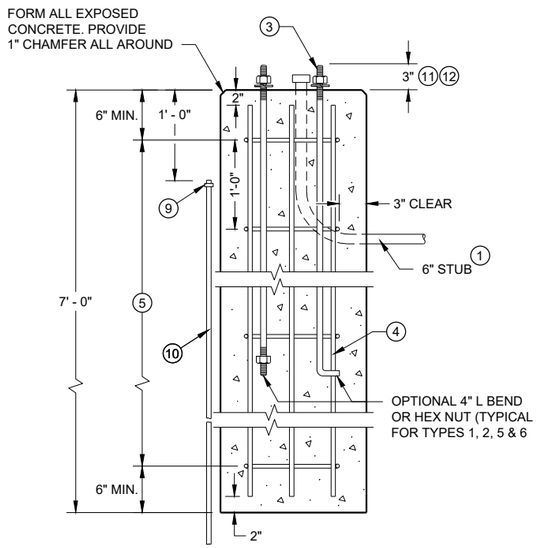




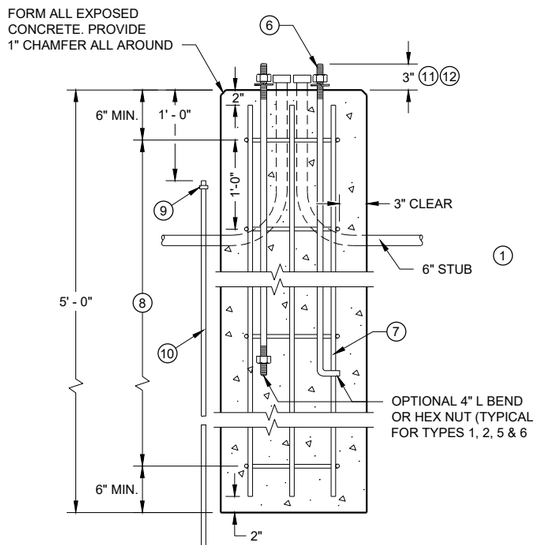




TYPE 1



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

FHWA

6
SDD 09C02 - 09

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.

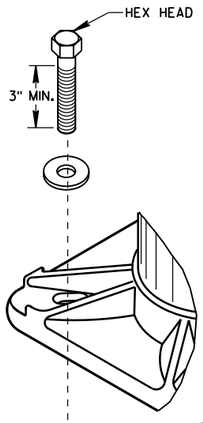
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

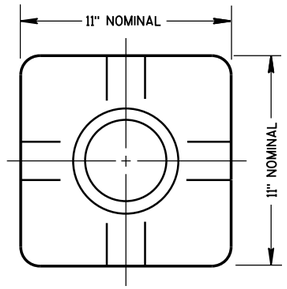
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

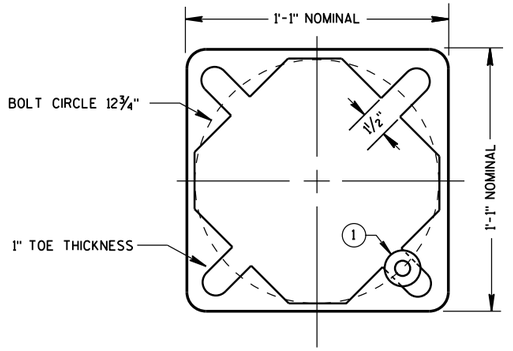
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

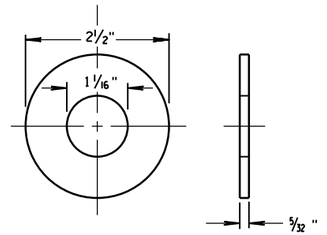




TOP VIEW
(PEDESTAL BASE)

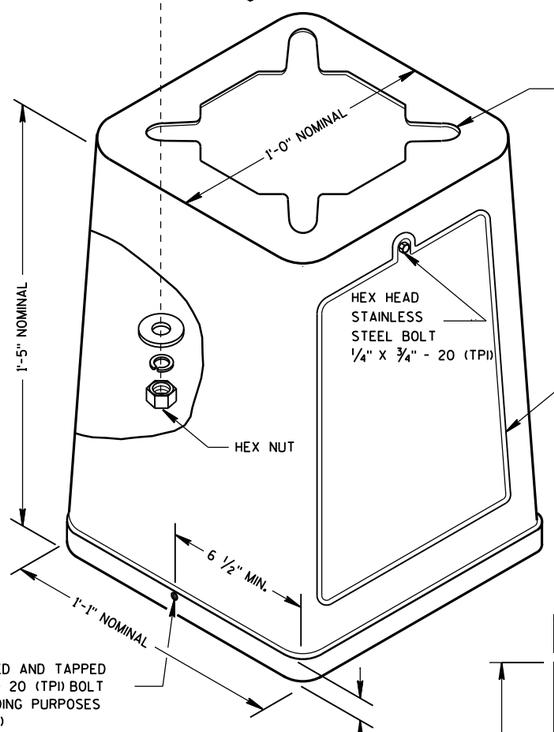


BOTTOM VIEW
(PEDESTAL BASE)

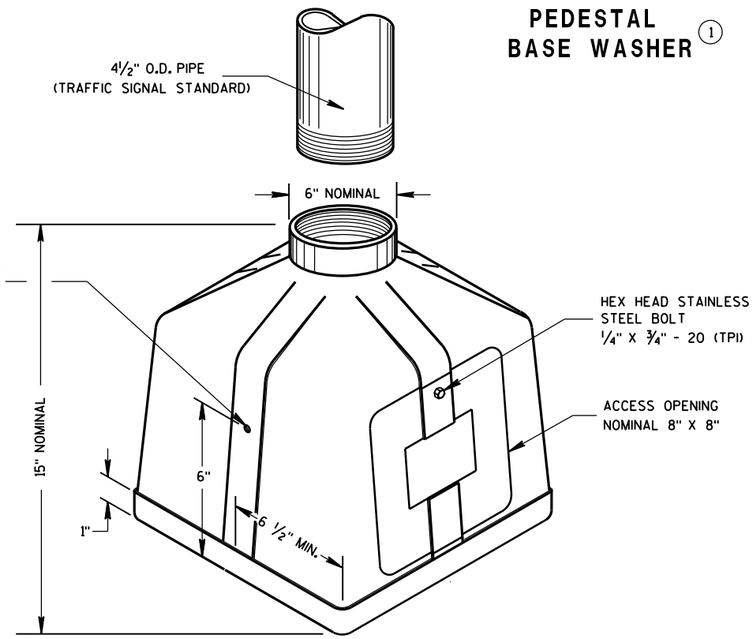


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

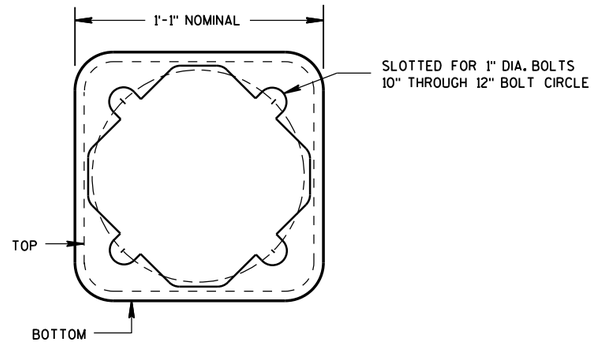


ISOMETRIC VIEW

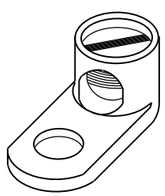


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

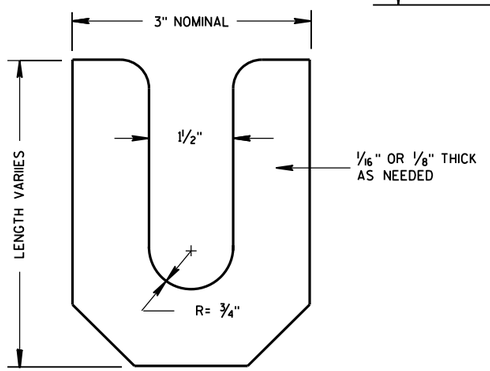


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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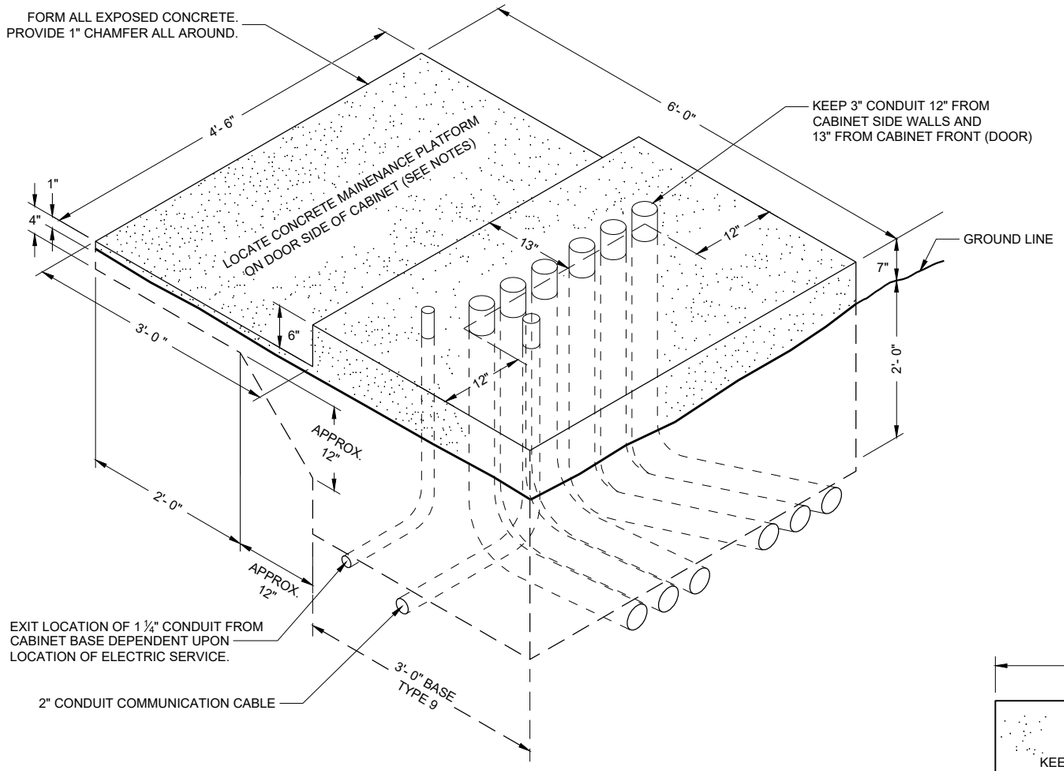
S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

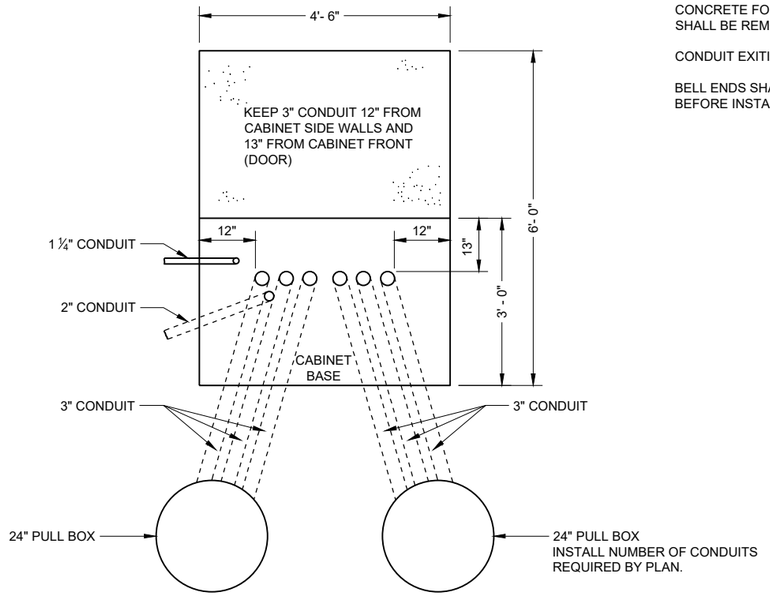
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



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 215

FHWA

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.

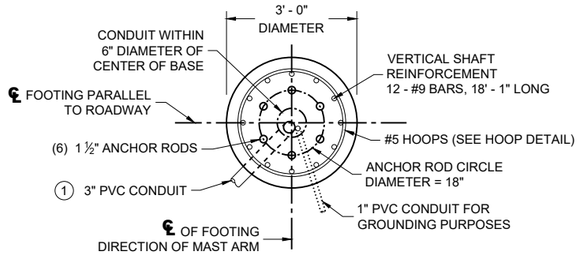
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

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.

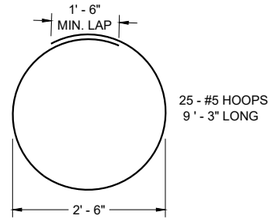
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(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.

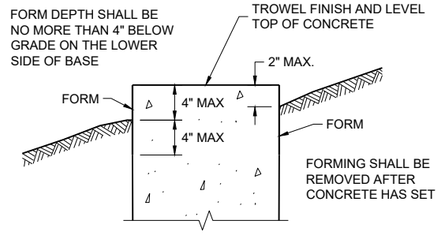
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55.....fy = 55,000 p.s.i.
(IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



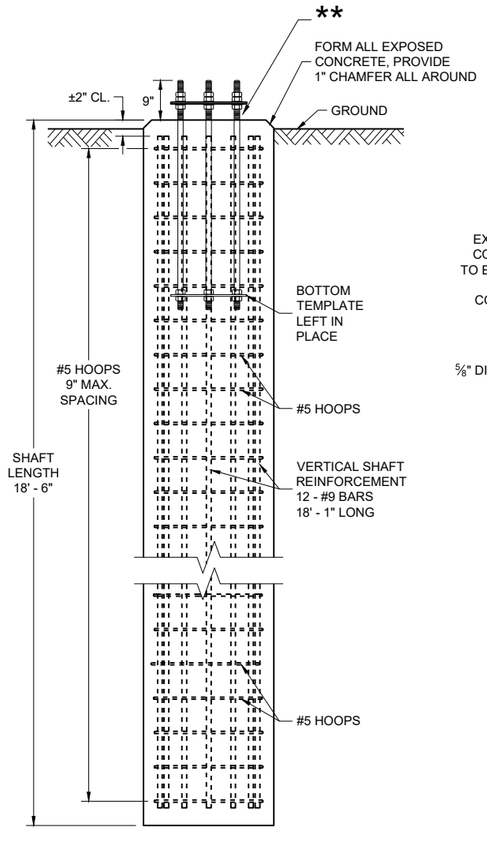
PLAN VIEW



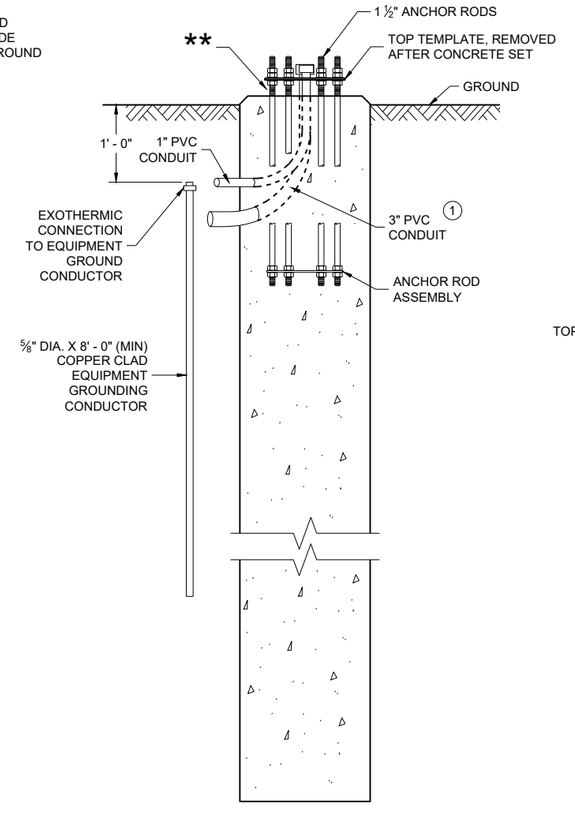
HOOP DETAIL



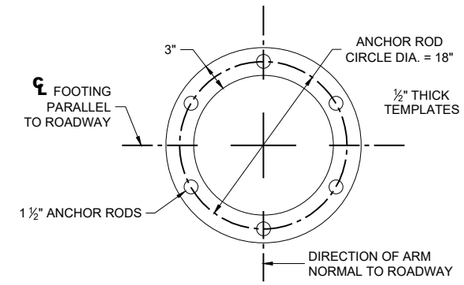
FORMING DETAIL



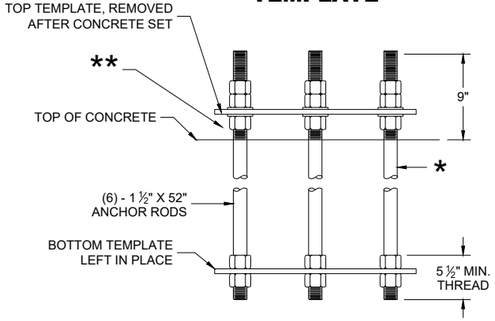
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



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

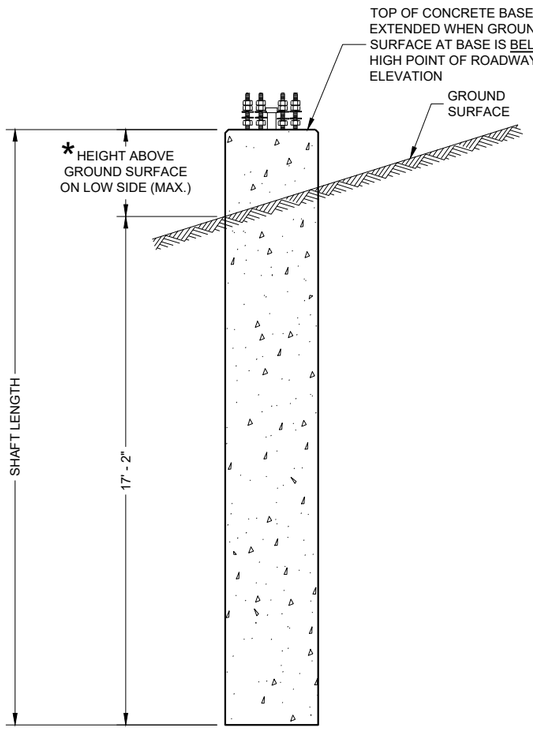
APPROVED
November 2025 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTURES PROGRAM LEADER

FHWA

6
SDD 09C15-03

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 10 SPECIAL CONCRETE BASE

HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #8 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL STEEL
>0" TO 6"	10"	18' - 0"	17' - 7"	25	4.7	241	563
>6" TO 1' - 0"	1' - 4"	18' - 6"	18' - 1"	25	4.8	241	579
>1' - 0" TO 1' - 6"	1' - 10"	19' - 0"	18' - 7"	26	5.0	251	595
>1' - 6" TO 2 - 0"	2' - 4"	19' - 6"	19' - 1"	27	5.1	260	611



CONCRETE BASE TYPE 10 SPECIAL (EXTENDED)

CONCRETE BASE TYPE 10 SPECIAL EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 217

FHWA

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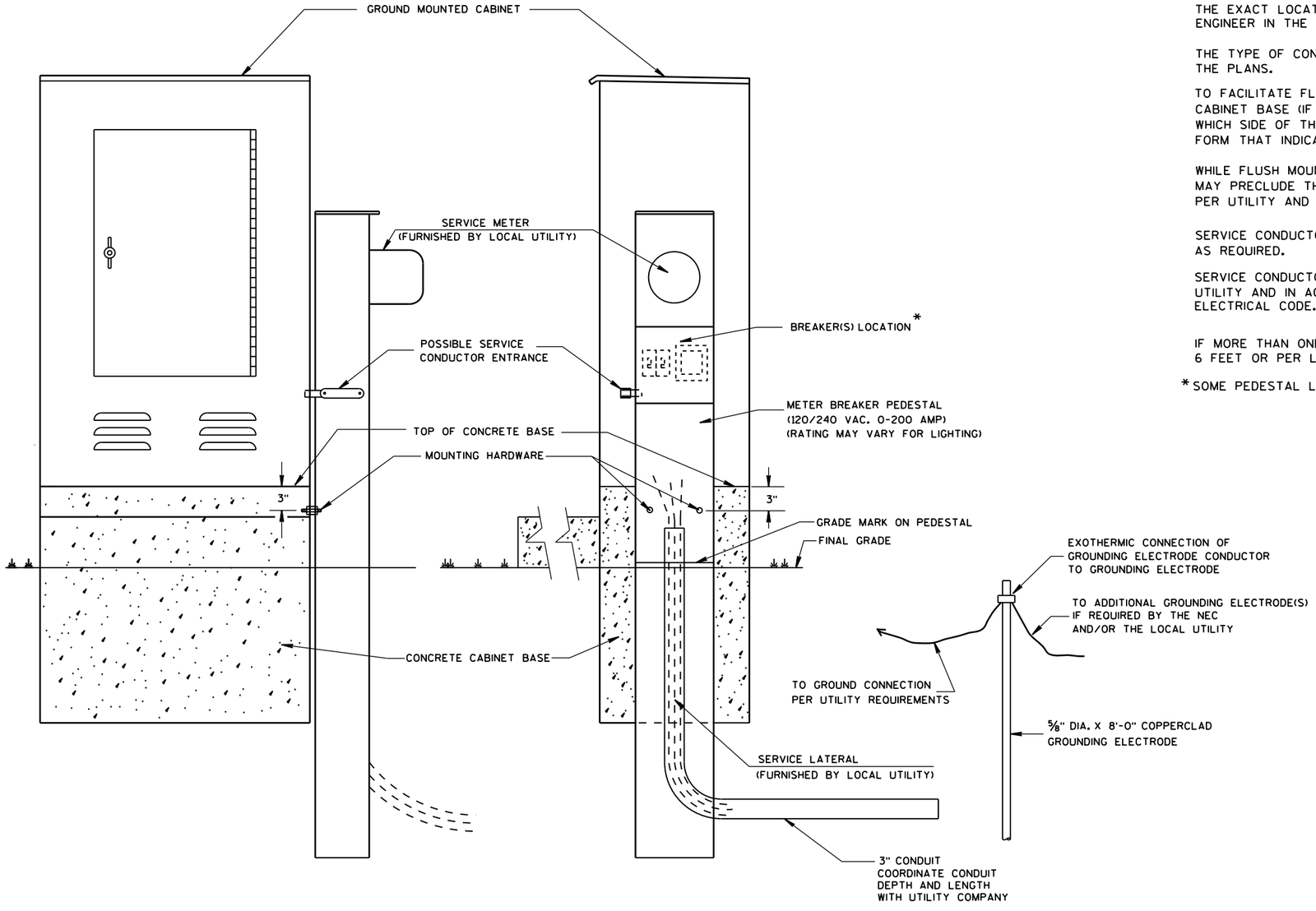
SDD 09C16-01



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.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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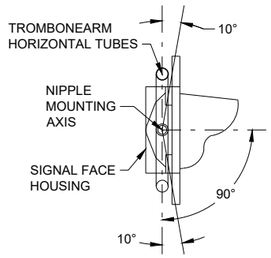
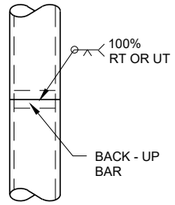


SECTION A-A

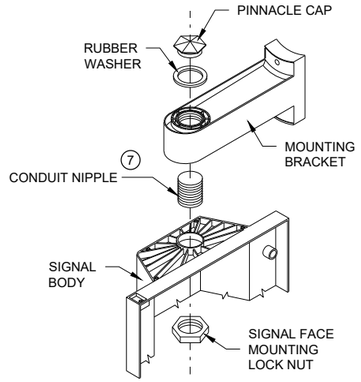
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

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.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THEPERTINENT REQUIREMENTS OF THE CONTRACT.

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

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.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

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 ⅜" 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) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

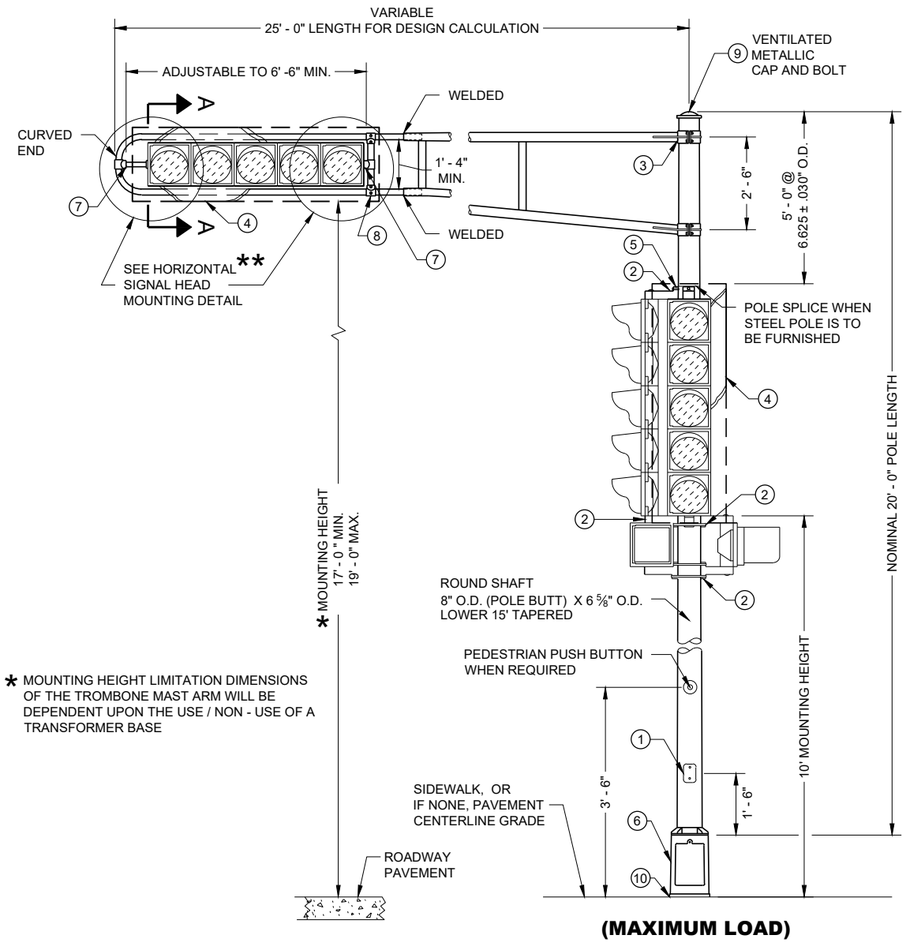
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE 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 STRUTIS 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.

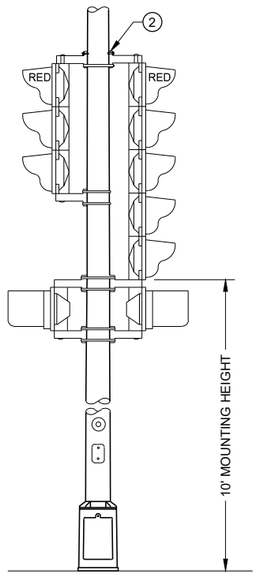
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

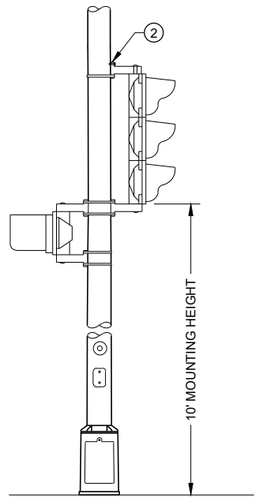


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

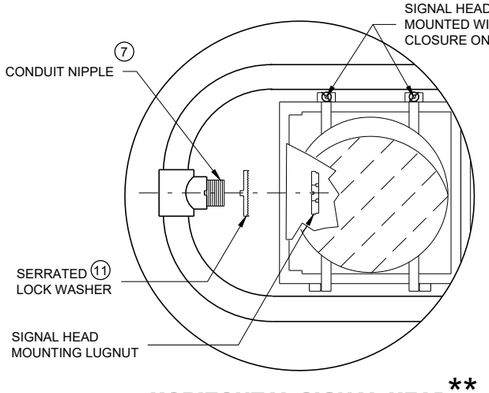
(MAXIMUM LOAD)



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

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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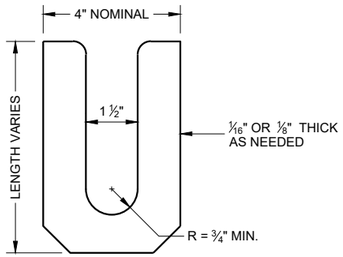
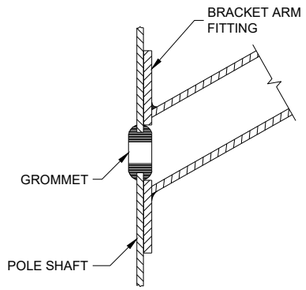
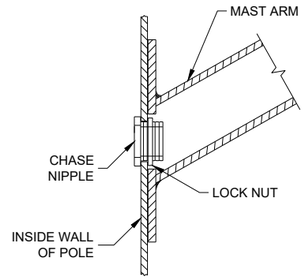


LEVELING SHIM (1)
SHALL BE ALUMINUM



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.

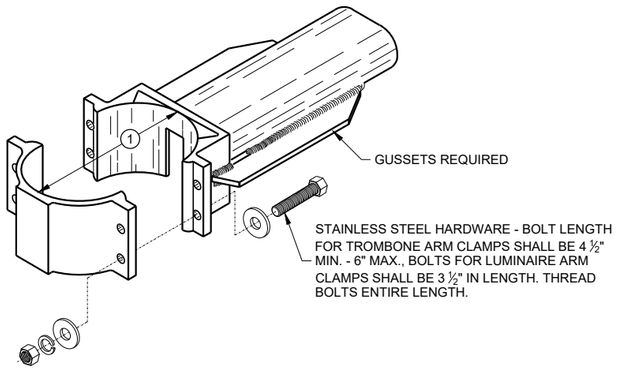
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

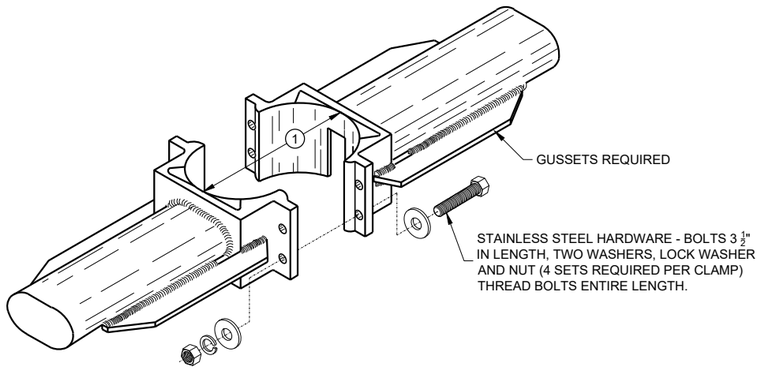
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

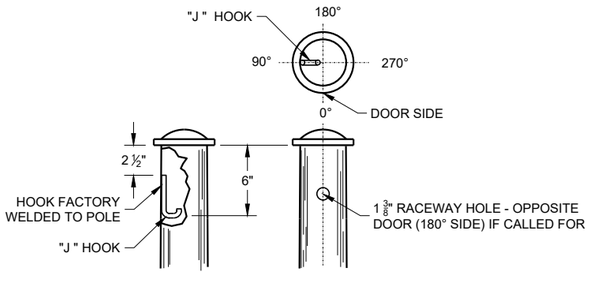
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



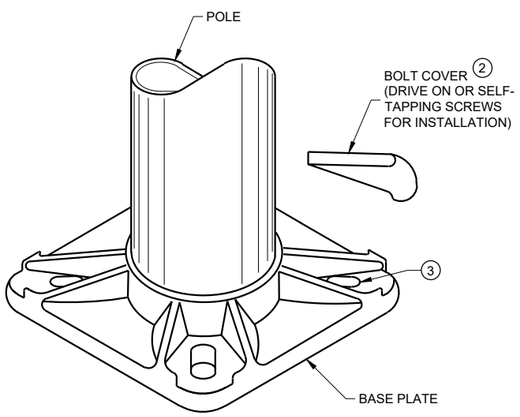
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



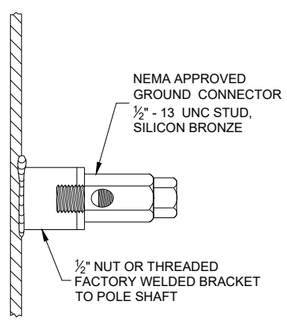
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

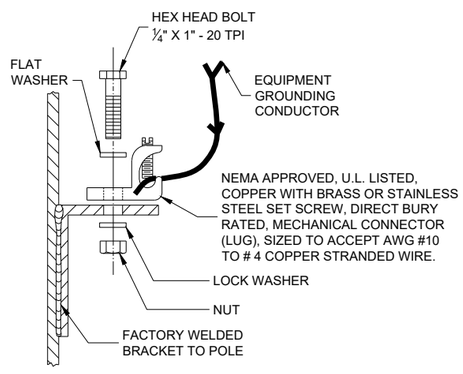


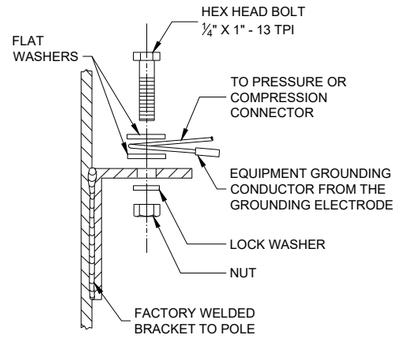
TYPICAL "J" HOOK LOCATION



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 220

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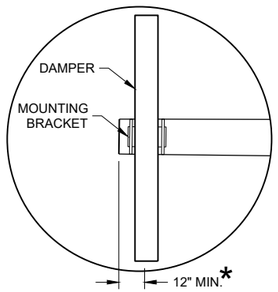
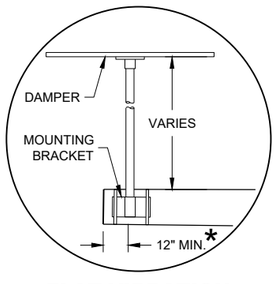
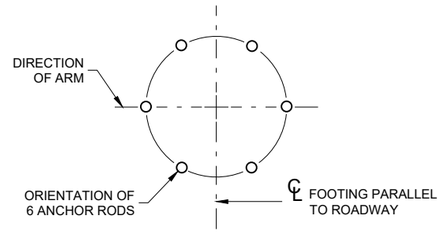


DUMBBELL VIBRATION DAMPER

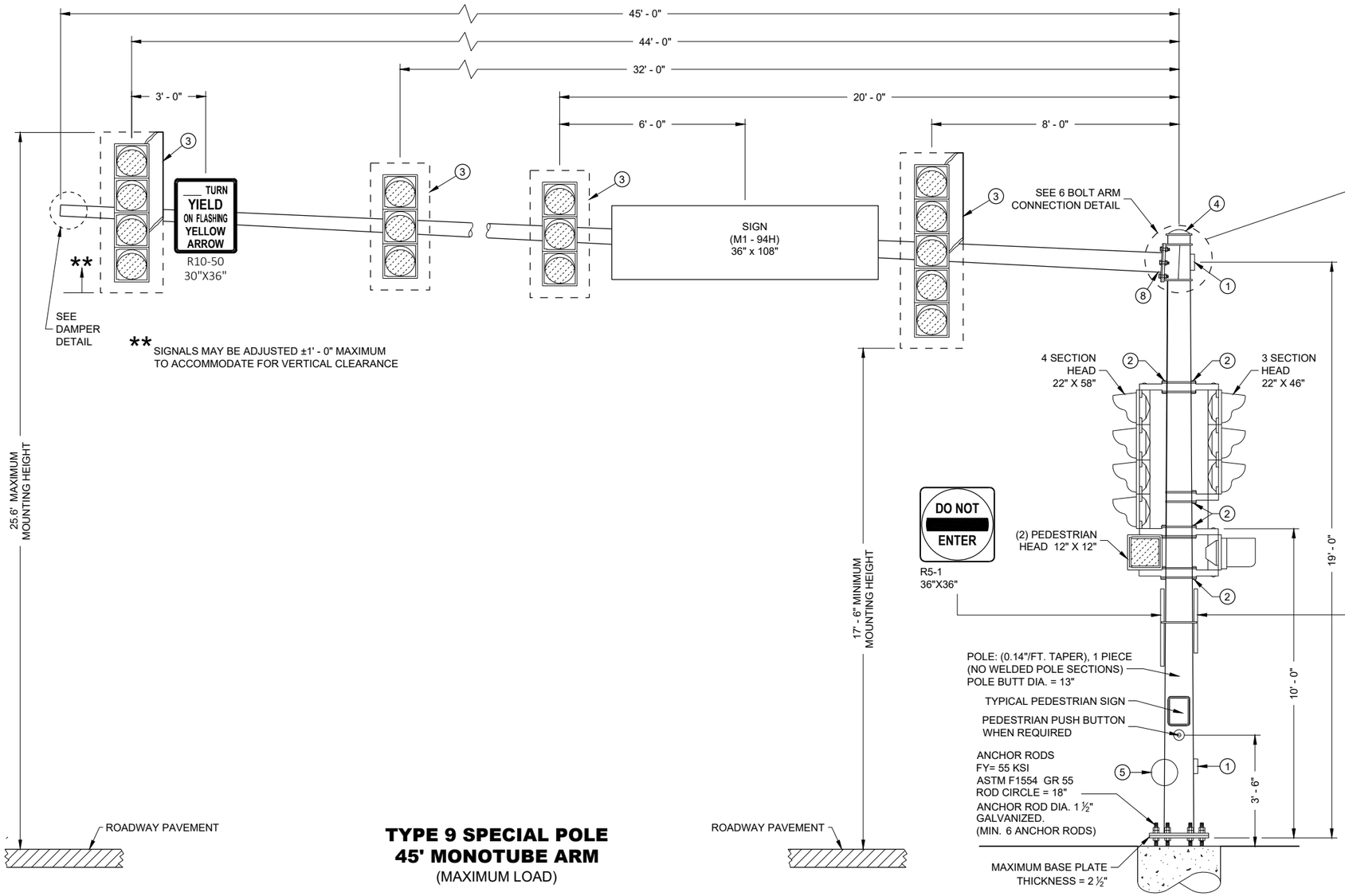


FLAT VIBRATION DAMPER

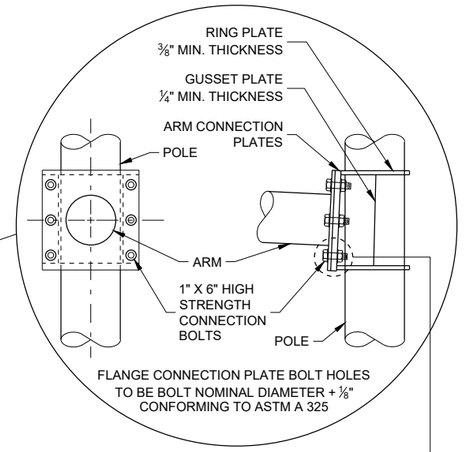
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.



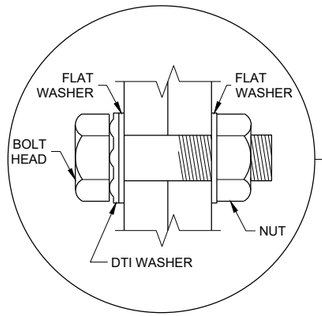
ANCHOR ROD LOCATION



TYPE 9 SPECIAL POLE
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

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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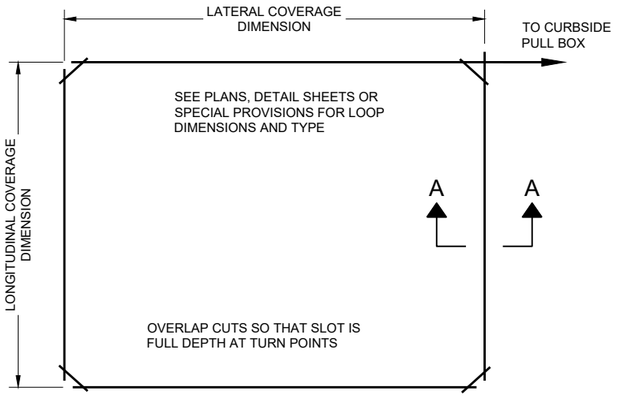
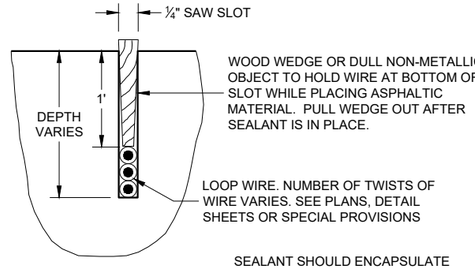
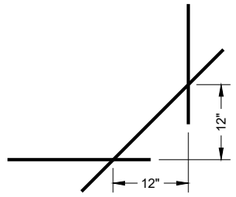


LOOP WIRE SLOT CONSTRUCTION

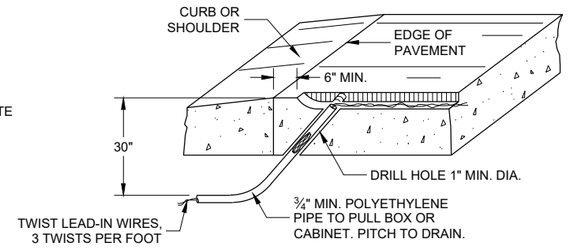


SECTION A - A

LOOP AND LEAD-IN WIRES IN PAVEMENT



EXPANDED VIEW SAW CUT CORNERS



LOOP LEAD-IN WIRES THROUGH PAVEMENT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

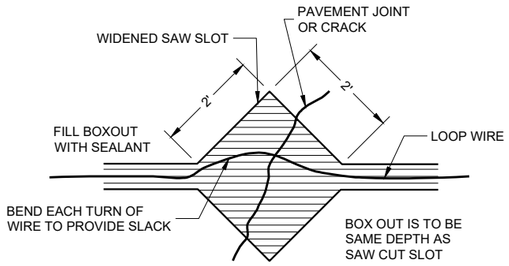
THE SLOTS IN THE PAVEMENT SHALL BE CUT TO DIMENSION WITH A SAW. THE SLOTS SHALL BE CLEANED FREE OF DIRT, DUST, MOISTURE AND DEBRIS PRIOR TO INSTALLATION OF THE WIRE.

AFTER PLACING THE WIRE IN THE SLOT, FILL THE SLOT WITH AN ASPHALTIC MATERIAL IN ACCORDANCE WITH THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D6690".

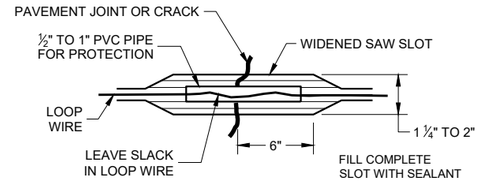
IN THE EVENT ASPHALTIC MATERIAL IS UNAVAILABLE, A FLEXIBLE TYPE EPOXY MAY BE USED AS A LOOP SLOT FILLER. THE LOOP SLOT SHALL BE CLEAN AND DRY BEFORE EPOXY IS INSTALLED. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED ONLY AFTER WRITTEN APPROVAL BY THE BY THE PROJECT ENGINEER.

THE TWO SINGLE CONDUCTOR LOOP WIRES SHALL BE TWISTED TOGETHER AT A RATE OF THREE TWISTS PER FOOT FROM THE PAVEMENT EDGE TO THE SPLICE CONNECTION WITH THE LOOP LEAD-IN CABLE.

LEAD-IN CABLES AND LOOP LEAD-IN WIRES SHALL BOTH BE CUT TO 6 FEET IN LENGTH AT THE SPLICING PULL BOX.



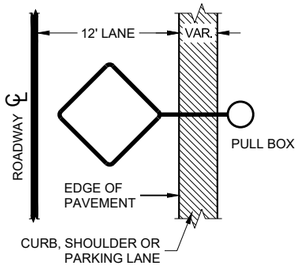
PLAN VIEW



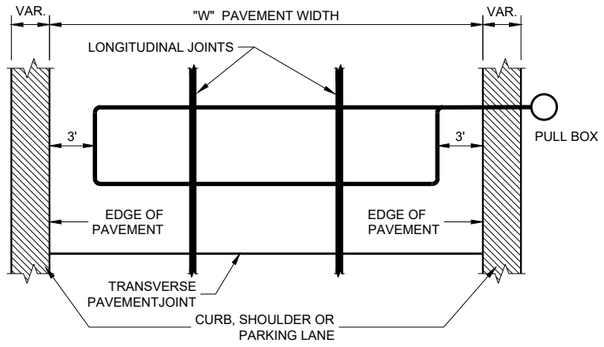
FRONT VIEW

LOOP WIRE INSTALLATION ACROSS PAVEMENT JOINT OR CRACK

CENTER LOOP IN LANE

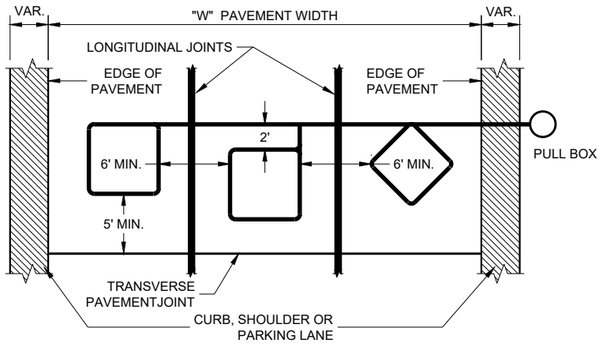


LOOP WIRE SLOT PLAN

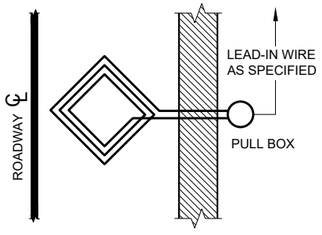


LOOP WIRE SLOT PLAN

PLACE LOOPS IN CENTER OF LANES

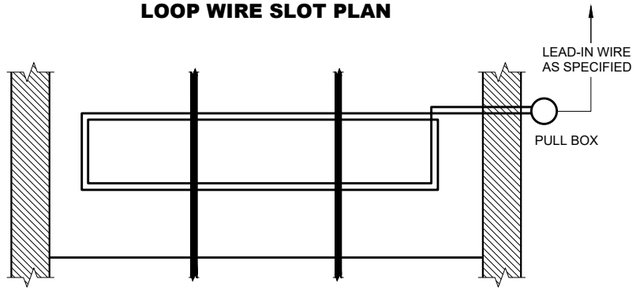


LOOP WIRE SLOT PLAN



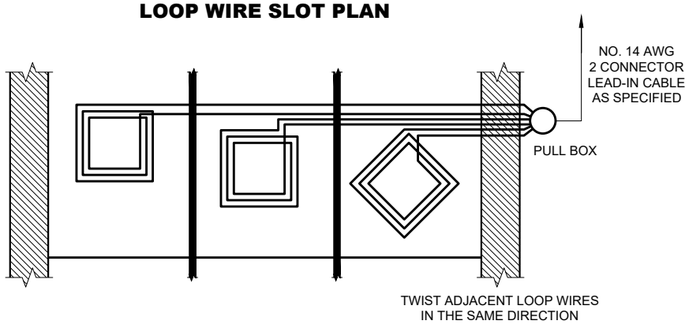
LOOP WIRE LAY CONSTRUCTION DETAILS

SINGLE LANE LOOP DETECTION



LOOP WIRE LAY CONSTRUCTION DETAILS

MULTIPLE LANE MASS LOOP DETECTION



LOOP WIRE LAY CONSTRUCTION DETAILS

MULTIPLE LANE DETECTION BY INDIVIDUAL LANES. TYPICAL STYLE LOOPS

DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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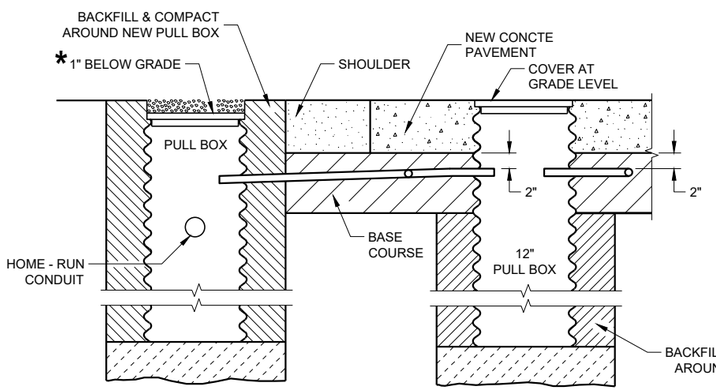
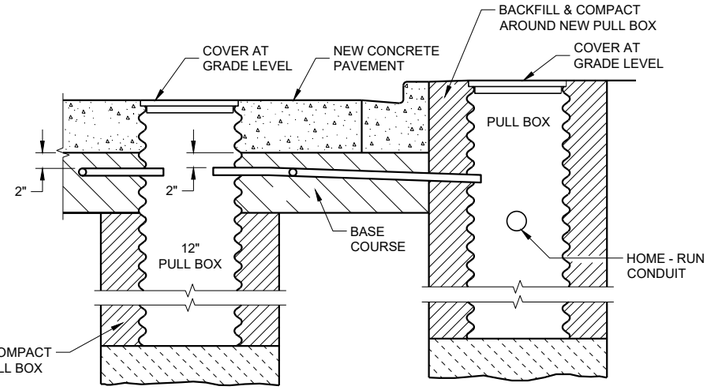


SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL 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.

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 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.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

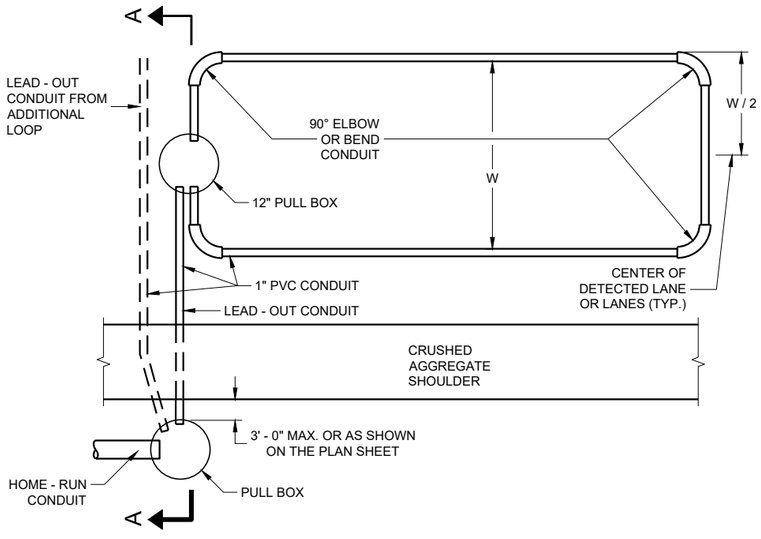
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

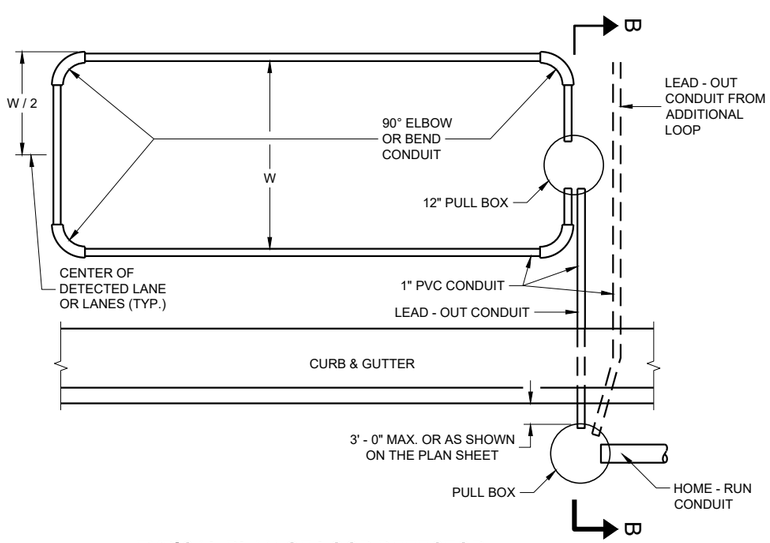
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET, PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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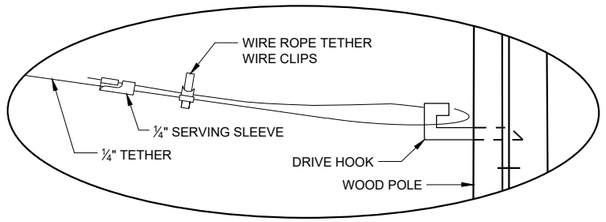
MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

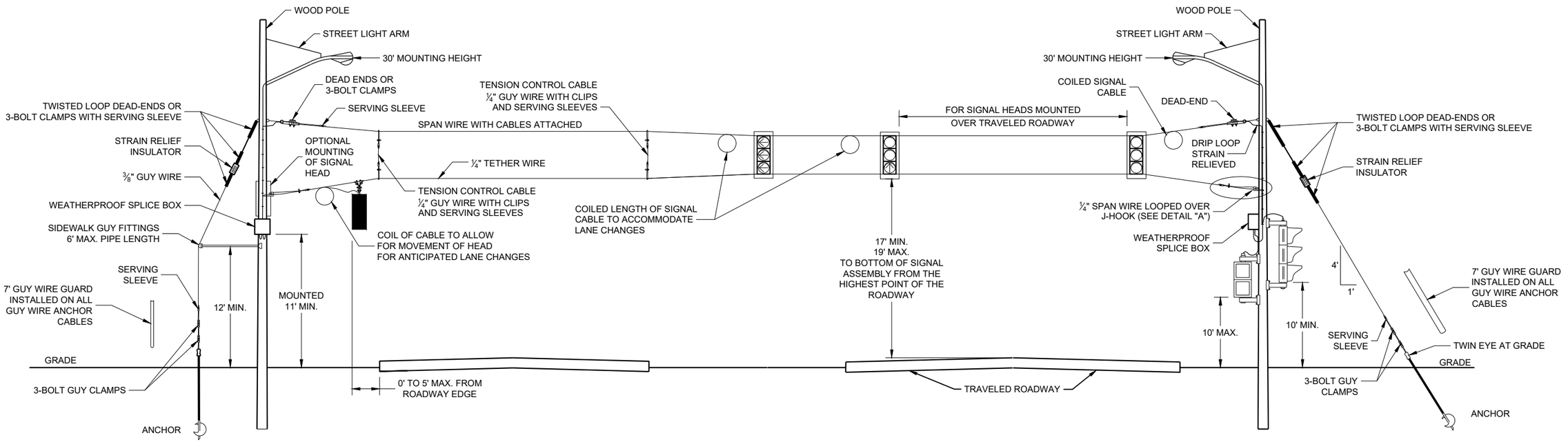


DETAIL "A"

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 224
FHWA

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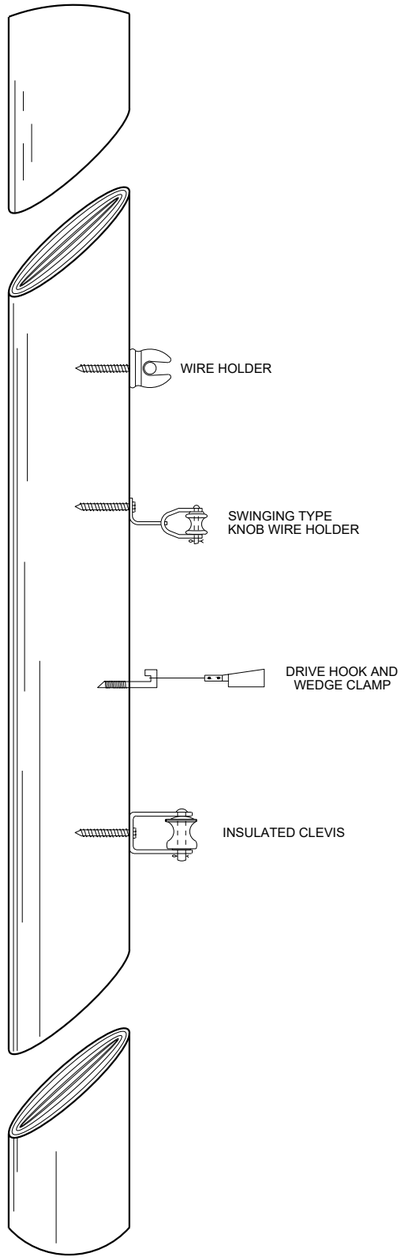

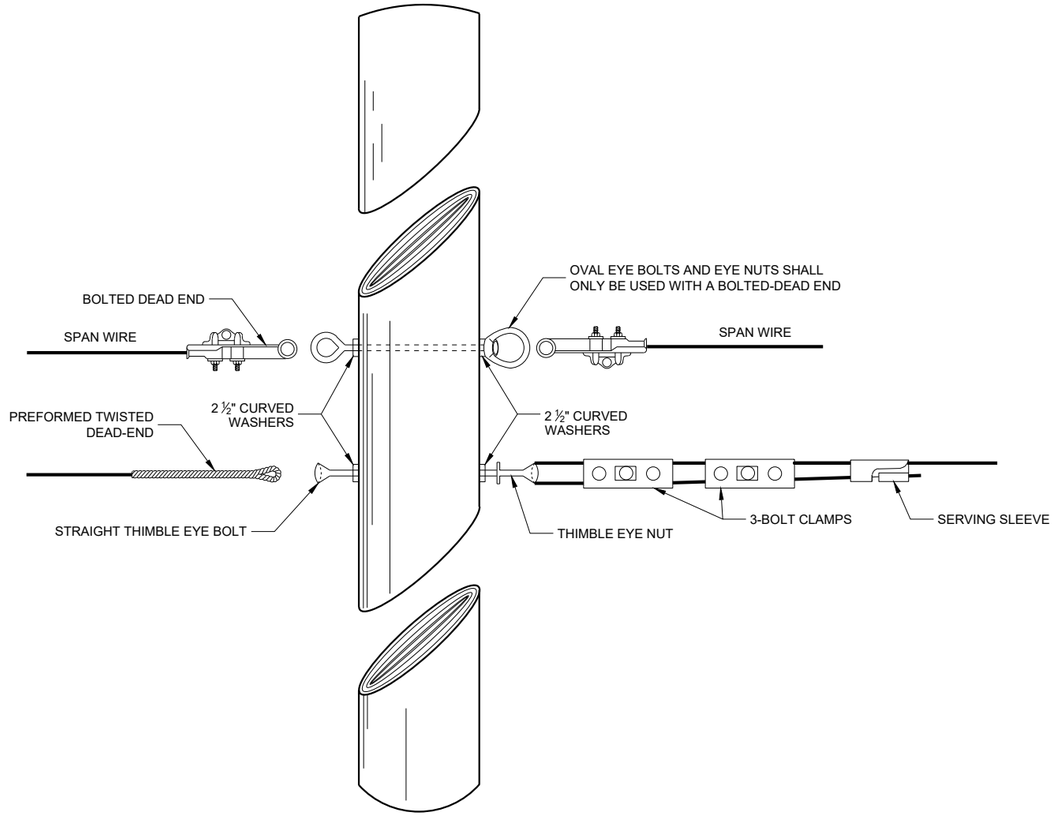

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

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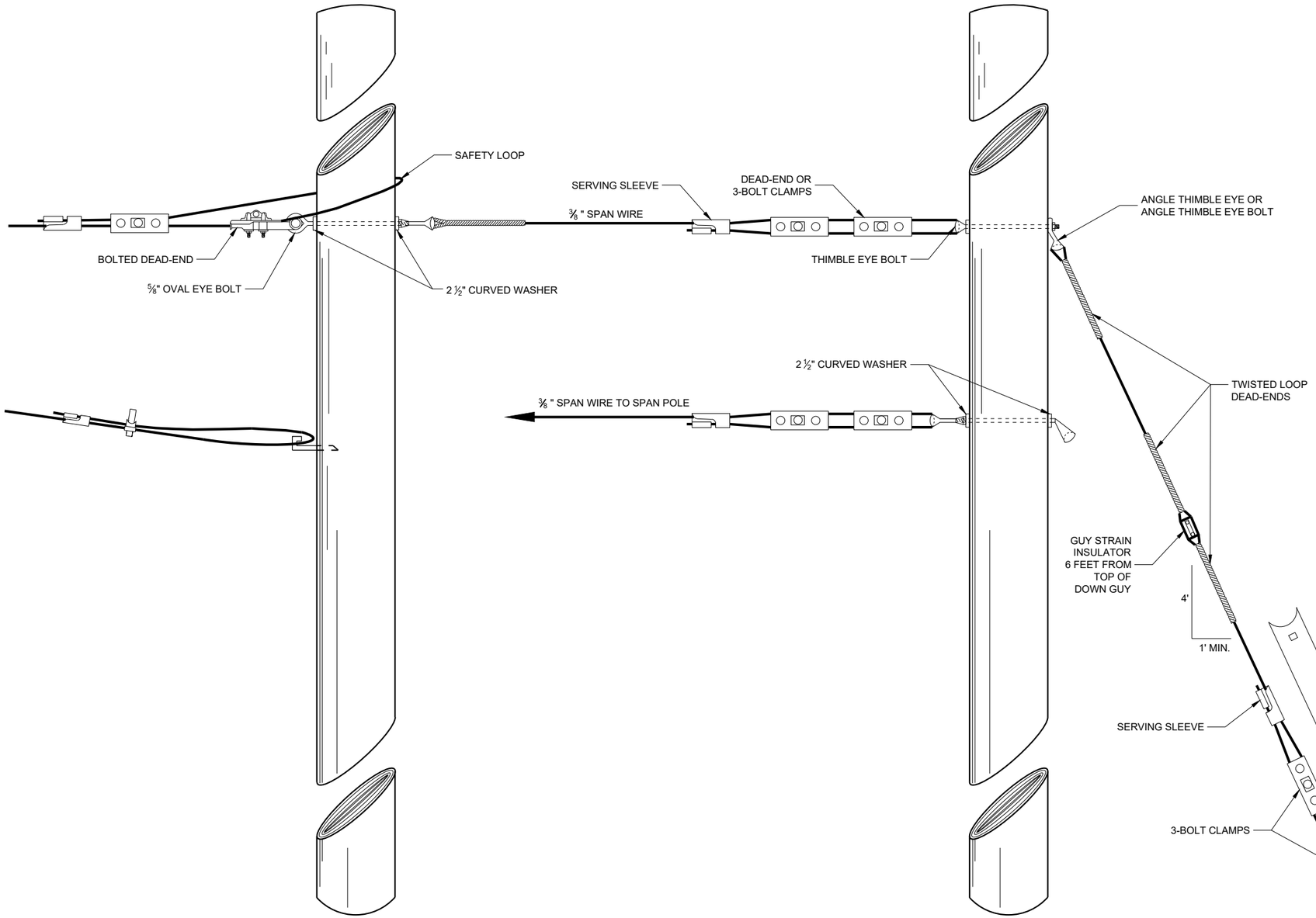
GENERAL NOTES

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

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SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2015
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/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

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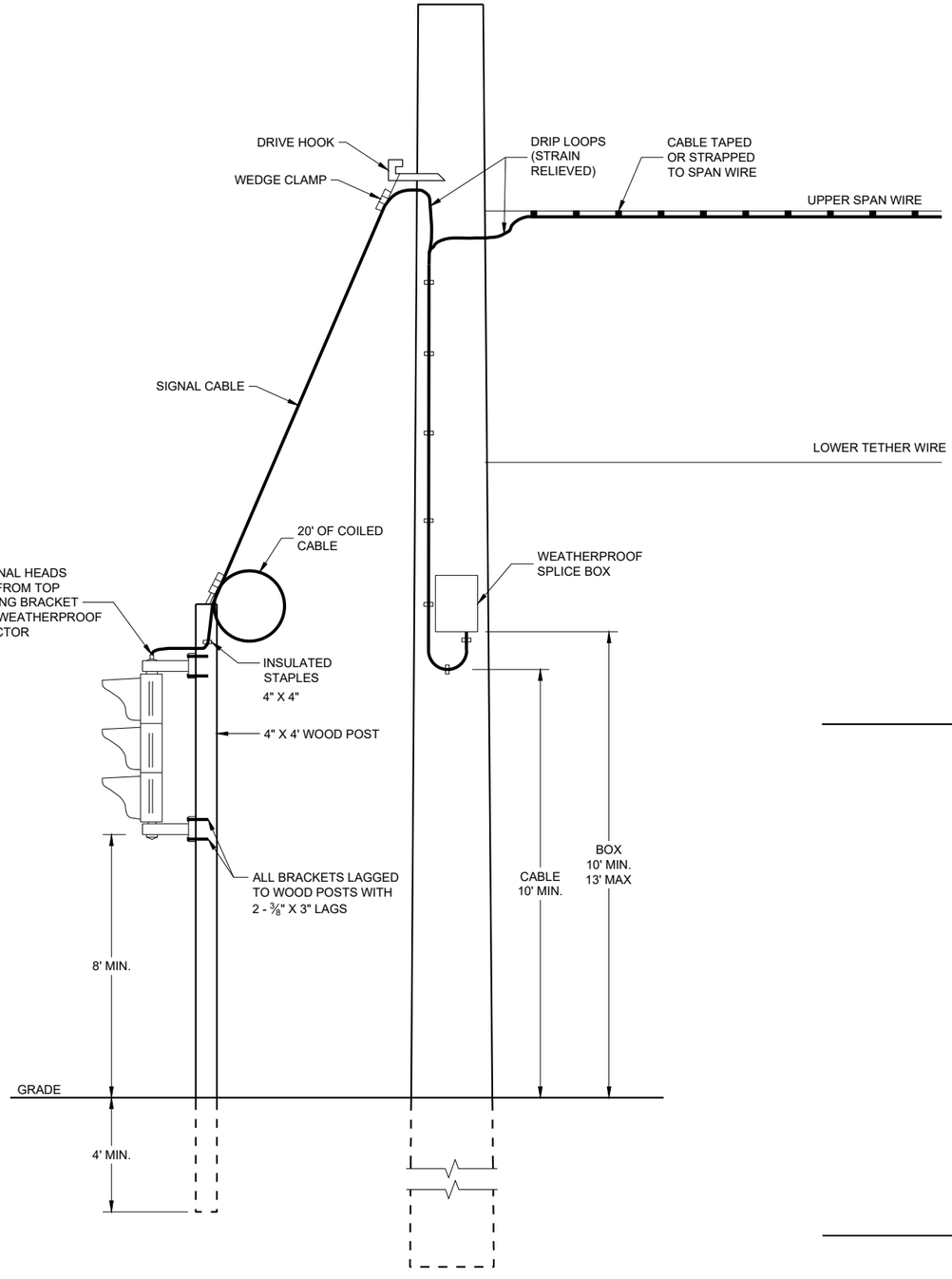
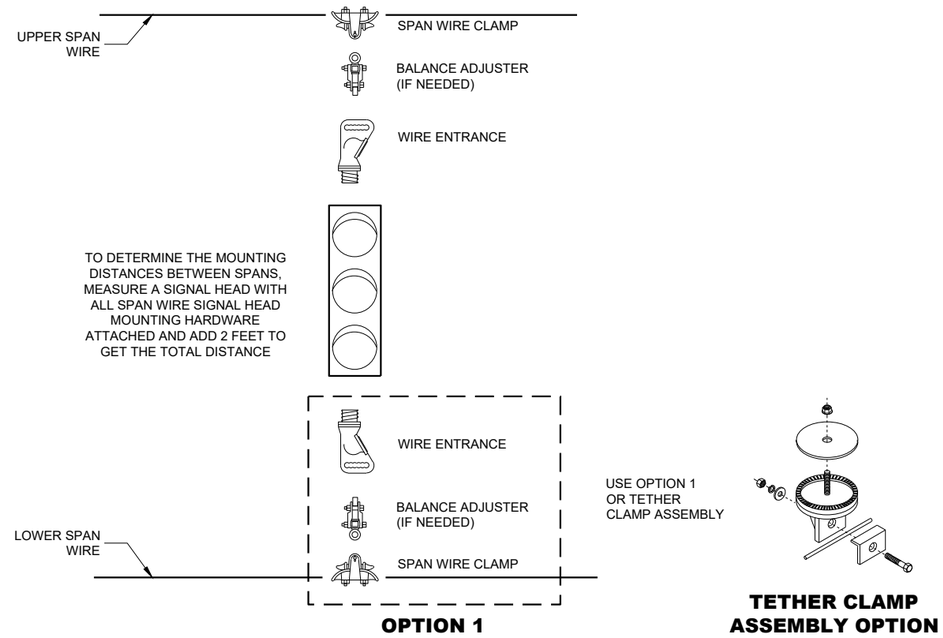


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

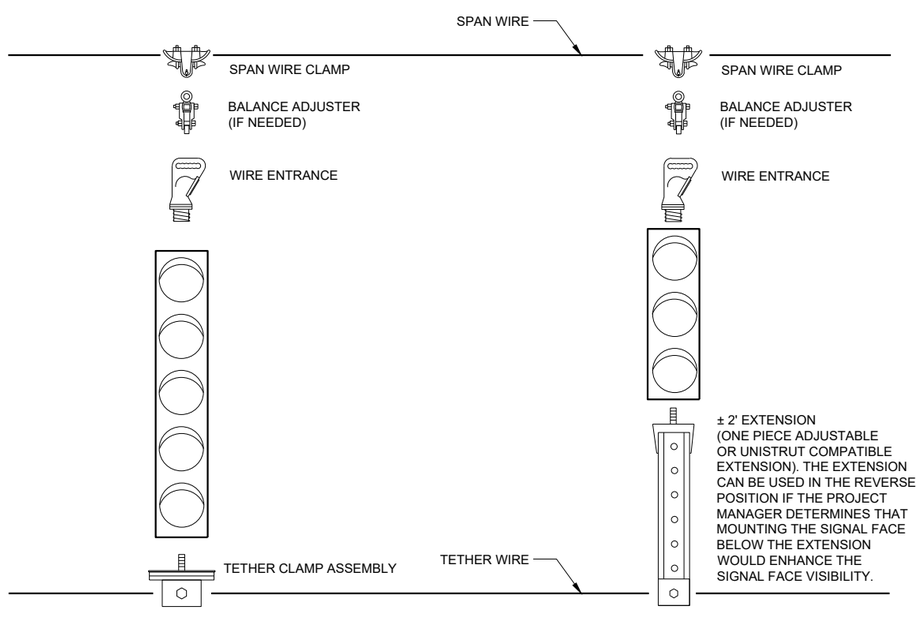


OPTION 1

USE OPTION 1 OR TETHER CLAMP ASSEMBLY

TETHER CLAMP ASSEMBLY OPTION

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

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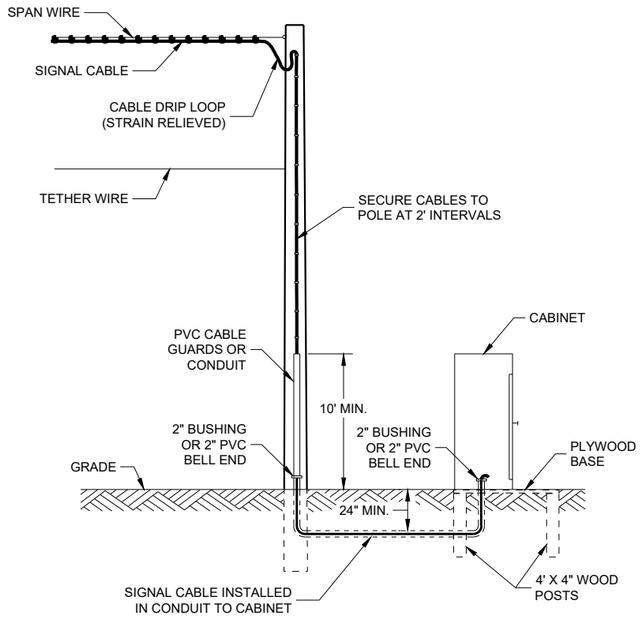
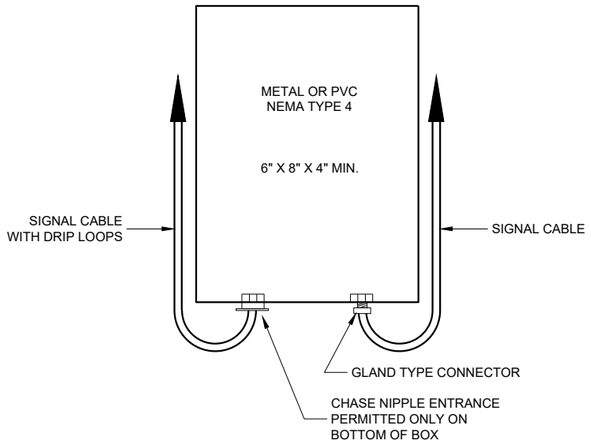
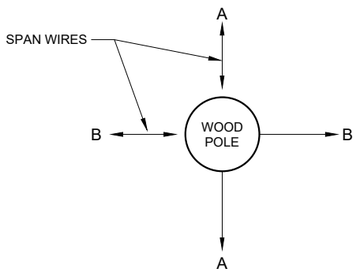




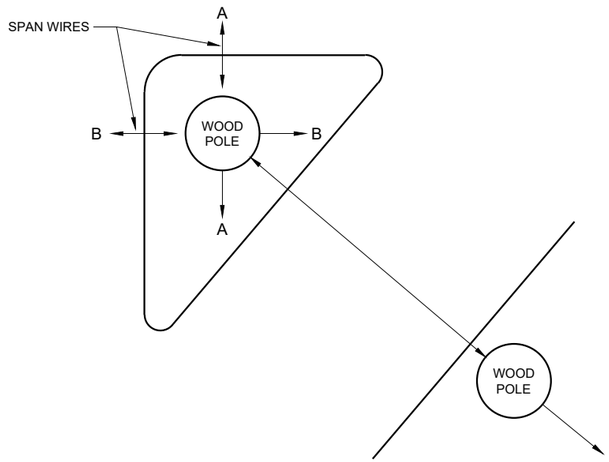
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

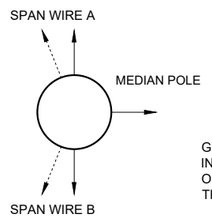


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

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

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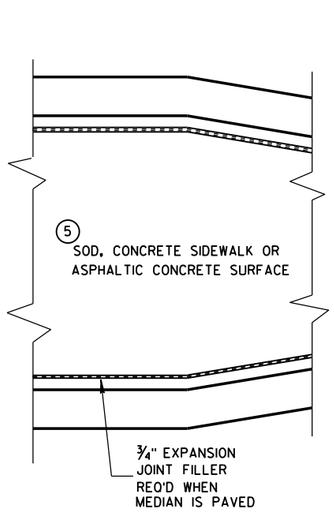
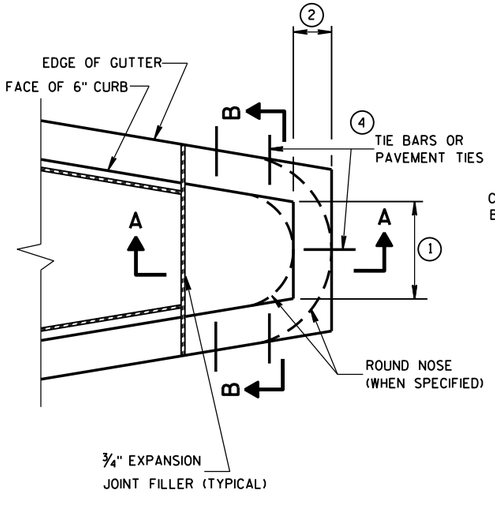
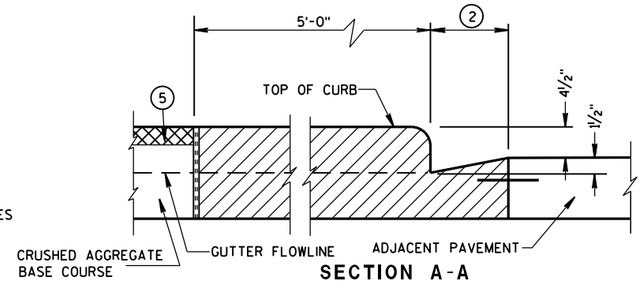
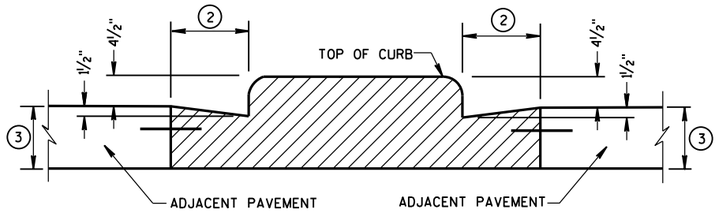






SECTION A-A



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.

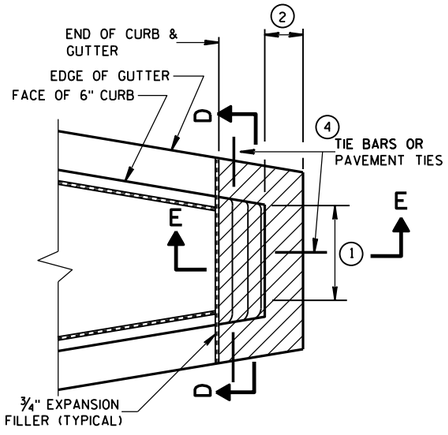
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

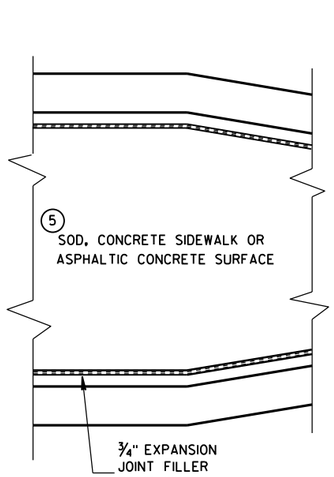
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

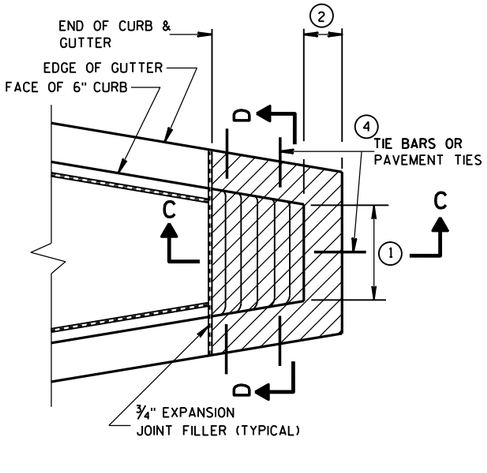
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

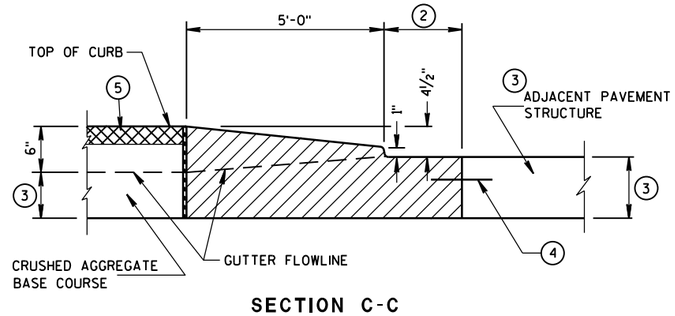
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



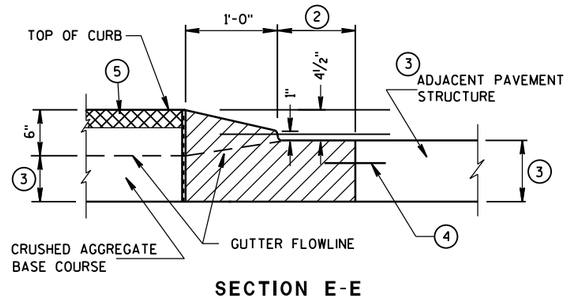




CONCRETE MEDIAN SLOPED NOSE TYPE 1

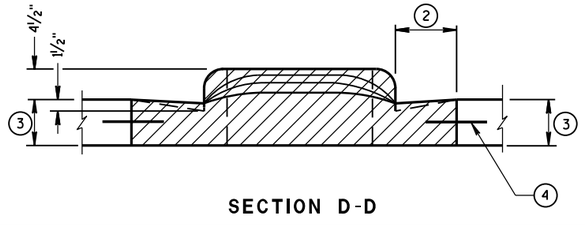


SECTION C-C



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
FHWA

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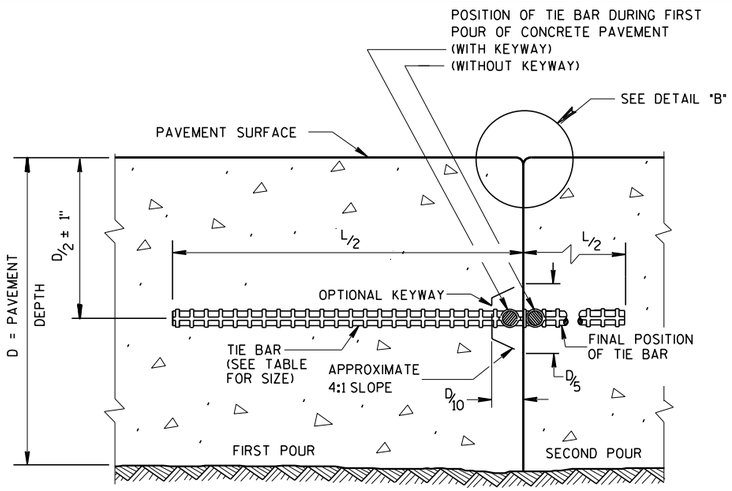
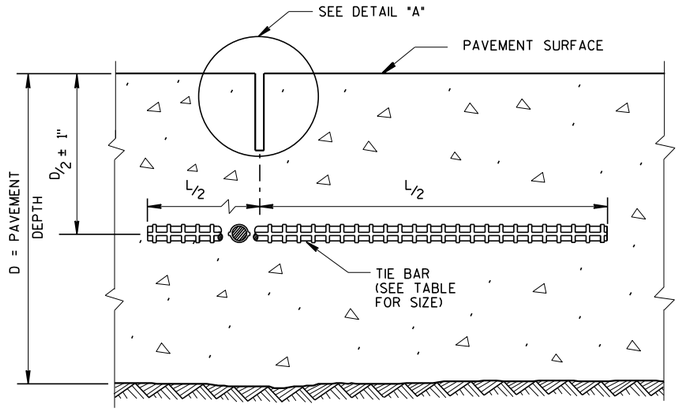
S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

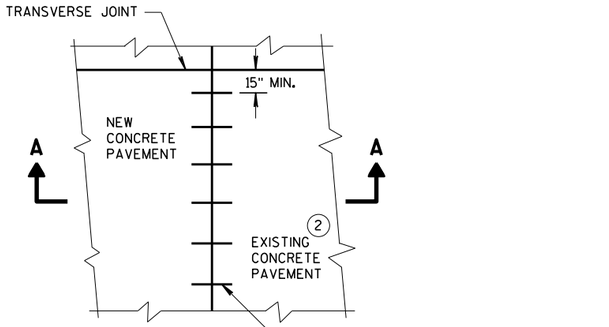
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

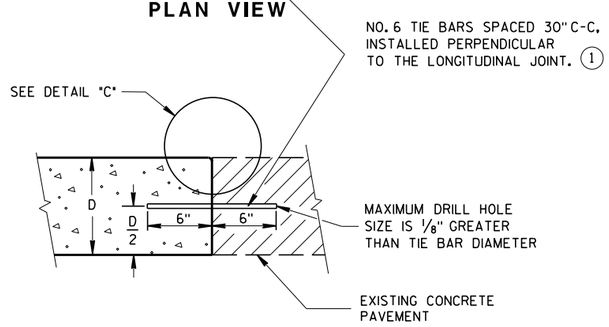
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

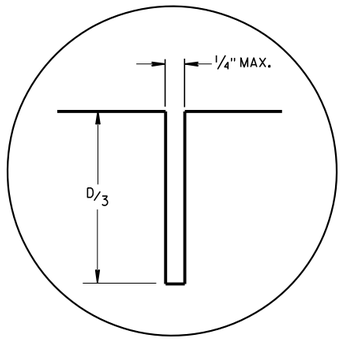


PLAN VIEW

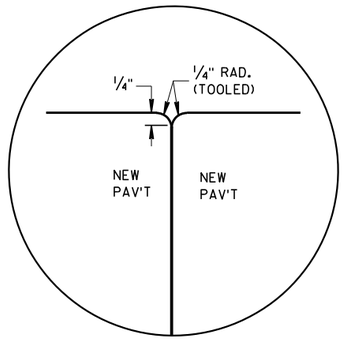


SECTION A-A

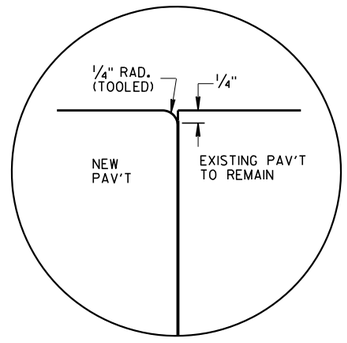
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



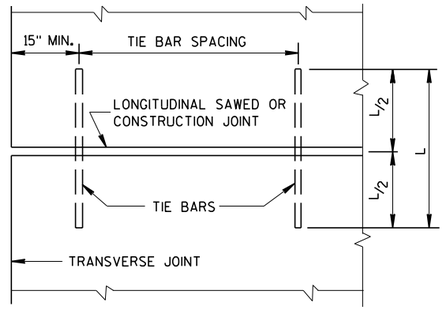
DETAIL "C"

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 P.E. — PAVEMENT SUPE
FHWA

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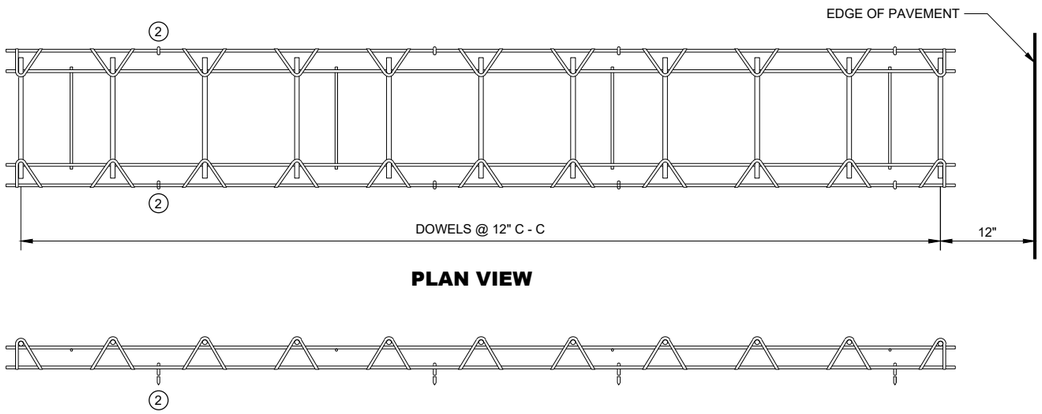
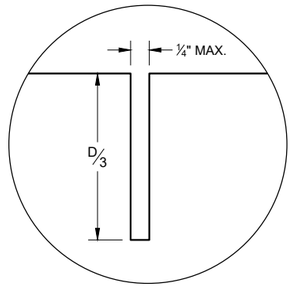
S.D.D. 13 C 1-19



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.

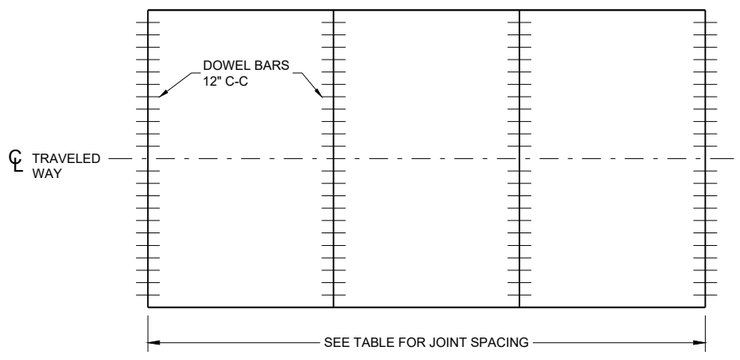
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

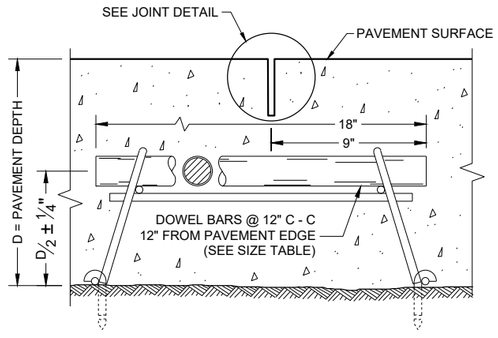
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED 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.



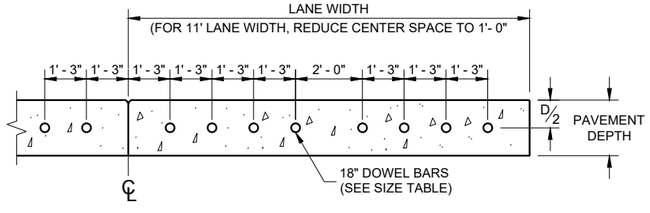
CONTRACTION JOINT LOCATIONS



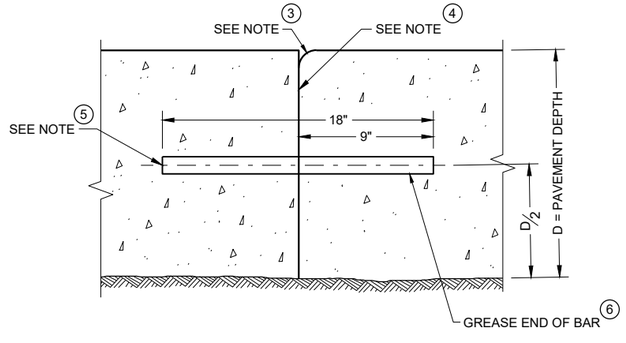
DOWELED CONTRACTION JOINT

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

FHWA

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SDD 13C13 - 11

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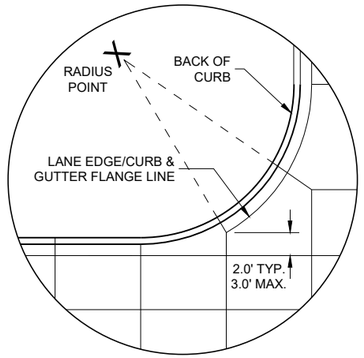
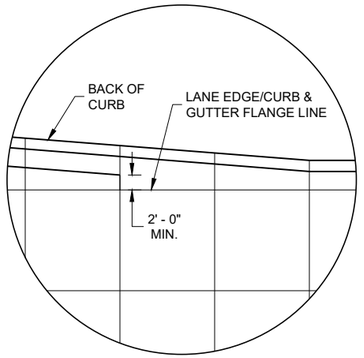
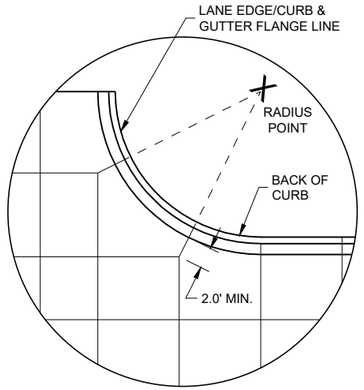


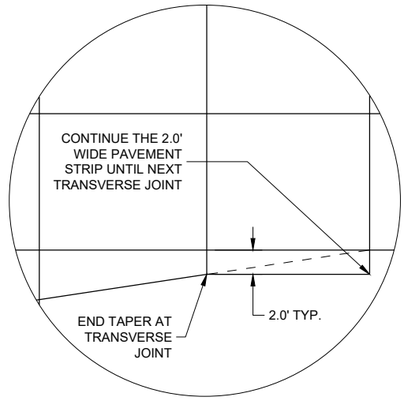
DETAIL "A"



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.

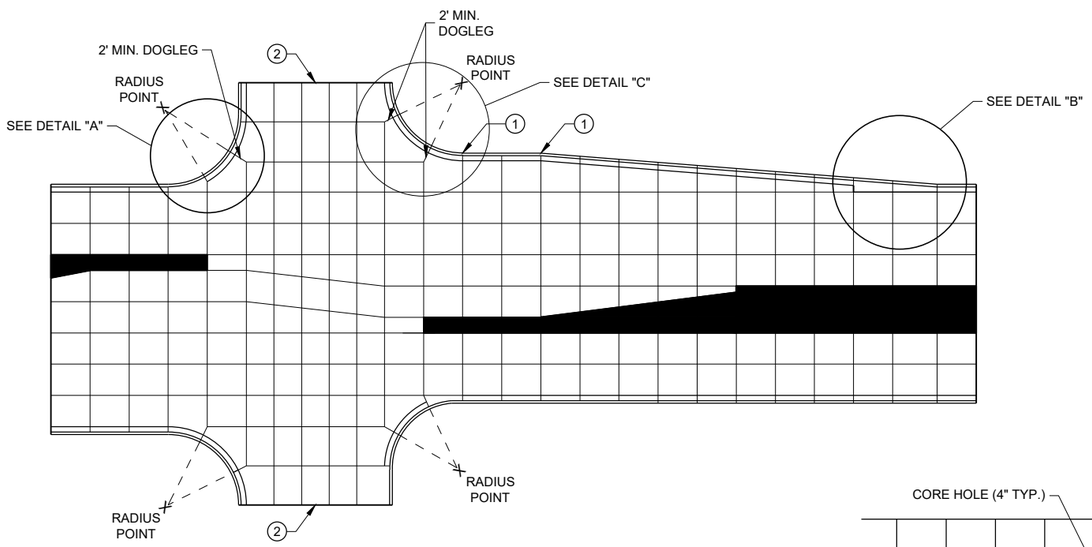
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

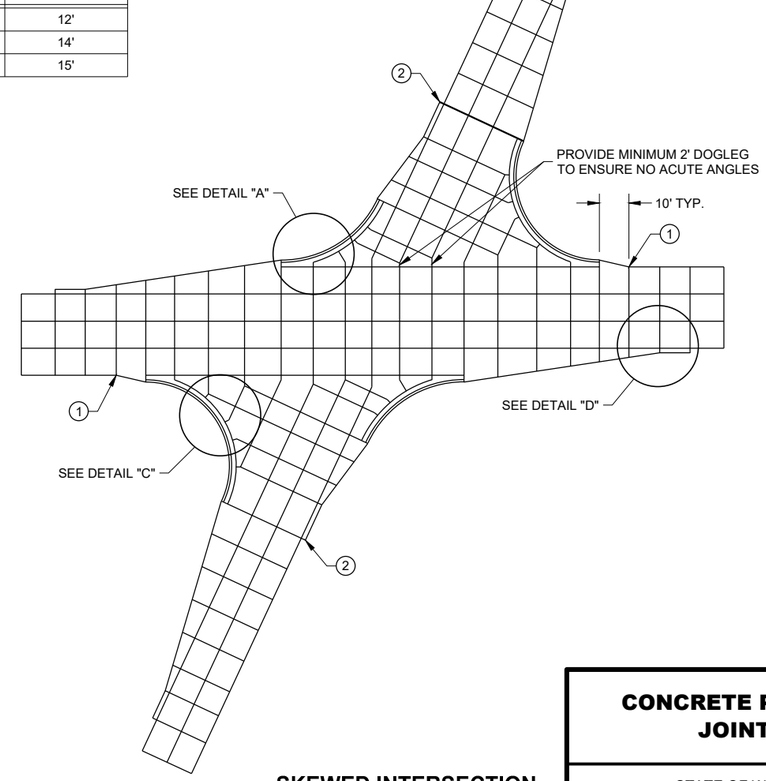
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



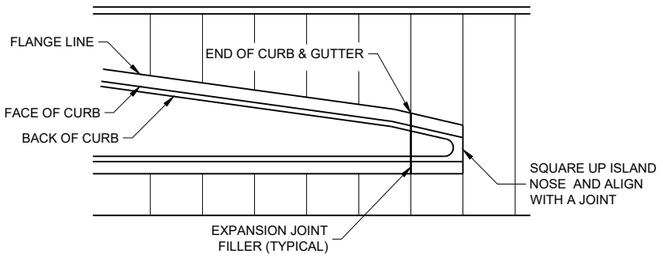
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

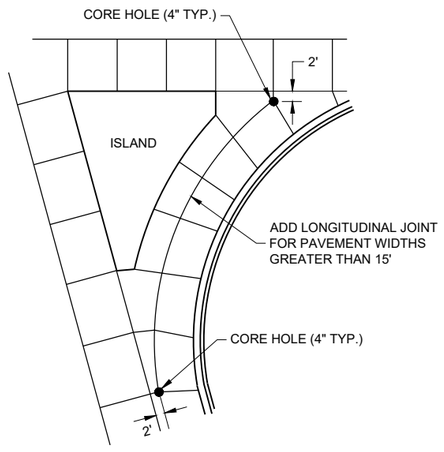
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



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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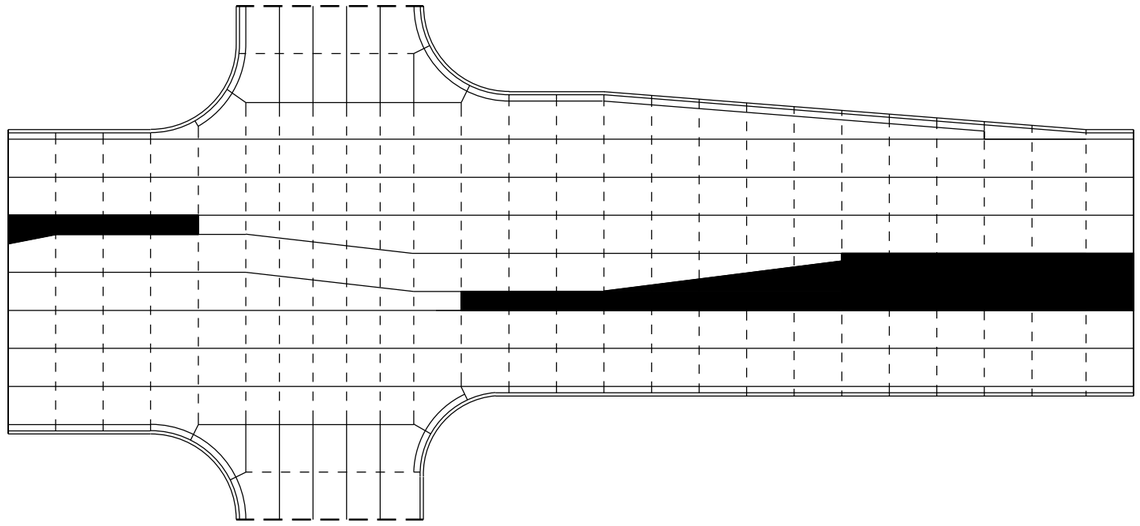
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

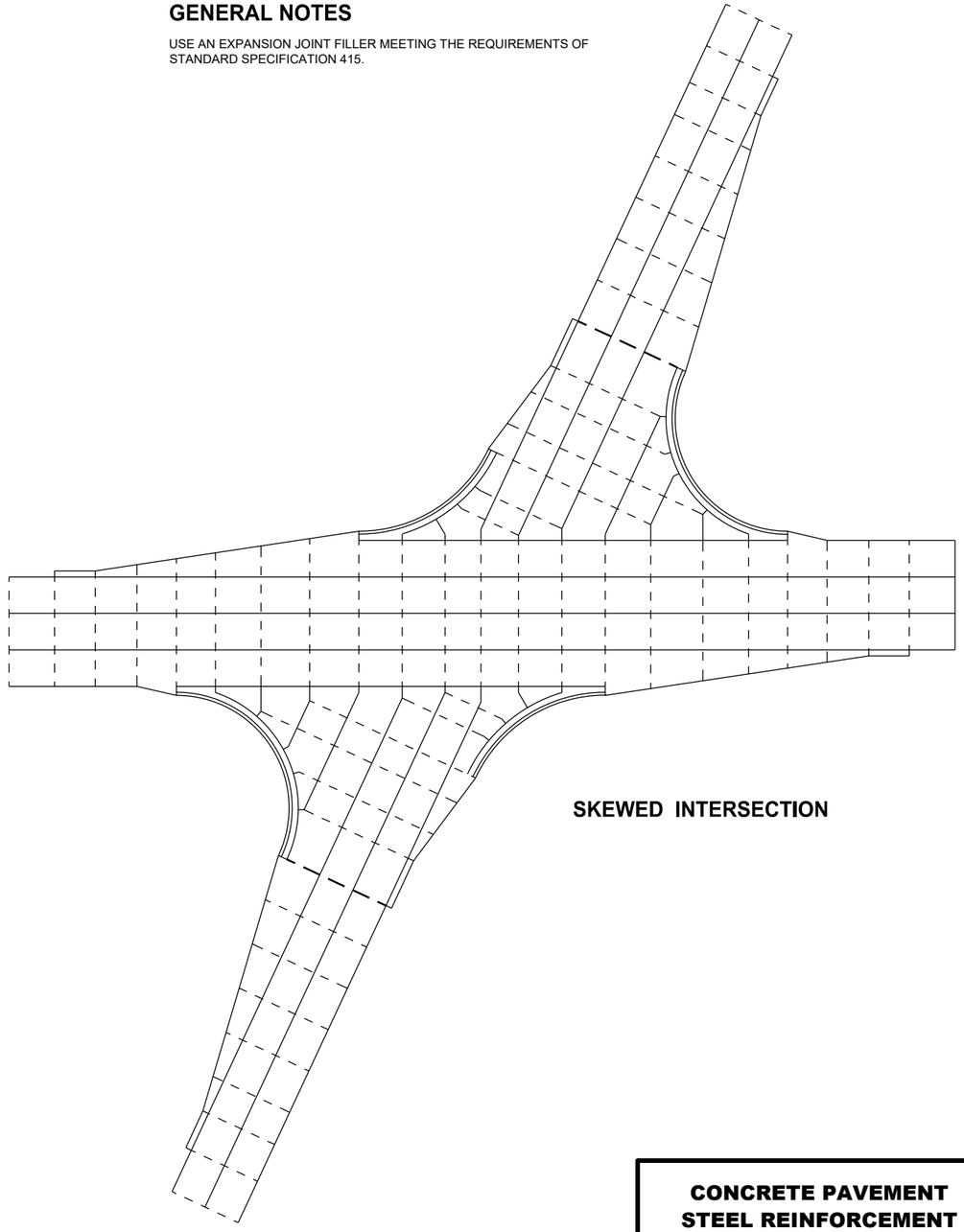
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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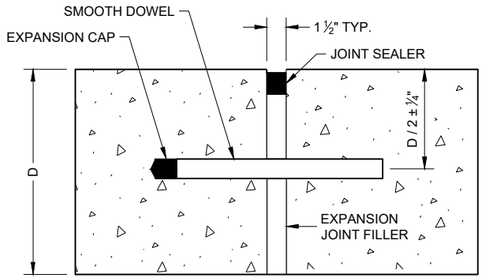
SDD 13C18 - 08b

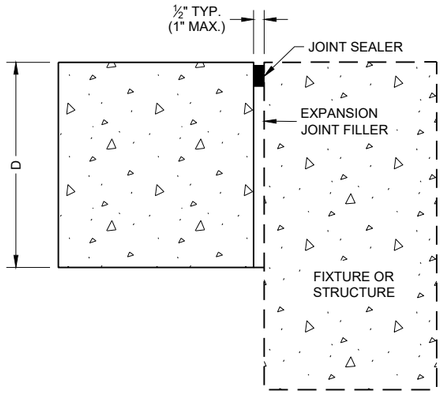
CONCRETE PAVEMENT STEEL REINFORCEMENT

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

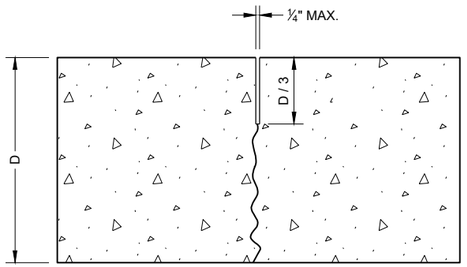
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

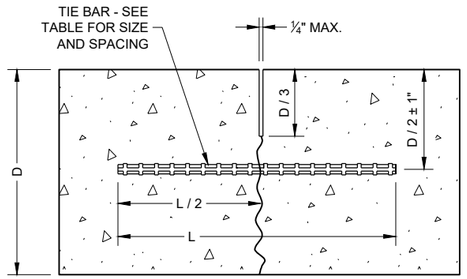
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

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.



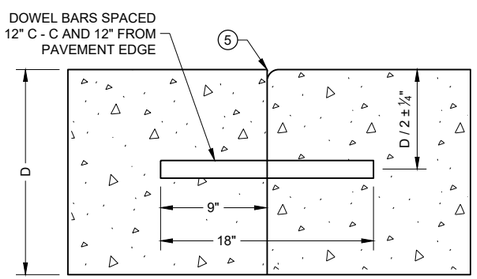
UNDOWELED TRANSVERSE



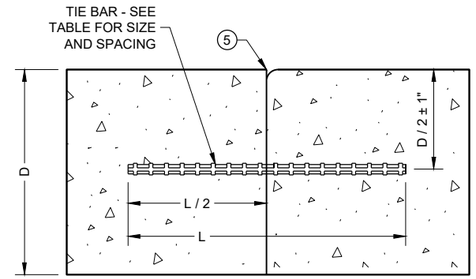
TIED LONGITUDINAL

DOWELED TRANSVERSE

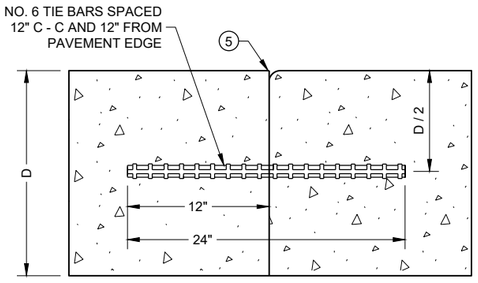
CONTRACTION JOINTS (2)



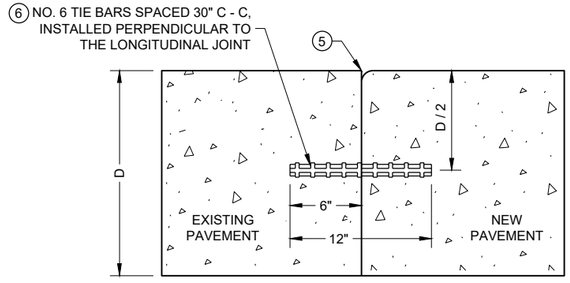
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

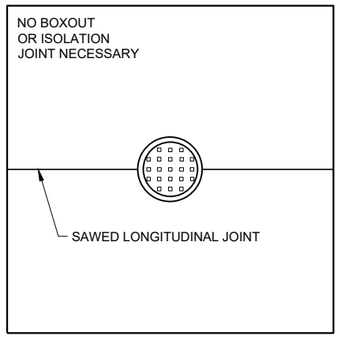
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

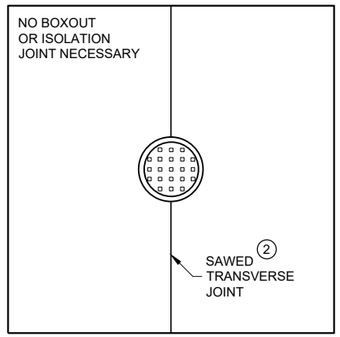
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

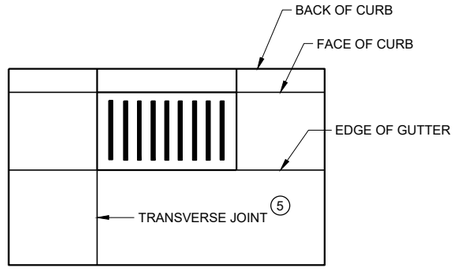
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



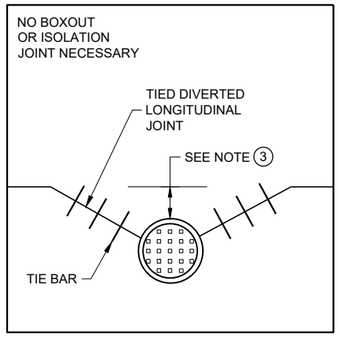
MANHOLE WITH TRANSVERSE JOINT



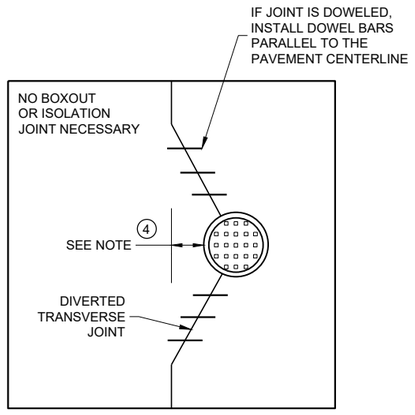
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

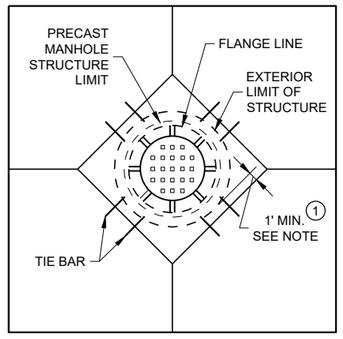
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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 SUPERVIS

FHWA

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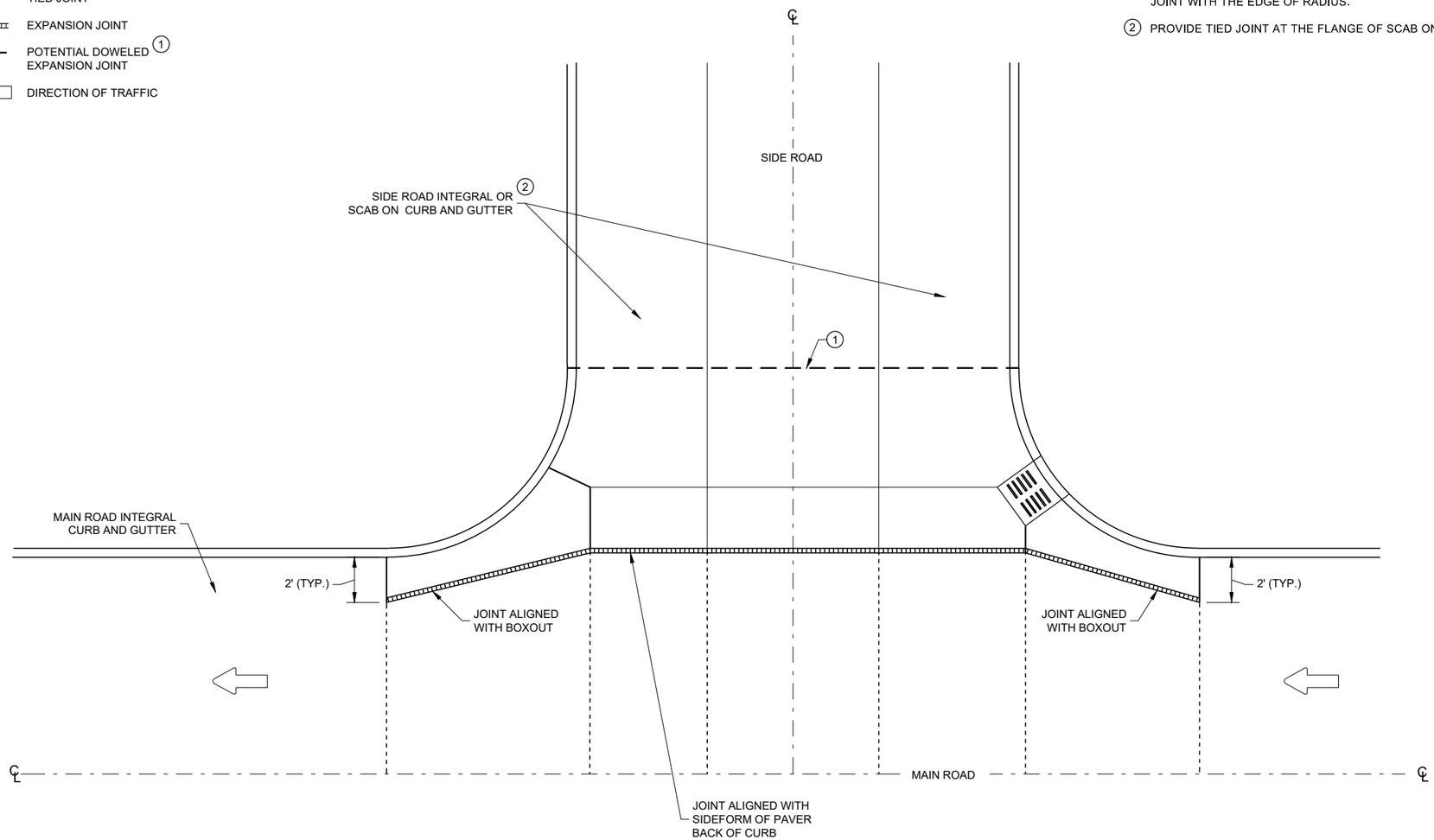
SDD13C18 - 08d

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

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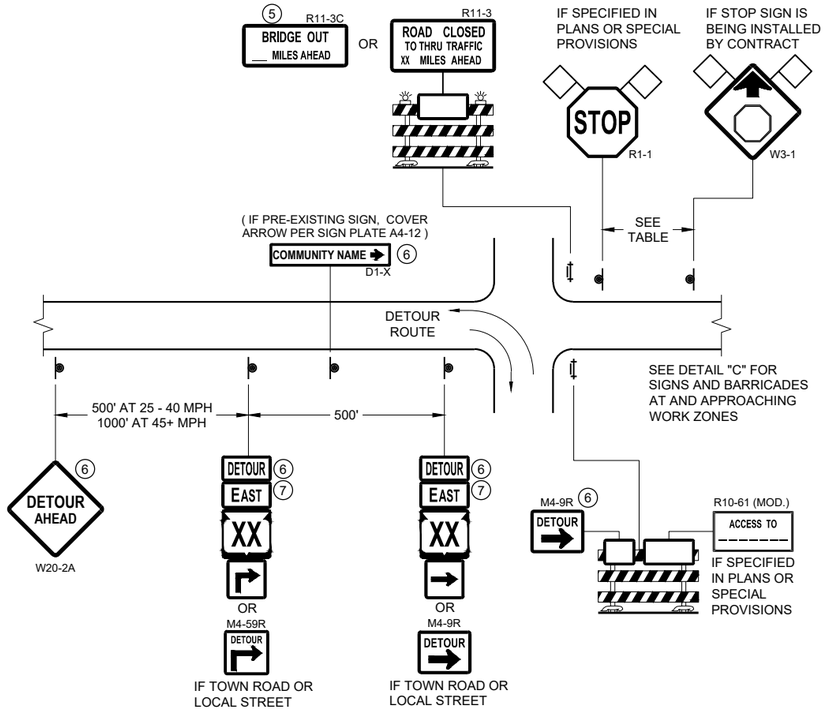
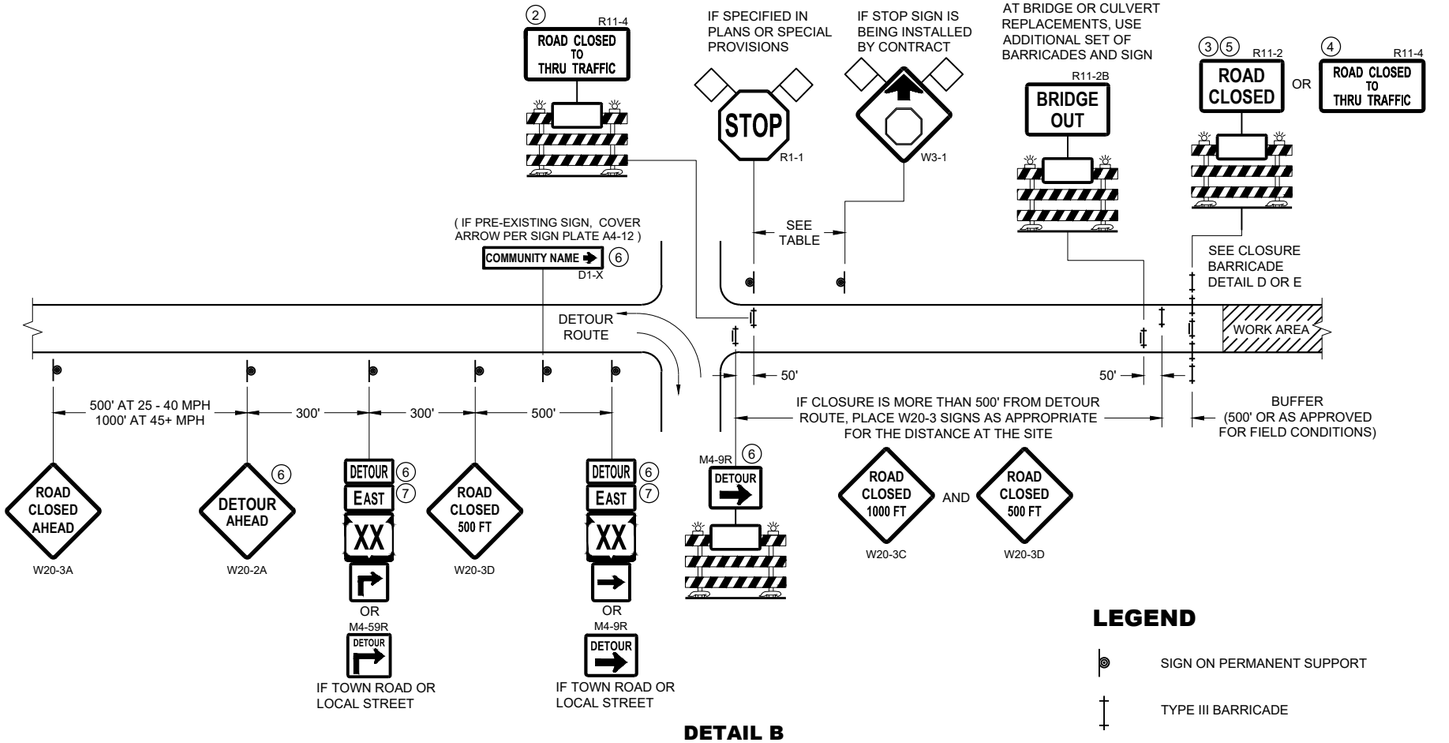


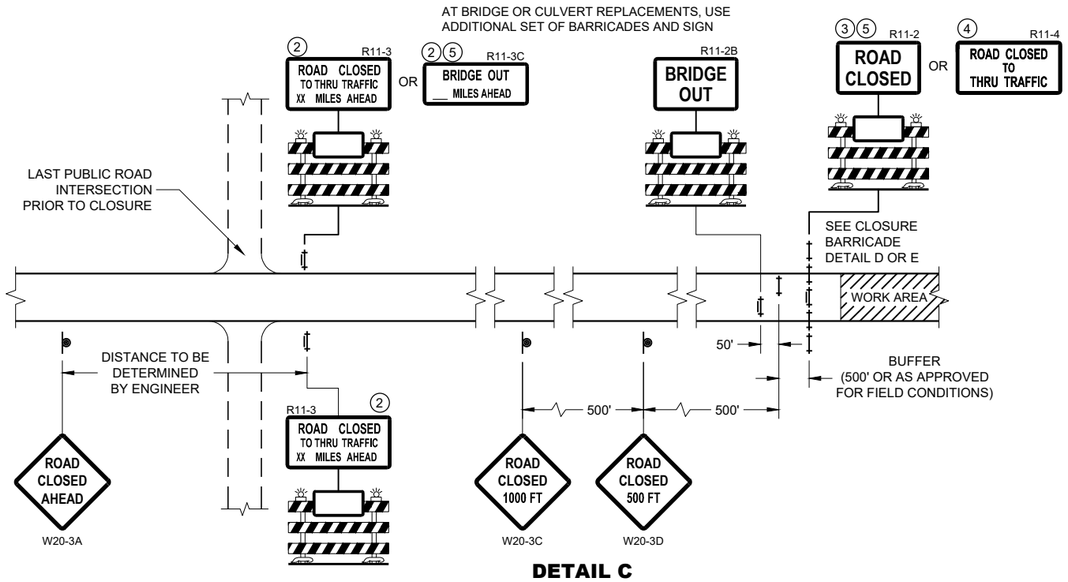
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b" FOR GENERAL NOTES AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C02 - 09a

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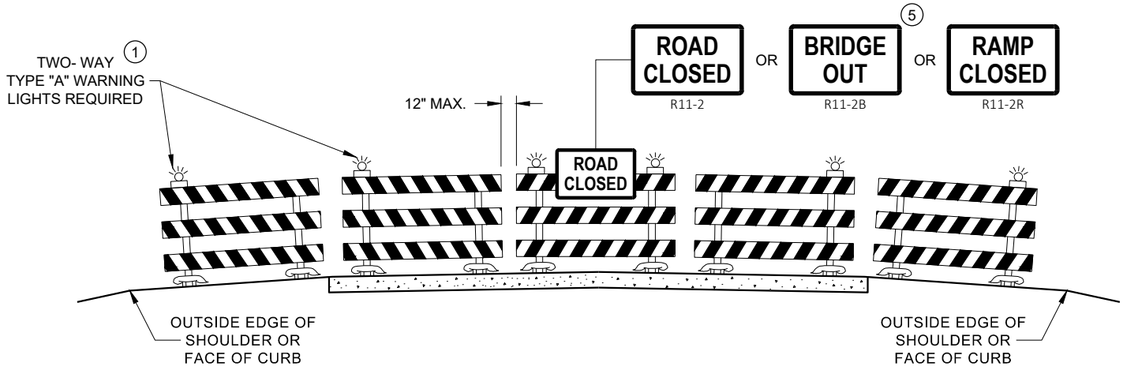
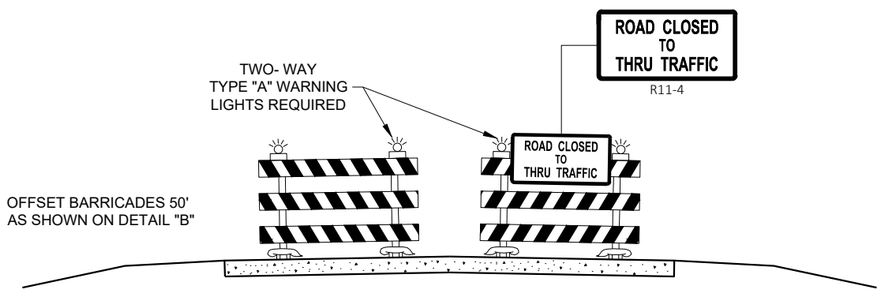
SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

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 TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

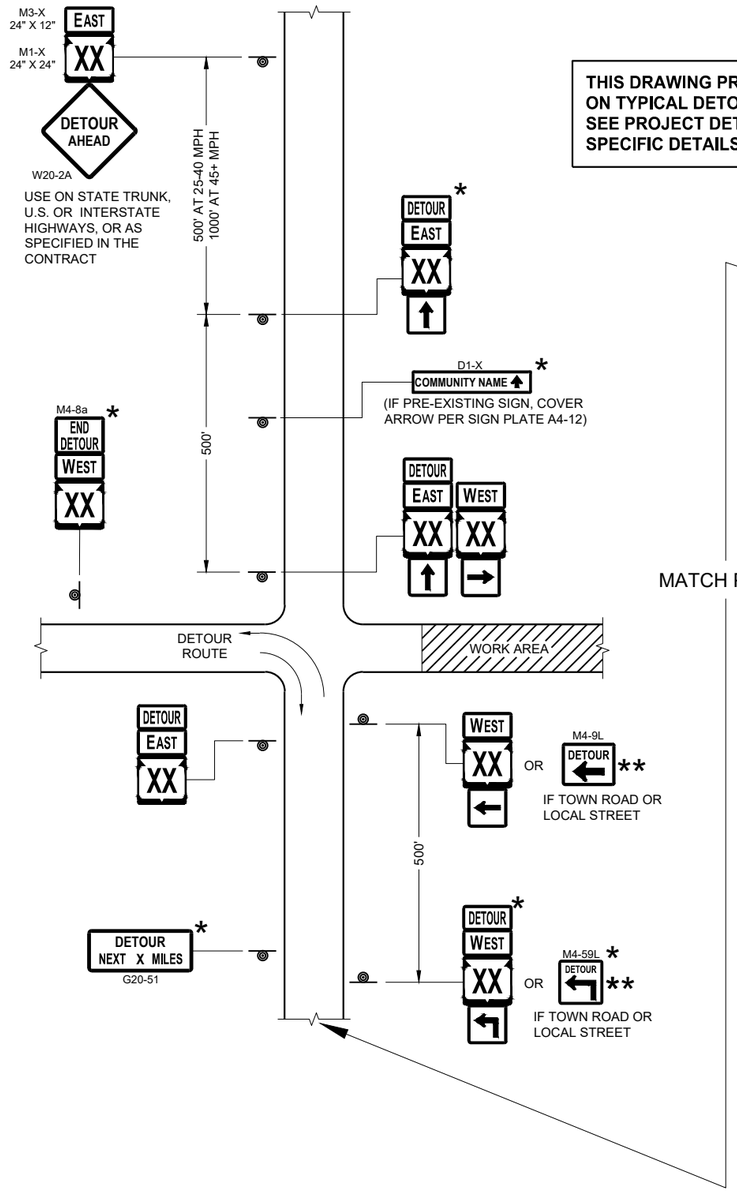
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

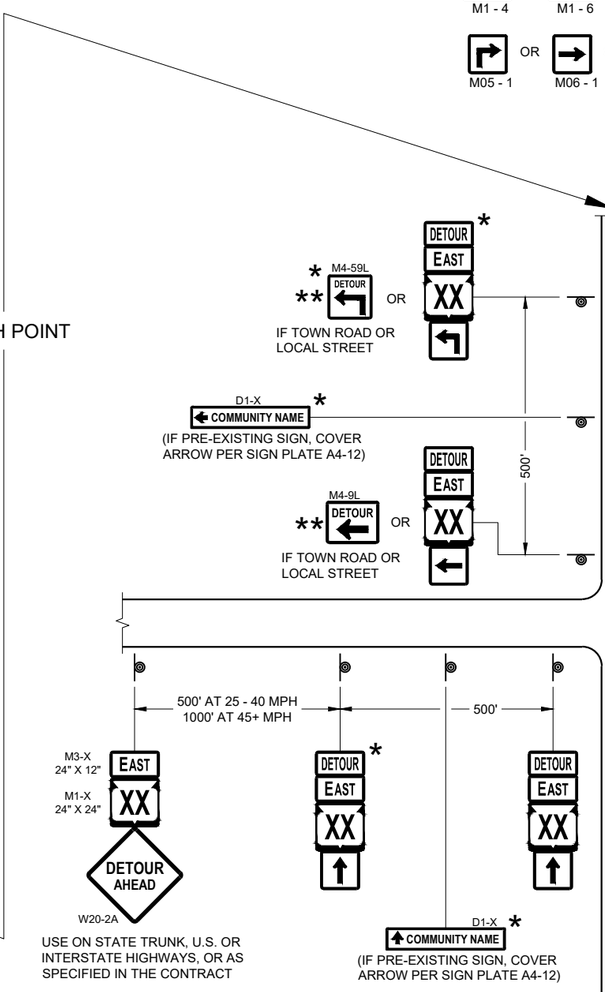
SIGN SIZES SHALL BE AS FOLLOWS:

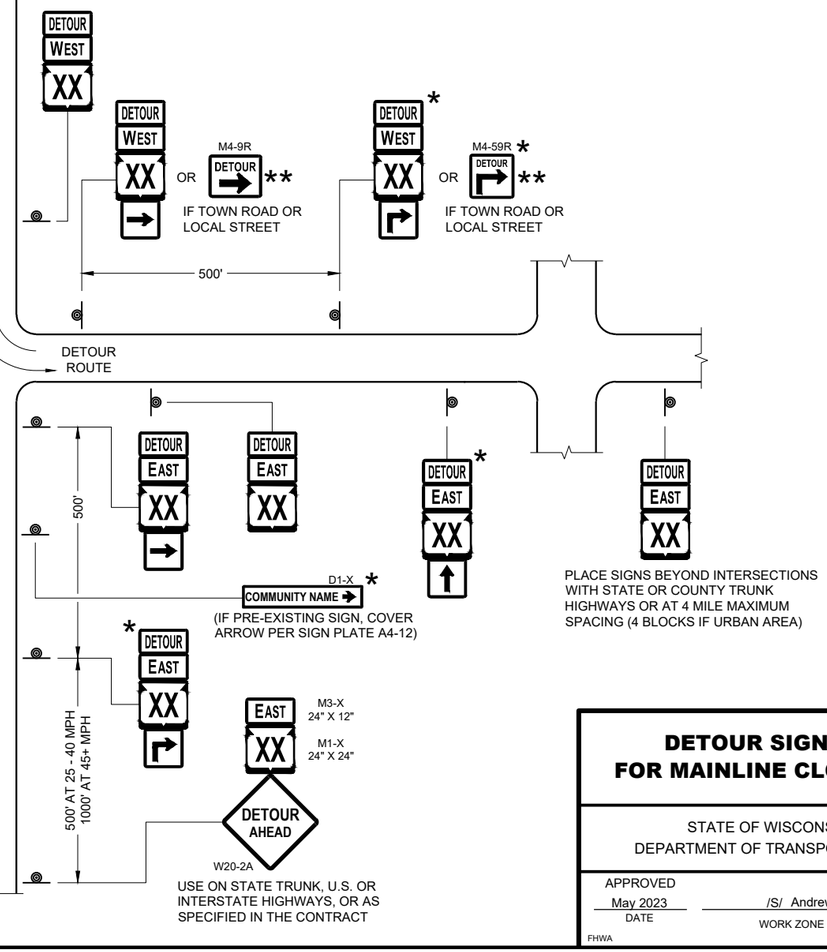
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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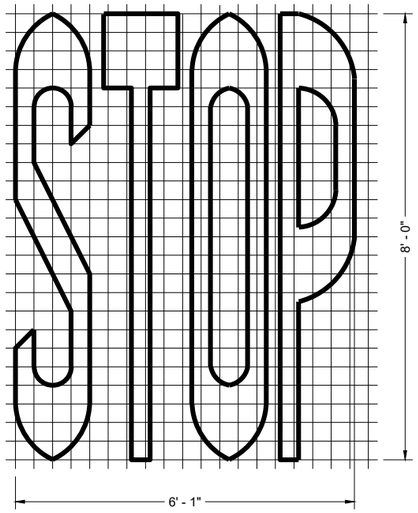
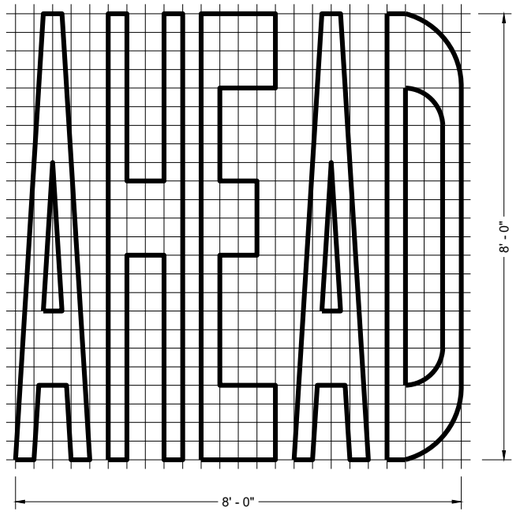
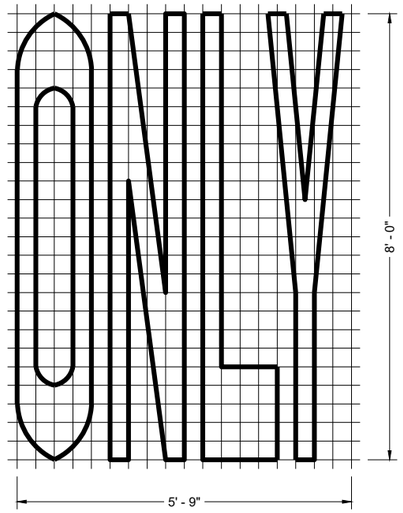
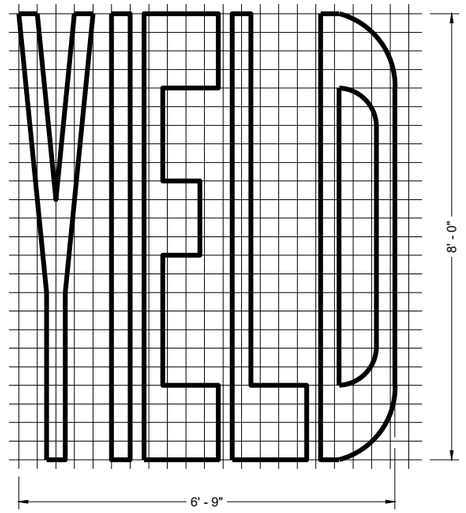
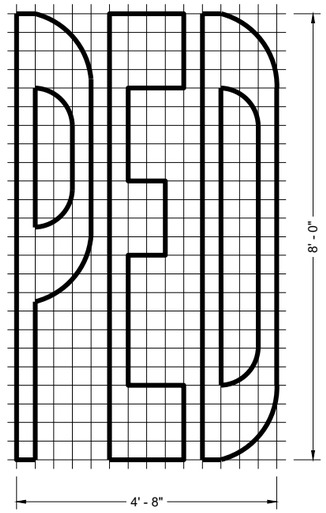
SDD 15C02 - 09c

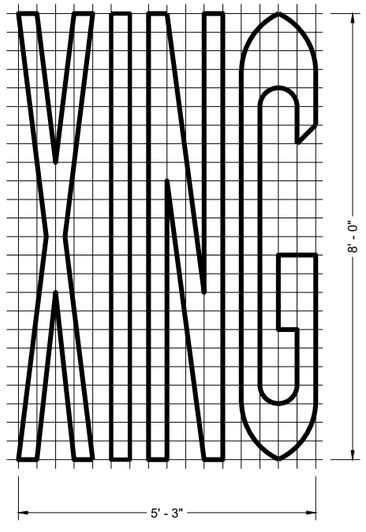


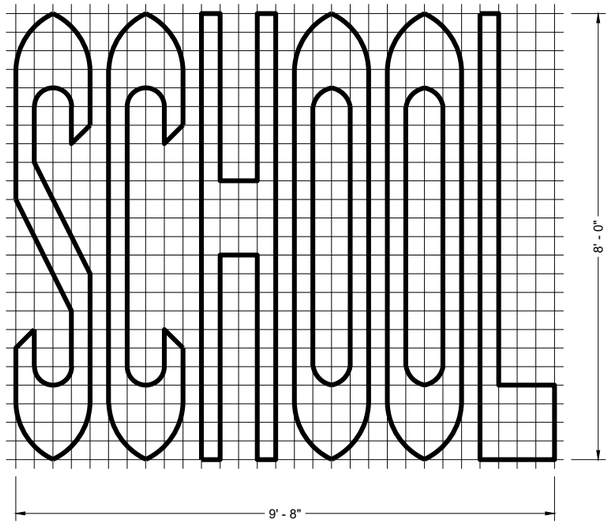




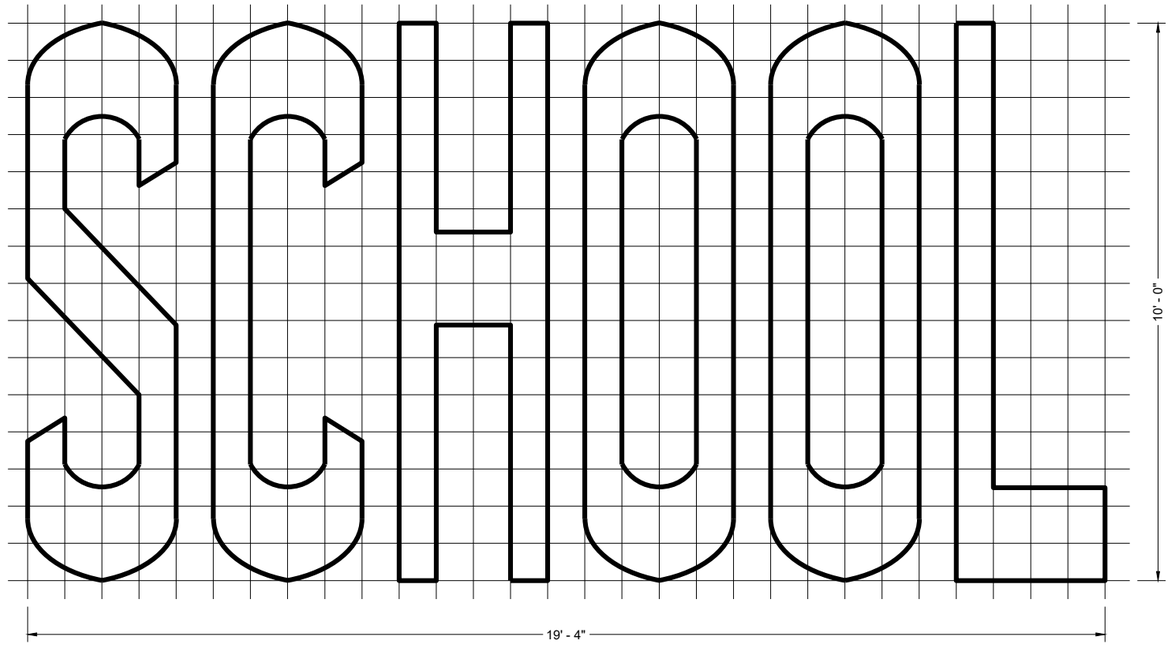








SINGLE LANE



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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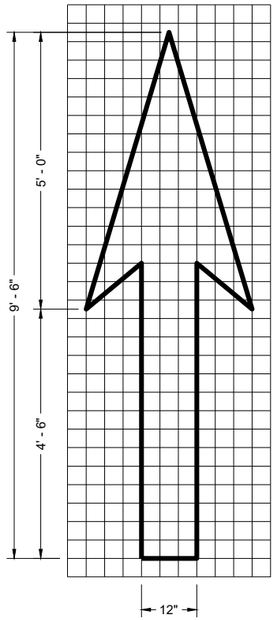
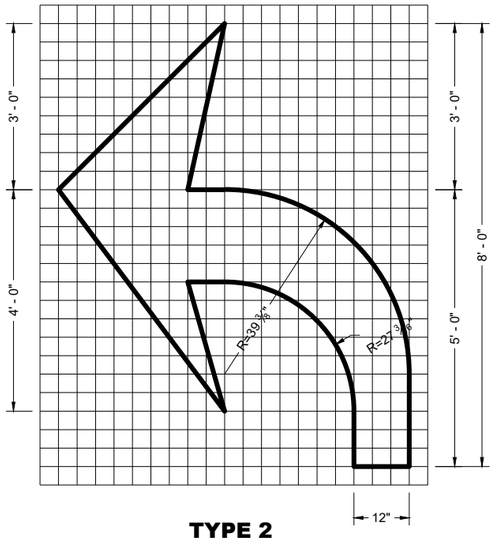
SDD 15C07-16b

SDD 15C07-16b



TYPE 1



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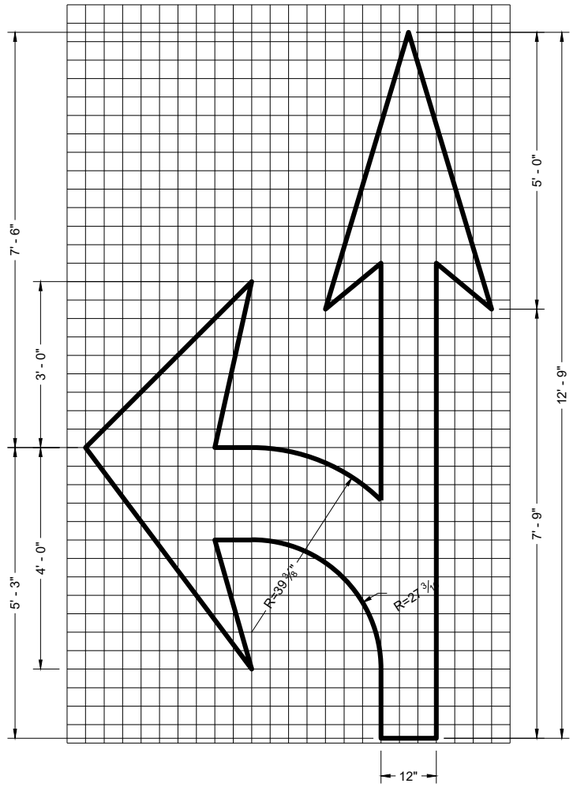
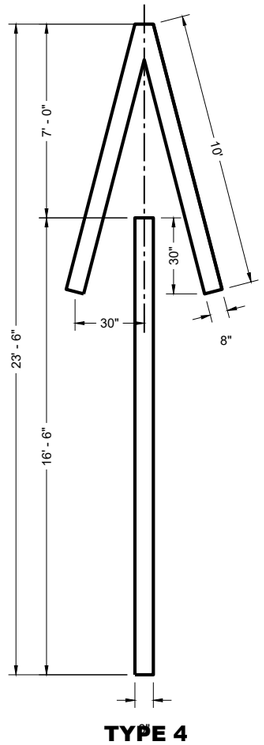


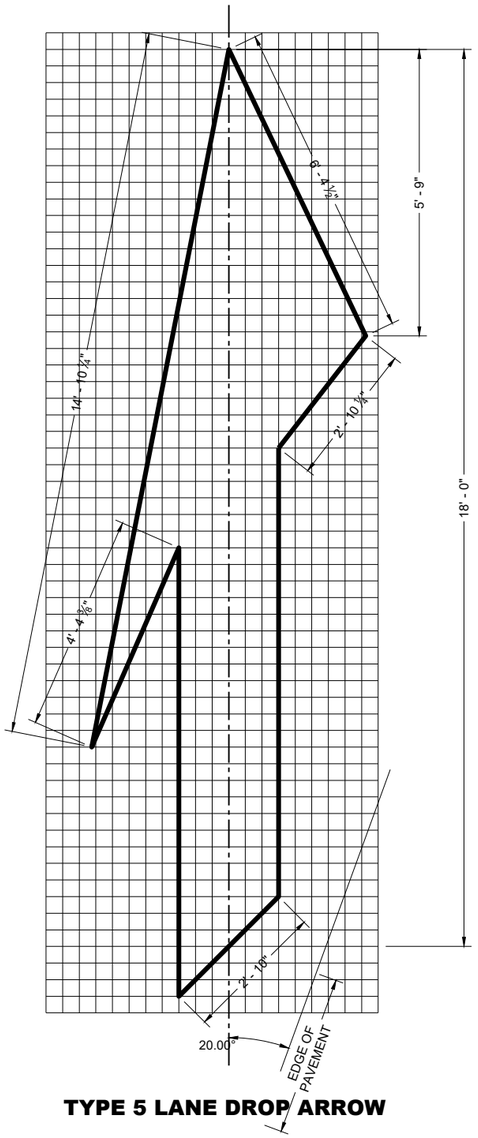
TYPE 3

GENERAL NOTES

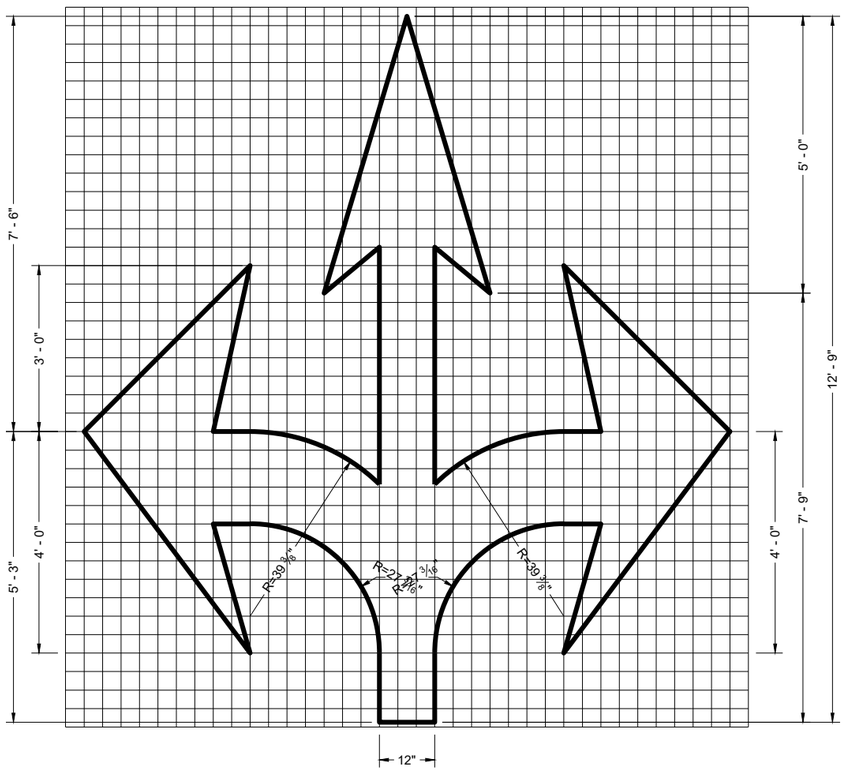
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



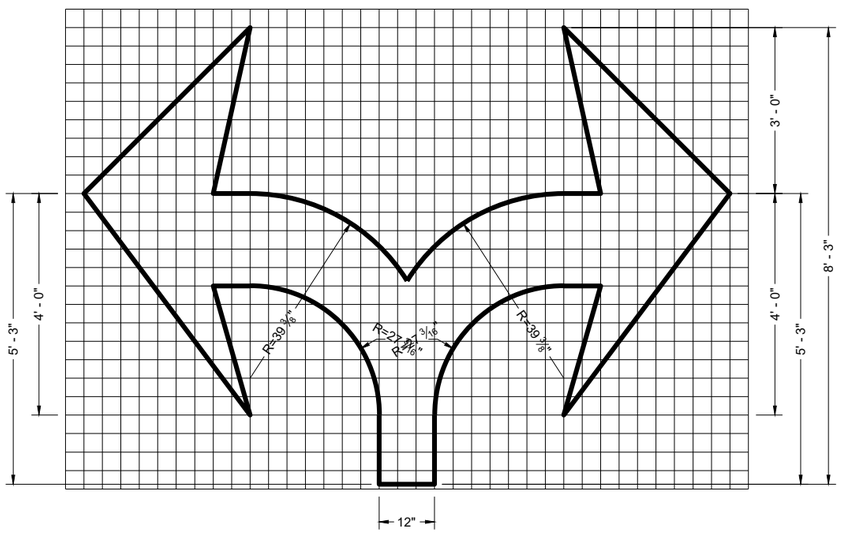
TYPE 4



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

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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.

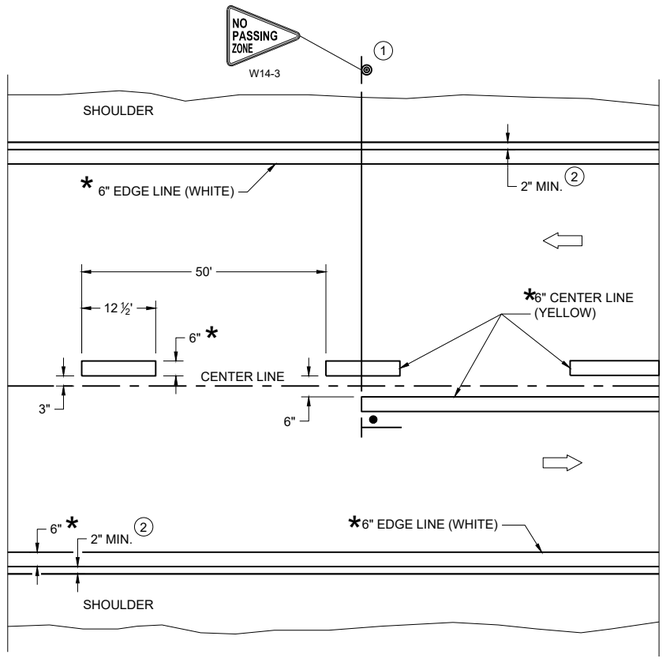
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

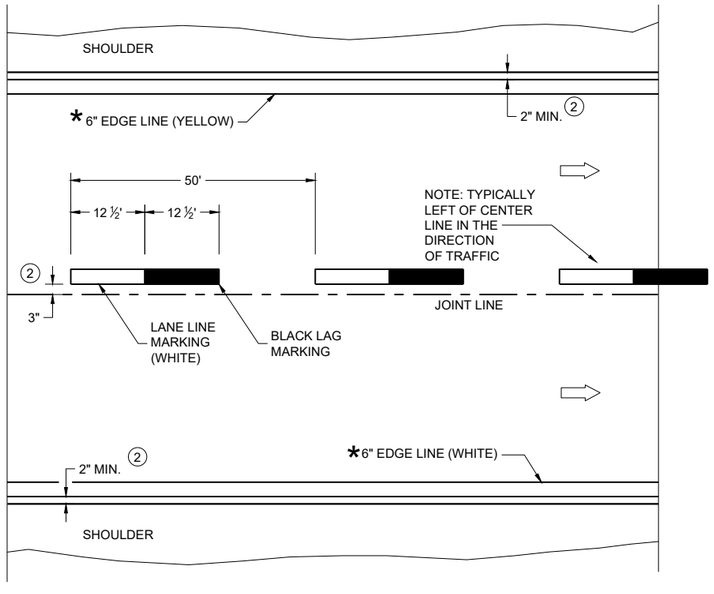
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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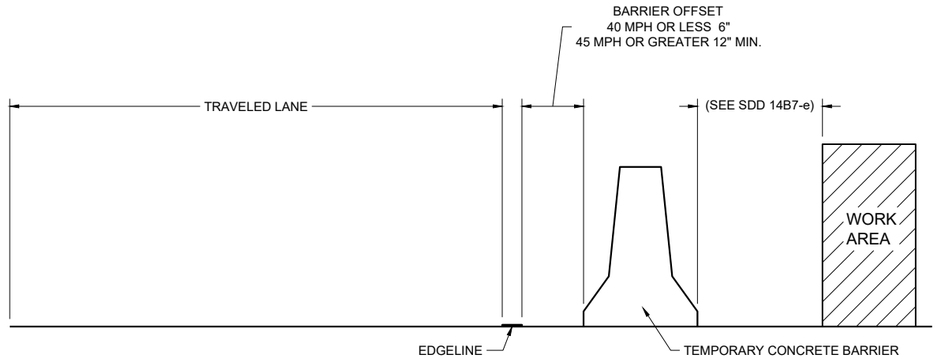
SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

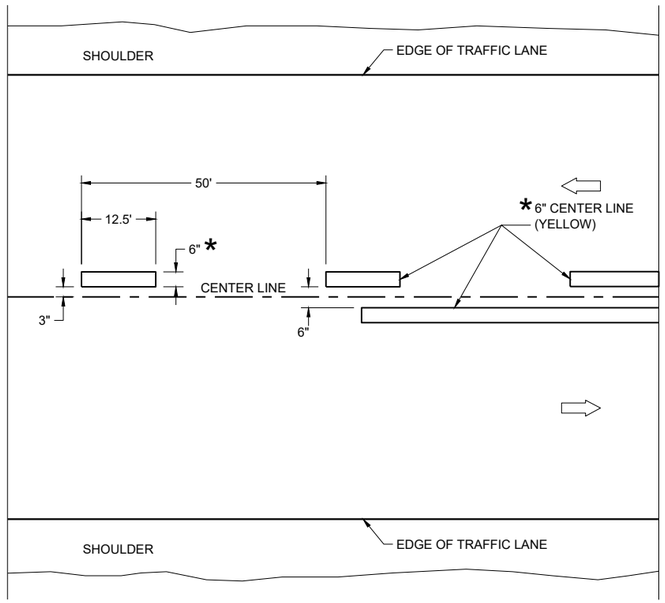
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

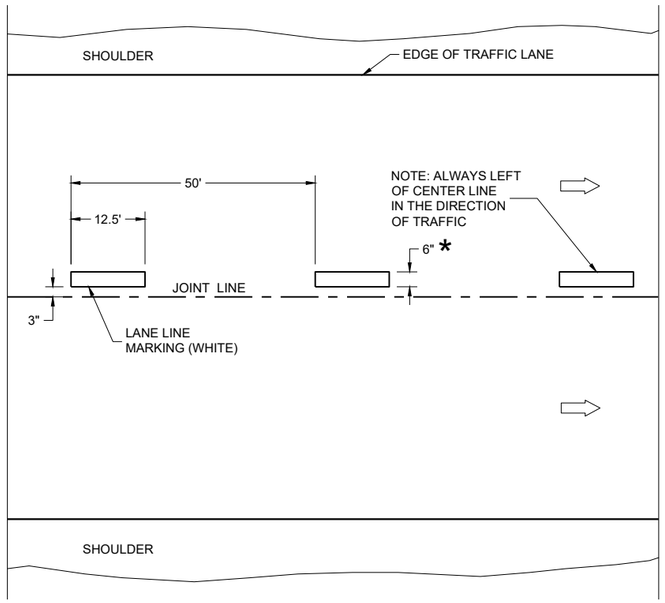
LEGEND

DIRECTION OF TRAFFIC

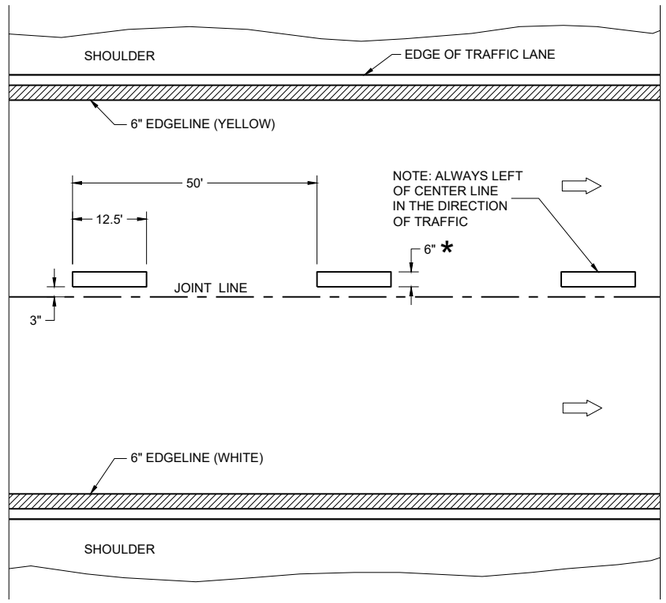
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



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

FHWA

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SDD 15C08-24b

6

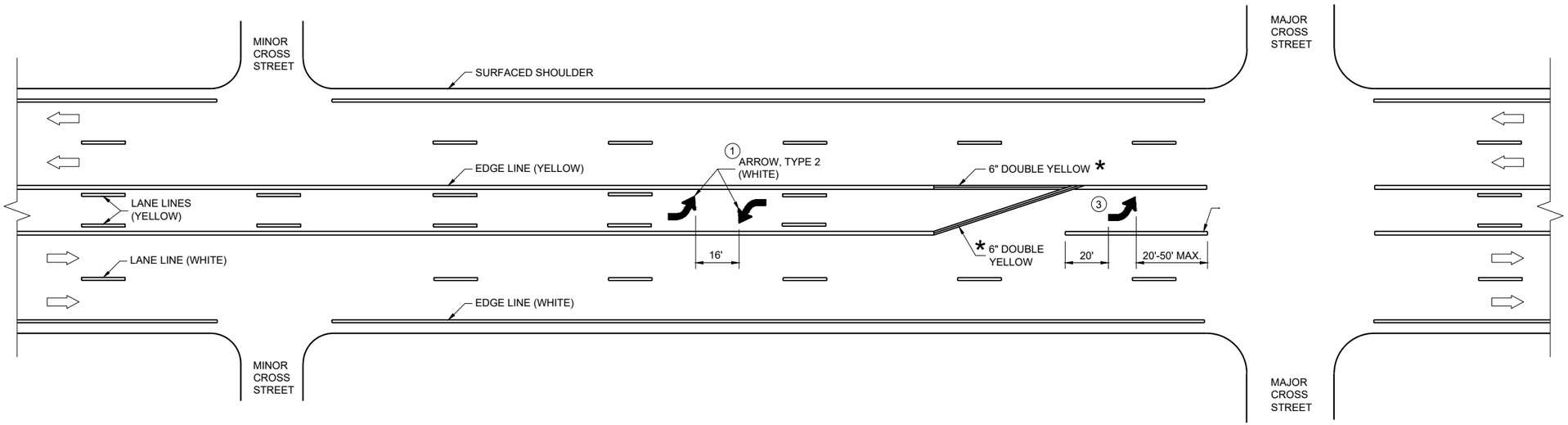
SDD 15C08-24b

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



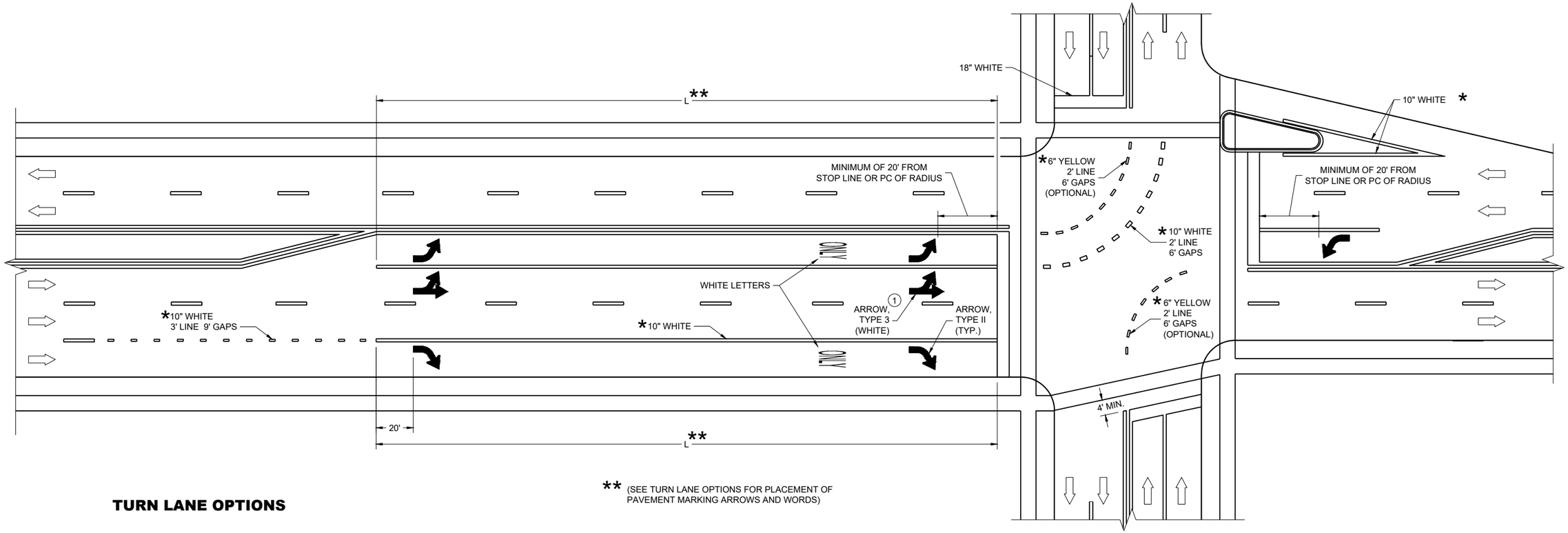
TWO WAY LEFT TURN LANE

6

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

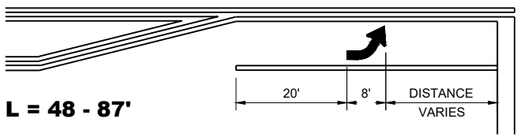
SDD 15C08-24c



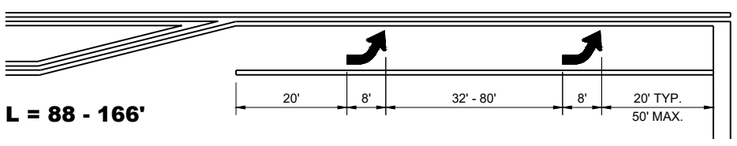
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

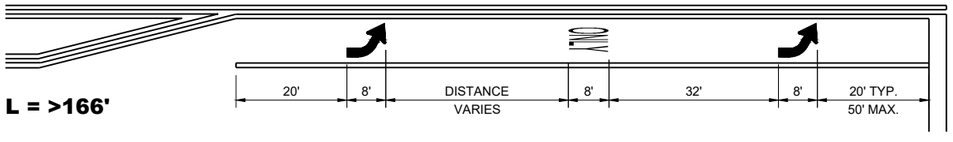
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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.

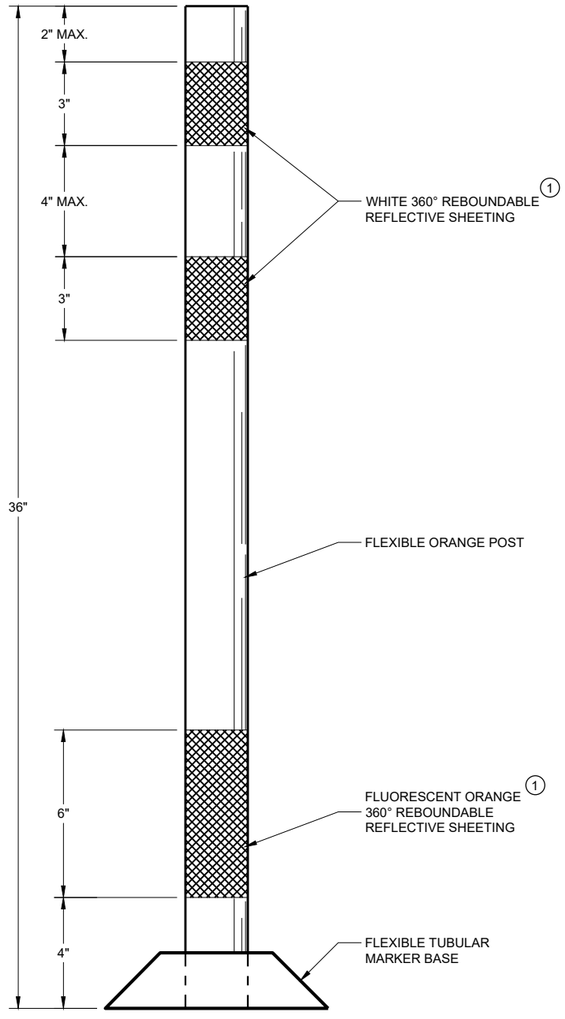
DIRECTION OF TRAFFIC

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

FHWA

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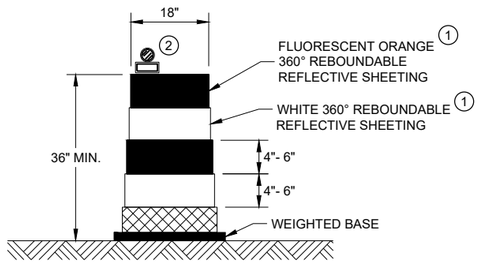
SDD 15C11 - 10a

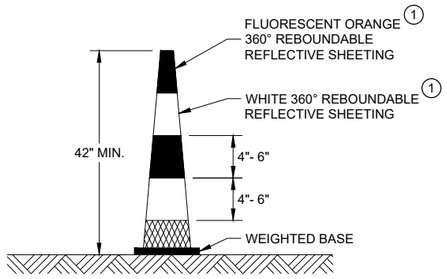
GENERAL NOTES

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

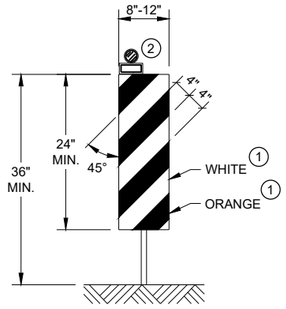
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

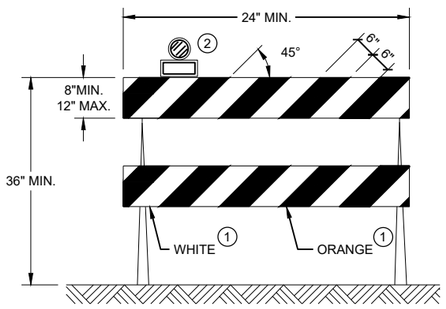
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



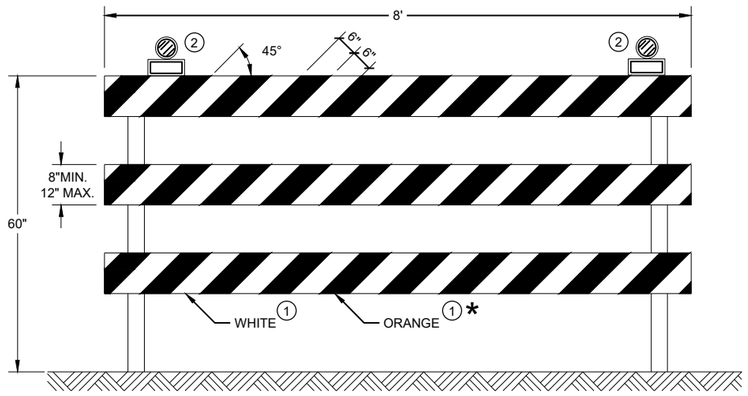
VERTICAL PANEL

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

FHWA

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SDD 15C11 - 10b

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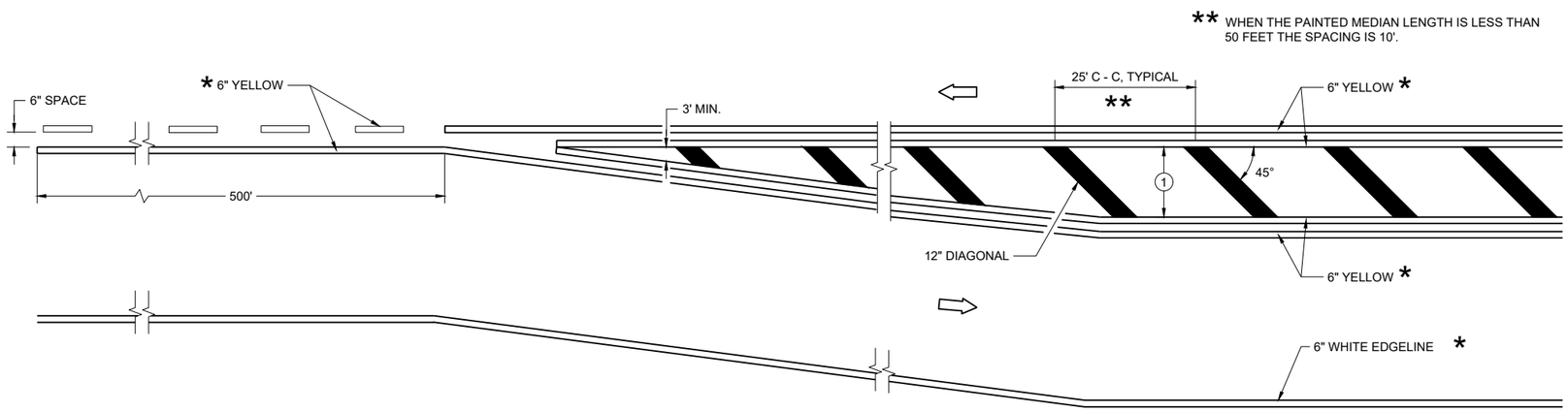
SDD 15C11 - 10b



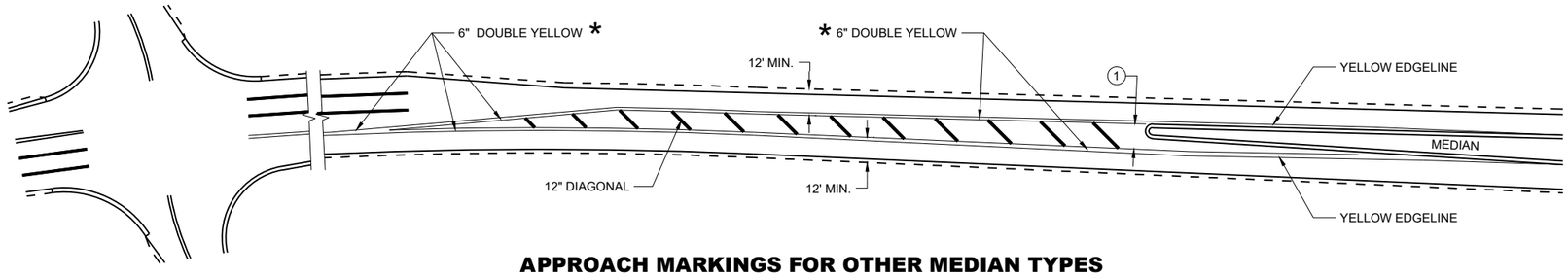
MEDIAN ISLAND DETAIL

GENERAL NOTES

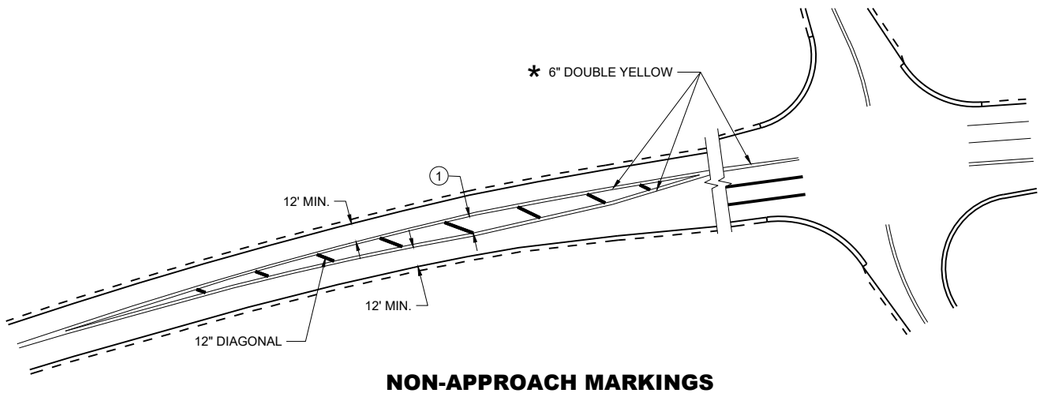
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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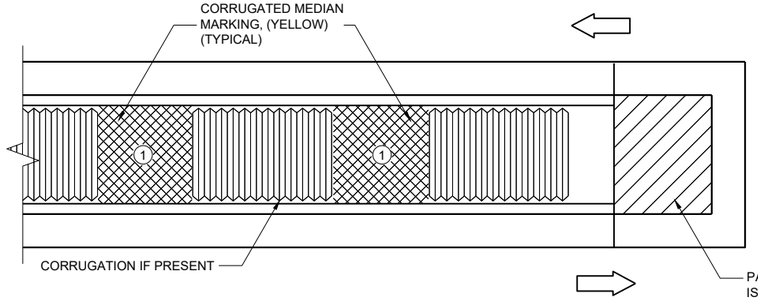
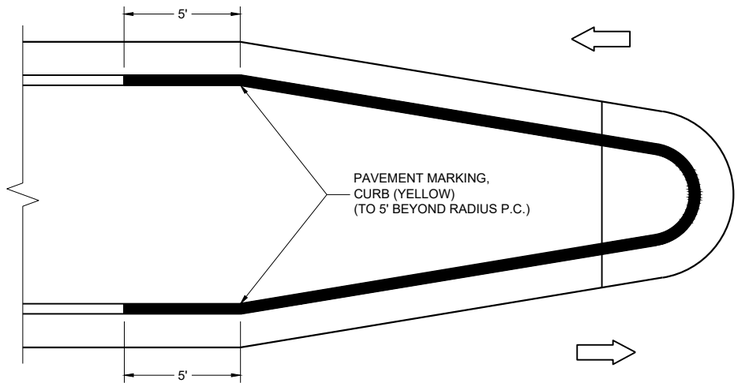
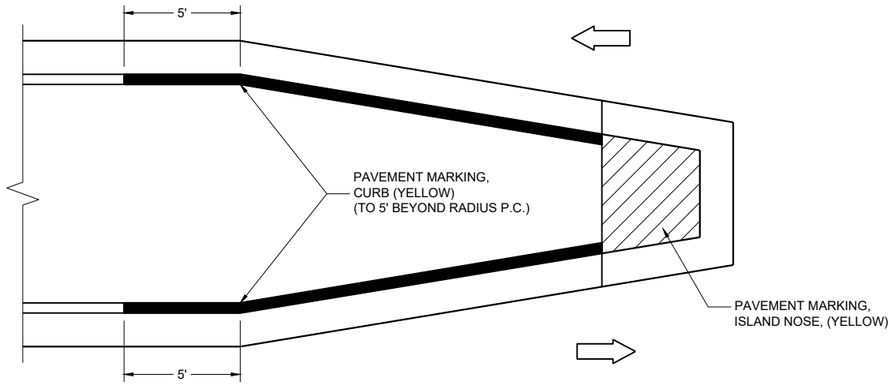
SDD 15C18-09a



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.

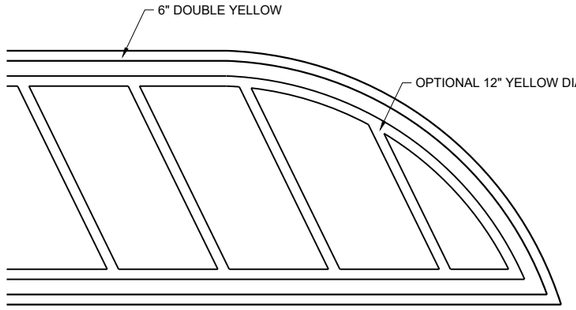
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

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

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.

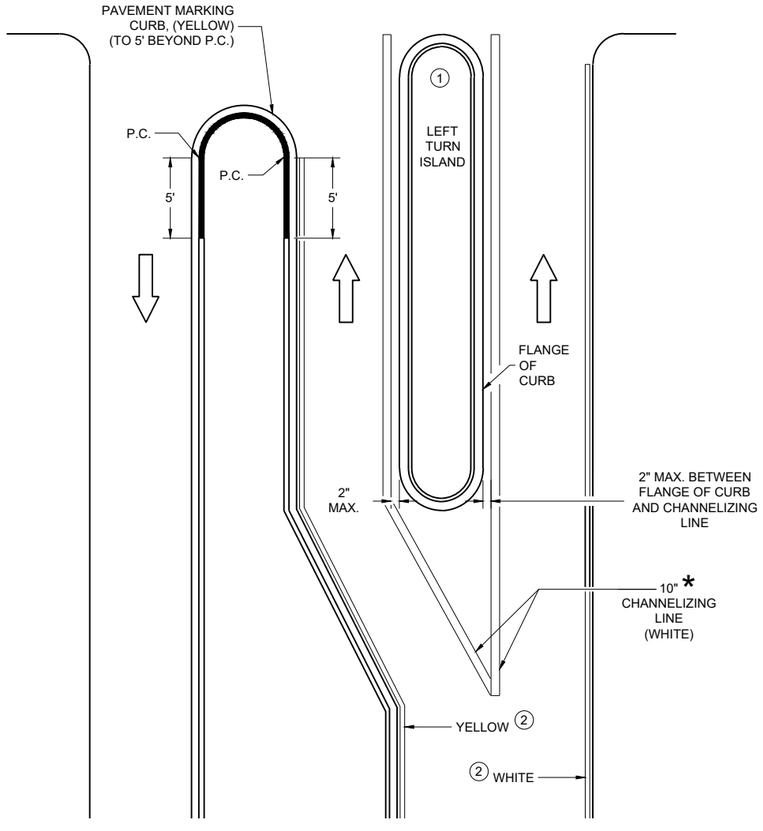
(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

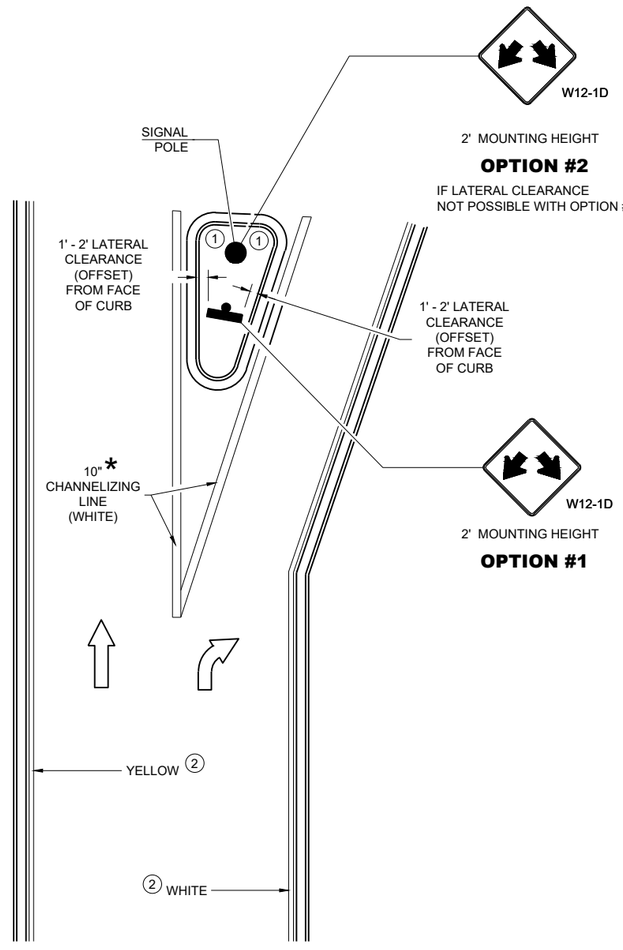
(3) CHEVRON MAY BE OMITTED IF LESS THAN 4" WIDE

DIRECTION OF TRAVEL

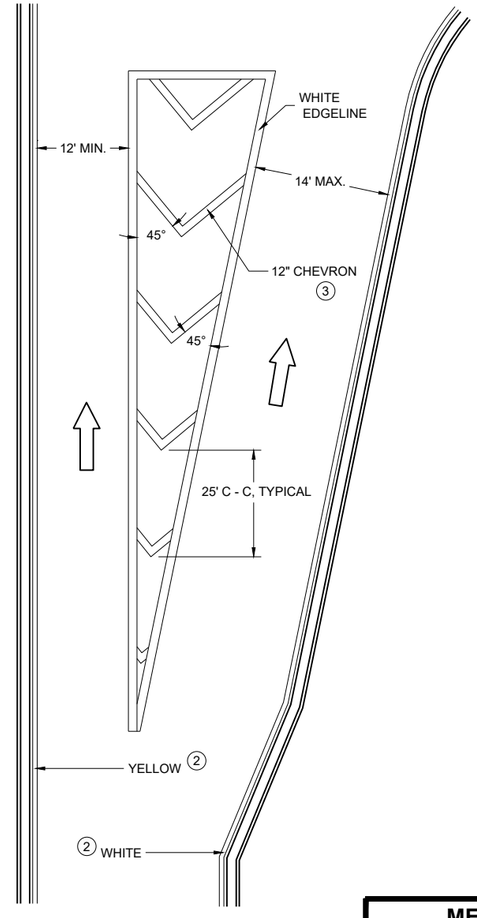
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



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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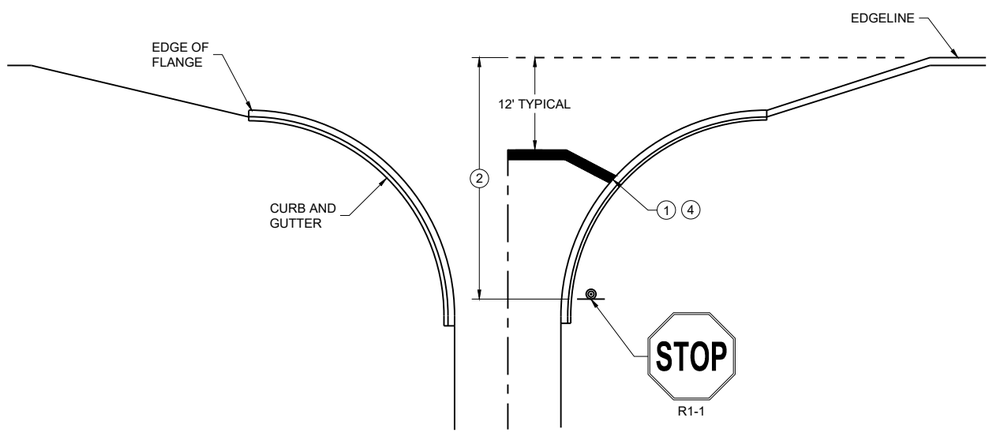
SDD 15C18-09c

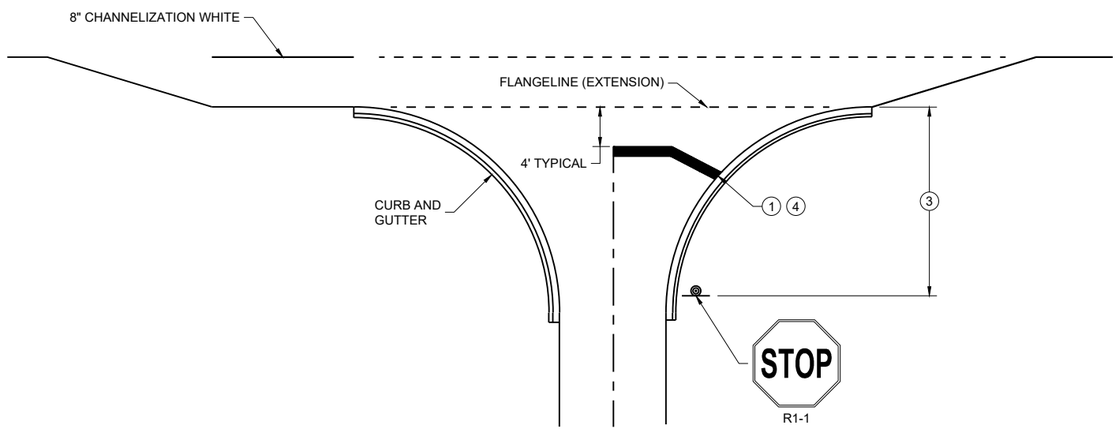
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

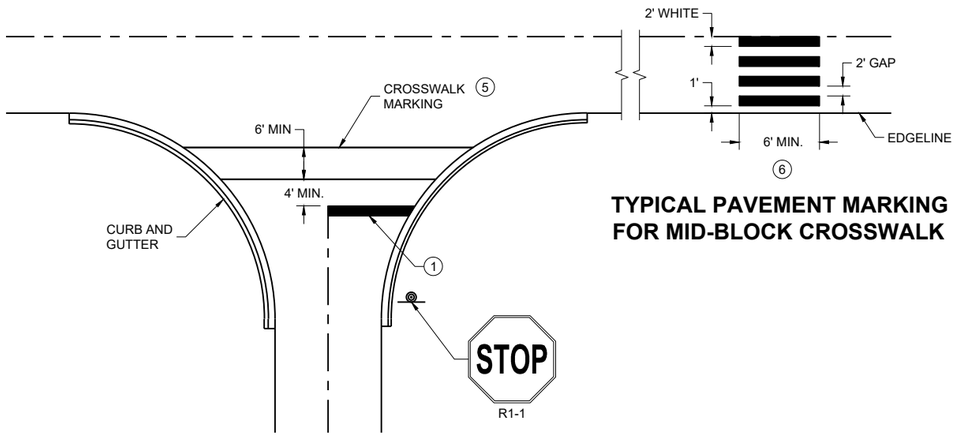
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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

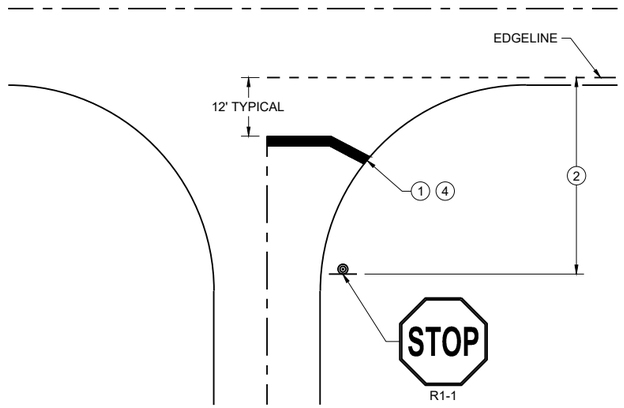


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



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

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

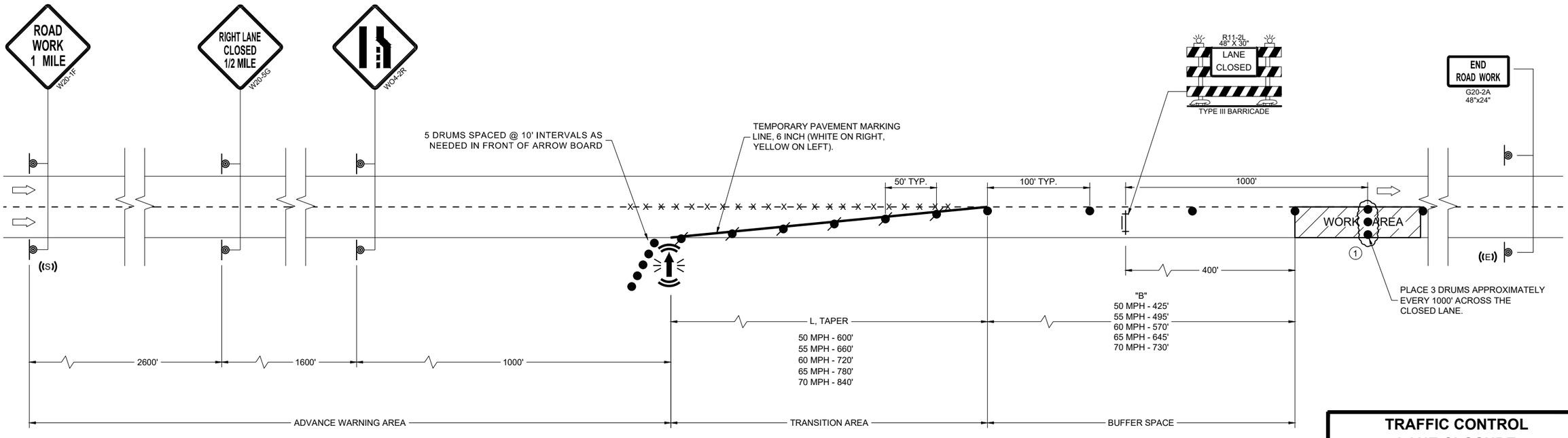
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

(1) 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.

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
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 15D12-16a

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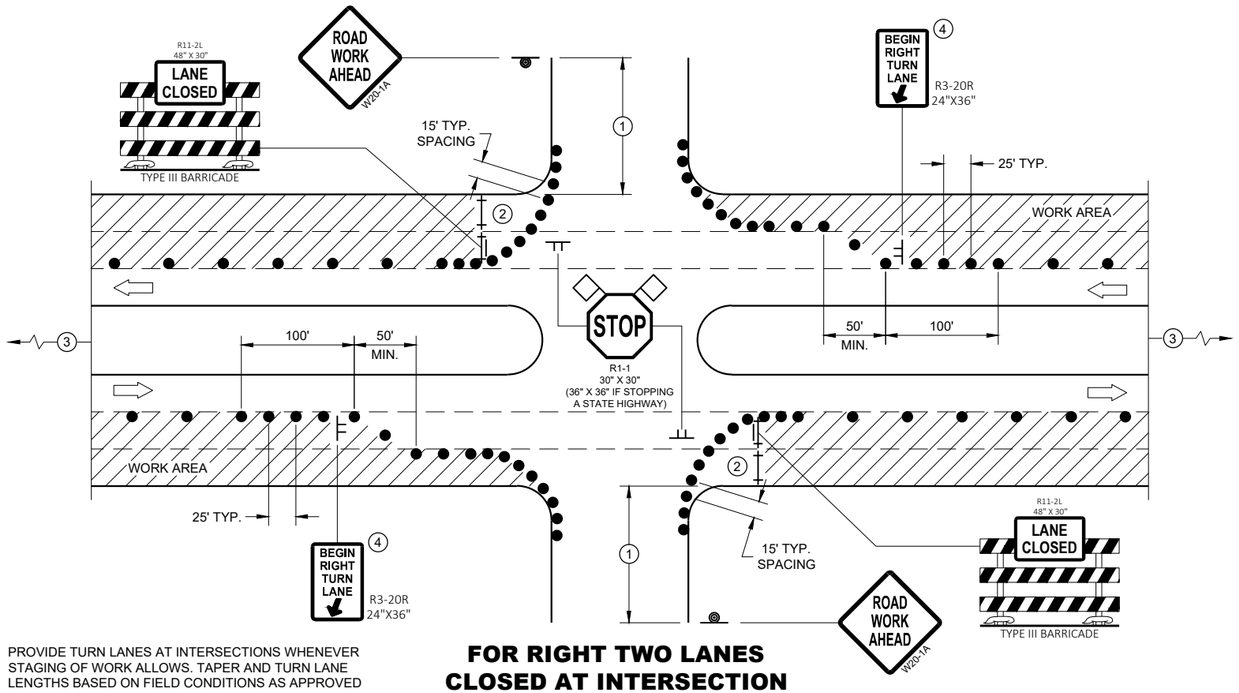


PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT TWO LANES CLOSED AT INTERSECTION

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.

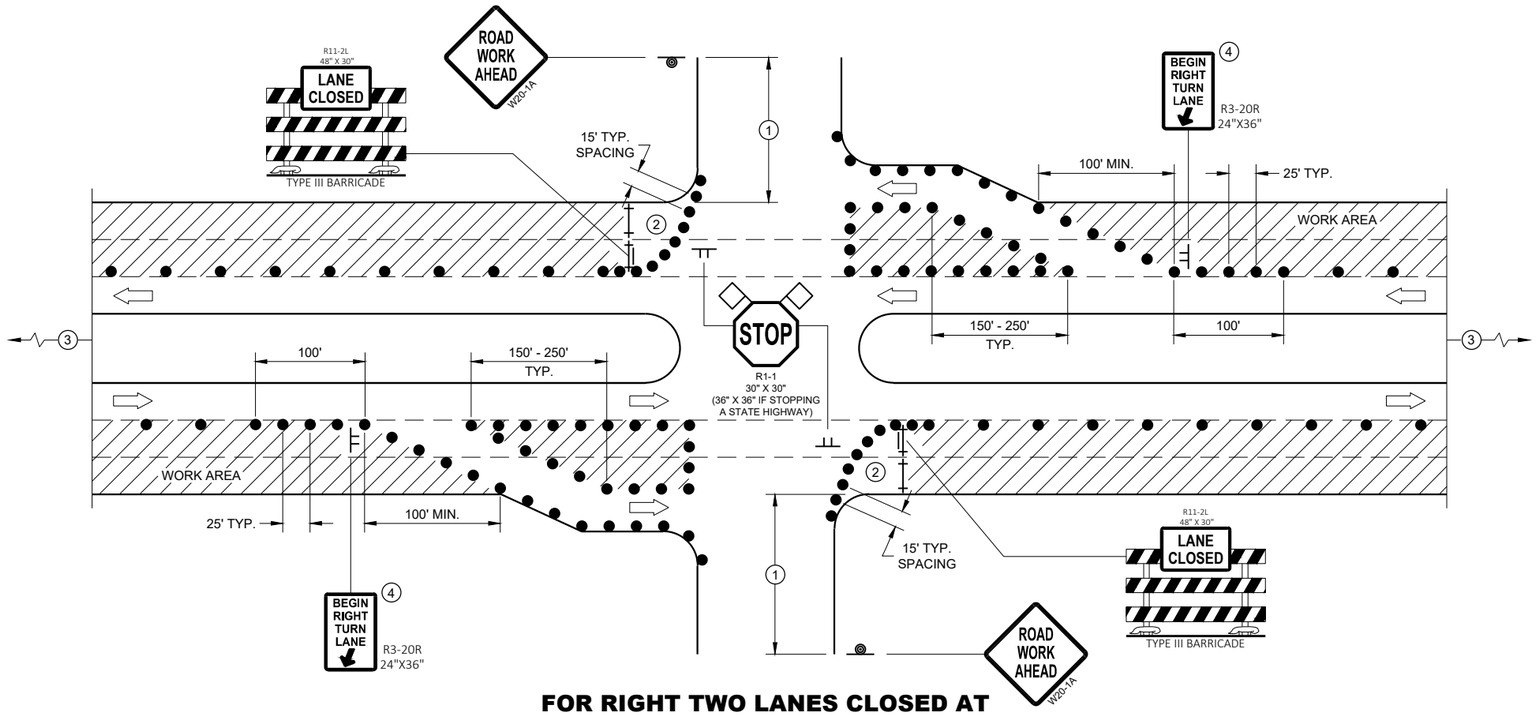
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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 RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D23 - 07a

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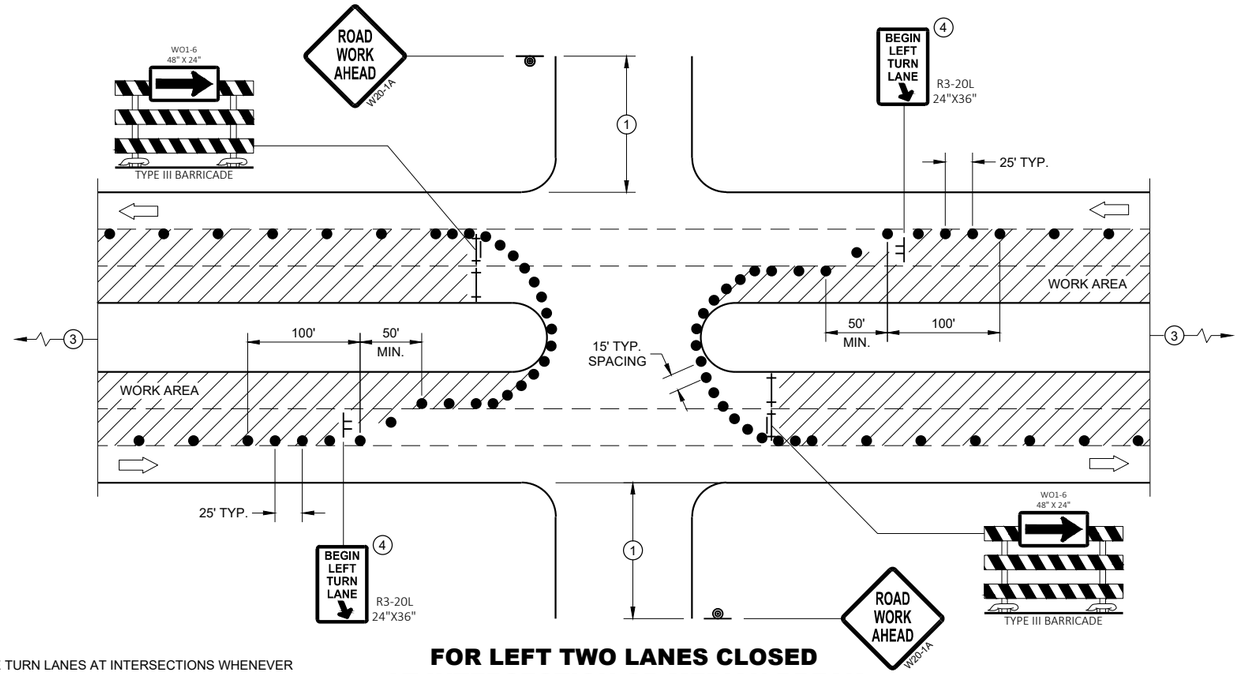
SDD 15D23 - 07a



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

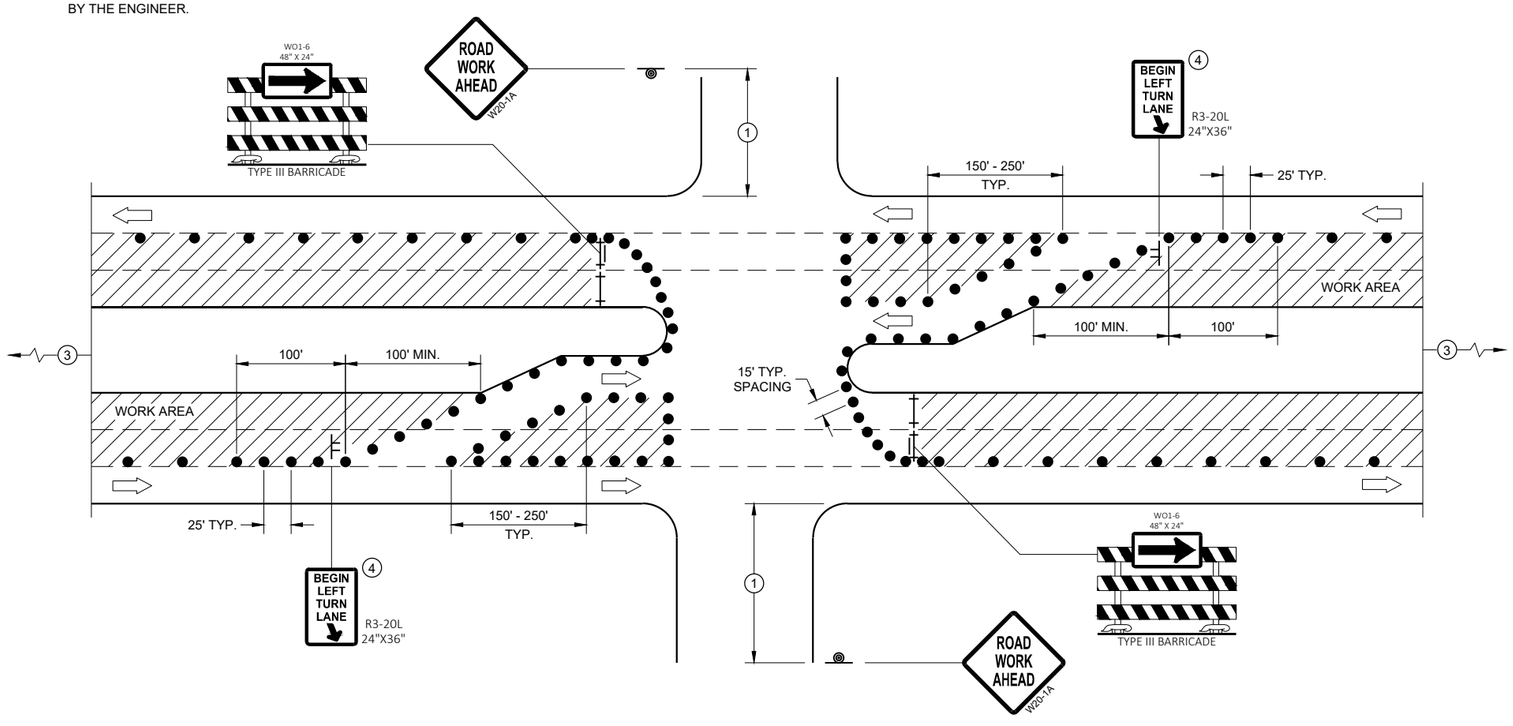
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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 TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D23 - 07b
SDD15D23 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- CONNECTED ARROW BOARD
- WORK AREA
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

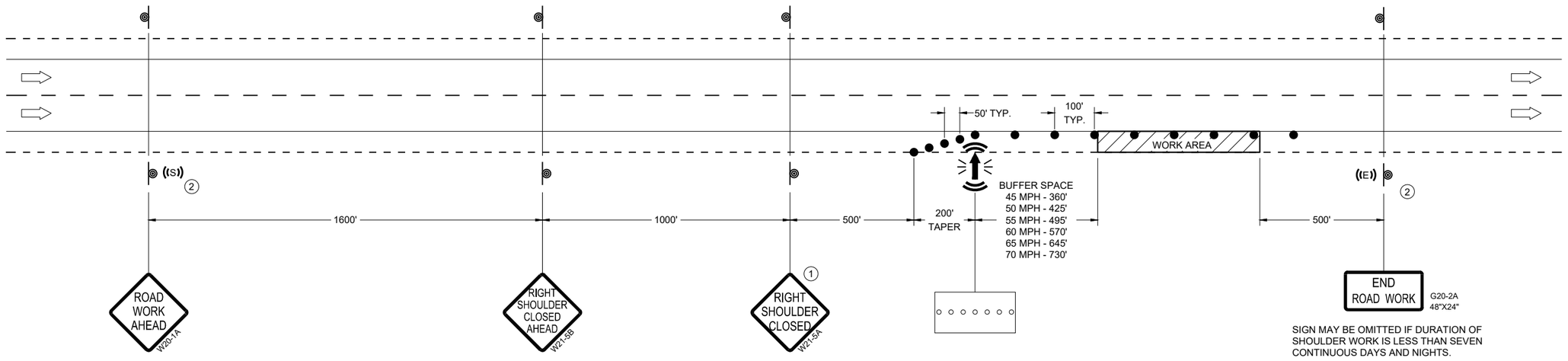
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

(1) FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR THE W21-5A SIGN MAY BE OMITTED.

(2) IF ALREADY PRESENT WITHIN PROJECT , DO NOT INCLUDE ADDITIONAL DEVICE.



TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

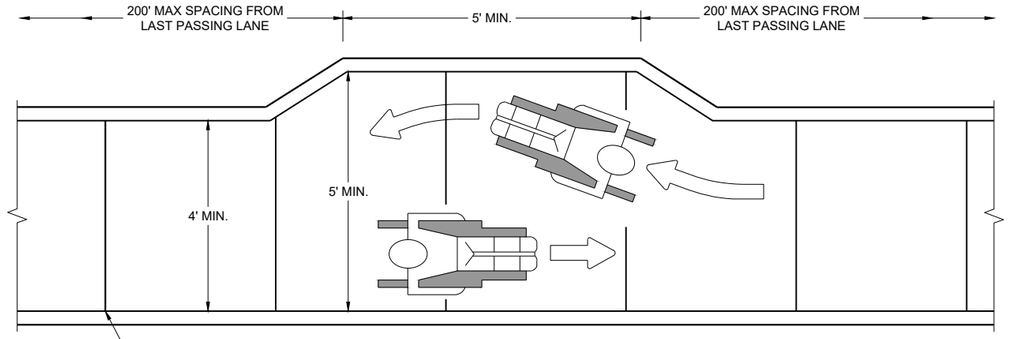
APPROVED

Noveber 2025
DATE

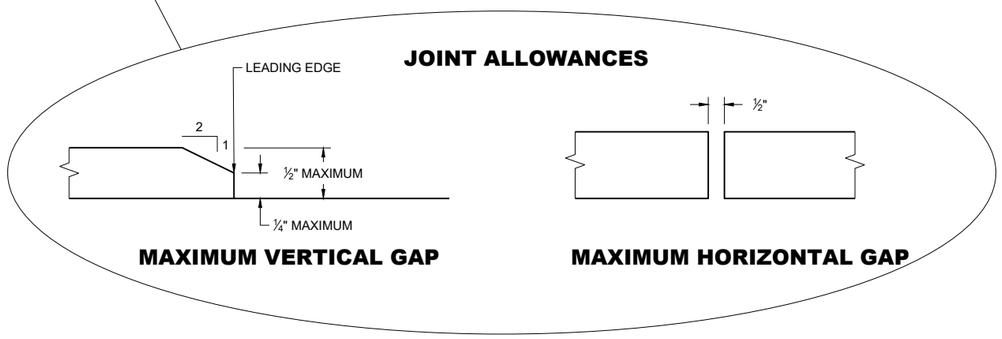
/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

6
SDD 15D27-05



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

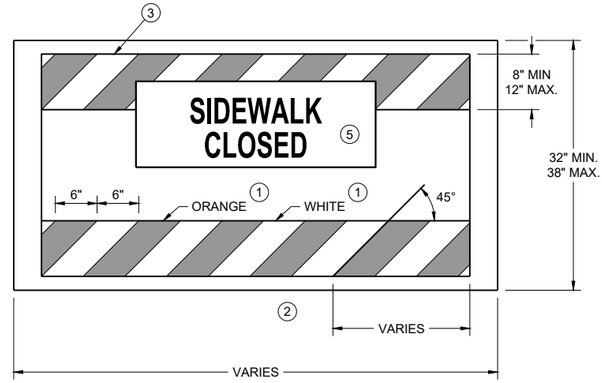
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

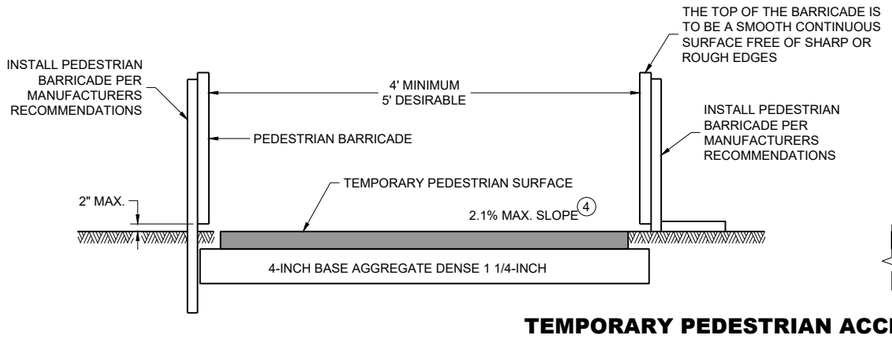
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

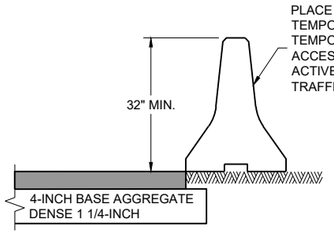
4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.
5. WHERE SIGNS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS ARE SHOWN BEING PLACED BEHIND TEMPORARY PEDESTRIAN BARRICADE, THE SIGNS MAY BE MOUNTED ON THE 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



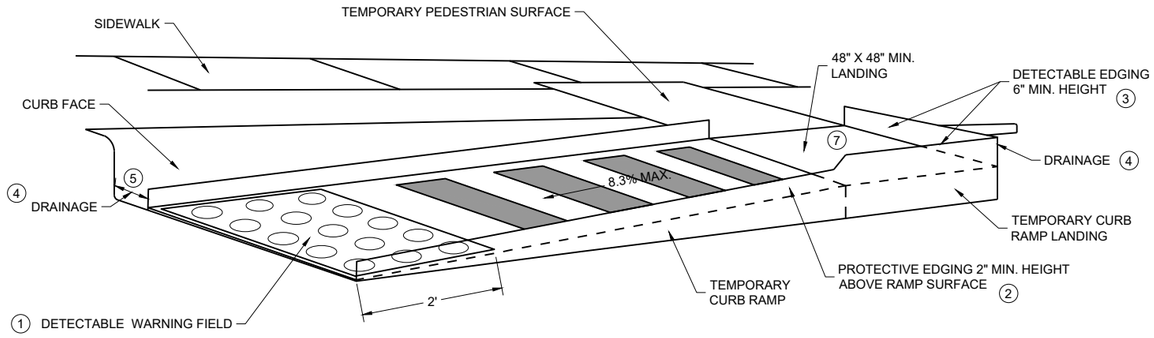
TEMPORARY PEDESTRIAN FLAGGING

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

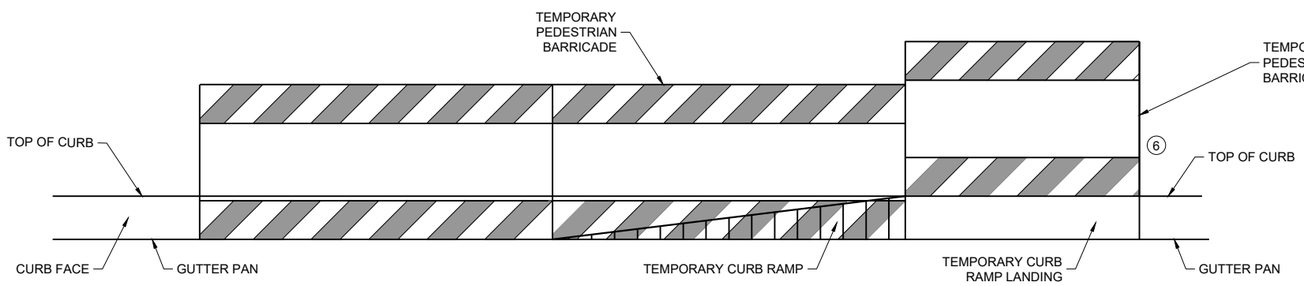
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

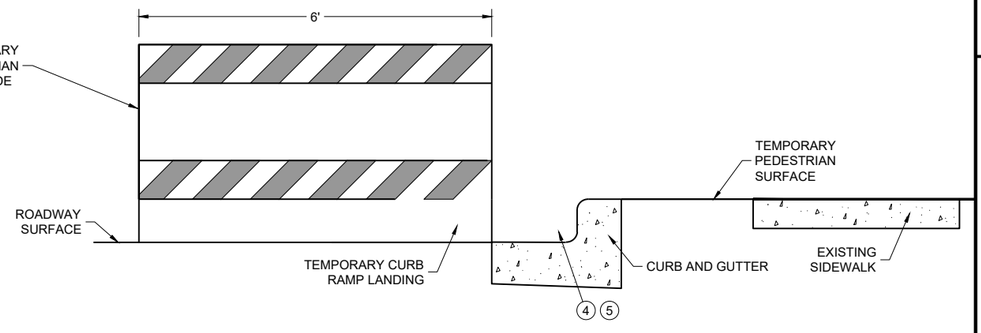
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

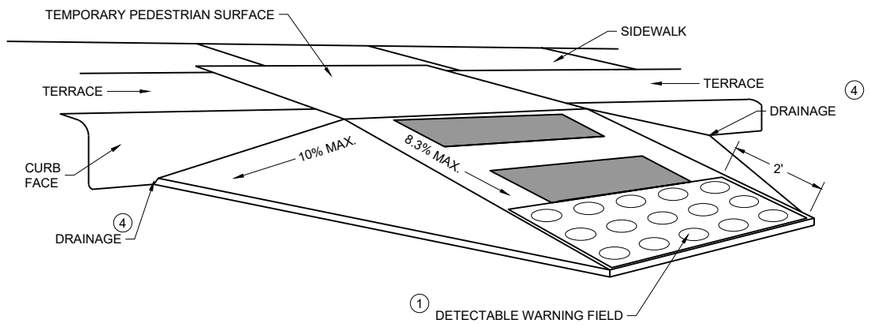
SDD 15D30-12b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

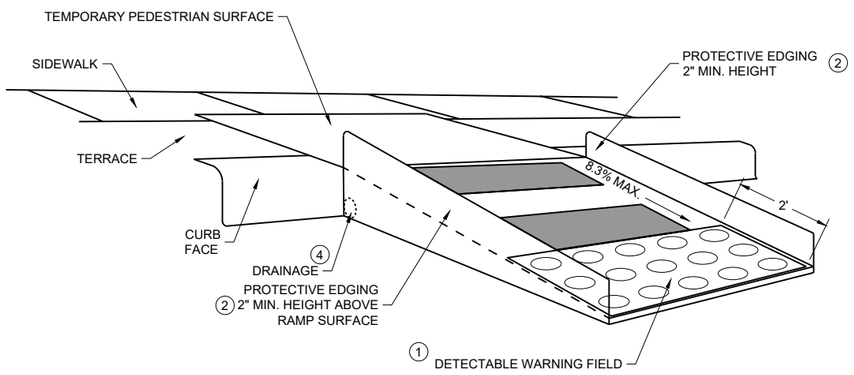
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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.

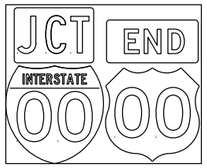
(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

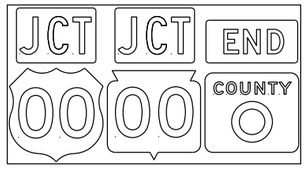
(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

TYPICAL ASSEMBLIES

J1-1



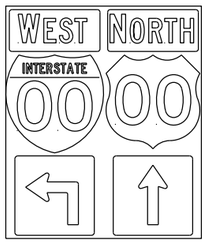
J1-2



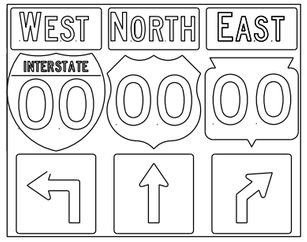
J1-3

JR1-1

J2-1

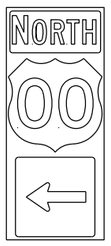


J2-2

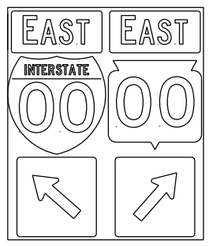


J2-3

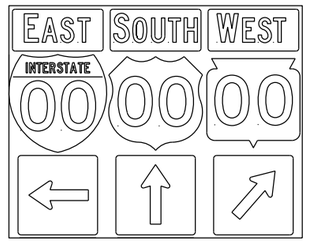
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



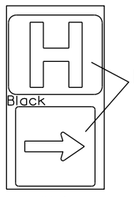
J3-1



J3-2

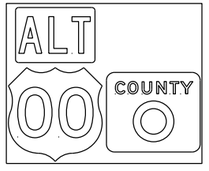


J3-3

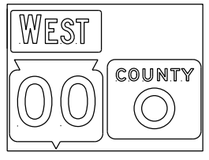


JH-1

J4-1

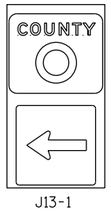


J4-2



J4-2

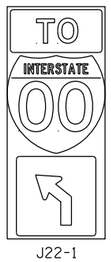
J12-1



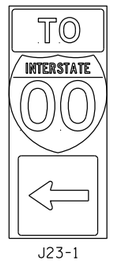
J13-1

J32-1

J33-1



J22-1



J23-1

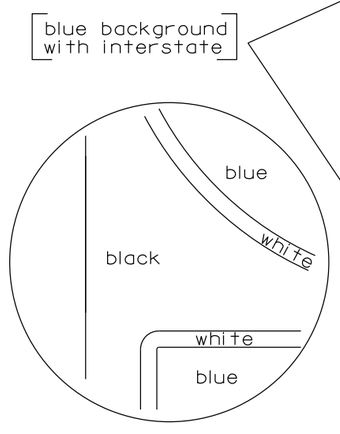
JR13-1

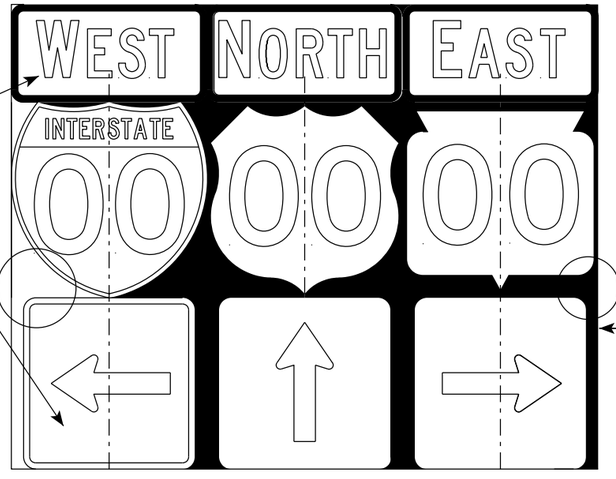
JR23-1

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.





ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

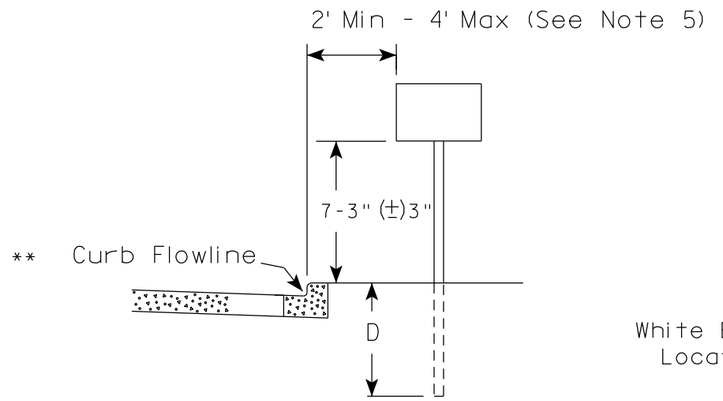
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

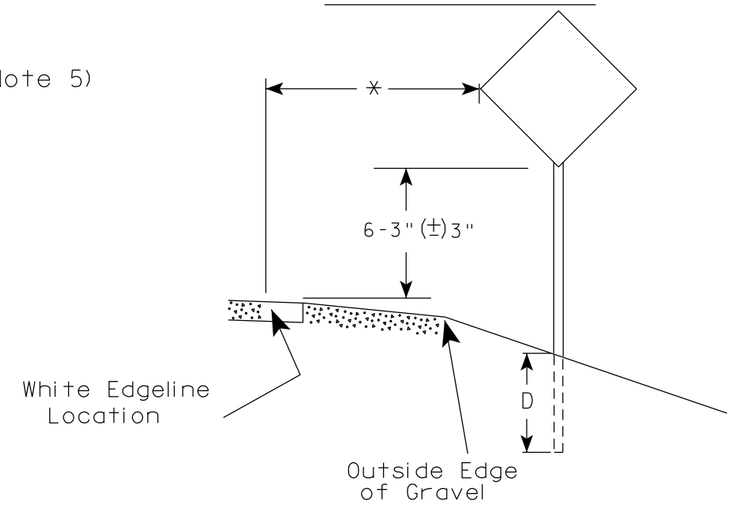
PROJECT NO:

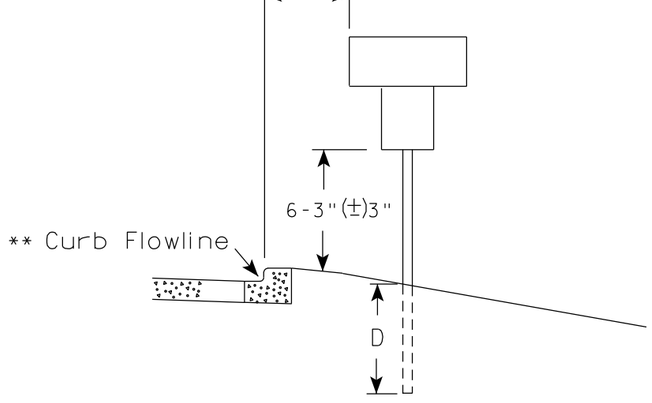
SHEET NO: 259 E

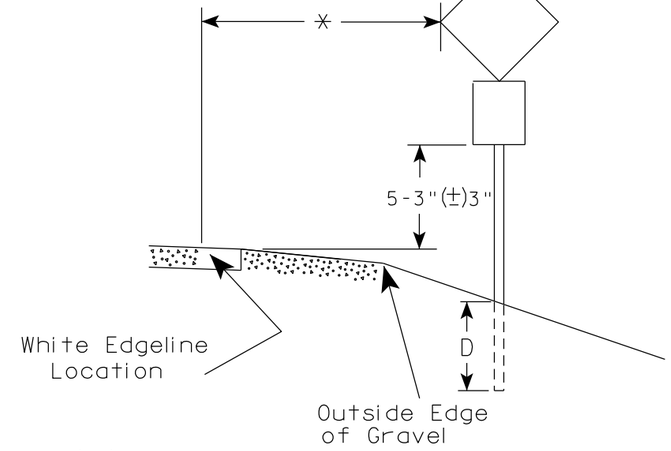
URBAN AREA



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.

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.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

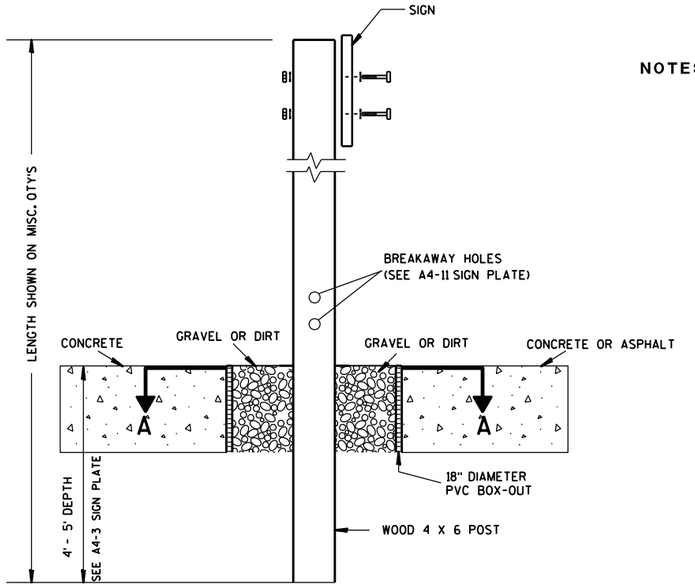
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

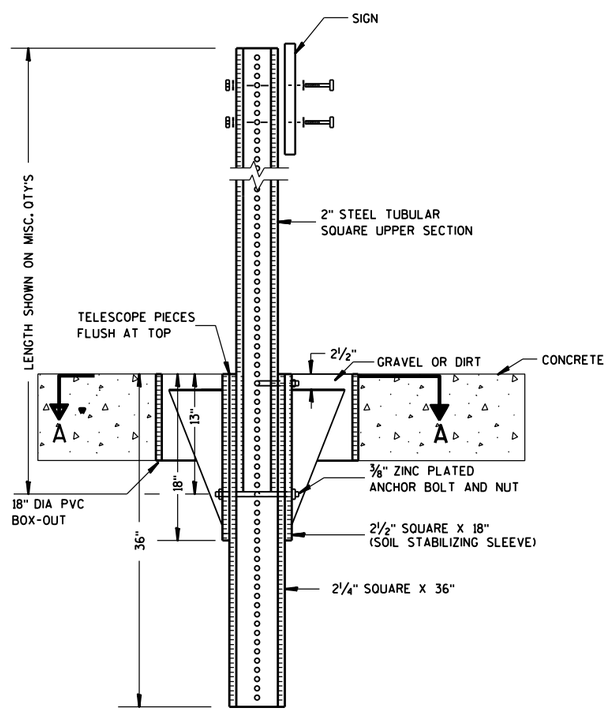
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E



ELEVATION VIEW

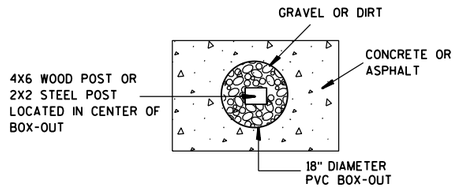
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

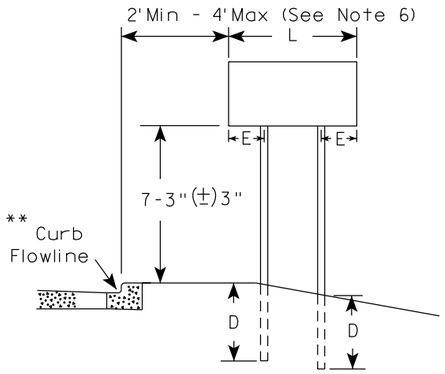
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

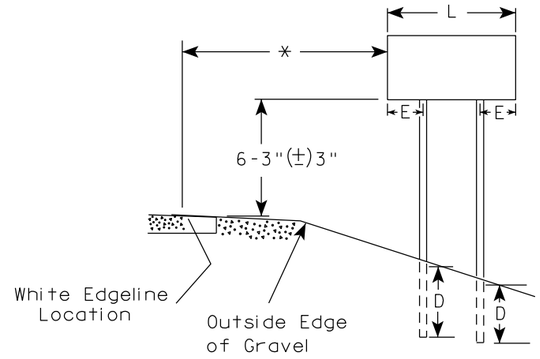
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

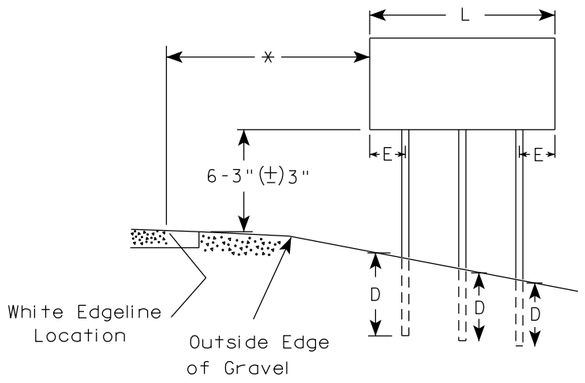
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

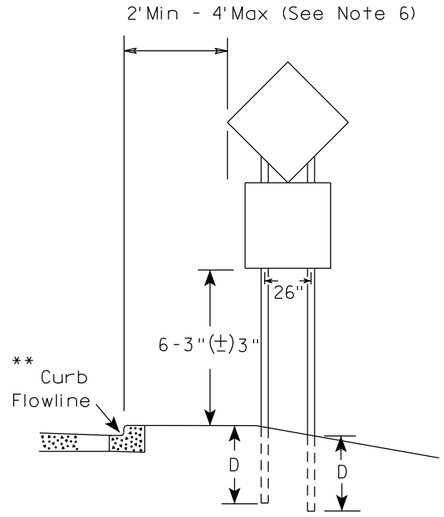
URBAN AREA



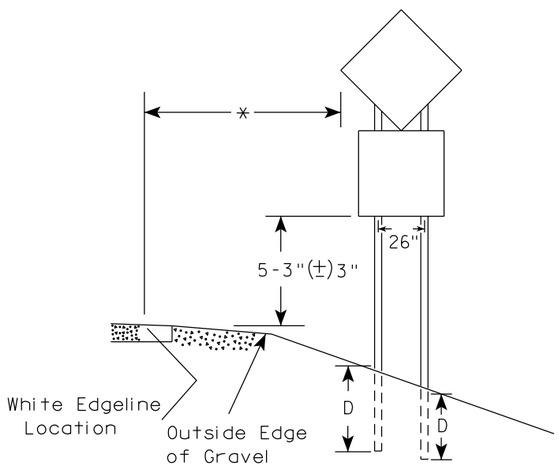
RURAL AREA (See Note 3)







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'

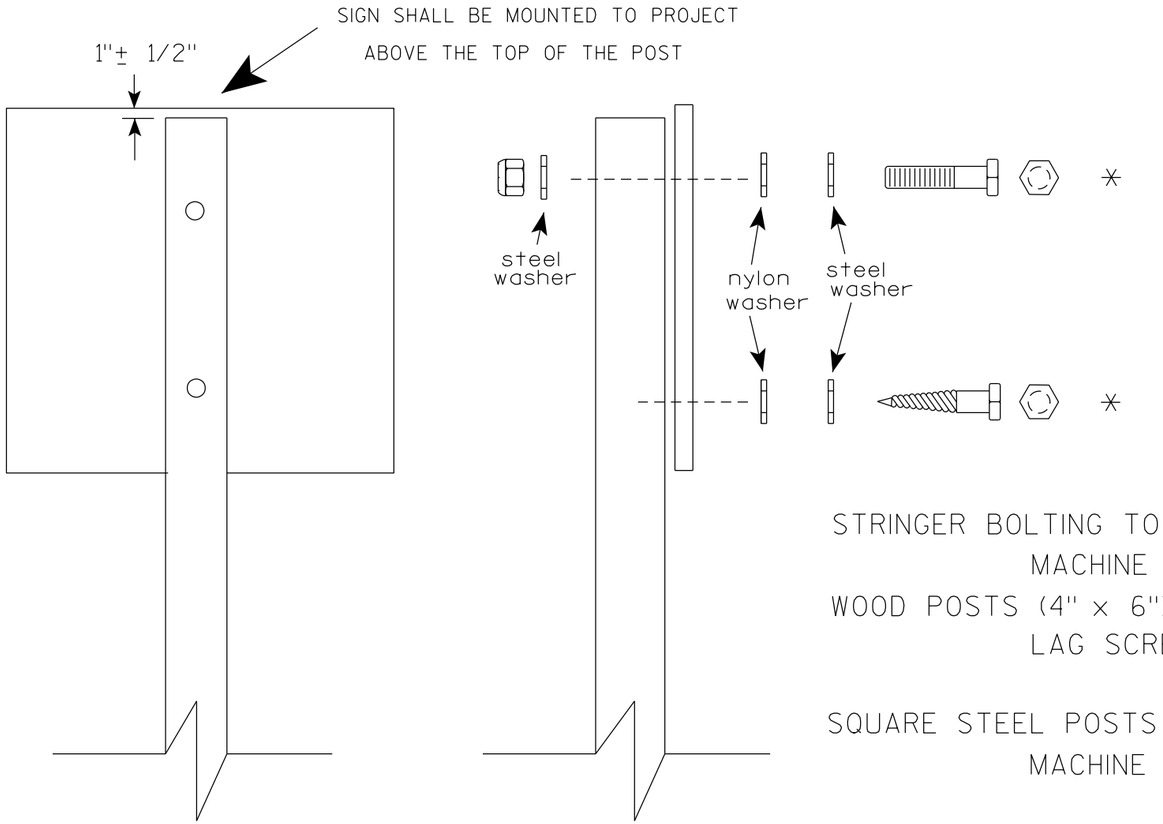
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 262	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:

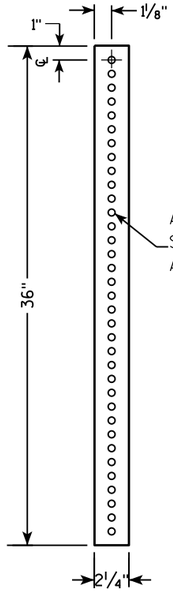
SHEET NO: 263 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

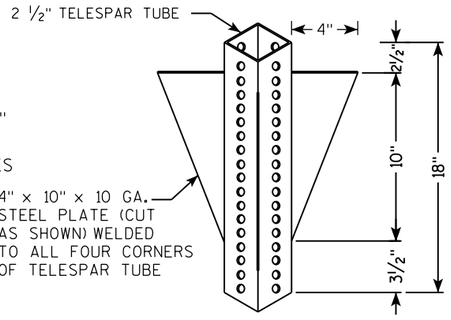
WISDOT/CADDS SHEET 42

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

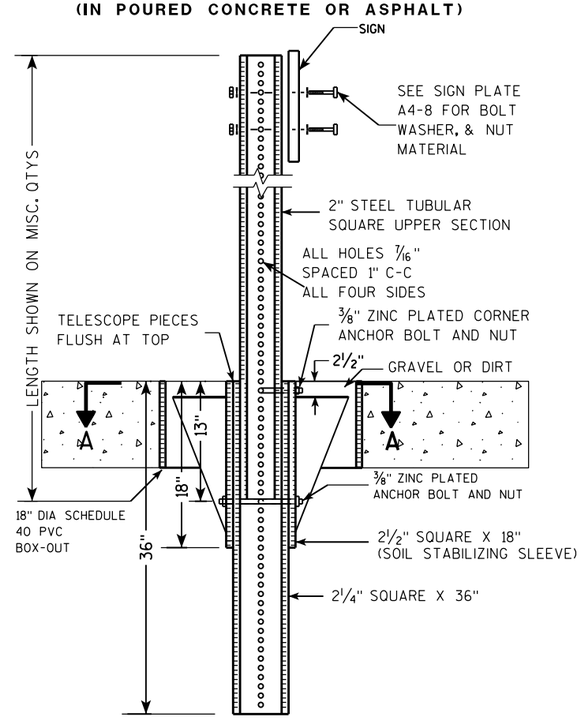
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



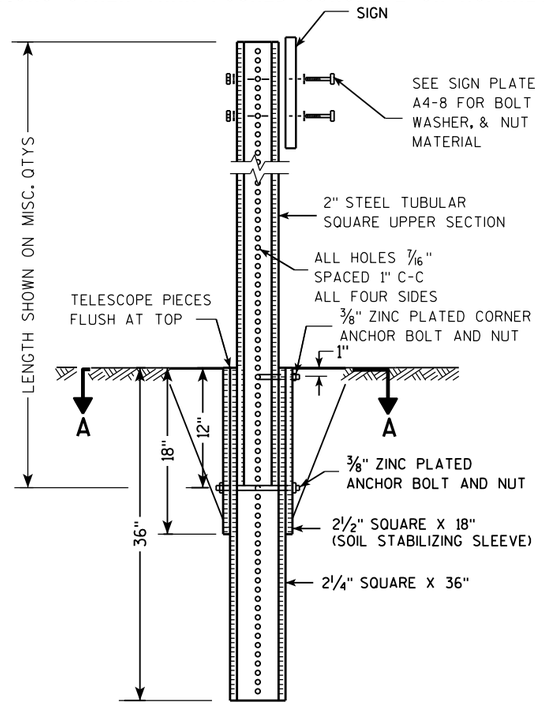
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

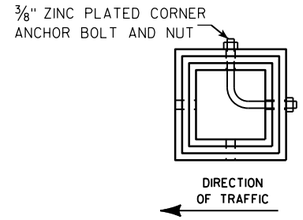


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

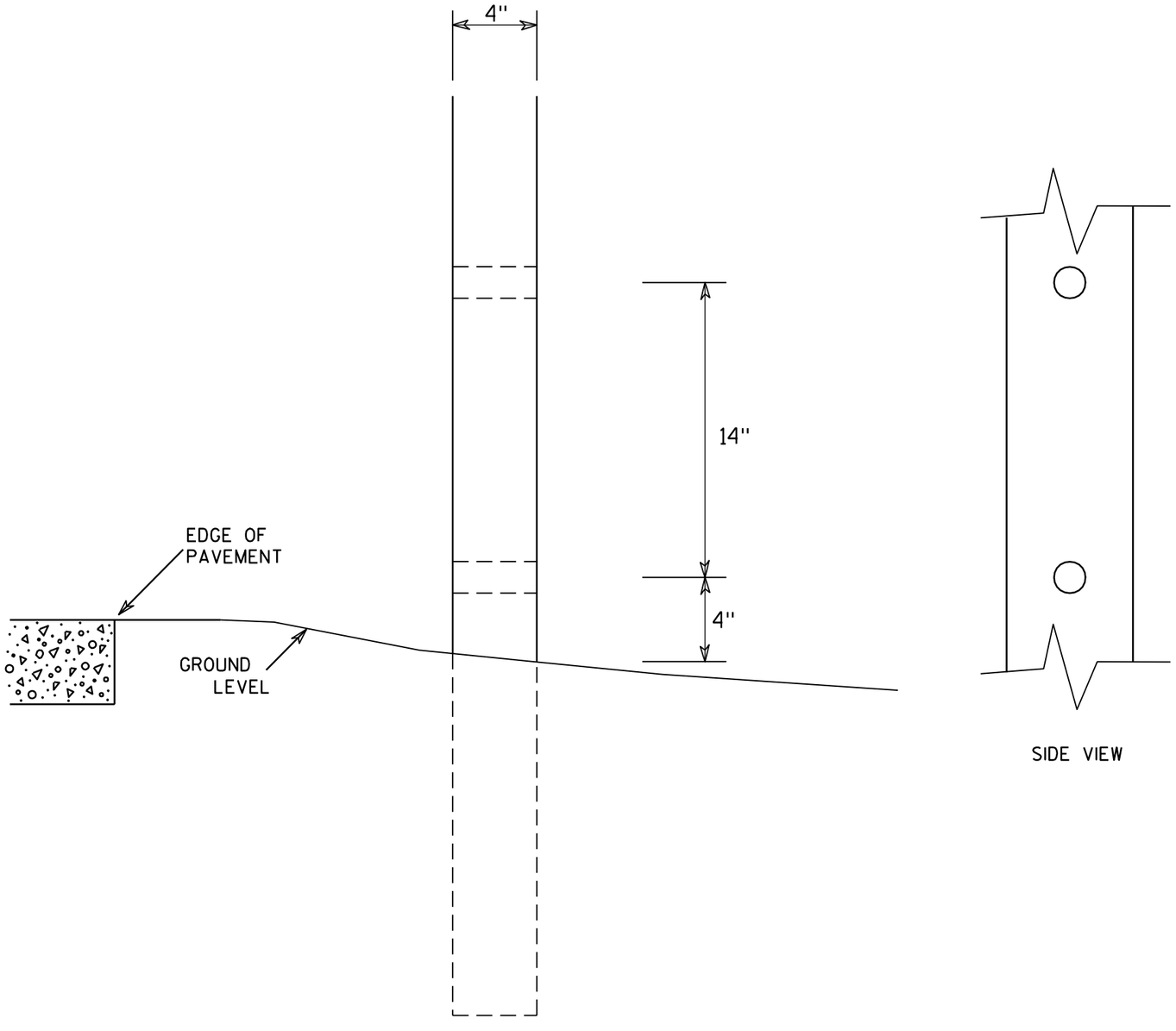
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 264 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

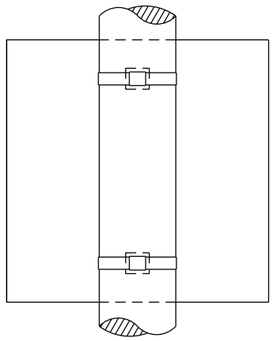
APPROVED Chester J Spang
for State Traffic Engineer

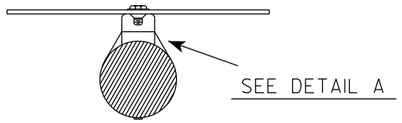
DATE 3/27/97 PLATE NO. A4-11.2

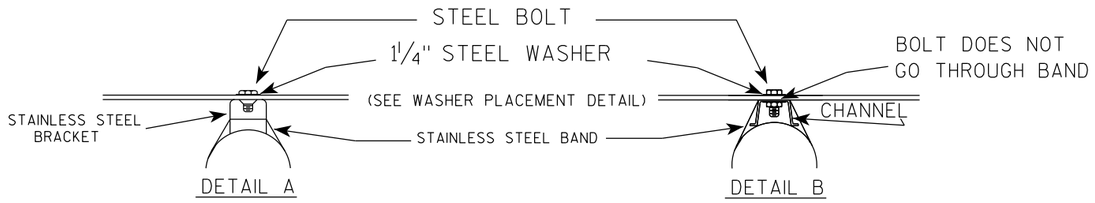
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 265	E

BANDING

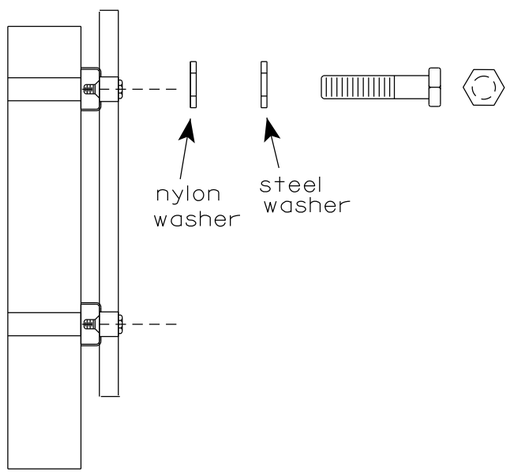
SINGLE SIGN







WASHER PLACEMENT

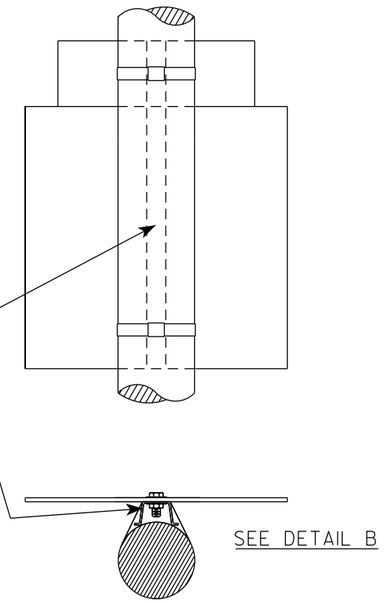


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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

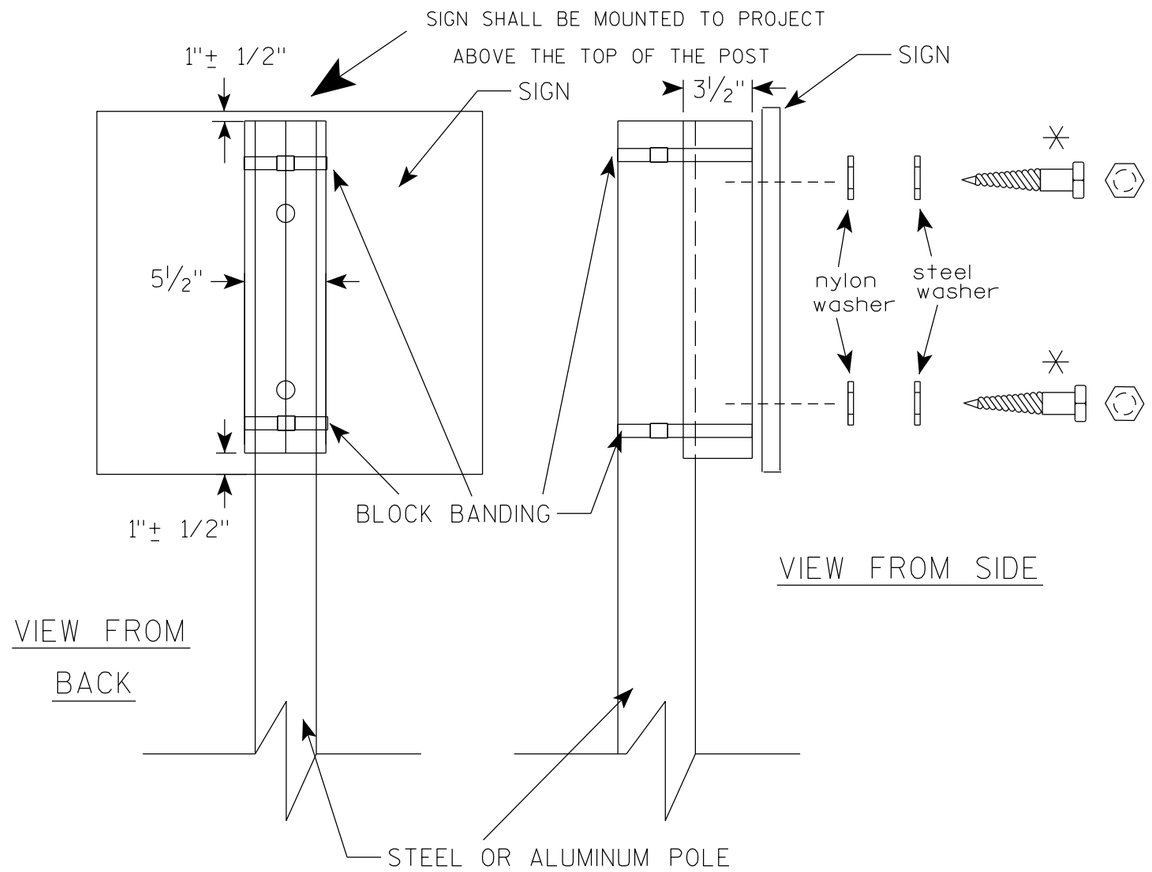
DATE 6/10/19 PLATE NO. A5-9.4

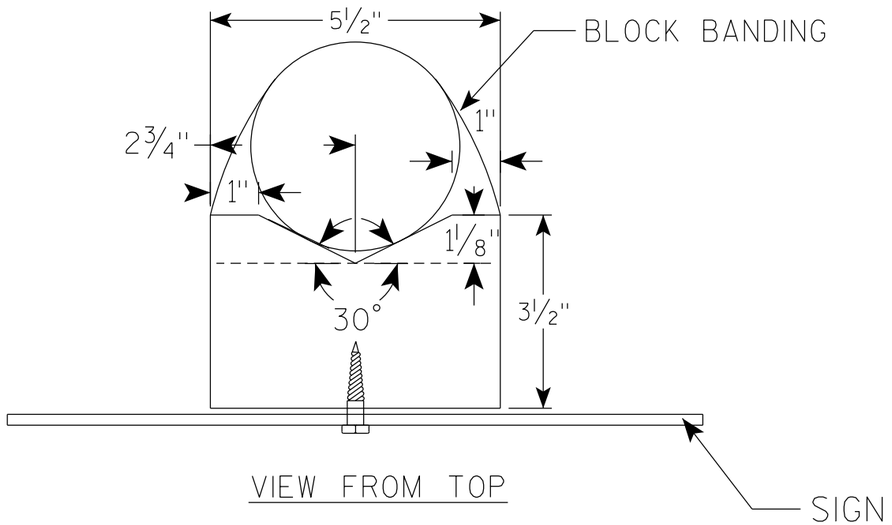
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 266	E

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)

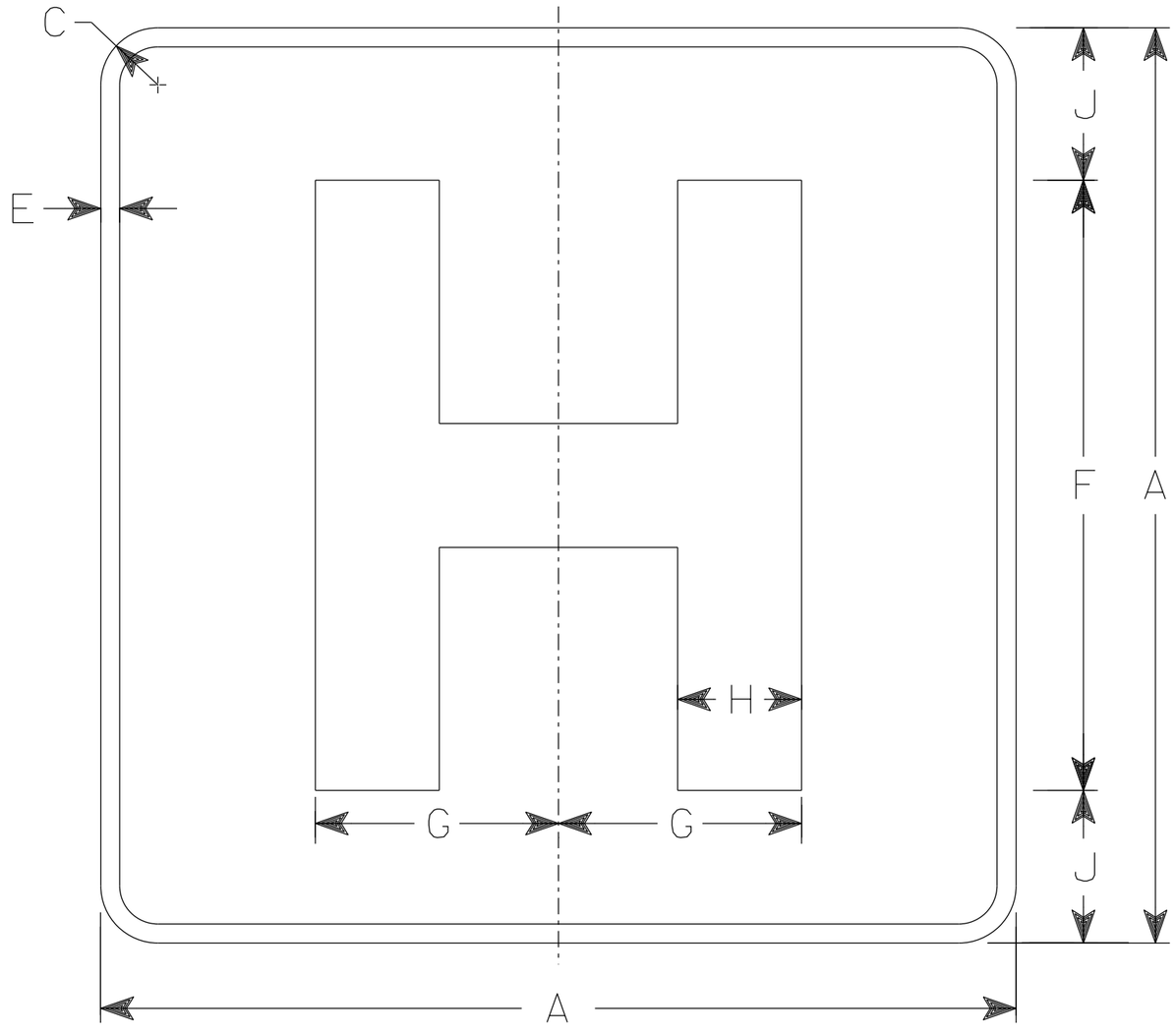
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 267 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:

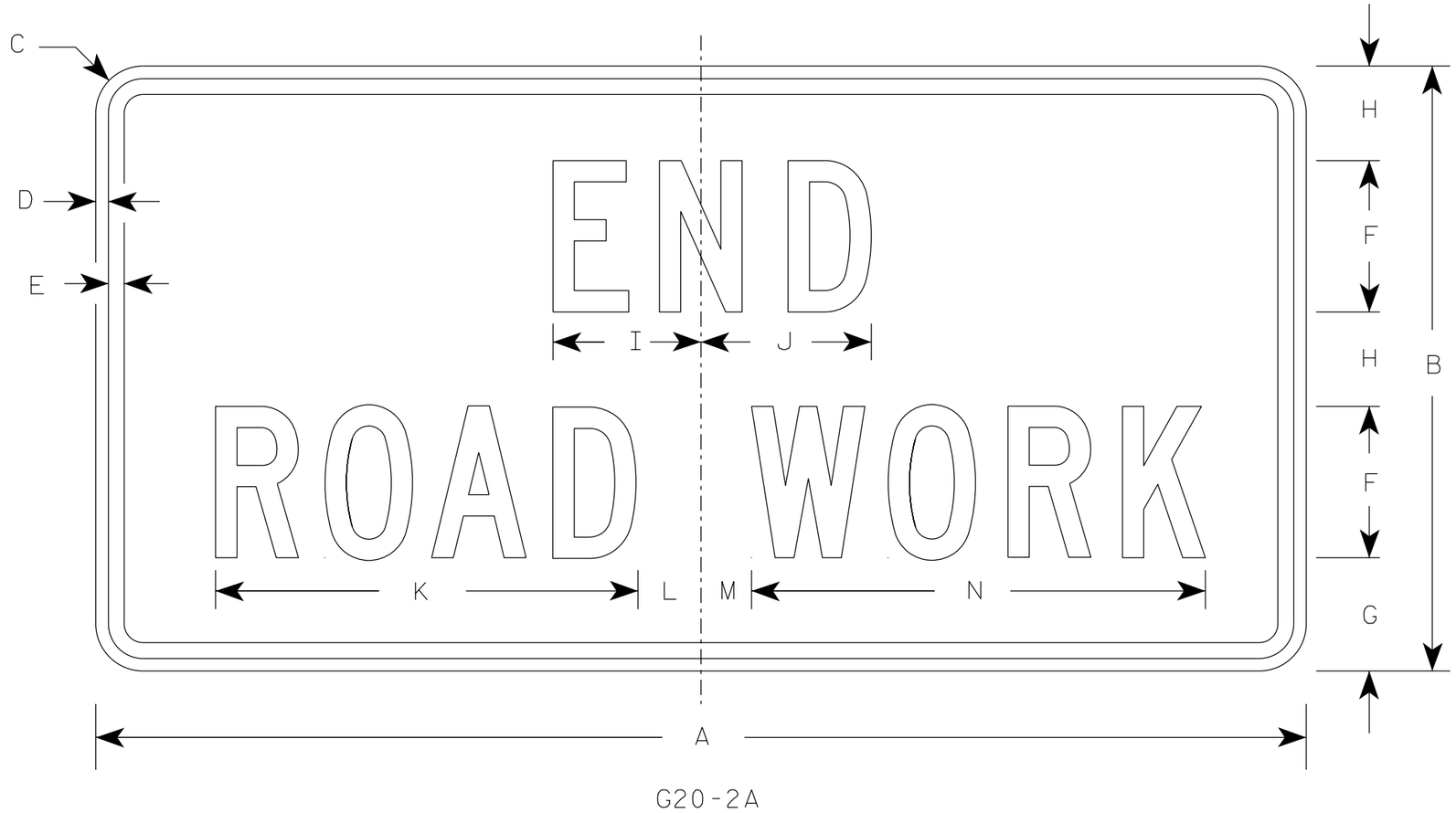
SHEET NO: 268 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\D92.dgn PLOT DATE : 25-JAN 2023 1:20 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

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

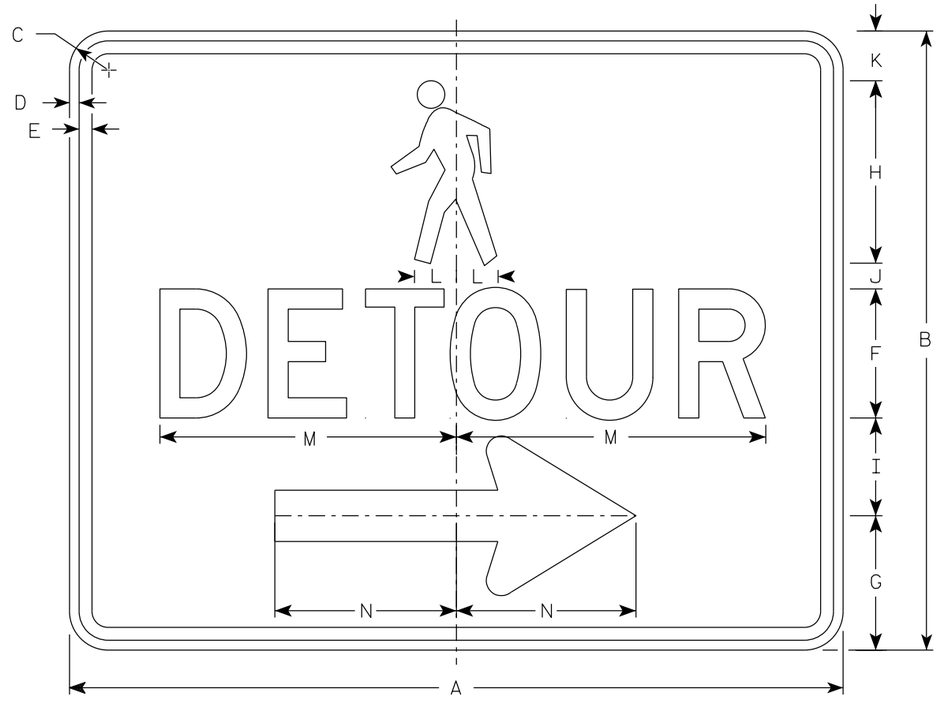
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

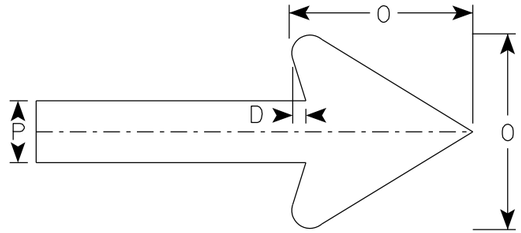
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G202A.dgn PLOT DATE : 26-JAN 2023 8:27 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



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

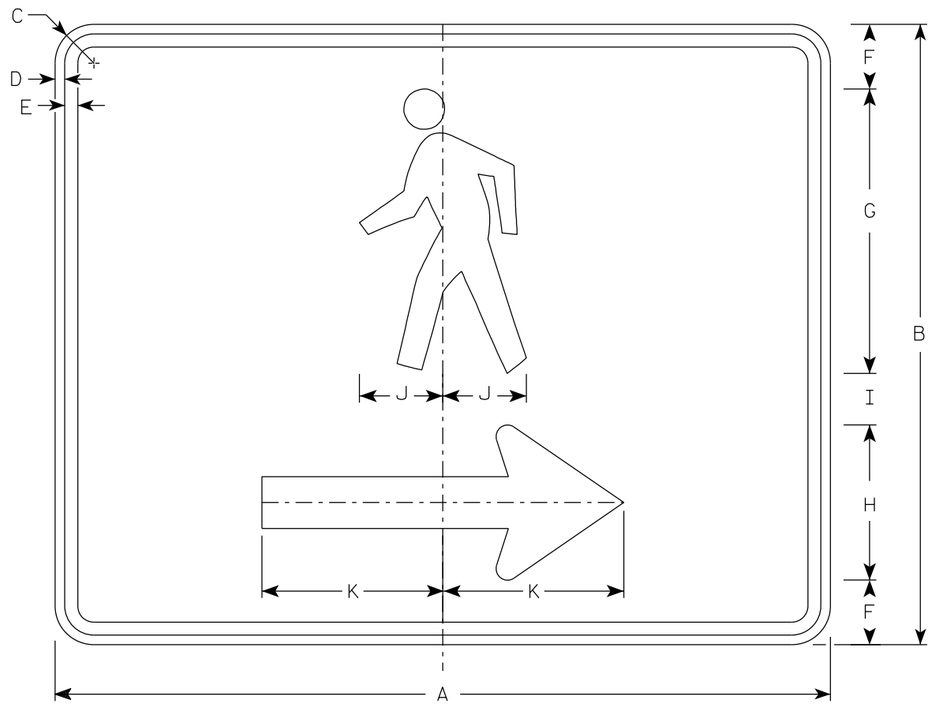
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

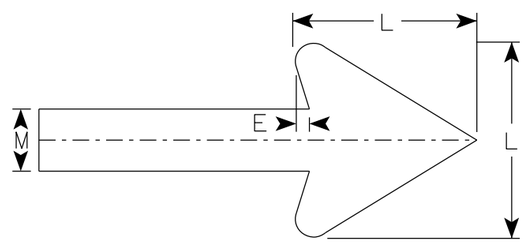
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 270 | E

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																											

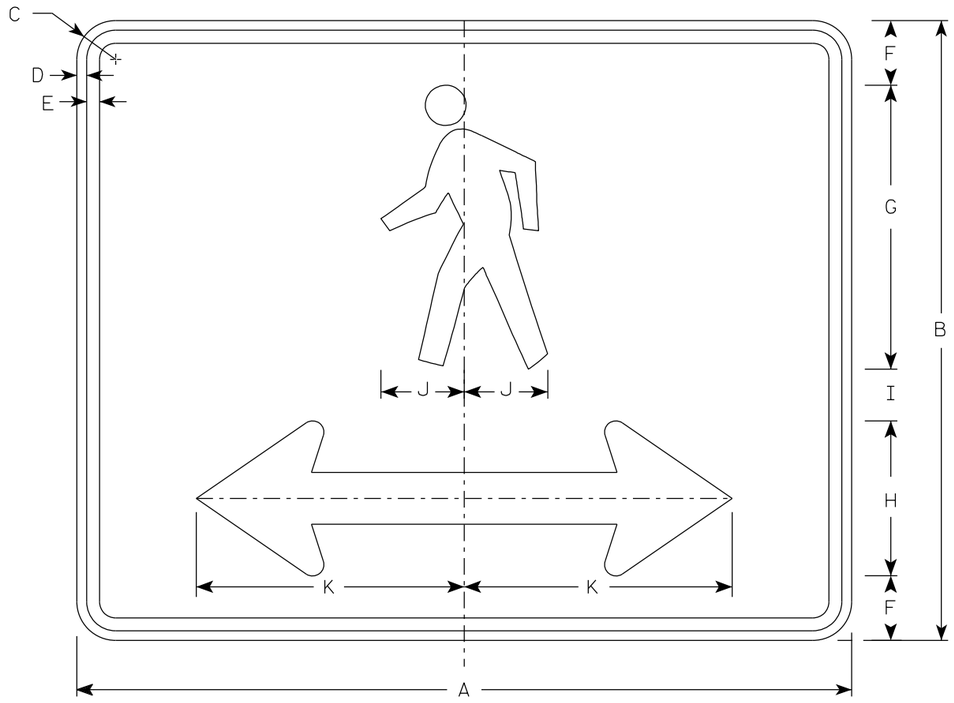
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

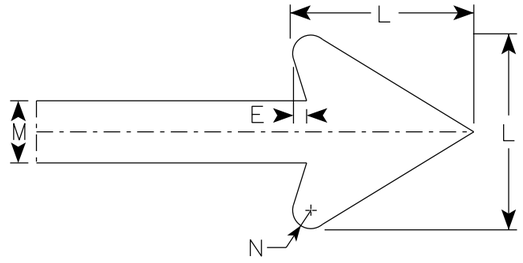
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 271 | E



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																											

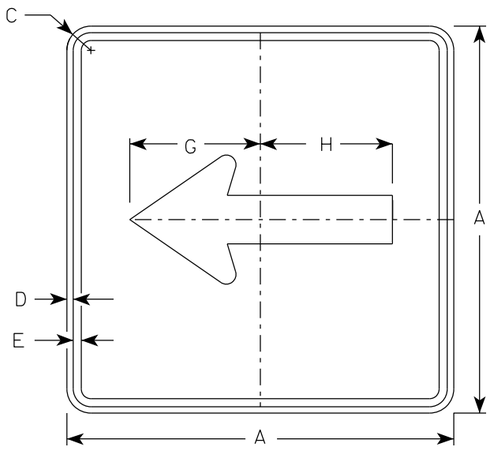
STANDARD SIGN
M4-60D

WISCONSIN DEPT OF TRANSPORTATION

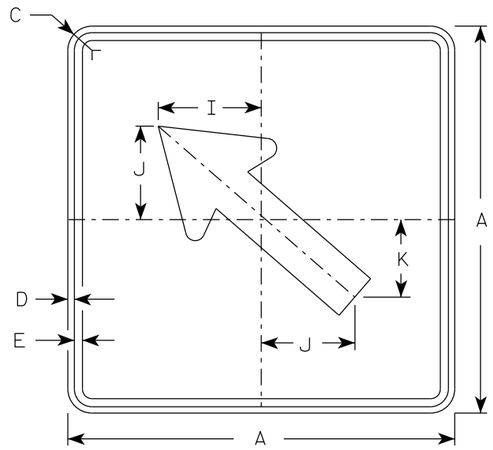
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60D.2

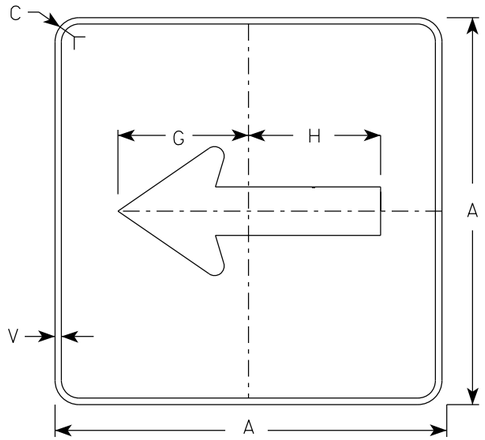
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 272 | E



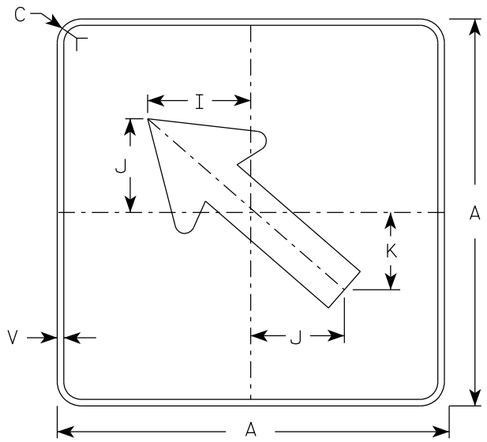
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

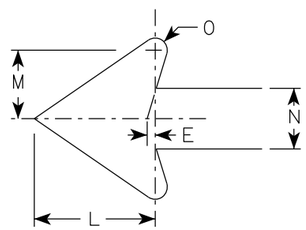


MB6-2
MK6-2
MN6-2
MR6-2

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

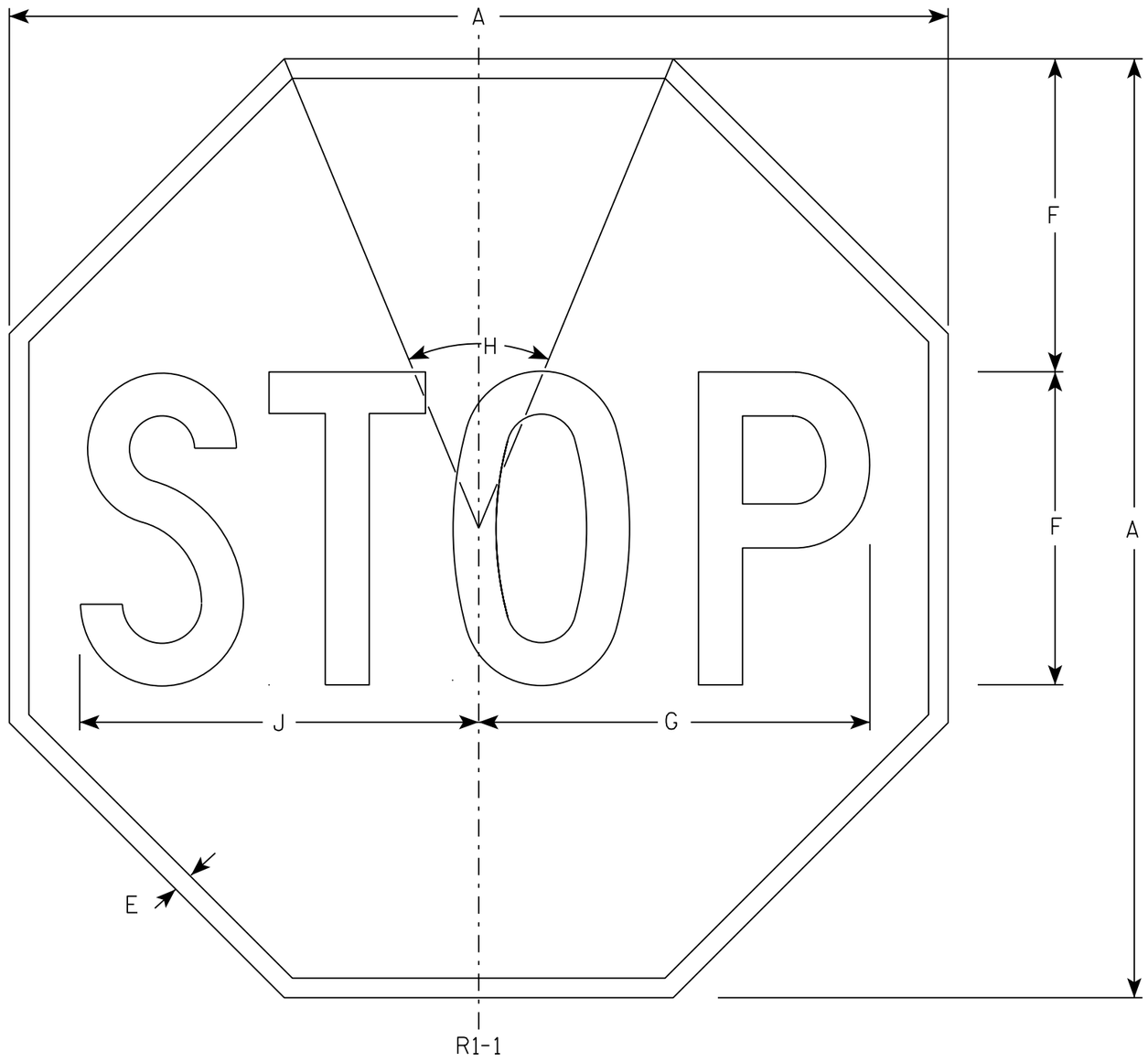
STANDARD SIGN M6-1 & M6-2 SERIES

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: 273 | E



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

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				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

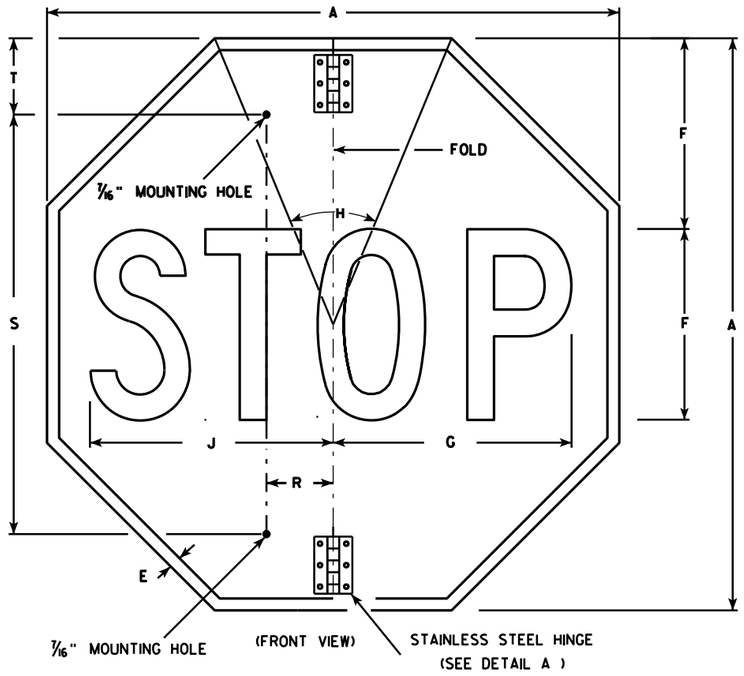
STANDARD SIGN
R1-1

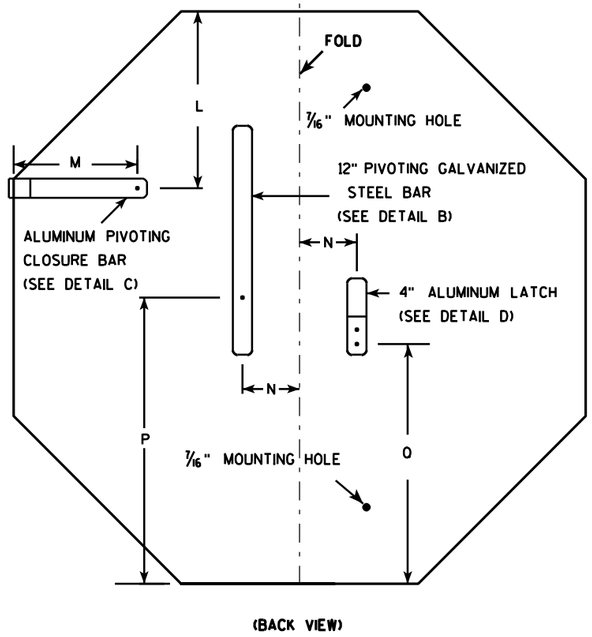
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

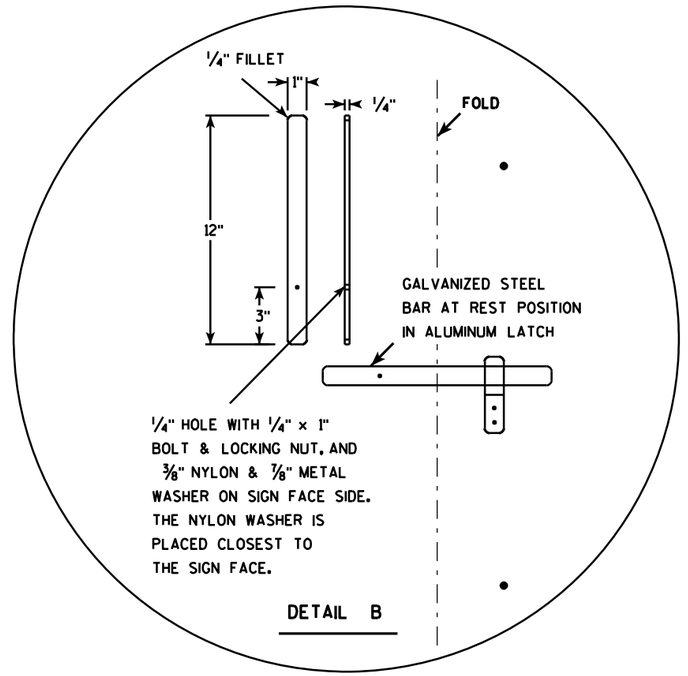
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E



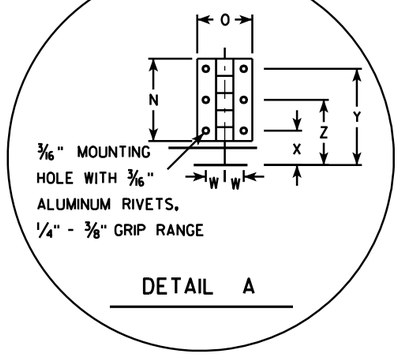


NOTES

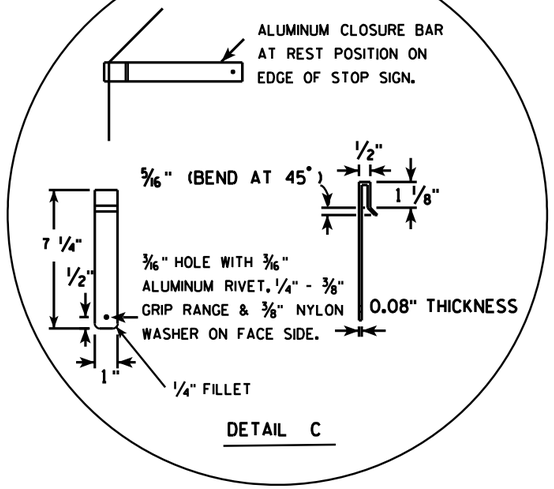
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



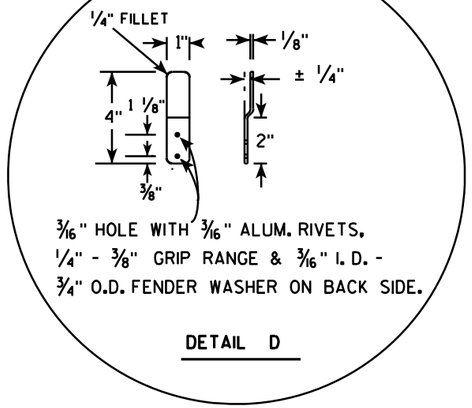
DETAIL B



DETAIL A



DETAIL C



DETAIL D

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																											

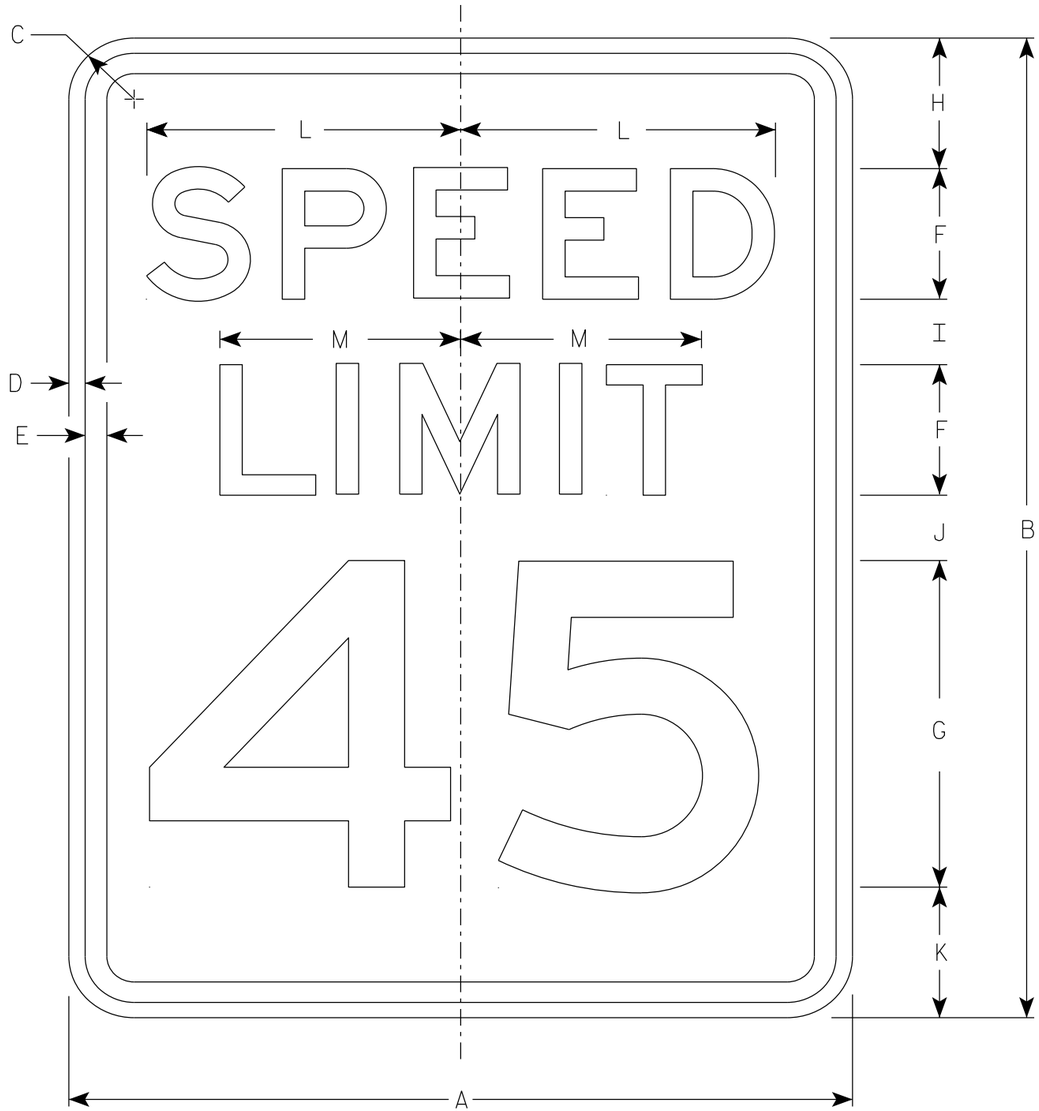
STANDARD SIGN
R1-1F

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: 275	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

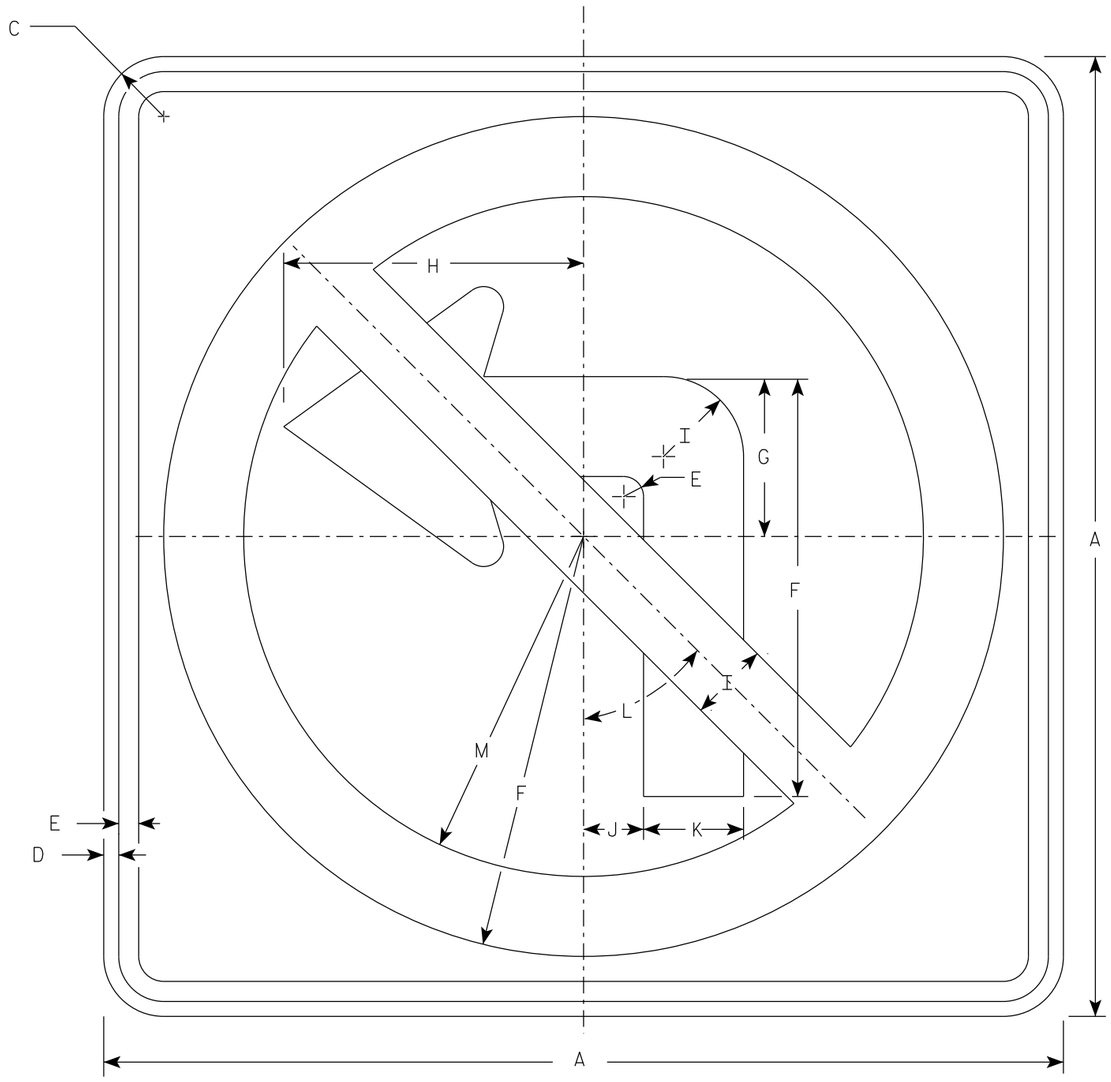
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

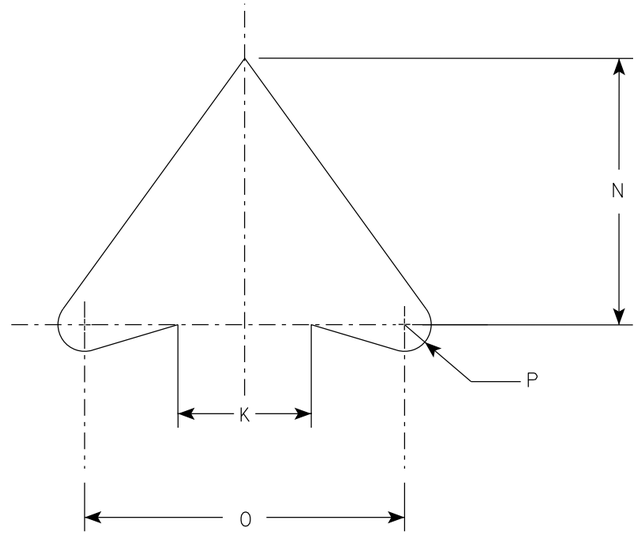
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 276 | E

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.



R3-2



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											4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											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											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											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											9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

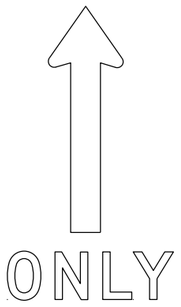
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

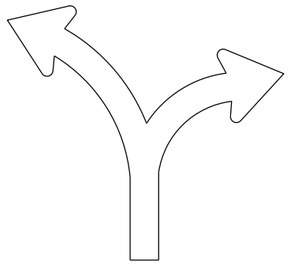
DATE 2/2/23 PLATE NO. R3-2.11

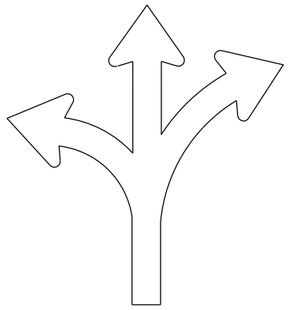
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 277 | E

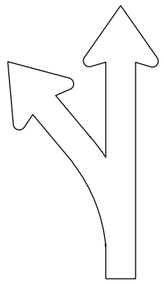


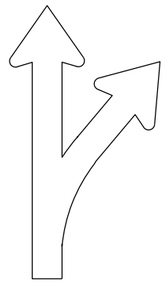
(A)

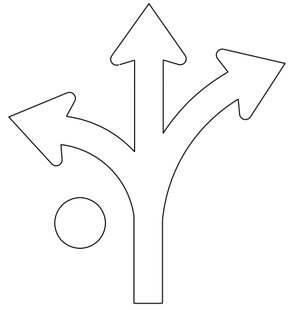
(B)

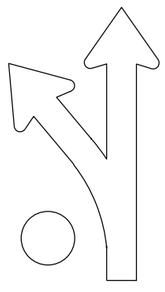

(C)

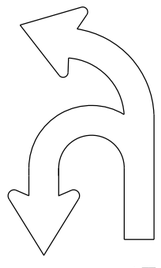

(D)

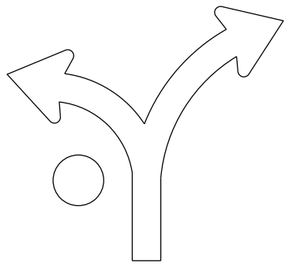

(E)

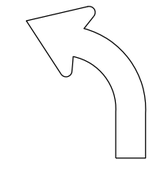

(F)


(G)

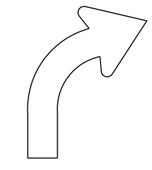

(H)


(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: 278 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

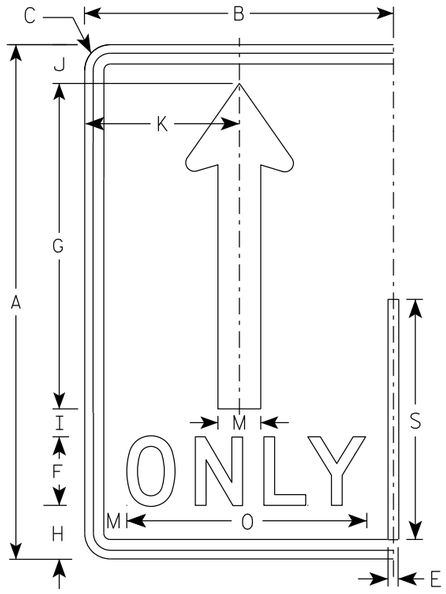
WISDOT/CADDS SHEET 42

7

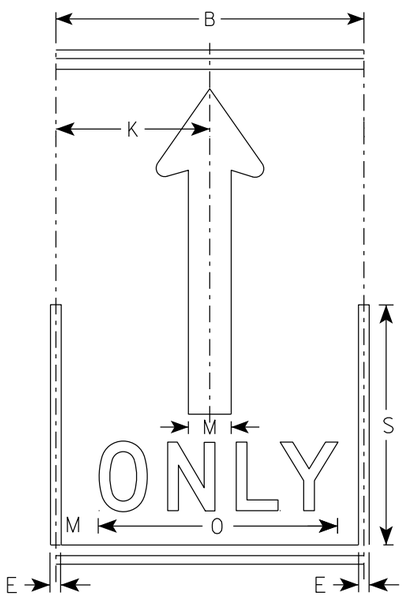
7

NOTES

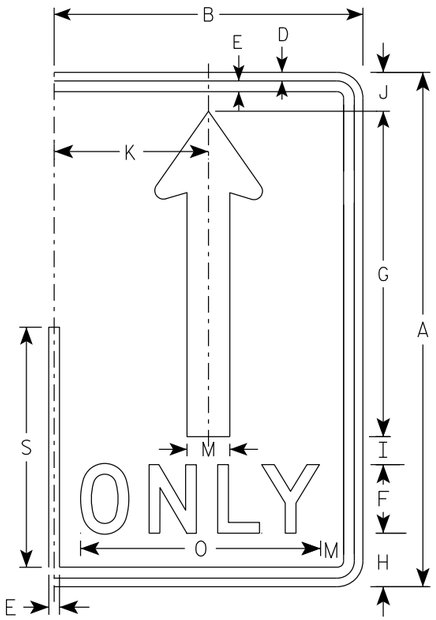
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



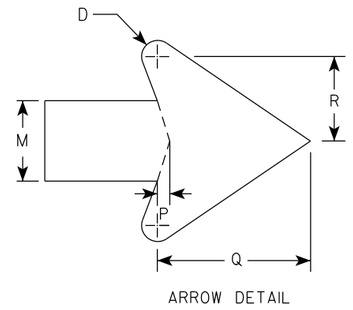
(A)



(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

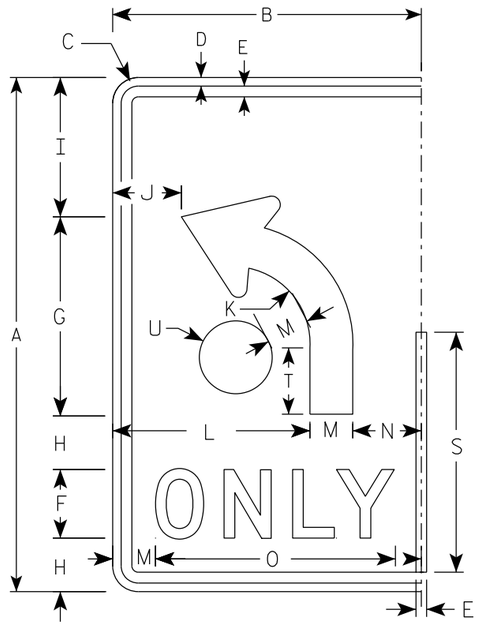
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

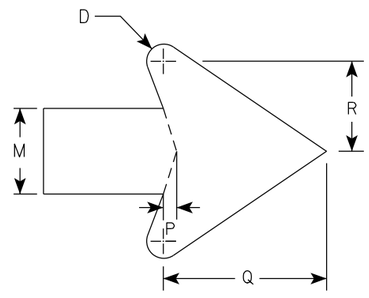
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 279 | E

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

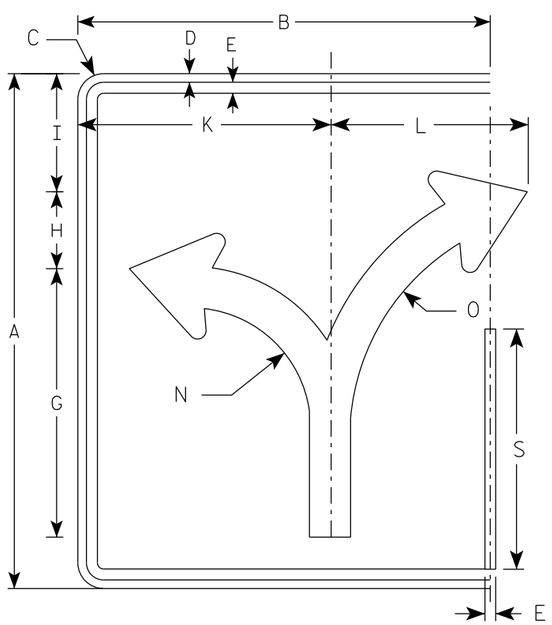
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

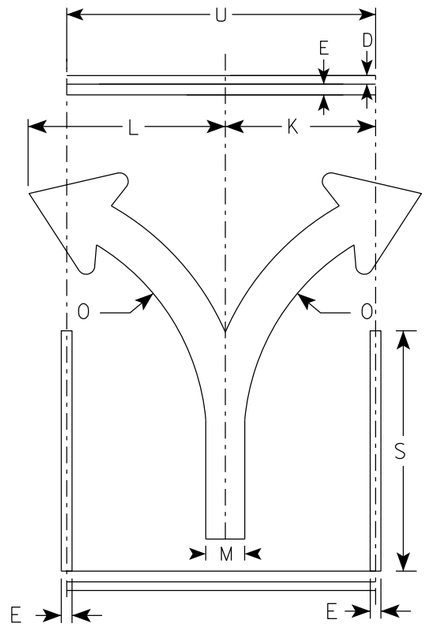
SHEET NO: 280 E

NOTES

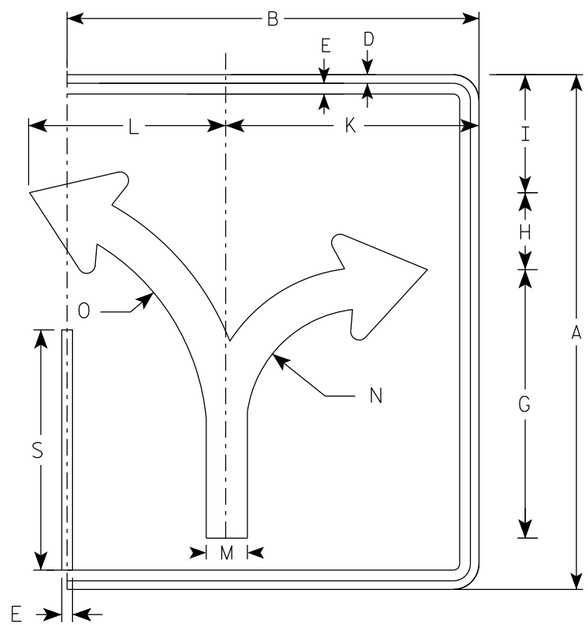
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



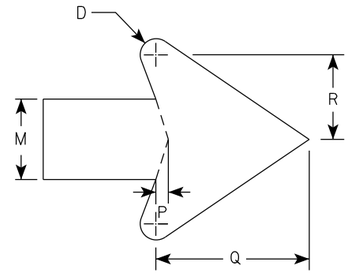
(C)



(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

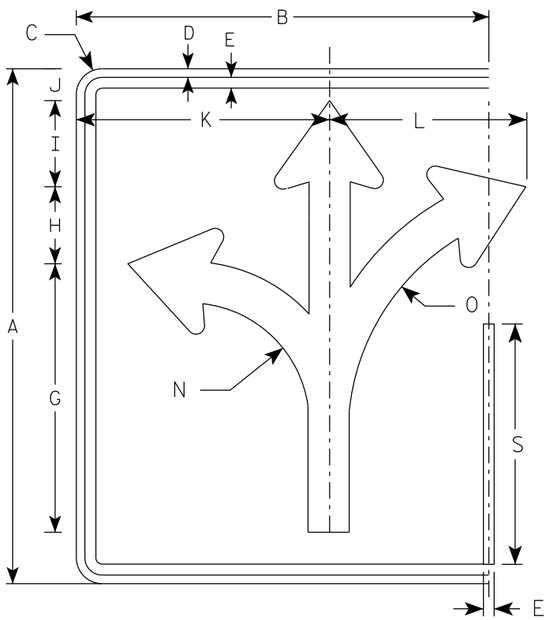
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

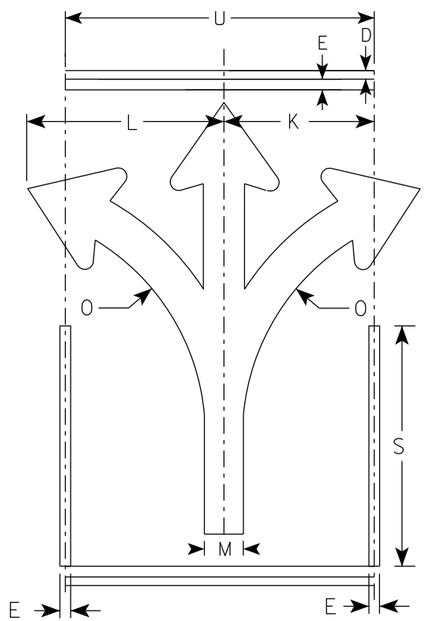
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 281 | E

NOTES

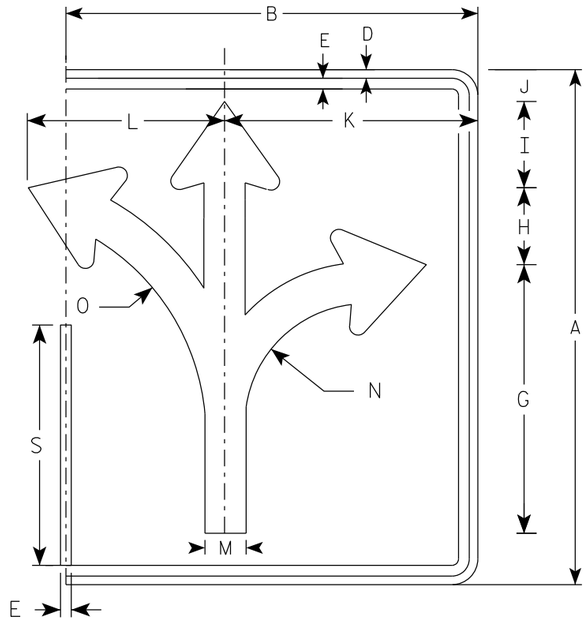
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



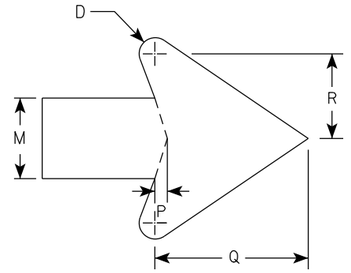
(D)



(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

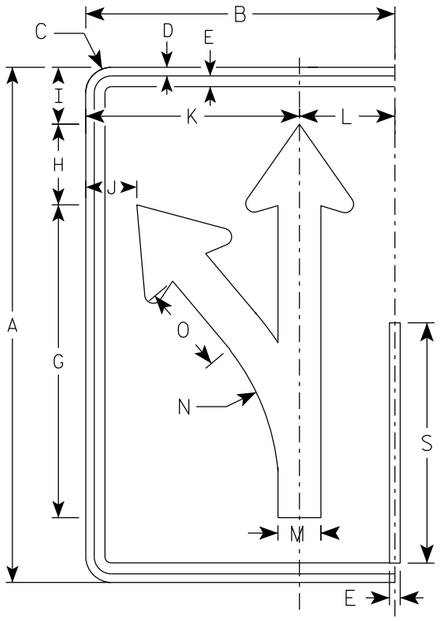
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

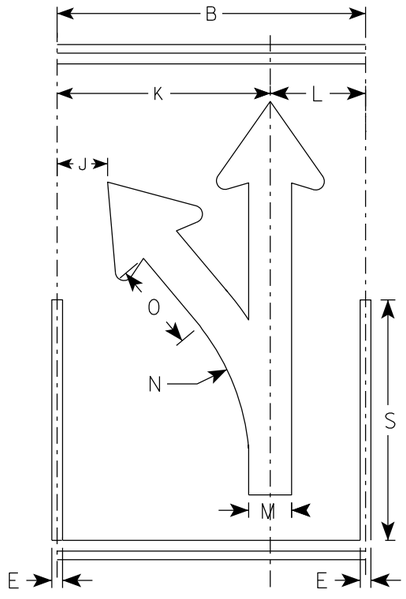
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 | E

NOTES

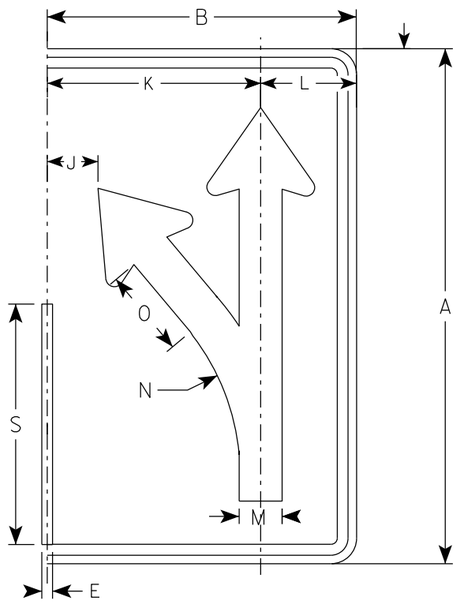
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



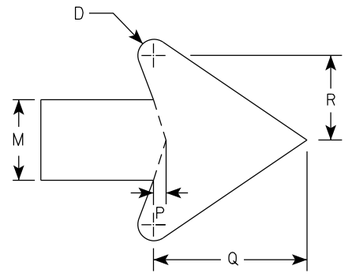
(E)



(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

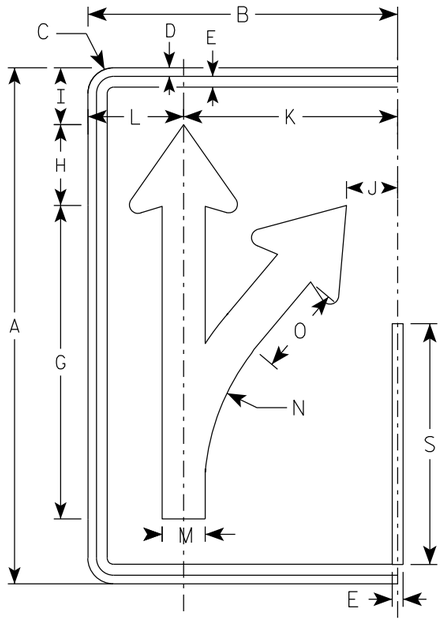
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

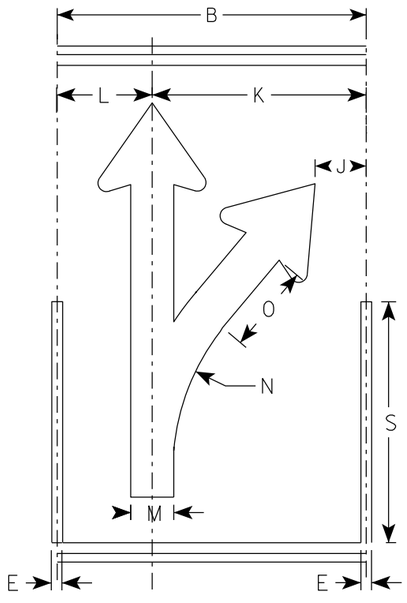
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 283 | E

NOTES

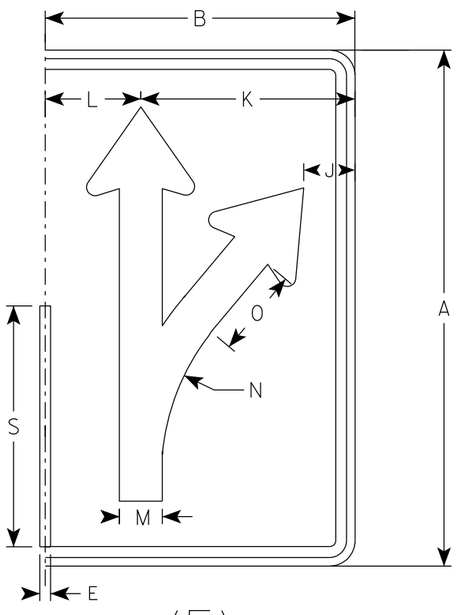
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



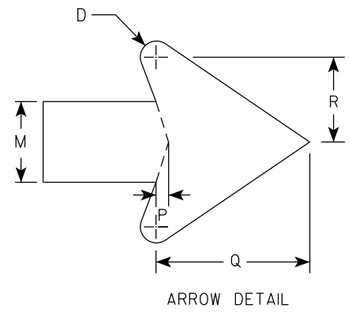
(F)



(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

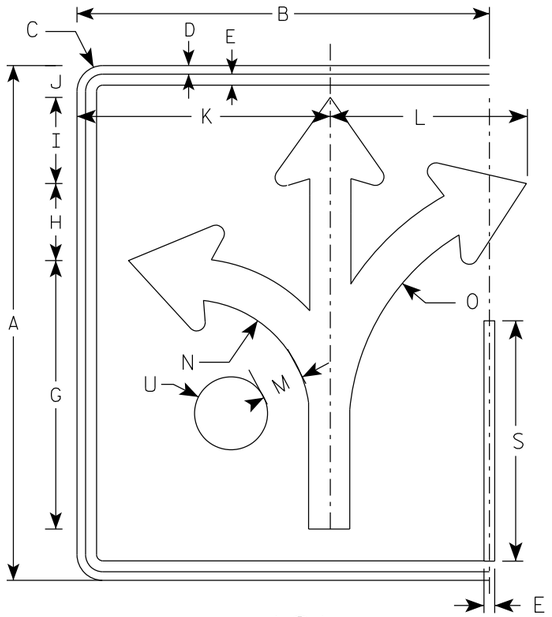
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

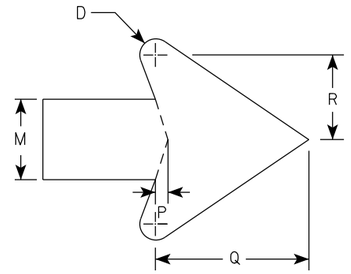
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284 | E

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

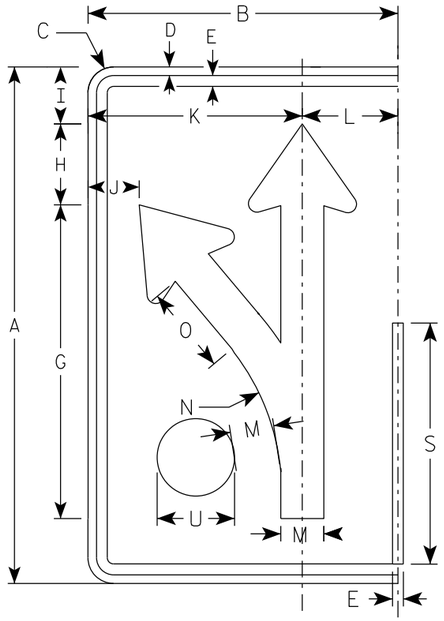
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

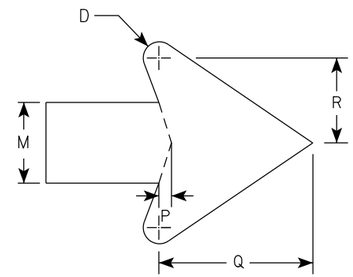
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 285	E

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

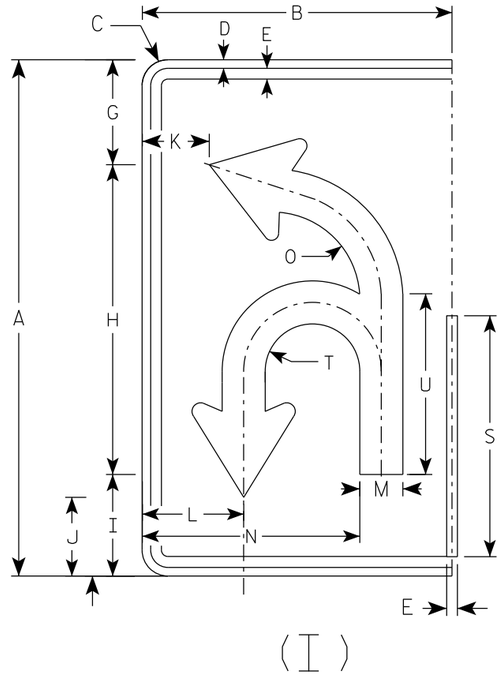
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

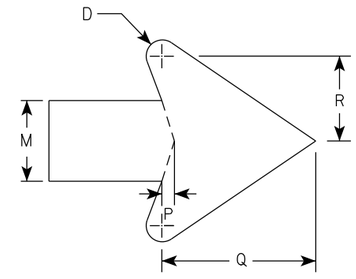
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E

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

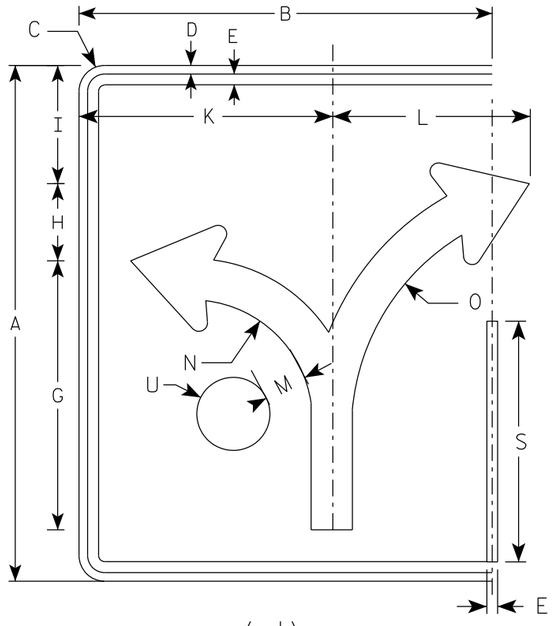
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E

7

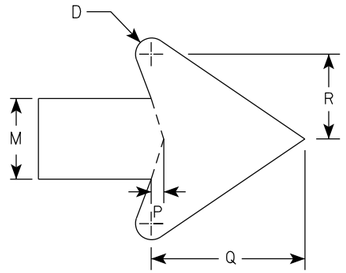
7

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

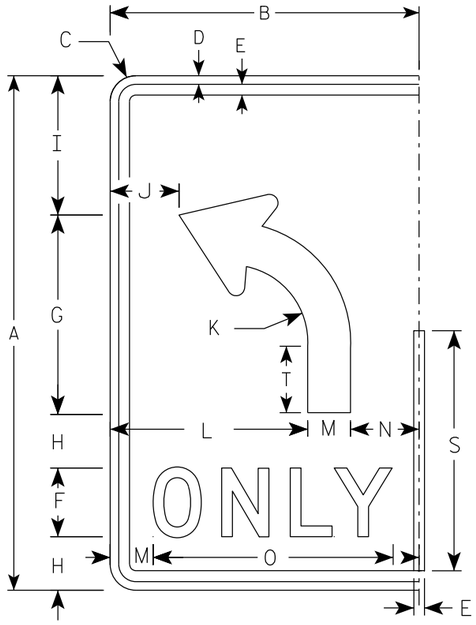
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

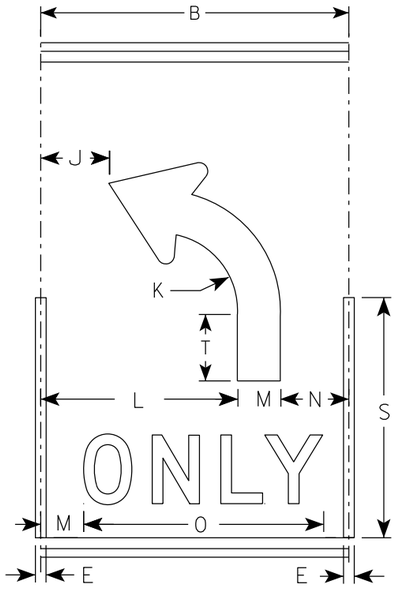
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 288 | E

NOTES

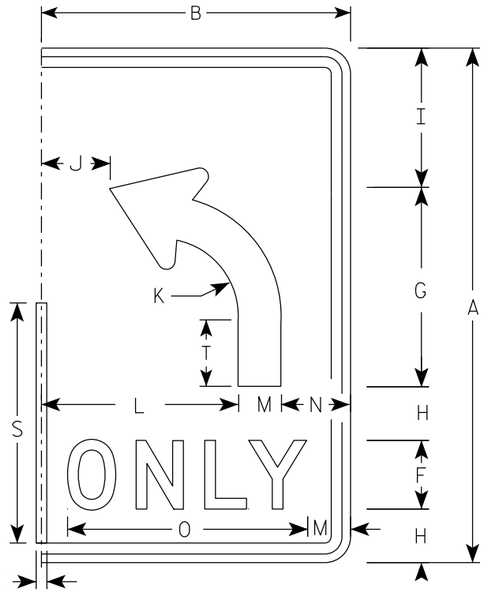
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



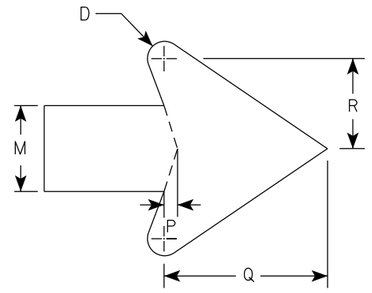
(L)



(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 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
2M	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
3	36	24	1 ½	½	⅝	5	14	3 ½	9 ¾	6	5 ⅜	15	3	6	17 ⅝	½	5 ¾	3 ⅛	16 ¾	4 ⅝							6.0
4	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0
5	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

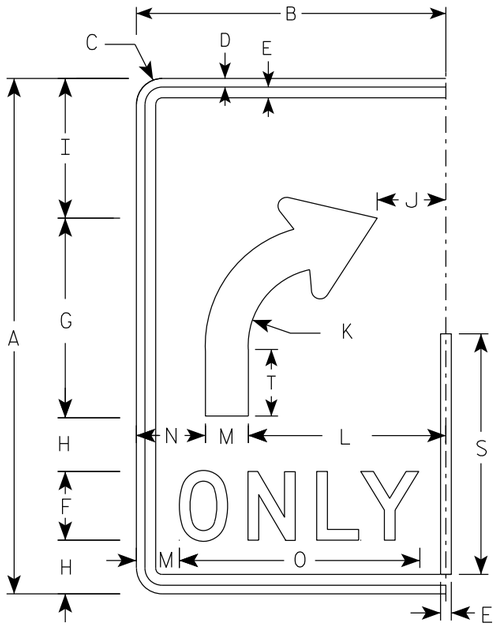
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

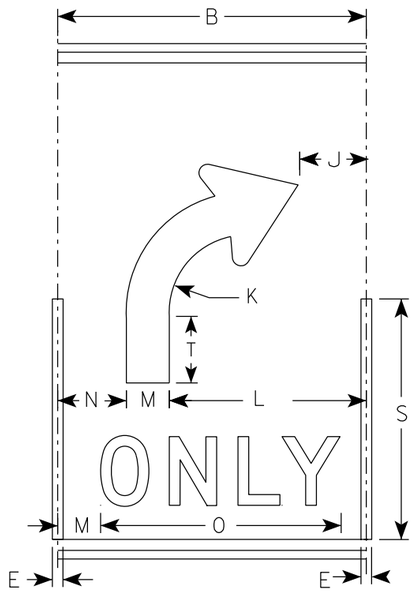
SHEET NO: 289 E

NOTES

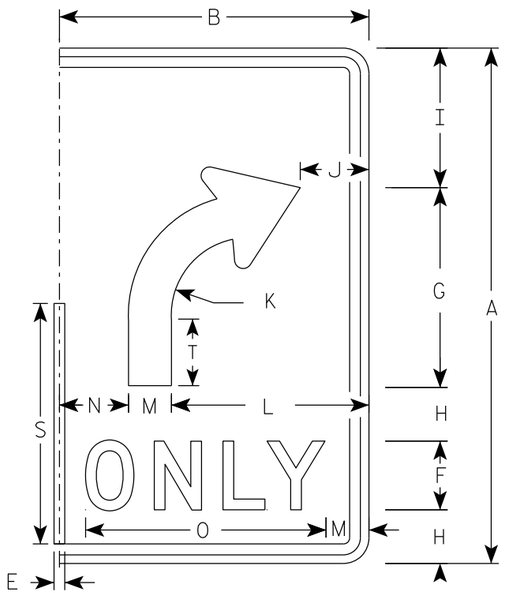
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



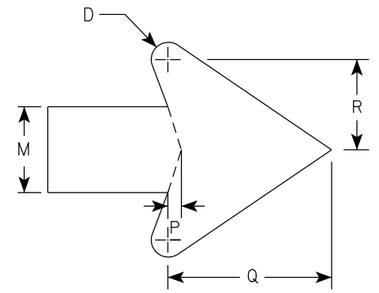
(R)



(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

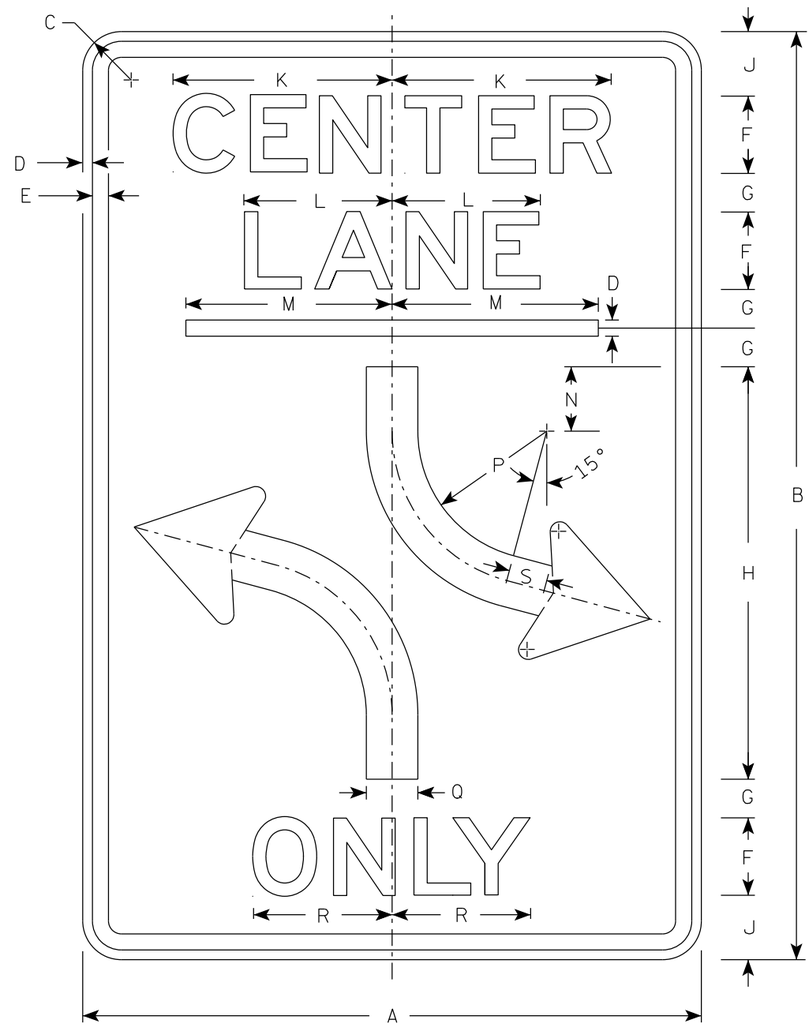
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

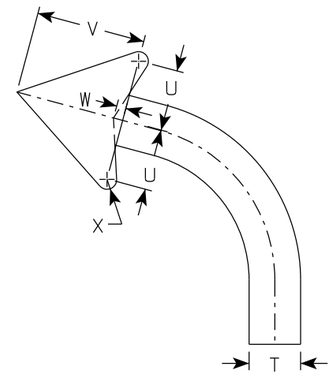
SHEET NO: 290 **E**



R3-9B

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 ½	⅜	½	3	1 ½	16		2 ½	8 ½	5 ¾	8	2 ½		6	2	5 ⅛	1 ½		2 ⅜	4 ⅜	⅜				6.0
2M	24	36	1 ½	⅜	½	3	1 ½	16		2 ½	8 ½	5 ¾	8	2 ½		6	2	5 ⅛	1 ½		2 ⅜	4 ⅜	⅜				6.0
3	36	48	1 ⅞	⅝	⅞	5	1 ½	20		3 ½	14 ⅛	9 ½	12	3		4	3	9 ⅞	2		3 ½	6 ⅛	½				12.0
4																											
5																											

STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

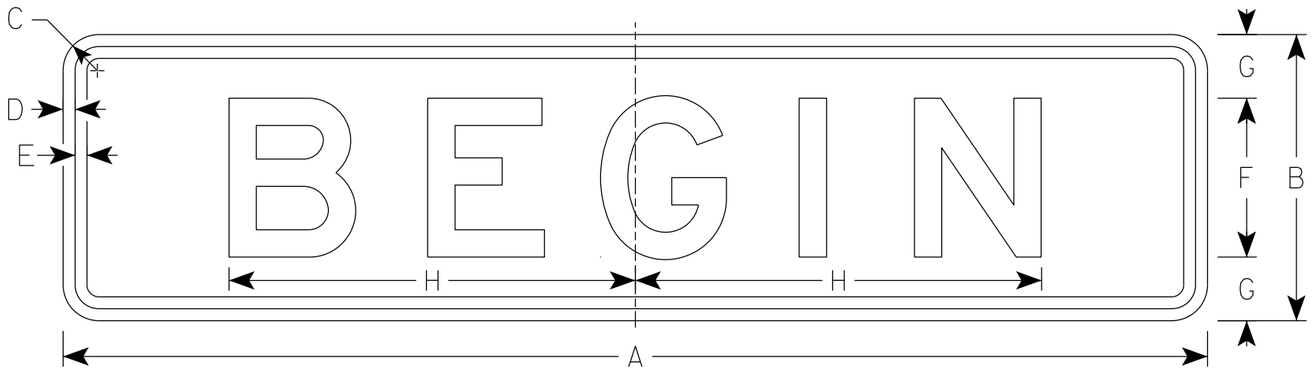
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/15/23 PLATE NO. R3-9B.6

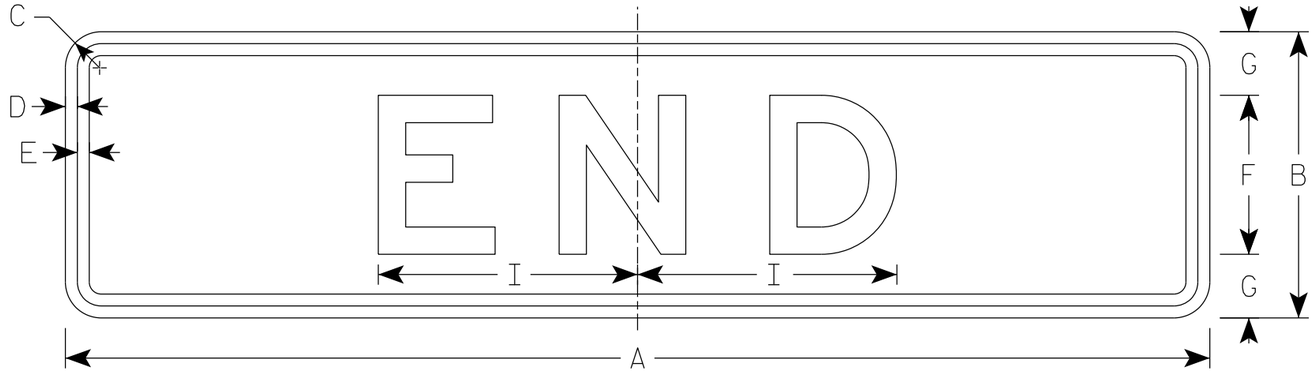
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



R3-9C



R3-9D

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	6	1 1/2	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/2	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/2	3/8	3/8	5	2	12 3/4	8 1/8																		2.25
4																											
5																											

STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

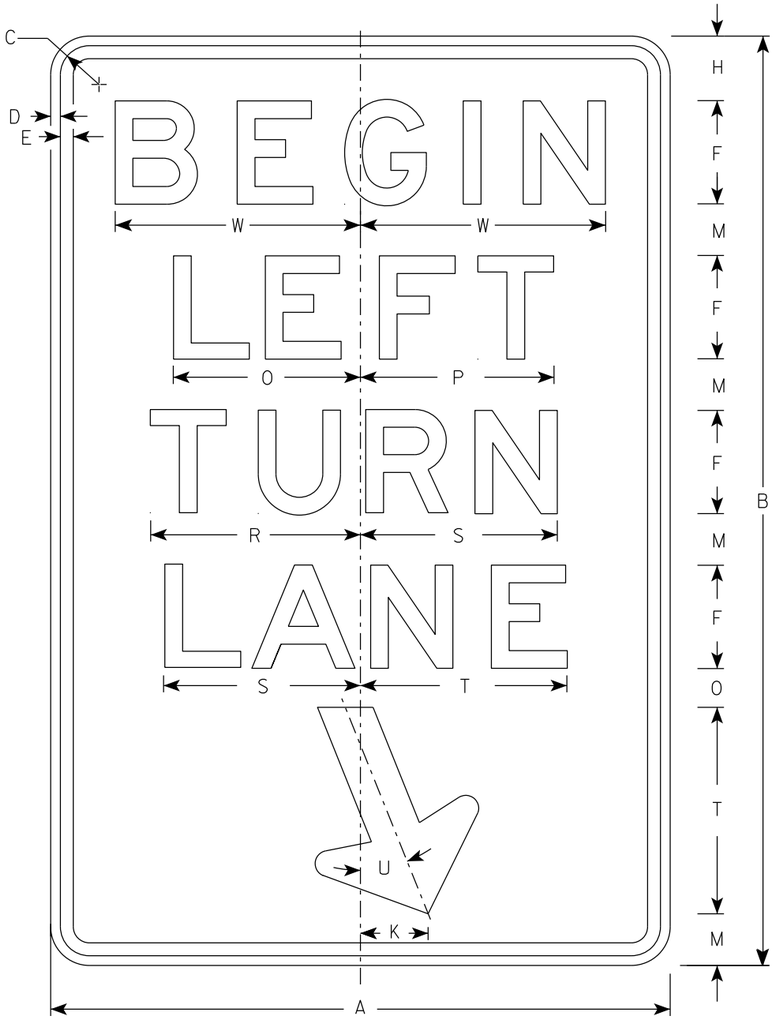
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-9C.4

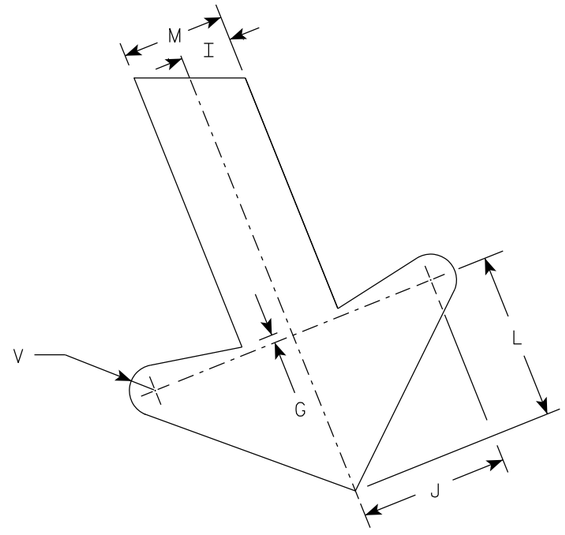
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 292	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



R3-20L



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																											

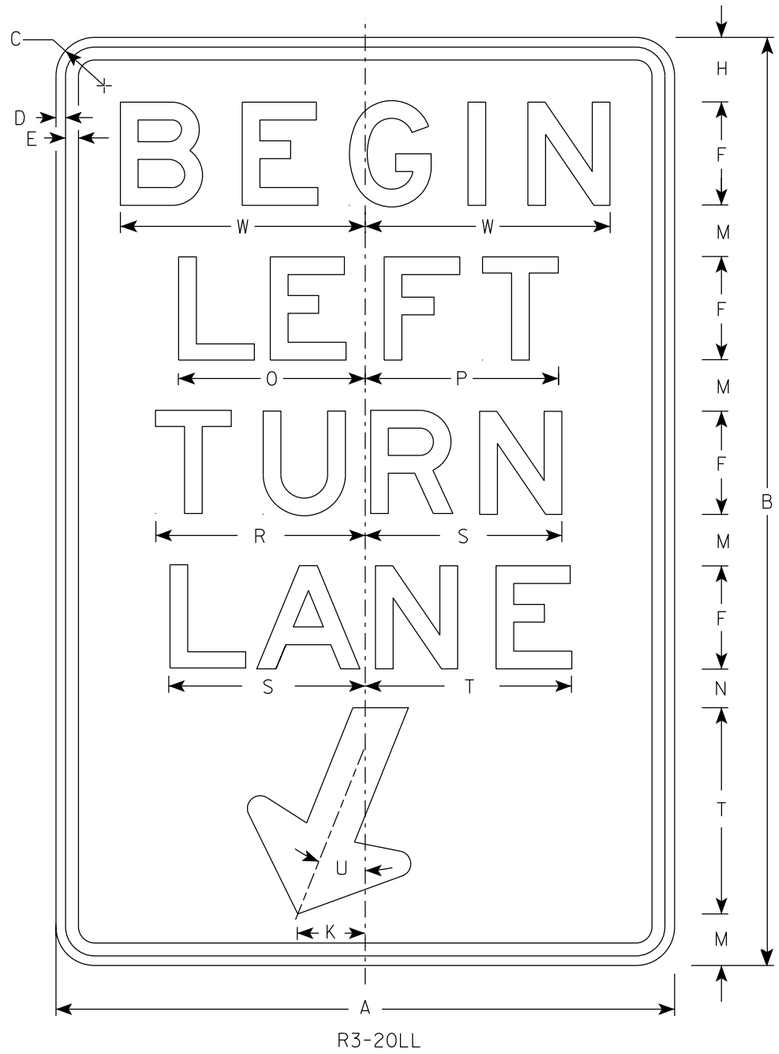
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

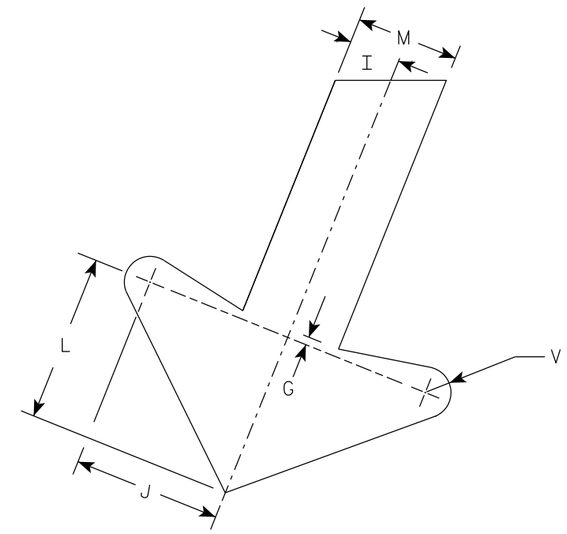
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 293	E



R3-20LL

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																											

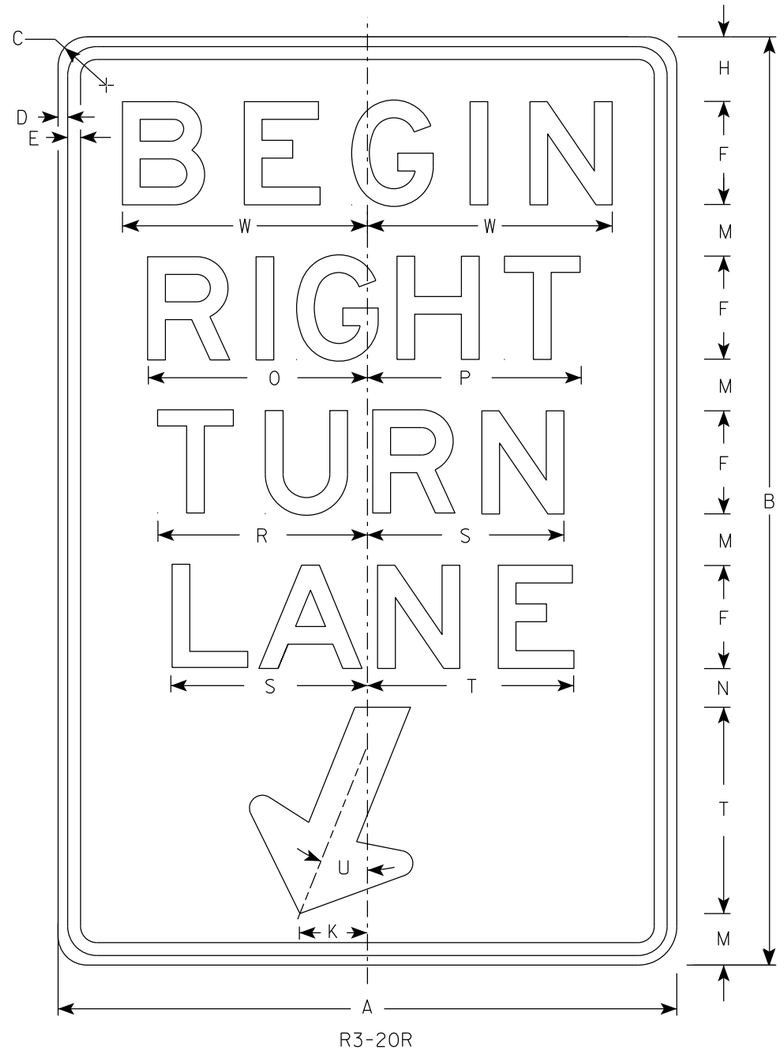
STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20LL.2

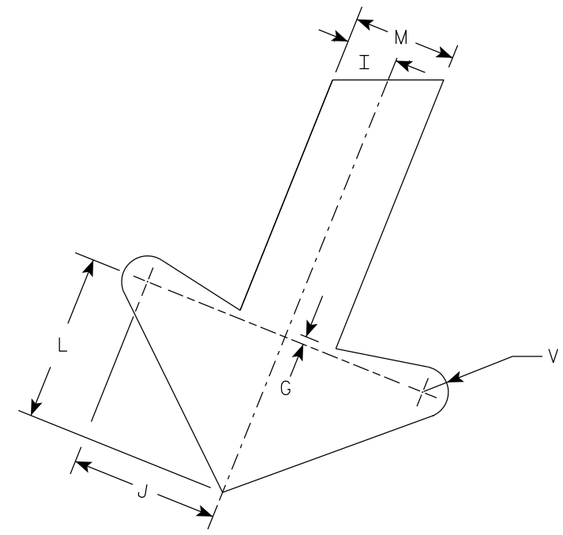
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E



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

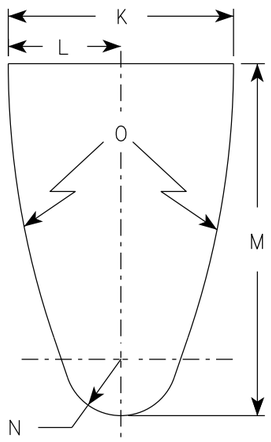
DATE 2/23/23 PLATE NO. R3-20R.7

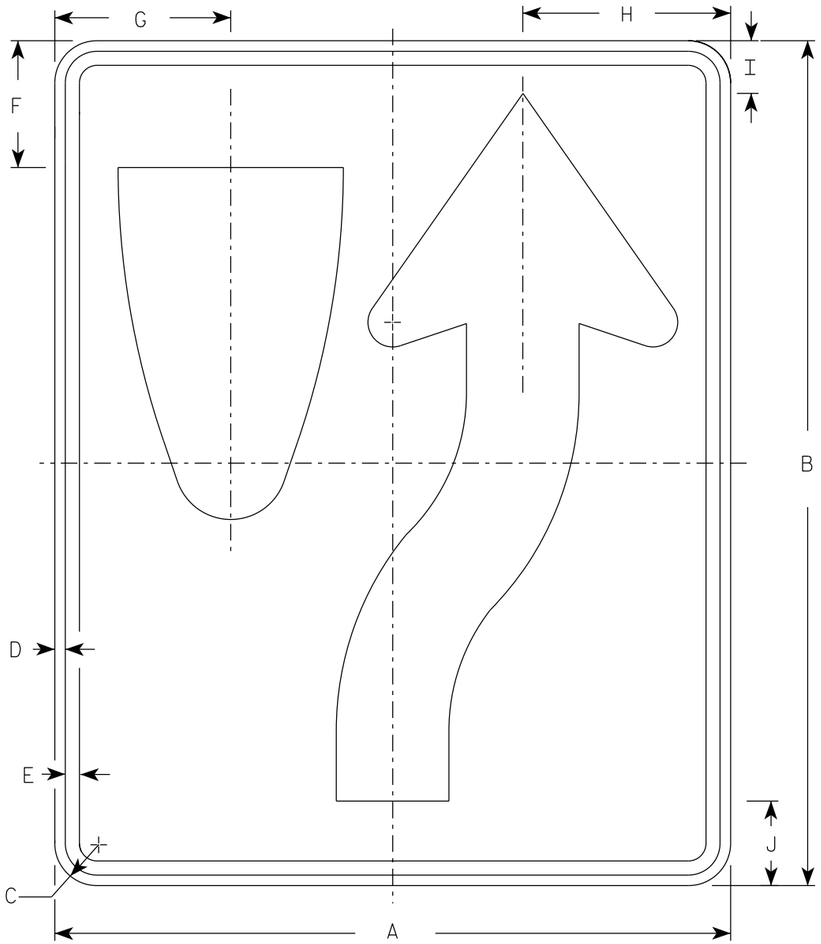
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E

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.

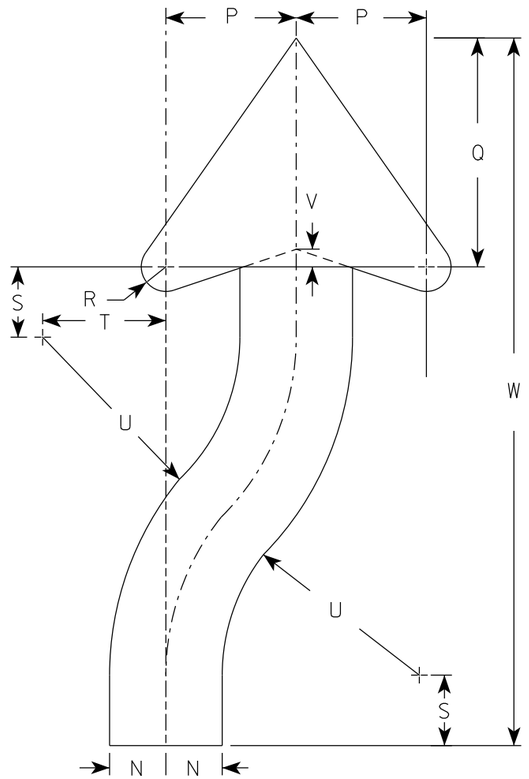
DIVIDER DETAIL





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

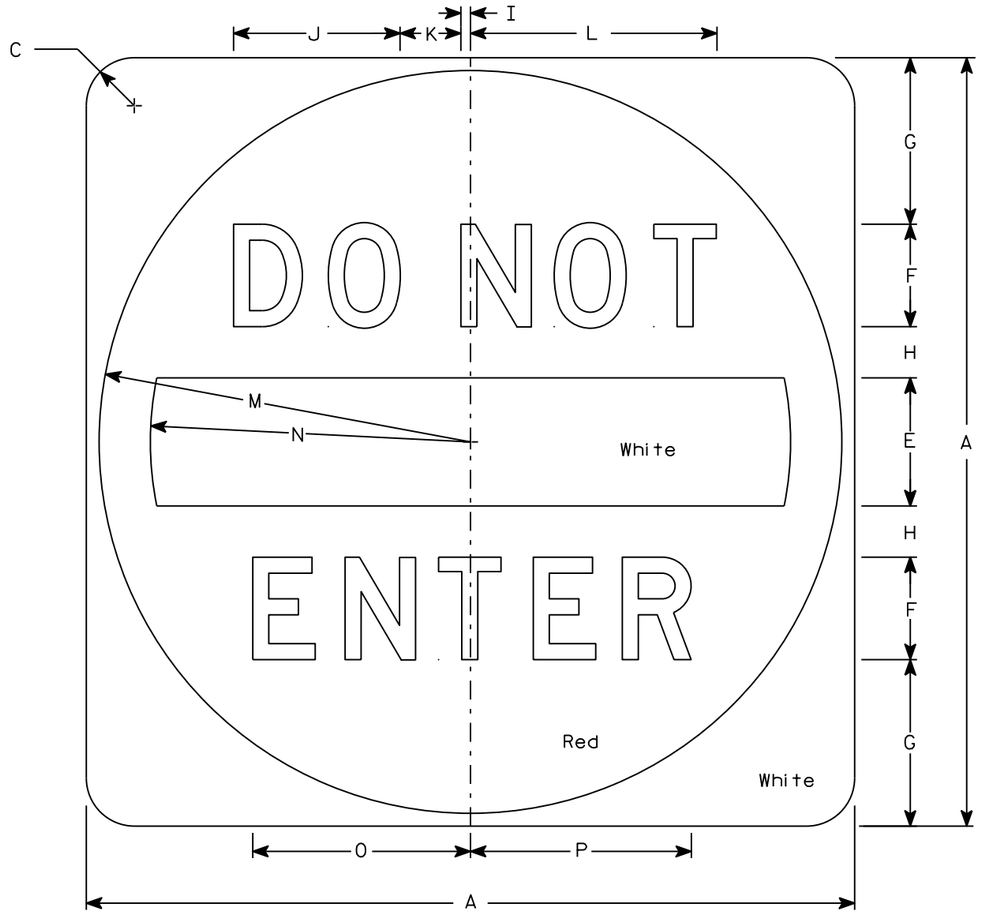
STANDARD SIGN
R4-7 & R4-8

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: 296	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

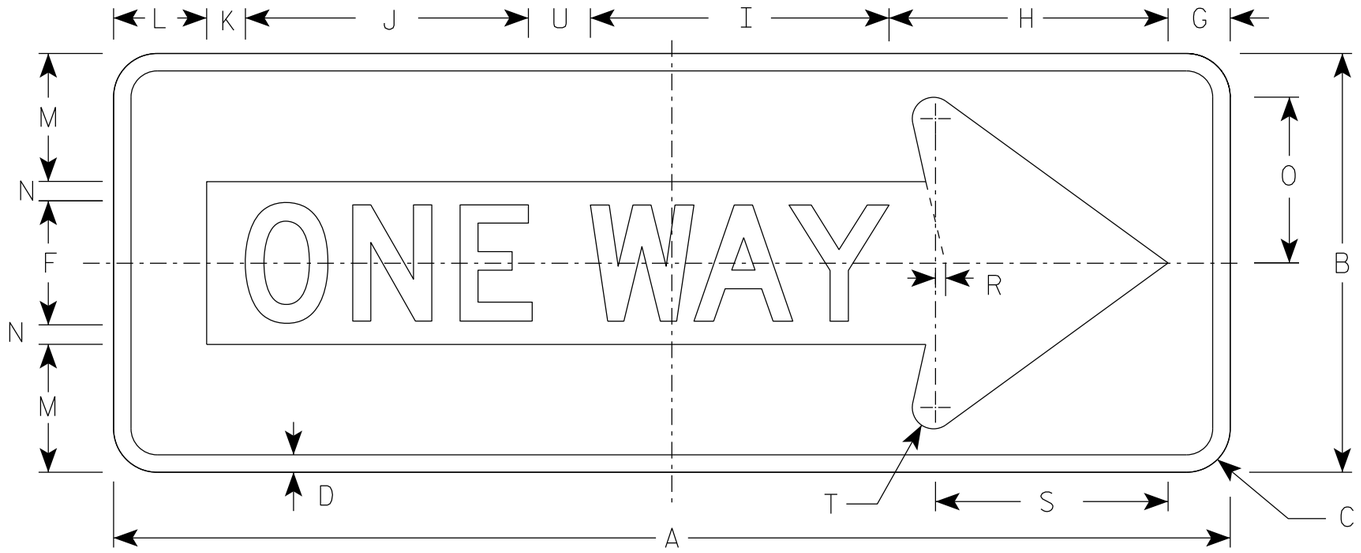
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

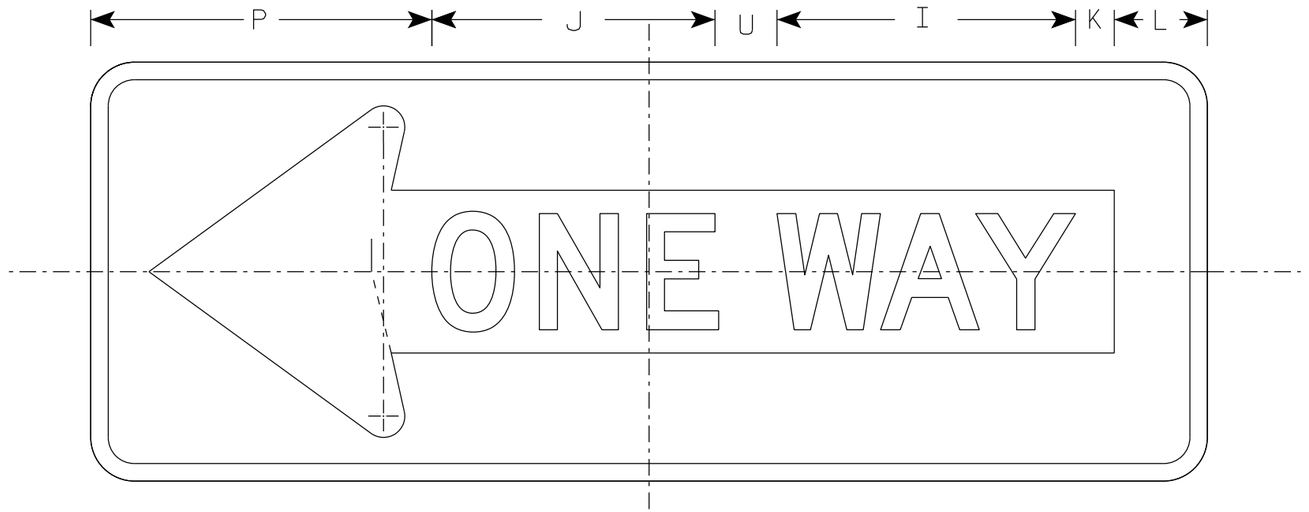
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E



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: 298 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R61.dgn PLOT DATE : 7-APR 2025 1:18 PLOT BY : dotc4c

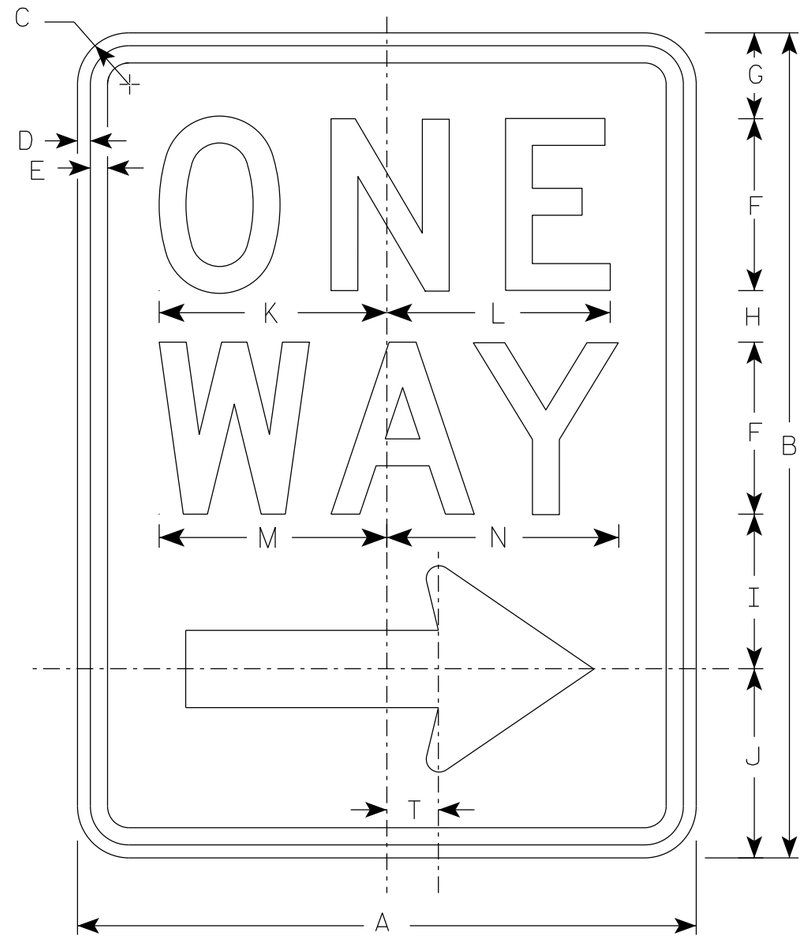
WISDOT/CADDS SHEET 42

7

7

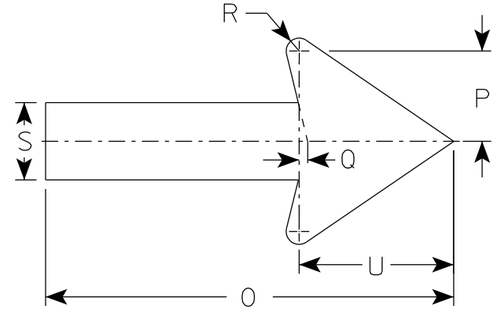
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
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																										

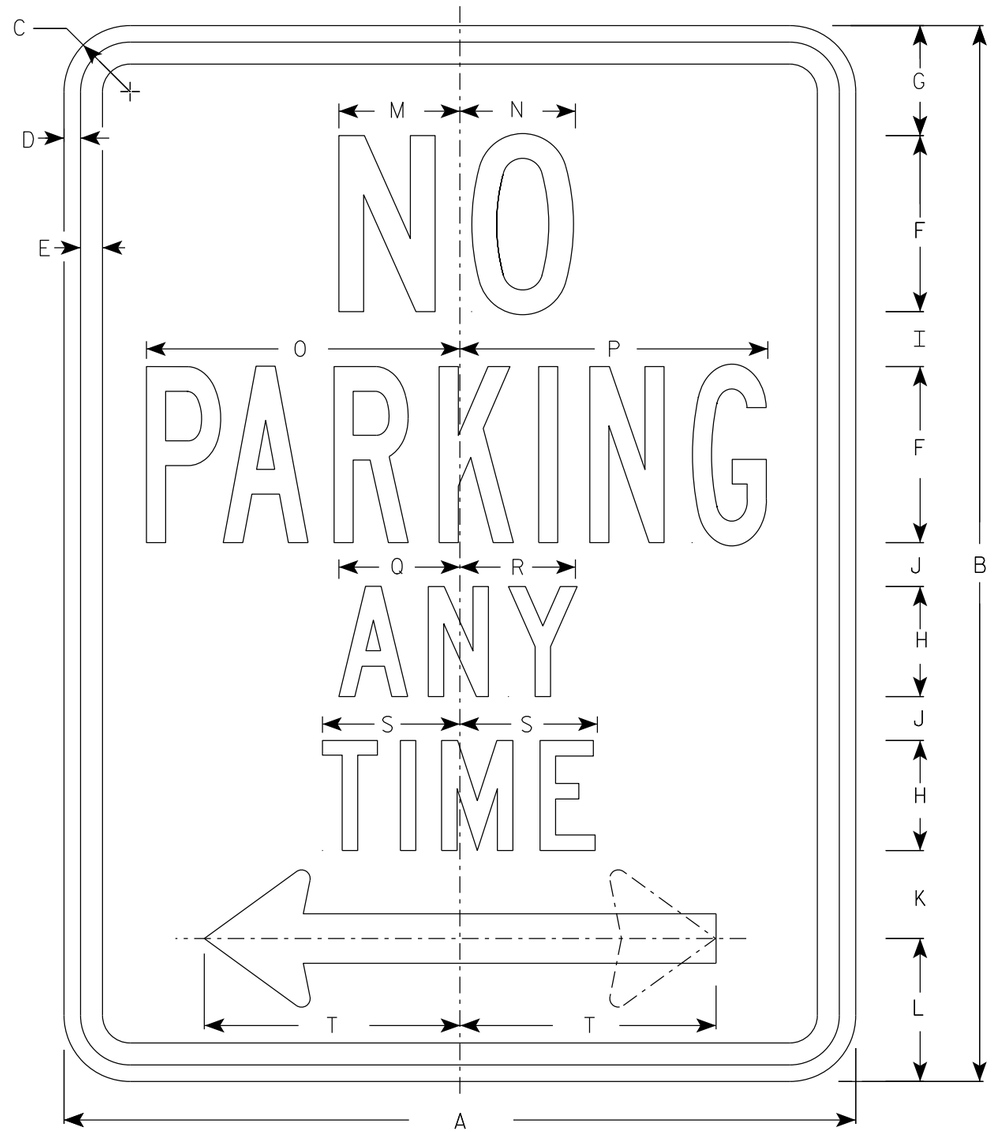
STANDARD SIGN
R6-2 R&L

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: 299	E

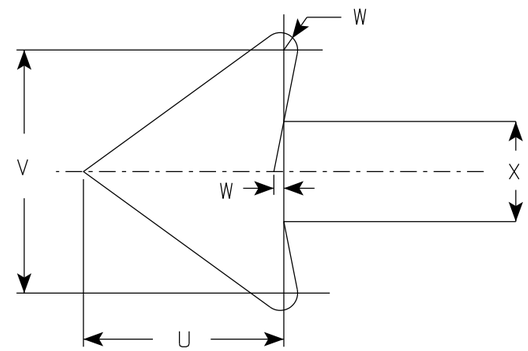


R7-1

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																											

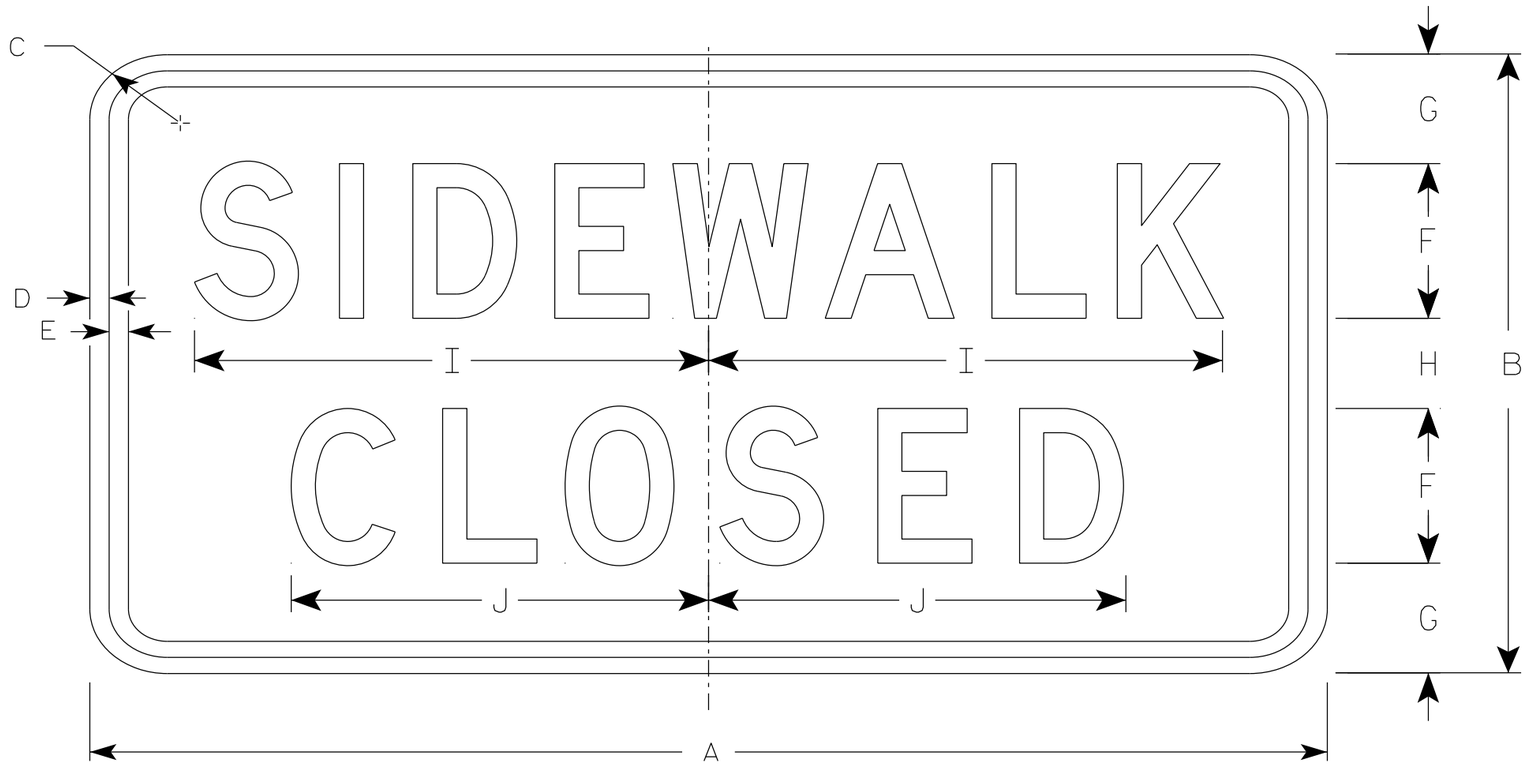
STANDARD SIGN
R7-1

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: 300 | 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

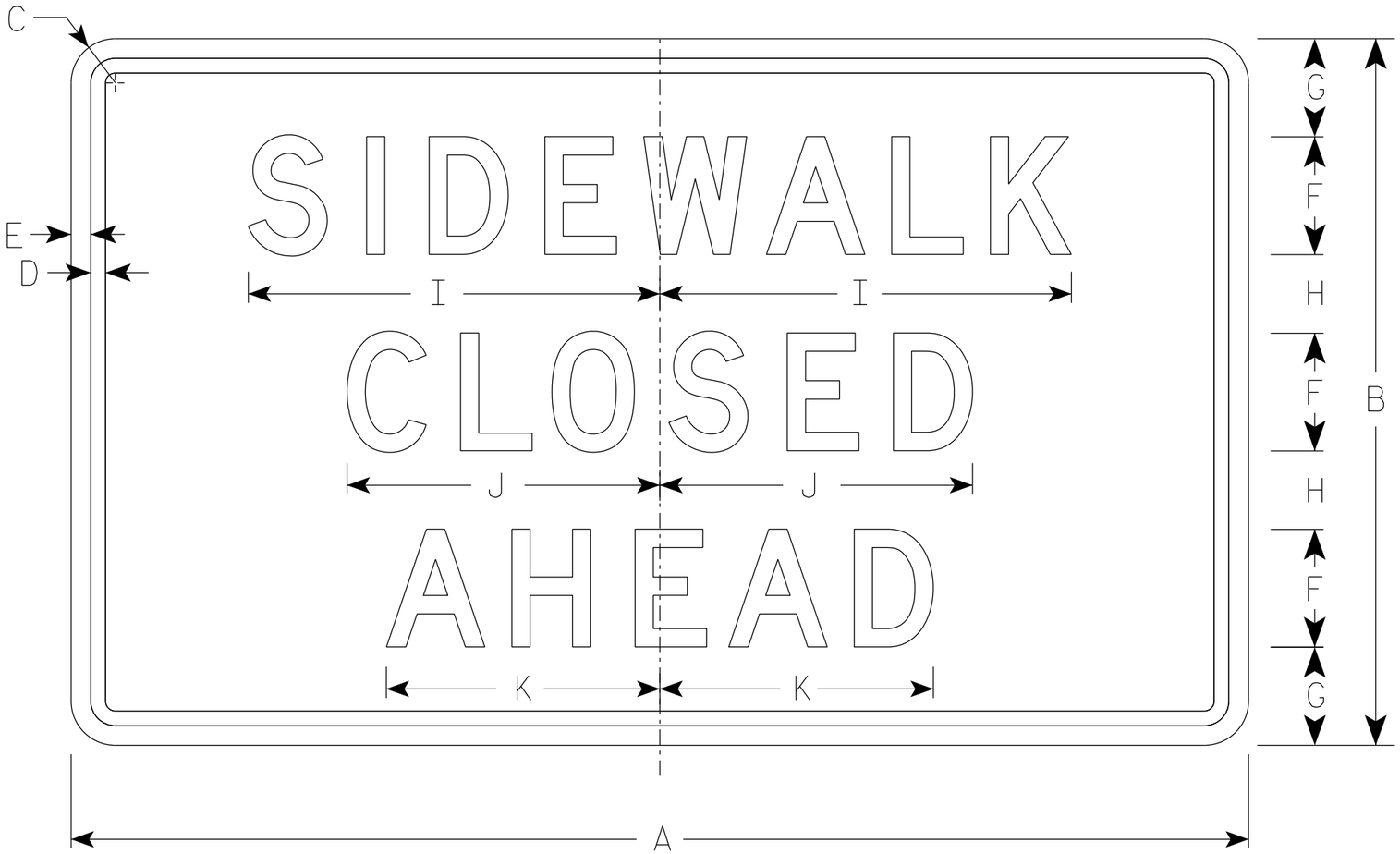
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | 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																											

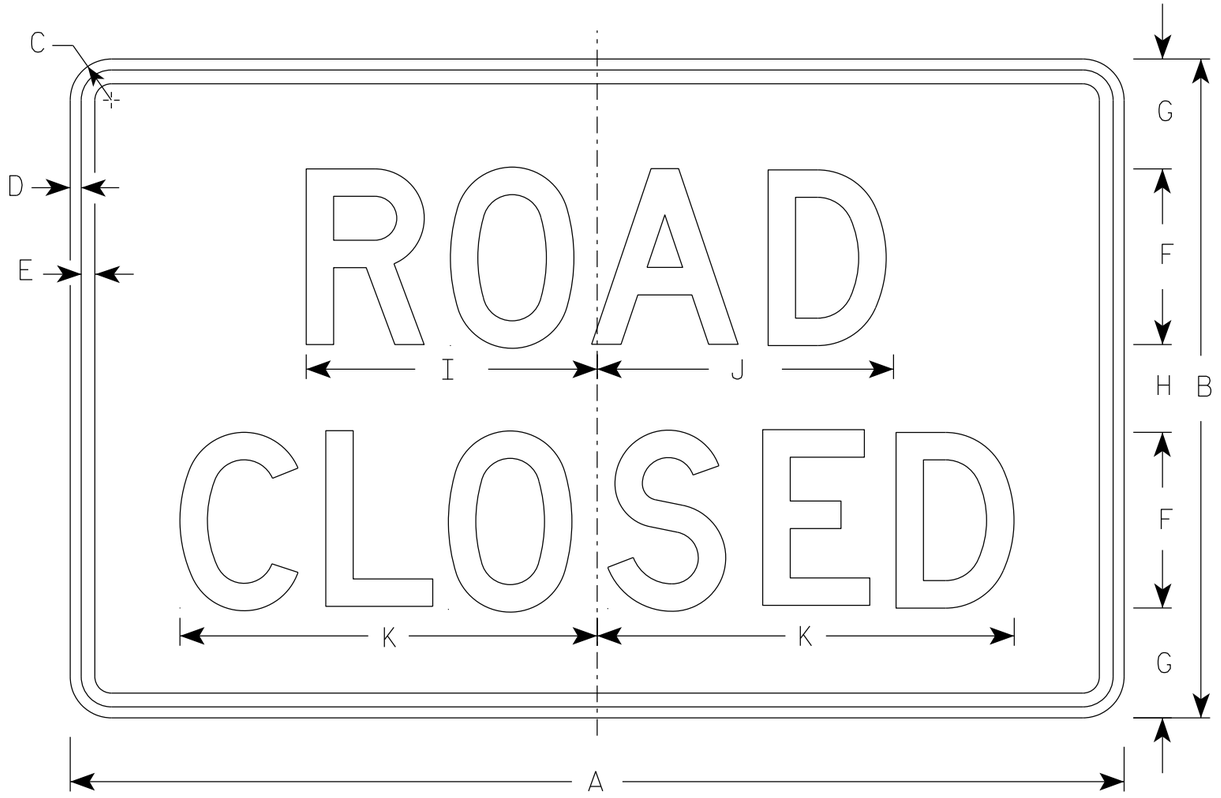
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

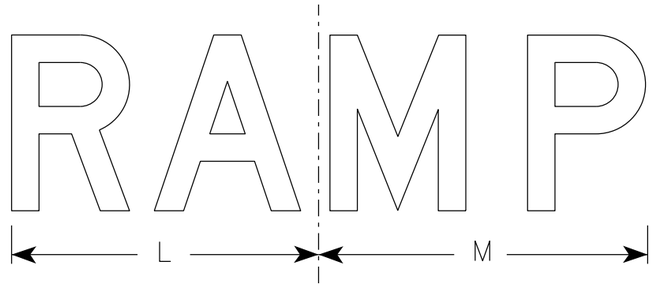
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E



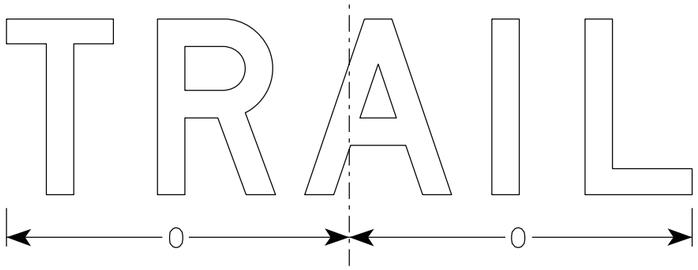
R11-2

NOTES

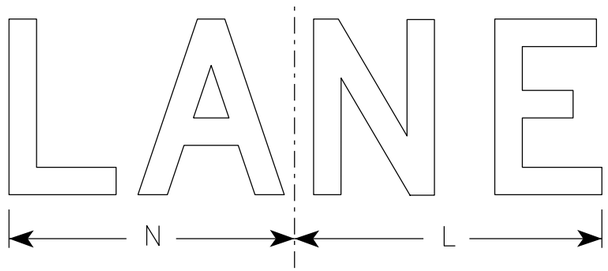
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

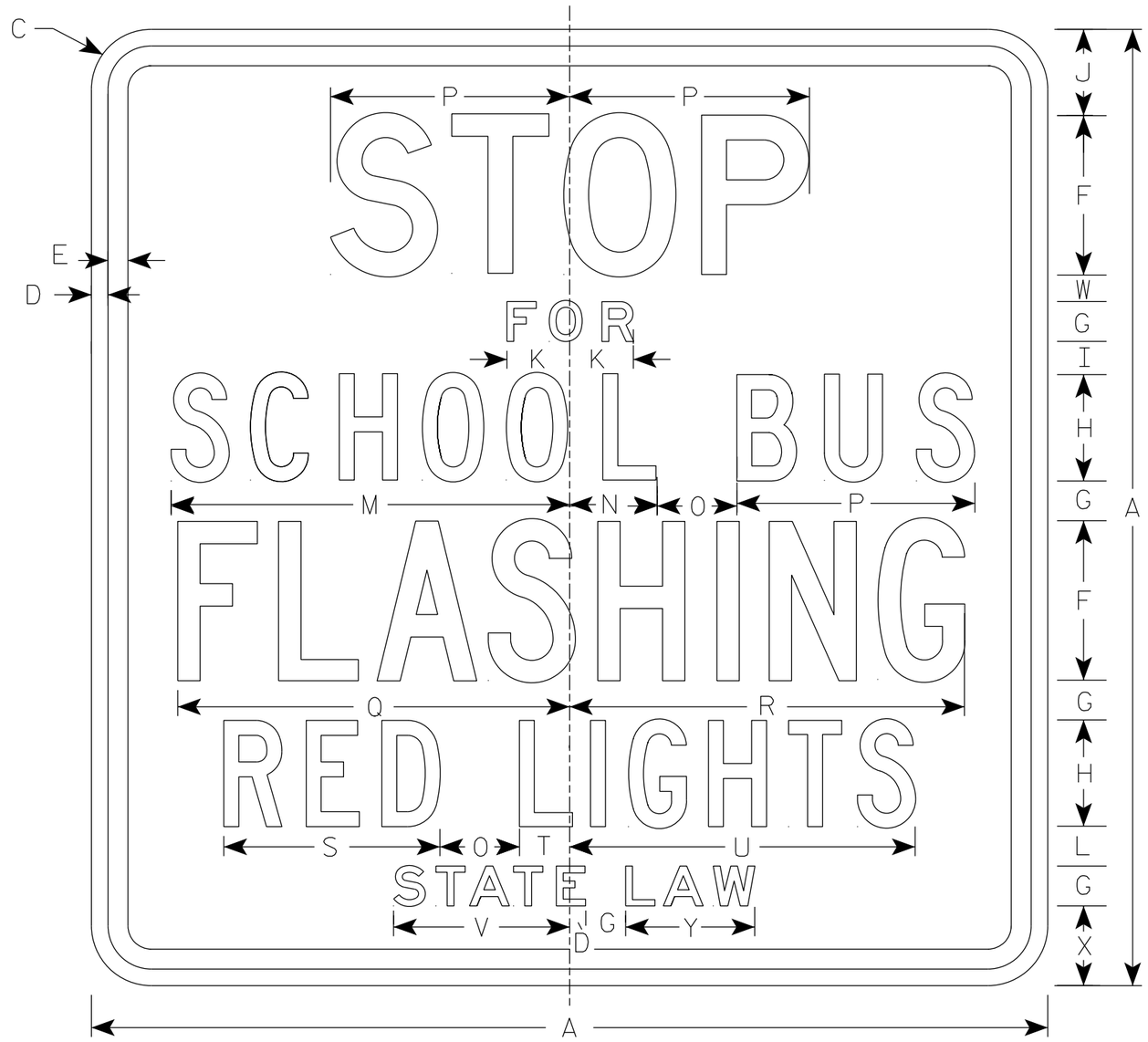
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



R59-51

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series D
   Lines 2 & 6 are Series E
   Line 3, 4 & 5 are 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																											
2S	36		2 1/4	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
2M	36		2 1/4	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
3	48		1 7/8	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		1 7/8	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											

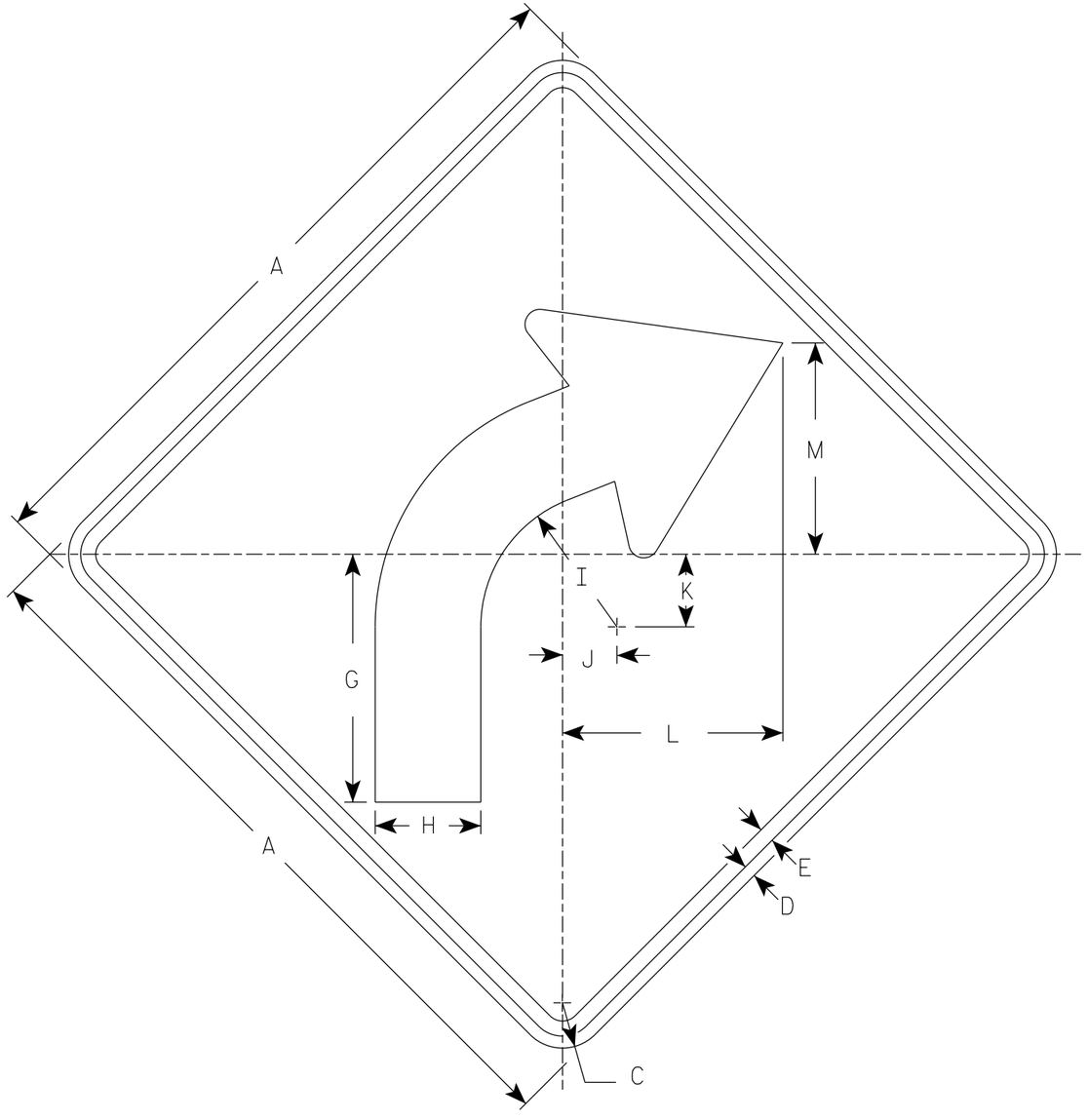
STANDARD SIGN
R59-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/28/24 PLATE NO. R59-51.11

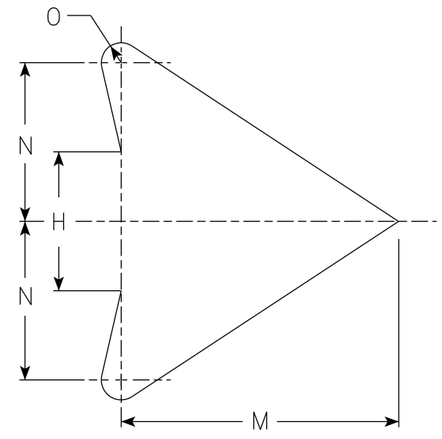
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E



W1-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W1-2L is the same as W1-2R except the arrow is 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	24		1 1/2	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 7/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

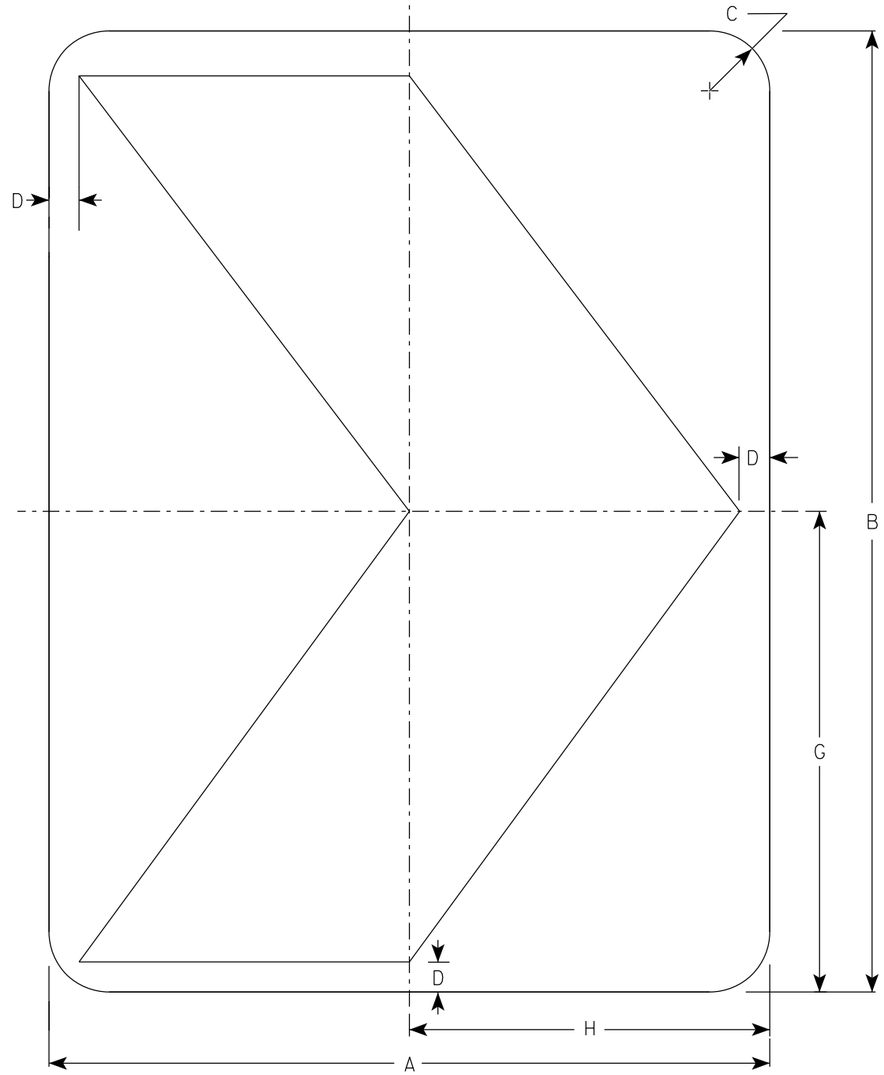
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/2023 PLATE NO. W1-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E



W1-8

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	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	1 ⅞	1 ½			24	18																			12.0

STANDARD SIGN

W1-8

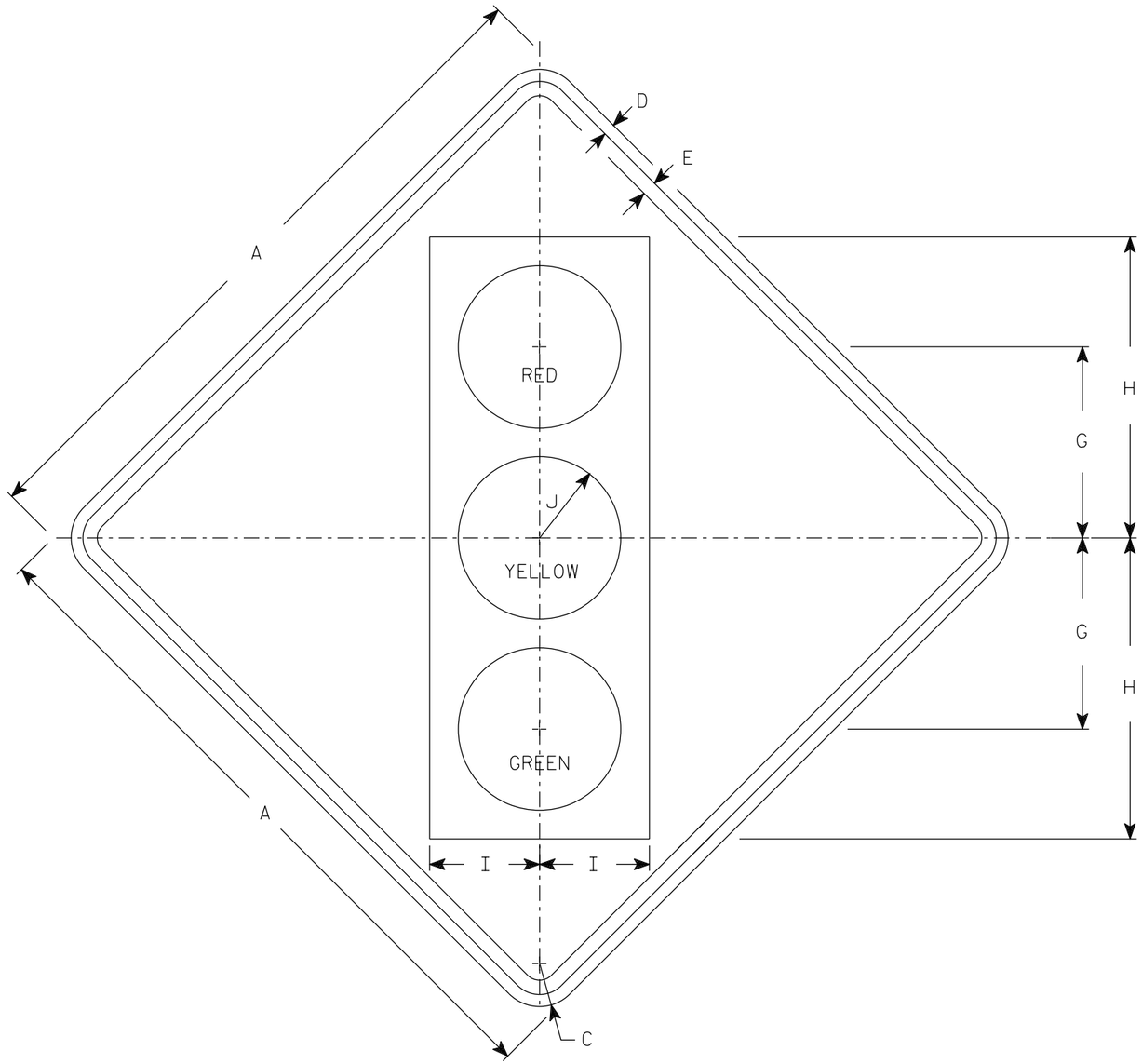
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/11/2023 PLATE NO. W1-8.7

PROJECT NO:

SHEET NO: 306 E



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

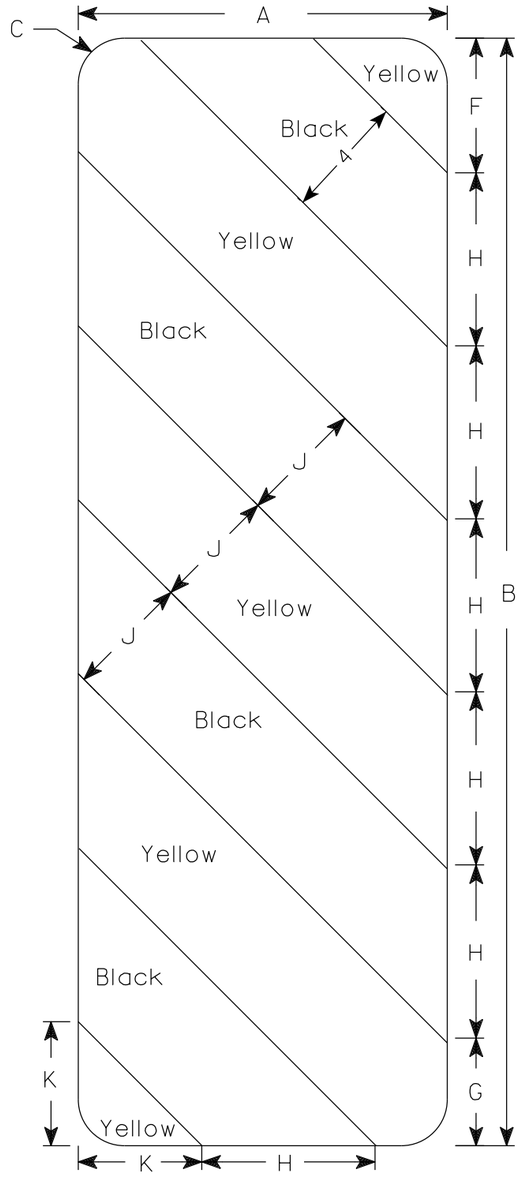
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

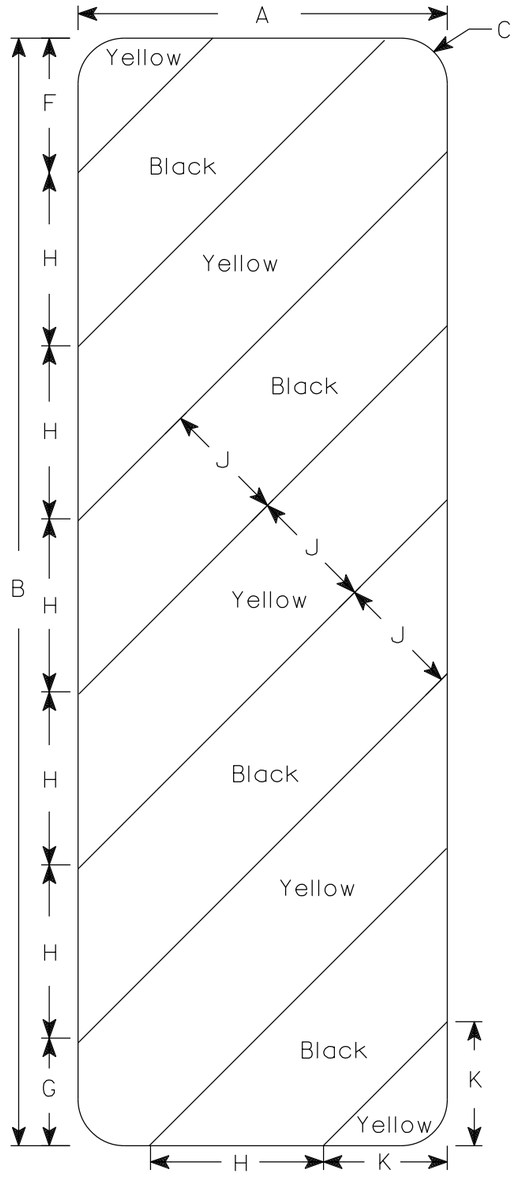
DATE 8/21/2023 PLATE NO. W3-3.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 307	E

7



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Alternate colors of stripes as shown.

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	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54	1 1/2			6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

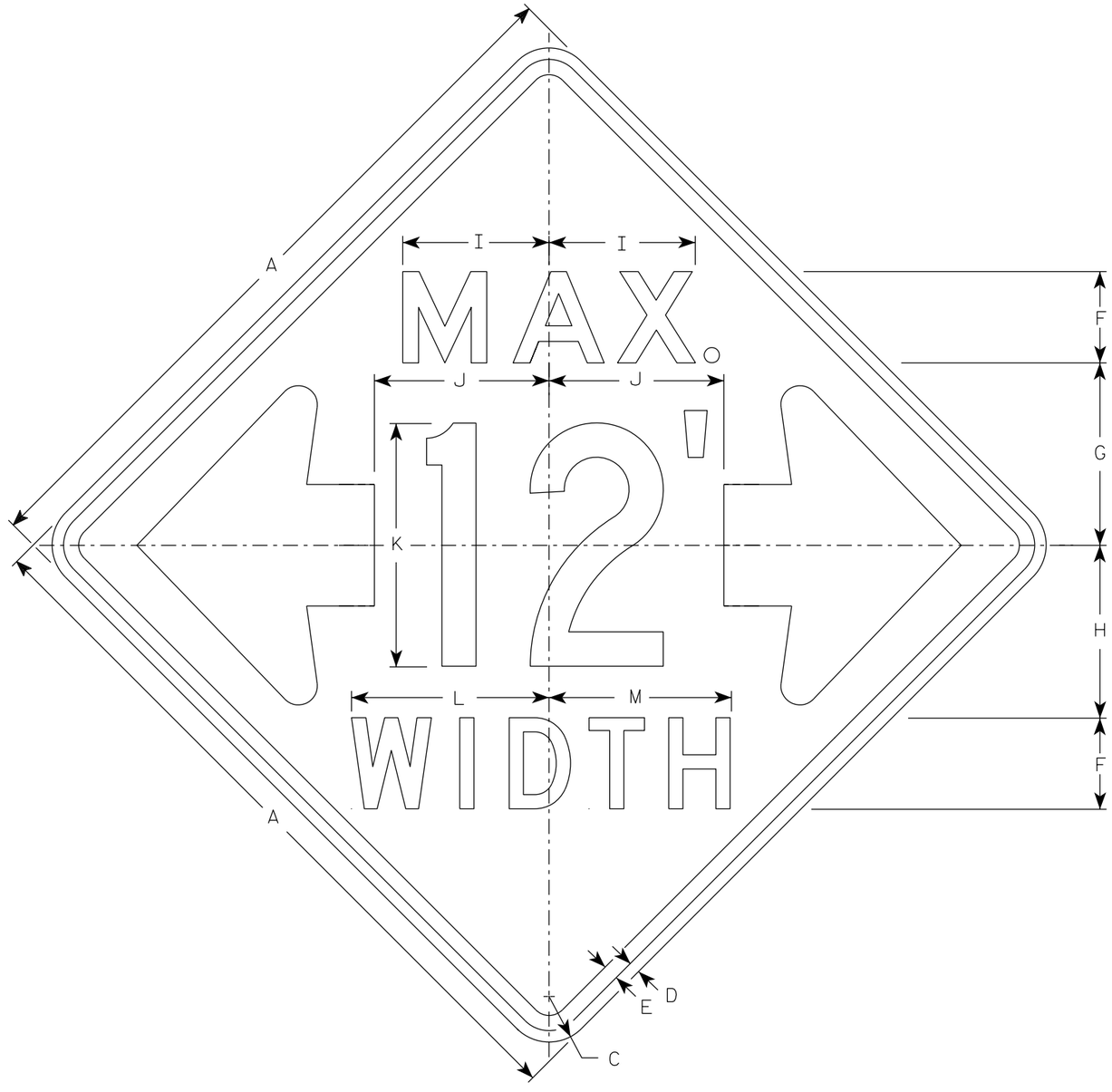
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/4/2024 PLATE NO. W5-52.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 E

7

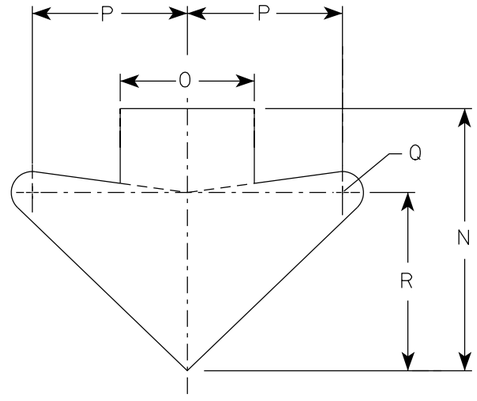
7



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



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	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
2M	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
3																											
4																											
5																											

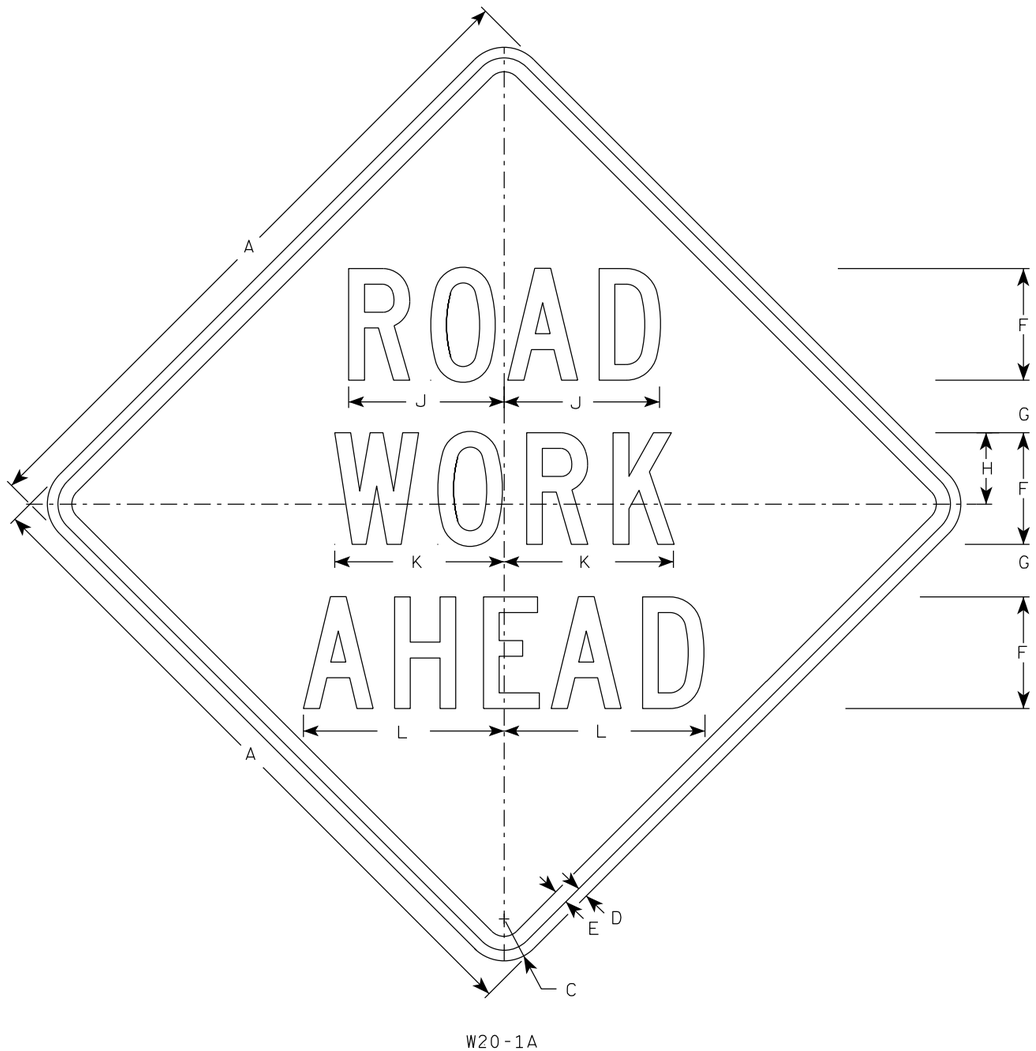
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

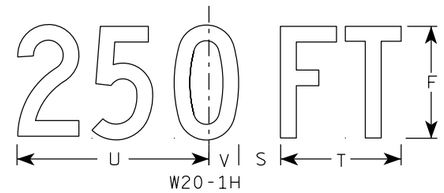
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

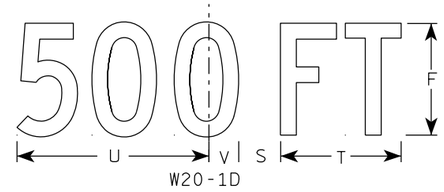
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 E



W20-1A



W20-1H



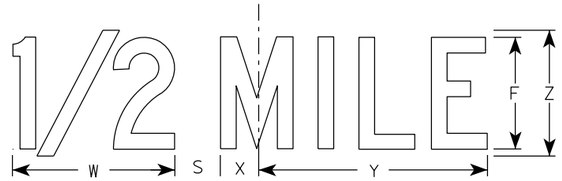
W20-1D

W20-1C

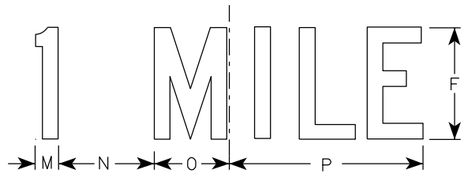
W20-1B

NOTES

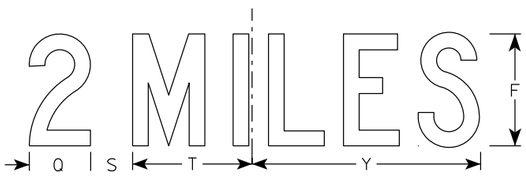
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



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

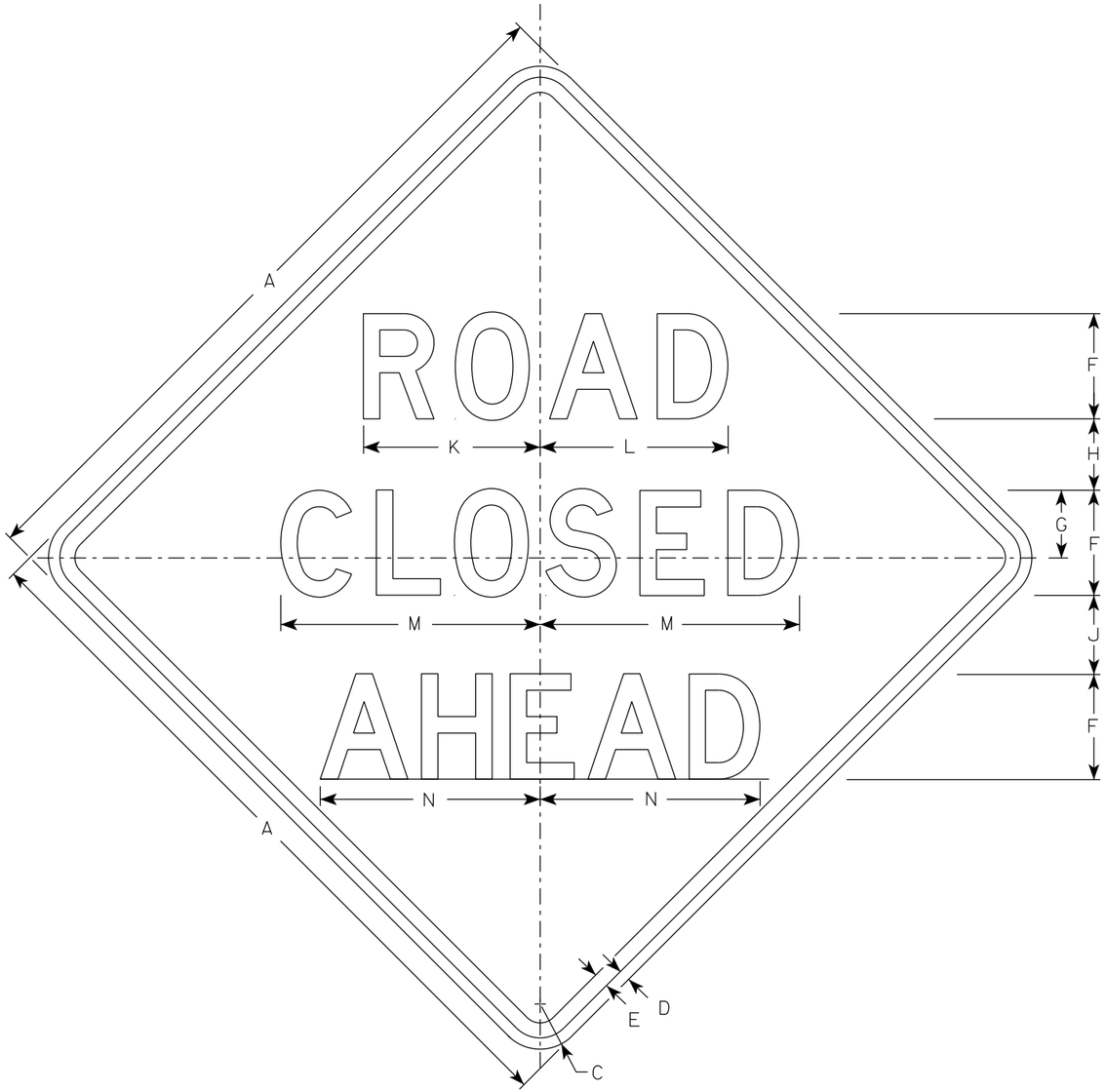
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

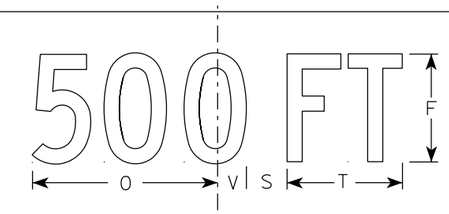
SHEET NO: 310 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

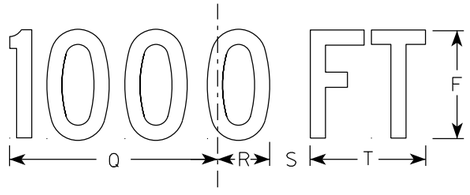
WISDOT/CADDS SHEET 42



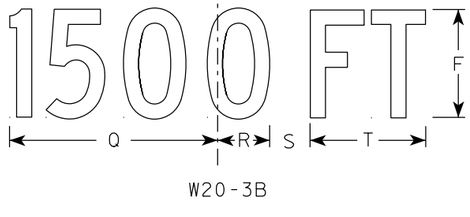
W20-3A



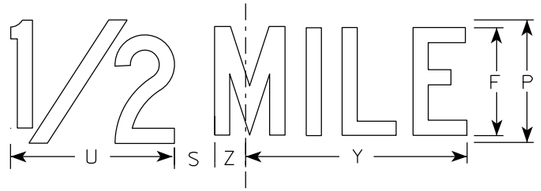
W20-3D



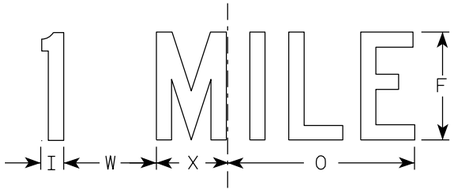
W20-3C



W20-3B



W20-3G



W20-3F

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. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

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	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

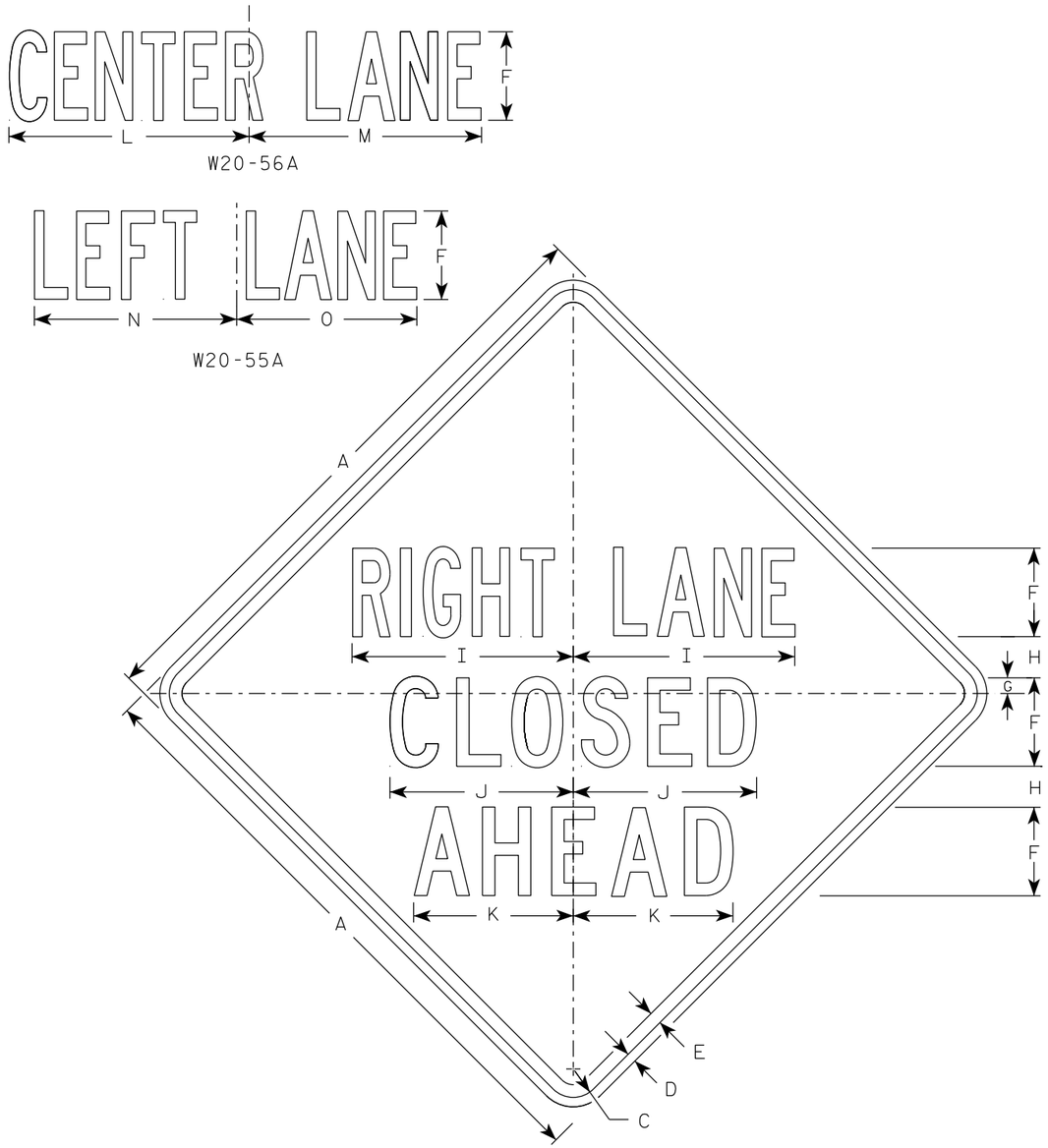
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

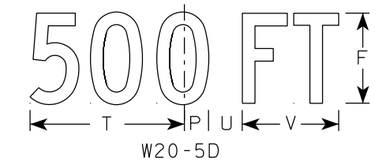
DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

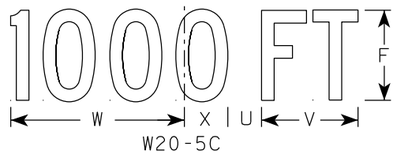
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



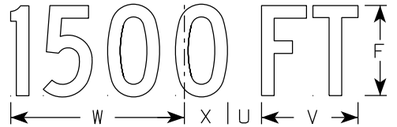
W20-5A



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

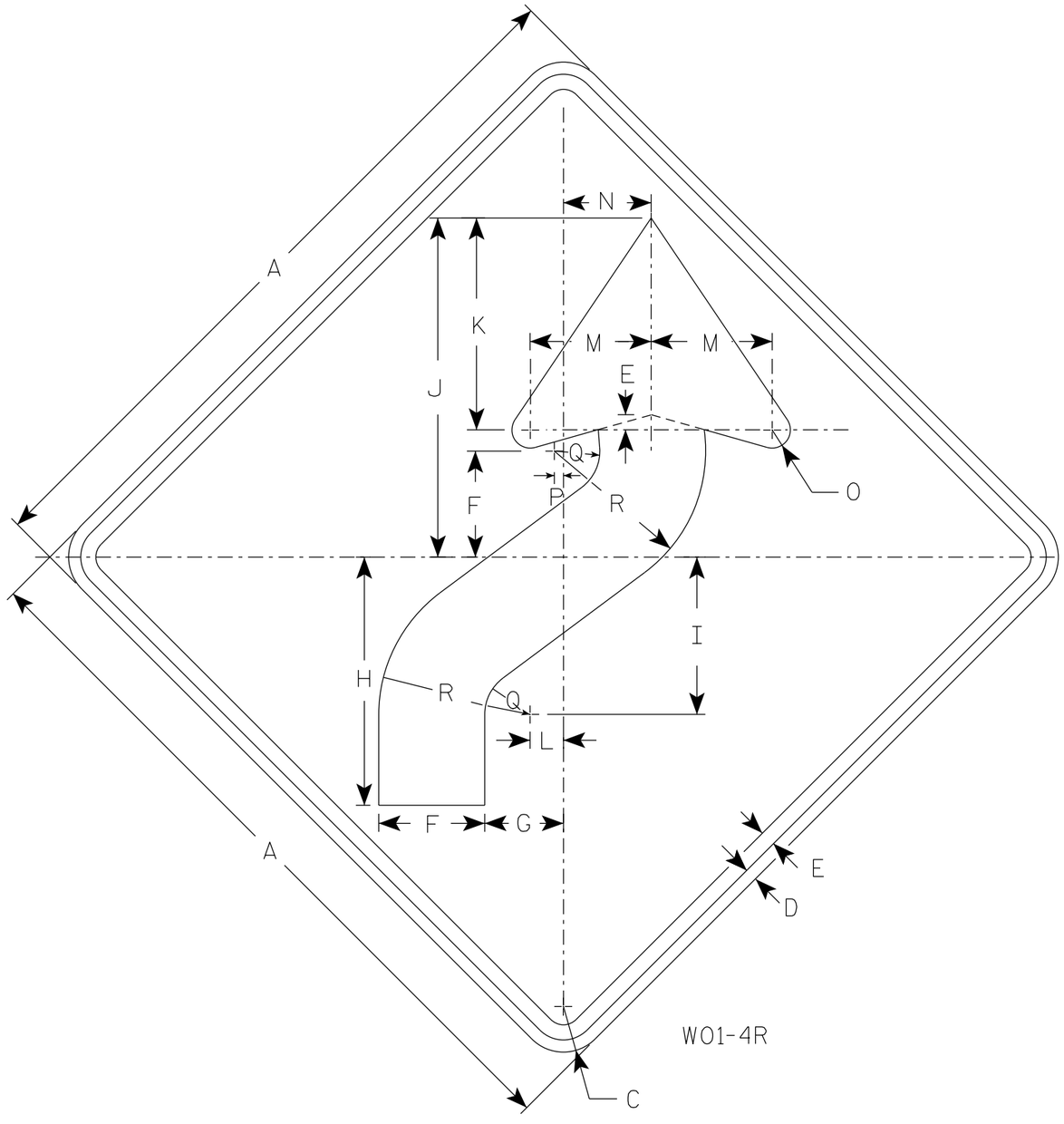
STANDARD SIGN
W20-5A, B, C, D, F & G

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: 312	E



W01-4R

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. W01-4L is the same as W01-4R 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

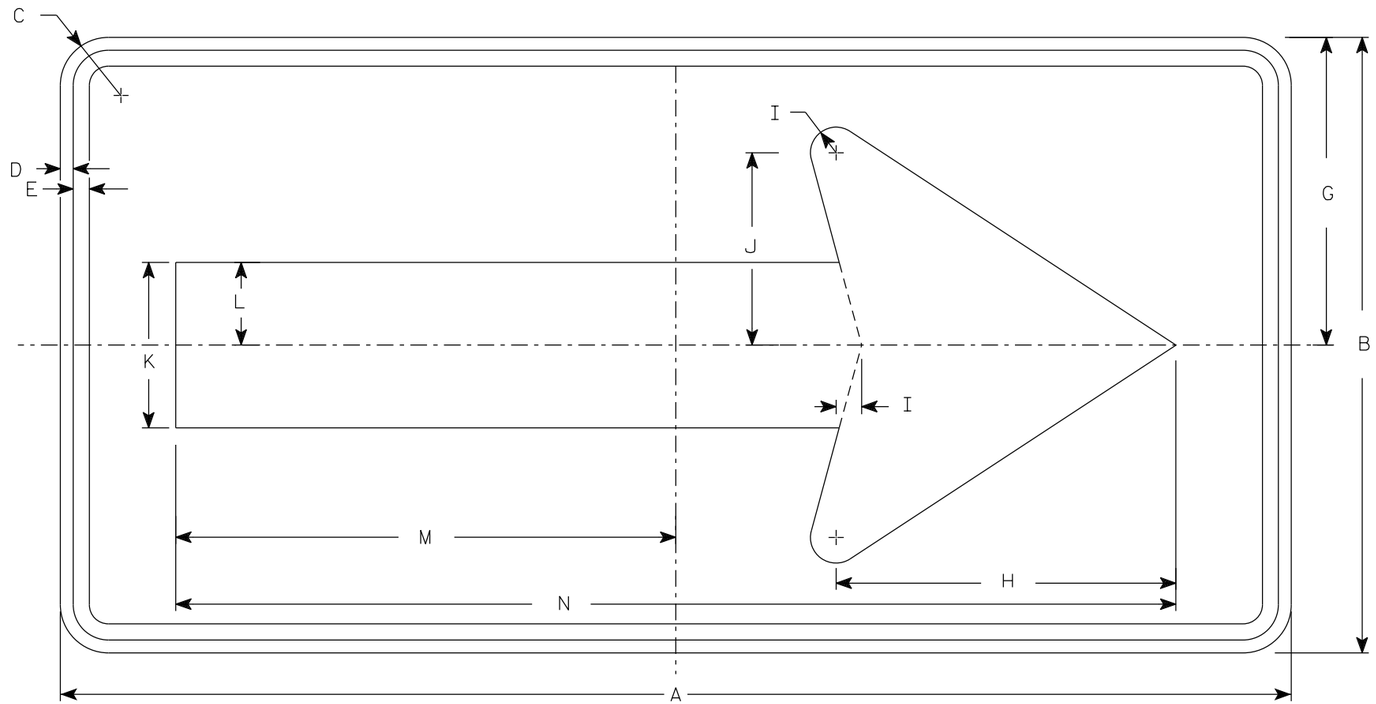
STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E



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

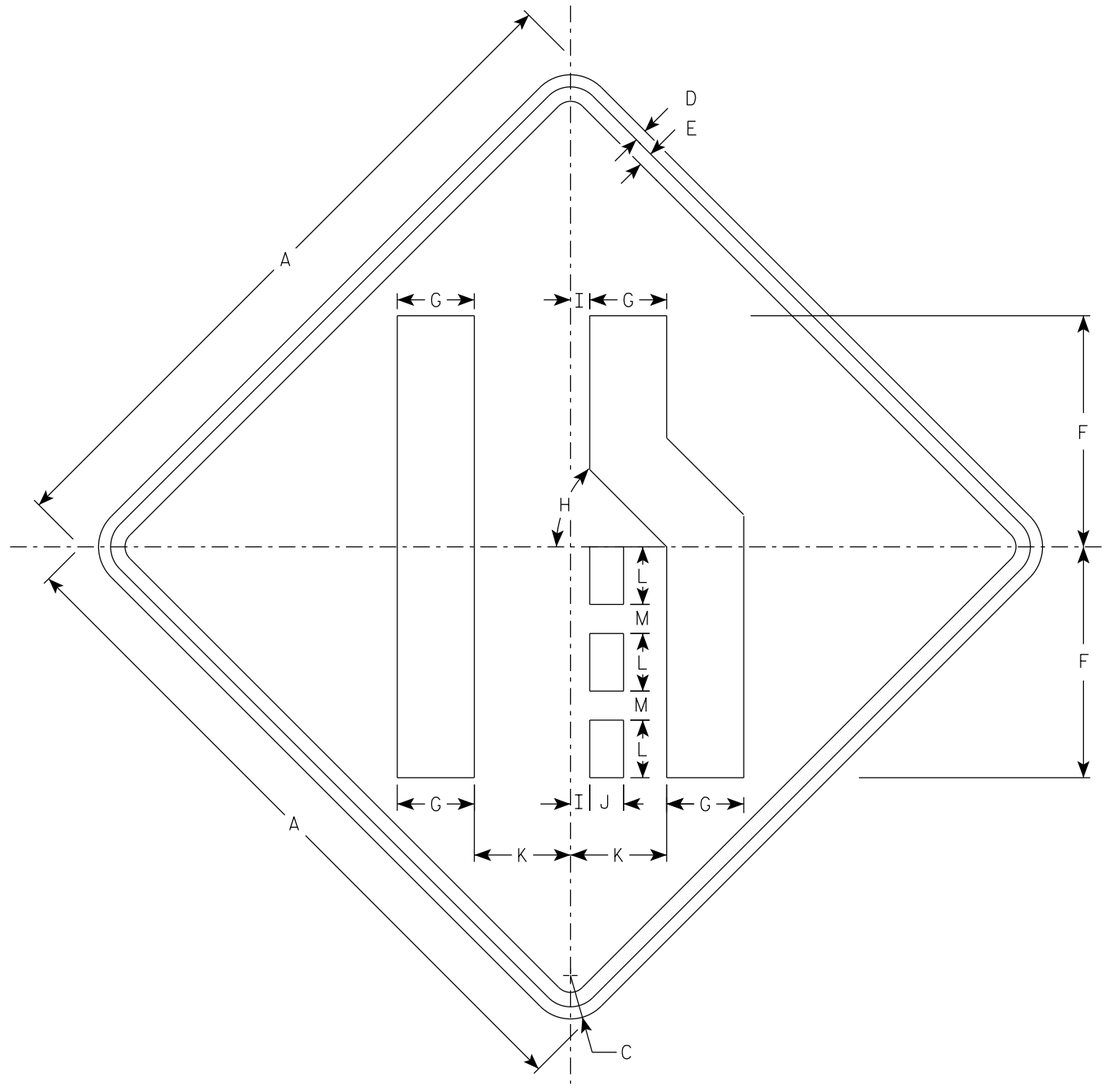
STANDARD SIGN
WO1-6

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



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

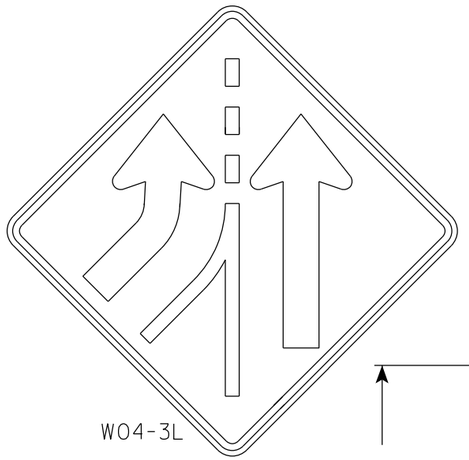
WISCONSIN DEPT OF TRANSPORTATION

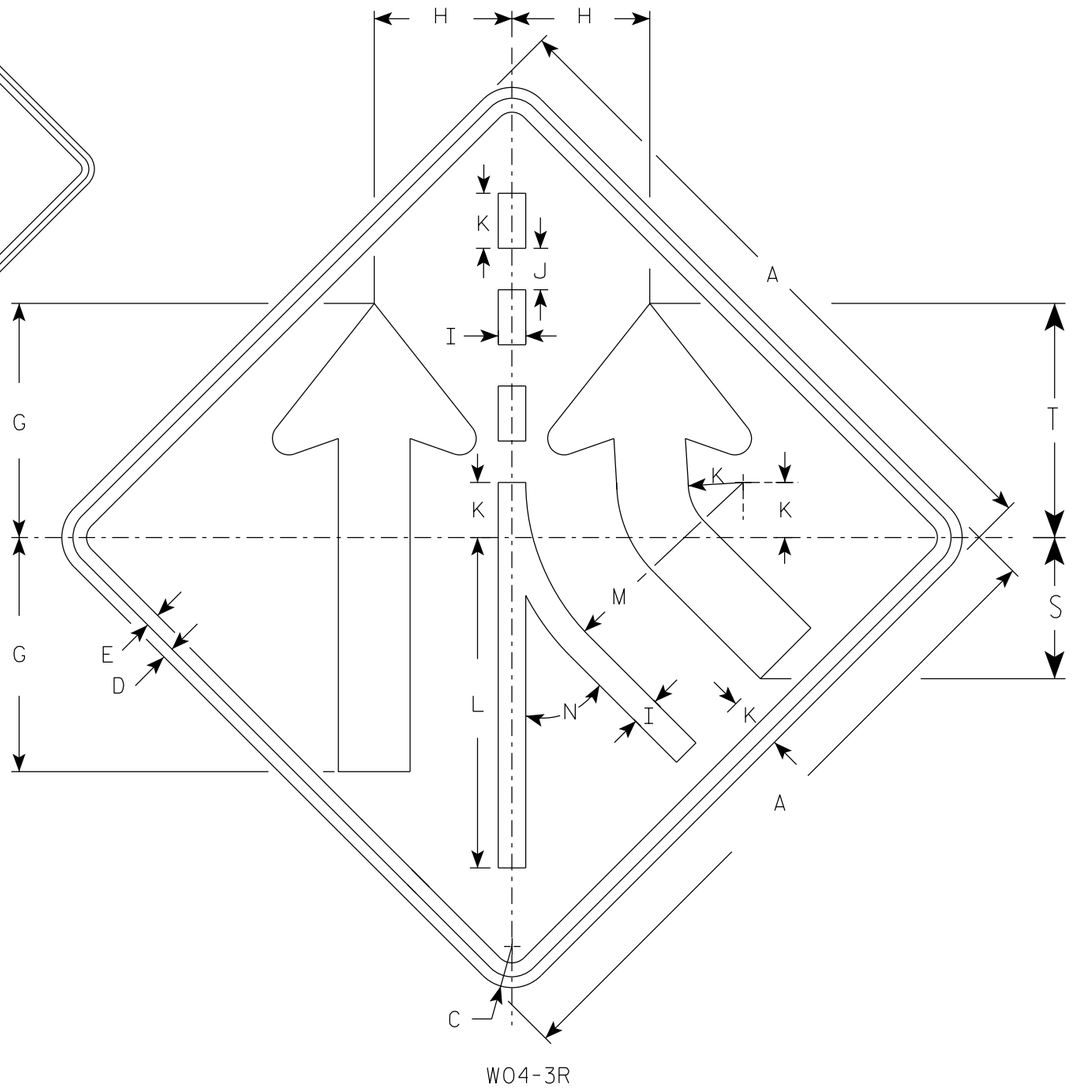
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 315 E

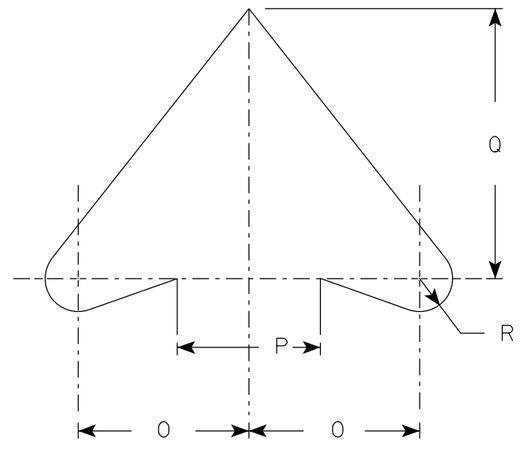




W04-3R

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. W04-3L is the same as W04-3R except the arrow is 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		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2S	48		3	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
2M	48		3	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
3	48		3	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
4	48		3	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		3	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN
W04-3

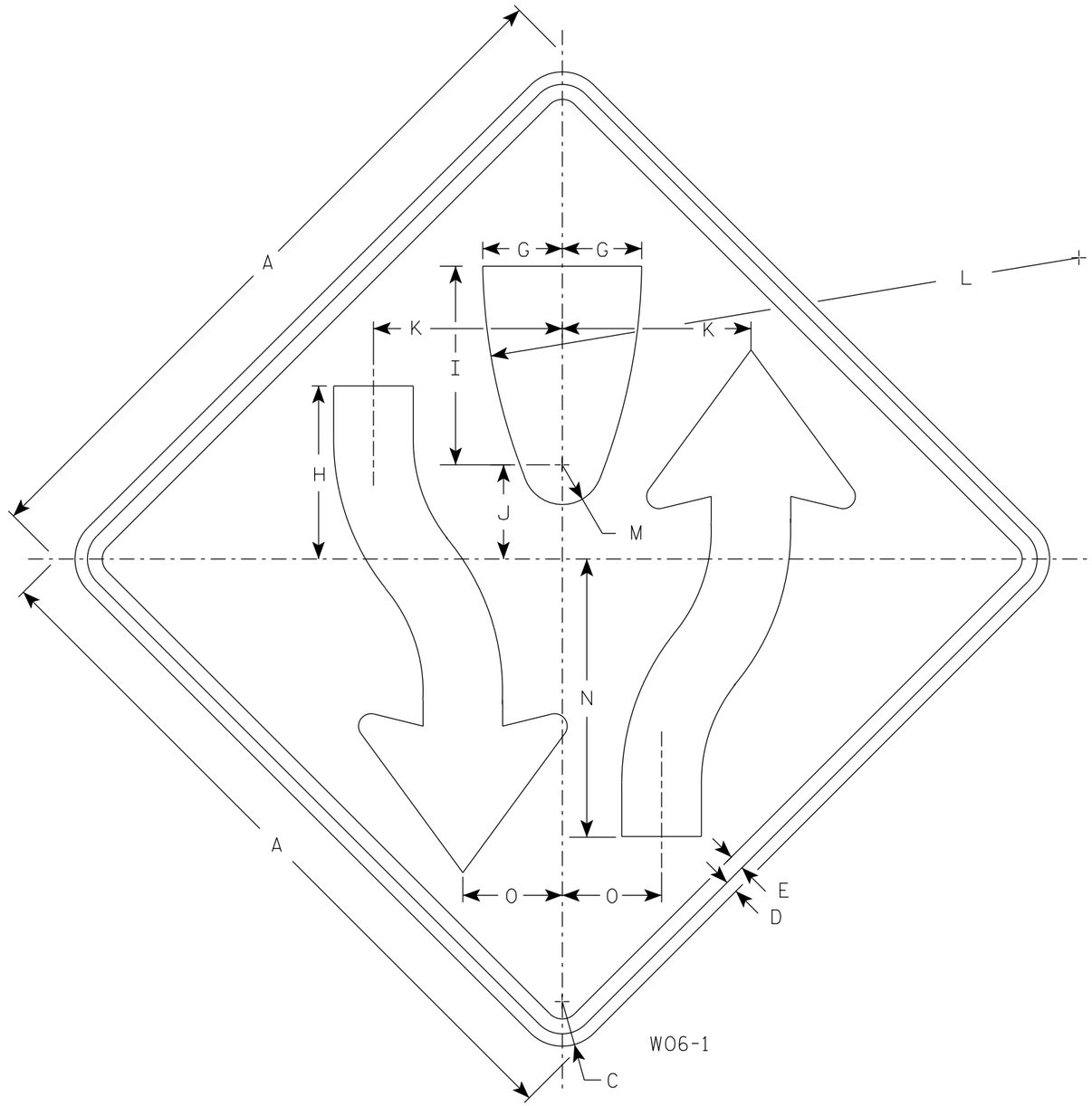
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-3.2

PROJECT NO:

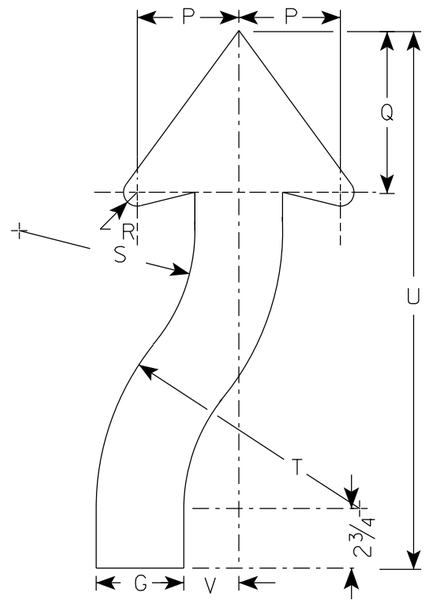
SHEET NO: 316 E



W06-1

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. W06-2 same as W06-1 but is rotated 180° when mounted.



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		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

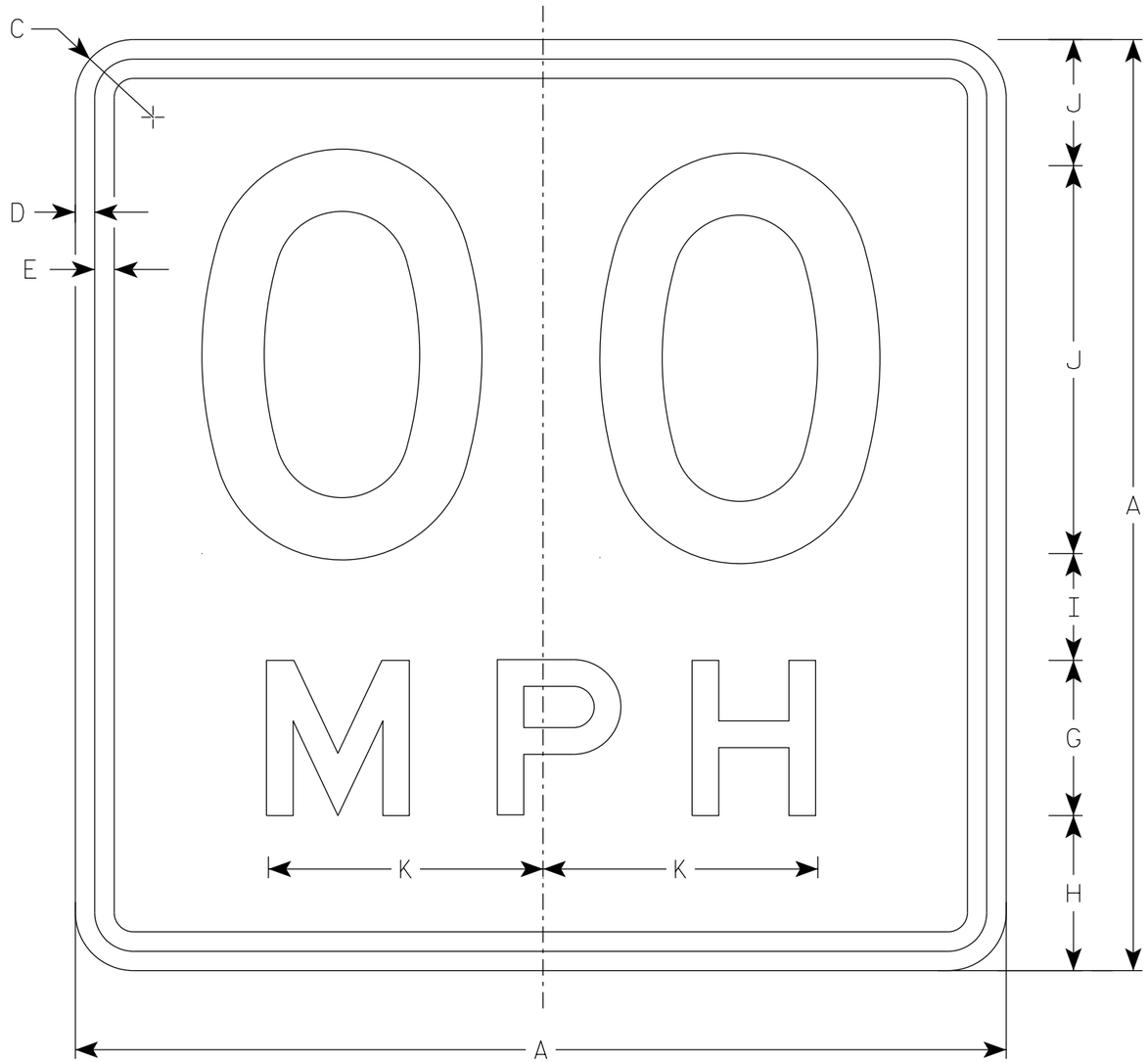
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/30/2024 PLATE NO. W06-1.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W061.dgn PLOT DATE : 30-JAN 2024 10:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W013-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
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. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

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	4	4	2 3/4	3 1/4	7 1/8																4.0
2S	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
2M	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
3	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0

STANDARD SIGN

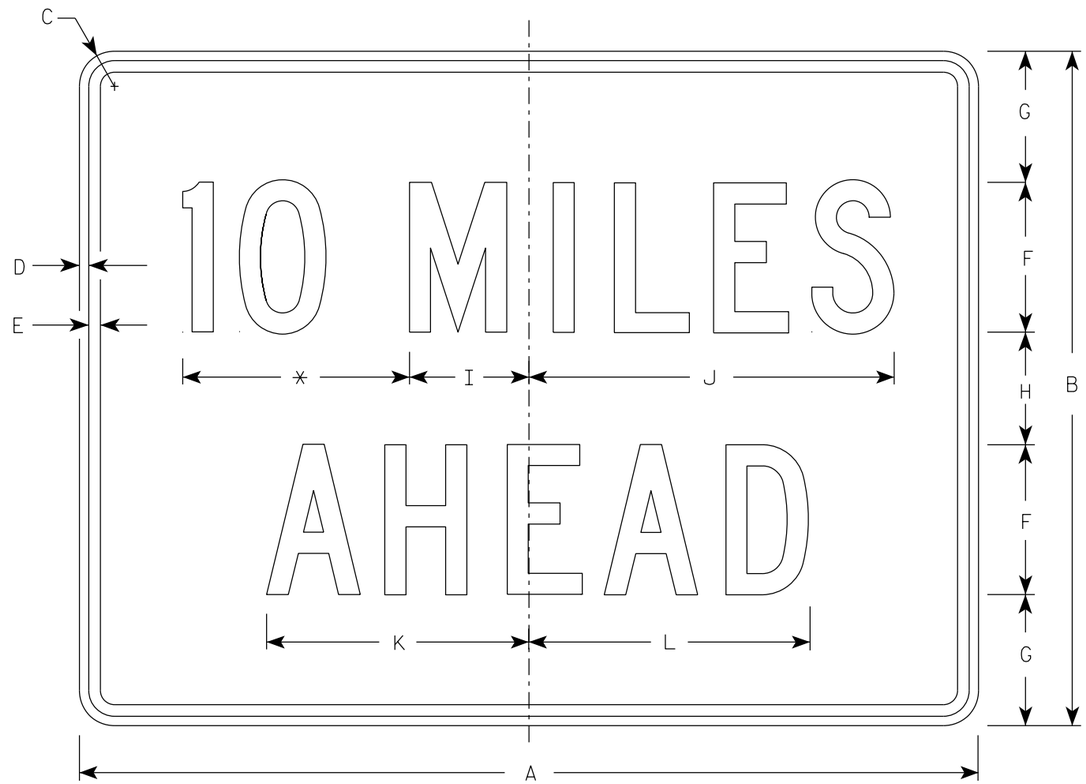
W013-1

WISCONSIN DEPT OF TRANSPORTATION

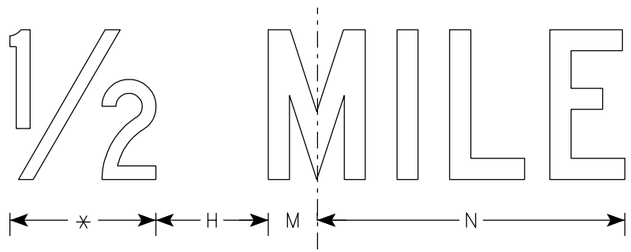
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W013-1.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W057-52



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.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

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	24	1 1/2	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-52.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 319 E

STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.15	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
11+84.31	1184.31	0.00	39.51	25.62	0.03	0	0	0	0	0	0
12+00.00	1200.00	15.69	40.45	25.16	0.02	23	15	0	23	0	8
12+31.25	1231.25	31.25	42.43	24.39	0.00	48	29	0	71	0	27
12+50.00	1250.00	18.75	44.47	24.24	0.02	30	17	0	101	0	40
12+92.54	1292.54	42.54	44.79	23.65	0.00	70	38	0	171	0	72
13+00.00	1300.00	7.46	42.95	23.62	0.00	12	7	0	183	0	77
13+10.62	1310.62	10.62	41.98	23.54	0.00	17	9	0	200	0	85
13+50.00	1350.00	39.38	44.67	23.30	0.00	63	34	0	263	0	114
14+00.00	1400.00	50.00	39.07	23.29	0.00	78	43	0	341	0	149
14+13.80	1413.80	13.80	39.90	23.29	0.00	20	12	0	361	0	157
14+34.38	1434.38	20.58	41.70	23.29	0.00	31	18	0	392	0	170
14+50.00	1450.00	15.62	41.90	23.29	0.00	24	13	0	416	0	181
15+00.00	1500.00	50.00	38.78	23.29	0.00	75	43	0	491	0	213
15+20.13	1520.13	20.13	37.07	23.40	0.00	28	17	0	519	0	224
15+50.00	1550.00	29.87	38.38	23.40	0.00	42	26	0	561	0	240
15+60.41	1560.41	10.41	37.37	23.40	0.00	15	9	0	576	0	246
16+00.00	1600.00	39.59	40.81	23.40	0.00	57	34	0	633	0	269
16+50.00	1650.00	50.00	41.51	23.48	0.00	76	43	0	709	0	302
16+63.98	1663.98	13.98	42.68	23.48	0.00	22	12	0	731	0	312
17+00.00	1700.00	36.02	46.52	30.41	0.00	59	36	0	790	0	335
17+50.00	1750.00	50.00	45.81	30.95	0.00	85	57	0	875	0	363
17+90.78	1790.78	40.78	40.58	23.73	0.00	65	41	0	940	0	387
18+00.00	1800.00	9.22	42.23	23.73	0.00	14	8	0	954	0	393
18+50.00	1850.00	50.00	43.51	23.73	0.00	79	44	0	1033	0	428
19+00.00	1900.00	50.00	41.78	23.73	0.00	79	44	0	1112	0	463
19+10.50	1910.50	10.50	41.11	23.73	0.00	16	9	0	1128	0	470
19+22.71	1922.71	12.21	43.09	23.73	0.00	19	11	0	1147	0	478
19+50.00	1950.00	27.29	45.41	23.73	0.00	45	24	0	1192	0	499
20+00.00	2000.00	50.00	37.51	23.73	0.00	77	44	0	1269	0	532
20+07.94	2007.94	7.94	39.33	23.73	0.00	11	7	0	1280	0	536
20+50.00	2050.00	42.06	44.45	23.73	0.00	65	37	0	1345	0	564
21+00.00	2100.00	50.00	39.25	23.73	0.00	78	44	0	1423	0	598
21+50.00	2150.00	50.00	36.23	23.85	0.00	70	44	0	1493	0	624
21+93.31	2193.31	43.31	35.67	23.85	0.00	58	38	0	1551	0	644
22+00.00	2200.00	6.69	37.49	23.85	0.00	9	6	0	1560	0	647
22+41.69	2241.69	41.69	37.58	23.85	0.00	58	37	0	1618	0	668
22+50.00	2250.00	8.31	39.33	23.85	0.00	12	7	0	1630	0	673
23+00.00	2300.00	50.00	36.50	24.17	0.00	70	44	0	1700	0	699
23+50.00	2350.00	50.00	39.00	24.17	0.00	70	45	0	1770	0	724
24+00.00	2400.00	50.00	39.46	23.70	0.00	73	44	0	1843	0	753
24+15.00	2415.00	15.00	42.82	23.70	0.00	23	13	0	1866	0	763
24+50.00	2450.00	35.00	42.67	50.37	0.00	55	48	0	1921	0	770
25+00.00	2500.00	50.00	40.38	24.72	0.00	77	70	0	1998	0	777
25+35.78	2535.78	35.78	38.77	23.63	0.00	52	32	0	2050	0	797
25+50.00	2550.00	14.22	38.58	23.63	0.00	20	12	0	2070	0	805
25+76.43	2576.43	26.43	38.44	23.63	0.00	38	23	0	2108	0	820
26+00.00	2600.00	23.57	40.91	23.63	0.00	35	21	0	2143	0	834
26+37.36	2637.36	37.36	37.30	23.63	0.00	54	33	0	2197	0	855
26+50.00	2650.00	12.64	38.03	23.63	0.00	18	11	0	2215	0	862
27+00.00	2700.00	50.00	37.26	23.48	0.00	70	44	0	2285	0	888
27+50.00	2750.00	50.00	38.80	23.48	0.01	70	43	0	2355	0	915
28+00.00	2800.00	50.00	35.18	23.38	0.00	69	43	0	2424	0	941
28+50.00	2850.00	50.00	32.83	23.70	0.00	63	44	0	2487	0	960
28+80.00	2880.00	30.00	31.67	23.70	0.00	36	26	0	2523	0	970
29+00.00	2900.00	20.00	33.70	23.70	0.00	24	18	0	2547	0	976

STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.15	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
29+08.92	2908.92	8.92	32.78	23.70	0.00	11	8	0	2558	0	979
29+50.00	2950.00	41.08	37.43	22.88	0.00	53	35	0	2611	0	997
29+56.79	2956.79	6.79	37.47	22.88	0.00	9	6	0	2620	0	1000
30+00.00	3000.00	43.21	45.22	22.88	0.02	66	37	0	2686	0	1029
30+50.00	3050.00	50.00	89.19	19.84	0.00	124	40	0	2810	0	1113
31+00.00	3100.00	50.00	50.58	21.62	0.00	129	38	0	2939	0	1204
31+50.00	3150.00	50.00	39.39	21.69	0.00	83	40	0	3022	0	1247
32+00.00	3200.00	50.00	42.97	20.81	0.00	76	39	0	3098	0	1284
32+17.98	3217.98	17.98	39.42	20.81	0.00	27	14	0	3125	0	1297
32+30.97	3230.97	12.99	41.99	20.81	0.00	20	10	0	3145	0	1307
32+50.00	3250.00	19.03	44.68	21.15	0.00	31	15	0	3176	0	1323
33+00.00	3300.00	50.00	34.18	21.53	0.00	73	40	0	3249	0	1356
33+50.00	3350.00	50.00	38.93	22.13	0.00	68	40	0	3317	0	1384
34+00.00	3400.00	50.00	38.46	23.25	0.00	72	42	0	3389	0	1414
34+50.00	3450.00	50.00	70.89	25.71	0.00	101	45	0	3490	0	1470
35+00.00	3500.00	50.00	68.58	8.78	0.00	129	32	0	3619	0	1567
35+50.00	3550.00	50.00	66.47	19.34	0.00	125	26	0	3744	0	1666
36+00.00	3600.00	50.00	60.23	39.84	0.00	117	55	0	3861	0	1728
36+50.00	3650.00	50.00	66.87	19.76	0.00	118	55	0	3979	0	1791
37+00.00	3700.00	50.00	61.48	0.00	0.00	119	18	0	4098	0	1892
37+50.00	3750.00	50.00	48.53	1.95	0.01	102	2	0	4200	0	1992
38+00.00	3800.00	50.00	35.29	21.67	0.13	78	22	0	4278	0	2048
38+50.00	3850.00	50.00	28.17	21.74	0.64	59	40	1	4337	1	2066
39+00.00	3900.00	50.00	29.89	19.79	0.60	54	38	1	4391	2	2081
39+50.00	3950.00	50.00	38.21	17.85	0.26	63	35	1	4454	3	2108
39+84.57	3984.57	34.57	39.27	17.78	0.87	50	23	1	4504	5	2133
40+00.00	4000.00	15.43	43.44	17.03	1.33	24	10	1	4528	6	2146
40+50.00	4050.00	50.00	48.48	17.03	0.00	85	32	1	4613	7	2198
41+00.00	4100.00	50.00	44.54	17.03	0.85	86	32	1	4699	8	2251
41+24.44	4124.44	24.44	48.04	17.03	0.00	42	15	0	4741	8	2278
41+50.00	4150.00	25.56	49.69	17.03	0.00	46	16	0	4787	8	2308
41+83.65	4183.65	33.65	50.18	17.03	0.00	62	21	0	4849	8	2349
42+00.00	4200.00	16.35	51.80	17.03	0.00	31	10	0	4880	8	2370
42+50.00	4250.00	50.00	51.95	17.03	0.00	96	32	0	4976	8	2434
42+54.03	4254.03	4.03	52.05	17.03	0.00	8	3	0	4984	8	2439
43+00.00	4300.00	45.97	50.93	17.03	0.00	88	29	0	5072	8	2498
43+50.00	4350.00	50.00	43.24	17.03	0.00	87	32	0	5159	8	2553
44+00.00	4400.00	50.00	77.75	18.67	0.00	112	33	0	5271	8	2632
44+23.67	4423.67	23.67	55.85	16.95	0.00	59	16	0	5330	8	2675

STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.15	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
34+50.00	3450.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
35+00.00	3500.00	50.00	32.51	16.13	0.00	30	15	0	30	0	15
35+50.00	3550.00	50.00	60.34	38.50	0.00	86	51	0	116	0	50
36+00.00	3600.00	50.00	0.00	22.01	0.00	56	56	0	172	0	50

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	IF EBS TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH: [(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL) * FILL FACTOR)]

STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.15	NOTE 4
36+50.00	3650.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
37+00.00	3700.00	50.00	33.79	30.79	0.00	31	29	0	31	0	2
37+50.00	3750.00	50.00	27.58	23.56	0.00	57	50	0	88	0	9
38+00.00	3800.00	50.00	26.56	22.61	0.00	50	43	0	138	0	16

STAGE 4

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.15	NOTE 4
11+84.31	1184.31	0.00	36.72	22.24	0.00	0	0	0	0	0	0
12+00.00	1200.00	15.69	40.23	22.10	0.00	22	13	0	22	0	9
12+31.25	1231.25	31.25	47.10	21.65	0.00	51	25	0	73	0	35
12+50.00	1250.00	18.75	51.46	21.16	0.00	34	15	0	107	0	54
12+92.54	1292.54	42.54	54.97	20.27	0.00	84	33	0	191	0	105
13+00.00	1300.00	7.46	54.35	20.00	0.00	15	6	0	206	0	114
13+10.62	1310.62	10.62	53.44	19.89	0.00	21	8	0	227	0	127
13+50.00	1350.00	39.38	51.40	19.69	0.00	76	29	0	303	0	174
14+00.00	1400.00	50.00	48.67	19.66	0.00	93	36	0	396	0	231
14+13.80	1413.80	13.80	49.45	19.64	0.00	25	10	0	421	0	246
14+34.38	1434.38	20.58	51.23	19.64	0.00	38	15	0	459	0	269
14+50.00	1450.00	15.62	56.70	19.62	0.00	31	11	0	490	0	289
15+00.00	1500.00	50.00	56.35	19.52	0.00	105	36	0	595	0	358
15+20.13	1520.13	20.13	55.54	19.49	0.00	42	15	0	637	0	385
15+50.00	1550.00	29.87	49.36	19.49	0.00	58	22	0	695	0	421
15+60.41	1560.41	10.41	50.82	19.49	0.00	19	8	0	714	0	432
16+00.00	1600.00	39.59	56.44	19.49	0.00	79	29	0	793	0	482
16+50.00	1650.00	50.00	50.10	19.49	0.00	99	36	0	892	0	545
16+63.98	1663.98	13.98	48.11	19.49	0.00	25	10	0	917	0	560
17+00.00	1700.00	36.02	60.06	19.39	0.00	72	26	0	989	0	606
17+50.00	1750.00	50.00	65.25	19.34	0.00	116	36	0	1105	0	686
17+90.78	1790.78	40.78	46.40	19.22	0.00	84	29	0	1189	0	741
18+00.00	1800.00	9.22	46.63	19.22	0.00	16	7	0	1205	0	750
18+50.00	1850.00	50.00	44.59	19.22	0.00	84	36	0	1289	0	798
19+00.00	1900.00	50.00	45.33	19.22	0.00	83	36	0	1372	0	845
19+10.50	1910.50	10.50	45.59	19.22	0.00	18	7	0	1390	0	856
19+22.71	1922.71	12.21	46.22	19.22	0.00	21	9	0	1411	0	868
19+50.00	1950.00	27.29	43.67	19.22	0.00	45	19	0	1456	0	894
20+00.00	2000.00	50.00	46.11	19.22	0.00	83	36	0	1539	0	941
20+07.94	2007.94	7.94	46.57	19.22	0.00	14	6	0	1553	0	949
20+50.00	2050.00	42.06	49.87	19.22	0.00	75	30	0	1628	0	994
21+00.00	2100.00	50.00	46.00	19.22	0.00	89	36	0	1717	0	1047
21+50.00	2150.00	50.00	45.05	19.04	0.00	84	35	0	1801	0	1096
21+93.31	2193.31	43.31	48.47	19.04	0.00	75	31	0	1876	0	1140
22+00.00	2200.00	6.69	49.97	19.04	0.00	12	5	0	1888	0	1147
22+41.69	2241.69	41.69	55.78	19.04	0.00	82	29	0	1970	0	1200
22+50.00	2250.00	8.31	57.16	19.04	0.00	17	6	0	1987	0	1211
23+00.00	2300.00	50.00	57.44	18.75	0.00	106	35	0	2093	0	1282
23+50.00	2350.00	50.00	59.51	18.75	0.00	108	35	0	2201	0	1355
24+00.00	2400.00	50.00	57.34	19.32	0.00	108	35	0	2309	0	1428
24+15.00	2415.00	15.00	57.20	19.32	0.00	32	11	0	2341	0	1449
24+50.00	2450.00	35.00	112.79	19.32	0.00	110	25	0	2451	0	1534
25+00.00	2500.00	50.00	55.77	19.32	0.00	156	36	0	2607	0	1654
25+35.78	2535.78	35.78	51.55	19.32	0.00	71	26	0	2678	0	1699
25+50.00	2550.00	14.22	49.95	19.32	0.00	27	10	0	2705	0	1716

STAGE 4

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.15	NOTE 4
25+76.43	2576.43	26.43	50.09	19.40	0.00	49	19	0	2754	0	1746
26+00.00	2600.00	23.57	50.91	19.40	0.00	44	17	0	2798	0	1773
26+37.36	2637.36	37.36	40.98	19.40	0.20	64	27	0	2862	0	1810
26+50.00	2650.00	12.64	41.27	19.40	0.08	19	9	0	2881	0	1820
27+00.00	2700.00	50.00	44.58	19.40	0.12	79	36	0	2960	0	1863
27+50.00	2750.00	50.00	50.55	19.43	0.00	88	36	0	3048	0	1915
28+00.00	2800.00	50.00	45.87	19.49	0.01	89	36	0	3137	0	1968
28+50.00	2850.00	50.00	43.30	19.05	0.00	83	36	0	3220	0	2015
28+80.00	2880.00	30.00	46.31	18.75	0.00	50	21	0	3270	0	2044
29+00.00	2900.00	20.00	48.33	18.75	0.00	35	14	0	3305	0	2065
29+08.92	2908.92	8.92	48.44	19.06	0.00	16	6	0	3321	0	2075
29+50.00	2950.00	41.08	49.80	19.46	0.00	75	29	0	3396	0	2121
29+56.79	2956.79	6.79	48.64	19.46	0.00	12	5	0	3408	0	2128
30+00.00	3000.00	43.21	48.24	24.47	0.00	78	35	0	3486	0	2171
30+50.00	3050.00	50.00	40.34	52.92	0.00	82	72	0	3568	0	2181
31+00.00	3100.00	50.00	42.45	21.73	0.00	77	69	0	3645	0	2189
31+50.00	3150.00	50.00	40.37	21.20	0.62	77	40	1	3722	1	2225
32+00.00	3200.00	50.00	45.84	23.47	1.41	80	41	2	3802	3	2262
32+17.98	3217.98	17.98	47.56	24.67	1.39	31	16	1	3833	5	2275
32+30.97	3230.97	12.99	55.40	25.53	0.00	25	12	0	3858	5	2288
32+50.00	3250.00	19.03	52.55	26.83	0.18	38	18	0	3896	5	2308
33+00.00	3300.00	50.00	54.52	30.24	0.01	99	53	0	3995	5	2354
33+50.00	3350.00	50.00	57.29	33.52	0.01	104	59	0	4099	5	2399
34+00.00	3400.00	50.00	62.55	36.14	0.00	111	64	0	4210	5	2446
34+50.00	3450.00	50.00	67.94	30.51	0.00	121	62	0	4331	5	2505
35+00.00	3500.00	50.00	27.38	43.46	0.07	88	68	0	4419	5	2525
35+50.00	3550.00	50.00	20.27	40.44	0.00	44	78	0	4463	5	2491
36+00.00	3600.00	50.00	40.54	36.36	0.13	56	71	0	4519	5	2476
36+50.00	3650.00	50.00	24.89	29.66	10.73	61	61	10	4580	16	2465
37+00.00	3700.00	50.00	0.00	27.84	0.00	23	53	10	4603	28	2423
37+50.00	3750.00	50.00	4.84	23.60	2.75	4	48	3	4607	31	2376
38+00.00	3800.00	50.00	15.28	19.44	3.47	19	40	6	4626	38	2348
38+50.00	3850.00	50.00	30.66	19.28	3.12	43	36	6	4669	45	2348
39+00.00	3900.00	50.00	25.96	19.50	4.23	52	36	7	4721	53	2356
39+50.00	3950.00	50.00	23.60	19.54	4.25	46	36	8	4767	62	2357
39+84.57	3984.57	34.57	26.16	19.53	3.69	32	25	5	4799	68	2358
40+00.00	4000.00	15.43	26.89	21.41	4.62	15	12	2	4814	70	2359
40+50.00	4050.00	50.00	28.31	21.39	2.54	51	40	7	4865	78	2362
41+00.00	4100.00	50.00	29.58	21.39	10.62	54	40	12	4919	92	2362
41+24.44	4124.44	24.44	30.27	21.39	10.57	27	19	10	4946	104	2359
41+50.00	4150.00	25.56	31.44	21.39	8.39	29	20	9	4975	114	2357
41+83.65	4183.65	33.65	32.69	21.39	11.63	40	27	12	5015	128	2356
42+00.00	4200.00	16.35	33.01	21.39	13.99	20	13	8	5035	137	2354
42+50.00	4250.00	50.00	33.97	21.39	5.51	62	40	18	5097	158	2355
42+54.03	4254.03	4.03	34.09	21.46	5.20	5	3	1	5102	159	2356
43+00.00	4300.00	45.97	34.83	21.46	5.59	59	37	9	5161	169	2368
43+50.00	4350.00	50.00	37.58	21.74	0.02	67	40	5	5228	175	2389
44+00.00	4400.00	50.00	35.04	45.20	0.00	67	62	0	5295	175	2394
44+23.67	4423.67	23.67	30.47	24.20	0.00	29	30	0	5324	175	2393

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	IF EBS TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH: [(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL) * FILL FACTOR)]

STAGE 5

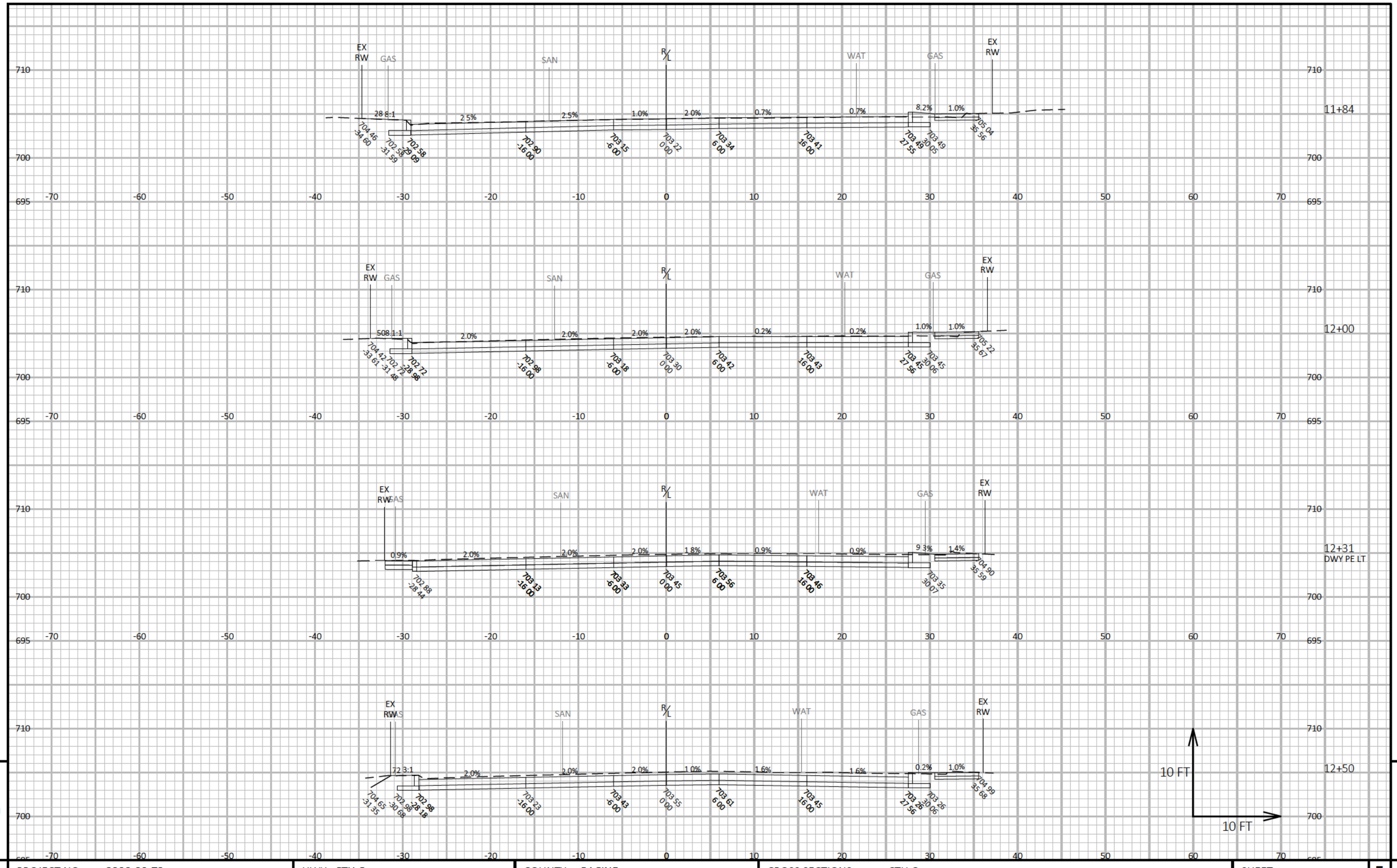
STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.15	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
34+00.00	3400.00	0.00	62.55	0.00	0.00	0	0	0	0	0	0
34+50.00	3450.00	50.00	67.94	5.61	0.00	121	5	0	121	0	116
35+00.00	3500.00	50.00	27.38	0.00	0.07	88	5	0	209	0	199
35+50.00	3550.00	50.00	20.27	0.00	0.00	44	0	0	253	0	243
36+00.00	3600.00	50.00	40.54	0.00	0.13	56	0	0	309	0	299
36+50.00	3650.00	50.00	24.89	8.63	10.73	61	8	10	370	12	341
37+00.00	3700.00	50.00	0.00	7.50	0.00	23	15	10	393	23	337
37+50.00	3750.00	50.00	4.84	10.22	2.75	4	16	3	397	26	322
38+00.00	3800.00	50.00	15.28	13.78	3.47	19	22	6	416	33	312
38+50.00	3850.00	50.00	30.66	10.75	3.12	43	23	6	459	40	325
39+00.00	3900.00	50.00	25.96	8.75	4.23	52	18	7	511	48	351
39+50.00	3950.00	50.00	23.60	6.90	4.25	46	14	8	557	58	374
39+84.57	3984.57	34.57	26.16	5.63	3.69	32	8	5	589	63	392

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	IF EBS TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH: [(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL) * FILL FACTOR)]

9

9

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	EARTHWORK DATA	SHEET 322	E



9

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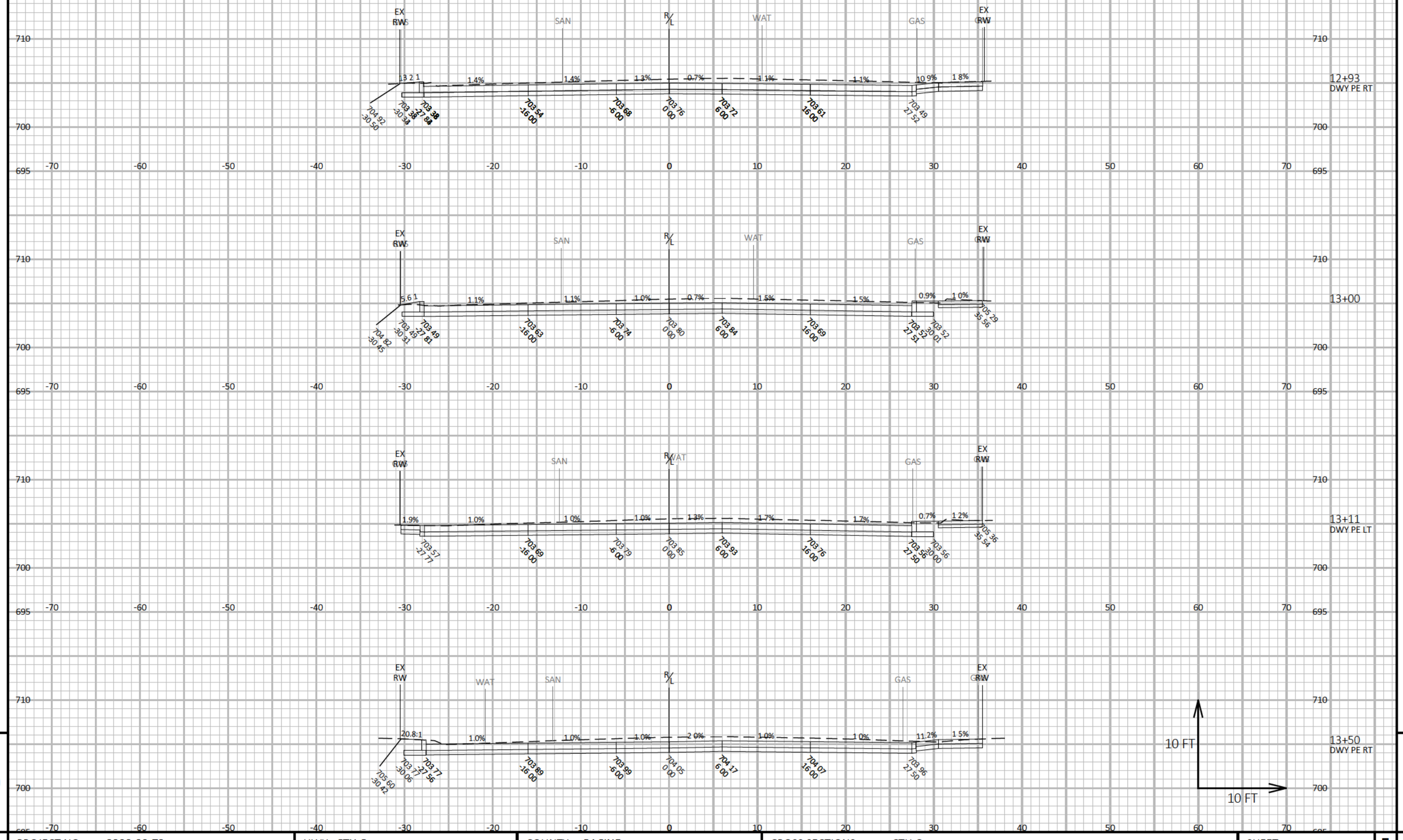
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 323	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 01

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

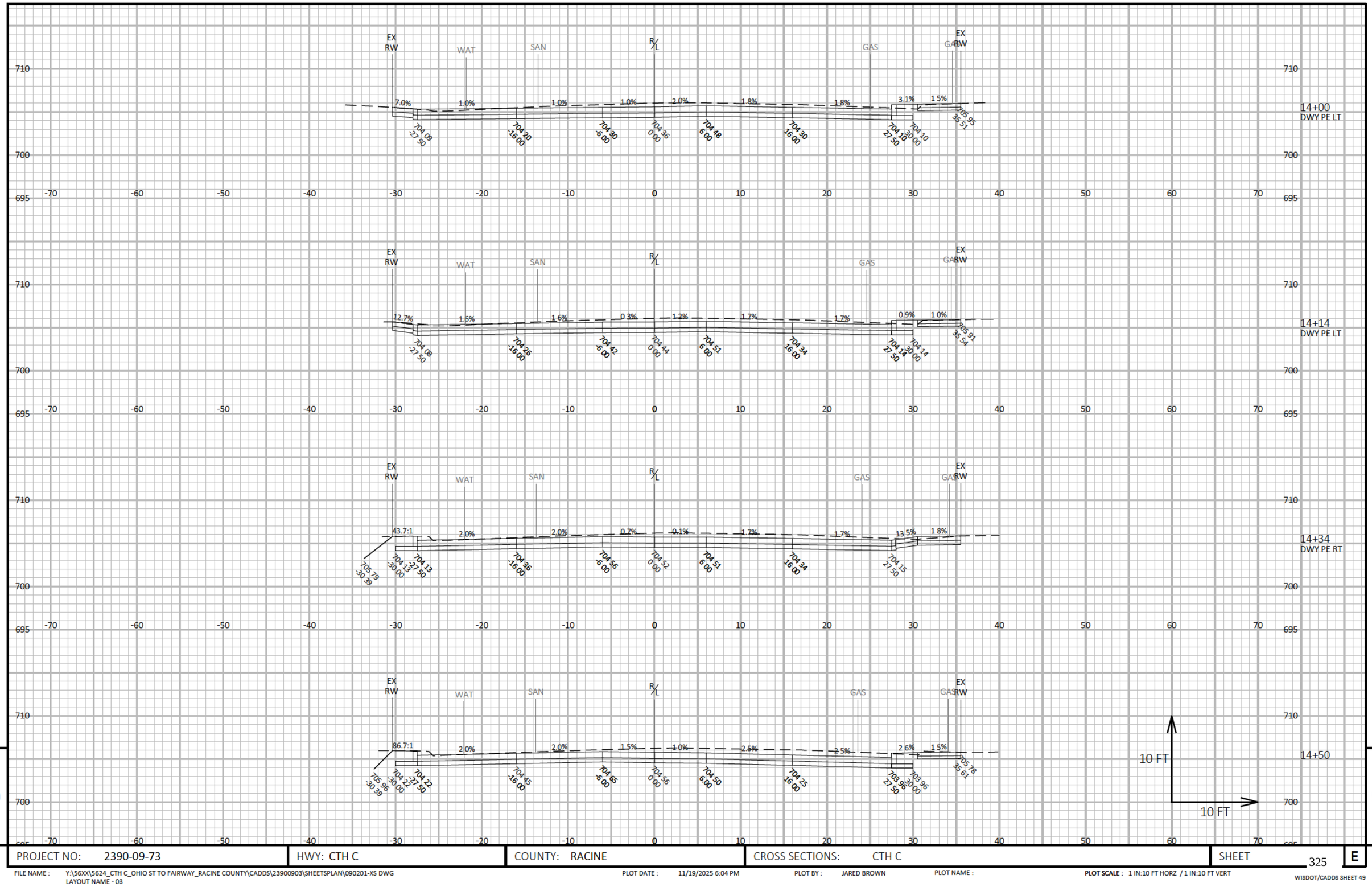


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 324	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 02

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



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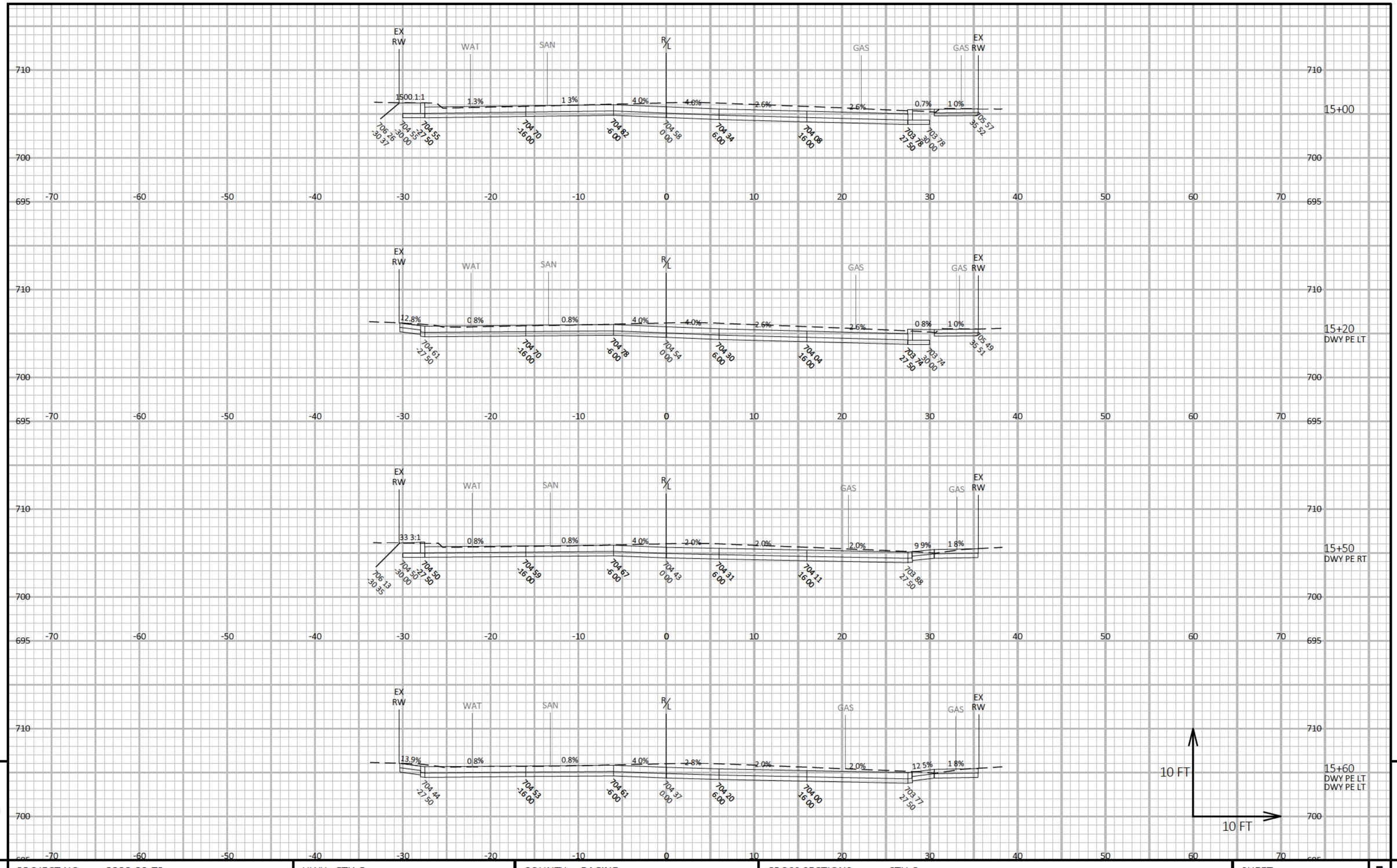
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 325	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 03

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

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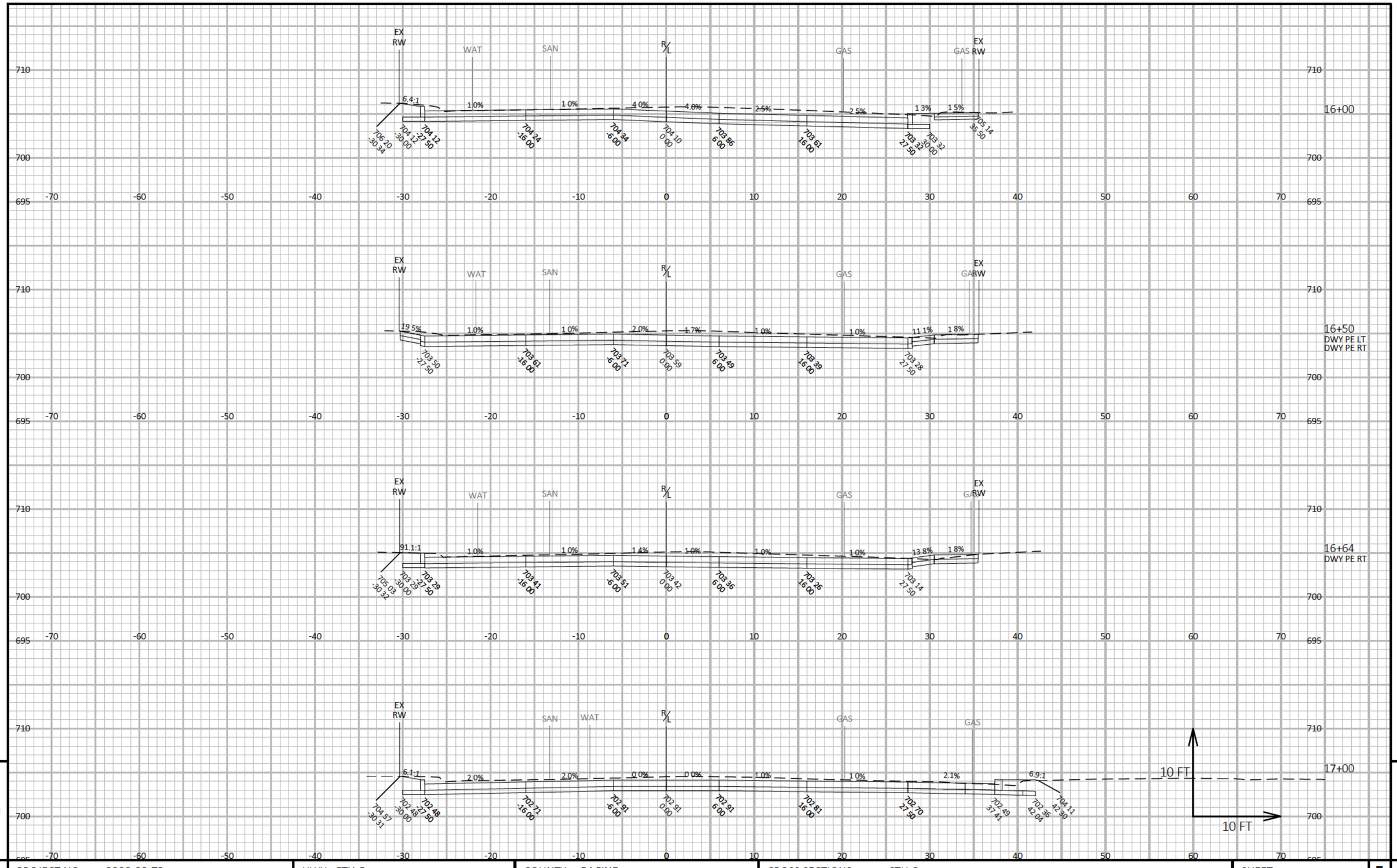
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 326	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 04

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



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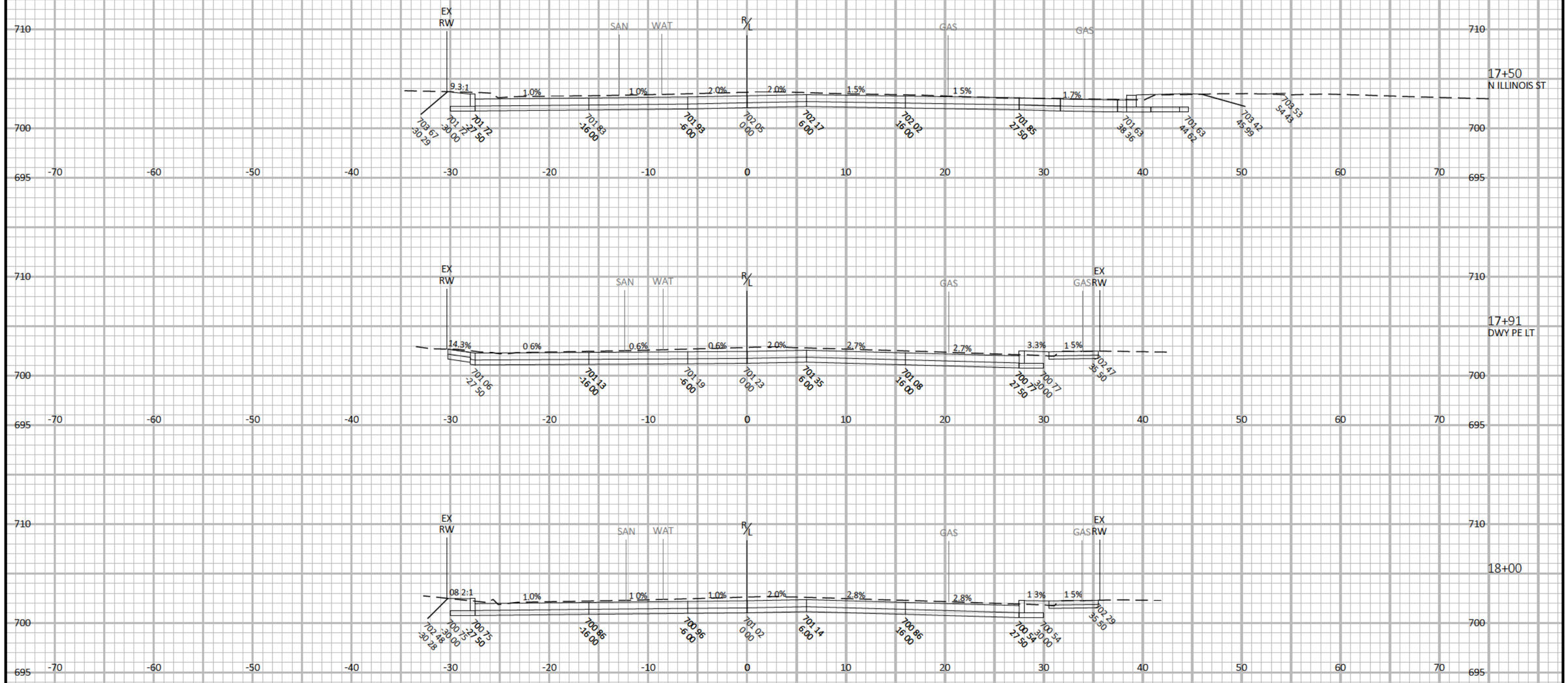
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 327	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 05

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

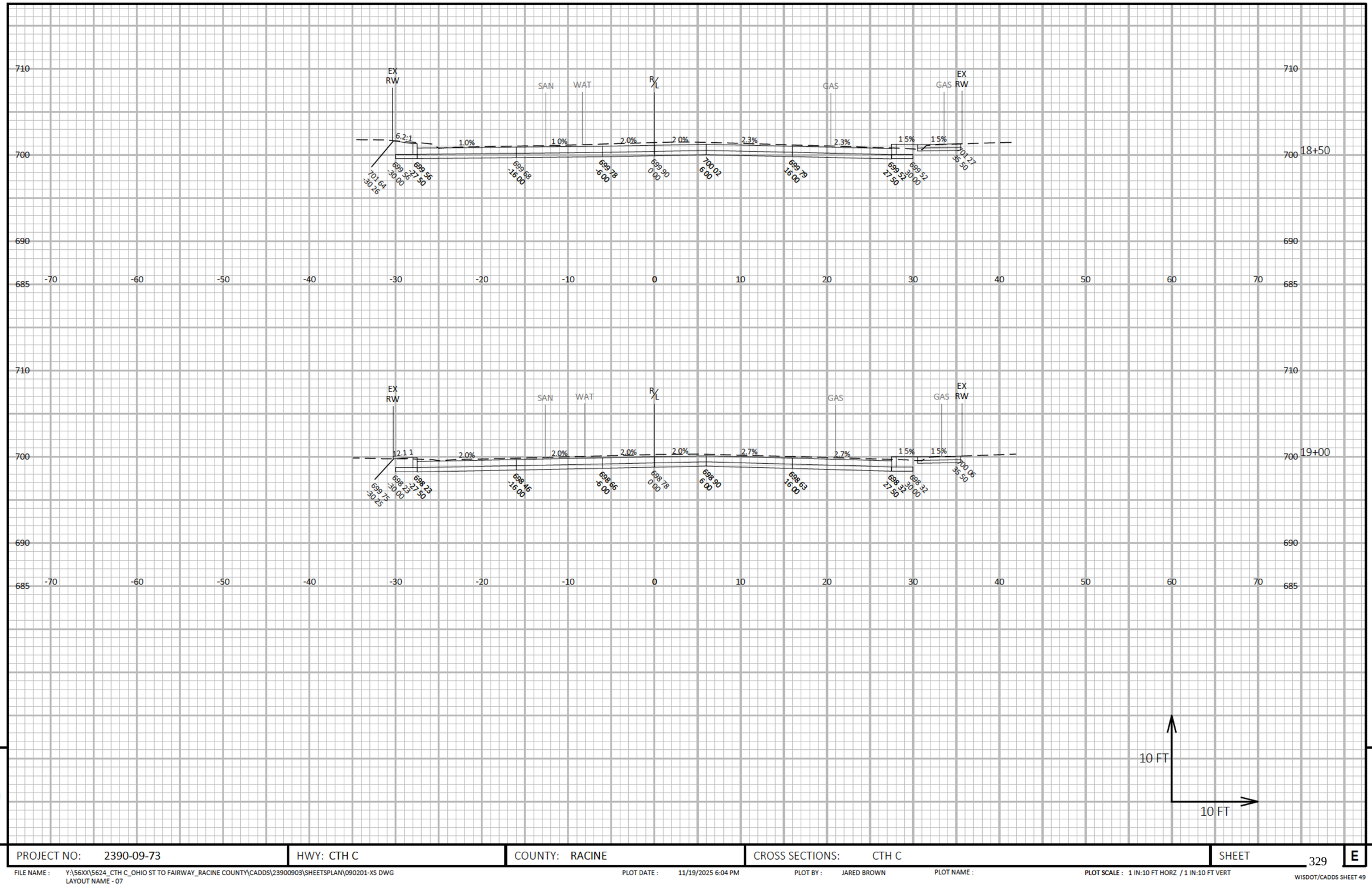


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 328	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 06

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

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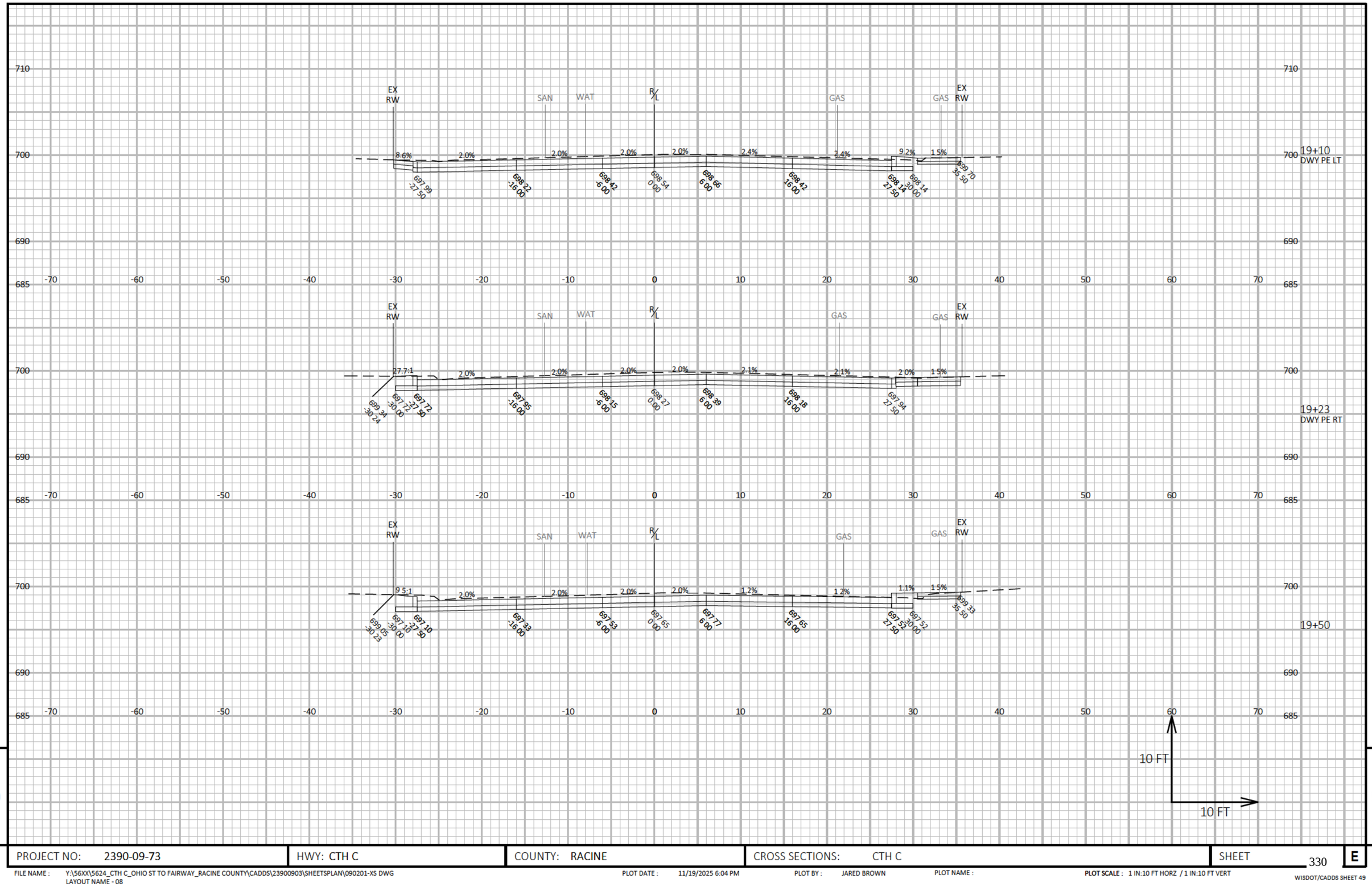
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 329	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 07

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

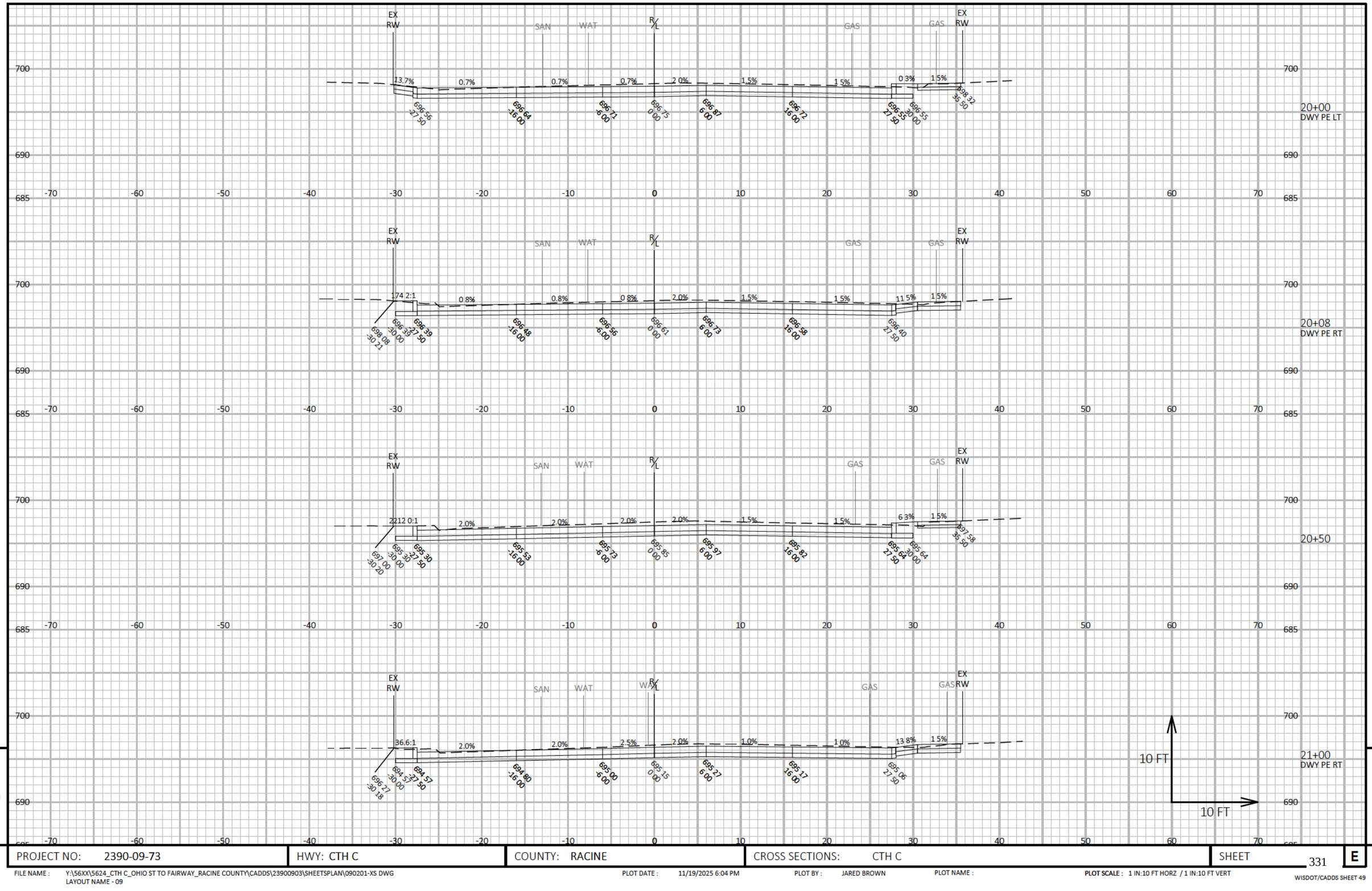


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 330	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 08

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

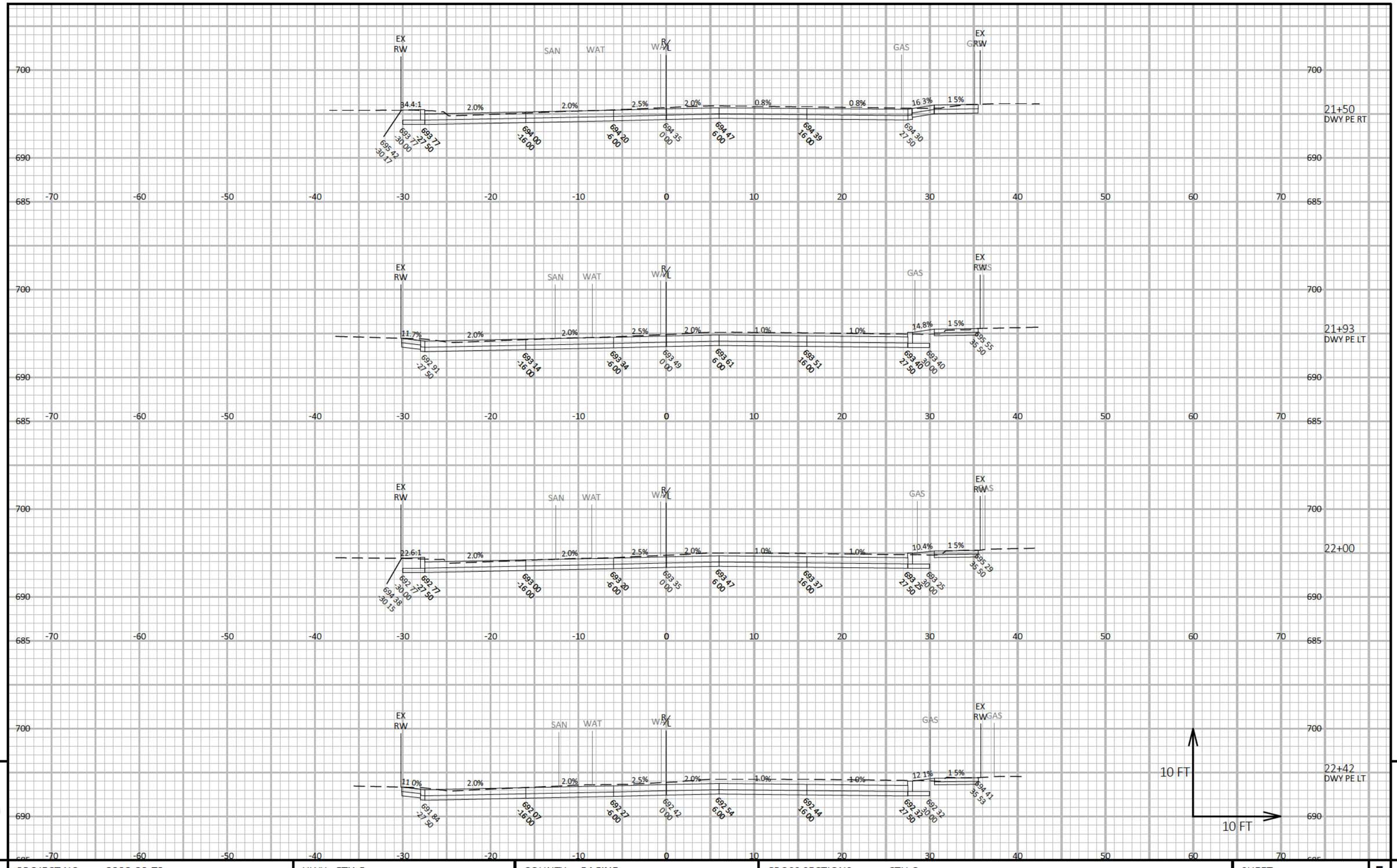


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 331	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 09

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



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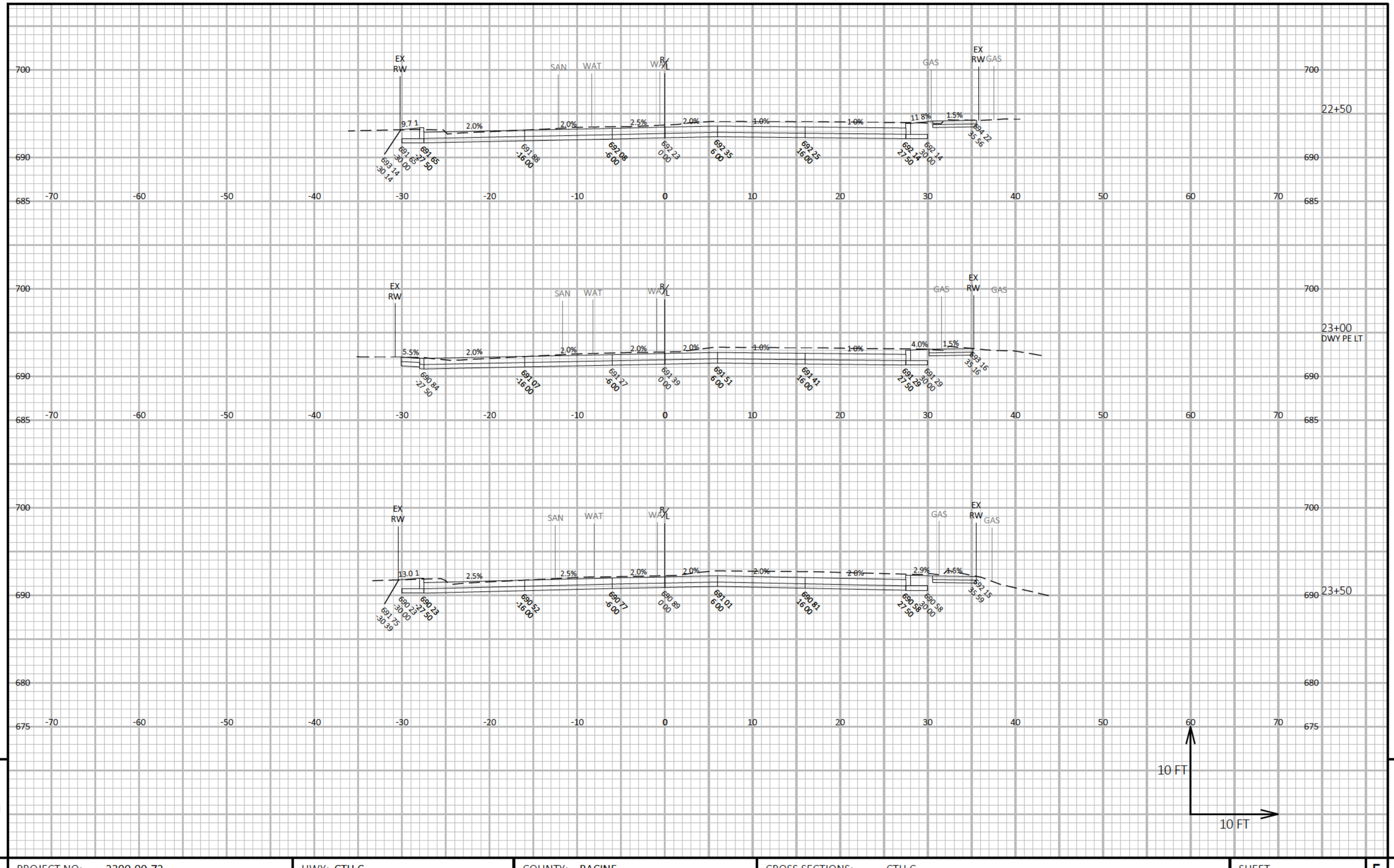
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 332	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 10

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

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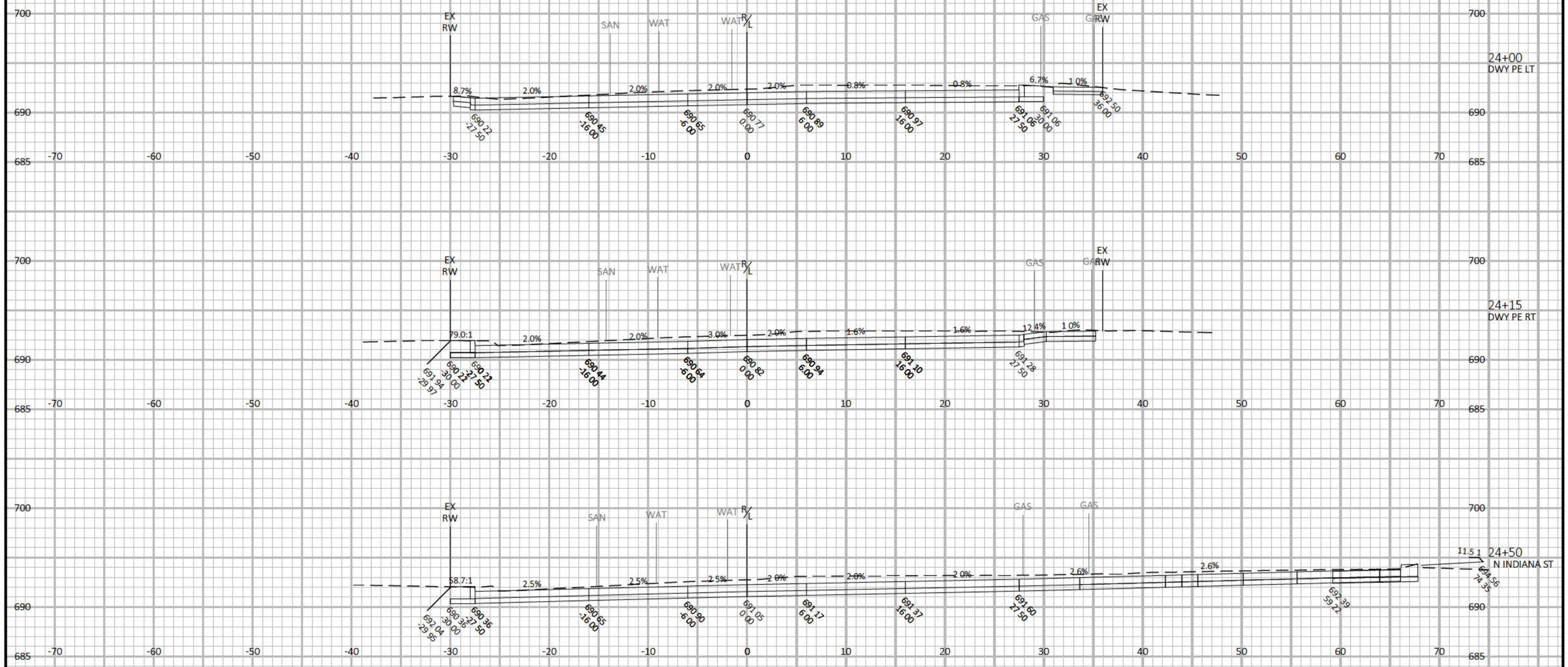
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 333	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 11

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

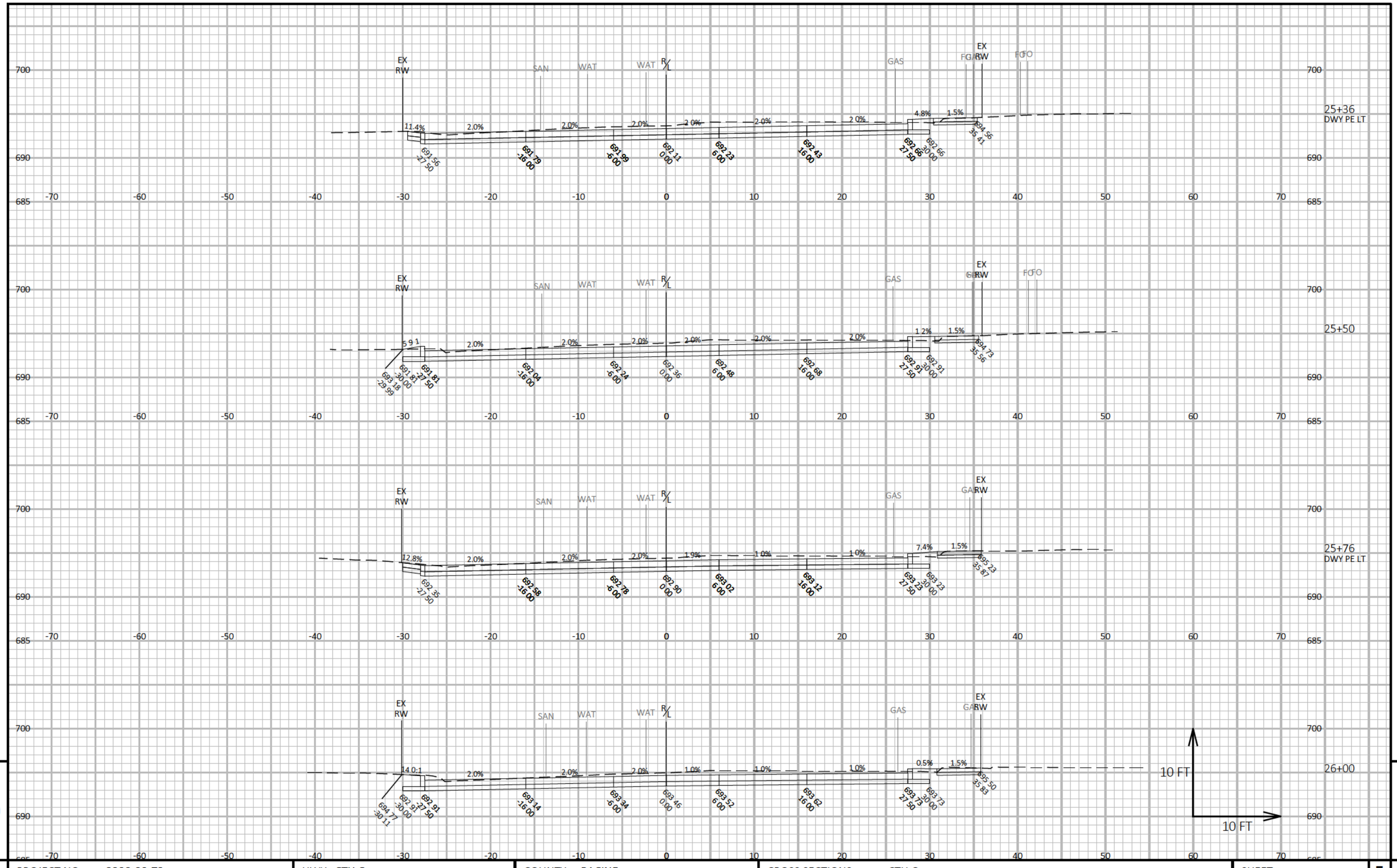


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 334	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 12

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

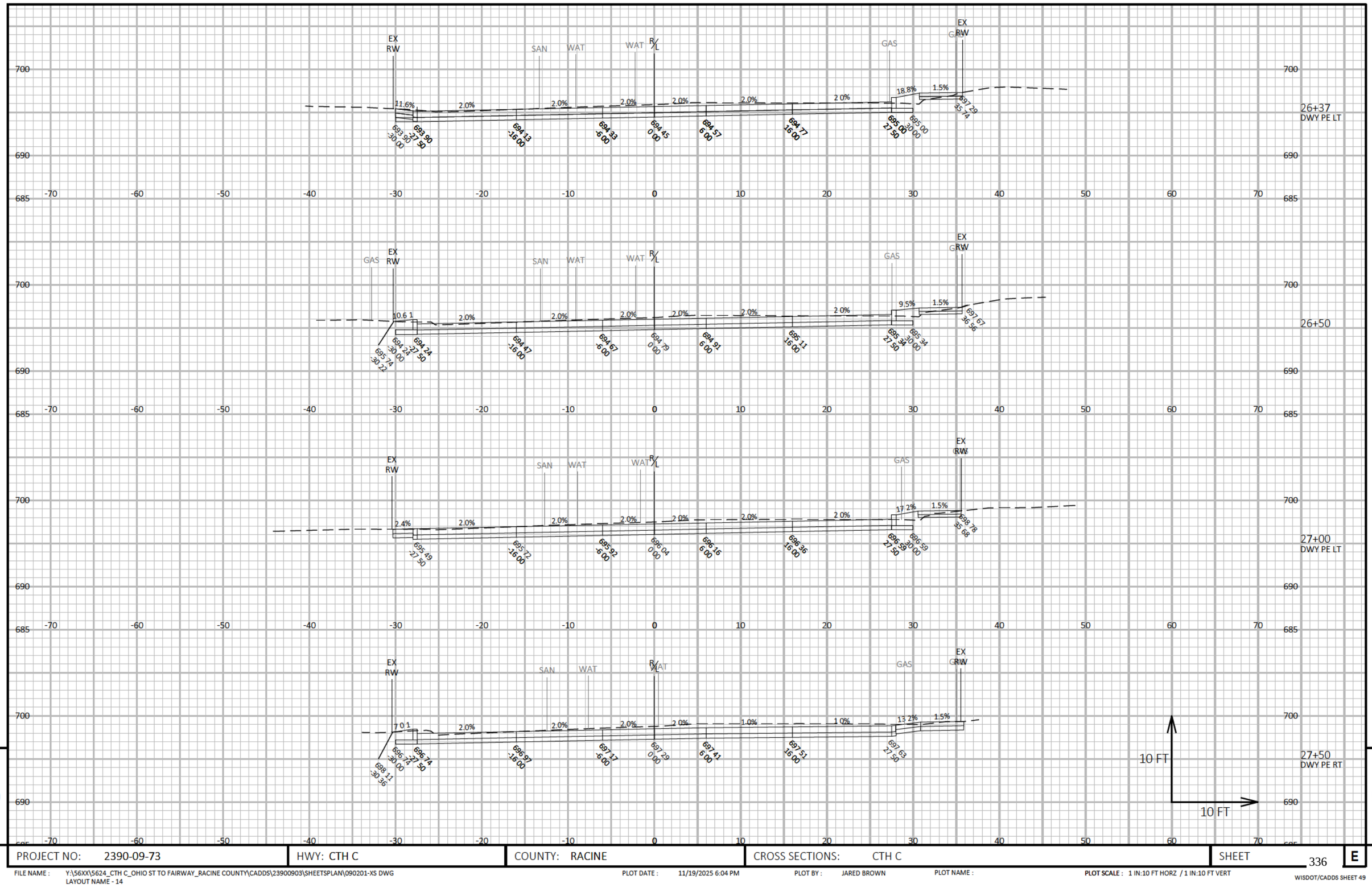


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 335	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 13

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

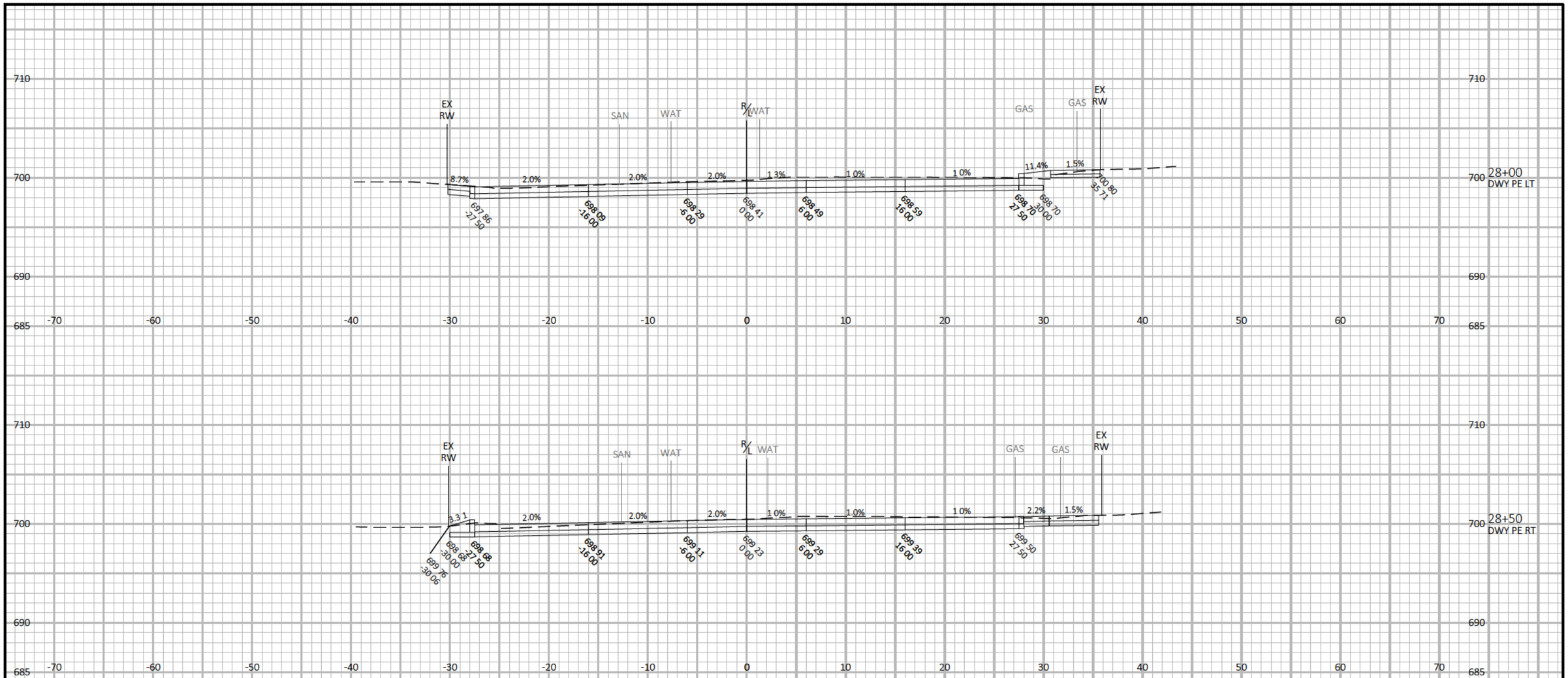


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 336 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 14

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

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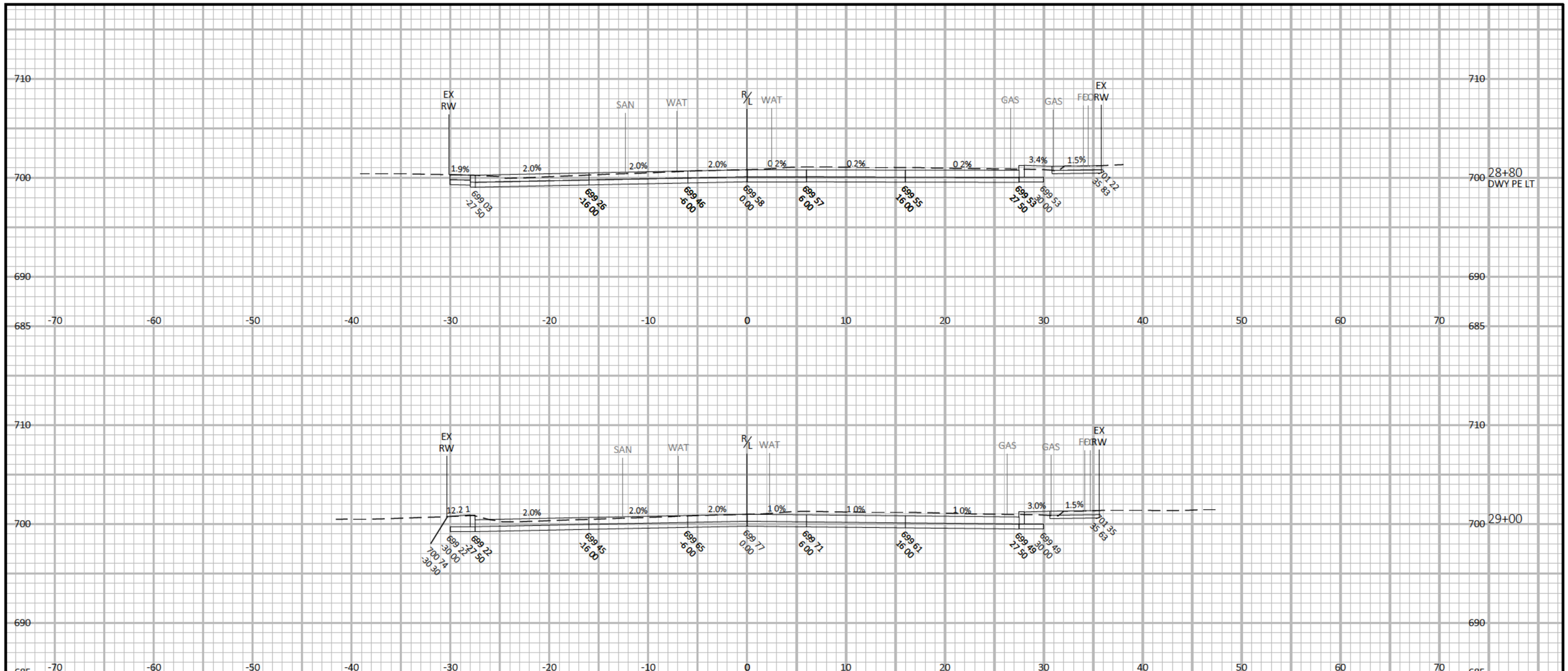
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 337	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 15

PLOT DATE : 11/19/2025 6:04 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

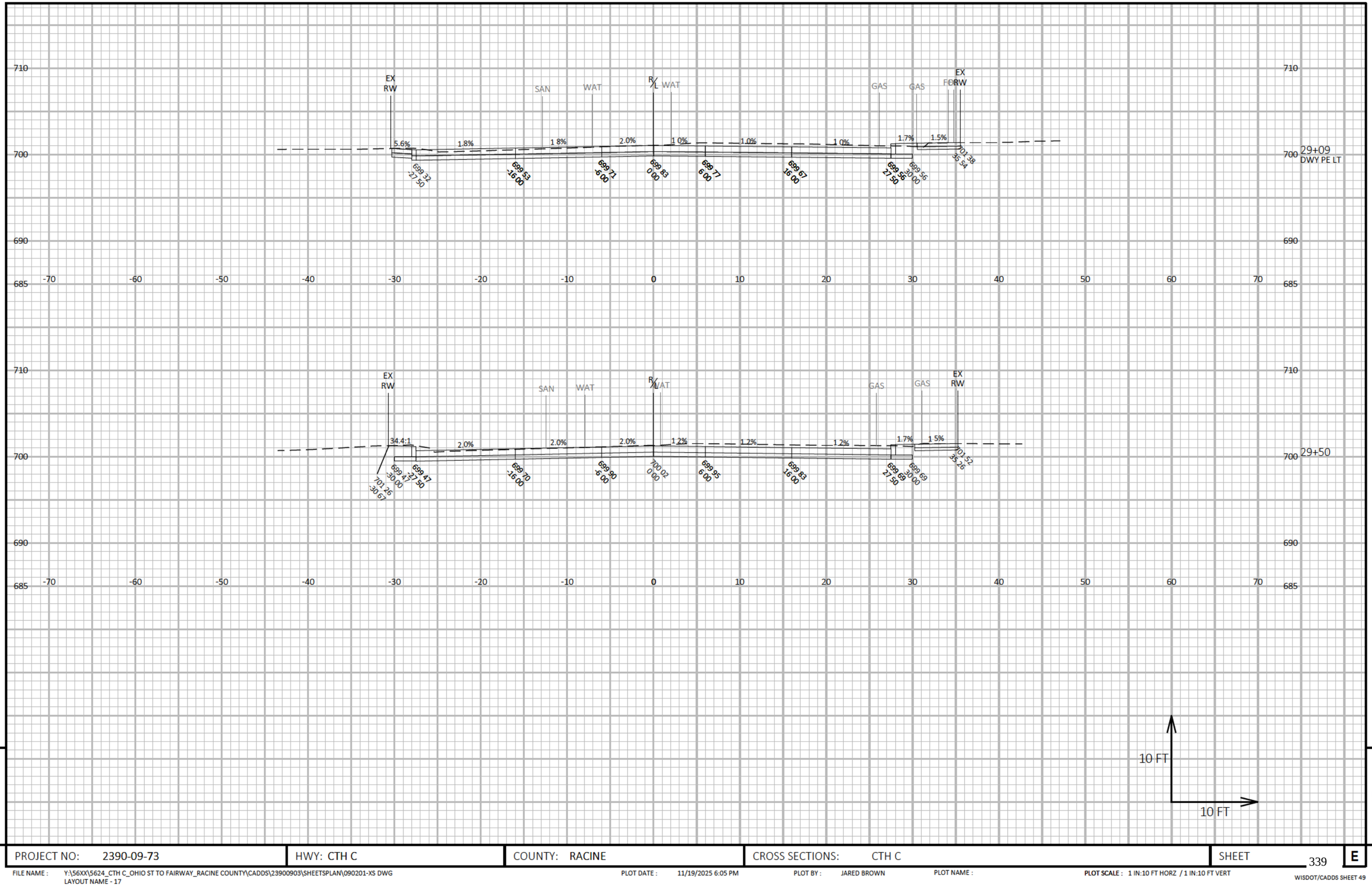


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 338	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 16

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

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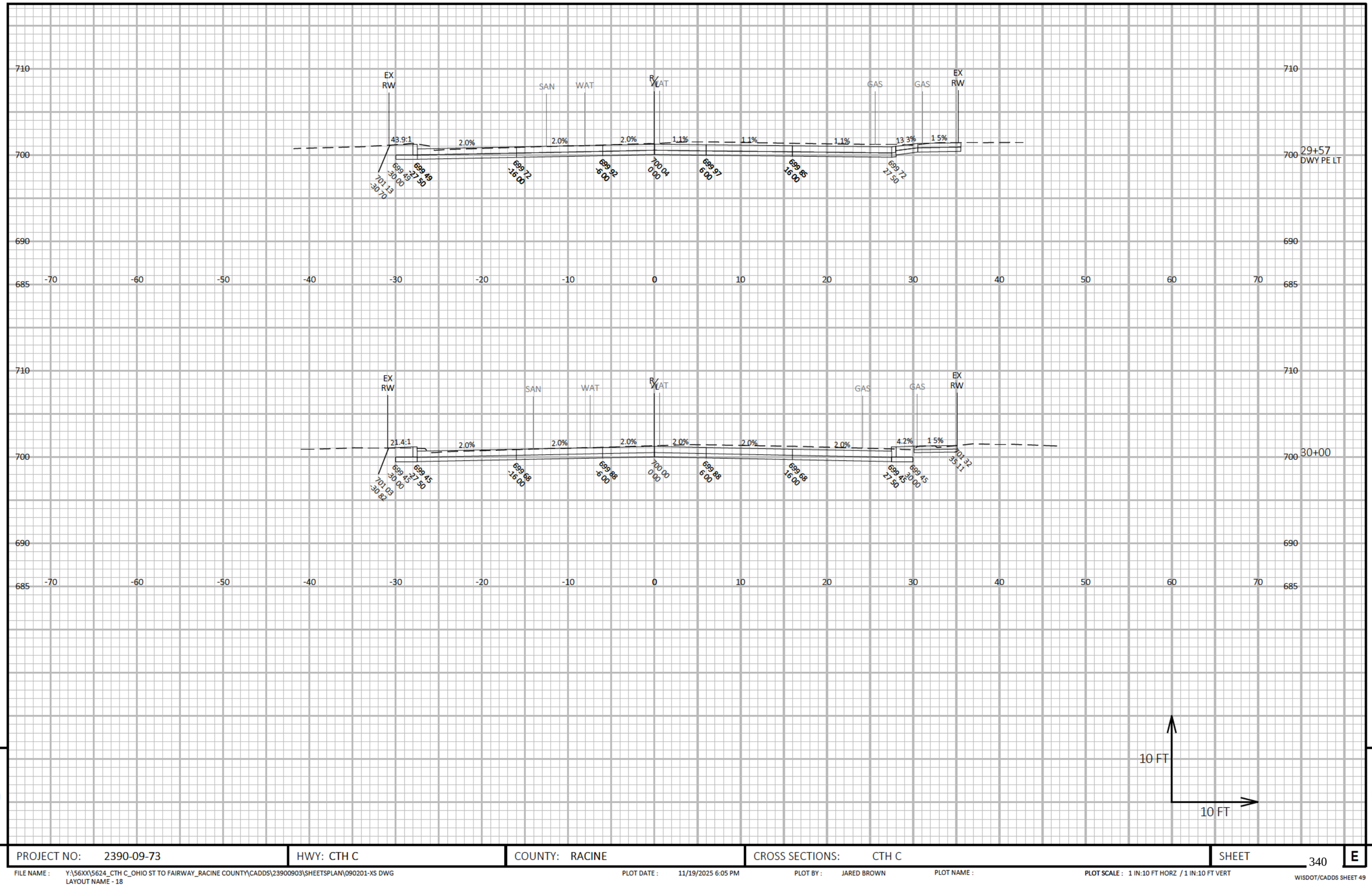
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 339	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 17

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

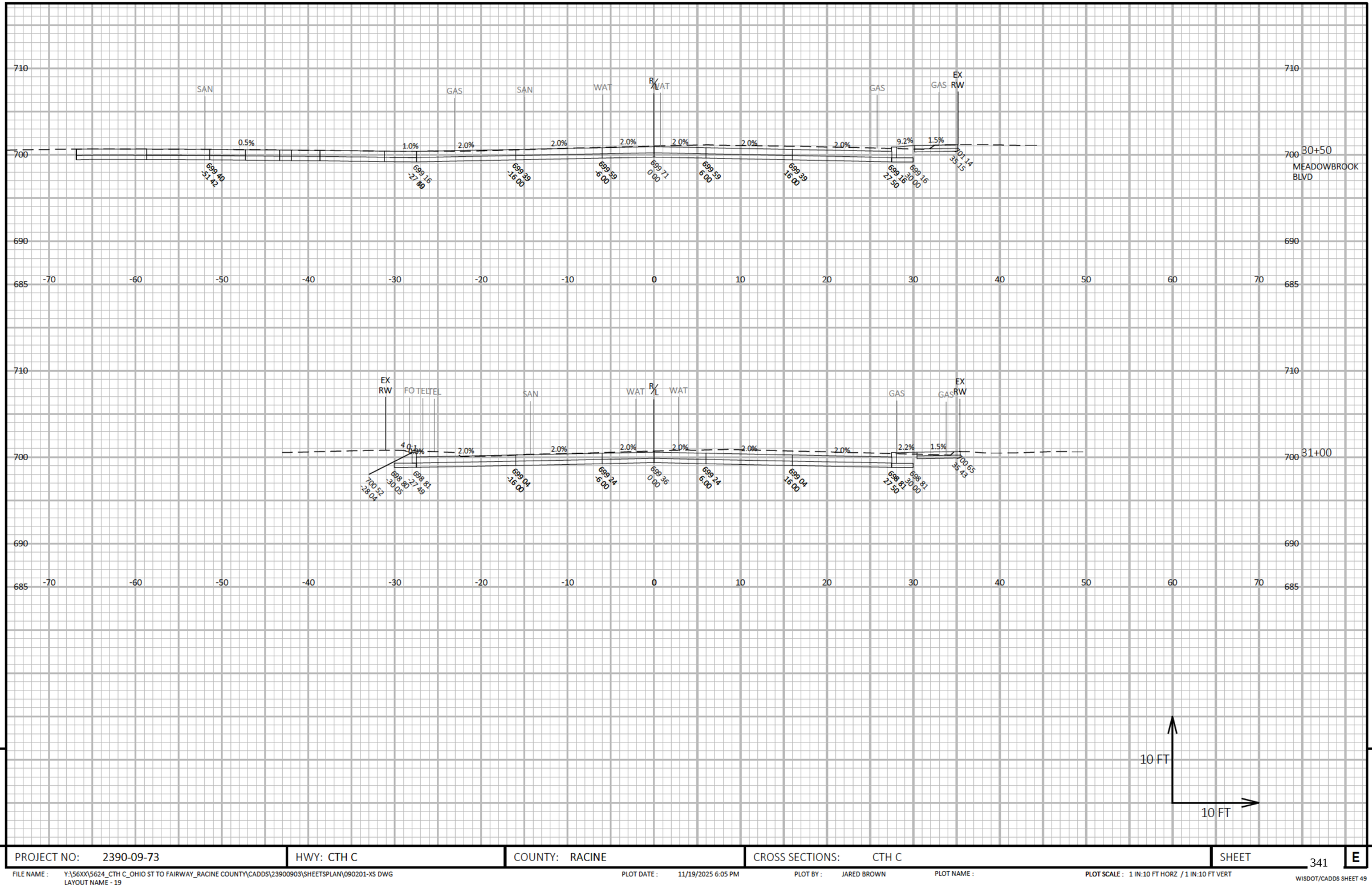
9

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 340	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 18

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



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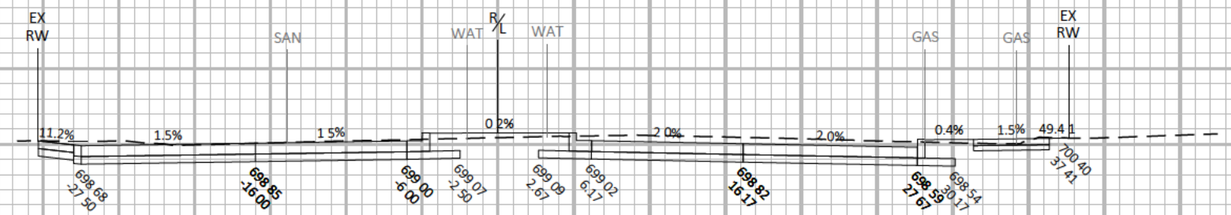
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 341	E

9

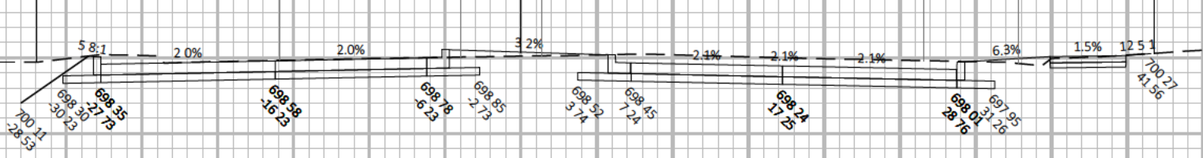
FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 19

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



31+50
DWY PE LT



32+00

10 FT
10 FT

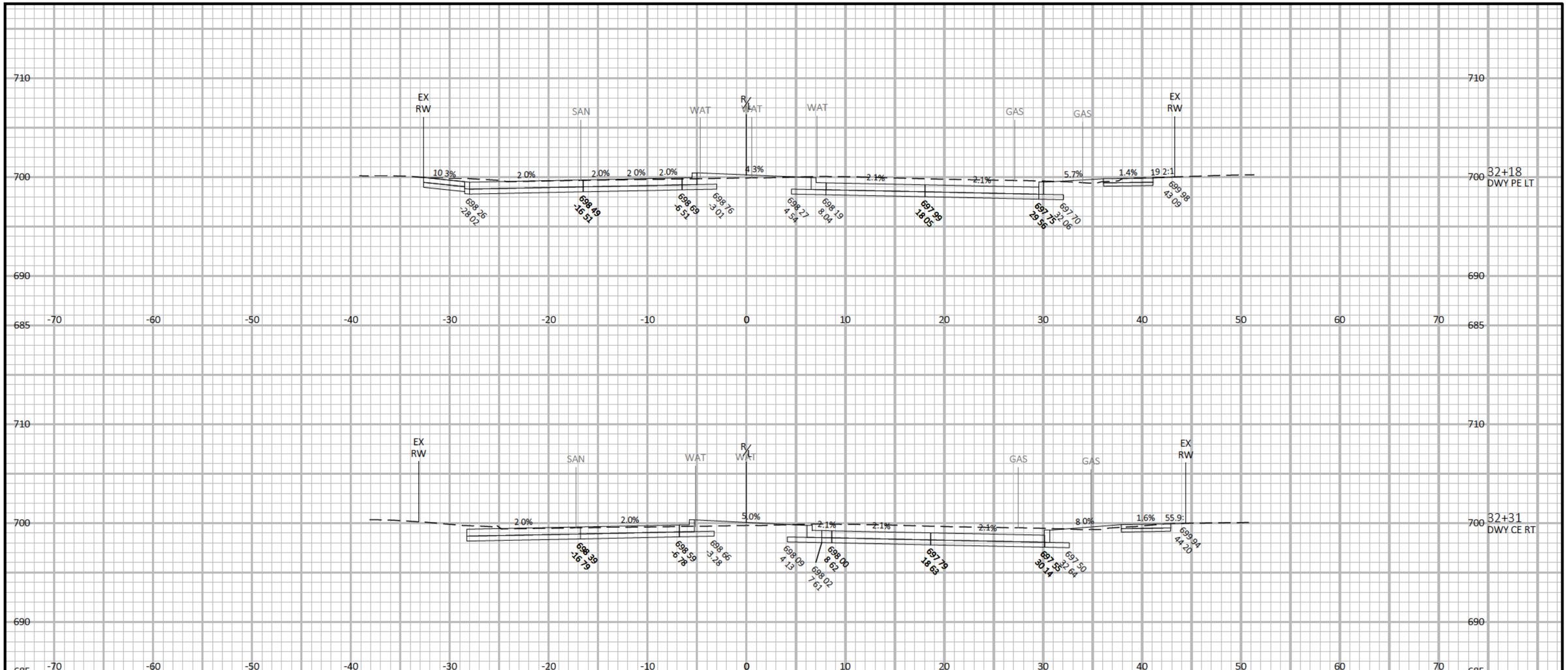
9 9

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 342	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 20

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



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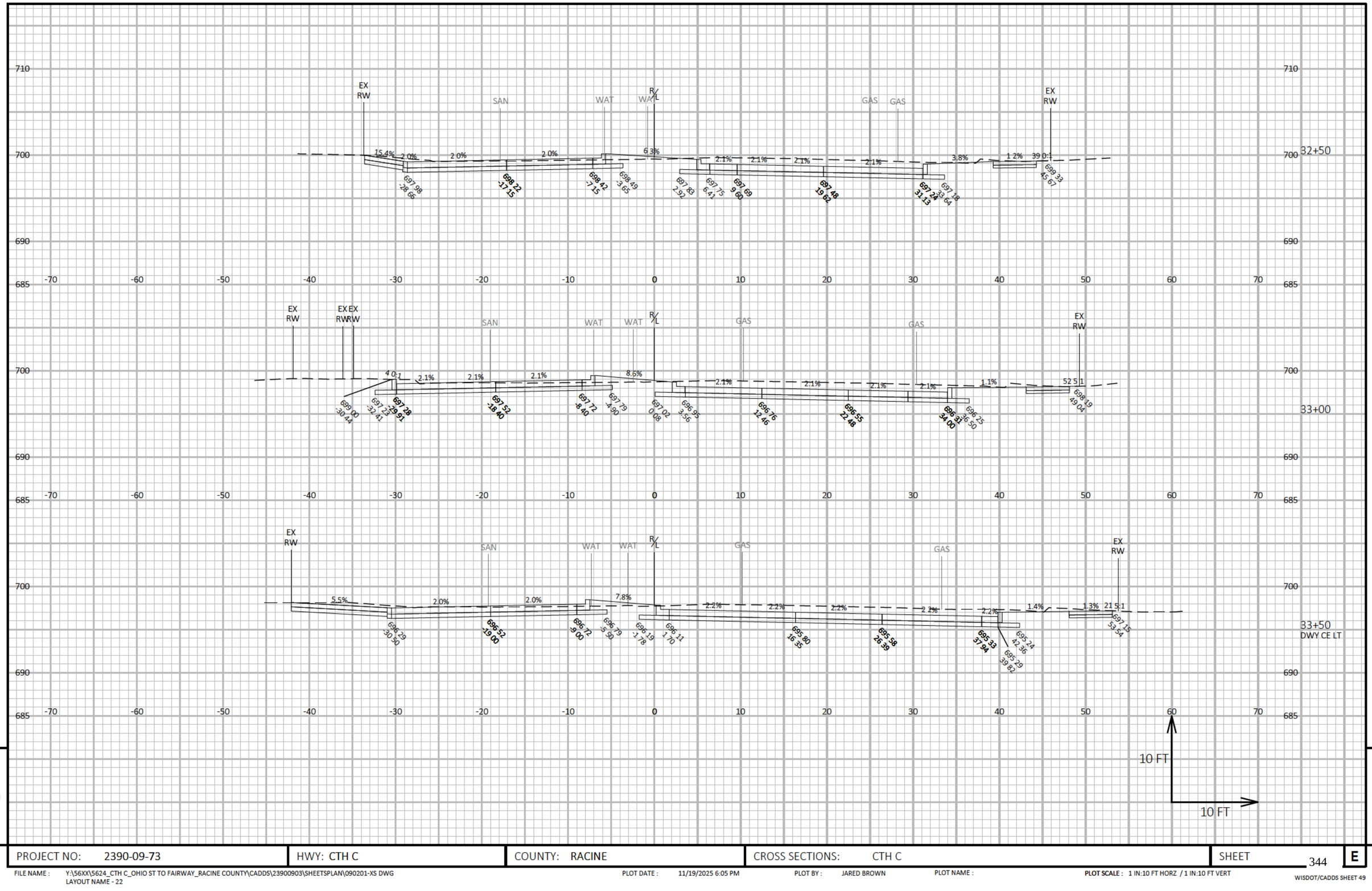
PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 343	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 21

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

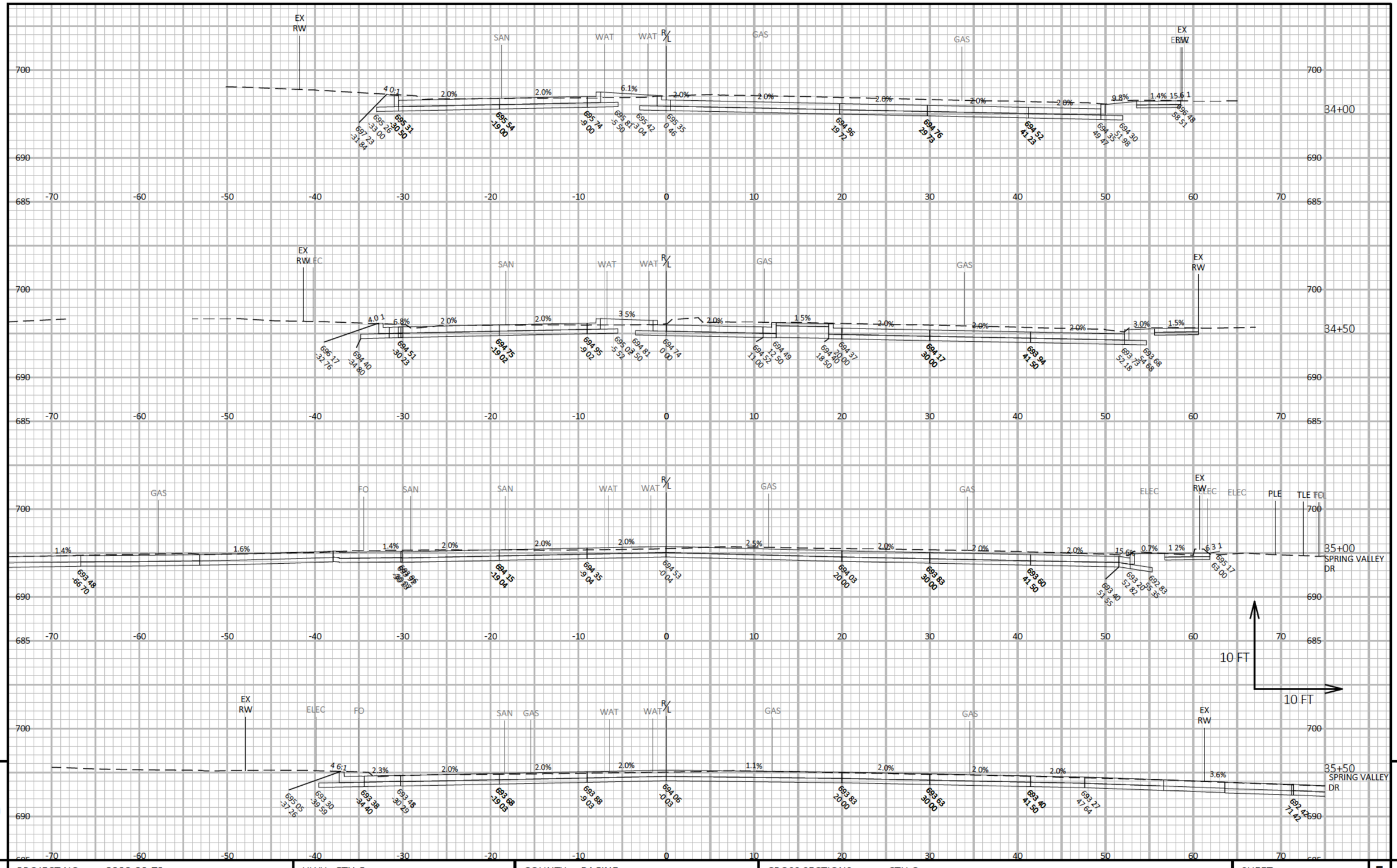


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 344	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 22

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



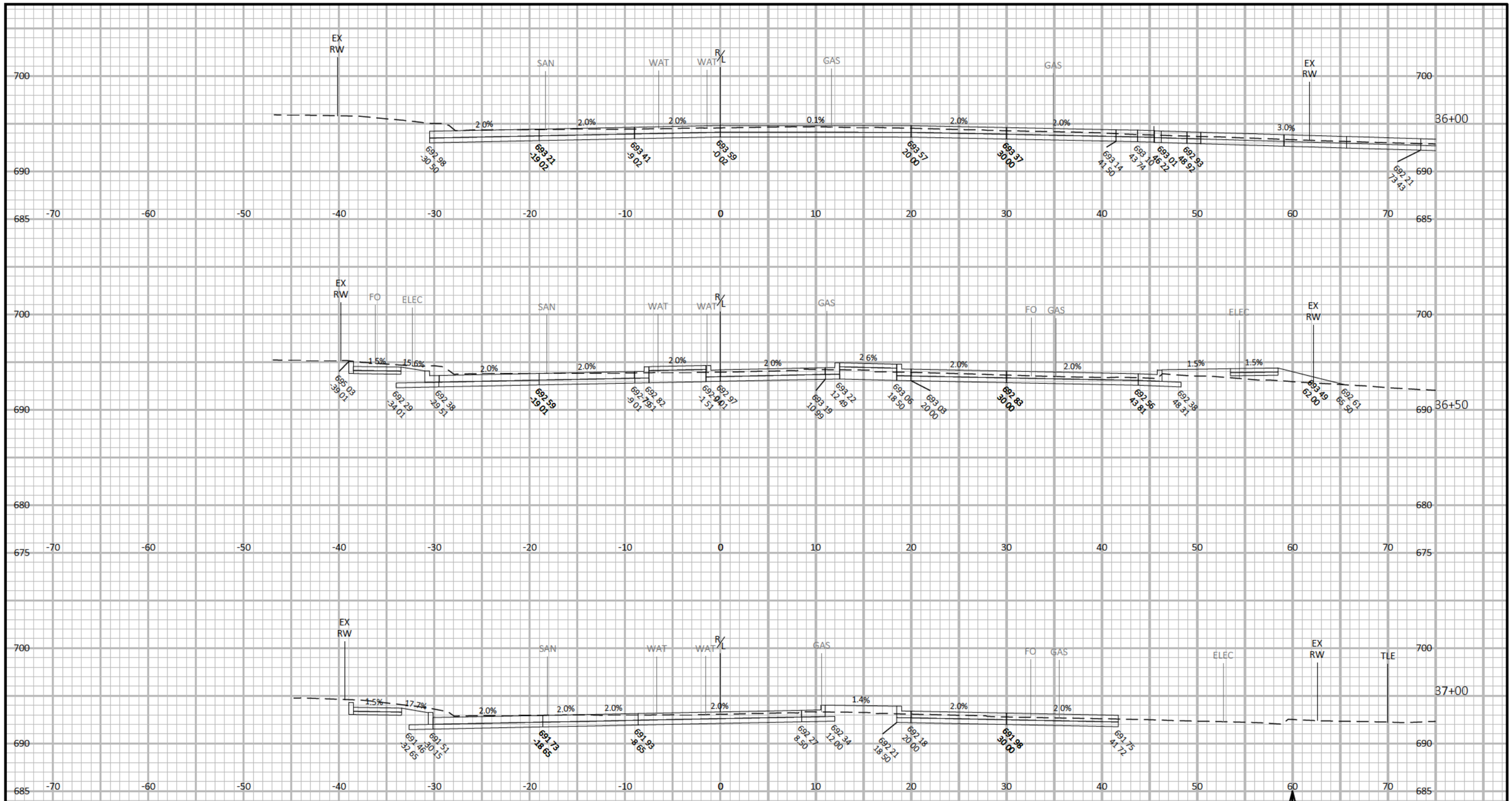
9 9

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 345	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 23

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

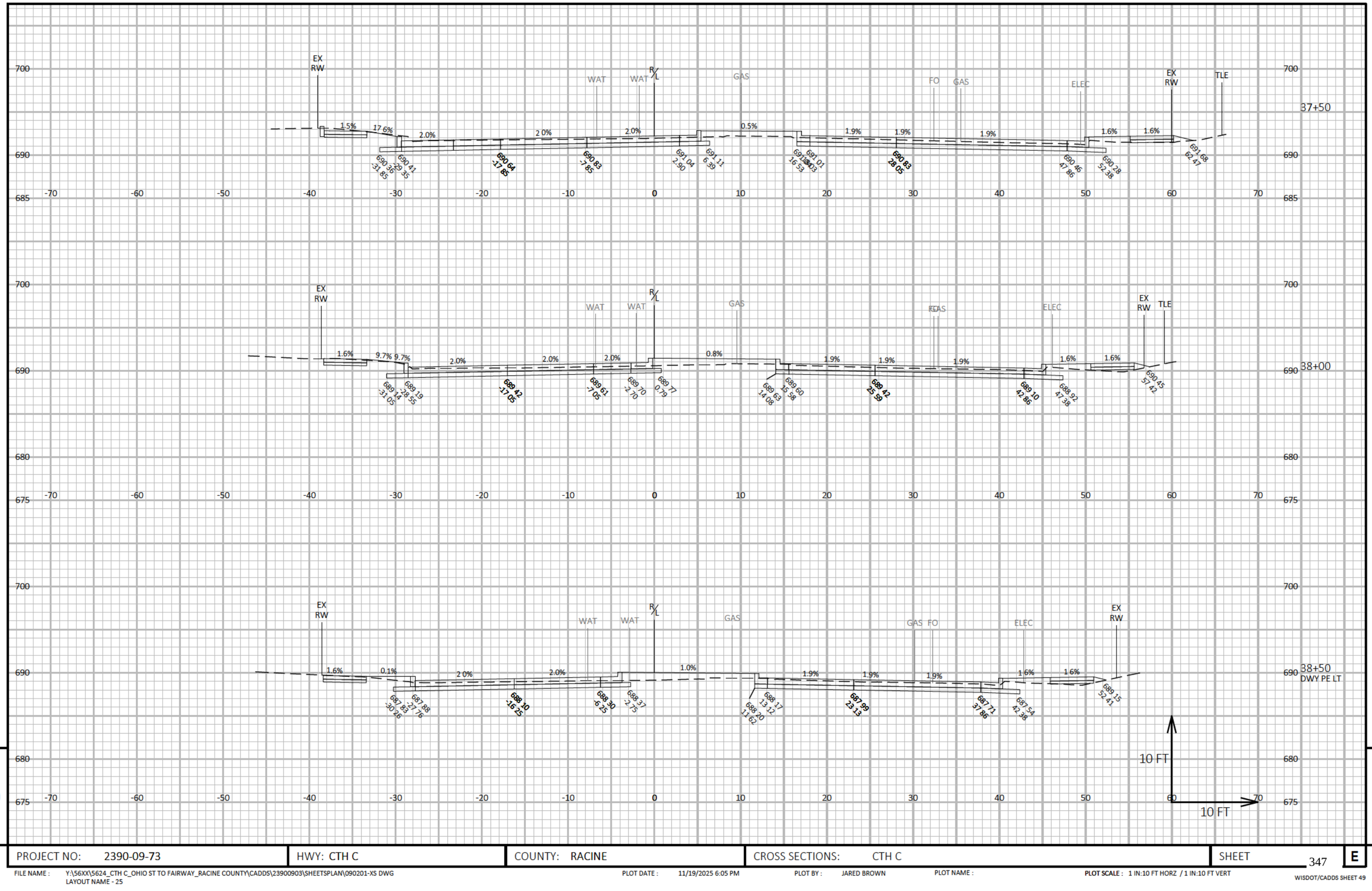


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 346 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 24

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

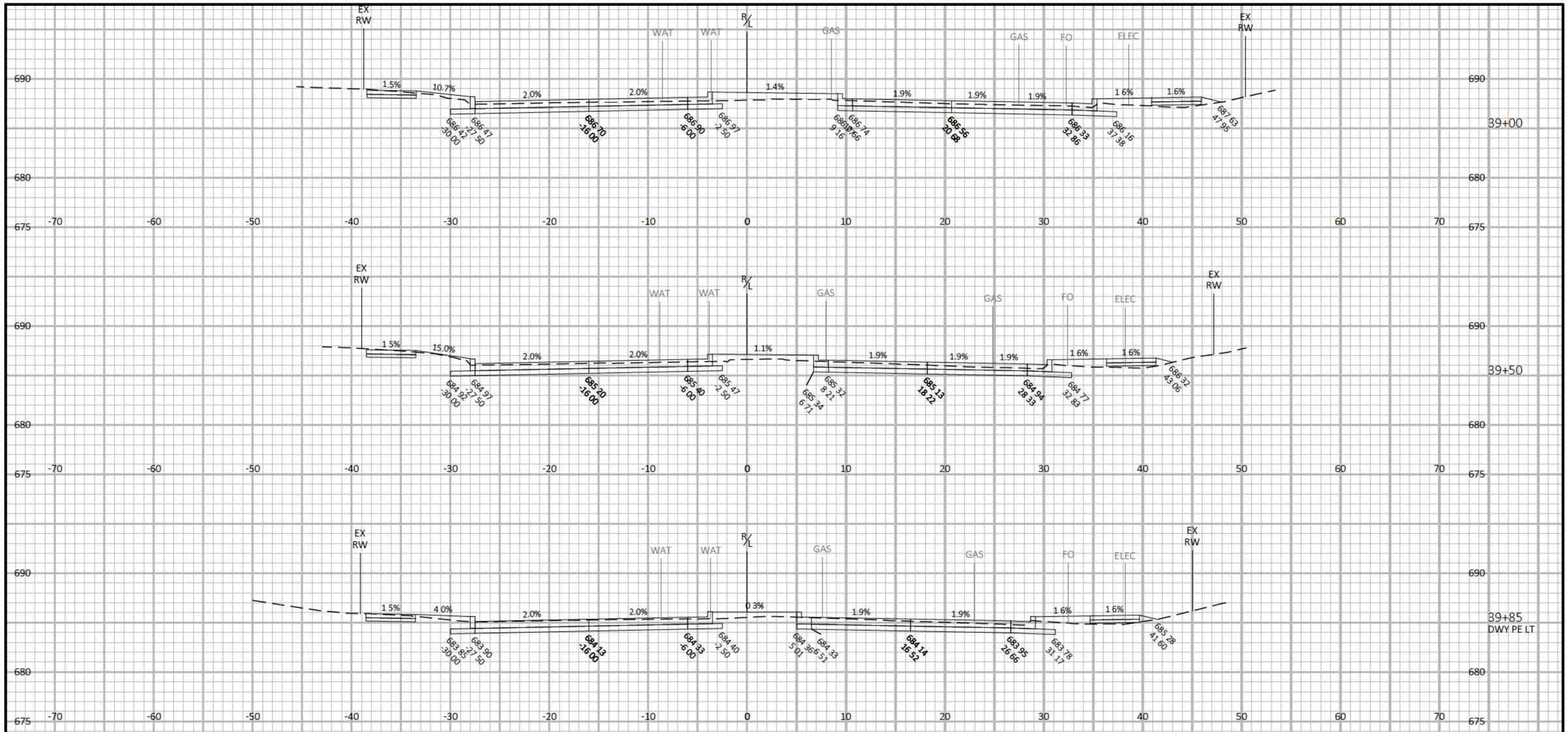


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 347 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 25

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

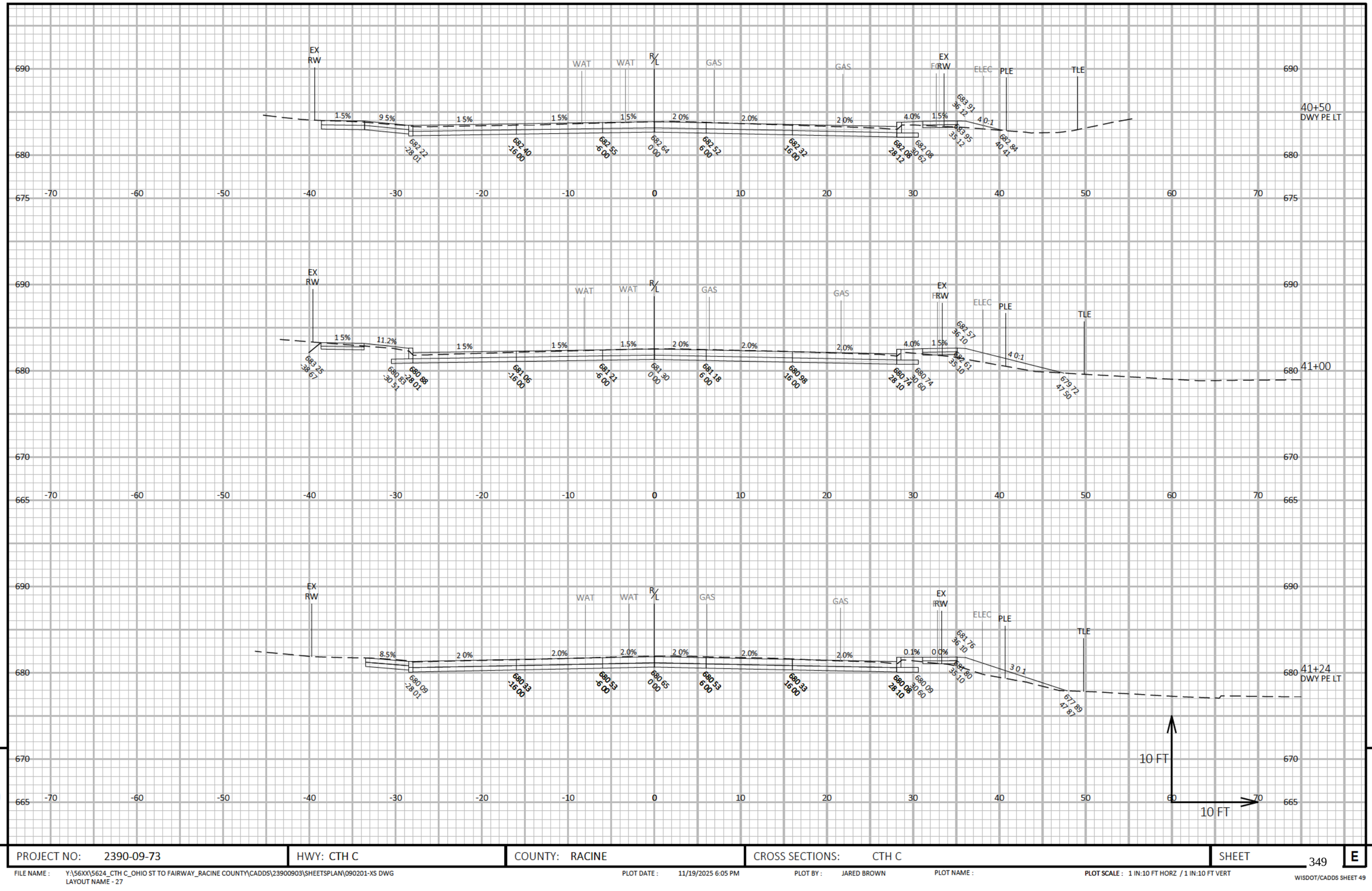


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 348	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 26

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

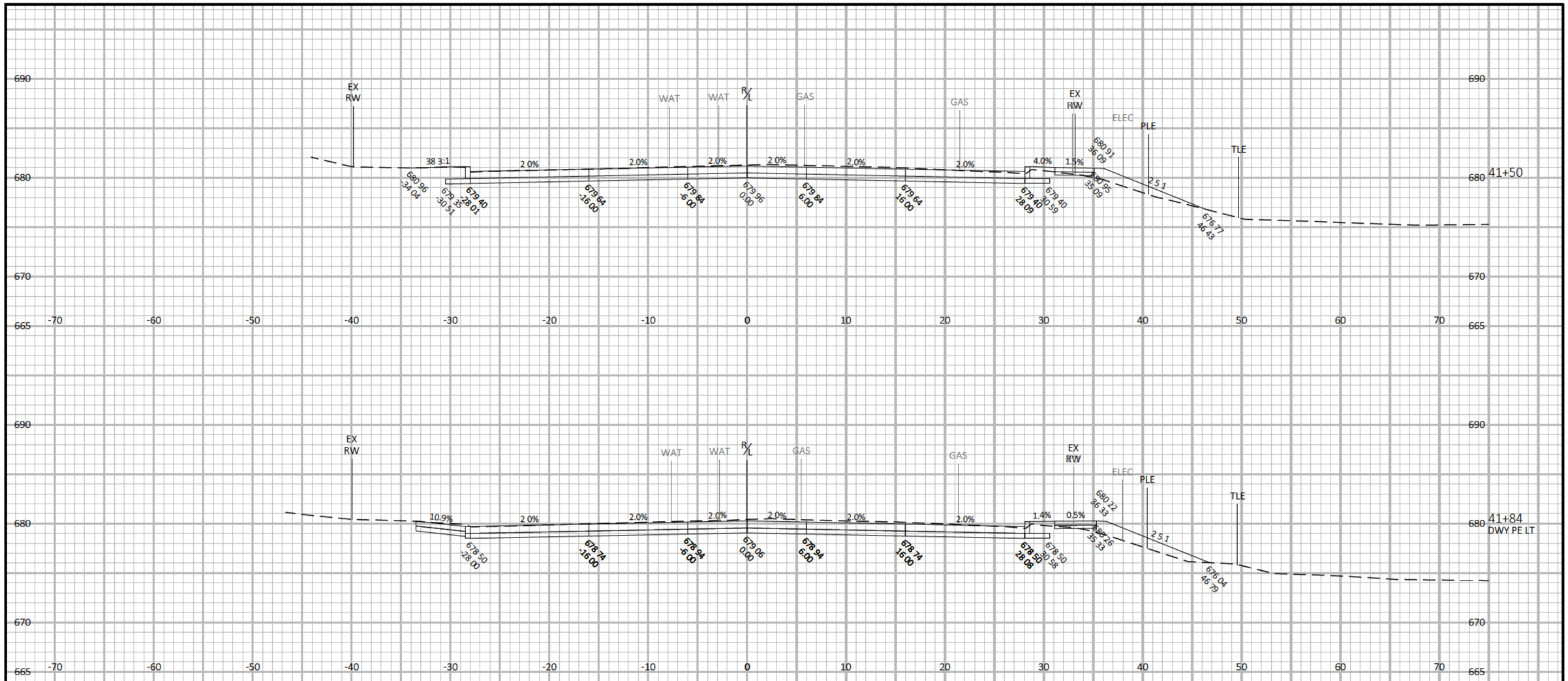
9

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 349	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 27

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



9

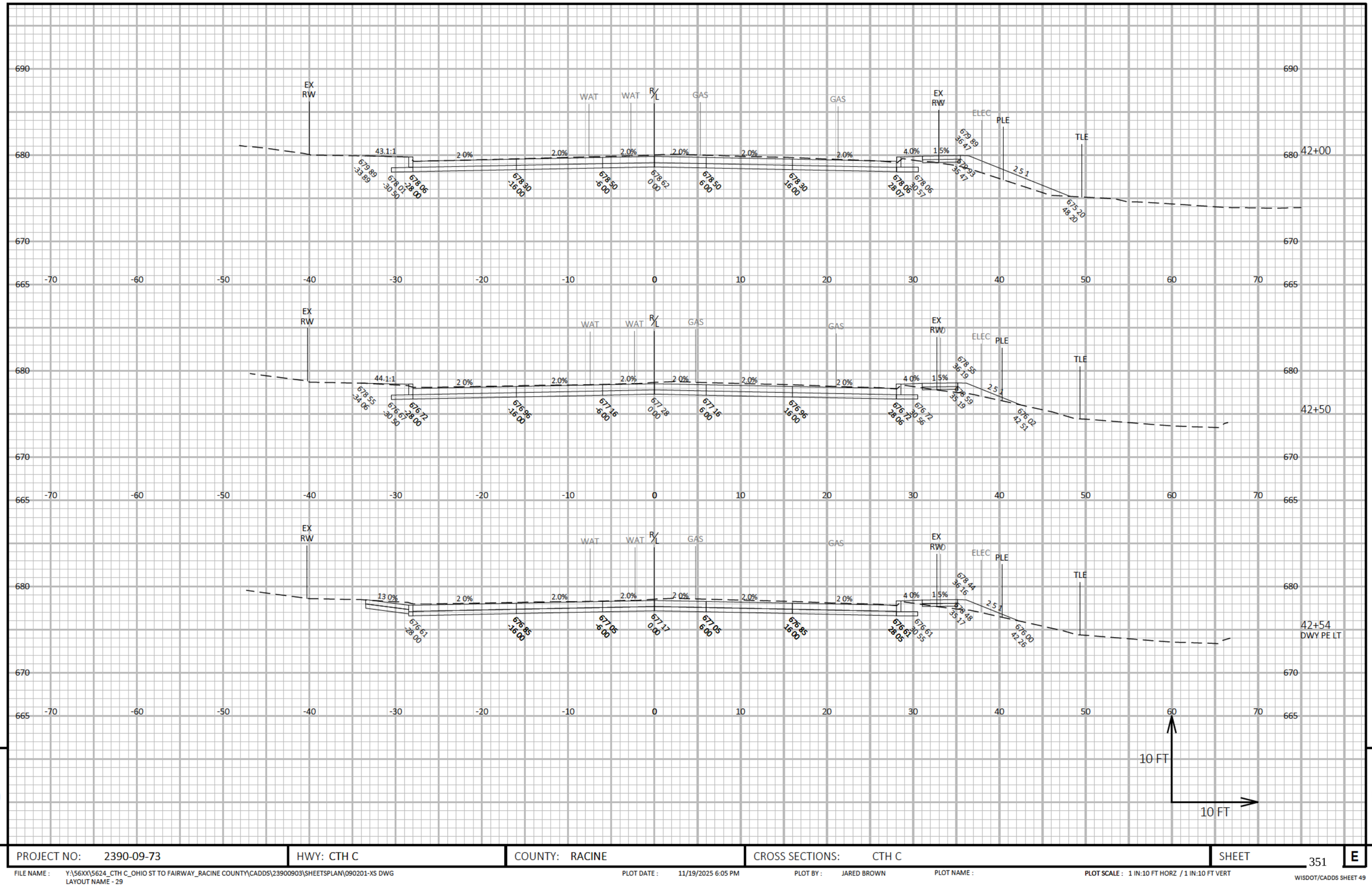
9

PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 350	E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 28

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

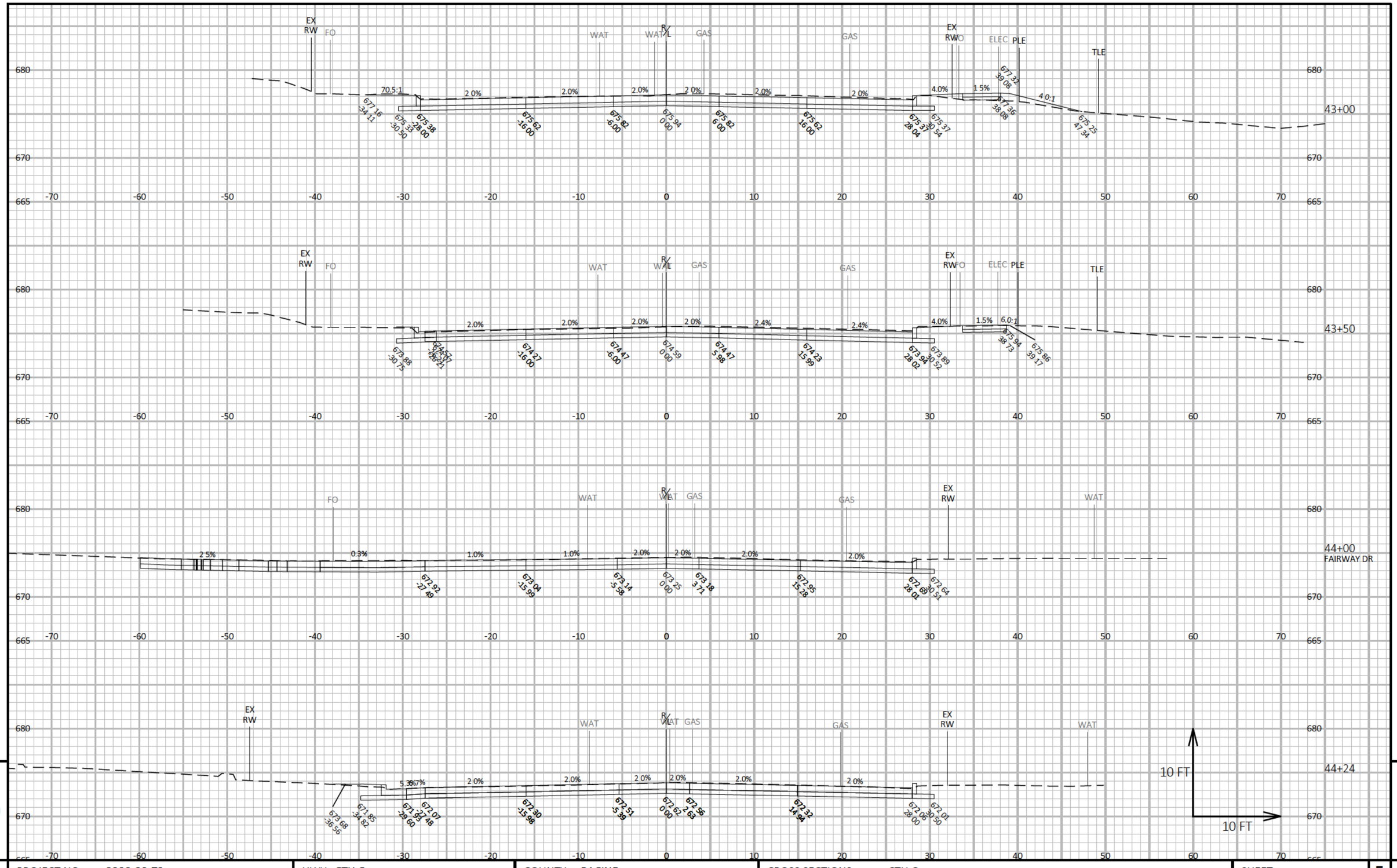


PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 351 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 29

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49



PROJECT NO: 2390-09-73	HWY: CTH C	COUNTY: RACINE	CROSS SECTIONS: CTH C	SHEET 352 E

FILE NAME : Y:\56XX\5624_CTH C_OHIO ST TO FAIRWAY_RACINE COUNTY\CADDS\23900903\SHEETSPLAN\090201-XS DWG
LAYOUT NAME - 30

PLOT DATE : 11/19/2025 6:05 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ / 1 IN:10 FT VERT

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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