MAD

PROJECT ID: **5992-10-20**

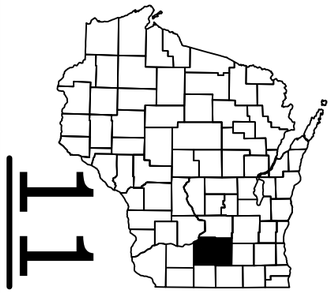
COUNTY: **DANE**

NOVEMBER 2026

ORDER OF SHEETS

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

TOTAL SHEETS = 342



N

DESIGN DESIGNATION 5992-10-20

A.A.D.T.	2026	=	30,200
A.A.D.T.	2046	=	36,150
D.H.V.		=	2,239
D.D.		=	59/41
T.		=	7.4%
DESIGN SPEED		=	40 MPH
ESALS		=	5,500,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

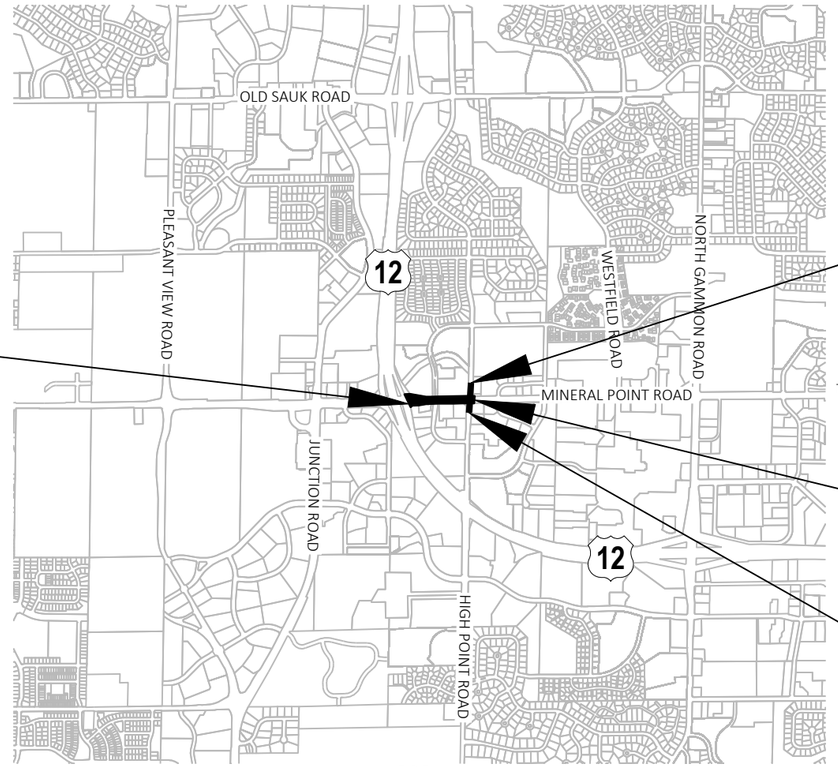
C MADISON, MINERAL POINT ROAD

USH 12 TO HIGH POINT ROAD

LOCAL STREET
DANE COUNTY

STATE PROJECT NUMBER
5992-10-20

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-10-20	WISC 2027065	1



BEGIN PROJECT 5992-10-20
STA 15+92.19
N: 477690.198
E: 784390.367

END CONSTRUCTION
STA 309+65.06

END PROJECT 5992-10-20
STA 27+21.90
N: 477661.411
E: 785520.623

END CONSTRUCTION
STA 301+71.64

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 0.214 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE 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.

ACCEPTED FOR

CITY OF MADISON

Date 8-27-26 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

Mead & Hunt

2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

WISCONSIN BRIAN W. VEIT #41689-006 OREGON, WI PROFESSIONAL ENGINEER

DATE: 08/24/26 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MEAD & HUNT
Designer	MEAD & HUNT
Project Manager	LORRAINE BETZEL, P.E.
Regional Examiner	
Regional Supervisor	DELLA KOENIG, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 8/31/26 (Signature)

E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\010101-TI.DWG PLOT DATE : 8/14/2026 2:56 PM PLOT BY : BRIAN VEIT PLOT NAME :

UTILITIES CONTACTS

ALLIANT ENERGY
ELECTRICITY
NICHOLAS DACHNIWSKJ
935 WBR TOWNLINE RD
BELOIT, WI 53511
608-364-6566
NICHOLASDACHNIWSKJ@ALLIANTENERGY.COM

CITY OF MADISON
SEWER
MARK MODER
210 MARTIN LUTHER KING JR. BLVD
MADISON, WI 53703
608-261-9250
MMODER@CITYOFMADISON.COM

CITY OF MADISON
WATER
ADAM WIEDERHOEFT
1600 EMIL ST
MADISON, WI 53713
608-266-9121
AWIEDERHOEFT@MADISONWATER.ORG

CITY OF MADISON
COMMUNICATIONS
JERRY SHIPPA
215 MARTIN LUTHER KING JR. BLVD
MADISON, WI 53703
608-266-4761
JSCHIPPA@CITYOFMADISON.COM

CITY OF MADISON
COMMUNICATIONS
TALETHA SKAR
210 MARTIN LUTHER KING JR. BLVD
MADISON, WI 53703
608-571-5873
TSKAR@CITYOFMADISON.COM

LEVEL 3 COMMUNICATION
COMMUNICATIONS
RYAN BIRDSALL
3235 INTERTECH DR.
BROOKFIELD, WI 53045
608-444-2493
RYAN.BIRDSALL@LUMEN.COM

MADISON GAS & ELECTRIC CO
GAS
ROGER AHLES
623 RAILROAD ST.
MADISON, WI 53701
608-252-5682
RAHLES@MGE.COM

MCI
COMMUNICATIONS
RJ CICATELLO
15725 WEST RYERSON RD
NEW BERLIN, WI 53151
262-232-1323
RANDY.CICATELLO@VERIZON.COM

SPECTRUM COMMUNICATIONS
COMMUNICATIONS
ANDY WIETECKA
400 WASHINGTON BLVD.
STAMFORD, CT 06902
608-288-6825
ANDY.WIETECKA@CHARTER.COM

TDS TELECOM
COMMUNICATIONS
LORIN MISSALL
525 JUNCTION ROAD
MADISON, WI 53717
608-225-5913
LORIN.MISSALL@TDSTELECOM.COM

WINDSTREAM LLC
COMMUNICATIONS
LORI KETTER
4001 RODNEY PARHAM RD.
LITTLE ROCK, AR 72212
920-410-6902
LORI.KETTER@WINDSTREAM.COM

WISCONSIN DNR LIAISON

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SOUTHWEST
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2101 WRIGHT STREET
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CITY OF MADISON CONTACT

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MADISON, WI 53703-3340
PHONE: 608-266-9219
EMAIL: AZWIEG@CITYOFMADISON.COM

CONSULTANT REPRESENTATIVE

BRIAN VEIT
PROJECT MANAGER - MEAD & HUNT
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MIDDLETON WI 53562-1562
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EMAIL: BRIAN.VEIT@MEADHUNT.COM

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL DETAILS
PLAN DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
UTILITY PLAN
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNAL REMOVAL
TRAFFIC SIGNAL TEMPORARY
TRAFFIC SIGNAL PROPOSED
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAILS

GENERAL NOTES

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

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

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

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.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE 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. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

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

CURB AND GUTTER PLAN GRADES ARE AT THE FLANGE LINE UNLESS OTHERWISE NOTED.

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

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

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.

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 STRIPTURF:	.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 SLOPETURF:			.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 = 3.58 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.82 ACRES

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

STANDARD ABBREVIATIONS

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

2

2

N

JUNCTION ROAD

USH 12

SOUTH OAKBRIDGE COURT

OAKBRIDGE COURT

EAST OAKBRIDGE WAY

TREE LANE

SOUTH HIGH POINT ROAD

RANDOLPH DRIVE

WESTWARD WAY

MINERAL POINT ROAD

BEGIN CONSTRUCTION
STA 115+91.01 'WB'

END CONSTRUCTION
STA 202+17.34

END CONSTRUCTION
STA 309+65.06

END CONSTRUCTION
STA 128+02.26 'WB'

105WB 110WB 115WB 120WB 125WB 130WB

5EB 10EB 15EB 20EB 25EB 30EB 32EB

310

305

300

BEGIN CONSTRUCTION
STA 200+85.36

STA BACK = 501+00.00
STA AHEAD = 1+00.00

COMMERCE DRIVE

BIG SKY DRIVE

GANSER WAY

D'ONOFRIO DRIVE

RADCLIFFE DRIVE

END PROJECT 5992-10-20
STA 27+21.90 'EB'

BEGIN CONSTRUCTION
STA 301+71.64

BEGIN PROJECT 5992-10-20
STA 15+92.19 'EB'

CARRINGTON DRIVE

WEST TOWNE WAY

D'ONOFRIO DRIVE

ZOR SHRINE PLACE

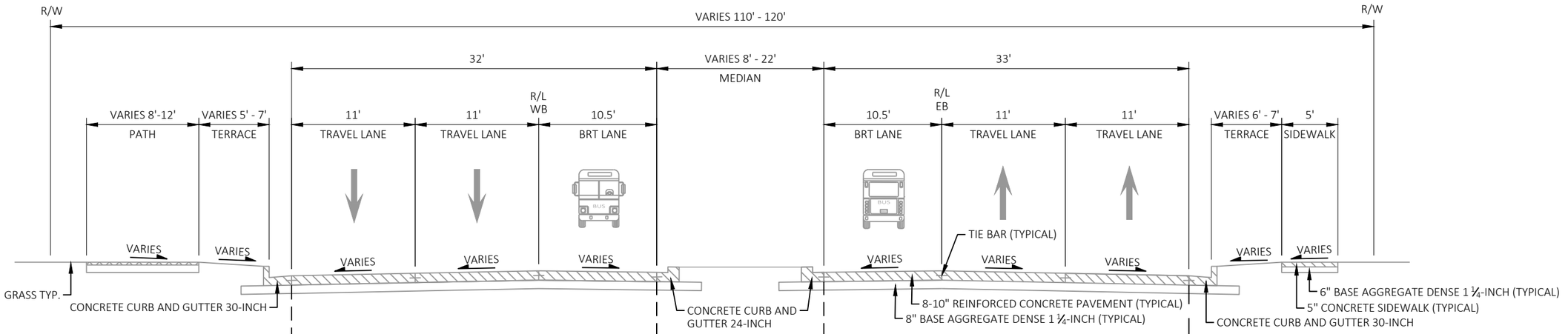
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 9/24/2026 12:27 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:400 FT

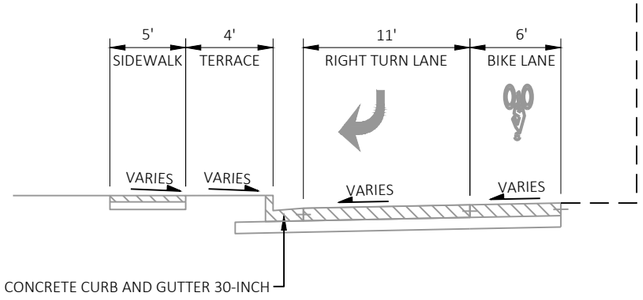
WISDOT/CADDS SHEET 42

2



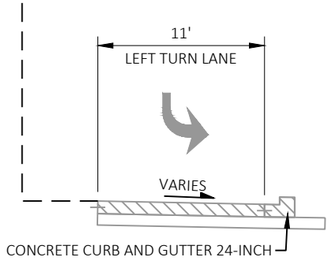
EXISTING TYPICAL SECTION MINERAL POINT ROAD

STA 15+92 'EB' - 27+22 'EB'
STA 115+91 'WB' - 128+02 'WB'



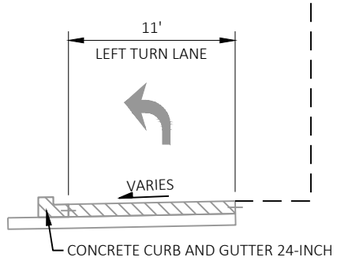
EXISTING TYPICAL SECTION

STA 115+91 'WB' - 118+91 'WB'



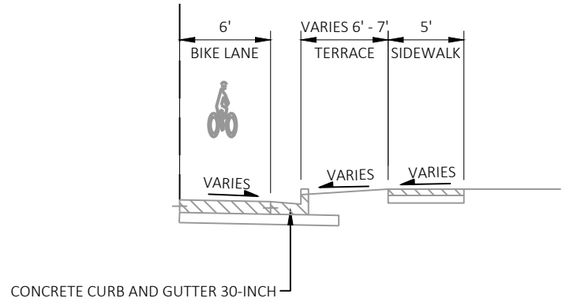
EXISTING TYPICAL SECTION

STA 115+91 'WB' - 119+35 'WB'
STA 121+67 'WB' - 124+00 'WB'



EXISTING TYPICAL SECTION

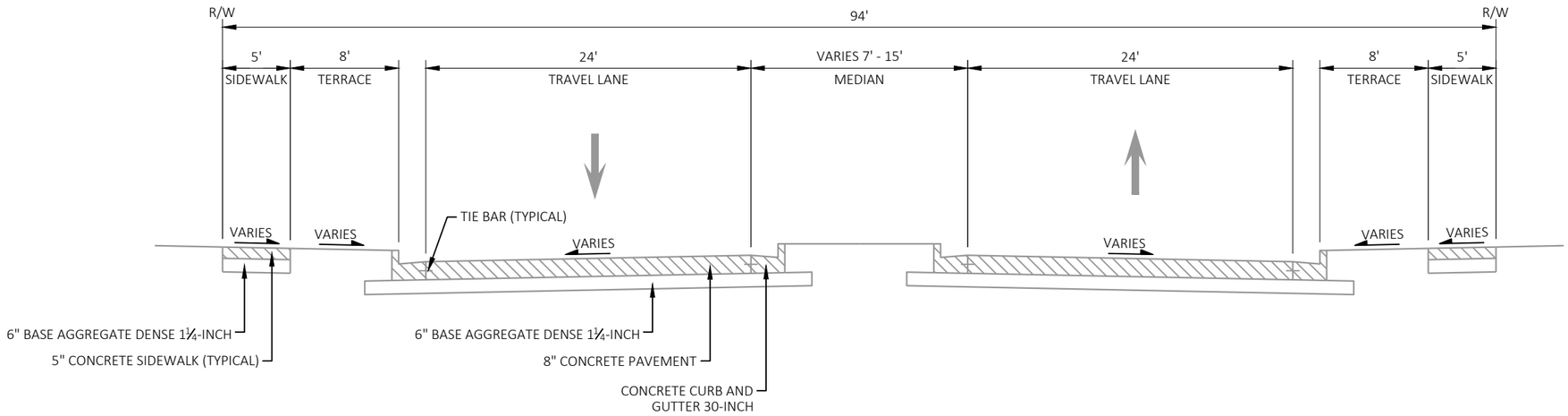
STA 17+82 'EB' - 21+00 'EB'
STA 24+46 'EB' - 27+33 'EB'



EXISTING TYPICAL SECTION

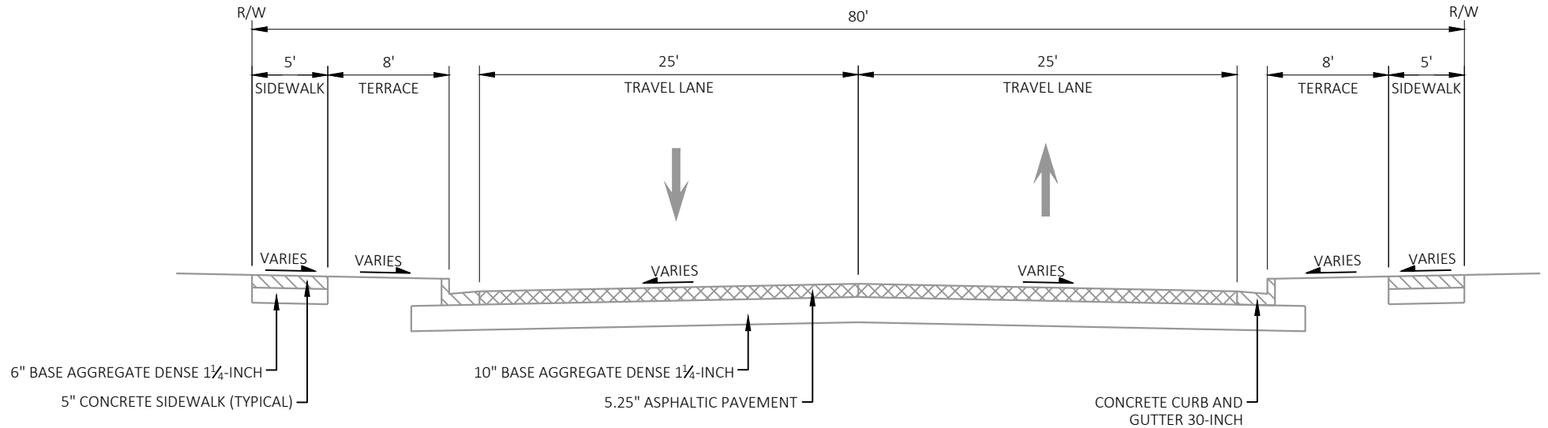
STA 15+92 'EB' - 19+40 'EB'

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E



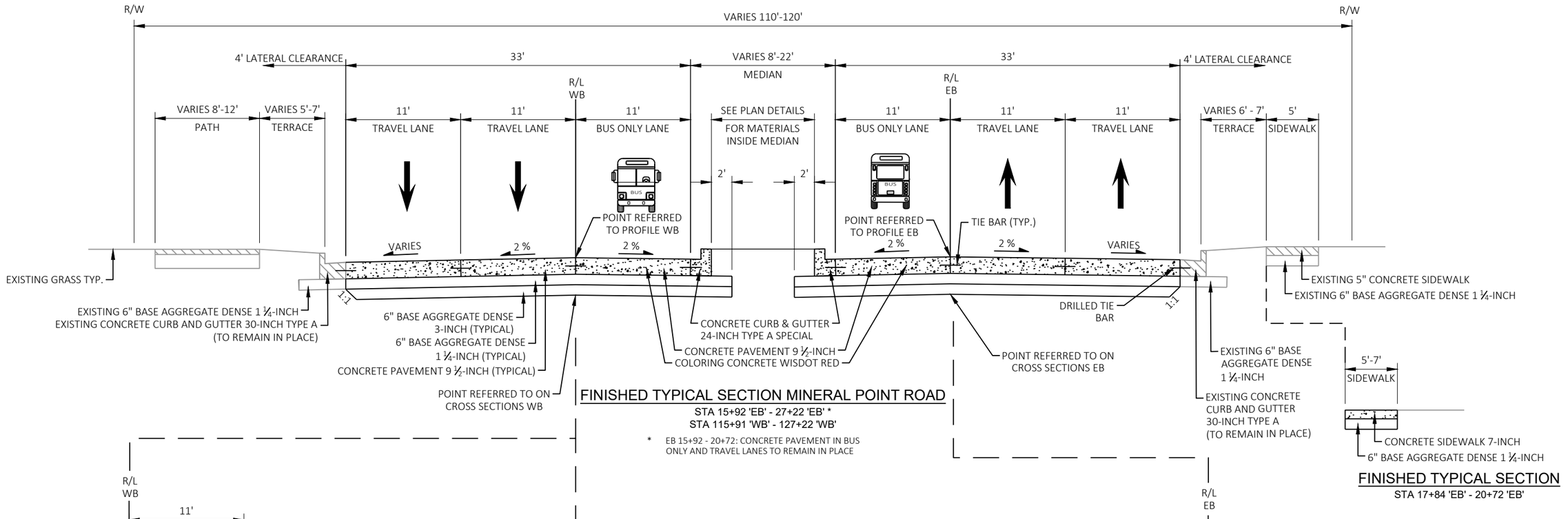
EXISTING TYPICAL SECTION BIG SKY DRIVE & TREE LANE

STA 200+85 - 202+17



EXISTING TYPICAL SECTION SOUTH HIGH POINT ROAD

STA 301+72 - 309+65



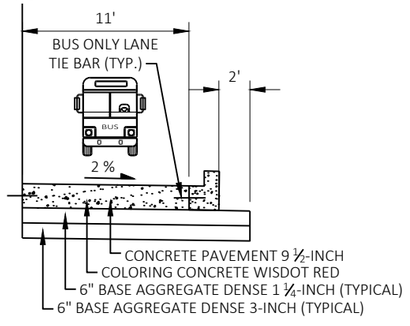
FINISHED TYPICAL SECTION MINERAL POINT ROAD

STA 15+92 'EB' - 27+22 'EB' *
STA 115+91 'WB' - 127+22 'WB'

* EB 15+92 - 20+72: CONCRETE PAVEMENT IN BUS ONLY AND TRAVEL LANES TO REMAIN IN PLACE

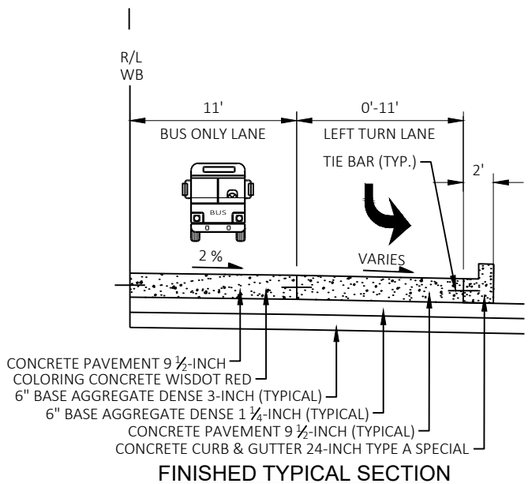
FINISHED TYPICAL SECTION

STA 17+84 'EB' - 20+72 'EB'



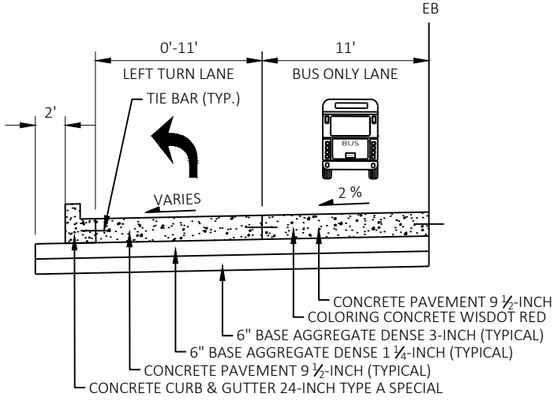
FINISHED TYPICAL SECTION

STA 126+24 'WB' - 126+79 'WB'



FINISHED TYPICAL SECTION

STA 116+12 'WB' - 118+91 'WB'
STA 121+90 'WB' - 124+90 'WB'

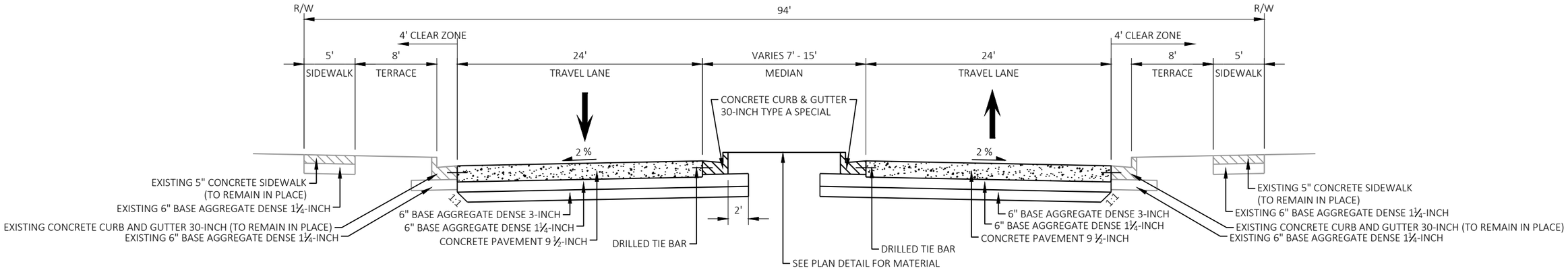


FINISHED TYPICAL SECTION

STA 24+17 'EB' - 26+78 'EB'

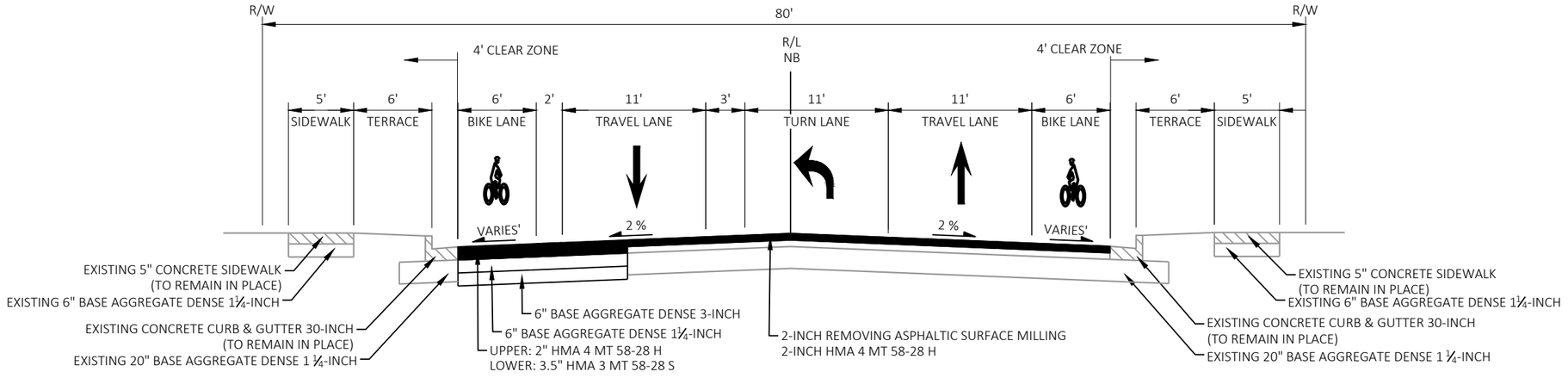
NOTES

1. PERFORM CURB & GUTTER SPOT REPLACEMENT AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER
2. ADD TOPSOIL AND SOD WHERE THE TERRACE IS DISTURBED AND/OR AS DIRECTED BY THE ENGINEER
3. PERFORM 5" CONCRETE SIDEWALK SPOT REPLACEMENT AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER



FINISHED TYPICAL SECTION BIG SKY DRIVE

STA 200+85 - 202+17



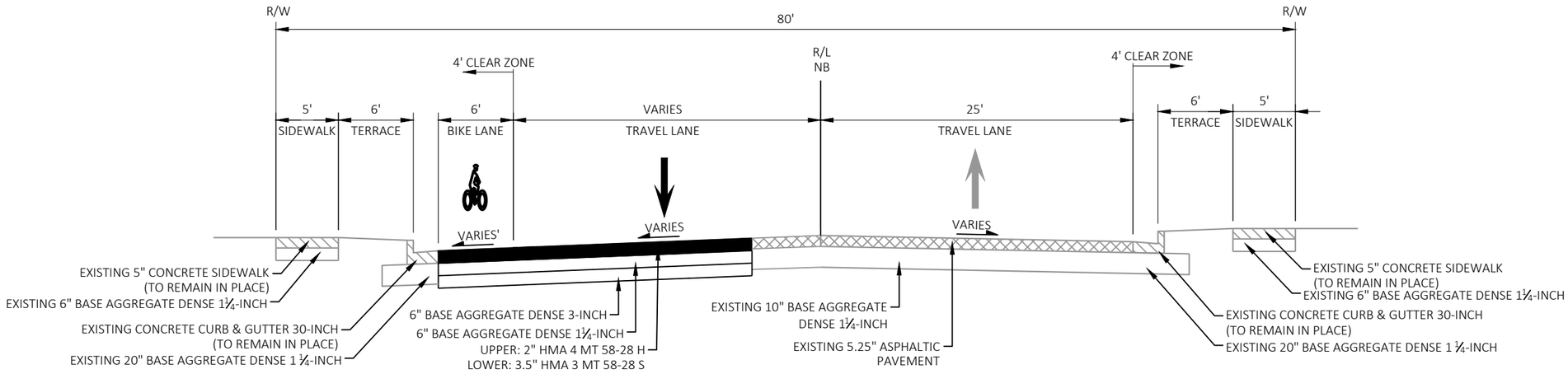
FINISHED TYPICAL SECTION SOUTH HIGH POINT ROAD

STA 301+72 - 303+69

NOTES

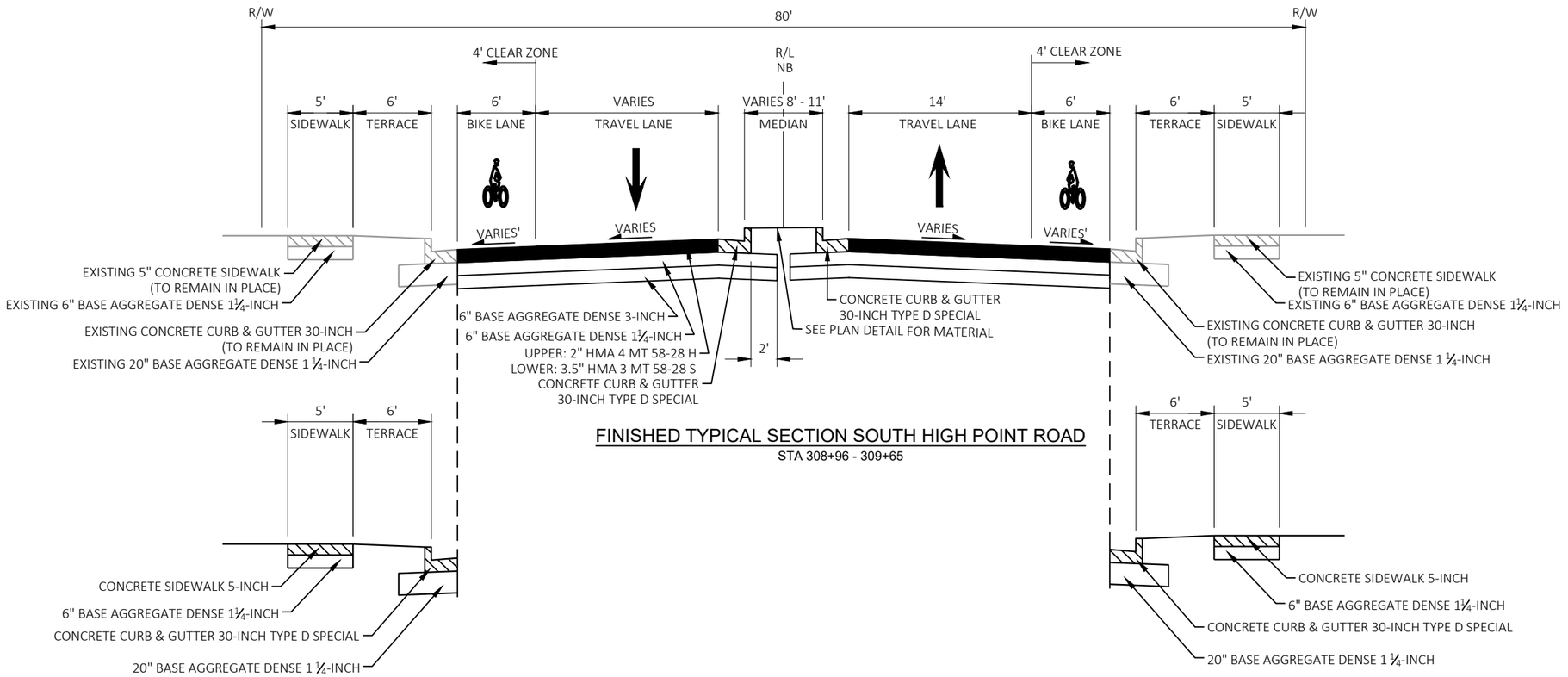
1. PERFORM CURB & GUTTER SPOT REPLACEMENT AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER
2. ADD TOPSOIL AND SOD WHERE THE TERRACE IS DISTURBED AND/OR AS DIRECTED BY THE ENGINEER
3. PERFORM 5" CONCRETE SIDEWALK SPOT REPLACEMENT AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E



FINISHED TYPICAL SECTION SOUTH HIGH POINT ROAD

STA 304+97 - 308+96



FINISHED TYPICAL SECTION SOUTH HIGH POINT ROAD

STA 308+96 - 309+65

FINISHED TYPICAL SECTION SOUTH HIGH POINT ROAD

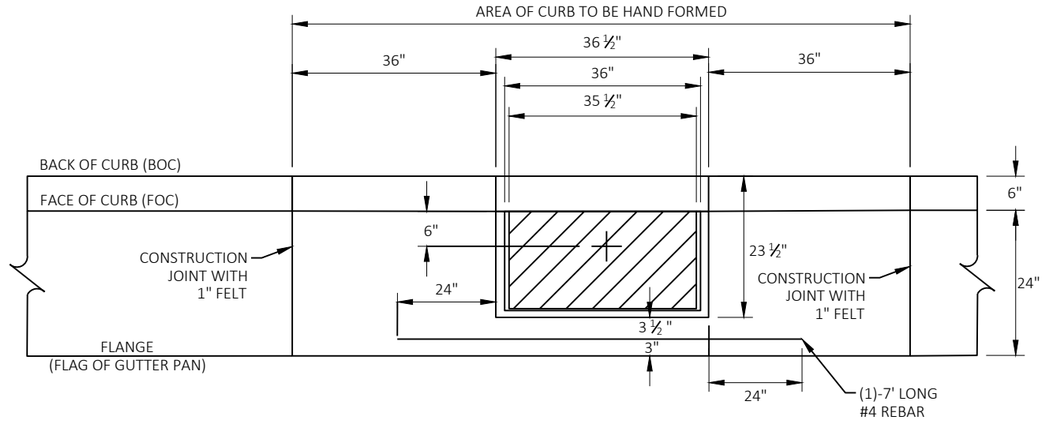
STA 308+96.64 - 309+65.06

FINISHED TYPICAL SECTION SOUTH HIGH POINT ROAD

STA 309+28.32 - 309+77.44

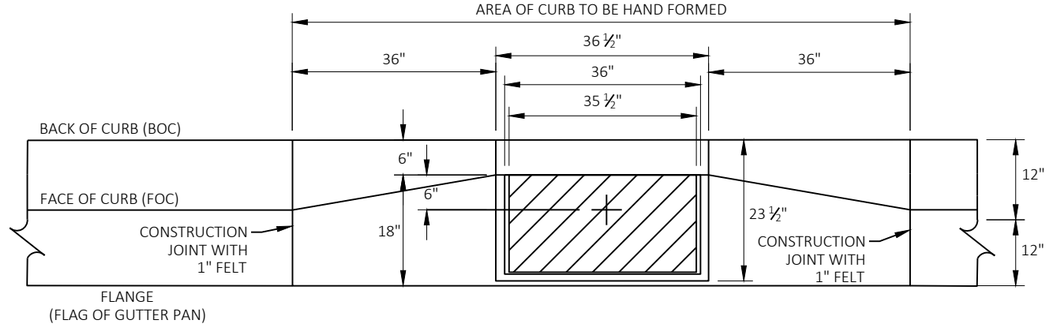
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E

2



CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL
PLAN VIEW

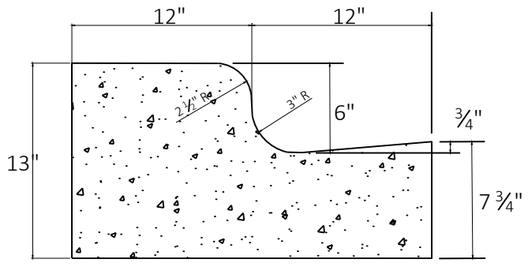
= CENTER OF STRUCTURE (STATION AND OFFSET AS INDICATED ON THE STORM SEWER PLANS)



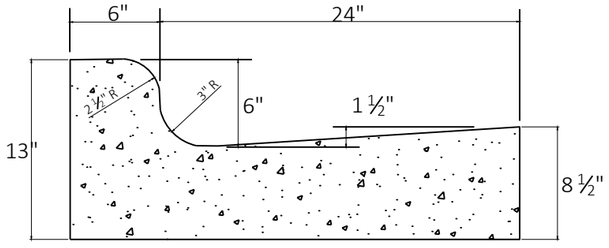
CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL
PLAN VIEW

INLET LOCATIONS IN VARIOUS TYPES OF CURB DETAIL

NOTE:
CASTING FLANGE (NOT SHOWN) PROTRUDES APPROXIMATELY 3.63" INTO THE PAVEMENT, SEE S.D.D. FOR INLET FRAME DETAILS



CONCRETE CURB AND GUTTER 24-INCH TYPE A SPECIAL



CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL

NOTES:
TIE BARS ARE REQUIRED FOR CURB & GUTTER TYPE A.

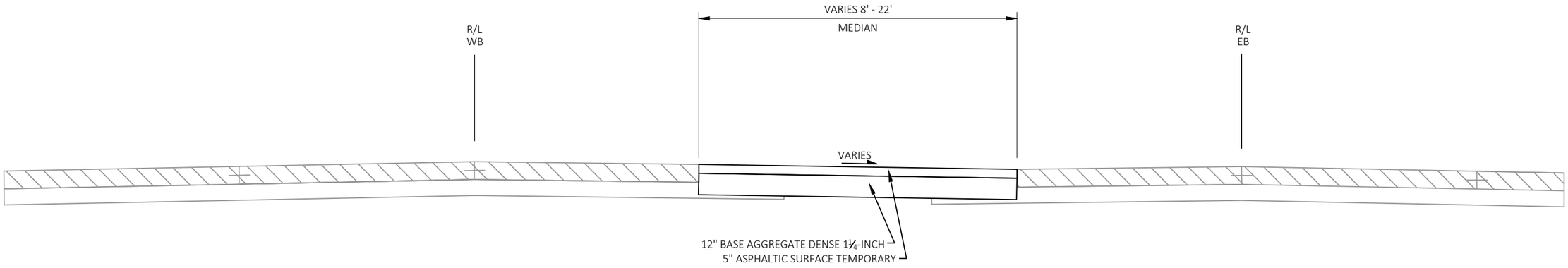
TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLANS.

LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 2" THICK.
IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.

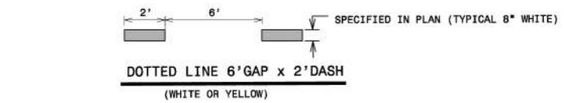
CONCRETE CURB AND GUTTER TO BE HAND FORMED (HF) AROUND EXISTING TERRACE TREES TO REMAIN. SEE PAVING DETAILS FOR LOCATIONS.



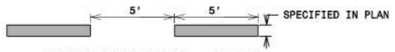
ASPHALTIC SURFACE TEMPORARY DETAIL
(SEE TRAFFIC CONTROL DETAILS FOR LOCATIONS)

2

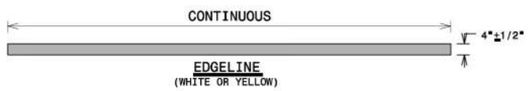
PERMANENT PAVEMENT MARKINGS



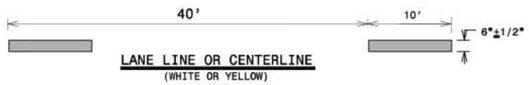
DOTTED LINE 6'GAP x 2'DASH
(WHITE OR YELLOW)



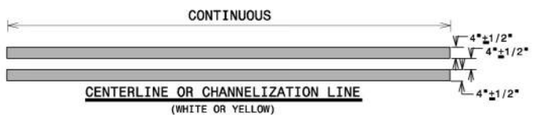
DOTTED LINE 5'GAP x 5'DASH
(WHITE OR YELLOW)



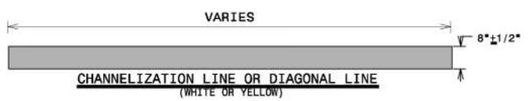
EDGELINE
(WHITE OR YELLOW)



LANE LINE OR CENTERLINE
(WHITE OR YELLOW)

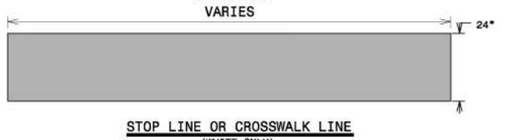


CENTERLINE OR CHANNELIZATION LINE
(WHITE OR YELLOW)

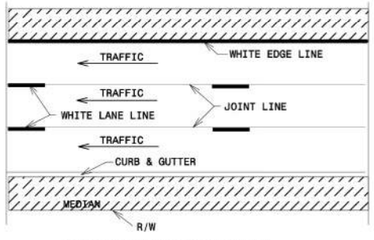


CHANNELIZATION LINE OR DIAGONAL LINE
(WHITE OR YELLOW)

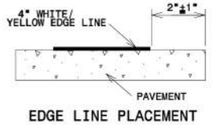
CROSSWALK LINE
(WHITE ONLY)



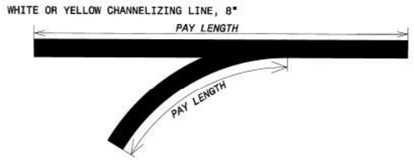
STOP LINE OR CROSSWALK LINE
(WHITE ONLY)



MARKING PLACEMENT DETAIL



EDGE LINE PLACEMENT



GENERAL NOTES FOR
EPOXY PAVEMENT MARKINGS

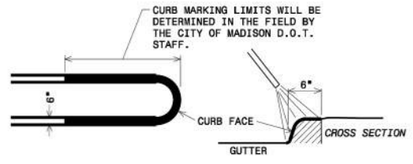
THE CONTRACTOR SHALL APPLY ALL MARKINGS IN ACCORDANCE WITH THE STATE OF WISCONSIN MANUAL ON TRAFFIC CONTROL DEVICES.

AT STREET INTERSECTIONS, MARKINGS START OR END AT THE MARKED CROSSWALK. THE PROPERTY LINE EXTENDED, IF THERE IS NO MARKED CROSSWALK.

CROSSWALKS AND STOP BARS WILL BE PLACED NO CLOSER THAN 2' TO THE FACE OF CURB.

THE CONTRACTOR SHALL ADHERE TO THE TRAFFIC SPECIFICATION IN THE SPECIAL PROVISIONS AT ALL TIMES.

FOR MORE INFORMATION AND FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS ARE AVAILABLE AT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY 1120 SAYLE ST. (608) 266-4767



CURB & ISLAND MARKING DETAILS

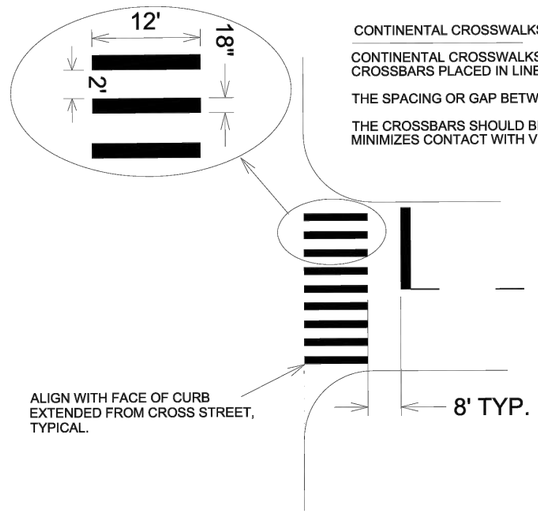
2009

CITY OF MADISON
ENGINEERING DIVISION

PAVEMENT MARKING DETAILS PAGE 1

STANDARD DETAIL DRAWING # 6.37

2



CONTINENTAL CROSSWALKS

CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.

THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES

THE CROSSBARS SHOULD BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

CONTINENTAL X-WALK &
STOP LINES DETAIL

2024

CITY OF MADISON
ENGINEERING DIVISION

PAVEMENT MARKING DETAILS PAGE 2

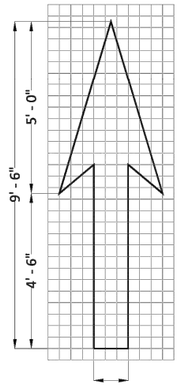
STANDARD DETAIL DRAWING # 6.38

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 13	E

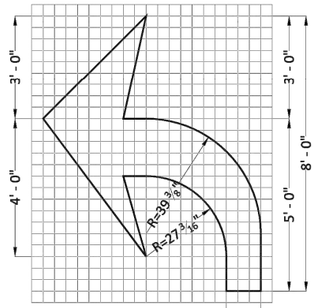
FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\021001-CD.DWG
LAYOUT NAME - 021006-cd
PLOT DATE : 9/24/2026 12:28 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

RESTRICTED TRAFFIC LANE MARKING DETAILS

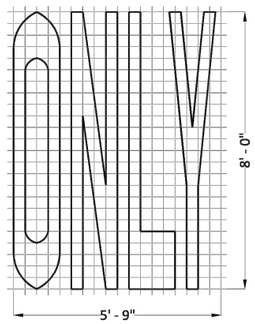


TYPE 1



TYPE 2

RIGHT ARROW DIMENSIONS
SAME AS SHOWN ON LEFT ARROW



FULL SIZE PATTERNS FOR ARROWS &
WORD LEGENDS ARE AVAILABLE AT:
CITY OF MADISON TRAFFIC ENGINEERING
FIELD OPERATIONS FACILITY
1120 SAYLE ST. (608)266-4767

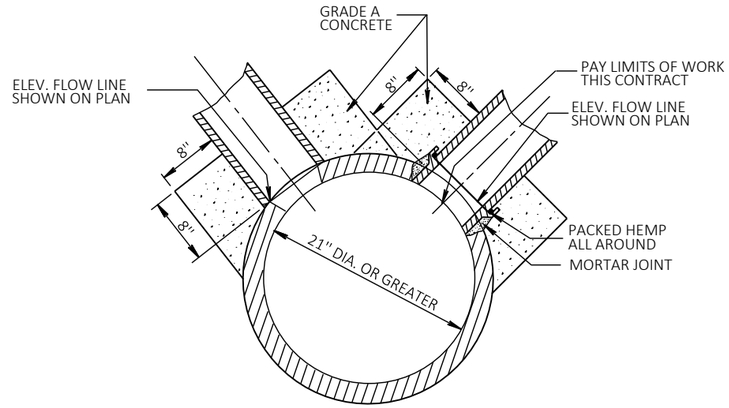
2024

CITY OF MADISON
ENGINEERING DIVISION

PAVEMENT MARKING DETAILS PAGE 3

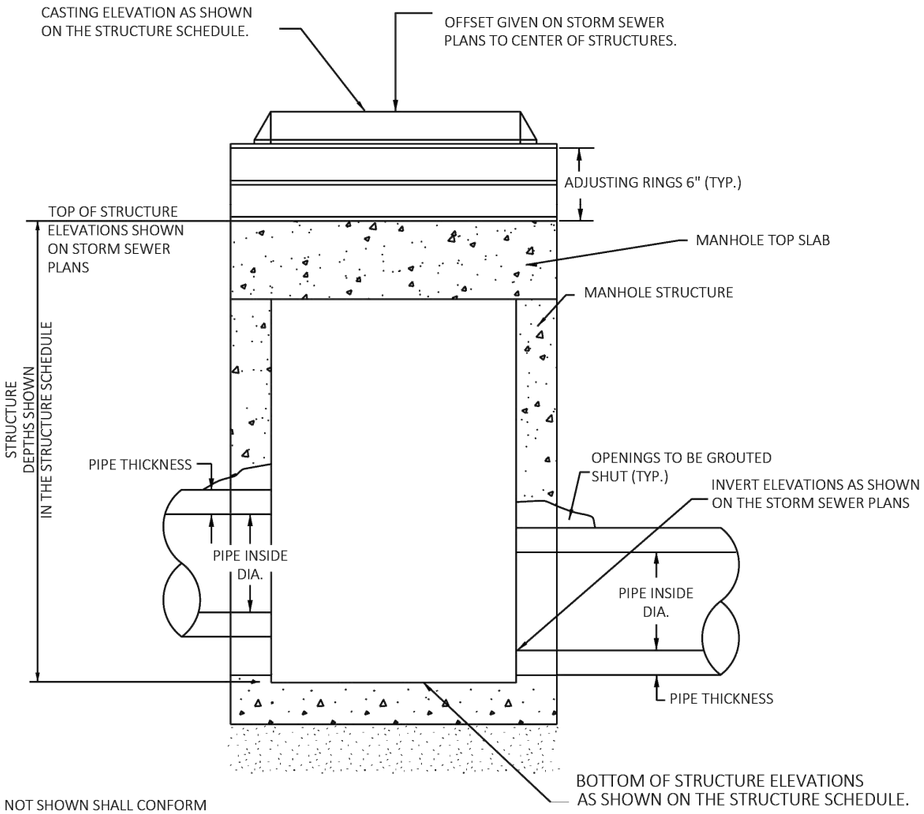
STANDARD DETAIL DRAWING # 6.39

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 14	E



DETAIL OF CONNECTION TO STORM SEWER

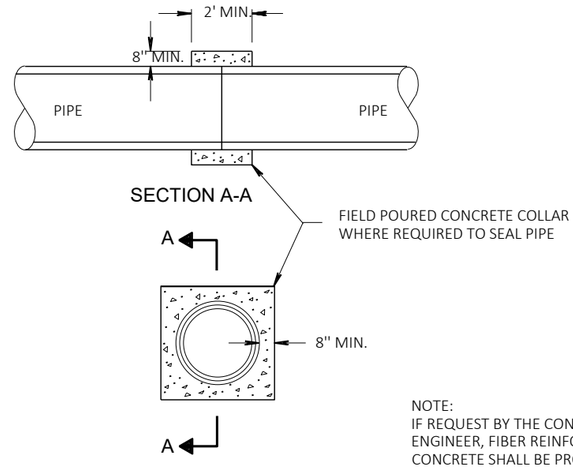
NOTE: CONTRACT UNIT PRICE FOR PIPE SHALL INCLUDE COST OF CONNECTION TO EXISTING STORM SEWER OR M.H.



NOTE:

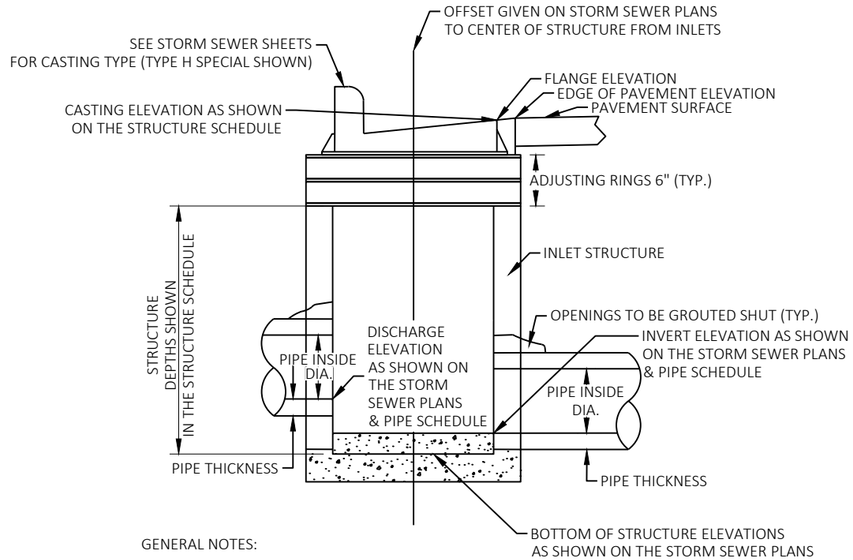
DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR INLETS AND MANHOLES.

MANHOLE WITH COVER DETAIL



NOTE:
IF REQUEST BY THE CONSTRUCTION ENGINEER, FIBER REINFORCED CONCRETE SHALL BE PROVIDED.

CONCRETE COLLAR DETAIL

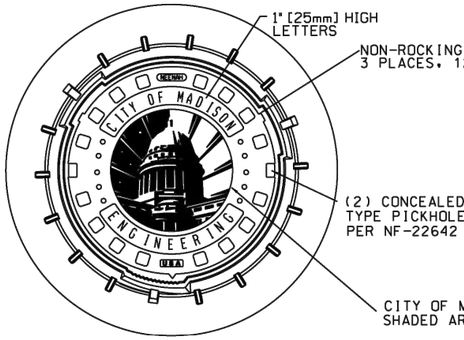


GENERAL NOTES:

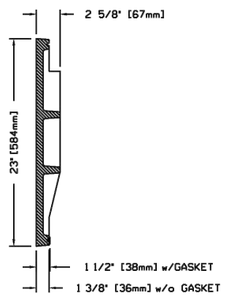
GRANULAR BACKFILL REQUIRED AROUND INLET (INCIDENTAL TO CONSTRUCTION OF INLET)

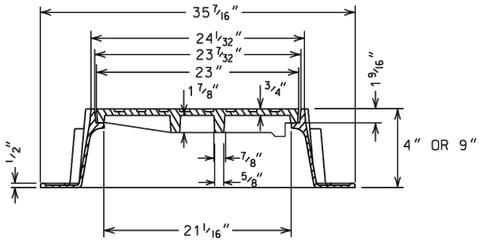
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATION, APPLICABLE SPECIAL PROVISIONS, AND WISDOT S.D.D. FOR INLETS.

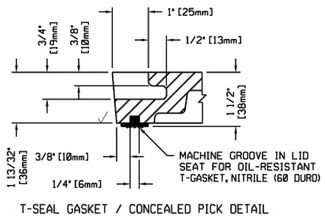
DETAIL OF INLET W/CASTING



LOGO DETAIL







T-SEAL GASKET / CONCEALED PICK DETAIL

NOTES:

APPROXIMATE TOTAL WEIGHTS:
R-1550 R-1050 FRAME w/ LOGO LID 1550-0054, 9" FRAME AND LID = 240 LBS.
R-1689 FRAME w/ LOGO LID 1550-0054, 4" FRAME AND LID = 279 LBS.

IF LOCKABLE LID IS NECESSARY, R-1916 C, 83/4" FRAME AND LID = 300 LBS
THERE IS NO CITY OF MADISON LOGO LID AVAILABLE FOR THIS FRAME AND CASTING.

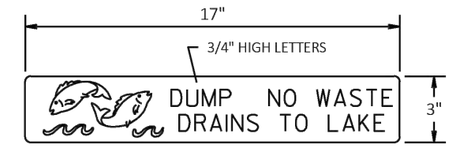
THE FOLLOWING NEENAH FOUNDRY CASTINGS (OR EQUAL CASTINGS) SHALL BE ACCEPTABLE:

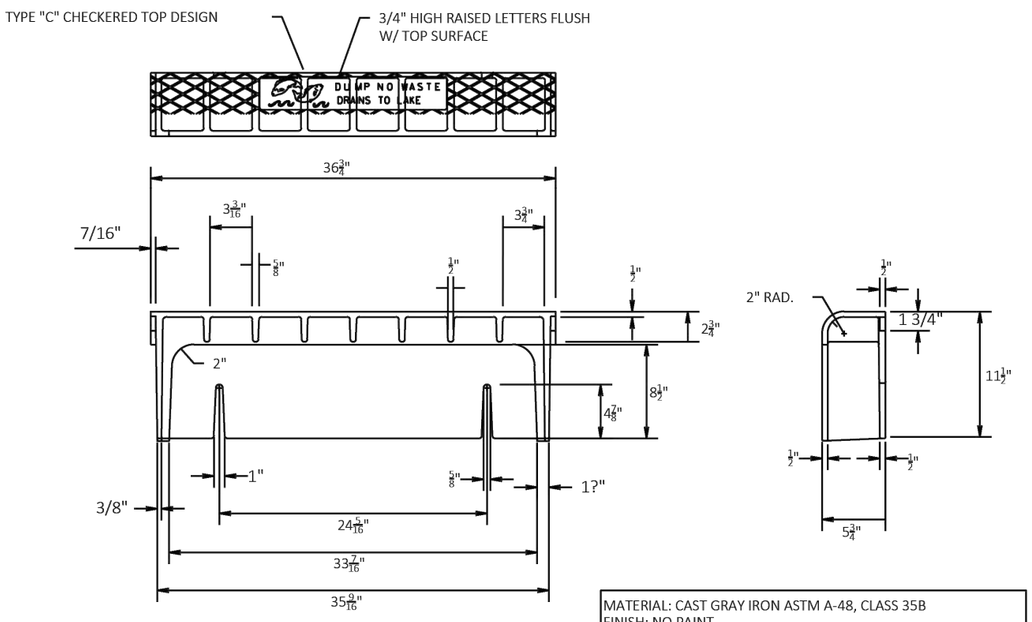
1. R-1050, 9" NON-ROCKING ACCESS STRUCTURE FRAME.
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME (WHEN REQUESTED BY THE CITY CONSTRUCTION ENGINEER).
3. R-1916 C LOGO WITH A LOCKING CASTING AS WELL AS A LOCKING FRAME. THIS CASTING SHALL BE USED IN GREENWAYS AND EASEMENTS (SEE SDD 5.7.16a)

1. FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.
2. ALL LIDS SHALL BE SELF-SEALING EXCEPT FOR STORM SEWER.
3. ALL LIDS SHALL HAVE CITY OF MADISON LOGO AS SHOWN IN DETAIL (R-1050-0054 OR EQUIV.)

LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC]
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 40A

MANHOLE COVER TYPE J SPECIAL

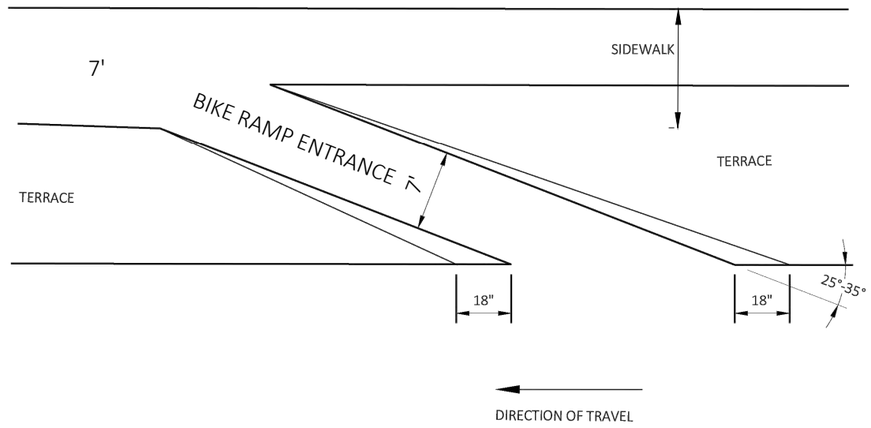




MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHTl 126#

INLET COVER TYPE H SPECIAL & TYPE H-S SPECIAL DETAIL

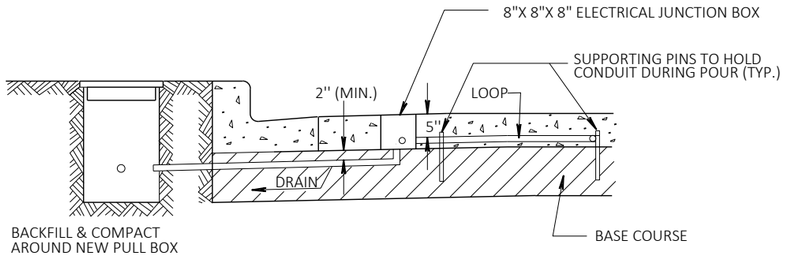
2



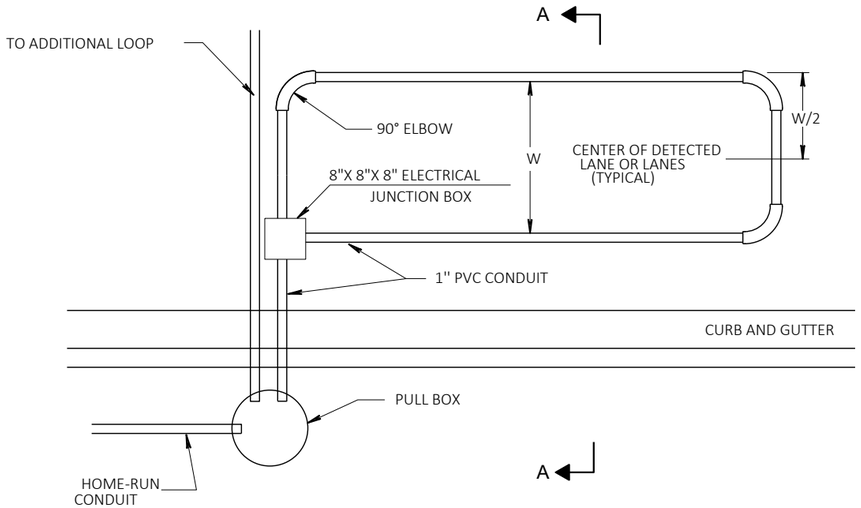
BIKE RAMP ENTRANCE

(TO BE MEASURED AND PAID FOR AS CONCRETE SIDEWALK 5-INCH)

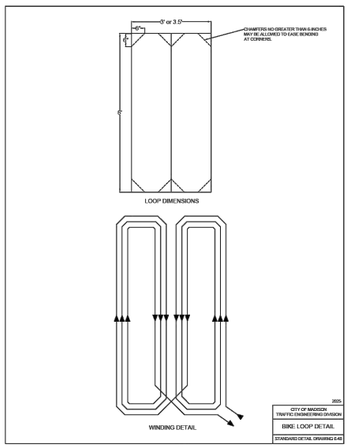
2

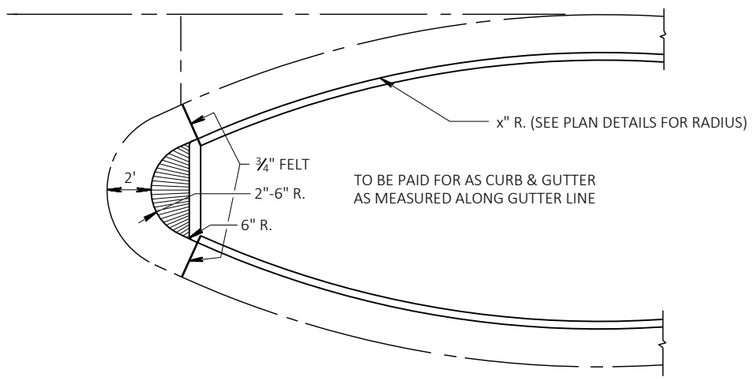


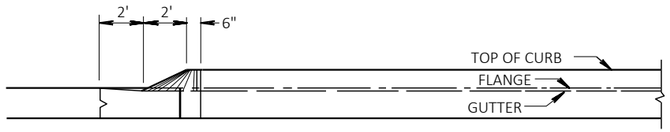
SECTION A-A



TYPICAL PLAN FOR DETECTOR LOOP
INSTALLED PRIOR TO PAVING P.C.C.

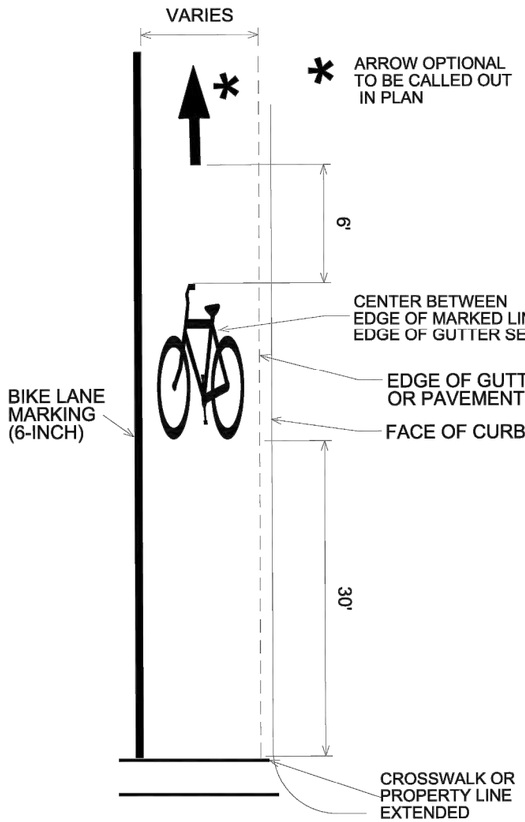




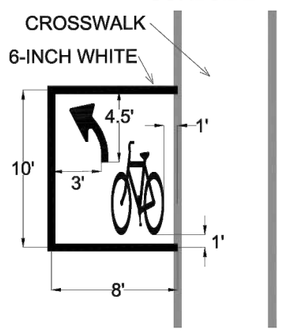


DETAIL OF ISLAND NOSE
(TO BE USED FOR ALL ISLAND NOSE RADII)

BIKE LANE MARKING DETAILS

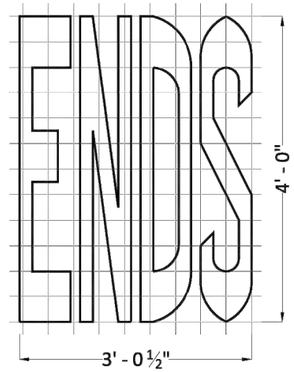


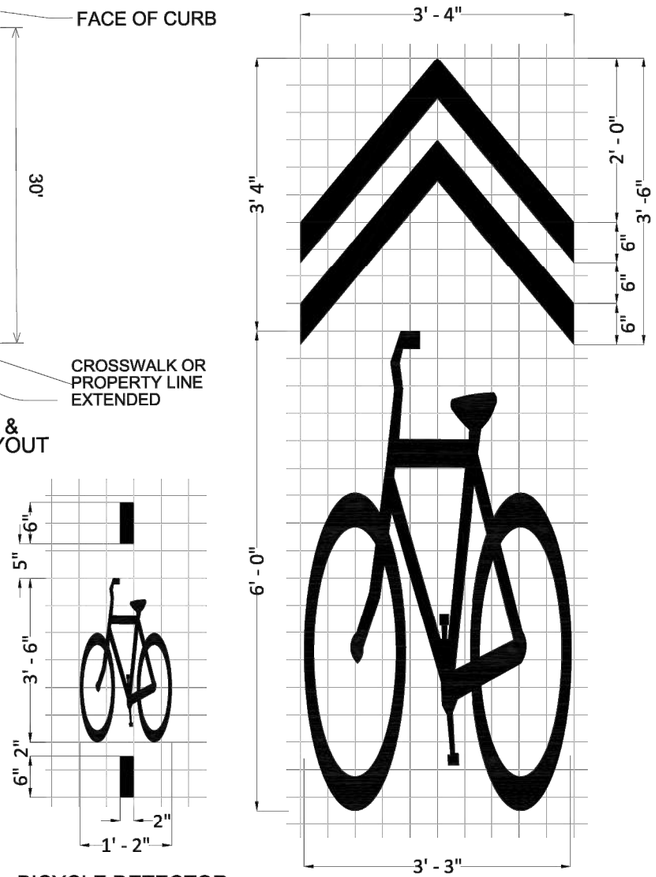
BIKE LANE SYMBOL & OPTIONAL ARROW LAYOUT
--CURBSIDE--



BICYCLE BOX
(LEFT TURN)

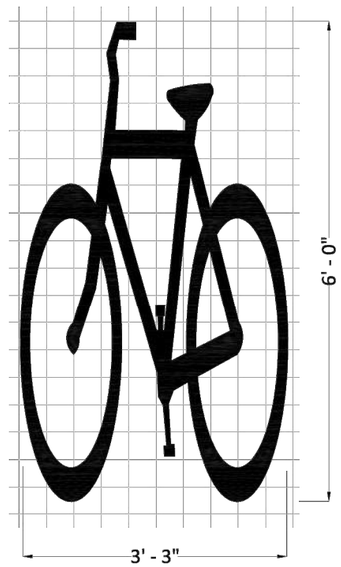
FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS ARE AVAILABLE AT:
CITY OF MADISON TRAFFIC ENGINEERING
FIELD OPERATIONS FACILITY
1120 SAYLE ST. (608)266-4767



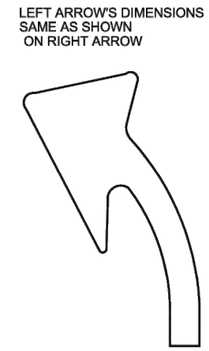


BICYCLE DETECTOR PAVEMENT MARKING

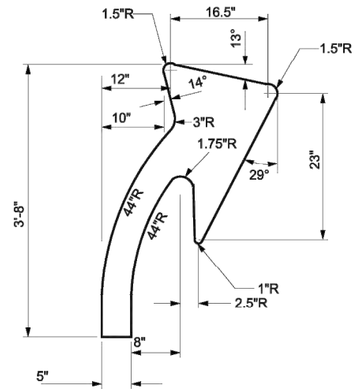
BIKE LANE SYMBOL FOR SHARED LANE



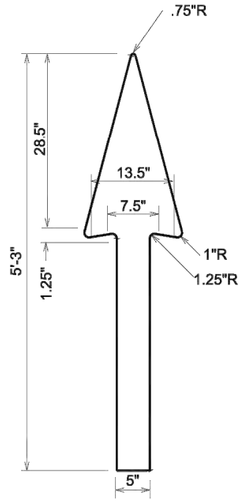
BIKE LANE SYMBOL



LEFT ARROW



RIGHT ARROW



STRAIGHT ARROW

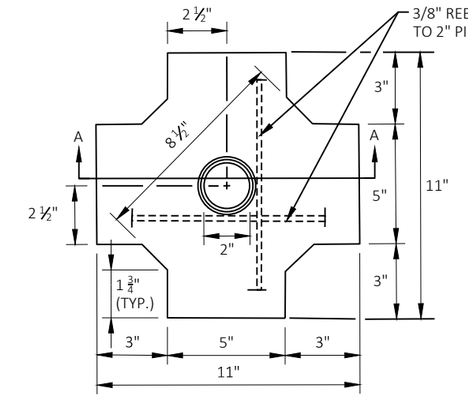
2025

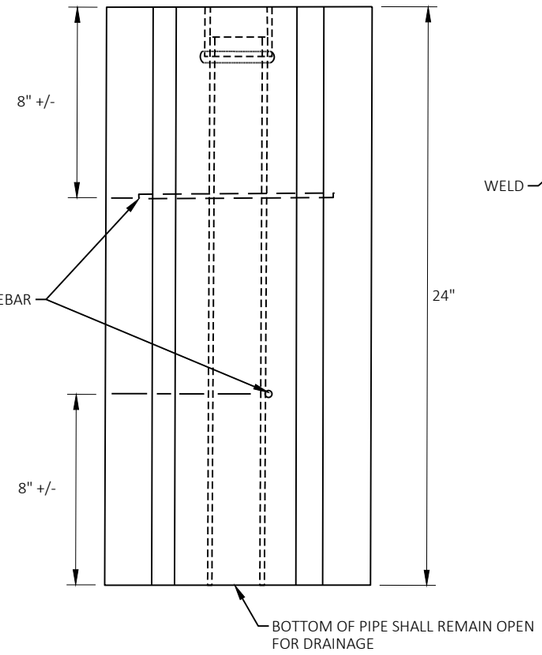
CITY OF MADISON
ENGINEERING DIVISION

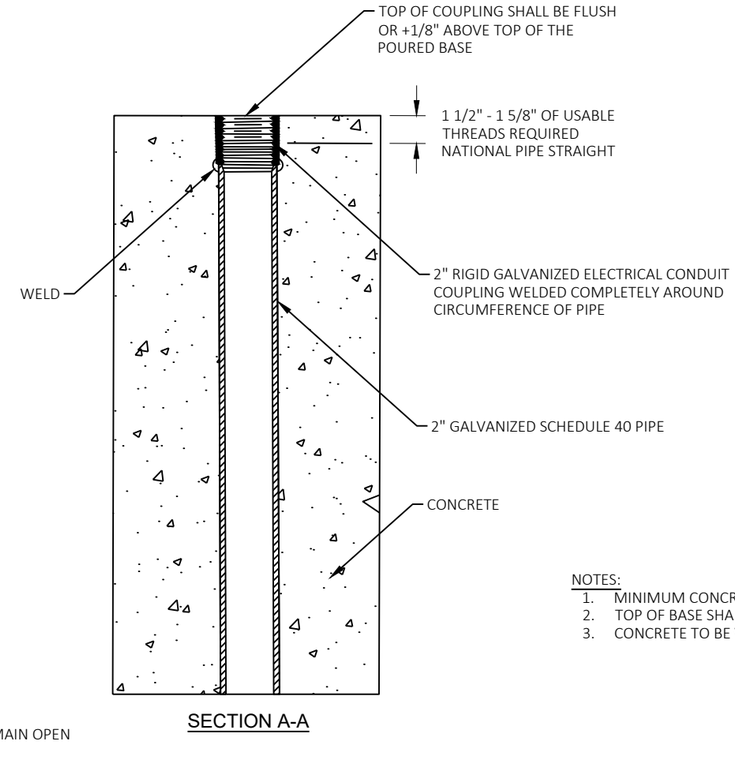
PAVEMENT MARKING DETAILS PAGE 4

STANDARD DETAIL DRAWING # 6.40

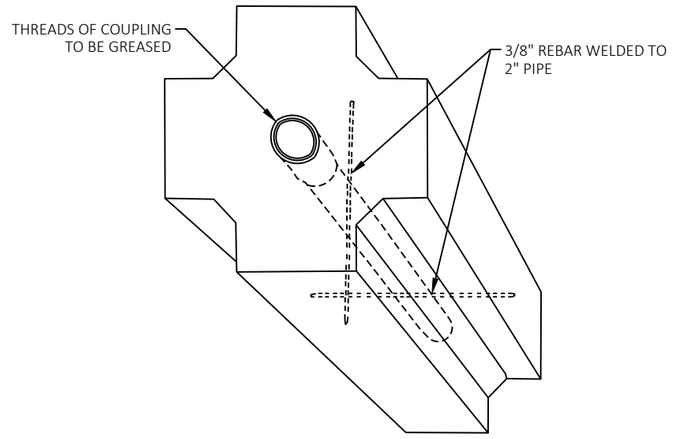
2







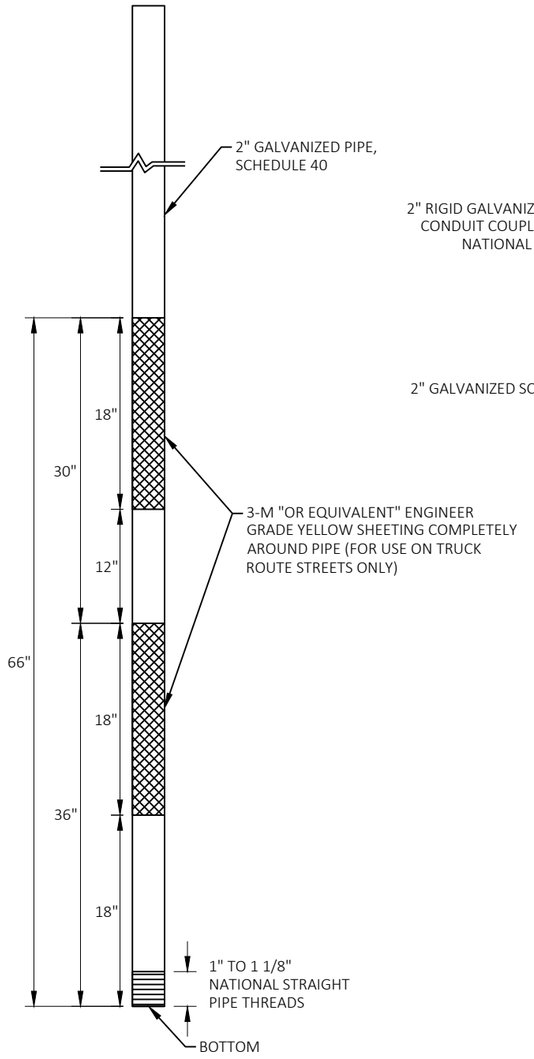
SECTION A-A



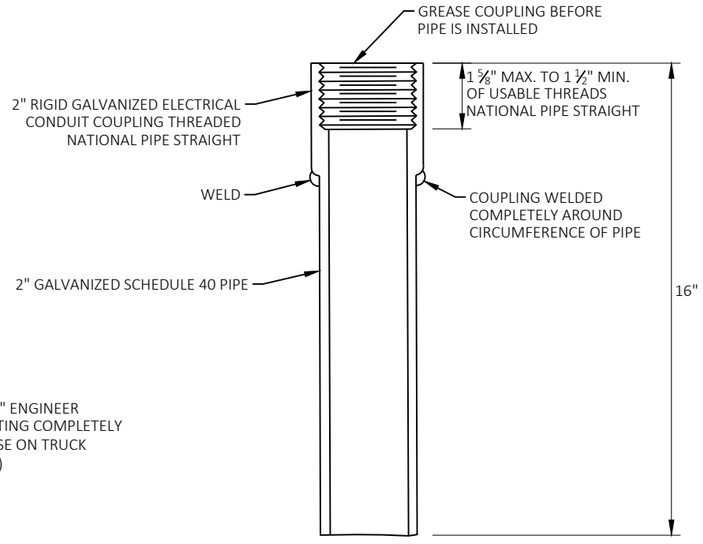
NOTES:
1. MINIMUM CONCRETE STRENGTH TO BE 3200 PSI IN 28 DAYS.
2. TOP OF BASE SHALL HAVE SMOOTH FINISH.
3. CONCRETE TO BE VIBRATED IN FORM TO REMOVE AIR POCKETS.

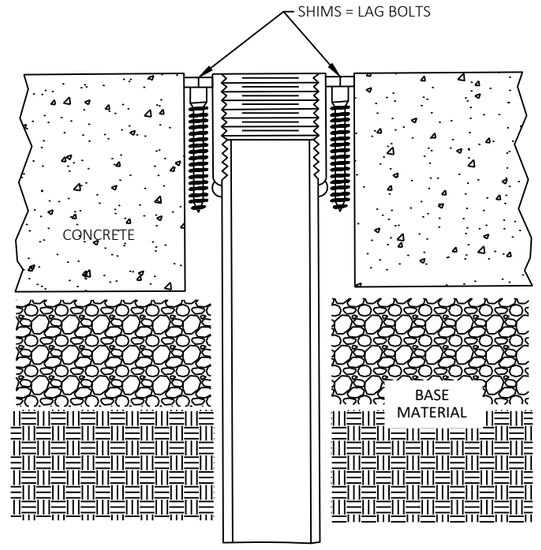
PRECAST CONCRETE SIGN BASE

2



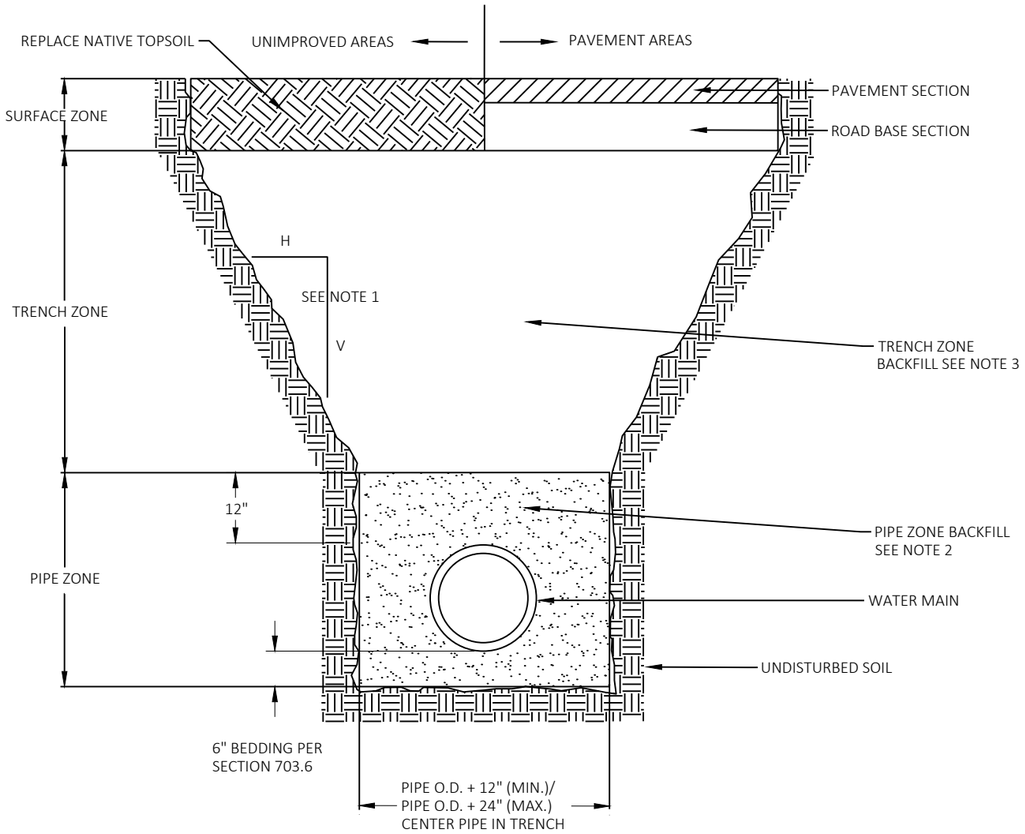
SIGN POST AND REFLECTIVE SIGN POST DETAIL





NOTES:
DRILL OR COREDRILL 3 1/8" HOLE ALL THE WAY THROUGH THE CONCRETE TO THE BASE MATERIAL. TEMPORARILY HAND-TIGHTEN A THREADED PIPE ABOUT 4 FEET LONG INTO THE INSERT (SEE INSERT DETAIL). DRIVE THE INSERT INTO THE BASE MATERIAL AT A LEVEL/PLUMB POSITION UNTIL THE INSERT IS FLUSH WITH THE TOP OF THE CONCRETE. SHIM INSERT TO A LEVEL/PLUMB POSITION USING VARIOUS SIZES OF LAG BOLTS. REMOVE TEMPORARY PIPE, INSTALL PERMANENT PIPE. USE LARGE PIPE WRENCH TO TIGHTEN UNTIL INSERT TURNS, THEN RESET SHIMS/OR ADD SHIMS UNTIL PIPE NO LONGER TURNS. RE-TIGHTEN PIPE, RECHECK LEVEL/PLUMB/TOP OF CONCRETE WITH INSERT. MIX UP A BATCH OF WATERPROOF ANCHORING CEMENT FOR CONCRETE THAT HAS A COMPRESSIVE STRENGTH OF 8000 PSI AT 28 DAYS. THE ANCHORING CEMENT SHALL BE MIXED UP TO A LIQUID CONSISTENCY, NOT A PASTE. POUR THE ANCHORING CEMENT BETWEEN THE CONCRETE AND OUTSIDE OF THE PIPE, UNTIL FLUSH WITH THE TOP OF THE INSERT. QUICKLY RECHECK INSERT FOR LEVEL/PLUMB/TOP OF CONCRETE SINCE THE ANCHORING CEMENT IS FAST- SETTING. ADD MORE ANCHORING CEMENT AS IT SETTLES. INSTALLATION SHALL BE LEVEL/PLUMB, SOLID AND STRONG WHEN COMPLETED.

SIGN POST FOR CONCRETE INSTALLATION DETAIL



NOTES:

1. ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE WISCONSIN ADMINISTRATIVE CODE FOR "TRENCH EXCAVATION AND TUNNEL CONSTRUCTION" AND ANY ADDITIONAL REQUIREMENTS INCLUDING IN THE CONTRACT DOCUMENTS.

2. BACKFILL OPERATIONS SHALL COMPLY WITH SECTIONS 703.6 and 202.(B) OF THE STANDARD SPECIFICATIONS.

3. THE PIPE ZONE BEDDING MATERIAL SHALL CONSIST OF SELECT FILL SAND, LIMESTONE SCREENINGS, CLEAR STONE, OR WASHED GRAVEL.

4. SEE SECTION 703.6.1 FOR BACKFILL/COMPACTION REQUIREMENTS OF BEDDING/COVER MATERIAL IN THE PIPE ZONE.

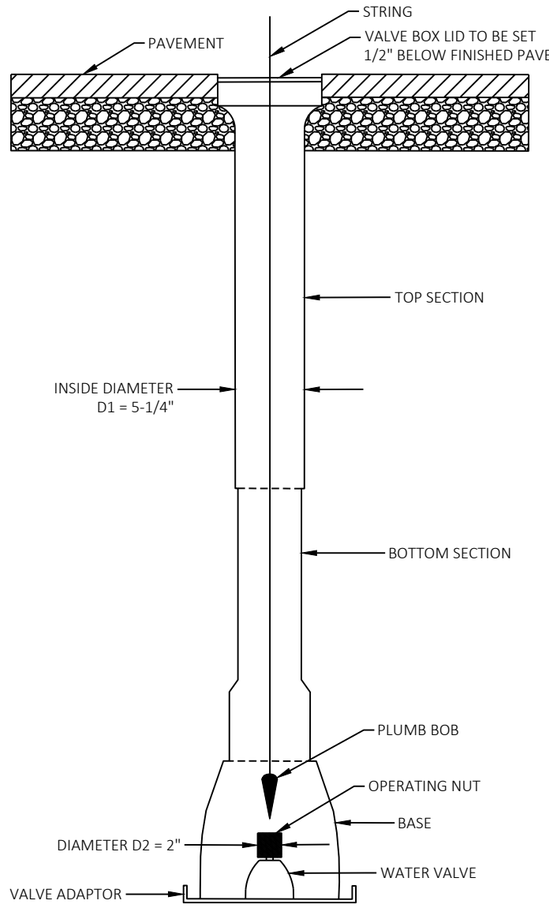
5. TRENCH ZONE COMPACTION REQUIREMENTS:

-- ALL COMPACTION OPERATIONS SHALL COMPLY WITH SECTION 703.6.3

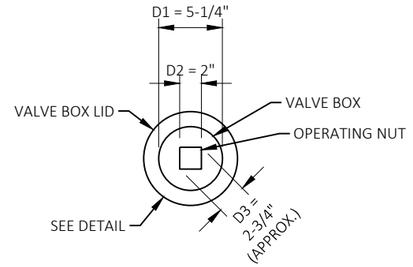
-- DENSITY REQUIREMENTS:

1. FROM 2-FEET OVER THE PIPE TO WITHIN 3-FEET OF THE SUBGRADE:
   A MINIMUM OF 90% OF MAXIMUM DENSITY.
2. WITHIN 3-FEET OF THE BOTTOM OF SUBGRADE:
   A MINIMUM OF 95% MAXIMUM DENSITY.

TYPICAL WATER PIPE TRENCH DETAIL



SECTION



CROSS SECTION

WATER VALVE BOX ALIGNMENT DETAIL

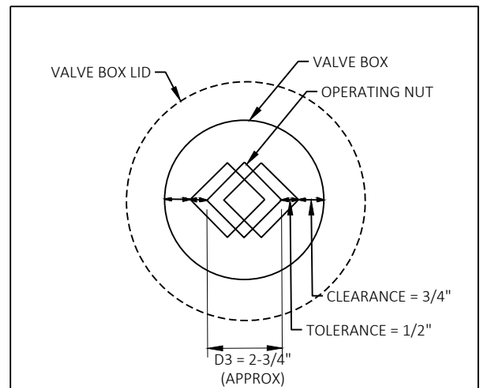
NOTES:

1. VALVE BOX SHALL BE LOCATED PLUMB AND CENTERED WITH RESPECT TO THE VALVE OPERATING NUT.

2. ALLOWABLE TOLERANCE SHALL BE 1/2"

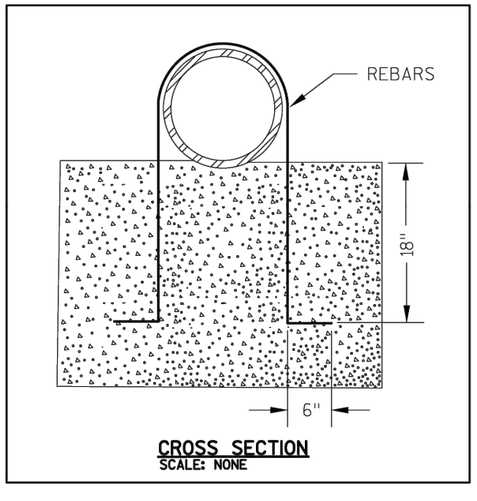
3. PLUMBNESS AND ALIGNMENT SHALL BE VERIFIED WITH A PLUMB BOB, LOCATING THE VALVE NUT WITHIN THE ALLOWABLE TOLERANCE, AND CONFIRMING THAT THE VALVE IS OPERATIONAL WITHOUT THE VALVE KEY TOUCHING THE INSIDE EDGE OF THE VALVE BOX.

4. FOR STREETS WITH SLOPE GREATER THAN 3% THAT DOES NOT ALLOW EASY PLUMBNESS VERIFICATION, THE VALVE BOX STRAIGHTNESS SHALL BE VISUALLY ASSESSED VERIFYING ITS RELATIVE CENTERED POSITION, CONFIRMING THAT THE VALVE IS OPERATIONAL WITHOUT THE VALVE KEY TOUCHING THE INSIDE EDGE OF THE VALVE BOX AND RESTRICTING ITS USE.

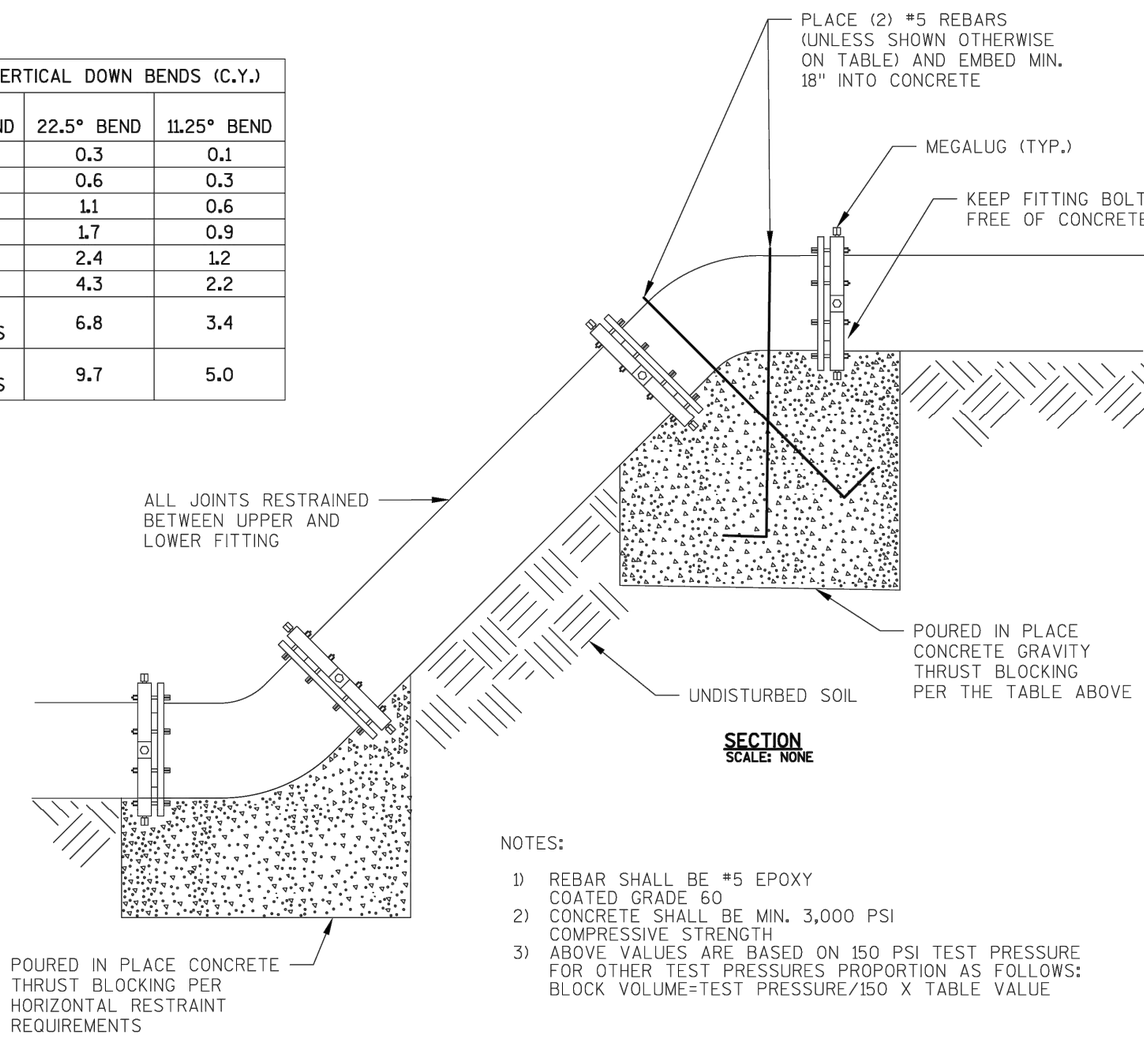


DETAIL

VOLUME REQUIREMENTS FOR VERTICAL DOWN BENDS (C.Y.)				
FITTING SIZE (IN)	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4	0.7	0.5	0.3	0.1
6	1.6	1.1	0.6	0.3
8	2.8	2.0	1.1	0.6
10	4.4	3.1	1.7	0.9
12	6.4	4.5	2.4	1.2
16	11.3	8.0	4.3	2.2
20	17.7 3 BARS	12.5 3 BARS	6.8	3.4
24	25.4 6 BARS	18.0 4 BARS	9.7	5.0



CROSS SECTION
SCALE: NONE

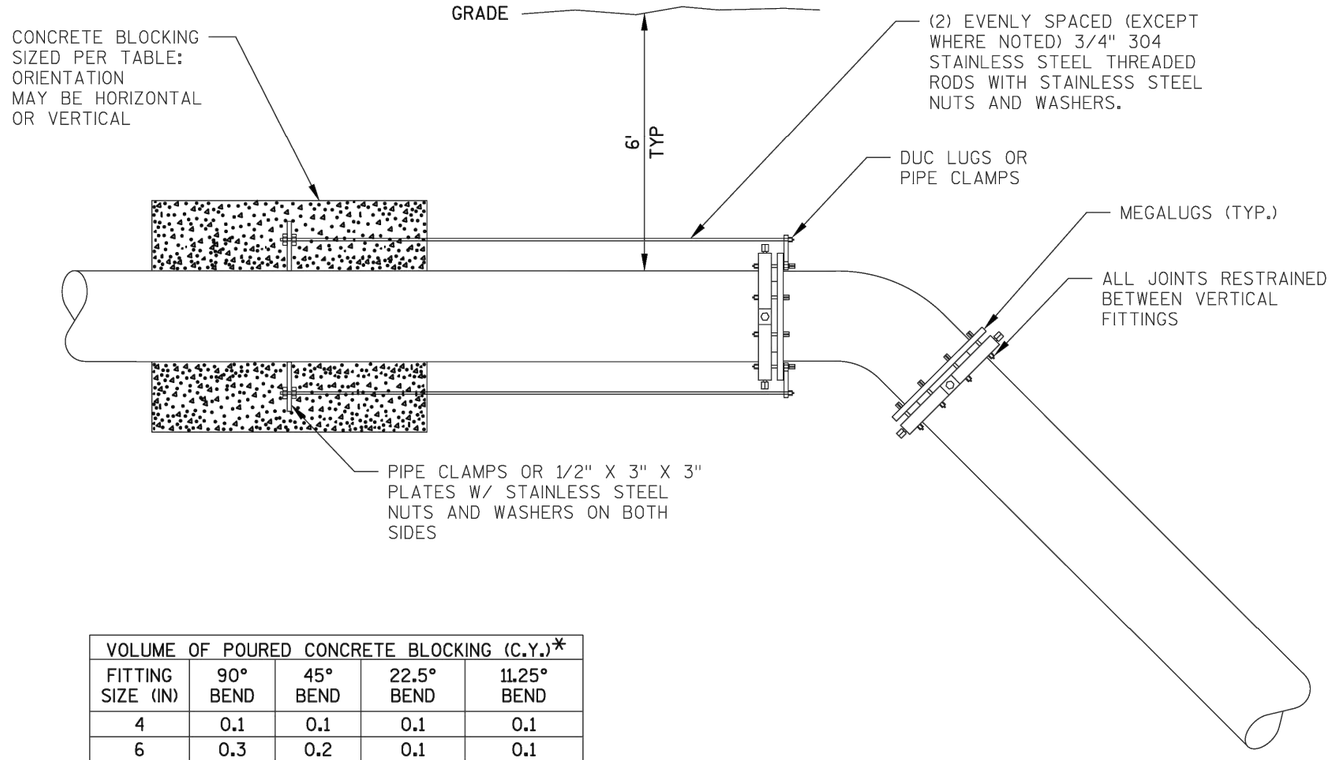


SECTION
SCALE: NONE

NOTES:

1) REBAR SHALL BE #5 EPOXY COATED GRADE 60
2) CONCRETE SHALL BE MIN. 3,000 PSI COMPRESSIVE STRENGTH
3) ABOVE VALUES ARE BASED ON 150 PSI TEST PRESSURE FOR OTHER TEST PRESSURES PROPORTION AS FOLLOWS: BLOCK VOLUME=TEST PRESSURE/150 X TABLE VALUE

STANDARD CONCRETE BLOCK THRUST RESTRAINT DETAIL
SCALE: NONE



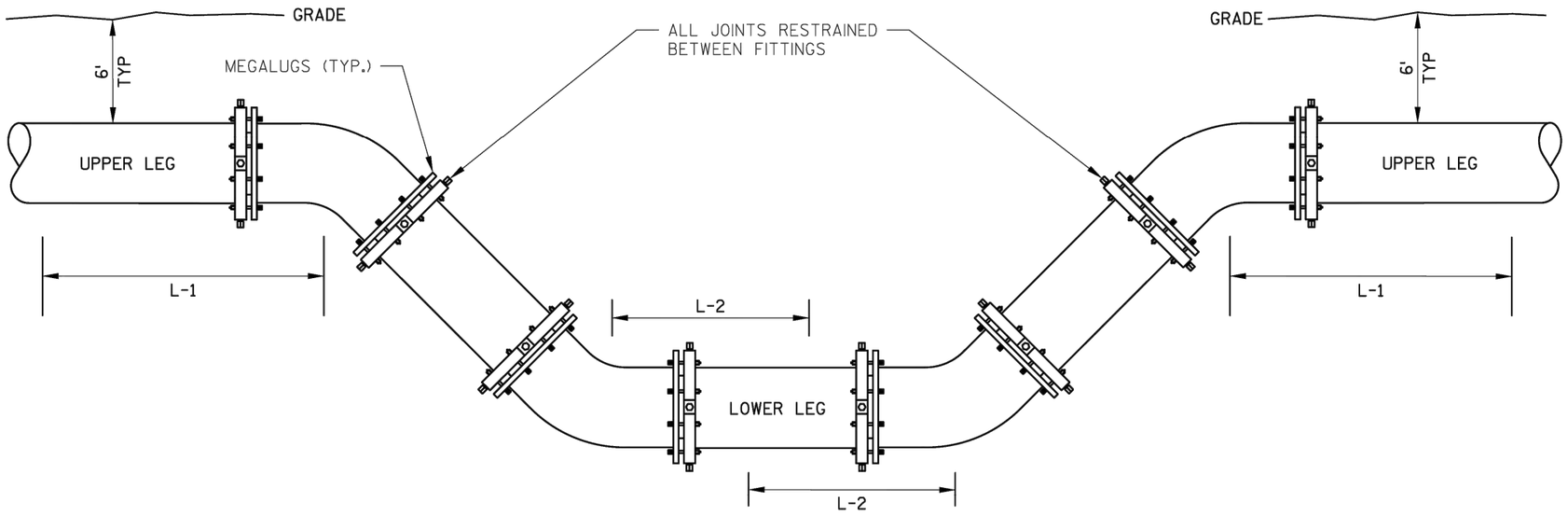
VOLUME OF POURED CONCRETE BLOCKING (C.Y.)*				
FITTING SIZE (IN)	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4	0.1	0.1	0.1	0.1
6	0.3	0.2	0.1	0.1
8	0.7	0.4	0.2	0.1
10	1.3	0.8	0.3	0.1
12	2.1	1.3	0.6	0.2
16	4.6	2.9	1.3	0.5
20	8.2 4 RODS	5.4 3 RODS	2.3	0.9
24	13.0 5 RODS	8.4 4 RODS	3.8	1.5

* CONCRETE SHALL BE A MIN. 3000 PSI COMPRESSIVE STRENGTH

NOTE:

THIS METHOD MAY ONLY BE USED WHERE SPECIFIED OR WITH ENGINEER'S APPROVAL

ROD & CONCRETE BLOCK THRUST RESTRAINT FOR VERTICAL BENDS DETAIL
SCALE: NONE



L - 1: RESTRAINED JOINT LENGTH
UPPER LEG OF VERTICAL BEND

L - 2: RESTRAINED JOINT LENGTH
LOWER LEG OF VERTICAL BEND

*NOTE - AS THE BEND ANGLE APPROACHES 90° (VERTICAL SWEEPS/OFFSETS), LATERAL MOVEMENT OF THE OUTER LEGS APPROACHES ZERO. FOR THIS CONDITION, RESTRAIN ALL PIPE BETWEEN THE FITTINGS AND RESTRAIN THE OUTER LEGS AS DEAD ENDS.

	45° BEND		22.5° BEND		11.25° BEND	
FITTING SIZE (IN)	L-1 (FT)	L-2 (FT)	L-1 (FT)	L-2 (FT)	L-1 (FT)	L-2 (FT)
4	13	3	6	2	3	1
6	18	4	9	2	5	1
8	24	5	12	3	6	2
10	28	6	14	3	7	2
12	34	7	16	4	8	2
16	43	10	21	5	11	3
20	53	12	26	6	13	3
24	62	13	30	7	15	4

NOTES:
SOURCE: Adapted from the EBAA Iron Restraint Length Calculator, Version 7.1.2
Materials = Poly Wrapped Ductile Iron Pipe
Soil Type = GM (Silty Gravels, Gravel-Sand-Silt Mixtures)
Test Pressure = 150 PSI

Safety Factor = 1.5
Trench Type = 4
Bury Depth = 6'
Low Side Depth = 8'

JOINT RESTRAINT LENGTHS FOR VERTICAL BENDS DETAIL
SCALE: NONE

NOTES:

1) CLEARANCE SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS, AS INDICATED ON THE CONSTRUCTION DRAWINGS, OR AS OTHERWISE AUTHORIZED BY THE ENGINEER.

2) MINIMUM ALLOWABLE CLEARANCE WHEN CROSSING BELOW SANITARY OR STORM SEWERS IS 18-IN.

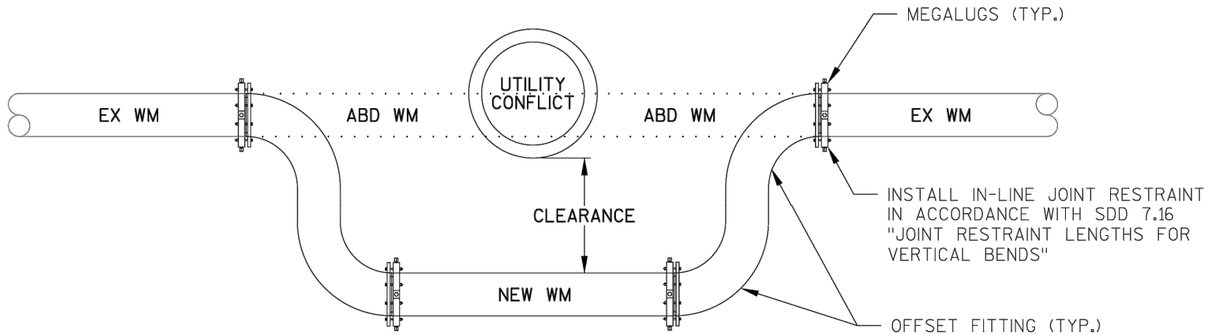
3) IF REQUIRED CLEARANCE CANNOT BE OBTAINED, USE 45° FITTINGS IN LIEU OF OFFSET FITTINGS.

4) 11.25°, 22.5°, OR 90° FITTINGS ARE NOT ALLOWED WITHOUT ENGINEER APPROVAL.

5) INSULATE AS REQUIRED PER THE STANDARD SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.

6) FITTINGS CONNECTED TO EXISTING WATER MAINS WITH CUT-IN CONNECTIONS PER THE STANDARD SPECIFICATIONS.

7) NEW PIPE SHALL HAVE NO JOINTS BETWEEN FITTINGS.



OFFSETTING EXISTING WATER MAIN UNDER UTILITY CONFLICTS
SCALE: NONE

NOTES:

1) CLEARANCE SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS, AS INDICATED ON THE CONSTRUCTION DRAWINGS, OR AS OTHERWISE AUTHORIZED BY THE ENGINEER.

2) MINIMUM ALLOWABLE CLEARANCE WHEN CROSSING ABOVE SANITARY OR STORM SEWERS IS 6-IN.

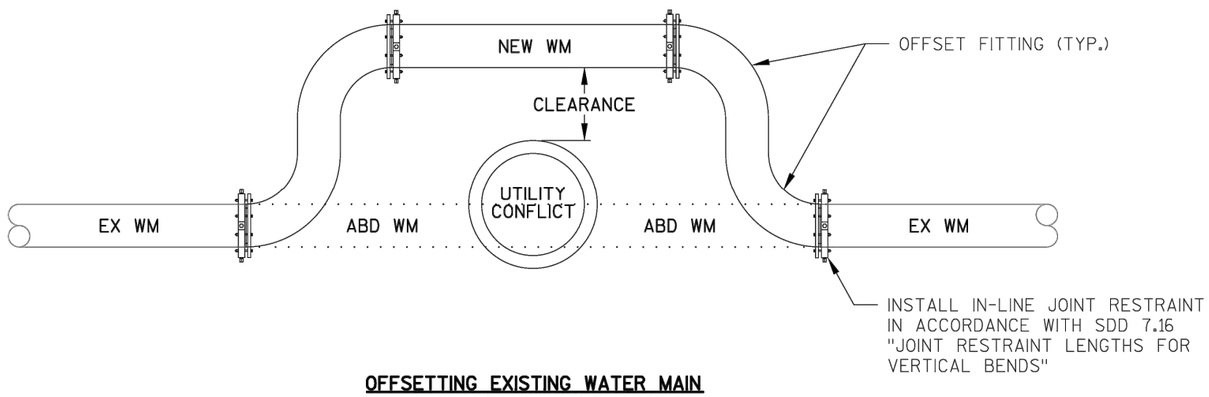
3) IF REQUIRED CLEARANCE CANNOT BE OBTAINED, USE 45° FITTINGS IN LIEU OF OFFSET FITTINGS.

4) 11.25°, 22.5°, OR 90° FITTINGS ARE NOT ALLOWED WITHOUT ENGINEER APPROVAL.

5) INSULATE AS REQUIRED PER THE STANDARD SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.

6) FITTINGS CONNECTED TO EXISTING WATER MAINS WITH CUT-IN CONNECTIONS PER THE STANDARD SPECIFICATIONS.

7) NEW PIPE SHALL HAVE NO JOINTS BETWEEN FITTINGS.

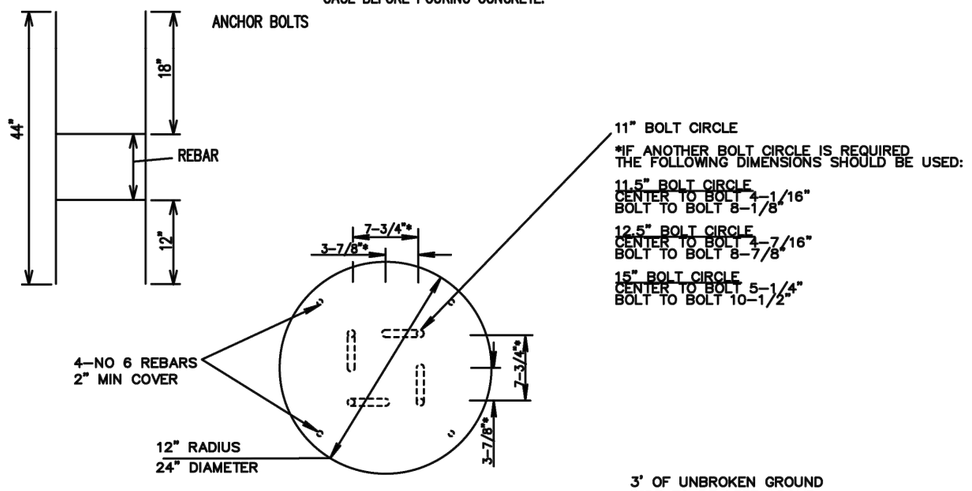


OFFSETTING EXISTING WATER MAIN OVER UTILITY CONFLICTS
SCALE: NONE

OFFSETTING EXISTING WATER MAIN OVER/UNDER UTILITY CONFLICTS DETAIL
SCALE: NONE

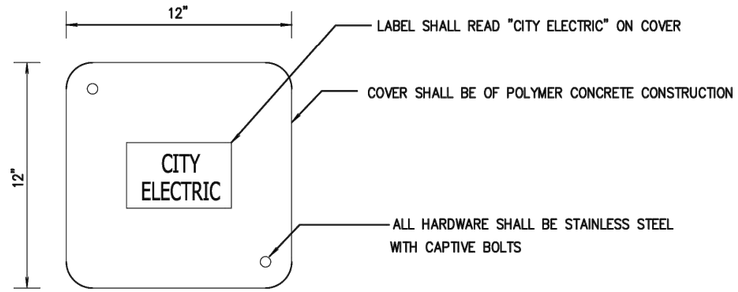
ANCHOR BOLT CAGE DETAIL

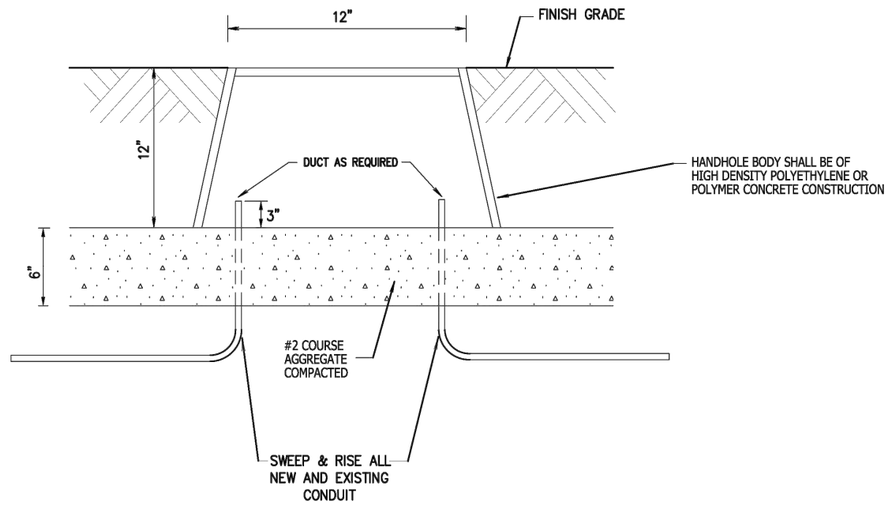
HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.



2025

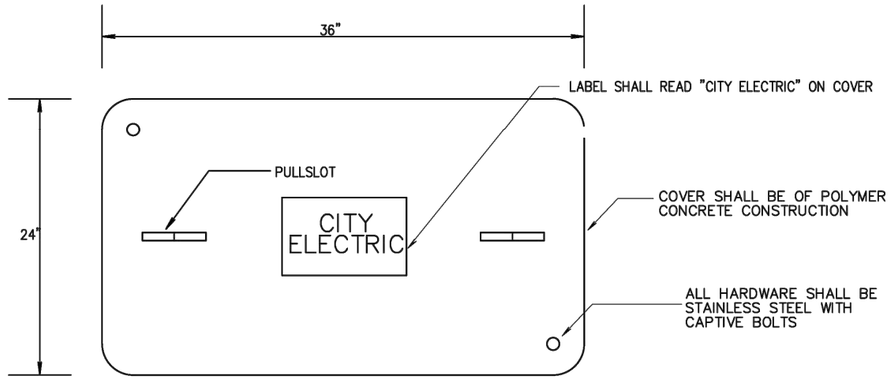
CITY OF MADISON TRAFFIC ENGINEERING DIVISION
LB-8R BASE DETAIL
STANDARD DETAIL DRAWING 6.19A

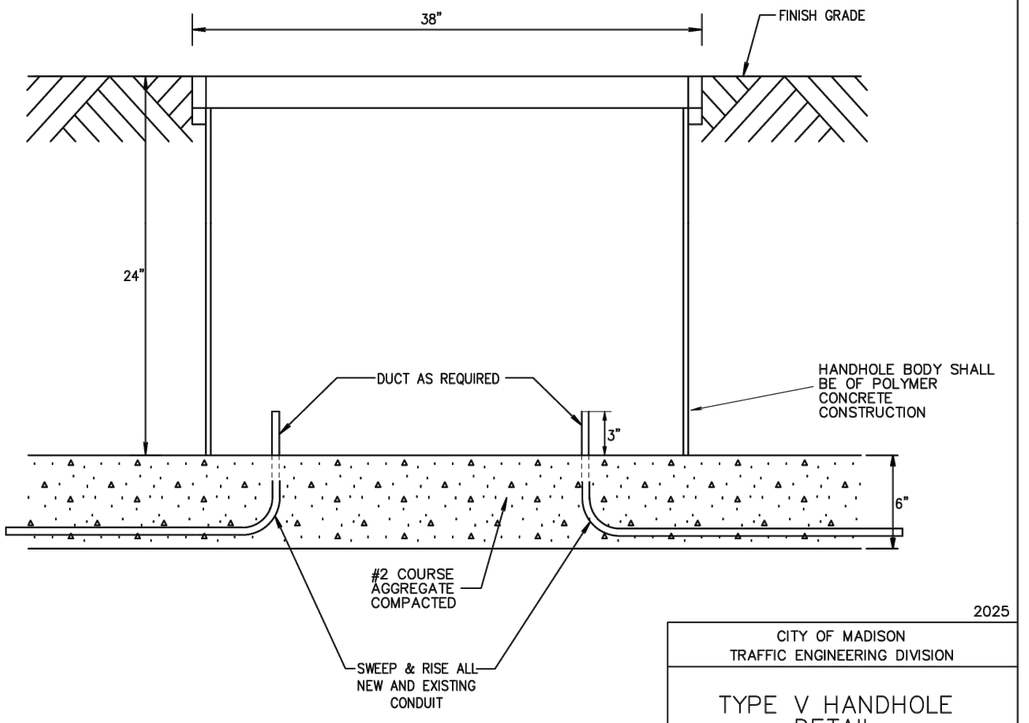




2025

CITY OF MADISON TRAFFIC ENGINEERING DIVISION
TYPE III HANDHOLE DETAIL
STANDARD DETAIL DRAWING 6.24



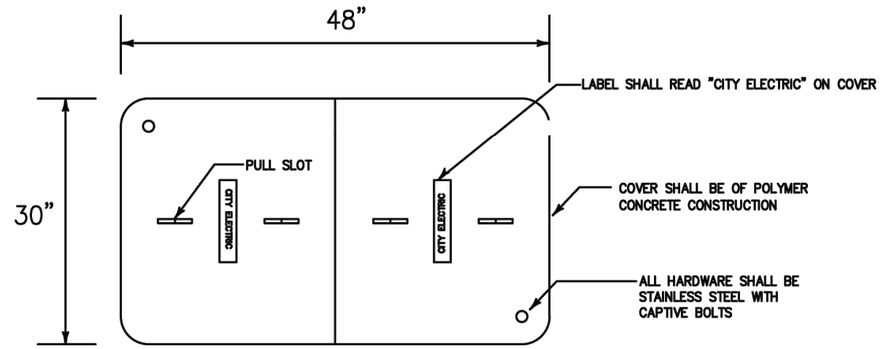


2025

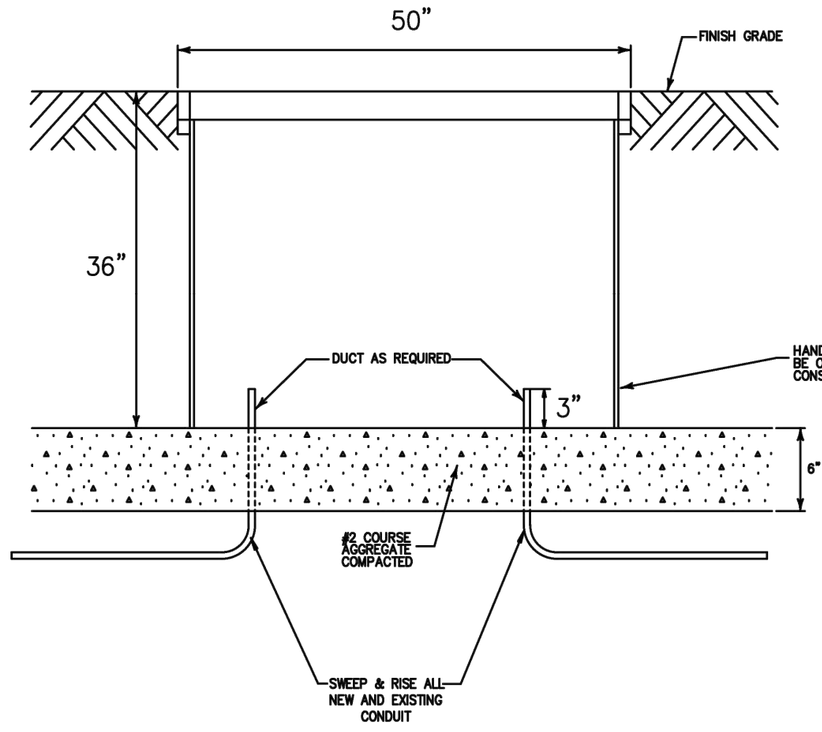
CITY OF MADISON
TRAFFIC ENGINEERING DIVISION

TYPE V HANDHOLE DETAIL

STANDARD DETAIL DRAWING 6.26



*15,000 LBS MAXIMUM LOAD OVER A 10" X 10" TEST AREA RATING FOR COVER AND BOX



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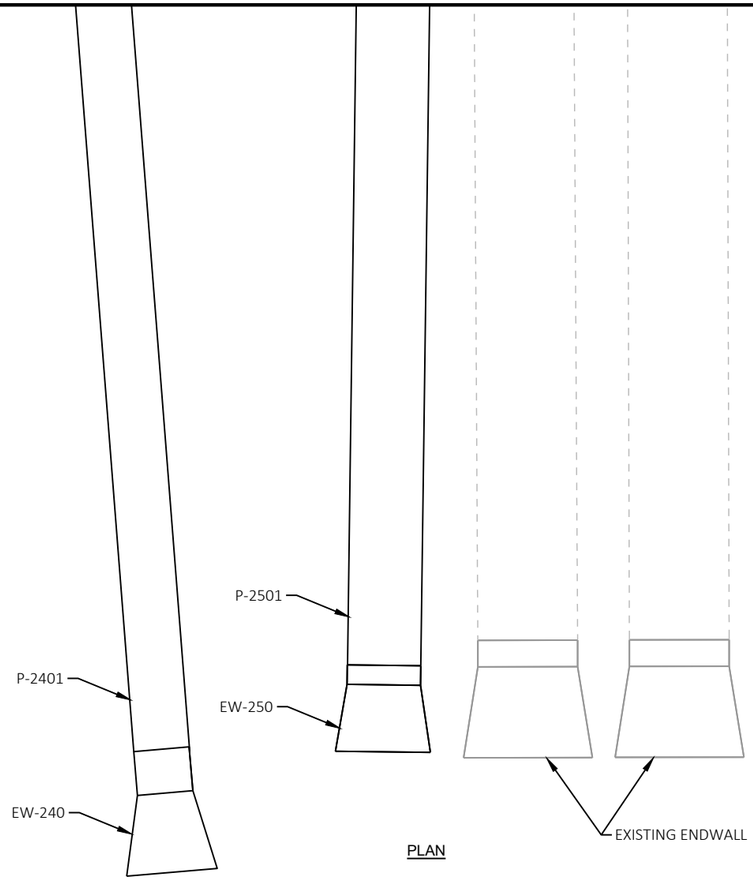
CITY OF MADISON
TRAFFIC ENGINEERING DIVISION

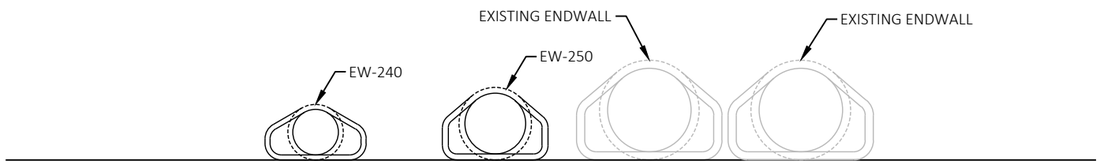
TYPE VII HANDHOLE DETAIL

STANDARD DETAIL DRAWING 6.26A

2



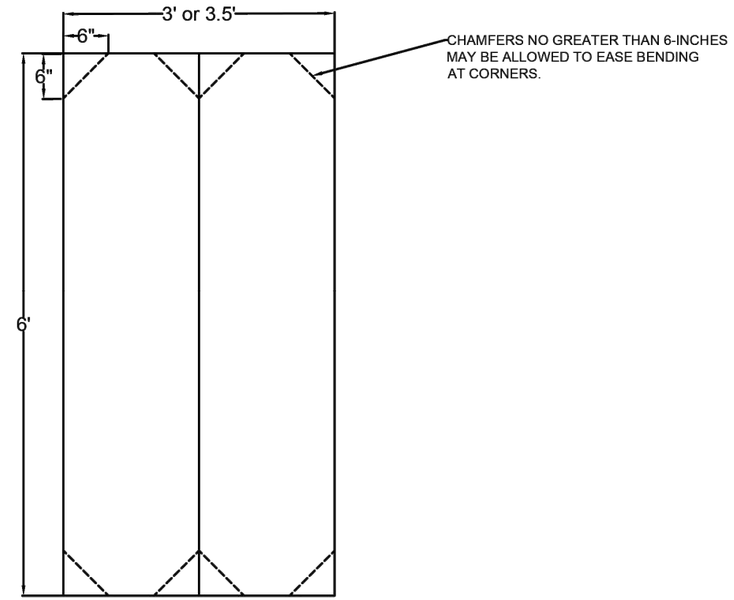
PLAN



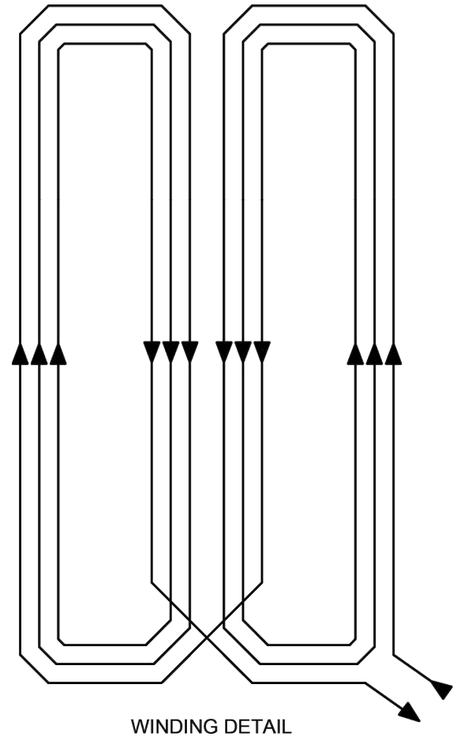
SECTION

CULVERT ENDWALLS

2



LOOP DIMENSIONS



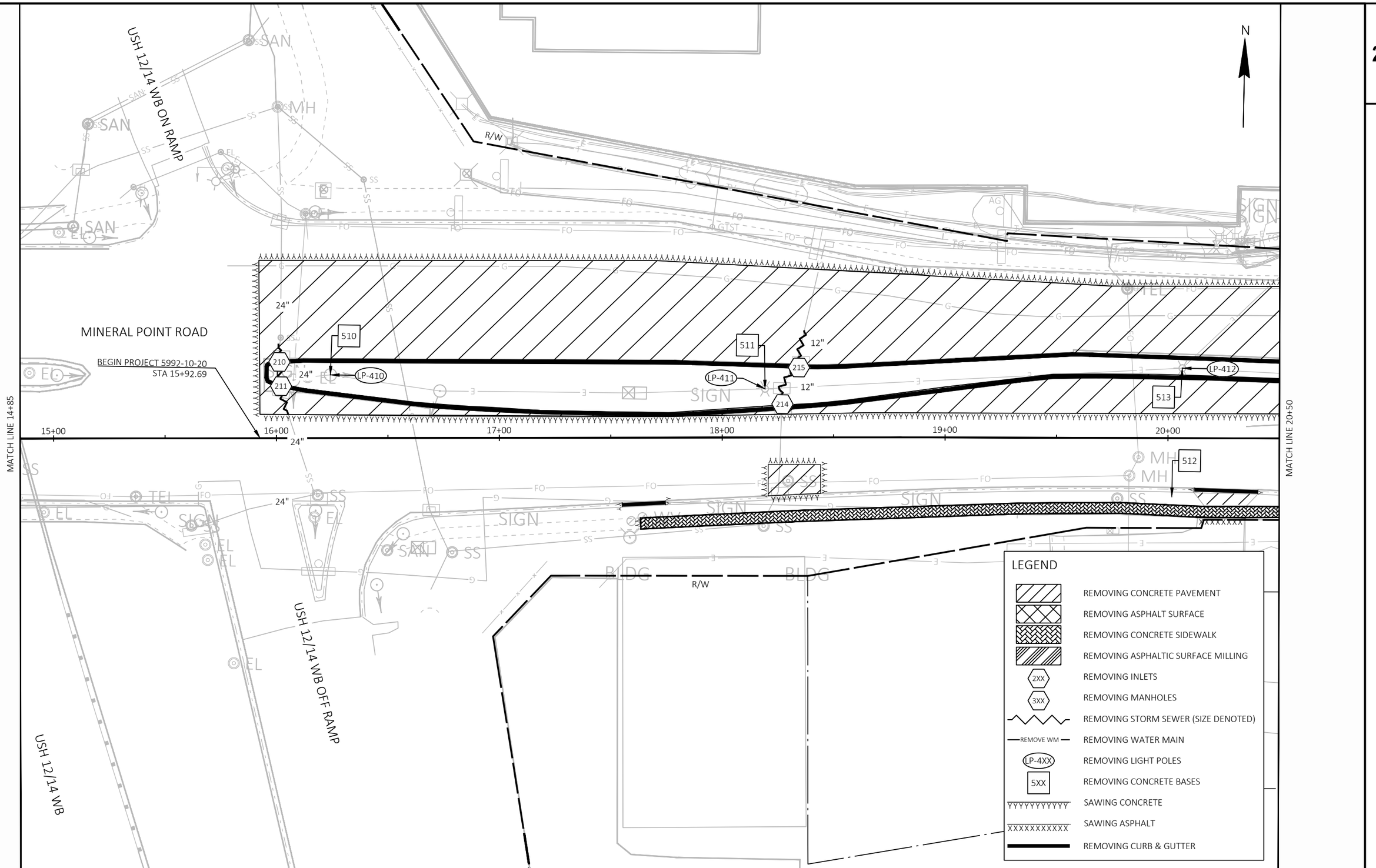
WINDING DETAIL

2025

CITY OF MADISON TRAFFIC ENGINEERING DIVISION
BIKE LOOP DETAIL
STANDARD DETAIL DRAWING 6.48

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 30	E

2



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	REMOVAL DETAILS - MINERAL POINT ROAD	SHEET 31	E

END CONSTRUCTION
STA 202+31.85
MATCH EXISTING
SAWCUT REQ'D

PROTECT TREE (TYP.)

MINERAL POINT ROAD

TREE LANE

BIG SKY DRIVE

END CONSTRUCTION
STA 200+85.36
MATCH EXISTING
SAWCUT REQ'D

MATCH LINE 20+50

MATCH LINE 26+50

MATCHLINE STA 302+65

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALT SURFACE
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE MILLING
- 2XX — REMOVING INLETS
- 3XX — REMOVING MANHOLES
- REMOVING STORM SEWER (SIZE DENOTED)
- REMOVE WM — REMOVING WATER MAIN
- LP-4XX — REMOVING LIGHT POLES
- 5XX — REMOVING CONCRETE BASES
- SAWING CONCRETE
- SAWING ASPHALT
- REMOVING CURB & GUTTER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	REMOVAL DETAILS - MINERAL POINT ROAD	SHEET 32 E

MATCH LINE STA 306+10

MATCH LINE 26+50

MATCH LINE STA 302+65

S. HIGH POINT ROAD

WESTWARD WAY

MINERAL POINT ROAD

GANSER WAY

R/W

306+00

305+00

304+00

303+00

18"

21"

12"

15"

315

317

226

316

END CONSTRUCTION
STA 28+02.86
MATCH EXISTING
SAWCUT REQ'D

END PROJECT 5992-10-20
STA 27+21.90

PROTECT TREE (TYP.)

27+00

28+00

29+00

30+00

31+00

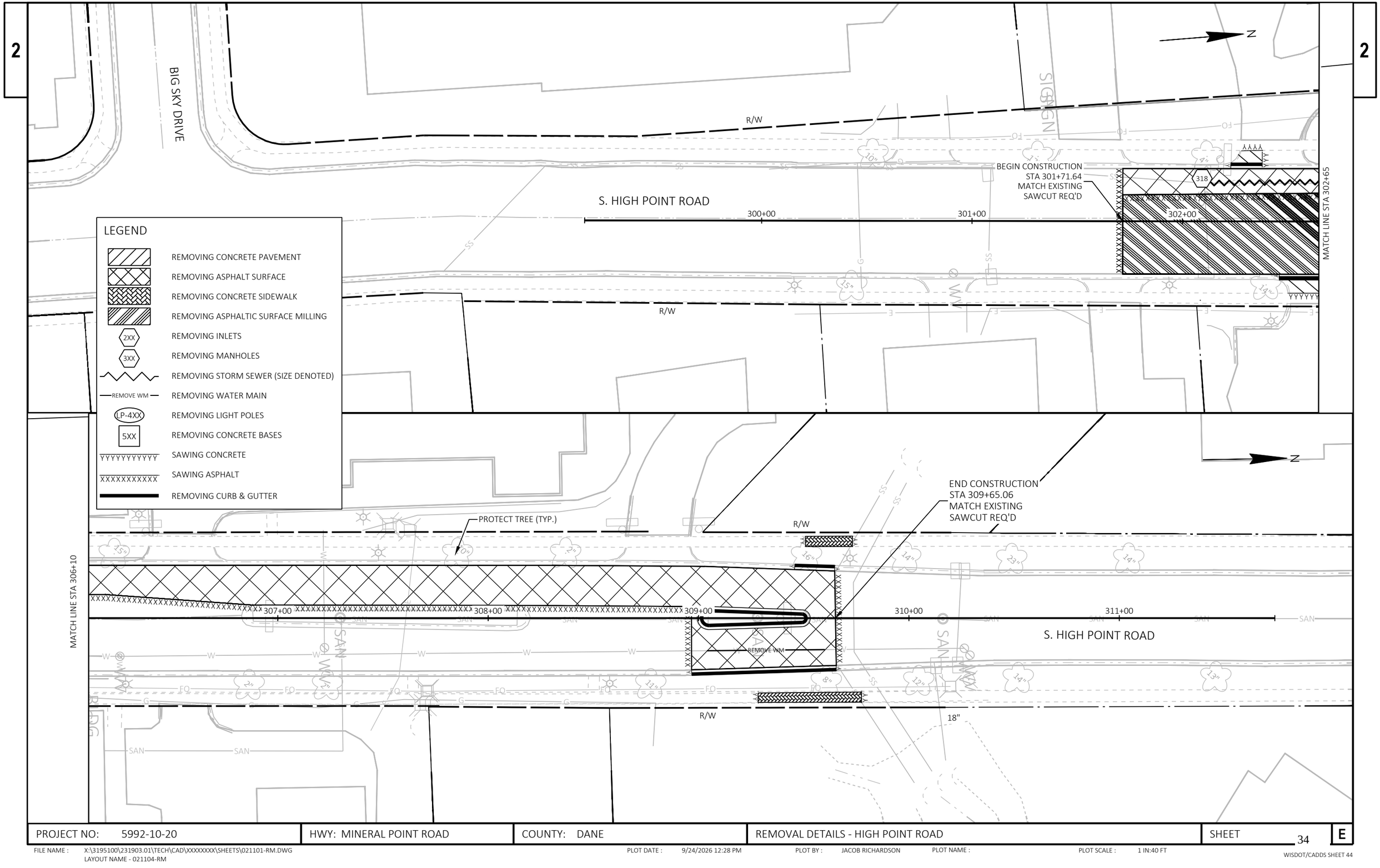
32+00

N

LEGEND

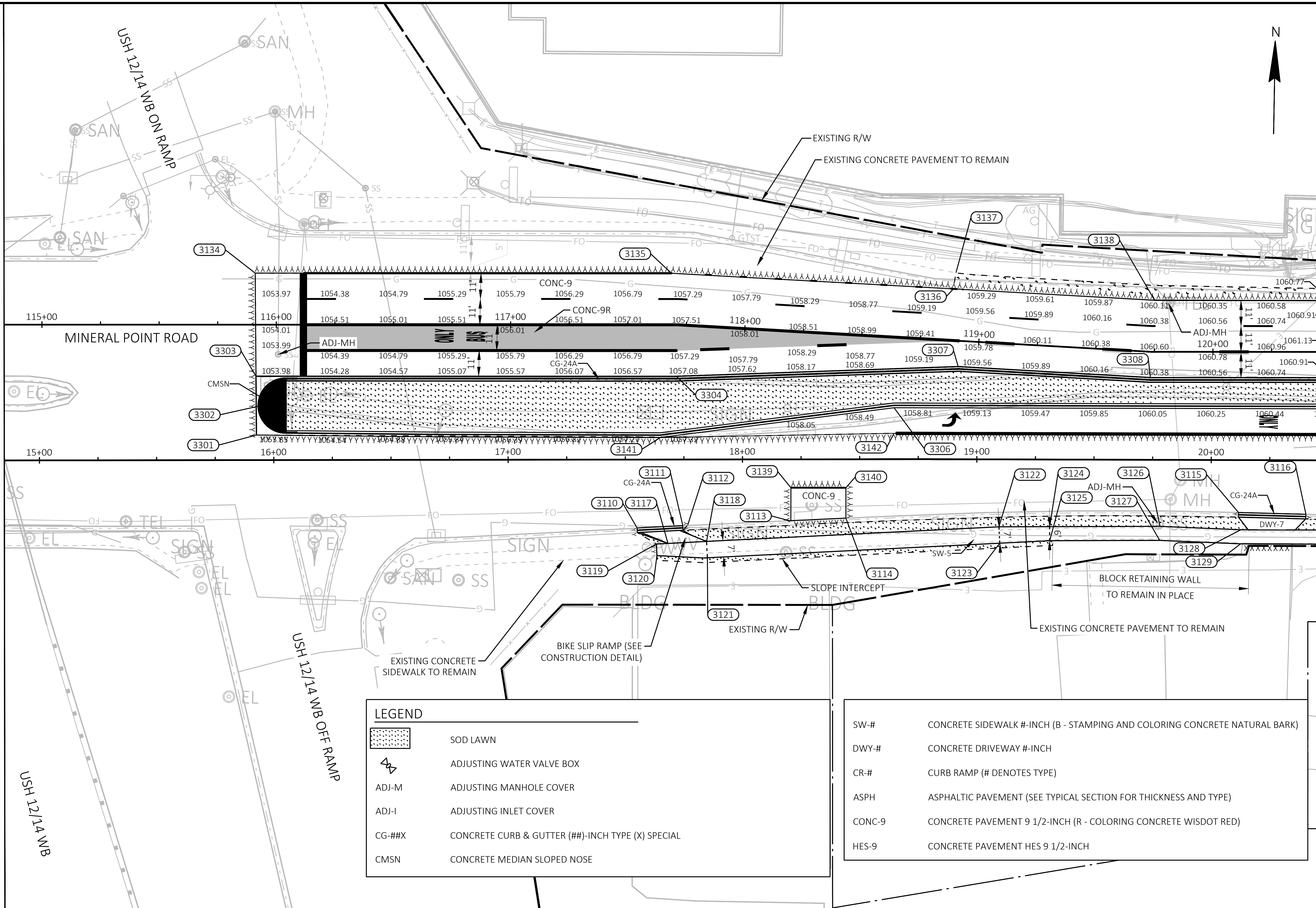
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALT SURFACE
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE MILLING
- 2XX — REMOVING INLETS
- 3XX — REMOVING MANHOLES
- REMOVING STORM SEWER (SIZE DENOTED)
- REMOVE WM — REMOVING WATER MAIN
- LP-4XX — REMOVING LIGHT POLES
- 5XX — REMOVING CONCRETE BASES
- SAWING CONCRETE
- SAWING ASPHALT
- REMOVING CURB & GUTTER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	REMOVAL DETAILS - MINERAL POINT ROAD	SHEET 33	E



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	REMOVAL DETAILS - HIGH POINT ROAD	SHEET 34	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\021101-RM.DWG
LAYOUT NAME - 021104-RM
PLOT DATE : 9/24/2026 12:28 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

(pattern)	SOD LAWN
(symbol)	ADJUSTING WATER VALVE BOX
ADJ-M	ADJUSTING MANHOLE COVER
ADJ-I	ADJUSTING INLET COVER
CG-##X	CONCRETE CURB & GUTTER (##)-INCH TYPE (X) SPECIAL
CMSN	CONCRETE MEDIAN SLOPED NOSE

SW-#	CONCRETE SIDEWALK #-INCH (B - STAMPING AND COLORING CONCRETE NATURAL BARK)
DWY-#	CONCRETE DRIVEWAY #-INCH
CR-#	CURB RAMP (# DENOTES TYPE)
ASPH	ASPHALTIC PAVEMENT (SEE TYPICAL SECTION FOR THICKNESS AND TYPE)
CONC-9	CONCRETE PAVEMENT 9 1/2-INCH (R - COLORING CONCRETE WISDOT RED)
HES-9	CONCRETE PAVEMENT HES 9 1/2-INCH

2

3100s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
3110	17+54.97	29.16' RT	1056.51	477617.37	784554.37	Detail Sheets
3111	17+74.47	28.18' RT	1056.91	477618.72	784573.84	Detail Sheets
3112	17+76.55	28.07' RT	1059.88	477618.86	784575.92	Detail Sheets
3113	18+20.12	26.20' RT	1059.68	477621.57	784619.45	Detail Sheets
3114	18+44.08	25.13' RT	1059.88	477623.10	784643.39	Detail Sheets
3115	20+11.71	22.33' RT	1063.02	477628.54	784810.84	Detail Sheets
3116	20+40.48	23.03' RT	1063.01	477628.26	784839.62	Detail Sheets
3117	17+68.15	35.81' RT	1059.98	477610.97	784567.67	Detail Sheets
3118	17+84.61	34.96' RT	1059.91	477612.13	784584.12	Detail Sheets
3119	17+63.21	36.03' RT	1059.97	477610.65	784562.74	Detail Sheets
3120	17+63.44	41.01' RT	1060.02	477605.68	784563.06	Detail Sheets
3121	17+84.96	41.96' RT	1060.02	477605.14	784584.59	Detail Sheets
3122	19+09.50	28.79' RT	1063.20	477620.56	784708.74	Detail Sheets
3123	19+09.87	35.78' RT	1063.37	477613.58	784709.22	Detail Sheets
3124	19+31.14	28.66' RT	1064.22	477621.02	784730.38	Detail Sheets
3125	19+31.18	34.66' RT	1064.40	477615.02	784730.50	Detail Sheets
3126	19+78.21	28.37' RT	1064.03	477622.01	784777.44	Detail Sheets
3127	19+78.11	34.37' RT	1064.24	477616.00	784777.43	Detail Sheets
3128	20+12.73	29.76' RT	1063.37	477621.13	784811.97	Detail Sheets
3129	20+12.60	35.76' RT	1063.58	477615.12	784811.94	Detail Sheets

3100s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
3134	15+92.19	79.80' LT	1053.00	477723.19	784389.53	Detail Sheets
3135	17+69.79	79.52' LT	1056.87	477726.30	784567.10	Detail Sheets
3136	18+89.76	72.72' LT	1059.11	477721.77	784687.49	Detail Sheets
3137	18+90.83	79.52' LT	1058.45	477728.58	784688.46	Detail Sheets
3138	19+75.65	68.12' LT	1060.12	477718.44	784773.45	Detail Sheets
3139	18+20.63	12.07' RT	1059.04	477635.71	784619.68	Detail Sheets
3140	18+44.12	12.14' RT	1059.36	477636.08	784643.18	Detail Sheets
3141	17+65.00	9.41' LT	1057.27	477656.12	784563.66	Detail Sheets
3142	18+64.68	11.07' LT	1058.90	477659.68	784663.29	Detail Sheets

3300s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
3301	15+92.62	10.69' LT	1052.67	477654.11	784391.28	Detail Sheets
3302	15+94.54	23.25' LT	1052.83	477666.69	784392.96	R=11' @ BOC
3303	15+92.46	35.80' LT	1053.87	477679.20	784390.65	Detail Sheets
3304	17+71.88	35.51' LT	1056.99	477682.35	784570.04	Detail Sheets
3306	18+64.68	21.98' LT	1058.68	477670.60	784663.08	Detail Sheets
3307	18+91.92	39.56' LT	1059.45	477688.64	784690.15	Detail Sheets
3308	19+73.97	35.11' LT	1060.37	477685.42	784772.26	Detail Sheets

2

TREE LANE

203+00

SLOPE INTERCEPT

MANUALLY PLACED C&G

MANUALLY PLACED C&G

MANUALLY PLACED C&G

NO ROOT CUTTING AT ALL TREES (TYP.)

EXISTING R/W

STA 24+28.15 CE, ASPHALT

MINERAL POINT ROAD

CONC-9R

CONC-9

CONC-9R

CONC-9

CONC-9R

ADJ-MH

ADJ-MH

ADJ-I

ADJ-I

ADJ-I

EXISTING CONCRETE PAVEMENT TO REMAIN

EXISTING R/W

STA 22+78.96 CE, ASPHALT

STA 24+56.08 CE, ASPHALT

EXISTING CONCRETE SIDEWALK TO REMAIN

PI: 200+98.85

BP: 200+00.00

BIG SKY DRIVE

MATCH LINE 26+50

N

LEGEND

	SOD LAWN
	ADJUSTING WATER VALVE BOX
ADJ-M	ADJUSTING MANHOLE COVER
ADJ-I	ADJUSTING INLET COVER
CG-##X	CONCRETE CURB & GUTTER (##)-INCH TYPE (X) SPECIAL
CMSN	CONCRETE MEDIAN SLOPED NOSE

SW-#	CONCRETE SIDEWALK #-INCH (B - STAMPING AND COLORING CONCRETE NATURAL BARK)
DWY-#	CONCRETE DRIVEWAY #-INCH
CR-#	CURB RAMP (# DENOTES TYPE)
ASPH	ASPHALTIC PAVEMENT (SEE TYPICAL SECTION FOR THICKNESS AND TYPE)
CONC-9	CONCRETE PAVEMENT 9 1/2-INCH (R - COLORING CONCRETE WISDOT RED)
HES-9	CONCRETE PAVEMENT HES 9 1/2-INCH

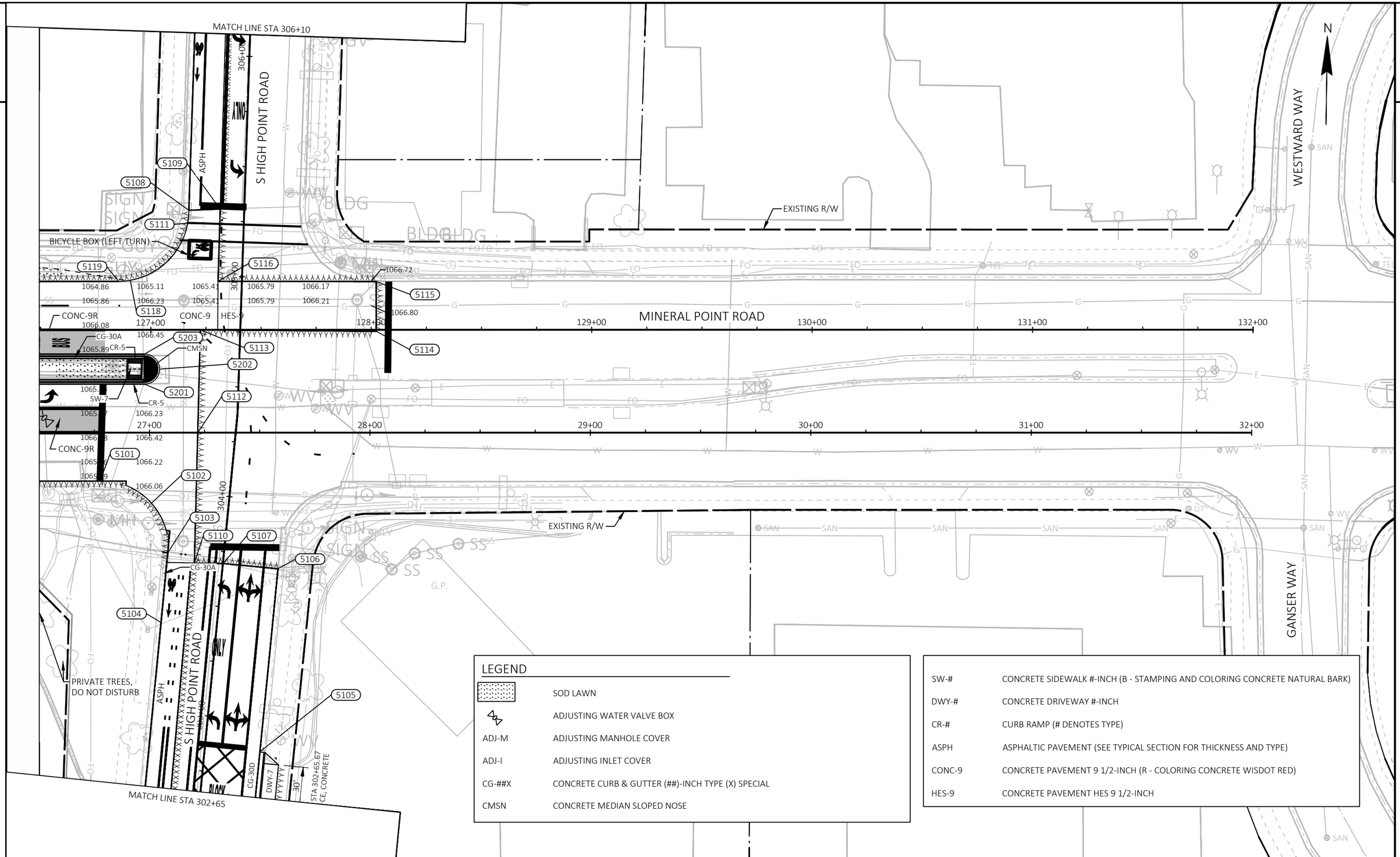
4100s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
4101	20+72.07	24.35' RT	1061.36	477627.41	784871.23	Detail Sheets
4102	20+90.56	32.54' RT	1060.56	477619.50	784889.84	Detail Sheets
4103	20+96.98	43.40' RT	1060.61	477608.73	784896.42	Detail Sheets
4104	20+98.17	51.04' RT	1060.70	477601.12	784897.72	Detail Sheets
4105	20+98.30	61.98' RT	1060.78	477590.18	784898.01	Detail Sheets
4106	21+20.50	61.89' RT	1060.76	477590.59	784920.21	Detail Sheets
4107	21+19.87	49.90' RT	1060.63	477602.58	784919.40	Detail Sheets
4108	21+20.29	22.00' RT	1061.11	477630.48	784919.40	Detail Sheets
4109	21+35.29	22.00' RT	1061.22	477630.70	784934.40	Detail Sheets
4110	21+27.76	24.00' RT	1060.61	477628.59	784926.90	Detail Sheets
4111	21+34.88	49.84' RT	1060.90	477602.86	784934.40	Detail Sheets
4112	21+32.59	61.85' RT	1061.00	477590.82	784932.30	Detail Sheets
4113	21+55.03	61.76' RT	1062.55	477591.24	784954.73	Detail Sheets
4114	21+55.45	56.46' RT	1062.41	477596.55	784955.07	Detail Sheets
4115	21+55.99	49.61' RT	1062.25	477603.40	784955.52	Detail Sheets
4116	21+65.55	29.96' RT	1062.58	477623.20	784964.77	Detail Sheets
4117	21+85.90	22.00' RT	1061.64	477631.46	784985.01	Detail Sheets
4118	22+06.38	21.99' RT	1061.79	477631.77	785005.49	Detail Sheets
4119	22+56.01	21.99' RT	1062.15	477632.51	785055.11	Detail Sheets
4120	23+16.01	21.98' RT	1062.58	477633.40	785115.10	Detail Sheets
4121	24+20.41	21.97' RT	1063.25	477634.96	785219.49	Detail Sheets
4122	25+03.51	21.97' RT	1064.08	477636.20	785302.59	Detail Sheets
4123	25+91.13	21.96' RT	1064.70	477637.51	785390.20	Detail Sheets

4200s-4400s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
4201	20+64.58	22.00' LT	1060.75	477673.65	784863.05	Detail Sheets
4202	20+80.43	23.42' LT	1060.94	477675.31	784878.87	R=89' @ FLANGE
4203	20+95.76	27.64' LT	1061.13	477679.75	784894.15	R=89' @ FLANGE
4204	20+96.33	31.75' LT	1061.37	477683.86	784894.65	R=2' BOC
4205	20+94.35	35.39' LT	1061.22	477687.48	784892.62	Detail Sheets

4200s-4400s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
4301	21+00.01	17.49' LT	1061.23	477669.66	784898.54	Detail Sheets
4302	21+01.31	11.00' LT	1061.19	477663.20	784899.93	Detail Sheets
4303	21+26.91	11.00' LT	1061.38	477663.58	784925.54	Detail Sheets
4304	21+36.14	12.45' LT	1061.45	477665.17	784934.74	R=30' @ FLANGE
4305	21+44.47	16.67' LT	1061.52	477669.51	784943.01	Detail Sheets
4306	21+55.60	23.65' LT	1061.62	477676.65	784954.04	R=100' @ FLANGE
4307	21+67.56	29.10' LT	1061.72	477682.28	784965.91	Detail Sheets
4308	21+66.26	35.58' LT	1061.73	477688.74	784964.52	Detail Sheets
4309	21+40.65	35.58' LT	1061.55	477688.36	784938.91	Detail Sheets
4310	21+31.43	34.13' LT	1061.48	477686.77	784929.71	R=30' @ FLANGE
4311	21+23.10	29.91' LT	1061.41	477682.43	784921.45	Detail Sheets
4312	21+11.96	22.94' LT	1061.32	477675.29	784910.41	R=100' @ FLANGE

4200s-4400s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
4401	22+02.98	24.59' LT	1061.76	477678.29	785001.40	Detail Sheets
4402	21+86.85	23.11' LT	1061.65	477676.58	784985.29	R=89' @ FLANGE
4403	21+71.26	18.74' LT	1061.54	477671.97	784969.76	Detail Sheets
4404	21+70.72	14.64' LT	1061.84	477667.86	784969.28	R=2' @ BOC
4406	23+98.72	11.00' LT	1063.59	477667.61	785197.32	Detail Sheets
4407	24+86.97	22.00' LT	1063.97	477679.92	785285.39	Detail Sheets
4408	24+90.98	35.61' LT	1064.01	477693.59	785289.20	Detail Sheets
4409	24+02.98	24.61' LT	1063.17	477681.28	785201.38	Detail Sheets

4500s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
4501	20+74.43	68.19' LT	1060.69	477719.99	784872.21	Detail Sheets
4502	20+86.13	70.87' LT	1060.03	477722.84	784883.87	Detail Sheets
4503	21+17.70	68.51' LT	1060.79	477720.94	784915.48	Detail Sheets
4504	20+93.83	76.33' LT	1060.07	477728.41	784891.49	Detail Sheets
4505	21+17.72	84.75' LT	1060.21	477737.18	784915.25	Detail Sheets
4506	20+99.18	85.14' LT	1060.09	477737.30	784896.71	Detail Sheets
4507	21+63.47	77.81' LT	1060.56	477730.92	784961.09	Detail Sheets
4508	21+61.60	75.89' LT	1060.54	477728.97	784959.26	Detail Sheets
4509	21+79.33	68.37' LT	1060.69	477721.72	784977.10	Detail Sheets
4510	22+21.44	68.38' LT	1060.69	477722.35	785019.20	Detail Sheets
4511	22+36.05	68.38' LT	1060.69	477722.57	785033.82	Detail Sheets
4512	23+29.31	68.43' LT	1060.69	477724.01	785127.06	Detail Sheets
4513	23+43.98	68.44' LT	1060.69	477724.23	785141.73	Detail Sheets
4514	25+95.98	68.57' LT	1060.69	477728.10	785393.70	Detail Sheets
4515	26+10.72	68.58' LT	1060.69	477728.33	785408.44	Detail Sheets
4516	21+79.40	70.87' LT	1060.68	477724.22	784977.13	Detail Sheets
4517	20+91.99	78.02' LT	1060.06	477730.07	784889.62	Detail Sheets
4518	20+70.65	77.61' LT	1059.95	477729.34	784868.30	Detail Sheets
4519	20+59.77	73.78' LT	1059.90	477725.35	784857.47	Detail Sheets
4520	20+54.56	73.21' LT	1059.87	477724.70	784852.27	Detail Sheets
4521	20+58.82	68.27' LT	1061.01	477719.83	784856.60	Detail Sheets



LEGEND

	SOD LAWN
	ADJUSTING WATER VALVE BOX
ADJ-M	ADJUSTING MANHOLE COVER
ADJ-I	ADJUSTING INLET COVER
CG-##X	CONCRETE CURB & GUTTER (##)-INCH TYPE (X) SPECIAL
CMSN	CONCRETE MEDIAN SLOPED NOSE

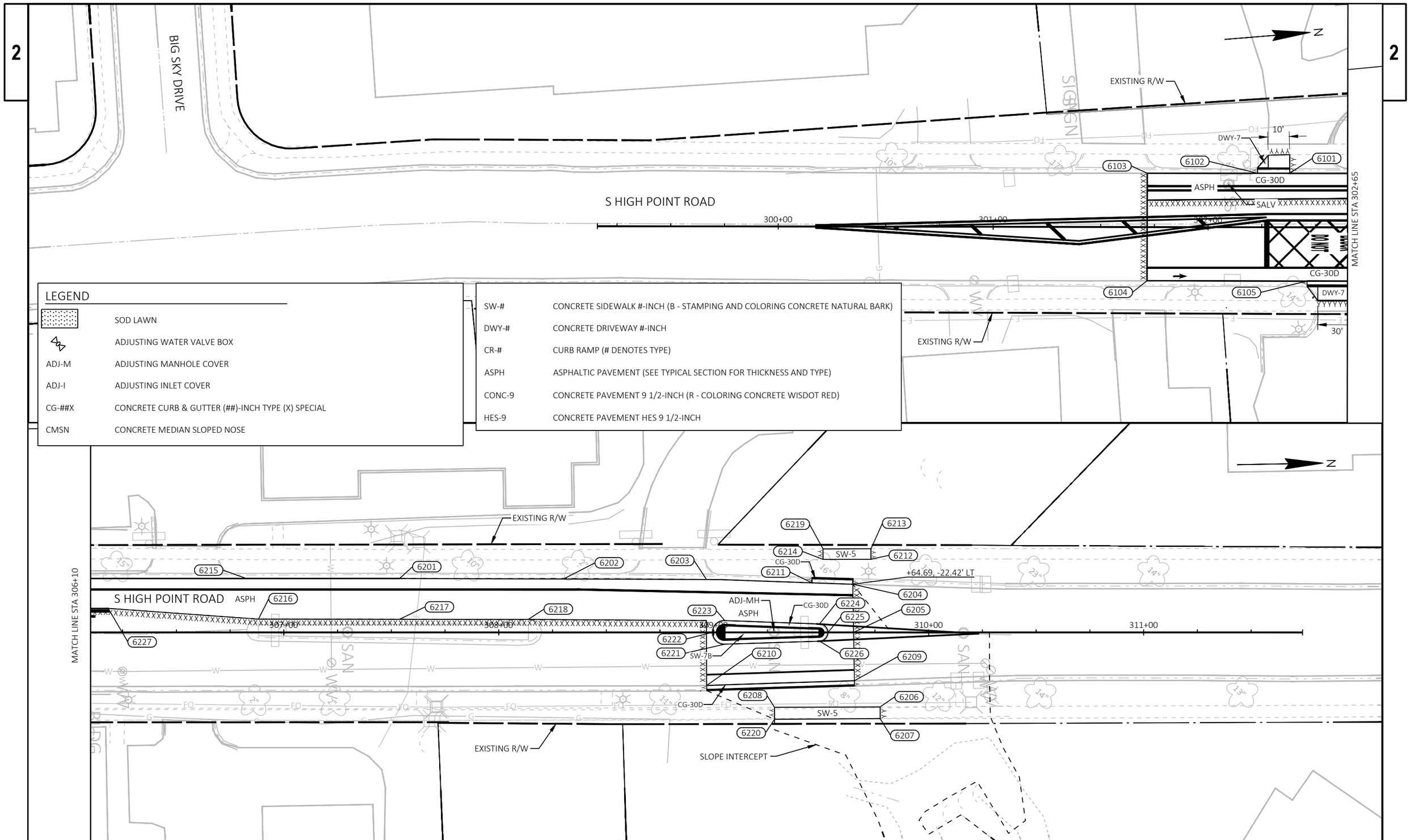
SW-#	CONCRETE SIDEWALK #-INCH (B - STAMPING AND COLORING CONCRETE NATURAL BARK)
DWY-#	CONCRETE DRIVEWAY #-INCH
CR-#	CURB RAMP (# DENOTES TYPE)
ASPH	ASPHALTIC PAVEMENT (SEE TYPICAL SECTION FOR THICKNESS AND TYPE)
CONC-9	CONCRETE PAVEMENT 9 1/2-INCH (R - COLORING CONCRETE WISDOT RED)
HES-9	CONCRETE PAVEMENT HES 9 1/2-INCH

PROJECT NO: 5992-10-20 | HWY: MINERAL POINT ROAD | COUNTY: DANE | PLAN DETAILS - MINERAL POINT ROAD | SHEET 39 | E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\021201-PD.DWG
LAYOUT NAME - 021205-PD
PLOT DATE : 9/24/2026 12:29 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

5100s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
5101	304+01.34	59.15' LT	1065.81	477638.82	785476.60	Detail Sheets
5102	303+93.60	34.93' LT	1065.93	477629.10	785500.08	Detail Sheets
5103	303+71.87	25.39' LT	1066.40	477606.65	785507.80	Detail Sheets
5104	303+40.17	25.33' LT	1067.11	477575.06	785505.22	Detail Sheets
5105	302+86.08	24.95' RT	1069.43	477516.99	785550.85	Detail Sheets
5106	303+69.65	25.12' RT	1067.37	477600.26	785557.94	Detail Sheets
5107	303+69.55	0.07' RT	1065.99	477602.24	785532.97	Detail Sheets
5108	305+29.33	25.13' LT	1065.21	477762.24	785515.07	Detail Sheets
5109	305+30.33	10.91' LT	1065.39	477762.97	785529.31	Detail Sheets
5110	303+68.54	12.87' LT	1066.02	477602.30	785519.99	Detail Sheets
5111	305+23.46	25.49' LT	1065.24	477756.37	785514.61	Detail Sheets
5112	304+27.50	17.14' LT	1065.35	477661.41	785520.62	Detail Sheets
5113	304+75.28	18.09' LT	1065.35	477708.06	785521.12	Detail Sheets
5114	304+77.29	61.65' RT	1066.89	477708.62	785600.89	Detail Sheets
5115	304+99.85	60.90' RT	1066.78	477731.18	785600.55	Detail Sheets
5116	304+97.53	10.81' LT	1065.50	477730.18	785528.81	Detail Sheets
5118	304+96.72	50.61' LT	1065.02	477730.09	785489.01	Detail Sheets
5119	304+96.02	55.92' LT	1065.95	477729.49	785483.69	Detail Sheets

5200s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
5201	26+97.74	22.00' LT	1066.06	477683.05	785496.14	Detail Sheets
5202	27+04.56	28.82' LT	1066.25	477689.97	785502.86	R=5' @ BOC
5203	26+97.74	35.63' LT	1066.21	477696.68	785495.94	Detail Sheets



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN DETAILS - S HIGH POINT ROAD	SHEET 41	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\021201-PD.DWG
LAYOUT NAME - 021207-PD
PLOT DATE : 9/24/2026 12:29 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

6100s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
6101	302+37.91	25.16' LT	1070.35	477473.14	785496.92	Detail Sheets
6102	302+22.91	25.14' LT	1071.05	477458.19	785495.70	Detail Sheets
6103	301+71.63	25.05' LT	1073.69	477407.08	785491.53	Detail Sheets
6104	301+71.63	24.95' RT	1073.79	477402.93	785541.36	Detail Sheets
6105	302+46.07	24.95' RT	1069.76	477477.12	785547.53	Detail Sheets

6200s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
6201	307+53.85	25.10' LT	1056.25	477986.72	785519.20	Detail Sheets
6202	308+30.00	24.84' LT	1052.16	478062.85	785520.86	Detail Sheets
6203	308+96.63	24.61' LT	1048.54	478129.46	785522.31	Detail Sheets
6204	309+64.69	22.42' LT	1045.69	478197.47	785525.74	Detail Sheets
6205	309+65.06	0.00'	1045.57	478197.43	785548.16	Detail Sheets
6206	309+77.42	34.65' RT	1045.87	478209.16	785583.03	Detail Sheets
6207	309+77.44	40.15' RT	1045.98	478209.08	785588.53	Detail Sheets
6208	309+28.28	34.83' RT	1047.48	478160.02	785582.31	Detail Sheets
6209	309+65.43	22.46' RT	1045.86	478197.39	785570.63	Detail Sheets
6210	308+96.69	24.67' RT	1048.84	478128.62	785571.58	Detail Sheets
6211	309+45.63	23.06' LT	1046.30	478178.43	785524.75	Detail Sheets
6212	309+73.15	34.03' LT	1045.60	478206.14	785514.29	Detail Sheets
6213	309+73.14	38.94' LT	1045.76	478206.22	785509.37	Detail Sheets
6214	309+50.87	33.99' LT	1046.25	478183.86	785513.92	Detail Sheets
6215	306+82.54	25.11' LT	1059.83	477915.41	785517.89	Detail Sheets
6216	306+88.21	6.20' LT	1059.48	477920.74	785536.90	Detail Sheets
6217	307+53.85	6.13' LT	1056.22	477986.37	785538.17	Detail Sheets
6218	308+13.72	6.06' LT	1053.03	478046.22	785539.33	Detail Sheets
6219	309+50.85	38.85' LT	1046.39	478183.93	785509.05	Detail Sheets
6220	309+28.32	40.38' RT	1047.63	478159.96	785587.86	Detail Sheets

6200s						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
6221	309+05.10	5.46' RT	1048.10	478137.38	785552.53	Detail Sheets
6222	308+99.43	0.05' LT	1048.38	478131.81	785546.91	Detail Sheets
6223	309+05.12	5.53' LT	1048.08	478137.60	785541.53	Detail Sheets
6224	309+49.23	3.94' LT	1046.13	478181.68	785543.93	Detail Sheets
6225	309+53.09	0.06' RT	1046.00	478185.46	785548.00	Detail Sheets
6226	309+49.22	4.05' RT	1046.13	478181.52	785551.92	Detail Sheets
6227	306+18.28	11.19' LT	1062.77	477850.91	785530.64	Detail Sheets

MINERAL POINT ROAD - EASTBOUND

2

LEGEND

- DIRECTION OF SLOPE
- SLOPE INTERCEPT
- SAWING CONCRETE
- SAWING ASPHALT
- DETECTABLE WARNING FIELD
- 2" MINIMUM CURB HEIGHT
- NO. ELEV. — POINT NUMBER & ELEVATION
- (L) — LANDING

N

PAVED TRAVERSABLE FLARE

CURB RAMP TYPE 1

GRADED NON-TRAVERSABLE FLARE

EXISTING R/W

CONCRETE CURB PEDESTRIAN

SLOPE INTERCEPT

BIG SKY DRIVE SB

1101 1061.24
1102 1060.80
1103 1060.94
1104 1061.48
1105 1061.14
1106 1061.50
1107 1061.76
1108 1061.88
1109 1061.53
1110 1061.18
1111 1061.05
1112 1061.20
1113 1061.38
1114 1061.30
1115 1061.11
1116 1060.97
1117 1060.74
1118 1060.77
1119 1060.81
1120 1060.88
1121 1060.91
1122 1060.95
1123 1061.02
1124 1061.03
1125 1061.06
1126 1061.46
1127 1061.32

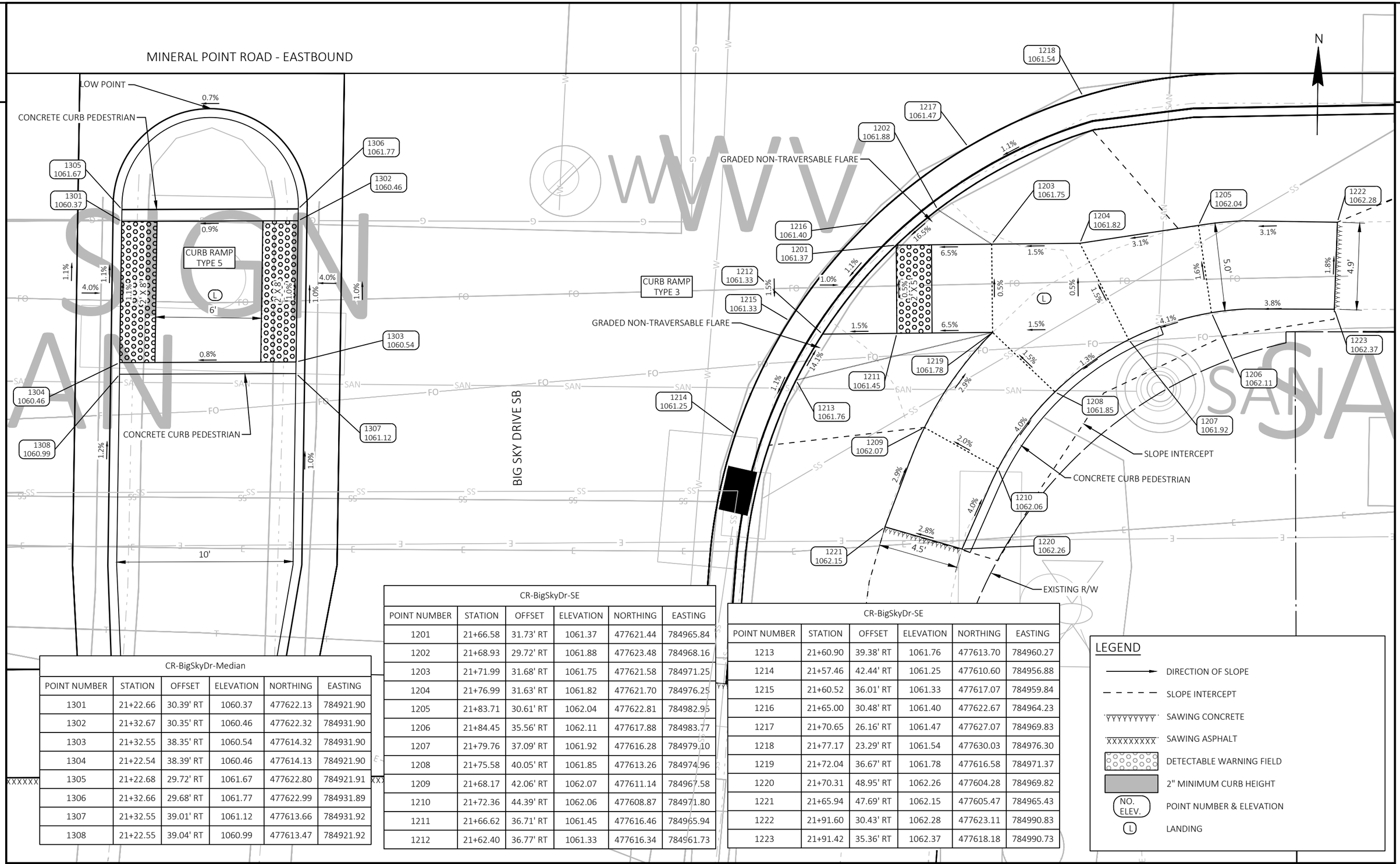
CR-BigSkyDr-SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1101	20+76.31	26.87' RT	1061.24	477624.96	784875.50
1102	20+81.99	28.80' RT	1060.80	477623.11	784881.21
1103	20+92.63	38.50' RT	1060.94	477613.57	784891.99
1104	20+95.07	43.99' RT	1061.48	477608.12	784894.52
1105	20+86.53	38.52' RT	1061.14	477613.46	784885.90
1106	20+90.54	46.33' RT	1061.50	477605.72	784890.02
1107	20+90.19	52.68' RT	1061.76	477599.36	784889.77
1108	20+85.19	52.50' RT	1061.88	477599.46	784884.77
1109	20+85.50	46.89' RT	1061.53	477605.08	784884.99
1110	20+82.72	41.75' RT	1061.18	477610.17	784882.13
1111	20+76.93	37.49' RT	1061.05	477614.35	784876.29
1112	20+72.75	36.42' RT	1061.20	477615.36	784872.08
1113	20+66.73	35.79' RT	1061.38	477615.90	784866.05
1114	20+66.78	30.91' RT	1061.30	477620.78	784866.04
1115	20+72.81	31.41' RT	1061.11	477620.37	784872.07
1116	20+78.84	32.87' RT	1060.97	477619.00	784878.13
1117	20+72.07	24.35' RT	1060.74	477627.41	784871.23
1118	20+76.31	24.83' RT	1060.77	477627.00	784875.47
1119	20+80.26	25.91' RT	1060.81	477625.98	784879.44
1120	20+87.58	29.89' RT	1060.88	477622.10	784886.81
1121	20+90.16	32.14' RT	1060.91	477619.89	784889.43
1122	20+93.34	35.91' RT	1060.95	477616.17	784892.66
1123	20+96.66	42.41' RT	1061.02	477609.72	784896.08
1124	20+96.98	43.40' RT	1061.03	477608.73	784896.42
1125	20+75.28	31.77' RT	1061.06	477620.05	784874.55
1126	20+90.29	45.45' RT	1061.46	477606.58	784889.76
1127	20+68.83	36.01' RT	1061.32	477615.71	784868.16

RADIAL DWF LAYOUT TABLE		
BOC RADIUS	=	23.0'
CURB RAMP LANDING LENGTH ('XR')	=	6.10'
RADIAL CHORD LENGTH	=	13.61'
RADIAL WARNING FIELD AREA	=	27.27 SF

GOVMPL

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CURB RAMP DETAILS: MINERAL POINT & BIG SKY - SW	SHEET 021301-CR 43	E

MINERAL POINT ROAD - EASTBOUND



CR-BigSkyDr-Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1301	21+22.66	30.39' RT	1060.37	477622.13	784921.90
1302	21+32.67	30.35' RT	1060.46	477622.32	784931.90
1303	21+32.55	38.35' RT	1060.54	477614.32	784931.90
1304	21+22.54	38.39' RT	1060.46	477614.13	784921.90
1305	21+22.68	29.72' RT	1061.67	477622.80	784921.91
1306	21+32.66	29.68' RT	1061.77	477622.99	784931.89
1307	21+32.55	39.01' RT	1061.12	477613.66	784931.92
1308	21+22.55	39.04' RT	1060.99	477613.47	784921.92

CR-BigSkyDr-SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1201	21+66.58	31.73' RT	1061.37	477621.44	784965.84
1202	21+68.93	29.72' RT	1061.88	477623.48	784968.16
1203	21+71.99	31.68' RT	1061.75	477621.58	784971.25
1204	21+76.99	31.63' RT	1061.82	477621.70	784976.25
1205	21+83.71	30.61' RT	1062.04	477622.81	784982.95
1206	21+84.45	35.56' RT	1062.11	477617.88	784983.77
1207	21+79.76	37.09' RT	1061.92	477616.28	784979.10
1208	21+75.58	40.05' RT	1061.85	477613.26	784974.96
1209	21+68.17	42.06' RT	1062.07	477611.14	784967.58
1210	21+72.36	44.39' RT	1062.06	477608.87	784971.80
1211	21+66.62	36.71' RT	1061.45	477616.46	784965.94
1212	21+62.40	36.77' RT	1061.33	477616.34	784961.73

CR-BigSkyDr-SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1213	21+60.90	39.38' RT	1061.76	477613.70	784960.27
1214	21+57.46	42.44' RT	1061.25	477610.60	784956.88
1215	21+60.52	36.01' RT	1061.33	477617.07	784959.84
1216	21+65.00	30.48' RT	1061.40	477622.67	784964.23
1217	21+70.65	26.16' RT	1061.47	477627.07	784969.83
1218	21+77.17	23.29' RT	1061.54	477630.03	784976.30
1219	21+72.04	36.67' RT	1061.78	477616.58	784971.37
1220	21+70.31	48.95' RT	1062.26	477604.28	784969.82
1221	21+65.94	47.69' RT	1062.15	477605.47	784965.43
1222	21+91.60	30.43' RT	1062.28	477623.11	784990.83
1223	21+91.42	35.36' RT	1062.37	477618.18	784990.73

LEGEND

- DIRECTION OF SLOPE
- SLOPE INTERCEPT
- SAWING CONCRETE
- SAWING ASPHALT
- DETECTABLE WARNING FIELD
- 2" MINIMUM CURB HEIGHT
- NO. ELEV. — POINT NUMBER & ELEVATION
- L — LANDING

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CURB RAMP DETAILS: MINERAL POINT & BIG SKY - SE	SHEET 021302-CR 44	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\021301-CR.DWG
LAYOUT NAME - 02

PLOT DATE : 9/24/2026 12:29 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:5 FT

LEGEND

- DIRECTION OF SLOPE
- SLOPE INTERCEPT
- SAWING CONCRETE
- SAWING ASPHALT
- DETECTABLE WARNING FIELD
- 2" MINIMUM CURB HEIGHT
- NO. ELEV. — POINT NUMBER & ELEVATION
- L — LANDING

MINERAL POINT ROAD - WESTBOUND

N

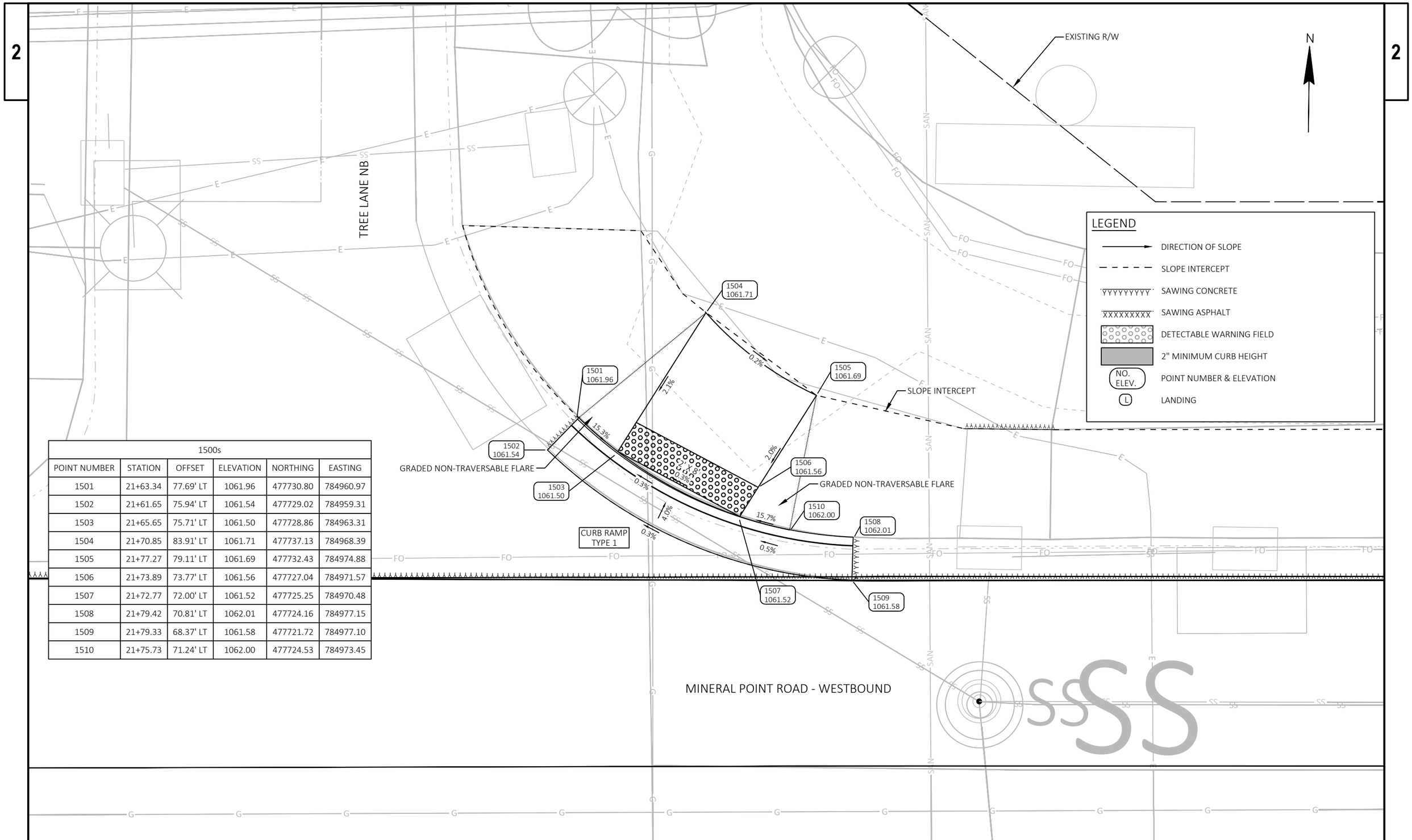
1404 1061.50
1412 1061.99
1405 1061.57
1413 1062.06
CURB RAMP TYPE 5
0.7%
1411 1061.98
1.6%
0.7%
0.7%
2.0'
0.5%
0.7%
0.5%
9.5'
0.7%
1419 1061.58
1402 1061.35
1410 1061.84
1403 1061.51
1.3%
0.6%
3.3%
0.9%
L
1406 1061.62
1414 1062.00
8.0'
9.5%
1.3%
CONCRETE CURB PEDESTRIAN
LOW POINT
0.7%
0.9%
0.2%
1420 1061.28
1407 1061.36
0.8%
1.3%
10.1'
1415 1061.86
1409 1061.74
2.5'
0.5%
0.5%
0.8%
0.3%
0.8%
6.7%
0.6%
CONCRETE CURB PEDESTRIAN
1401 1061.26
1418 1061.35
2.4%
CURB RAMP TYPE 5
1417 1061.83
1408 1061.33

MINERAL POINT ROAD - EASTBOUND

21+00

Cr-MinPoint-TreeLn-Median

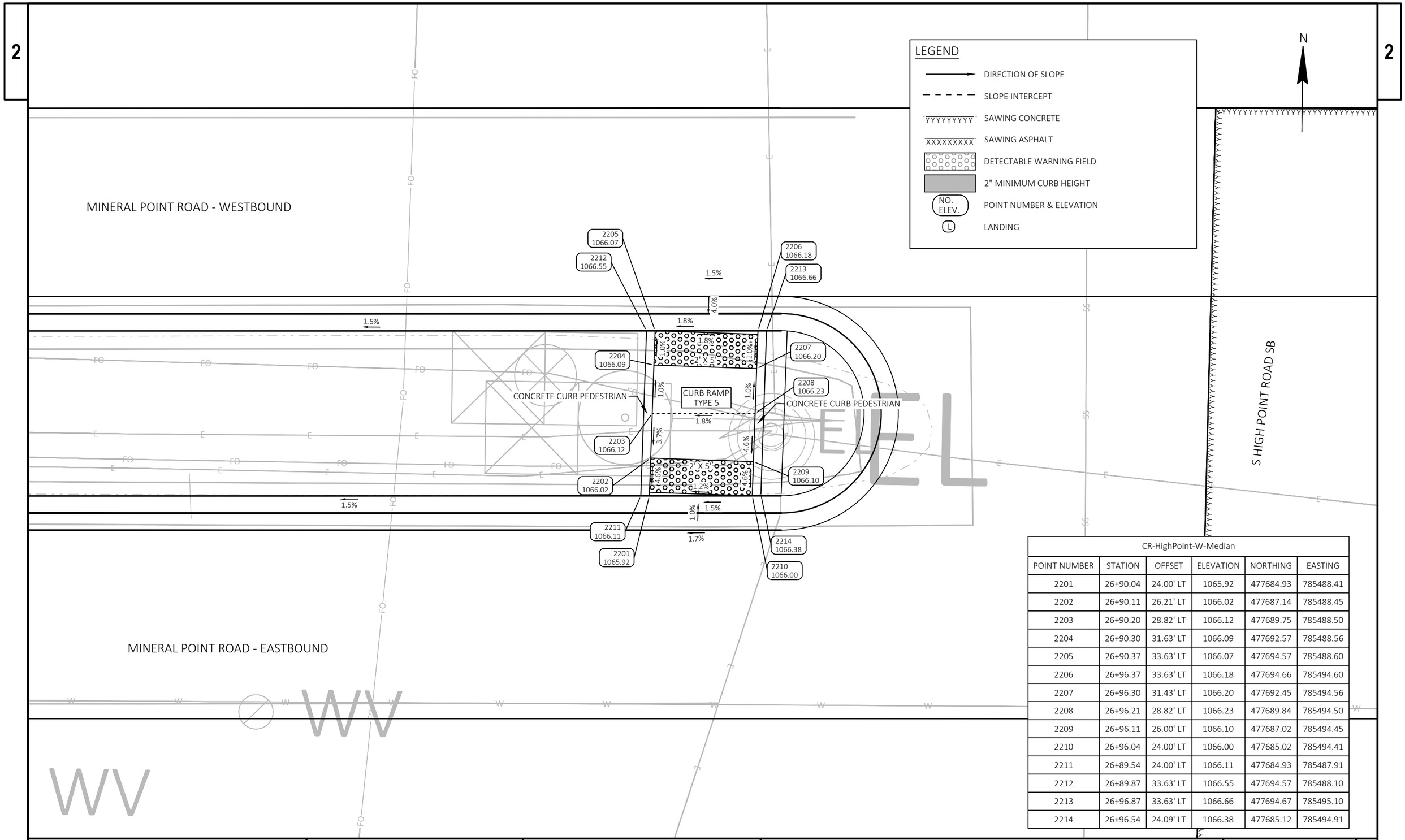
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1401	21+14.35	13.00' LT	1061.26	477665.39	784912.95
1402	21+21.01	21.60' LT	1061.35	477674.09	784919.48
1403	21+37.45	31.32' LT	1061.51	477684.05	784935.77
1404	21+38.85	33.52' LT	1061.50	477686.27	784937.14
1405	21+48.36	33.58' LT	1061.57	477686.47	784946.65
1406	21+43.17	25.41' LT	1061.62	477678.22	784941.58
1407	21+26.40	15.49' LT	1061.36	477668.06	784924.96
1408	21+24.47	13.00' LT	1061.33	477665.54	784923.07
1409	21+13.72	13.00' LT	1061.74	477665.38	784912.32
1410	21+20.68	21.98' LT	1061.84	477674.47	784919.14
1411	21+37.09	31.69' LT	1061.98	477684.41	784935.41
1412	21+38.22	33.48' LT	1061.99	477686.22	784936.52
1413	21+48.95	33.58' LT	1062.06	477686.48	784947.24
1414	21+43.53	25.04' LT	1062.00	477677.86	784941.94
1415	21+26.74	15.11' LT	1061.86	477667.69	784925.30
1417	21+25.10	13.00' LT	1061.83	477665.55	784923.70
1418	21+26.02	15.00' LT	1061.35	477667.56	784924.58
1419	21+46.97	31.39' LT	1061.58	477684.27	784945.29
1420	21+16.29	15.50' LT	1061.28	477667.92	784914.85



1500s					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1501	21+63.34	77.69' LT	1061.96	477730.80	784960.97
1502	21+61.65	75.94' LT	1061.54	477729.02	784959.31
1503	21+65.65	75.71' LT	1061.50	477728.86	784963.31
1504	21+70.85	83.91' LT	1061.71	477737.13	784968.39
1505	21+77.27	79.11' LT	1061.69	477732.43	784974.88
1506	21+73.89	73.77' LT	1061.56	477727.04	784971.57
1507	21+72.77	72.00' LT	1061.52	477725.25	784970.48
1508	21+79.42	70.81' LT	1062.01	477724.16	784977.15
1509	21+79.33	68.37' LT	1061.58	477721.72	784977.10
1510	21+75.73	71.24' LT	1062.00	477724.53	784973.45

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CURB RAMP DETAILS: MINERAL POINT & TREE LN - NE	SHEET 021304-CR	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\021301-CR.DWG
LAYOUT NAME - 04
PLOT DATE : 9/24/2026 12:29 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:5 FT



CR-HighPoint-W-Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2201	26+90.04	24.00' LT	1065.92	477684.93	785488.41
2202	26+90.11	26.21' LT	1066.02	477687.14	785488.45
2203	26+90.20	28.82' LT	1066.12	477689.75	785488.50
2204	26+90.30	31.63' LT	1066.09	477692.57	785488.56
2205	26+90.37	33.63' LT	1066.07	477694.57	785488.60
2206	26+96.37	33.63' LT	1066.18	477694.66	785494.60
2207	26+96.30	31.43' LT	1066.20	477692.45	785494.56
2208	26+96.21	28.82' LT	1066.23	477689.84	785494.50
2209	26+96.11	26.00' LT	1066.10	477687.02	785494.45
2210	26+96.04	24.00' LT	1066.00	477685.02	785494.41
2211	26+89.54	24.00' LT	1066.11	477684.93	785487.91
2212	26+89.87	33.63' LT	1066.55	477694.57	785488.10
2213	26+96.87	33.63' LT	1066.66	477694.67	785495.10
2214	26+96.54	24.09' LT	1066.38	477685.12	785494.91

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CURB RAMP DETAILS: MINERAL POINT & HIGH POINT - WEST MEDIAN	SHEET 021306-CR	47	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\021301-CR.DWG
LAYOUT NAME - 06

PLOT DATE : 9/24/2026 12:29 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

N

USH 12/14 WB ON RAMP

MINERAL POINT ROAD

EXISTING R/W

15+00 16+00 17+00 18+00 19+00 20+00

MATCH LINE 20+50

EXISTING R/W

USH 12/14 WB OFF RAMP

USH 12/14 WB

BLDG

BLDG

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS 1 TYPE B, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40
- TOPSOIL, FERTILIZER TYPE B, SOD LAWN
- INLET PROTECTION TYPE A
- HEAVY RIPRAP

NOTE:

1. EXISTING INLETS IMMEDIATELY DOWNSTREAM OF GROUND DISTURBING ACTIVITIES SHALL BE PROTECTED PRIOR TO STARTING WORK.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	EROSION CONTROL	SHEET 022004-EC	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\022001-EC.DWG
LAYOUT NAME - 022004-EC 04

PLOT DATE : 9/24/2026 12:30 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING R/W

TREE LANE

203+00

202+00

MINERAL POINT ROAD

EXISTING R/W

N

21+00

22+00

23+00

24+00

25+00

26+00

MATCH LINE 26+50

EXISTING R/W

BIG SKY DRIVE

LEGEND

TOPSOIL, EROSION MAT URBAN CLASS 1 TYPE B, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40

TOPSOIL, FERTILIZER TYPE B, SOD LAWN

INLET PROTECTION TYPE A

HEAVY RIPRAP

NOTE:

1. EXISTING INLETS IMMEDIATELY DOWNSTREAM OF GROUND DISTURBING ACTIVITIES SHALL BE PROTECTED PRIOR TO STARTING WORK.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	EROSION CONTROL	SHEET 022005-EC	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\022001-EC.DWG
LAYOUT NAME - 022005-EC 05

PLOT DATE : 9/24/2026 12:30 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

MATCH LINE STA 306+10

306+00

305+00

S HIGH POINT ROAD

EXISTING R/W

MINERAL POINT ROAD

WESTWARD WAY

N

27+00 28+00 29+00 30+00 31+00 32+00

304+00

303+00

S HIGH POINT ROAD

EXISTING R/W

GANSER WAY

MATCH LINE STA 302+65

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS 1 TYPE B, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40
- TOPSOIL, FERTILIZER TYPE B, SOD LAWN
- INLET PROTECTION TYPE A
- HEAVY RIPRAP

NOTE:

1. EXISTING INLETS IMMEDIATELY DOWNSTREAM OF GROUND DISTURBING ACTIVITIES SHALL BE PROTECTED PRIOR TO STARTING WORK.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	EROSION CONTROL	SHEET 022006-EC	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\022001-EC.DWG
LAYOUT NAME - 022006-EC 06
PLOT DATE : 9/24/2026 12:30 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE:

1. EXISTING INLETS IMMEDIATELY DOWNSTREAM OF GROUND DISTURBING ACTIVITIES SHALL BE PROTECTED PRIOR TO STARTING WORK.

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS 1 TYPE B, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40
- TOPSOIL, FERTILIZER TYPE B, SOD LAWN
- INLET PROTECTION TYPE A
- HEAVY RIPRAP

BIG SKY DRIVE

S HIGH POINT ROAD

300+00 301+00 302+00

MATCH LINE STA 302+65

EXISTING R/W

EXISTING R/W

SIGN

MATCH LINE STA 306+10

307+00 308+00 309+00 310+00 311+00

S HIGH POINT ROAD

EXISTING R/W

SILT FENCE

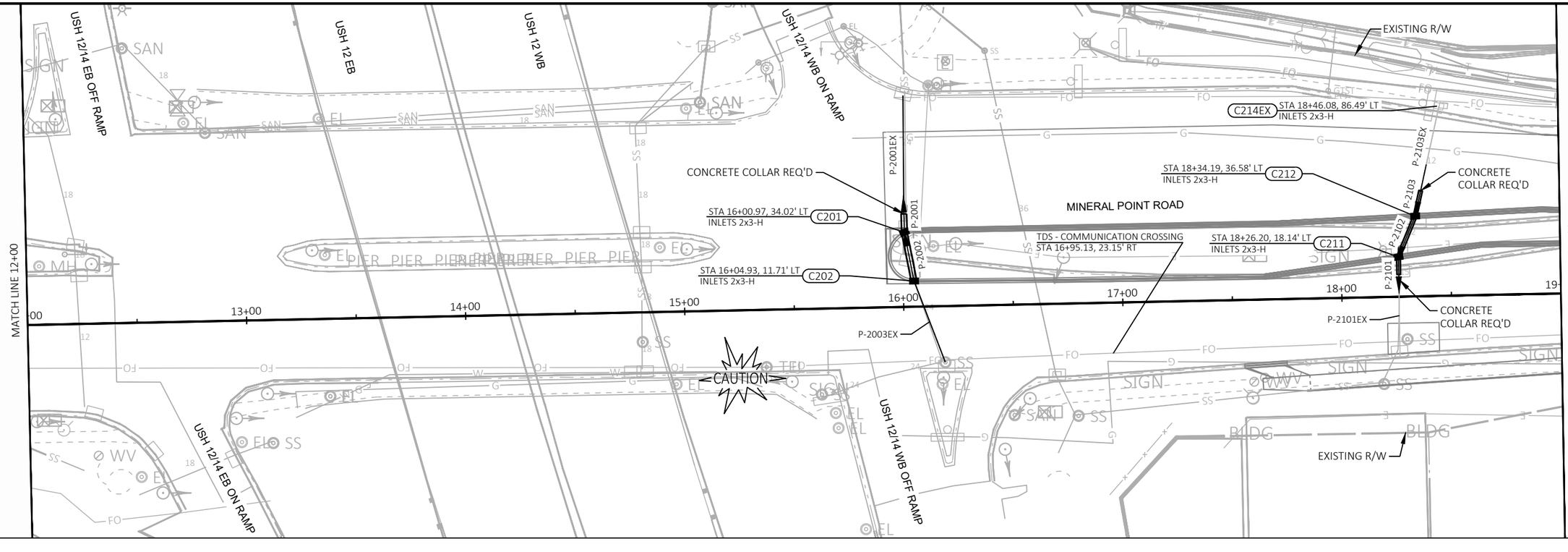
N

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	EROSION CONTROL	SHEET 022007-EC	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\022001-EC.DWG
LAYOUT NAME - 022007-EC 07

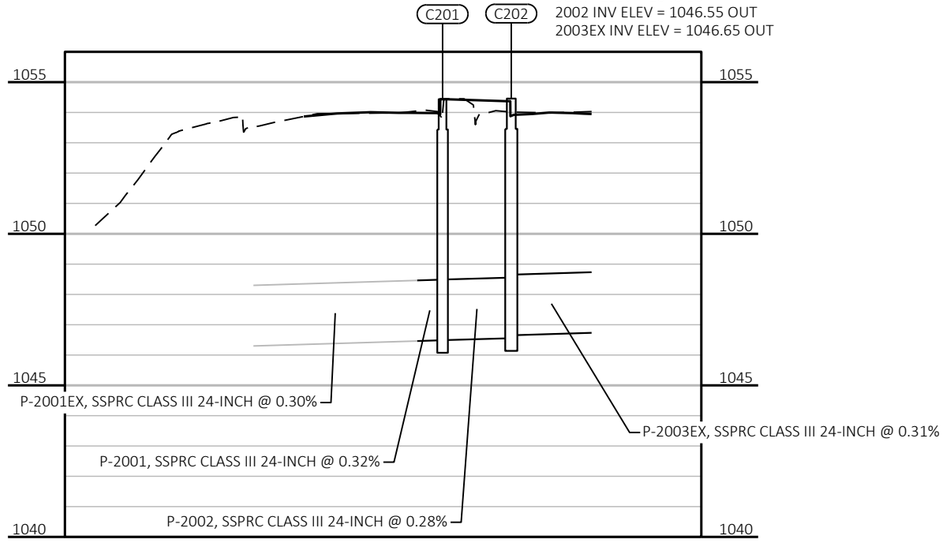
PLOT DATE : 9/24/2026 12:30 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



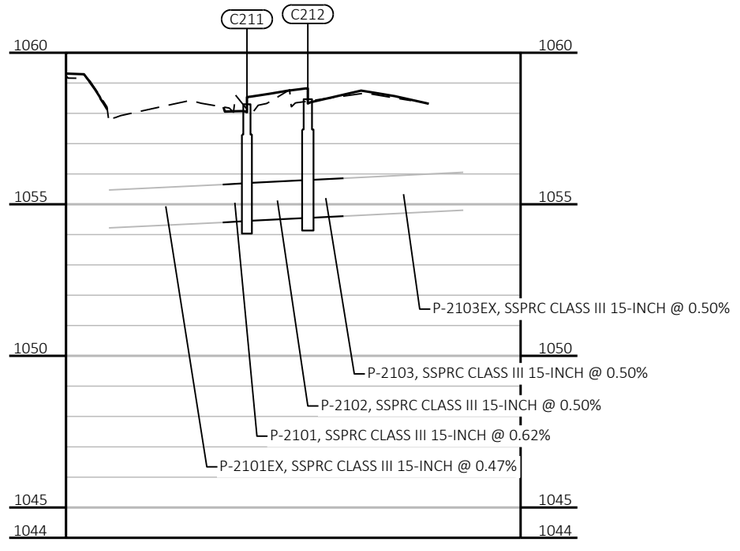
STRUCTURE = C201
STA 16+00.97, -34.02 LT
RIM ELEV = 1054.44
SUMP ELEV = 1046.49
2002 INV ELEV = 1046.49 IN
2001 INV ELEV = 1046.49 OUT

STRUCTURE = C202
STA 16+04.93, -11.71 LT
RIM ELEV = 1054.46
SUMP ELEV = 1046.55
2002 INV ELEV = 1046.55 OUT
2003EX INV ELEV = 1046.65 OUT

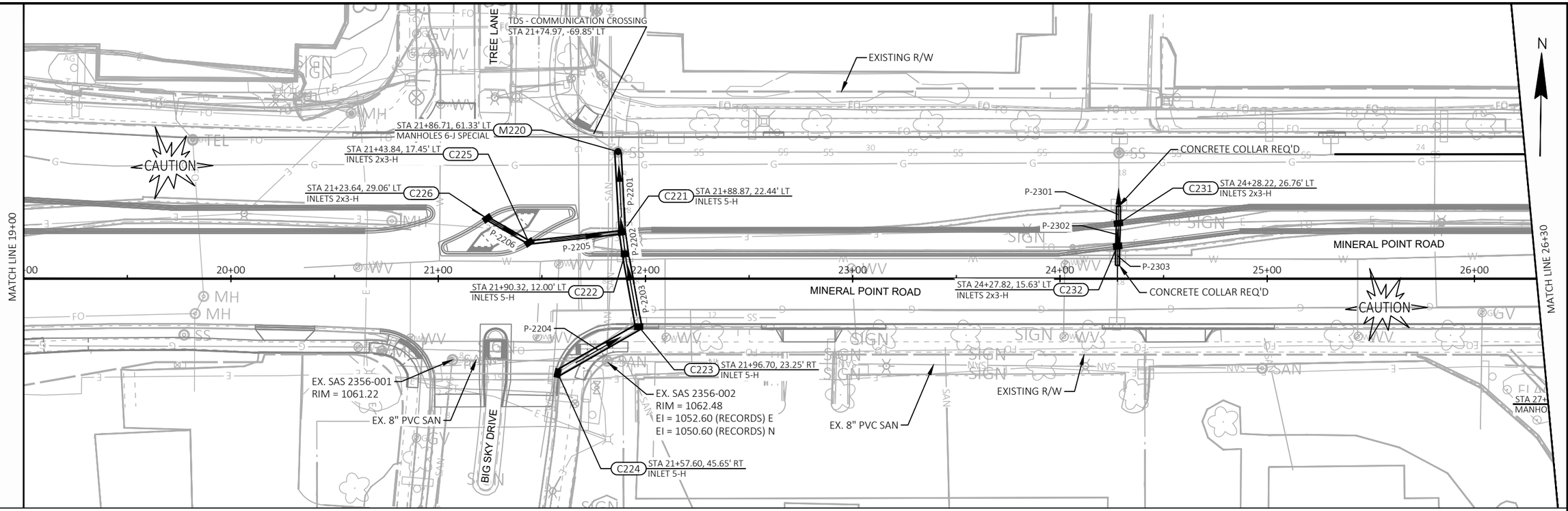


STRUCTURE = C211
STA 18+26.20, -18.14 LT
RIM ELEV = 1058.30
SUMP ELEV = 1054.45
2102 INV ELEV = 1054.45 IN
2101 INV ELEV = 1054.45 OUT

STRUCTURE = C212
STA 18+34.19, -36.58 LT
RIM ELEV = 1058.47
SUMP ELEV = 1054.55
2102 INV ELEV = 1054.55 OUT
2103 INV ELEV = 1054.55 IN



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	STORM SEWER	SHEET 52	E

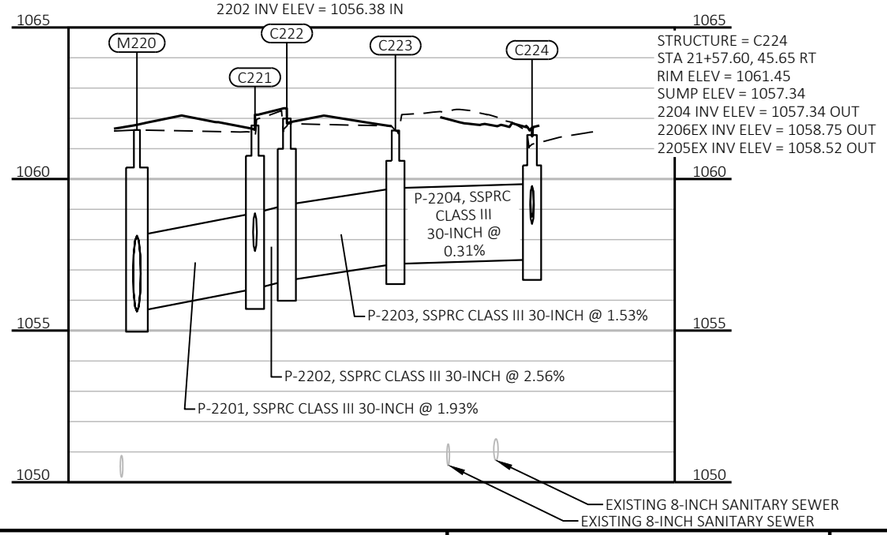


STRUCTURE = M220
STA 21+86.71, -61.33 LT
RIM ELEV = 1061.62
SUMP ELEV = 1055.63
2201 INV ELEV = 1055.63 IN
2200EX INV ELEV = 1055.63 OUT
2201EX INV ELEV = 1055.63 IN

STRUCTURE = C221
STA 21+88.87, -22.44 LT
RIM ELEV = 1061.77
SUMP ELEV = 1056.38
2205 INV ELEV = 1057.62 IN
2201 INV ELEV = 1056.38 OUT
2202 INV ELEV = 1056.38 IN

STRUCTURE = C222
STA 21+90.32, -12.00 LT
RIM ELEV = 1062.00
SUMP ELEV = 1056.65
2202 INV ELEV = 1056.65 OUT
2203 INV ELEV = 1056.65 IN

STRUCTURE = C223
STA 21+96.70, 23.25 RT
RIM ELEV = 1061.60
SUMP ELEV = 1057.20
2203 INV ELEV = 1057.20 OUT
2204 INV ELEV = 1057.20 IN

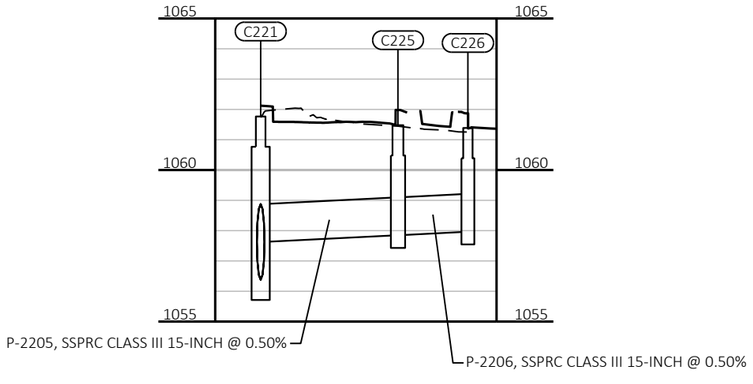


STRUCTURE = C224
STA 21+57.60, 45.65 RT
RIM ELEV = 1061.45
SUMP ELEV = 1057.34
2204 INV ELEV = 1057.34 OUT
2206EX INV ELEV = 1058.75 OUT
2205EX INV ELEV = 1058.52 OUT

STRUCTURE = C221
STA 21+88.87, -22.44 LT
RIM ELEV = 1061.77
SUMP ELEV = 1056.38
2205 INV ELEV = 1057.62 IN
2201 INV ELEV = 1056.38 OUT
2202 INV ELEV = 1056.38 IN

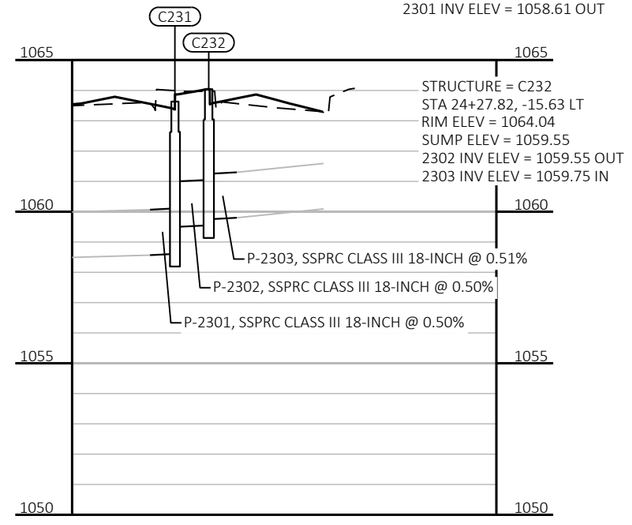
STRUCTURE = C225
STA 21+43.84, -17.45 LT
RIM ELEV = 1061.48
SUMP ELEV = 1057.85
2206 INV ELEV = 1057.85 IN
2205 INV ELEV = 1057.85 OUT

STRUCTURE = C226
STA 21+23.64, -29.06 LT
RIM ELEV = 1061.39
SUMP ELEV = 1057.97
2206 INV ELEV = 1057.97 OUT



STRUCTURE = C231
STA 24+28.22, -26.76 LT
RIM ELEV = 1063.63
SUMP ELEV = 1058.61
2302 INV ELEV = 1059.50 IN
2301 INV ELEV = 1058.61 OUT

STRUCTURE = C232
STA 24+27.82, -15.63 LT
RIM ELEV = 1064.04
SUMP ELEV = 1059.55
2302 INV ELEV = 1059.55 OUT
2303 INV ELEV = 1059.75 IN



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	STORM SEWER	SHEET 53	E

2

N

MATCH LINE 26+30

EXISTING R/W

STA 26+97.85, 216.69' RT
MANHOLES 4-J SPECIAL
M245

STA 27+15.30, 49.35' RT
MANHOLES 6-J SPECIAL
M244

CAUTION

CAUTION

CONCRETE COLLAR REQ'D

CB243
STA 27+20.72, 60.02' LT
CATCH BASIN 6-J SPECIAL

P-2407

P-2405

P-2404

P-2403

STA 0+35.48, 0.00'

P-2406

300+00

301+00

302+00

303+00

304+00

305+00

306

27+00

28+00

S HIGH POINT ROAD

S HIGH POINT ROAD

MINERAL POINT ROAD

MATCH LINE 306+00

EXISTING R/W

STA 27+94.20, 60.19' LT
MANHOLES 6-J SPECIAL
M246

STRUCTURE = M244
STA 27+15.30, 49.35 RT
RIM ELEV = 1066.35
SUMP ELEV = 1062.00
2404 INV ELEV = 1062.25 OUT
2405 INV ELEV = 1062.50 IN
2405EX INV ELEV = 1062.88 IN
2404EX INV ELEV = 1062.88 IN

M244

P-2405, SSPRC CLASS III 24-INCH @ 1.99%

APPROXIMATE
TDS FACILITY
LOCATION

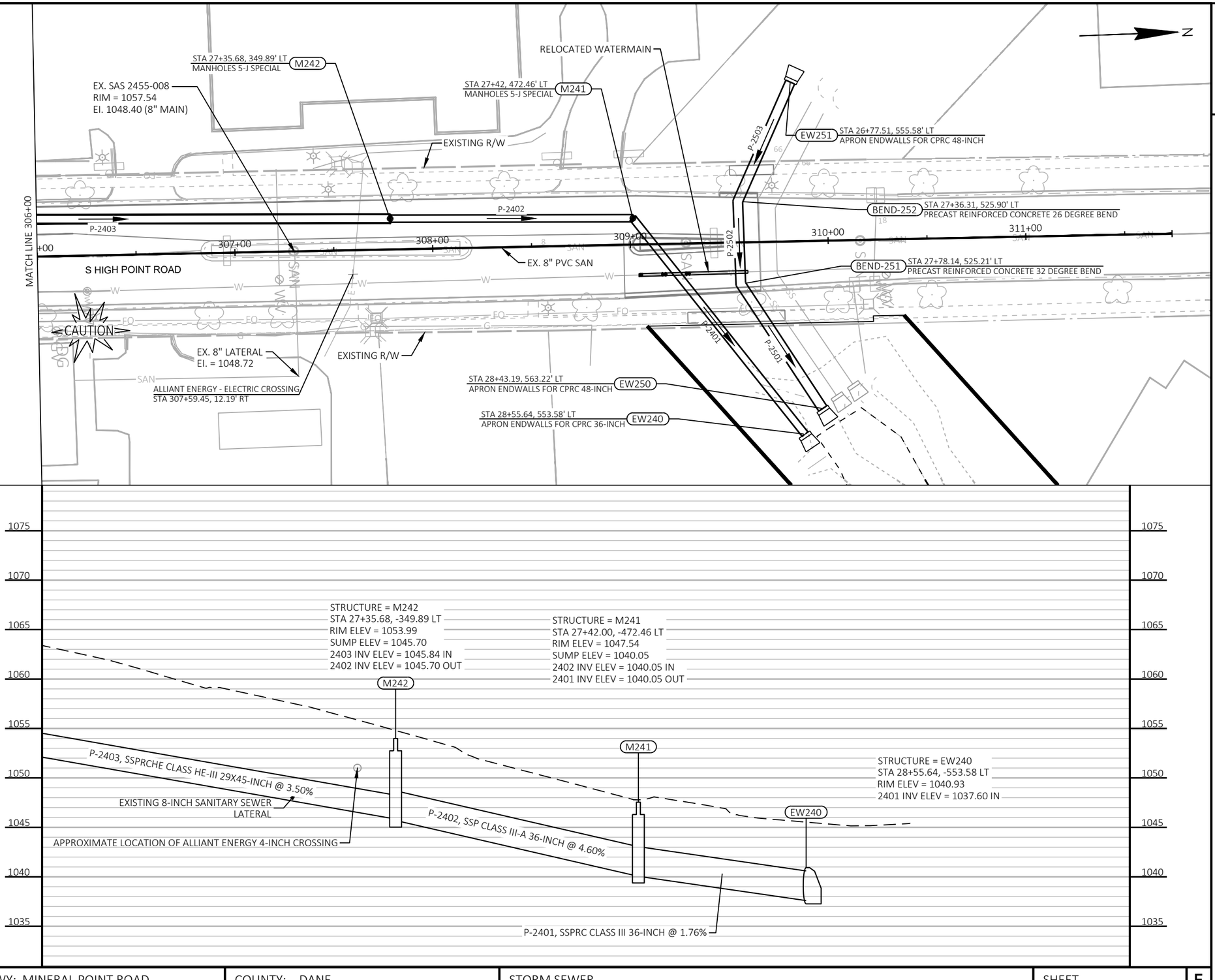
APPROXIMATE
TDS FACILITY
LOCATION

P-2404, SSPRC CLASS III 30-INCH @ 1.14%

P-2403, SSPRCHE CLASS HE-III 29X45-INCH @ 3.50%

1075
1070
1065
1060
1055
1050
1045
1040
1035

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	STORM SEWER	SHEET 54	E

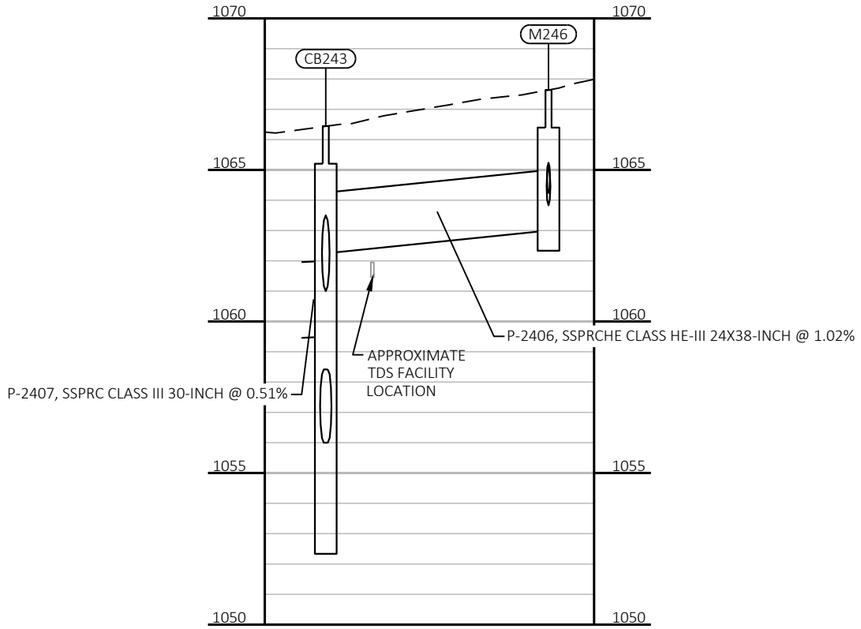


PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	STORM SEWER	SHEET 55	E

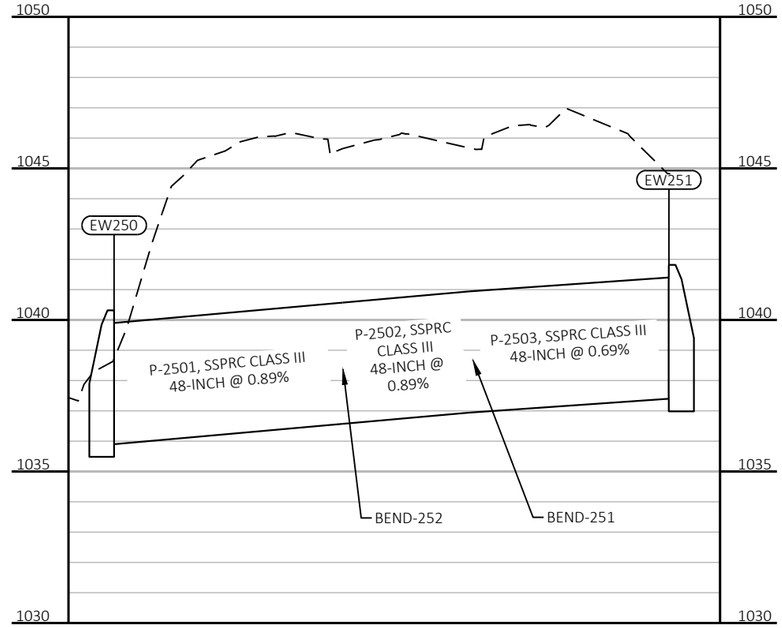
2

STRUCTURE = CB243
STA 27+20.72, -60.02 LT
RIM ELEV = 1066.44
SUMP ELEV = 1053.00
2407 INV ELEV = 1059.50 OUT
2404 INV ELEV = 1061.00 IN
2403 INV ELEV = 1056.00 OUT
2406 INV ELEV = 1062.25 IN

STRUCTURE = M246
STA 27+94.20, -60.19 LT
RIM ELEV = 1067.64
SUMP ELEV = 1063.00
2406 INV ELEV = 1063.00 OUT
2410EX INV ELEV = 1063.83 IN
2411EX INV ELEV = 1064.24 OUT

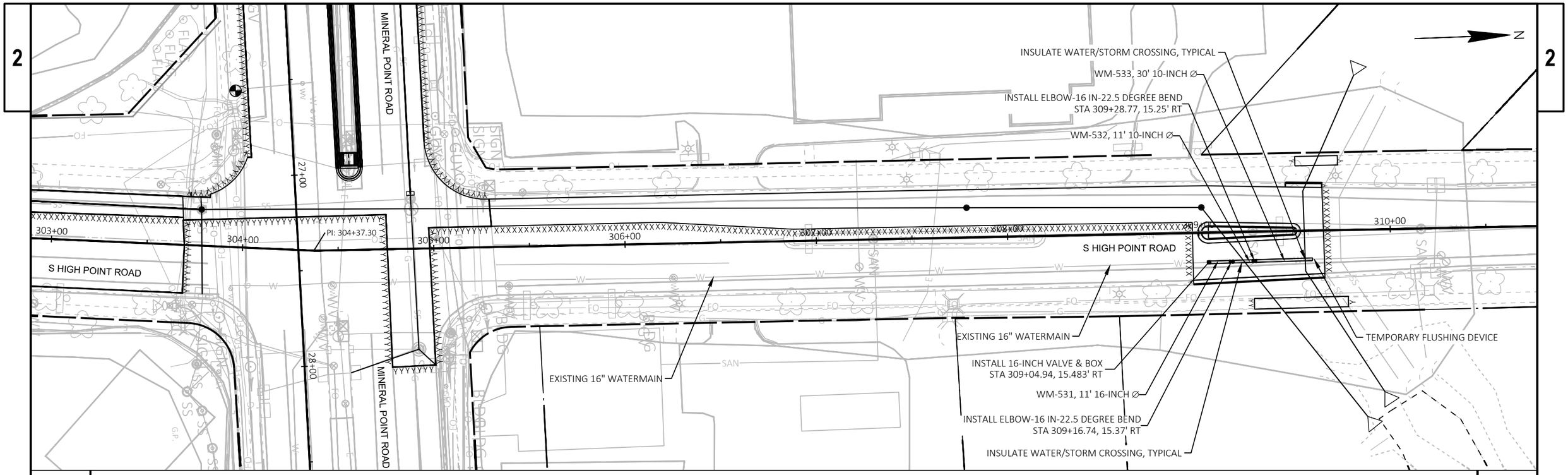


STRUCTURE = EW250
STA 28+43.19, -563.22 LT
RIM ELEV = 1040.32
2501 INV ELEV = 1035.90 IN



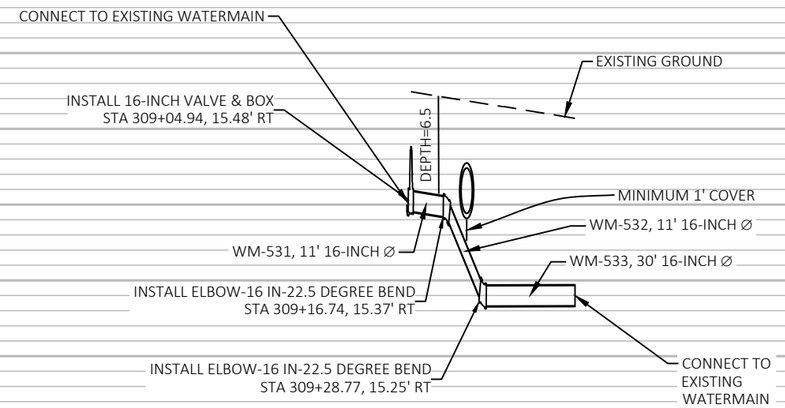
STRUCTURE = EW251
STA 26+77.51, -555.58 LT
RIM ELEV = 1041.82
2503 INV ELEV = 1037.40 OUT

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	STORM SEWER	SHEET 56	E



NOTES:

1. MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
2. INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
3. WM CROSSINGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
4. WM CROSSINGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)
5. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING DEPTH AT ALL CONNECTIONS TO EXISTING WM NOTED ON PLANS.
6. COORDINATE INSPECTION WITH MWU CONSTRUCTION SUPERVISOR JEFF BELSHAW
   CELL: 608-206-3856
   OFFICE: 608-261-9835
   EMAIL: JBELSHAW@MADISONWATER.ORG



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	UTILITY PLAN - WATERMAIN	SHEET 57	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023001-UP-WM.DWG
LAYOUT NAME - 023002-up
PLOT DATE : 9/24/2026 12:30 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 41

2

2

CONSTRUCTION NOTES:

1. REMOVE EXISTING PULL BOX.
   INSTALL ELECTRICAL PULL BOX, TYPE VII.
   INSTALL TYPE D SPLICE CASE.
   Ssplice NEW CABLE TO EXISTING.
   SPLICE PER SPLICE BOX.
2. FURNISH AND INSTALL TERMINATION PANEL IN TRAFFIC SIGNAL CABINET.
   TERMINATE 12-CT FIBER OPTIC CABLE.
3. INSTALL 3" CONDUIT APPROX. 1-FT BEHIND FACE OF CURB.
   INSTALL ELECTRICAL PULL BOX, TYPE V,
   TWO (2) 144-CT FIBER OPTIC CABLE,
   AND #12 AWG TRACER WIRE.

N

USH 12/14 EB OFF RAMP

USH 12/14 WB ON RAMP

MINERAL POINT ROAD

EXISTING CONDUIT & FIBER
REMOVE EXISTING FIBER OPTIC CABLE
ABANDON CONDUIT IN PLACE

STA 12+70, -92.7' LT (2)
CB1

EXISTING CONDUIT & FIBER
144CT FIBER OPTIC TO JUNCTION RD
INSTALL 12 CT FIBER OPTIC IN EXISTING CONDUIT

STA 12+09, 43.6' RT (1)
HH100

N83°33'36"E
145.02'

EXISTING CONDUIT & FIBER
144 CT FIBER TO JUNCTION RD
PROTECT IN PLACE

CAUTION

3" CONDUIT
(2) 144 CT FIBER OPTIC
#12 AWG TRACER WIRE

STA 16+84, 37.0' RT (3)
HH101

3" CONDUIT
(2) 144 CT FIBER OPTIC
#12 AWG TRACER WIRE

R/W

MATCH LINE 19+00

FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX, TYPE V
- ELECTRICAL PULL BOX, TYPE VII
- FIBER OPTIC CONDUIT

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	UTILITY PLAN - FIBER OPTIC	SHEET 58	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023003-UP-FIBER.DWG
LAYOUT NAME - 023001-up-fiber

PLOT DATE : 9/24/2026 12:31 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX, TYPE V
- ELECTRICAL PULL BOX, TYPE VII
- FIBER OPTIC CONDUIT

TREE LANE

R/W

R/W

MATCH LINE 26+30

MATCH LINE 19+00

CAUTION

EXISTING CONDUIT & FIBER
REMOVE FIBER
ABANDON CONDUIT IN PLACE

20+00 21+00 22+00 23+00 24+00 25+00 26+00

MINERAL POINT ROAD

CAUTION

STA 20+48, 27.4' RT
HH102

3" CONDUIT
(2) 144 CT FIBER OPTIC
#12 AWG TRACER WIRE

3" CONDUIT
(2) 144 CT FIBER OPTIC
#12 AWG TRACER WIRE

R/W

R/W

BIG SKY DRIVE

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	UTILITY PLAN - FIBER OPTIC	SHEET 59	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023003-UP-FIBER.DWG
LAYOUT NAME - 023002-up-fiber

PLOT DATE : 9/24/2026 12:31 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 41

2

2

S HIGH POINT ROAD

307+00

306+00

305+00

304+00

303+00

R/W

EXISTING CONDUIT & FIBER
144 CT FIBER TO WHITNEY WAY
PROTECT IN PLACE

MINERAL POINT ROAD

EXISTING CONDUIT & FIBER
REMOVE FIBER
ABANDON CONDUIT IN PLACE

3" CONDUIT
(2) 144 CT FIBER OPTIC
#12 AWG TRACER WIRE

MATCH LINE 26+30

27+00

28+00

29+00

30+00

31+00

STA 26+62.6727.10' RT
HH103

4

STA 303+56, 31.1' LT
HH104

5

EXISTING CONDUIT & FIBER
144 CT FIBER OPTIC (CITY)
48 CT FIBER OPTIC (SNET)
24 CT FIBER OPTIC (WIN)
PROTECT IN PLACE

3" CONDUIT
(2) 144 CT FIBER OPTIC
#12 AWG TRACER WIRE

EXISTING CONDUIT & FIBER
144 CT FIBER
PROTECT IN PLACE

N

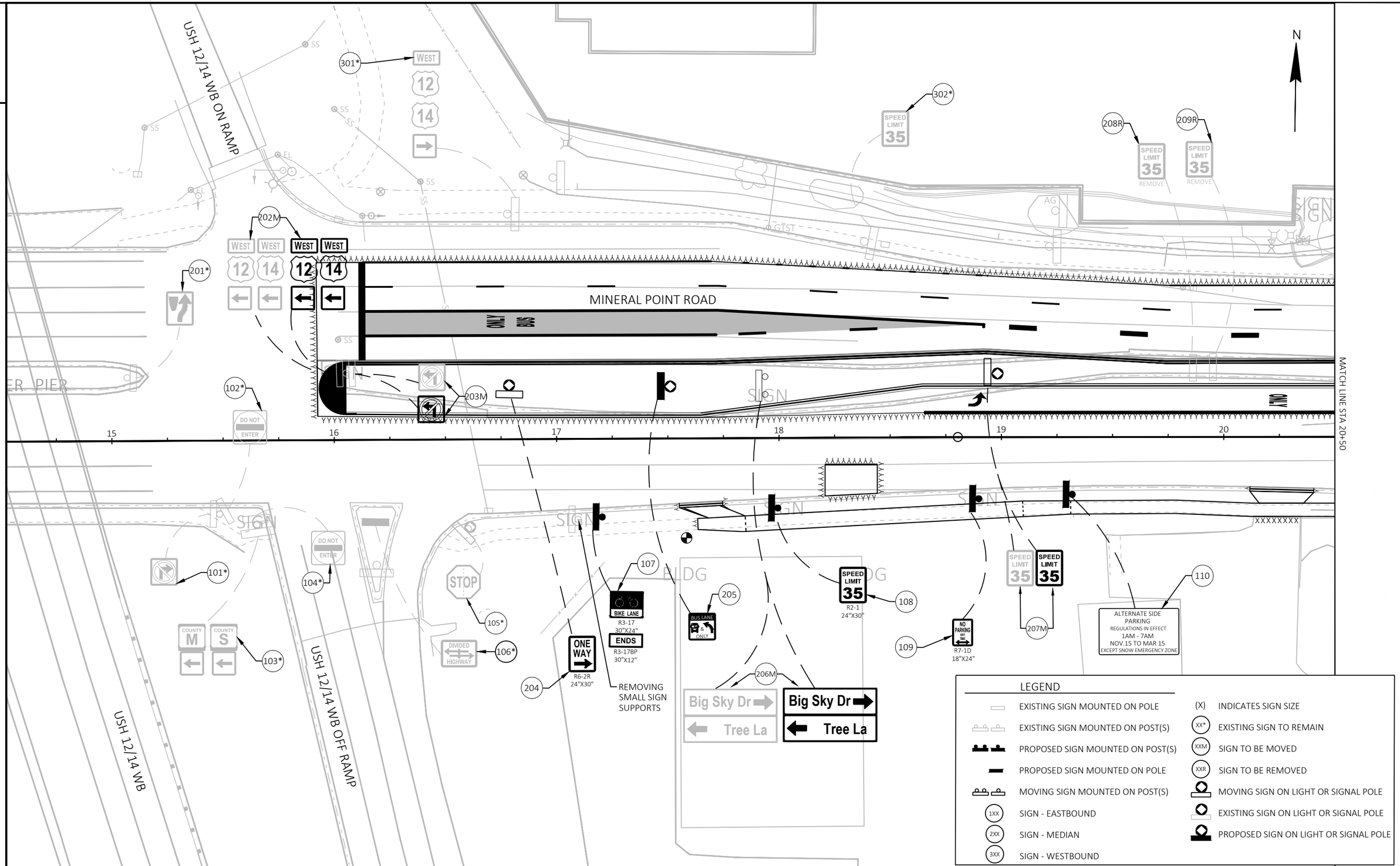
FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX, TYPE V
- ELECTRICAL PULL BOX, TYPE VII
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

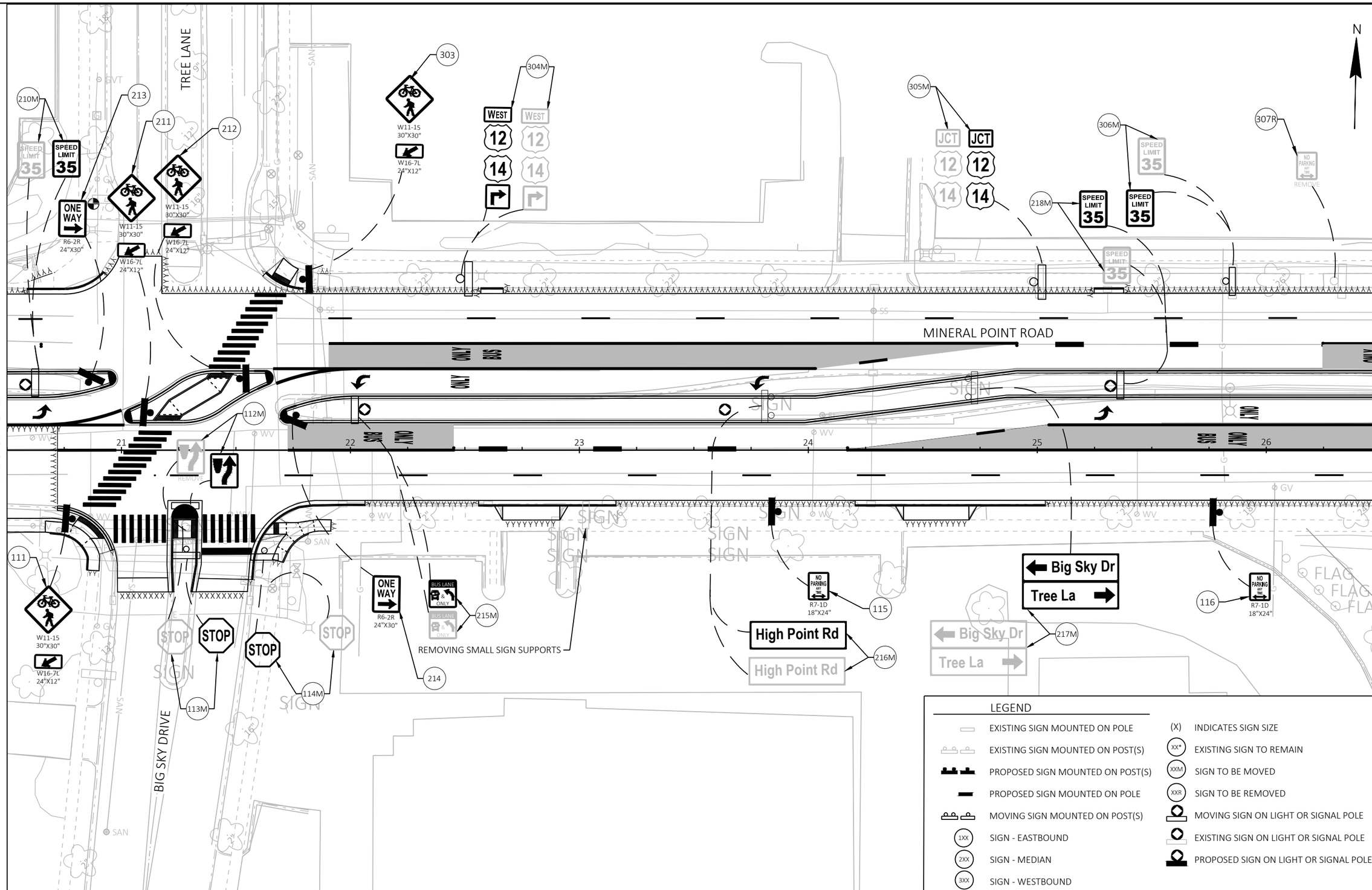
4. INSTALL 3" CONDUIT APPROX. 1-FT BEHIND FACE OF CURB. INSTALL TYPE V HANDHOLE, TWO (2) 144-CT FIBER OPTIC, AND #12 AWG TRACER WIRE.
5. SPLICE NEW FIBER OPTIC CABLE INTO EXISTING SPLICE CASE INSIDE EXISTING TYPE 10 HANDHOLE.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	UTILITY PLAN - FIBER OPTIC	SHEET 60	E



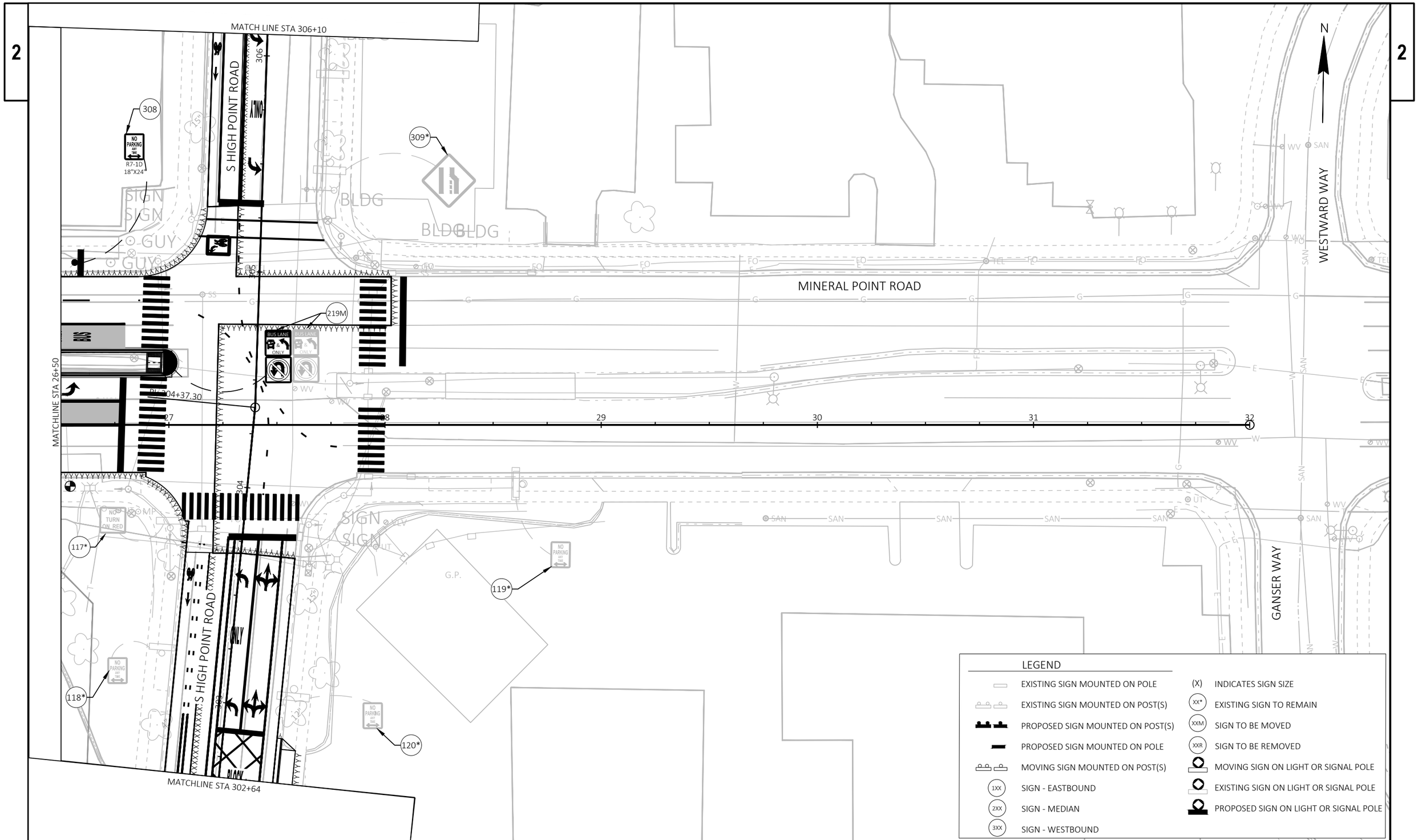
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET 61	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023201-PS.DWG
LAYOUT NAME - 023201-ps
PLOT DATE : 9/24/2026 12:31 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET 62	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023201-PS.DWG
LAYOUT NAME - 023202-ps
PLOT DATE : 9/24/2026 12:31 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 41



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET 63	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023201-PS.DWG
LAYOUT NAME - 021203-ps
PLOT DATE : 9/24/2026 12:31 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POLE
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE
- MOVING SIGN MOUNTED ON POST(S)
- 1XX SIGN - EASTBOUND
- 2XX SIGN - MEDIAN
- 3XX SIGN - WESTBOUND
- (X) INDICATES SIGN SIZE
- XX* EXISTING SIGN TO REMAIN
- XXM SIGN TO BE MOVED
- XXR SIGN TO BE REMOVED
- MOVING SIGN ON LIGHT OR SIGNAL POLE
- EXISTING SIGN ON LIGHT OR SIGNAL POLE
- PROPOSED SIGN ON LIGHT OR SIGNAL POLE

N

BP: 299+15.86

300 301 302

S HIGH POINT ROAD

SIGNAL

504* SPEED LIMIT 30

401 DO NOT BLOCK DRIVEWAY

MATCH LINE STA 302+65

2

MATCH LINE STA 306+10

503* LEFT LANE MUST TURN LEFT

N

EP: 311+73.93

307 308 309 310 311

S HIGH POINT ROAD

501* LEFT LANE MUST TURN LEFT

402*

502M

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET 64	E

GENERAL STREET LIGHTING NOTES:

1. ALL LIGHTING WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST APPROVED WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, REVISIONS THEREOF OR ADDITIONS THERETO, SPECIAL PROVISIONS, AND STANDARD DETAIL DRAWINGS.
2. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NESC), AND ALL LOCAL CODES AND REGULATIONS.
3. ALL MATERIAL, ELECTRICAL DEVICES AND EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AND SHALL BE UL APPROVED AND LABELED UNLESS OTHERWISE SPECIFIED.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS / CATALOG CUTS FOR ALL LIGHTING EQUIPMENT TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
5. PRIOR TO THE BEGINNING OF WORK, ALL LOCATIONS OF CONCRETE BASES, PULL BOXES, ELECTRICAL CONTROL EQUIPMENT, AND CONDUIT RUNS MUST BE STAKED OUT AND APPROVED BY THE PROJECT ENGINEER.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. IN addition, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
7. NO SPLICES ALLOWED IN PULL BOXES.
8. ALL LIGHTING UNITS, INCLUDING THE HIGH MAST TOWERS ARE TO BE WIRED 240V PHASE TO PHASE.

N

USH 12/14WB ON RAMP

MINERAL POINT ROAD

EXISTING LIGHTING TO REMAIN IN PLACE

EXISTING LIGHTING TO REMAIN IN PLACE

EXISTING R/W

STA 17+51.27, -23.43' LT
5 - LP102

STA 18+98.22, -28.65' LT
5 - LP103

PI: 18+80.40

15 FT ARM
15 FT ARM
15 FT ARM
15 FT ARM
8 FT ARM
8 FT ARM

STA 16+22.84, -23.57' LT
5 - LP101

EXISTING LIGHTING TO REMAIN IN PLACE

EXISTING LIGHT TO REMAIN IN PLACE

EXISTING R/W

USH 12/14 WB

USH 12/14 WB OFF RAMP

MATCHLINE STA 20+50

CONSTRUCTION NOTES:

1. ALL LOCATIONS ARE APPROXIMATE, TO BE FIELD LOCATED BY THE ENGINEER.
2. MAINTAIN CONSISTENT PLACEMENT CENTERED IN THE MEDIAN FOR POLE LOCATION.
3. EXISTING LIGHTING SYSTEMS IMPACTED BY PROJECT TO BE RECONNECTED AND FULLY RESTORED

LIGHTING PLAN LEGEND

- CONCRETE CONTROL CABINET BASE/ LIGHTING CABINET, 120/240V (24-INCH)
- LIGHTING UNIT, SINGLE ARM
- LIGHTING UNIT, TWIN ARM
- 2-INCH RIGID SCHEDULE 40 NONMETALLIC CONDUIT (INSTALL TWO SCHEDULE 80 NONMETALLIC CONDUITS BELOW ROADWAYS, ONE AS A SPARE)

STA. XXX+XX.XX, XX.X' XT-LOCATION (TO CENTER OF BASE)
X - LPXXX

- STATION
- OFFSET
- LIGHTING UNIT NUMBER
- CONCRETE BASE TYPE

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 65	E

GENERAL STREET LIGHTING NOTES:

1. ALL LIGHTING WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST APPROVED WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, REVISIONS THEREOF OR ADDITIONS THERETO, SPECIAL PROVISIONS, AND STANDARD DETAIL DRAWINGS.
2. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NESC), AND ALL LOCAL CODES AND REGULATIONS.
3. ALL MATERIAL, ELECTRICAL DEVICES AND EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AND SHALL BE UL APPROVED AND LABELED UNLESS OTHERWISE SPECIFIED.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS / CATALOG CUTS FOR ALL LIGHTING EQUIPMENT TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
5. PRIOR TO THE BEGINNING OF WORK, ALL LOCATIONS OF CONCRETE BASES, PULL BOXES, ELECTRICAL CONTROL EQUIPMENT, AND CONDUIT RUNS MUST BE STAKED OUT AND APPROVED BY THE PROJECT ENGINEER.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
7. NO SPLICES ALLOWED IN PULL BOXES.
8. ALL LIGHTING UNITS, INCLUDING THE HIGH MAST TOWERS ARE TO BE WIRED 240V PHASE TO PHASE.

N

TREE LANE

MINERAL POINT ROAD

BIG SKY DRIVE

MATCHLINE STA 20+50

MATCHLINE STA 26+50

STA 20+58.04, -28.72' LT
5 - LP104
8 FT ARM
8 FT ARM

STA 22+06.21, -17.72' LT
5 - LP105
8 FT ARM
8 FT ARM

STA 23+63.67, -17.75' LT
5 - LP106
8 FT ARM
8 FT ARM

STA 25+32.18, -27.97' LT
5 - LP107
8 FT ARM
8 FT ARM

121+00 122+00 123+00 124+00 126+00

21+00 22+00 23+00 24+00 25+00 26+00

CONSTRUCTION NOTES:

1. ALL LOCATIONS ARE APPROXIMATE, TO BE FIELD LOCATED BY THE ENGINEER.
2. MAINTAIN CONSISTENT PLACEMENT CENTERED IN THE MEDIAN FOR POLE LOCATION.
3. EXISTING LIGHTING SYSTEMS IMPACTED BY PROJECT TO BE RECONNECTED AND FULLY RESTORED

LIGHTING PLAN LEGEND

- CONCRETE CONTROL CABINET BASE/ LIGHTING CABINET, 120/240V (24-INCH)
- LIGHTING UNIT, SINGLE ARM
- LIGHTING UNIT, TWIN ARM
- 2-INCH RIGID SCHEDULE 40 NONMETALLIC CONDUIT (INSTALL TWO SCHEDULE 80 NONMETALLIC CONDUITS BELOW ROADWAYS, ONE AS A SPARE)

STA. XXX+XX.XX, XX.X' XT-LOCATION (TO CENTER OF BASE)
X - LPXXX

- STATION
- OFFSET
- LIGHTING UNIT NUMBER
- CONCRETE BASE TYPE

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 66	E

GENERAL STREET LIGHTING NOTES:

1. ALL LIGHTING WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST APPROVED WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, REVISIONS THEREOF OR ADDITIONS THERETO, SPECIAL PROVISIONS, AND STANDARD DETAIL DRAWINGS.
2. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NESC), AND ALL LOCAL CODES AND REGULATIONS.
3. ALL MATERIAL, ELECTRICAL DEVICES AND EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AND SHALL BE UL APPROVED AND LABELED UNLESS OTHERWISE SPECIFIED.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS / CATALOG CUTS FOR ALL LIGHTING EQUIPMENT TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
5. PRIOR TO THE BEGINNING OF WORK, ALL LOCATIONS OF CONCRETE BASES, PULL BOXES, ELECTRICAL CONTROL EQUIPMENT, AND CONDUIT RUNS MUST BE STAKED OUT AND APPROVED BY THE PROJECT ENGINEER.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. IN addition, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
7. NO SPLICES ALLOWED IN PULL BOXES.
8. ALL LIGHTING UNITS, INCLUDING THE HIGH MAST TOWERS ARE TO BE WIRED 240V PHASE TO PHASE.

EXISTING LIGHT TO REMAIN IN PLACE

EXISTING LIGHT TO REMAIN IN PLACE

EXISTING LIGHT TO REMAIN IN PLACE

LIGHT TO BE REPLACED WITH TRAFFIC SIGNAL (SEE SIGNAL PLAN)

MATCHLINE STA 26+50

S HIGH POINT ROAD

MINERAL POINT ROAD

WESTWARD WAY

GANSER WAY

S HIGH POINT ROAD

G.P.

N

CONSTRUCTION NOTES:

1. ALL LOCATIONS ARE APPROXIMATE, TO BE FIELD LOCATED BY THE ENGINEER.
2. MAINTAIN CONSISTENT PLACEMENT CENTERED IN THE MEDIAN FOR POLE LOCATION.
3. EXISTING LIGHTING SYSTEMS IMPACTED BY PROJECT TO BE RECONNECTED AND FULLY RESTORED

LIGHTING PLAN LEGEND

- CONCRETE CONTROL CABINET BASE/ LIGHTING CABINET, 120/240V (24-INCH)
- LIGHTING UNIT, SINGLE ARM
- LIGHTING UNIT, TWIN ARM
- 2-INCH RIGID SCHEDULE 40 NONMETALLIC CONDUIT (INSTALL TWO SCHEDULE 80 NONMETALLIC CONDUITS BELOW ROADWAYS, ONE AS A SPARE)

STA. XXX+XX.XX, XX.X' XT-LOCATION (TO CENTER OF BASE)
X - LPXXX
STATION
OFFSET
LIGHTING UNIT NUMBER
CONCRETE BASE TYPE

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 67	E

2

N

USH 12/14 WB ON RAMP

USH 12/14 WB

USH 12/14 WB OFF RAMP

MINERAL POINT ROAD

EXISTING R/W

STA 16+14.44, -115.83' LT

STA 18+73.07, -80.81' LT

STA 16+69.16, 38.29' RT

STA 18+69.54, 40.09' RT

115+00 116+00 117+00 118+00 119+00 120+00

15+00 16+00 17+00 18+00 19+00 20+00

MATCHLINE STA 20+50

CONSTRUCTION NOTES:

1. REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS. MAINTAIN EXISTING LIGHTING AS SHOWN UNTIL NEW LIGHTING IS IN PLACE.
2. ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING SYSTEM MINERAL POINT ROAD

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SIGNAL POLE (SEE TEMPORARY SIGNALS)
- OH — TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINARIE
- EXISTING LIGHT MAINTAINED DURING CONSTRUCTION

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY LIGHTING PLANS	SHEET 68	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023603-LP TEMP.DWG
LAYOUT NAME - 04

PLOT DATE : 9/24/2026 12:31 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

TREE LANE

MINERAL POINT ROAD

BIG SKY DRIVE

MATCHLINE STA 20+50

MATCHLINE STA 26+50

STA 20+75.74, -74.37' LT

5 - LP104

STA 21+79.46, -76.86' LT

STA 24+60.88, -73.69' LT

5 - LP105

121+00 122+00 123+00 124+00 126+00

21+00 22+00 23+00 24+00 25+00 26+00

STA 20+55.98, 27.41' RT

STA 21+75.43, 29.52' RT

STA 24+83.21, 27.78' RT

CONSTRUCTION NOTES:

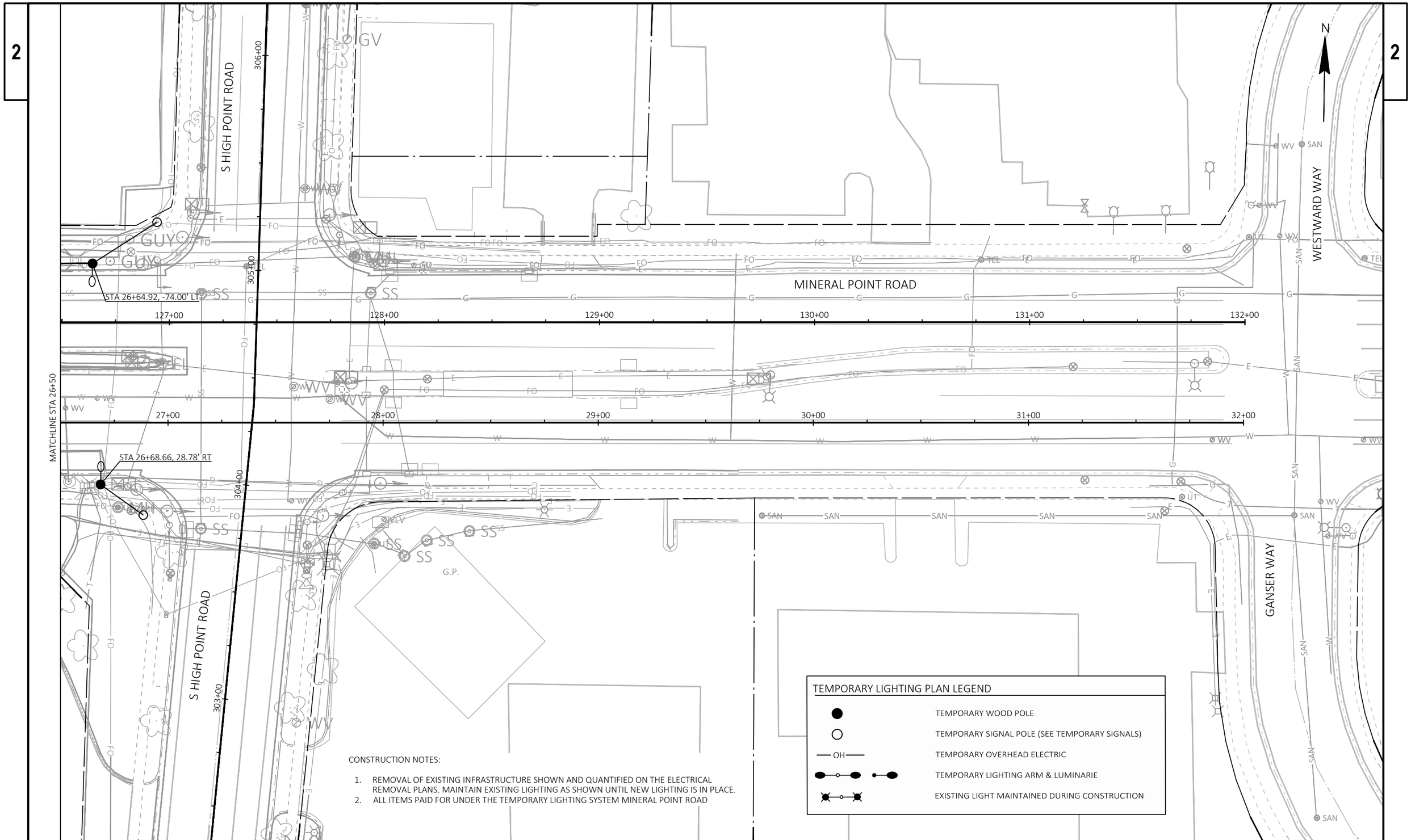
1. REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS. MAINTAIN EXISTING LIGHTING AS SHOWN UNTIL NEW LIGHTING IS IN PLACE.
2. ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING SYSTEM MINERAL POINT ROAD

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SIGNAL POLE (SEE TEMPORARY SIGNALS)
- OH — TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINARIE
- EXISTING LIGHT MAINTAINED DURING CONSTRUCTION

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY LIGHTING PLANS	SHEET 69	E

2



CONSTRUCTION NOTES:

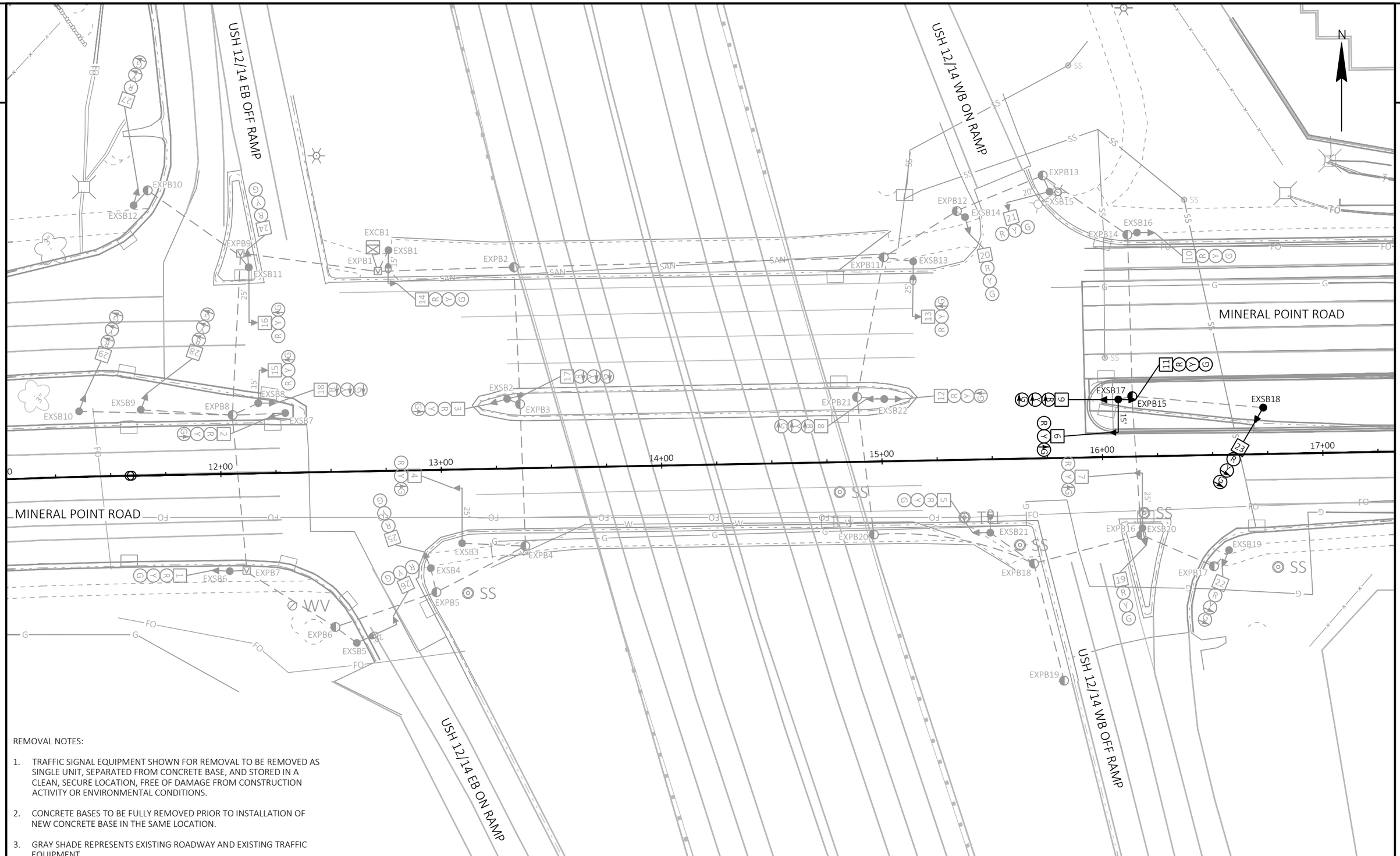
1. REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS. MAINTAIN EXISTING LIGHTING AS SHOWN UNTIL NEW LIGHTING IS IN PLACE.
2. ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING SYSTEM MINERAL POINT ROAD

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SIGNAL POLE (SEE TEMPORARY SIGNALS)
- OH — TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINARIE
- EXISTING LIGHT MAINTAINED DURING CONSTRUCTION

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY LIGHTING PLANS	SHEET 70	E

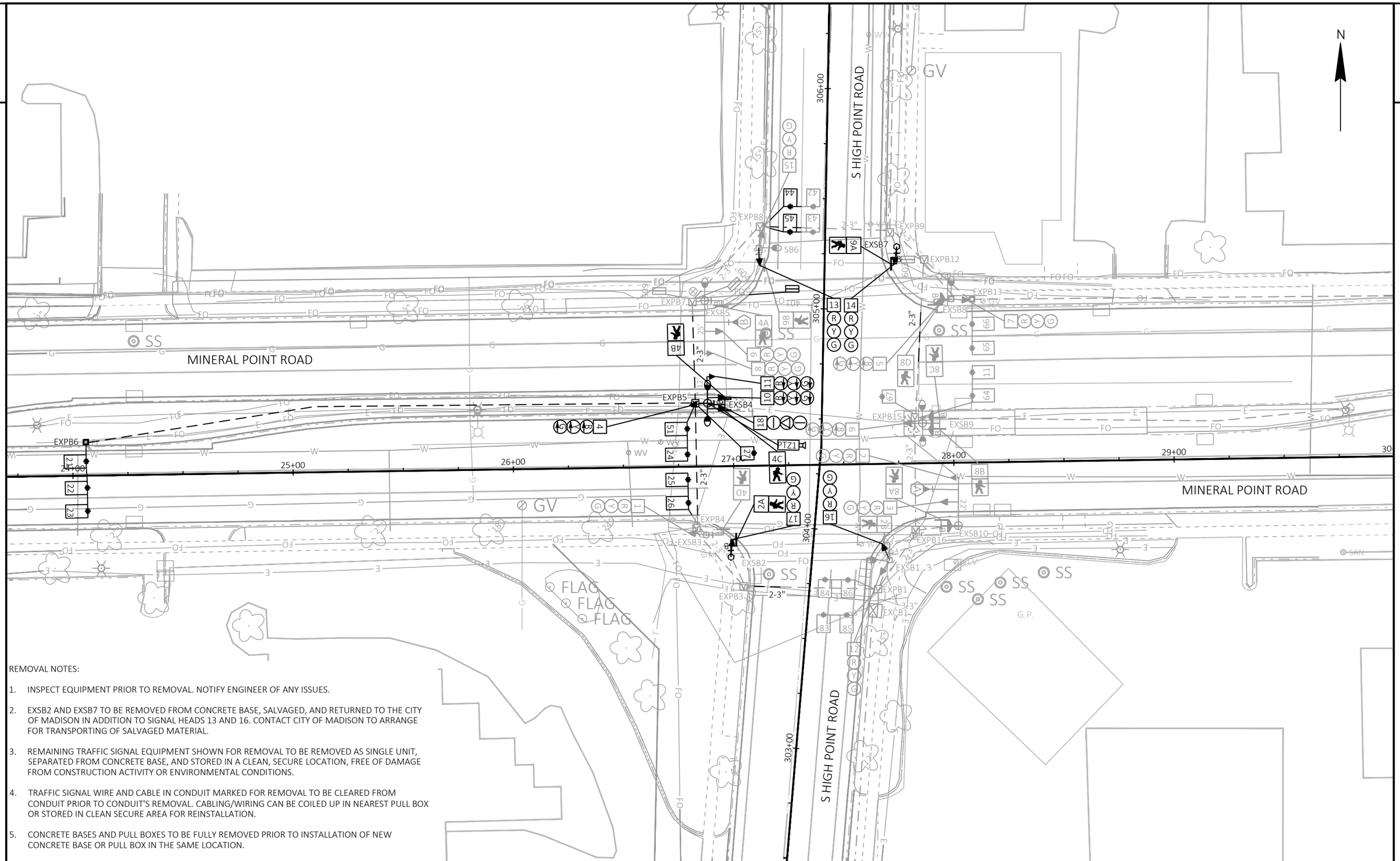
FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\023603-LP TEMP.DWG
LAYOUT NAME - 06
PLOT DATE : 9/24/2026 12:31 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



REMOVAL NOTES:

1. TRAFFIC SIGNAL EQUIPMENT SHOWN FOR REMOVAL TO BE REMOVED AS SINGLE UNIT, SEPARATED FROM CONCRETE BASE, AND STORED IN A CLEAN, SECURE LOCATION, FREE OF DAMAGE FROM CONSTRUCTION ACTIVITY OR ENVIRONMENTAL CONDITIONS.
2. CONCRETE BASES TO BE FULLY REMOVED PRIOR TO INSTALLATION OF NEW CONCRETE BASE IN THE SAME LOCATION.
3. GRAY SHADE REPRESENTS EXISTING ROADWAY AND EXISTING TRAFFIC EQUIPMENT.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 71	E



REMOVAL NOTES:

1. INSPECT EQUIPMENT PRIOR TO REMOVAL. NOTIFY ENGINEER OF ANY ISSUES.
2. EXSB2 AND EXSB7 TO BE REMOVED FROM CONCRETE BASE, SALVAGED, AND RETURNED TO THE CITY OF MADISON IN ADDITION TO SIGNAL HEADS 13 AND 16. CONTACT CITY OF MADISON TO ARRANGE FOR TRANSPORTING OF SALVAGED MATERIAL.
3. REMAINING TRAFFIC SIGNAL EQUIPMENT SHOWN FOR REMOVAL TO BE REMOVED AS SINGLE UNIT, SEPARATED FROM CONCRETE BASE, AND STORED IN A CLEAN, SECURE LOCATION, FREE OF DAMAGE FROM CONSTRUCTION ACTIVITY OR ENVIRONMENTAL CONDITIONS.
4. TRAFFIC SIGNAL WIRE AND CABLE IN CONDUIT MARKED FOR REMOVAL TO BE CLEARED FROM CONDUIT PRIOR TO CONDUIT'S REMOVAL. CABLING/WIRING CAN BE COILED UP IN NEAREST PULL BOX OR STORED IN CLEAN SECURE AREA FOR REINSTALLATION.
5. CONCRETE BASES AND PULL BOXES TO BE FULLY REMOVED PRIOR TO INSTALLATION OF NEW CONCRETE BASE OR PULL BOX IN THE SAME LOCATION.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 72	E

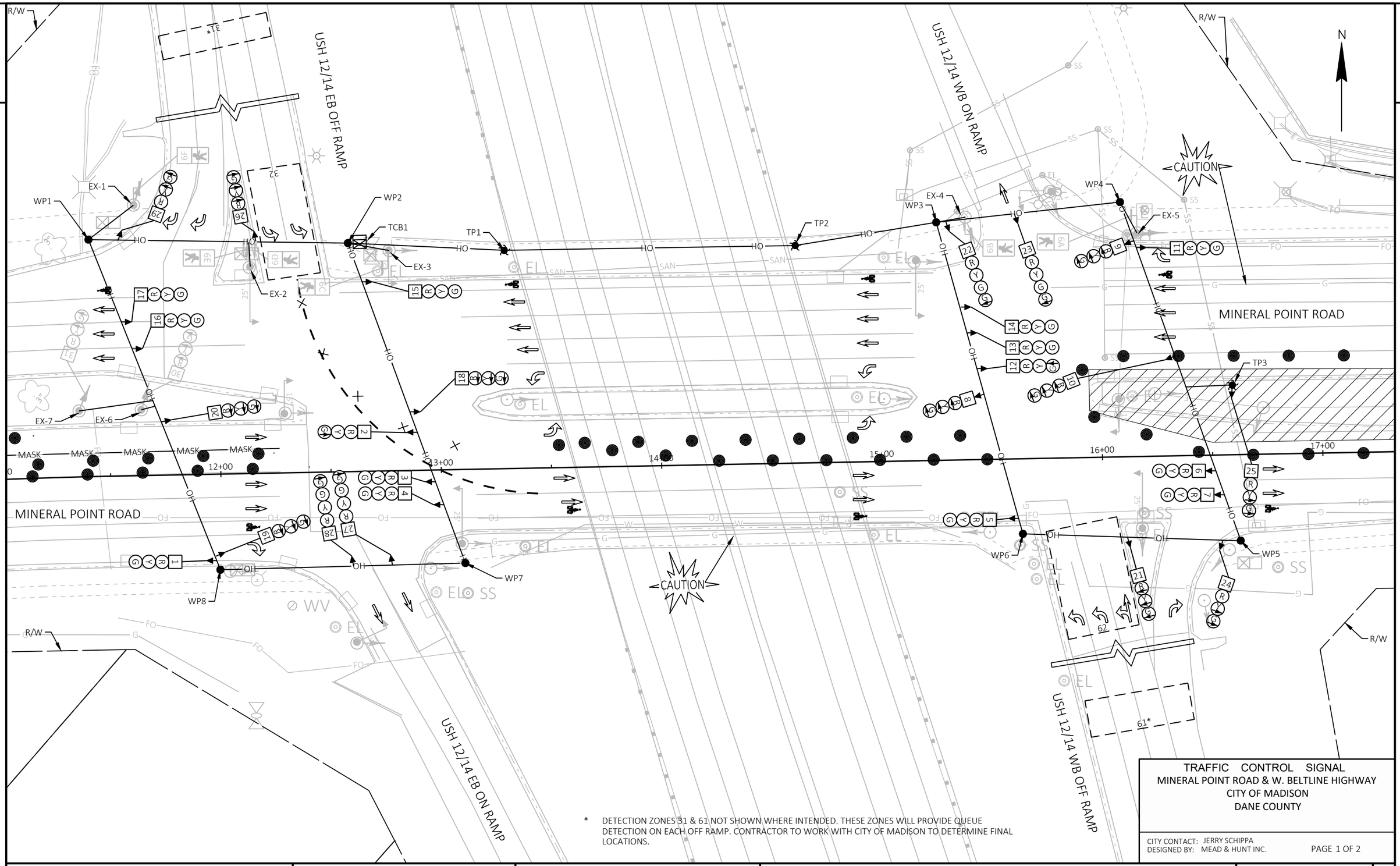
TEMPORARY SIGNAL GENERAL/CONSTRUCTION NOTES:

1. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
2. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS TO BE APPROVED BY THE ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. TEMPORARY TRAFFIC SIGNAL CABINET SHALL BE INSTALLED ADJACENT TO EXISTING CABINET AND BE FIBER READY FOR REMOTE ACCESS / COMMUNICATION BY CITY. CITY WILL BE RESPONSIBLE FOR MAKING THE FIBER CONNECTION. CONTACT CITY A MINIMUM OF TWO WEEKS (10 BUSINESS DAYS) AHEAD OF TEMPORARY SIGNAL CUTOVER TO MAKE FINAL ARRANGEMENTS FOR FIBER TERMINATION.
5. ADJUST TEMPORARY SIGNALS WITHIN EACH STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN WMUTCD SIGNAL REQUIREMENTS.
6. CONTRACTOR TO SUPPLY & INSTALL NON-INTRUSIVE DETECTION AND EMERGENCY VEHICLE PREEMPTION SYSTEMS IN LOCATIONS TO MAXIMIZE EFFECTIVENESS BASED ON FINAL POLE LOCATIONS APPROVED BY THE ENGINEER. ADDITIONAL POLES MAY BE NECESSARY TO PROVIDE FULLY FUNCTIONING SYSTEM.
7. ADJUST DETECTION ZONES AS REQUIRED BY THE ENGINEER TO ACCOUNT FOR CHANGES IN LANE CONFIGURATION.
8. ALL LENSES ARE 12-INCH LED.
9. BAG SIGNAL HEADS IMMEDIATELY WHEN NOT IN USE. THIS INCLUDES ANY EXISTING TRAFFIC SIGNAL HEADS THAT ARE NOT SCHEDULED FOR REMOVAL OR USE AS PART OF THE TEMPORARY TRAFFIC SIGNAL.
10. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. INSTALL TEMPORARY TRAFFIC SIGNAL AND MAKE OPERATIONAL PRIOR TO THE REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT.
13. PLANS INCLUDE USE OF EXISTING PEDESTRIAN SIGNAL FACES AND PUSH BUTTONS (INCLUDING APS PUSH BUTTONS). CONTRACTOR TO PHOTO DOCUMENT AND NOTIFY CITY OF ANY ISSUES OR EXISTING DAMAGE TO THIS EQUIPMENT PRIOR TO TYING IT INTO THE TEMPORARY SIGNAL SYSTEM. CONTRACTOR TO ENSURE DROP WIRE ACCESS POINT IS SEALED TIGHT TO AVOID ENVIRONMENTAL DAMAGE TO THE EXISTING SIGNAL EQUIPMENT.
14. EXISTING SIGNAL EQUIPMENT SHOWN IN GRAYSHADE.

LEGEND

- OH — SPAN WIRE
- TEMPORARY CONTROL CABINET
- WOOD POLE, CLASS 4
- TEMPORARY BASE
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY LUMINAIRE
- XX — SIGNAL HEAD NUMBER
- XX — PEDESTRIAN SIGNAL FACE 16-INCH
- B B — PEDESTRIAN PUSH BUTTONS
- PEDESTRIAN SIGNAL HEAD
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R R — RED ARROW
- Y Y — YELLOW ARROW
- G G G — GREEN ARROW
- XX — NON-INTRUSIVE VEHICLE DETECTION AREA
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED
- WORK AREA

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - LEGEND & NOTES	SHEET 73	E



* DETECTION ZONES 31 & 61 NOT SHOWN WHERE INTENDED. THESE ZONES WILL PROVIDE QUEUE DETECTION ON EACH OFF RAMP. CONTRACTOR TO WORK WITH CITY OF MADISON TO DETERMINE FINAL LOCATIONS.

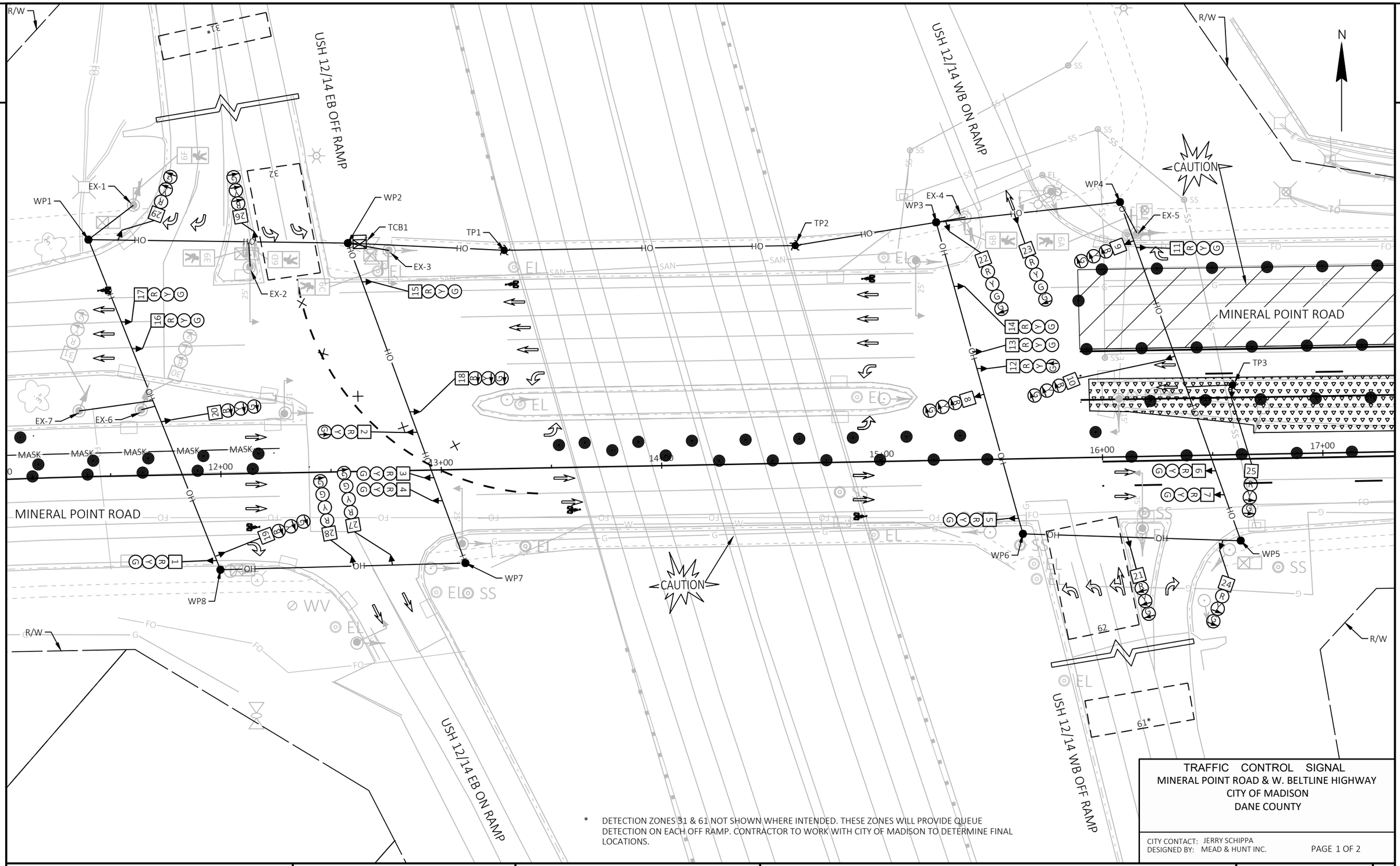
TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PAGE 1 OF 2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 1	SHEET 74	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024102-ST1-BELTLINE.DWG
LAYOUT NAME - 024101-st-s1
PLOT DATE : 9/24/2026 12:32 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



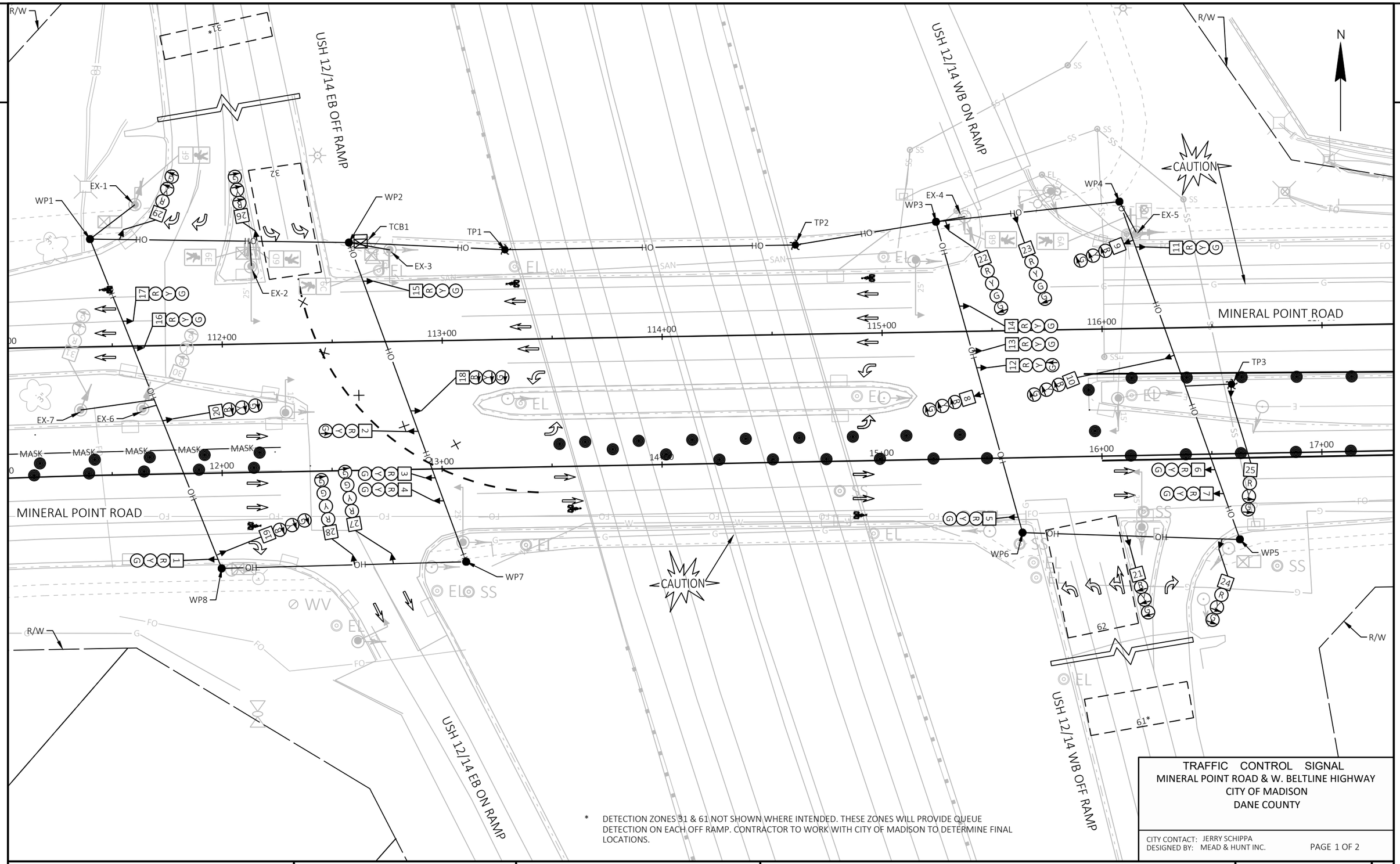
* DETECTION ZONES 31 & 61 NOT SHOWN WHERE INTENDED. THESE ZONES WILL PROVIDE QUEUE DETECTION ON EACH OFF RAMP. CONTRACTOR TO WORK WITH CITY OF MADISON TO DETERMINE FINAL LOCATIONS.

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 2	SHEET 75	E

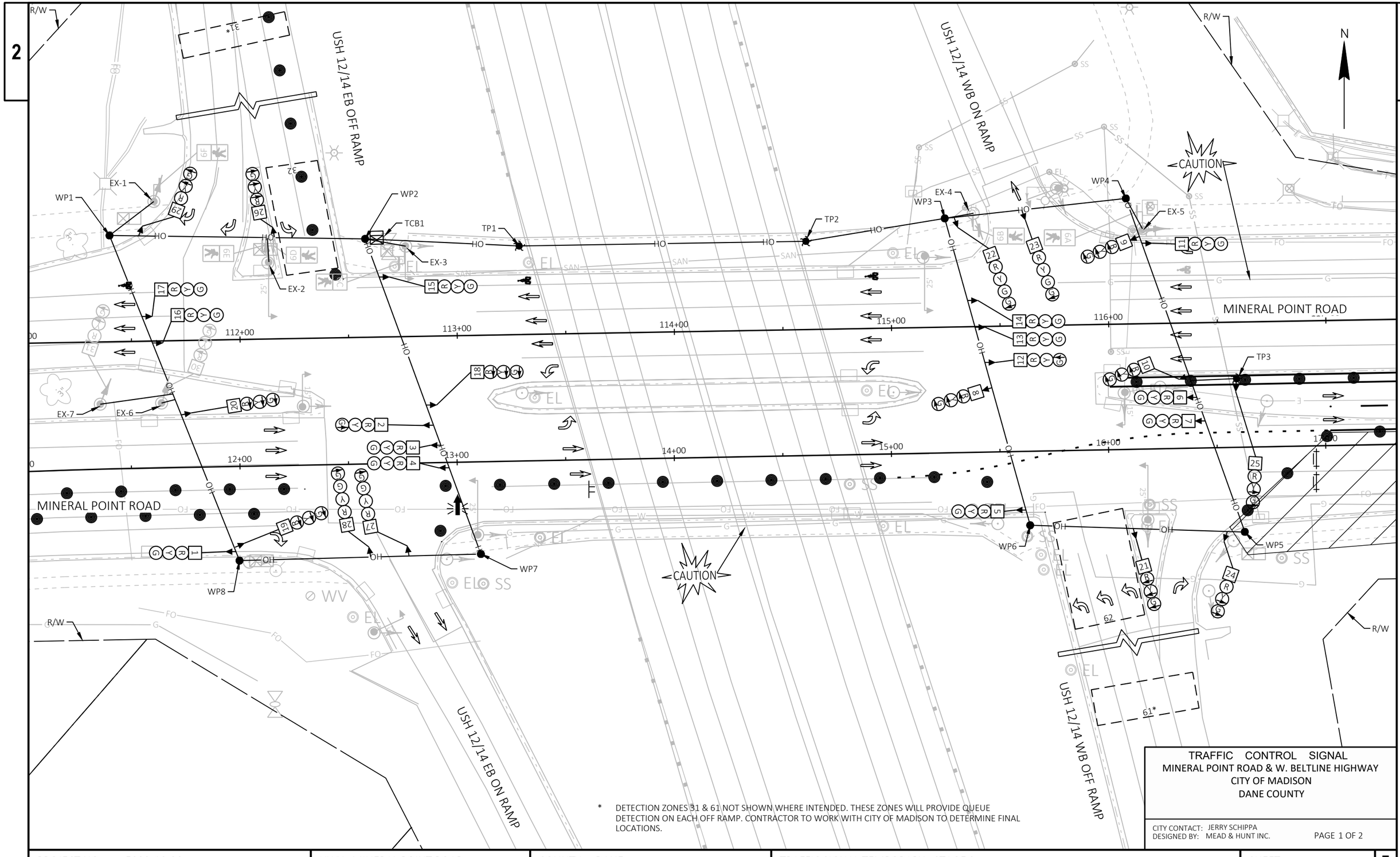
FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024102-ST2-BELTLINE.DWG
LAYOUT NAME - 024101-st-s2
PLOT DATE : 9/24/2026 12:32 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



* DETECTION ZONES 31 & 61 NOT SHOWN WHERE INTENDED. THESE ZONES WILL PROVIDE QUEUE DETECTION ON EACH OFF RAMP. CONTRACTOR TO WORK WITH CITY OF MADISON TO DETERMINE FINAL LOCATIONS.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGES 2A & 2B	SHEET 76	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024102-ST2A-BELTLINE.DWG
LAYOUT NAME - 024101-st-s2A
PLOT DATE : 9/24/2026 12:33 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



* DETECTION ZONES 31 & 61 NOT SHOWN WHERE INTENDED. THESE ZONES WILL PROVIDE QUEUE DETECTION ON EACH OFF RAMP. CONTRACTOR TO WORK WITH CITY OF MADISON TO DETERMINE FINAL LOCATIONS.

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PAGE 1 OF 2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 3	SHEET 77	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024102-ST3-BELTLINE.DWG
LAYOUT NAME - 024101-st-s3
PLOT DATE : 9/24/2026 12:33 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

R/W

USH 12/14 EB OFF RAMP

USH 12/14 WB ON RAMP

MINERAL POINT ROAD

CAUTION

EX-1 EX-2 EX-3 EX-4 EX-5 EX-6 EX-7

WP1 WP2 WP3 WP4 WP5 WP6 WP7 WP8

TCB1 TP1 TP2 TP3

HO OH

12+00 13+00 14+00 15+00 16+00 17+00

USH 12/14 EB ON RAMP

USH 12/14 WB OFF RAMP

N

* DETECTION ZONES 31 & 61 NOT SHOWN WHERE INTENDED. THESE ZONES WILL PROVIDE QUEUE DETECTION ON EACH OFF RAMP. CONTRACTOR TO WORK WITH CITY OF MADISON TO DETERMINE FINAL LOCATIONS.

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PAGE 1 OF 2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 4	SHEET 78	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024102-ST4-BELTLINE.DWG
LAYOUT NAME - 024101-st-s4

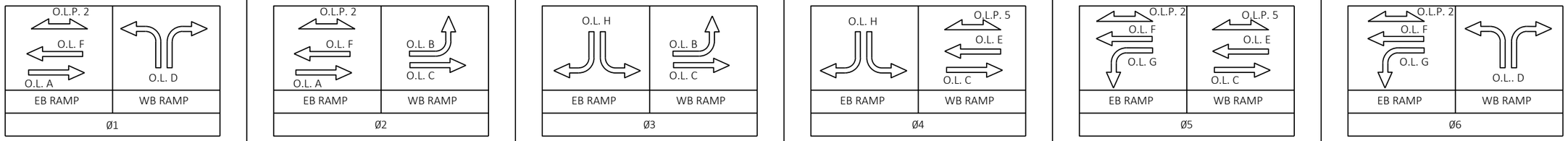
PLOT DATE : 9/24/2026 12:33 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

RING 1



	HEAD NUMBERS	FLASH	OL ASSIGNMENTS
O.L. A	1,2,3,4	R	1,2
O.L. B	8,9,10	R	2,3
O.L. C	5,6,7	R	2,3,4,5
O.L. D	21,22,23,24,25	R	6,1
O.L. E	11,12,13,14	R	4,5
O.L. F	15,16,17	R	5,6,1,2
O.L.G	18,19,20	R	5,6
O.L. H	26,27,28,29,30,31	R	3,4
P.O.L. 2	6C,6D,6E,6F		5,6,1,2
P.O.L. 5	6A,6B		4,5

CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	31	32	61	62				
PHASE CALLED	3	3	6	6				
PHASE EXTENDED	3	3	6	6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - ALL STAGES	SHEET 79	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024102-ST4-BELTLINE.DWG
LAYOUT NAME - 024102-st-s4
PLOT DATE : 9/24/2026 12:33 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

S HIGH POINT ROAD

MINERAL POINT ROAD

MINERAL POINT ROAD

S HIGH POINT ROAD

CAUTION

CAUTION

CAUTION

R/W

R/W

R/W

R/W

EX-SB1

EX-SB5

EX-SB6

EX-SB7

EX-SB8

EX-SB9

EX-SB10

WP1

WP2

WP3

WP4

TP1

TP2

TCB1

OH

124+00

125+00

126+00

127+00

128+00

129+00

130

24+00

25+00

26+00

27+00

28+00

29+00

30

31

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
4	WOOD POLES, CLASS 4
1,000 (FT)	SPAN WIRE
12	TRAFFIC SIGNAL FACES (VERTICAL)
2	PEDESTRIAN SIGNAL HEAD & PUSH BUTTON ON POST
4	LUMINAIRES, 250 W OR LED B
1	NON-INTRUSIVE VEHICLE DETECTION SYSTEM
2	TEMPORARY BASE
400 (FT)	OVERHEAD WIRE TO TEMPORARY BASE OR EXISTING SIGNAL

TRAFFIC CONTROL SIGNAL

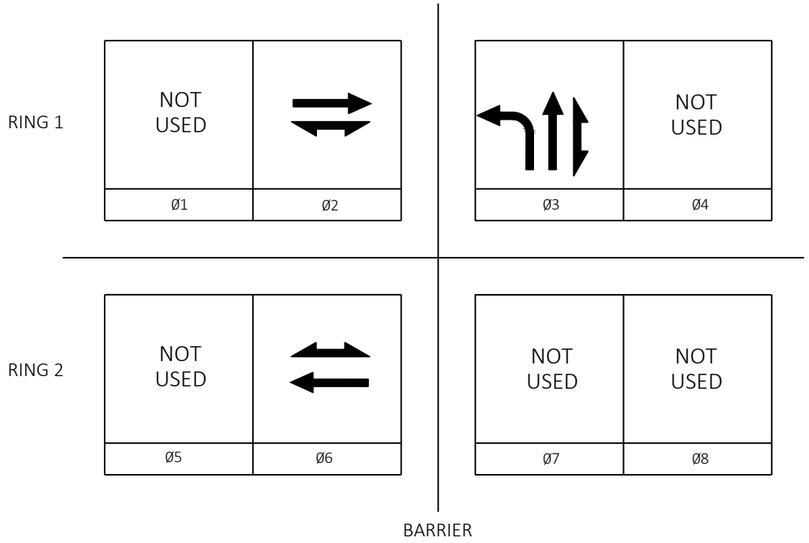
MINERAL POINT ROAD AT S. HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 1	SHEET 80	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST1-HIGHPOINT.DWG
LAYOUT NAME - 024103-st-s1
PLOT DATE : 9/24/2026 12:33 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3	10,11,12	R
Ø4		
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8		
Ø2 PED	2A, 2B	
Ø3 PED	3A, 3B, 3C, 3D	
Ø4 PED		
Ø6 PED	6A, 6B	



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	31		61				
PHASE CALLED	2	3		6				
PHASE EXTENDED	2	3		6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 1	SHEET 81	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST1-HIGHPOINT.DWG
LAYOUT NAME - 024104-st-s1
PLOT DATE : 9/24/2026 12:33 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

MINERAL POINT ROAD

S HIGH POINT ROAD

CAUTION

R/W

WP1

WP2

WP3

WP4

TP1

TP2

TCB1

EX-SB1

EX-SB5

EX-SB6

EX-SB7

EX-SB8

EX-SB9

EX-SB10

OH

124+00

125+00

126+00

127+00

128+00

129+00

24+00

25+00

26+00

27+00

28+00

29+00

303+00

304+00

305+00

306+00

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
4	WOOD POLES, CLASS 4
1,000 (FT)	SPAN WIRE
12	TRAFFIC SIGNAL FACES (VERTICAL)
2	PEDESTRIAN SIGNAL HEAD & PUSH BUTTON ON POST
4	LUMINAIRES, 250 W OR LED B
1	NON-INTRUSIVE VEHICLE DETECTION SYSTEM
2	TEMPORARY BASE
400 (FT)	OVERHEAD WIRE TO TEMPORARY BASE OR EXISTING SIGNAL

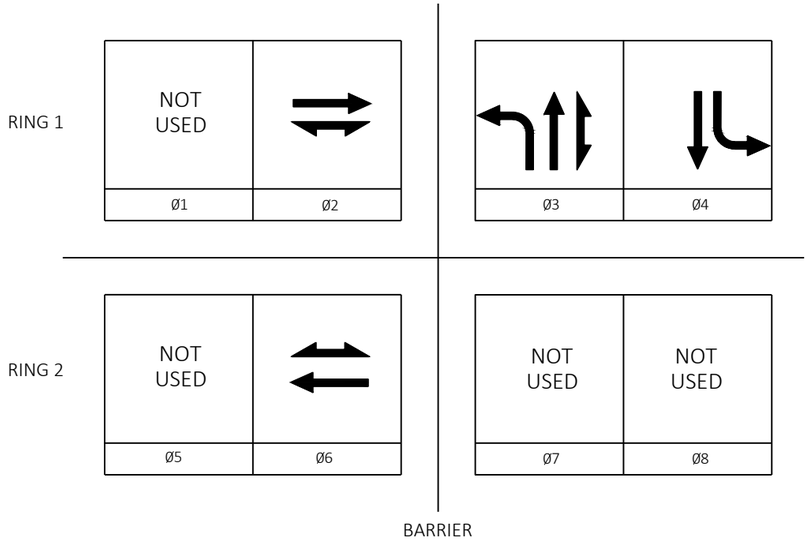
TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT S. HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 2	SHEET 82	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST2-HIGHPOINT.DWG
LAYOUT NAME - 024103-st-s2
PLOT DATE : 9/24/2026 12:33 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3	10,11,12	R
Ø4	7,8,9	R
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8		
Ø2 PED	2A, 2B	
Ø3 PED	3A, 3B, 3C, 3D	
Ø4 PED		
Ø6 PED	6A, 6B	



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	31	41	61				
PHASE CALLED	2	3	4	6				
PHASE EXTENDED	2	3	4	6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

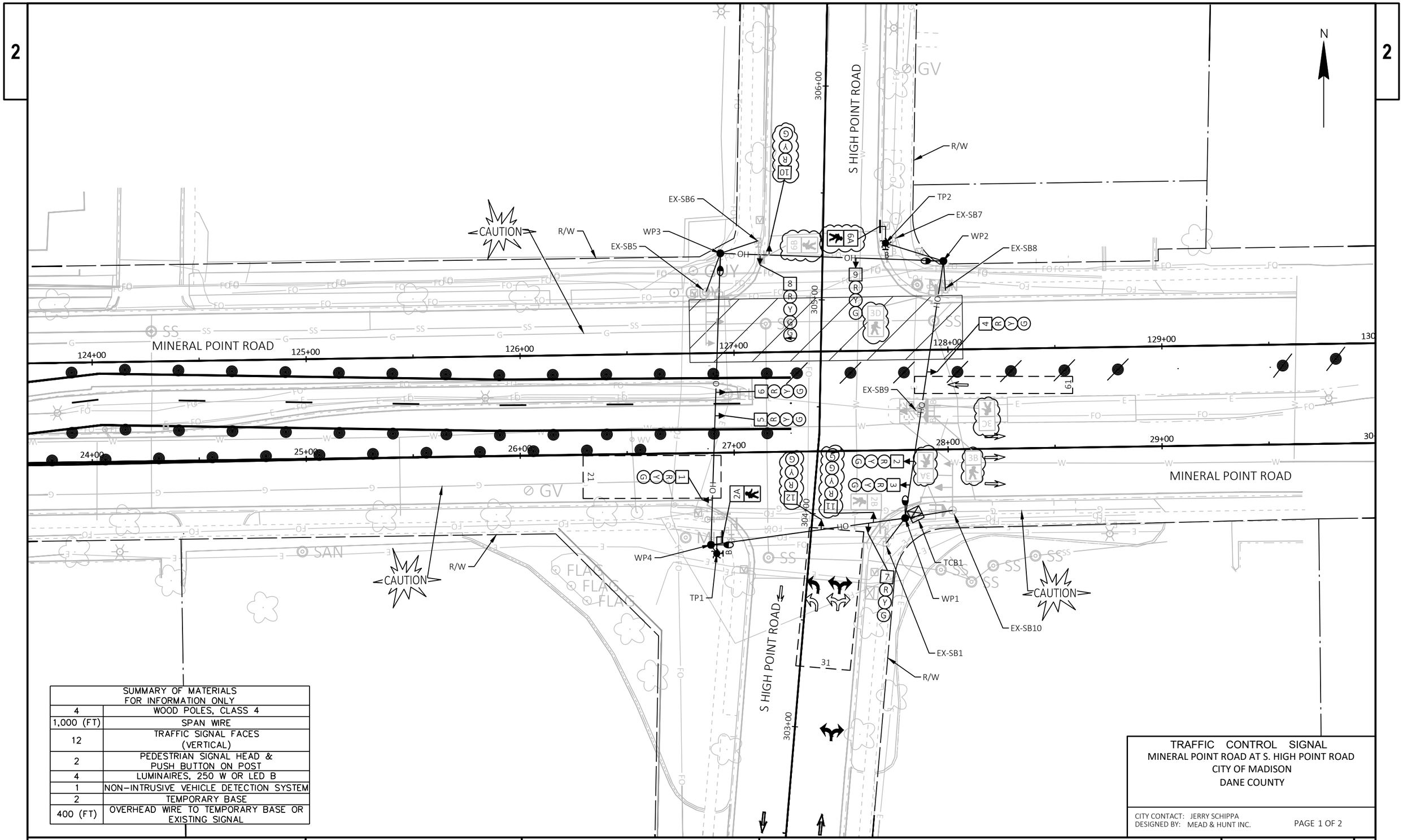
DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 2	SHEET 83	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST2-HIGHPOINT.DWG
LAYOUT NAME - 024104-st-s2
PLOT DATE : 9/24/2026 12:33 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



SUMMARY OF MATERIALS FOR INFORMATION ONLY	
4	WOOD POLES, CLASS 4
1,000 (FT)	SPAN WIRE
12	TRAFFIC SIGNAL FACES (VERTICAL)
2	PEDESTRIAN SIGNAL HEAD & PUSH BUTTON ON POST
4	LUMINAIRES, 250 W OR LED B
1	NON-INTRUSIVE VEHICLE DETECTION SYSTEM
2	TEMPORARY BASE
400 (FT)	OVERHEAD WIRE TO TEMPORARY BASE OR EXISTING SIGNAL

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT S. HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

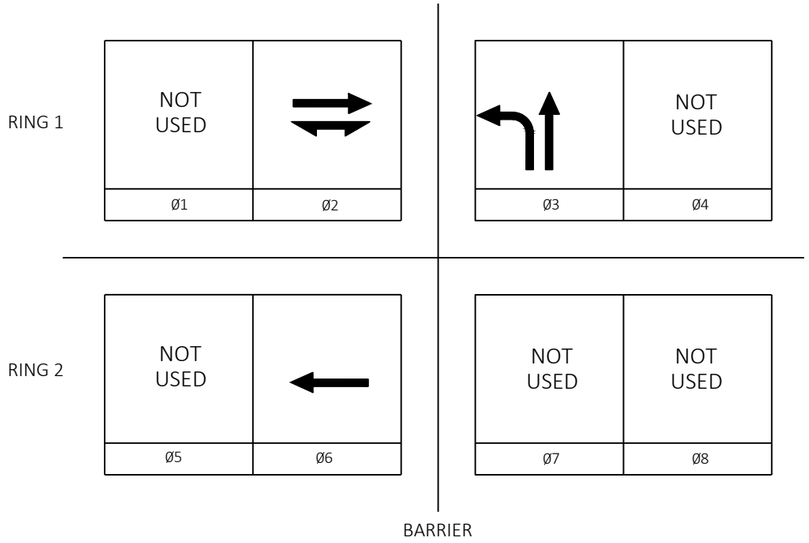
CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PAGE 1 OF 2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 2A	SHEET 84	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST2A-HIGHPOINT.DWG
LAYOUT NAME - 024103-st-s2A
PLOT DATE : 9/24/2026 12:34 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3	10,11,12	R
Ø4		
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8		
Ø2 PED	2A, 2B	
Ø3 PED		
Ø4 PED		
Ø6 PED		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

N

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	31		61				
PHASE CALLED	2	3		6				
PHASE EXTENDED	2	3		6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 2A	SHEET 85	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST2A-HIGHPOINT.DWG
LAYOUT NAME - 024104-st-s2A
PLOT DATE : 9/24/2026 12:34 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

MINERAL POINT ROAD

S HIGH POINT ROAD

CAUTION

R/W

EX-SB5

EX-SB6

WP3

TP1

WP4

TP2

EX-SB7

WP2

EX-SB8

EX-SB9

TCB1

WP1

EX-SB10

EX-SB1

MASK

124+00

125+00

126+00

127+00

128+00

129+00

24+00

25+00

26+00

27+00

28+00

29+00

306+00

305+00

304+00

303+00

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
4	WOOD POLES, CLASS 4
1,000 (FT)	SPAN WIRE
12	TRAFFIC SIGNAL FACES (VERTICAL)
2	PEDESTRIAN SIGNAL HEAD & PUSH BUTTON ON POST
4	LUMINAIRES, 250 W OR LED B
1	NON-INTRUSIVE VEHICLE DETECTION SYSTEM
2	TEMPORARY BASE
400 (FT)	OVERHEAD WIRE TO TEMPORARY BASE OR EXISTING SIGNAL

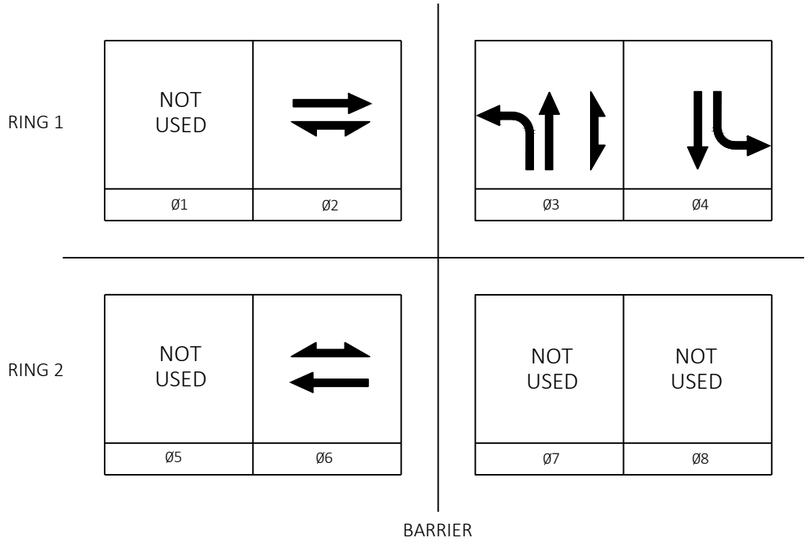
TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT S. HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 2B	SHEET 86	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST2B-HIGHPOINT.DWG
LAYOUT NAME - 024103-st-s2b
PLOT DATE : 9/24/2026 12:34 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3	10,11,12	R
Ø4	7,8,9	R
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8		
Ø2 PED	2A, 2B	
Ø3 PED	3A, 3B, 3C, 3D	
Ø4 PED		
Ø6 PED	6A, 6B	



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	31	41	61				
PHASE CALLED	2	3	4	6				
PHASE EXTENDED	2	3	4	6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
DETECTOR #(S)									DETECTOR #(S)
PHASE CALLED									PHASE CALLED
PHASE EXTENDED									PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH									EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
DETECTOR #(S)									DETECTOR #(S)
PHASE CALLED									PHASE CALLED
PHASE EXTENDED									PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH									EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 2B	SHEET 87	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST2B-HIGHPOINT.DWG
LAYOUT NAME - 024104-st-s2b
PLOT DATE : 9/24/2026 12:34 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

MINERAL POINT ROAD

S HIGH POINT ROAD

CAUTION

ONLY ONLY

R3-8xx
36"X30"

R/W

EX-SB6

WP3

EX-SB5

OH

TP2

EX-SB7

WP2

EX-SB8

EX-SB9

TCB1

WP1

EX-SB10

EX-SB1

WP4

TP1

124+00

125+00

126+00

127+00

128+00

129+00

130

24+00

25+00

26+00

27+00

28+00

29+00

30

306+00

305+00

304+00

303+00

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
4	WOOD POLES, CLASS 4
1,000 (FT)	SPAN WIRE
12	TRAFFIC SIGNAL FACES (VERTICAL)
2	PEDESTRIAN SIGNAL HEAD & PUSH BUTTON ON POST
4	LUMINAIRES, 250 W OR LED B
1	NON-INTRUSIVE VEHICLE DETECTION SYSTEM
2	TEMPORARY BASE
400 (FT)	OVERHEAD WIRE TO TEMPORARY BASE OR EXISTING SIGNAL

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT S. HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PAGE 1 OF 2

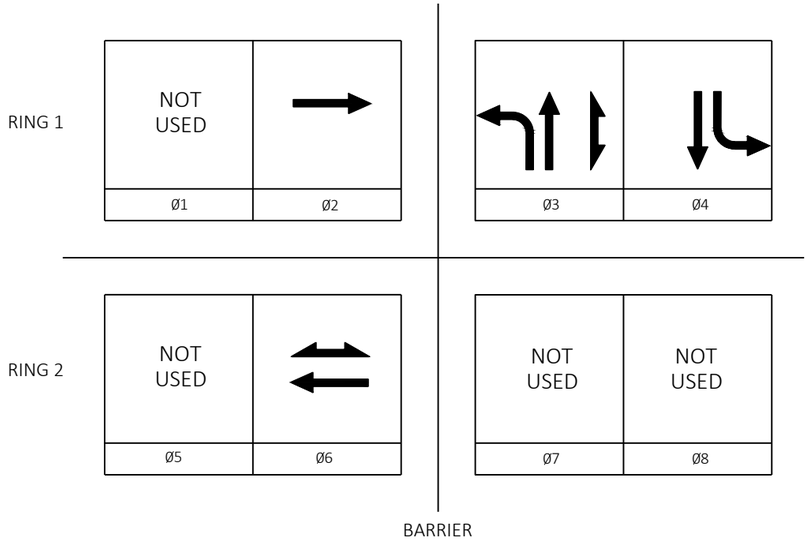
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 3	SHEET 88	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST3-HIGHPOINT.DWG
LAYOUT NAME - 024103-st-s3

PLOT DATE : 9/24/2026 12:34 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3	10,11,12	R
Ø4	7,8,9	R
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8		
Ø2 PED	2A, 2B	
Ø3 PED	3A, 3B, 3C, 3D	
Ø4 PED		
Ø6 PED	6A, 6B	



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

N

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	31	41	61				
PHASE CALLED	2	3	4	6				
PHASE EXTENDED	2	3	4	6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 3	SHEET 89	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST3-HIGHPOINT.DWG
LAYOUT NAME - 024104-st-s3
PLOT DATE : 9/24/2026 12:34 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

MINERAL POINT ROAD

S HIGH POINT ROAD

CAUTION

R/W

EX-SB5

EX-SB6

WP3

OH

TP2

EX-SB7

WP2

EX-SB8

EX-SB9

WP4

TP1

TCB1

WP1

EX-SB10

EX-SB1

124+00

125+00

126+00

127+00

128+00

129+00

24+00

25+00

26+00

27+00

28+00

29+00

305+00

306+00

304+00

303+00

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
4	WOOD POLES, CLASS 4
1,000 (FT)	SPAN WIRE
12	TRAFFIC SIGNAL FACES (VERTICAL)
2	PEDESTRIAN SIGNAL HEAD & PUSH BUTTON ON POST
4	LUMINAIRES, 250 W OR LED B
1	NON-INTRUSIVE VEHICLE DETECTION SYSTEM
2	TEMPORARY BASE
400 (FT)	OVERHEAD WIRE TO TEMPORARY BASE OR EXISTING SIGNAL

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT S. HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

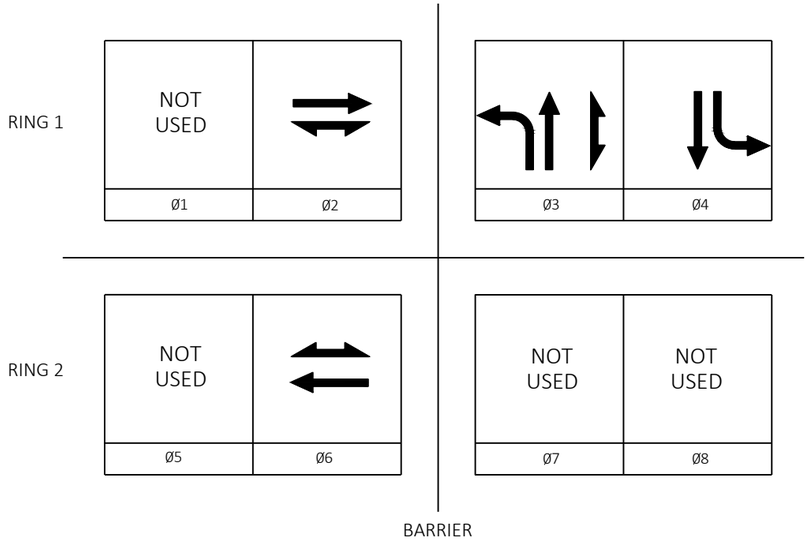
CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PAGE 1 OF 2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 4	SHEET 90	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST4-HIGHPOINT.DWG
LAYOUT NAME - 024103-st-s4
PLOT DATE : 9/24/2026 12:34 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3	10,11,12	R
Ø4	7,8,9	R
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8		
Ø2 PED	2A, 2B	
Ø3 PED	3A, 3B, 3C, 3D	
Ø4 PED		
Ø6 PED	6A, 6B	



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	31	41	61				
PHASE CALLED	2	3	4	6				
PHASE EXTENDED	2	3	4	6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
DETECTOR #(S)									DETECTOR #(S)
PHASE CALLED									PHASE CALLED
PHASE EXTENDED									PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH									EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
DETECTOR #(S)									DETECTOR #(S)
PHASE CALLED									PHASE CALLED
PHASE EXTENDED									PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH									EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL TEMPORARY - STAGE 4	SHEET 91	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024103-ST4-HIGHPOINT.DWG
LAYOUT NAME - 024104-st-s4
PLOT DATE : 9/24/2026 12:34 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

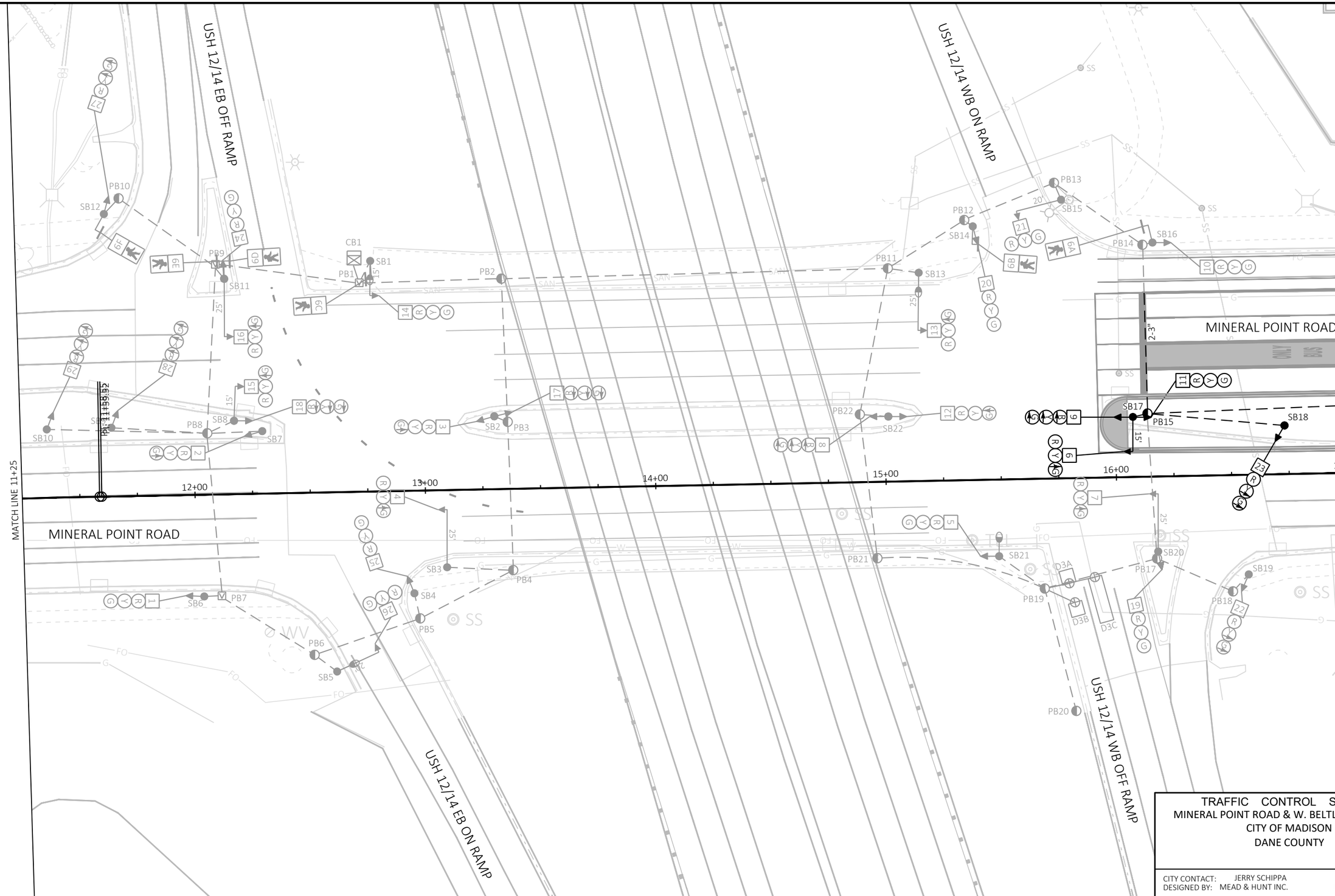
1. * LOCATION IS TO FRONT OF CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED. PULL WIRE IS REQUIRED FOR ALL CONDUIT RUNS AS PER STANDARD SPECIFICATIONS.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES AS SHOWN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.
5. NOTIFY THE CITY OF MADISON AT LEAST FIVE DAYS PRIOR TO NEW CABINET AND CONTROLLER INSTALLATION AT (608) 267-1960.
6. THE ENGINEER SHALL APPROVE THE FINAL LOCATION OF ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.
7. PLANS WERE DEVELOPED BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. CONTRACTOR TO FIELD REVIEW SIGNAL INFRASTRUCTURE LOCATIONS AND WIRE/CABLE ROUTING AND ADJUST AS NECESSARY. COORDINATE ALL FIELD ADJUSTMENTS WITH THE ENGINEER.
8. GRAY SHADE REPRESENTS EXISTING ROADWAY AND EXISTING TRAFFIC EQUIPMENT.

LEGEND

- CONTROL CABINET
- CONCRETE BASE TYPE GR, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE POLE, LUMINAIRE AND MOUNTING BRACKET, UNLESS OTHERWISE NOTED
- CONCRETE BASE TYPE LB-8, TRANSFORMER BASE, POLE, TROMBONE ARM
- (XX) CONCRETE BASE TYPE 2, TRANSFORMER BASE, TYPE 2 POLE, TROMBONE ARM
- LUMINAIRE
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- * * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- XX SIGNAL HEAD NUMBER
- BUS INDICATOR
- PEDESTRIAN HEAD
- SIGNAL HEAD
- APS PUSH BUTTON, PUSH BUTTON
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R R RED ARROW
- Y Y YELLOW ARROW
- AG G G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (W/ COUNTDOWN TIMER)
- PULL BOX, 24" X 36"
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

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

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL PROPOSED PLAN - LEGEND & NOTES	SHEET 92	E



TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

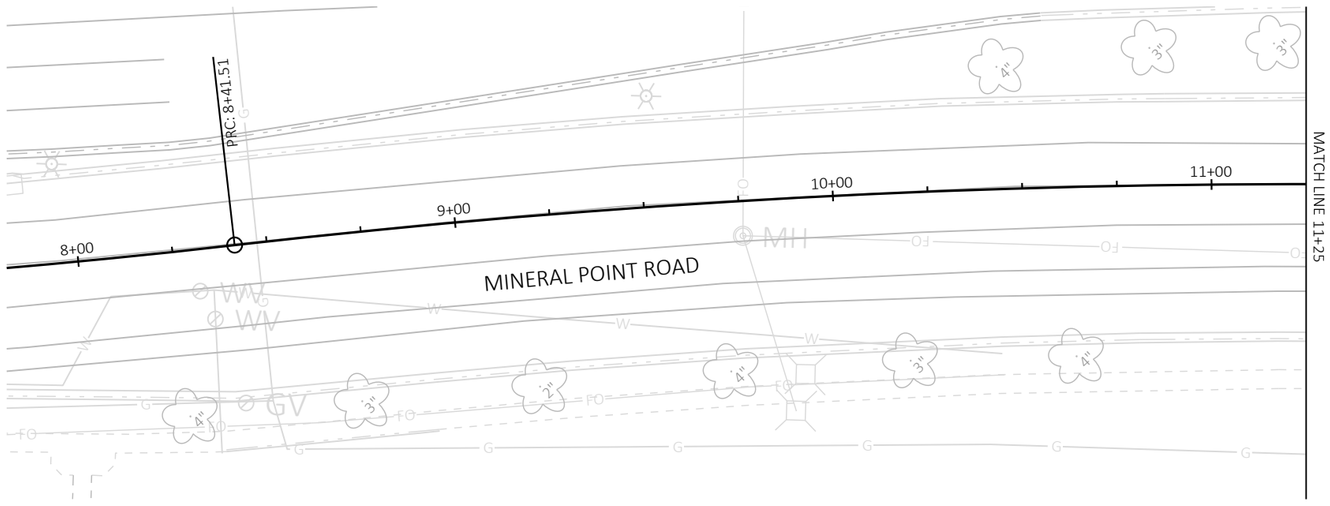
PAGE 1 OF 2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL PROPOSED PLAN - W BELTLINE HWY	SHEET 93	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024202-SP.DWG
LAYOUT NAME - 024202-sp
PLOT DATE : 9/24/2026 12:35 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N



TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PAGE 2 OF 3

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL PROPOSED PLAN - W BELTLINE HWY	SHEET 94	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024202-SP.DWG
LAYOUT NAME - 024202-sp2

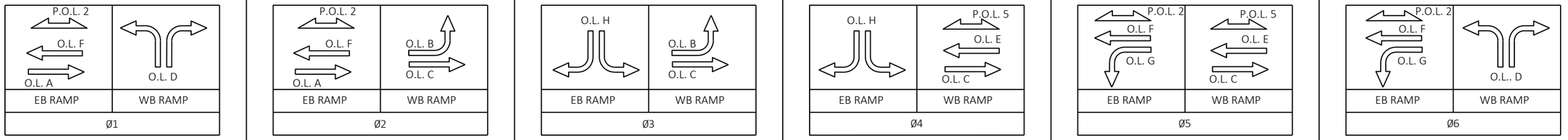
PLOT DATE : 9/24/2026 12:35 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

RING 1



	HEAD NUMBERS	FLASH	OL ASSIGNMENTS
O.L. A	1,2,3,4	R	1,2
O.L. B	8,9	R←	2,3
O.L. C	5,6,7	R	2,3,4,5
O.L. D	19,20,21,22,23	R	6,1
O.L. E	10,11,12,13	R	4,5
O.L. F	14,15,16	R	5,6,1,2
O.L.G	17,18	R←	5,6
O.L. H	24,25,26,27,28,29	R	3,4
P.O.L. 2	6C,6D,6E,6F		5,6,1,2
P.O.L. 5	6A,6B		4,5

CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

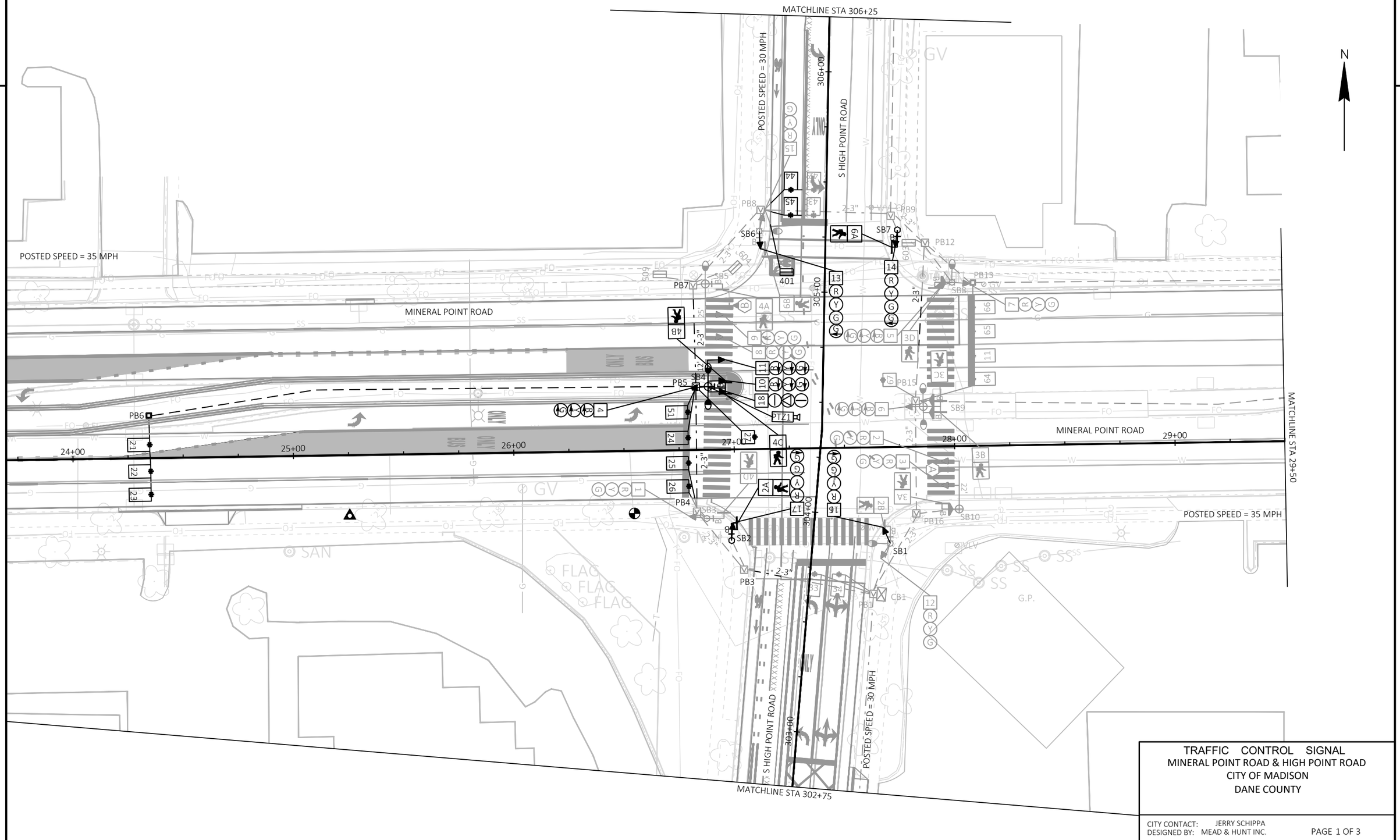
TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & W. BELTLINE HIGHWAY
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20 | HWY: MINERAL POINT ROAD | COUNTY: DANE | TRAFFIC SIGNAL PROPOSED PLAN - W BELTLINE HWY | SHEET 95 | E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024202-SP.DWG
LAYOUT NAME - 024202-sp SEQ
PLOT DATE : 9/24/2026 12:35 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD & HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

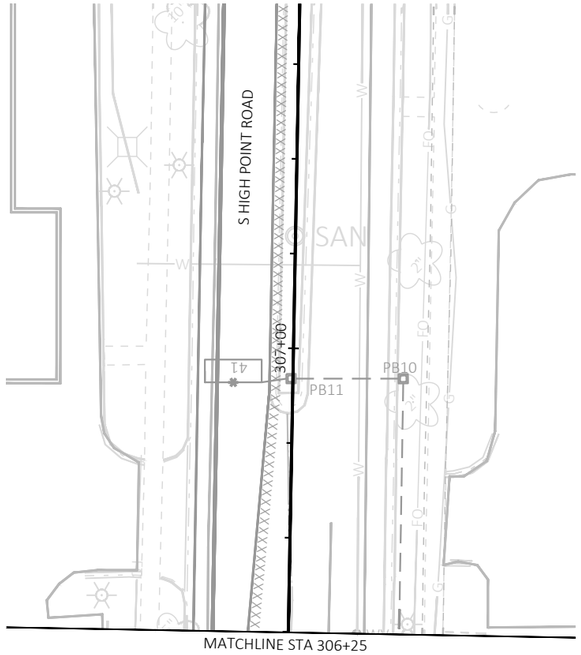
PAGE 1 OF 3

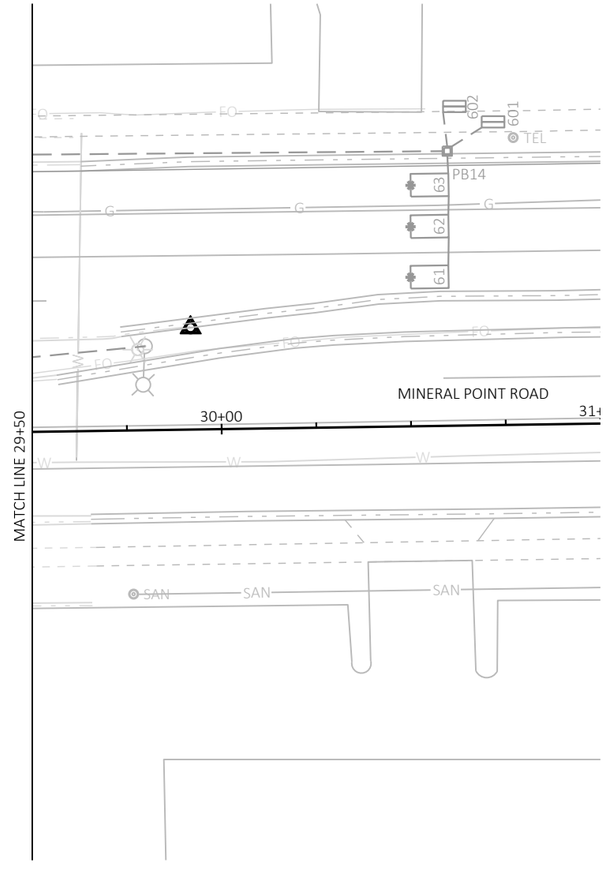
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL PROPOSED PLAN - HIGH POINT RD	SHEET 96	E

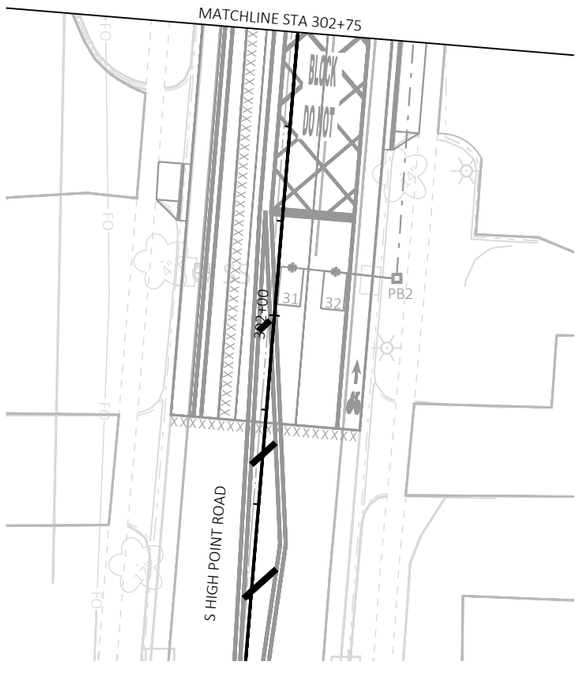
FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024203-SP.DWG
LAYOUT NAME - 024203-sp

PLOT DATE : 9/24/2026 12:35 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42







N

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

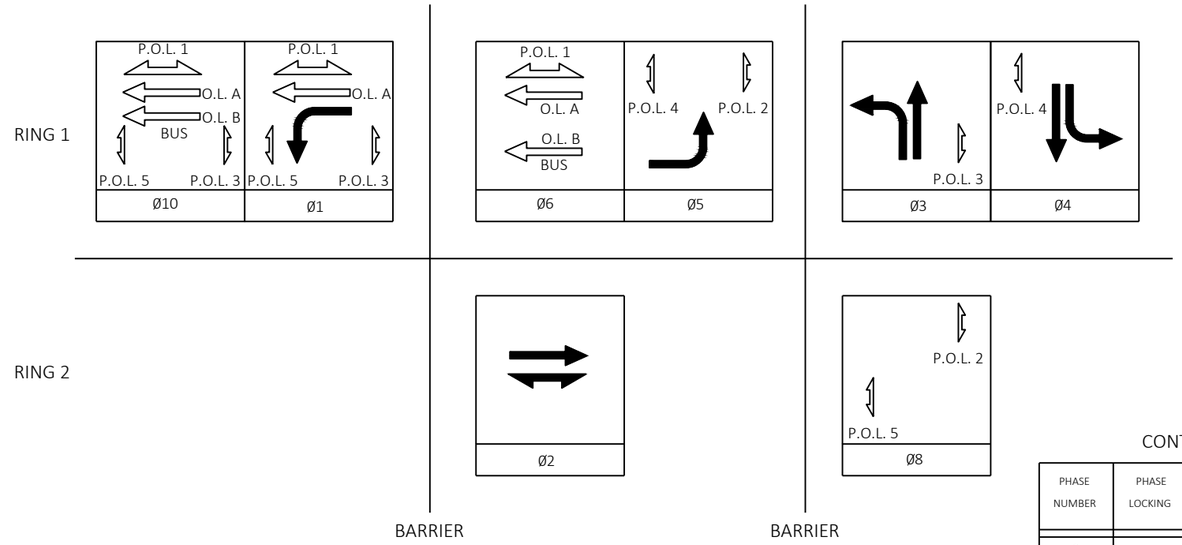
PAGE 2 OF 3

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL PROPOSED PLAN - HIGH POINT RD	SHEET 97	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024203-SP.DWG
LAYOUT NAME - 024203-sp (2)
PLOT DATE : 9/24/2026 12:35 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	10,11	R
Ø2	1,2,3	R
Ø3	12,13,14	R
Ø4	15,16,17	R
Ø5	4,5,6	R
Ø6		
Ø7		
Ø8		
Ø2 PED	2A,2B	
O.L. A	7,8,9	
O.L. A	18	
P.O.L. 1	6A,6B	
P.O.L. 2	3C,3D	
P.O.L. 3	3A,3B	
P.O.L. 4	4A,4B	
P.O.L. 5	4C,4D	

OL ASSIGNMENTS
1,6,10
6,10
1,6,10
5,8
1,3
4,5
1,8



N

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

CONTROLLER LOGIC

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	DETECTOR INPUT
DETECTOR #(S)	11	22	24	26	31	33	35	41	DETECTOR #(S)
PHASE CALLED	1	2	2	2	3	3	3	4	PHASE CALLED
PHASE EXTENDED	1	2	2	2	3	3	3	4	PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH		X			X			X	EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
DETECTOR #(S)	43	45	51	62	64	66	601	603	DETECTOR #(S)
PHASE CALLED	4	4	5	6	6	6		6	PHASE CALLED
PHASE EXTENDED	4	4	5	6	6	6		6	PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH				X					EXTENSION STRETCH
LOOP FUNCTION							SYS		LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14	DETECTOR INPUT
DETECTOR #(S)	21	23	25	27	32	34	36	42	DETECTOR #(S)
PHASE CALLED	2	2	2		3	3	3	4	PHASE CALLED
PHASE EXTENDED	2	2	2		3	3	3	4	PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH	X	X			X				EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
DETECTOR #(S)	44	401	61	63	65	67	602	604	DETECTOR #(S)
PHASE CALLED	4	4	6	6	6			6	PHASE CALLED
PHASE EXTENDED	4	4	6	6	6			6	PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH			X	X					EXTENSION STRETCH
LOOP FUNCTION							SYS		LOOP FUNCTION

PEDESTRIAN PUSH BUTTONS		
INPUT	POLE	ASSOCIATED PHASES*
901	SB8	3, 8, 5, 1, 10
902	SB2, SB1	2
903	SB9 (both)	3, 8
904	SB10	3, 8, 1, 10
905	SB3	8, 4, 5
906	SB6, SB7	6
907	SB4 (both)	4, 8
908	SB5	4, 5, 8

*PED BUTTON FUNCTIONS WILL BE A COMBINATION OF SETTINGS IN MM6-3 AND LOGIC STATEMENTS.

TRAFFIC CONTROL SIGNAL
MINERAL POINT ROAD AT HIGH POINT ROAD
CITY OF MADISON
DANE COUNTY

CITY CONTACT: JERRY SCHIPPA
DESIGNED BY: MEAD & HUNT INC.

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC SIGNAL PROPOSED PLAN - HIGH POINT RD	SHEET 98	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024203-SP.DWG
LAYOUT NAME - 024203-sp SEQ
PLOT DATE : 9/24/2026 12:35 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

PAVEMENT MARKING LEGEND

E-4WL	MARKING LINE EPOXY 4-INCH, WHITE
E-4WB	MARKING LINE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
E-6YL	MARKING LINE EPOXY 6-INCH, YELLOW
E-6WL	MARKING LINE EPOXY 6-INCH WHITE
E-8WL	MARKING LINE EPOXY 8-INCH
E-8WB	MARKING LINE EPOXY 8-INCH, WHITE, 2' SEG., 6' GAP
E-8RB	MARKING LINE EPOXY 8-INCH, RED, 2' SEG., 6' GAP
E-6WH	MARKING LINE EPOXY 6-INCH, WHITE, 2' SEG., 6' GAP
E-6WT	MARKING LINE EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
E-6WG	MARKING LINE EPOXY 6-INCH, WHITE, 5' SEG., 5' GAP
E-6WS	MARKING LINE EPOXY 6-INCH, WHITE, 10' SEG., 40' GAP

PAVEMENT MARKING LEGEND

E-1WL	MARKING LINE EPOXY 10-INCH WHITE
E-1WT	MARKING LINE EPOXY 10-INCH WHITE, 3' SEG., 9' GAP
MC-E	MARKING CURB EPOXY
MW-E	MARKING WORD EPOXY, WHITE
MS-E	MARKING SYMBOL EPOXY
A-E#	MARKING ARROW EPOXY, TYPE (B FOR BIKE LANE ARROW)
SL-E18	MARKING STOP LINE EPOXY, 18-INCH
CW-E	MARKING CROSSWALK EPOXY BLOCK STYLE, 24 INCH
MIN-E	MARKING ISLAND NOSE EPOXY
MD-12	MARKING DIAGONAL EPOXY 12-INCH

N

USH 12/14 EB OFF RAMP

USH 12/14 EB

USH 12/14 WB

9+00

110+00

111+00

112+00

113+00

114+00

+35

E-6WT

R125'

MINERAL POINT ROAD

PIER PIER PIER PIER PIER PIER PIER PIER PIER

10+00

11+00

12+00

13+00

14+00

+57

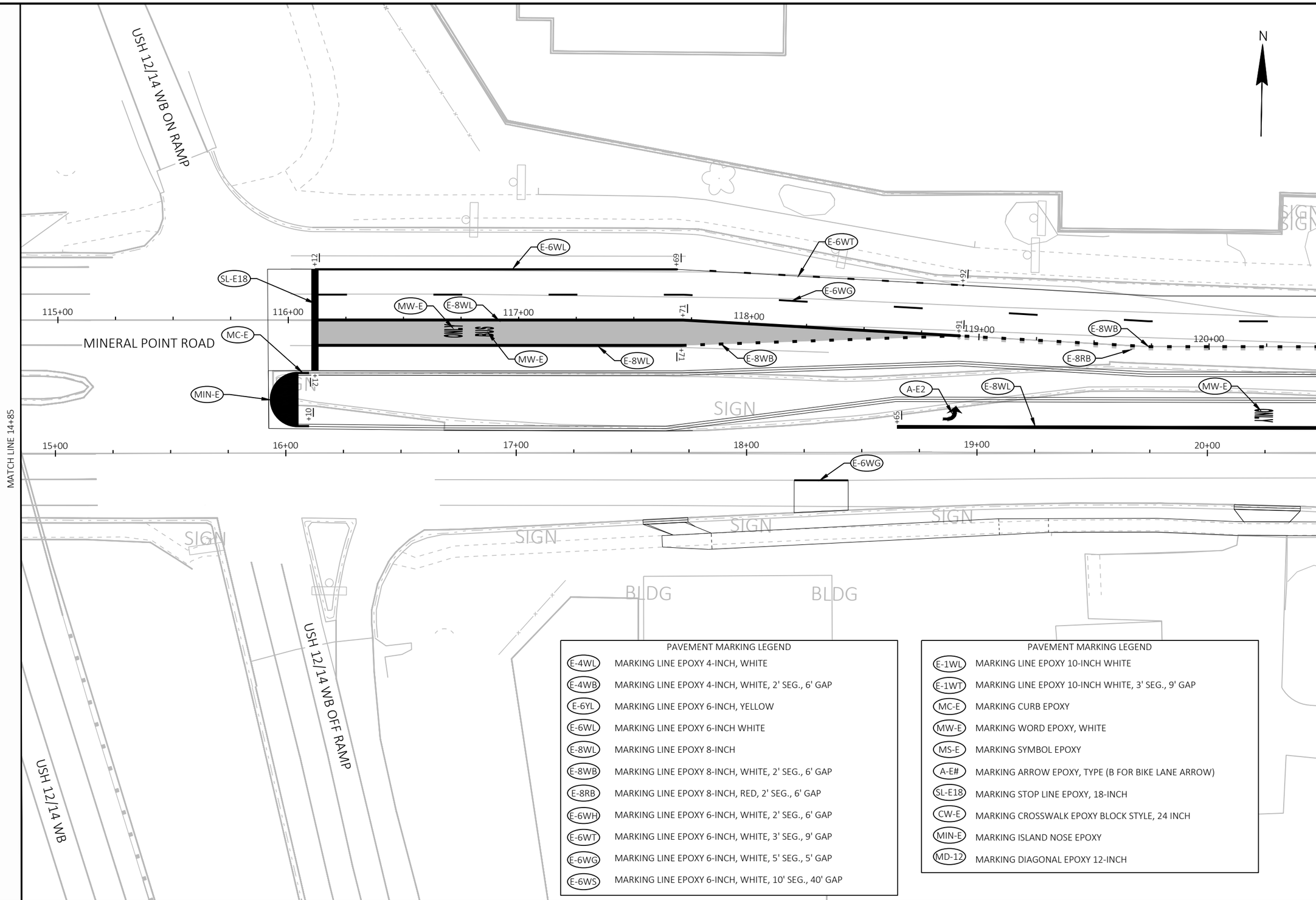
MATCH LINE 9+05

MATCH LINE 14+85

SIGN

USH 12/14 EB ON RAMP

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PAVEMENT MARKING - MINERAL POINT ROAD	SHEET 99 E



PAVEMENT MARKING LEGEND

E-4WL	MARKING LINE EPOXY 4-INCH, WHITE
E-4WB	MARKING LINE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
E-6YL	MARKING LINE EPOXY 6-INCH, YELLOW
E-6WL	MARKING LINE EPOXY 6-INCH WHITE
E-8WL	MARKING LINE EPOXY 8-INCH
E-8WB	MARKING LINE EPOXY 8-INCH, WHITE, 2' SEG., 6' GAP
E-8RB	MARKING LINE EPOXY 8-INCH, RED, 2' SEG., 6' GAP
E-6WH	MARKING LINE EPOXY 6-INCH, WHITE, 2' SEG., 6' GAP
E-6WT	MARKING LINE EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
E-6WG	MARKING LINE EPOXY 6-INCH, WHITE, 5' SEG., 5' GAP
E-6WS	MARKING LINE EPOXY 6-INCH, WHITE, 10' SEG., 40' GAP

PAVEMENT MARKING LEGEND

E-1WL	MARKING LINE EPOXY 10-INCH WHITE
E-1WT	MARKING LINE EPOXY 10-INCH WHITE, 3' SEG., 9' GAP
MC-E	MARKING CURB EPOXY
MW-E	MARKING WORD EPOXY, WHITE
MS-E	MARKING SYMBOL EPOXY
A-E#	MARKING ARROW EPOXY, TYPE (B FOR BIKE LANE ARROW)
SL-E18	MARKING STOP LINE EPOXY, 18-INCH
CW-E	MARKING CROSSWALK EPOXY BLOCK STYLE, 24 INCH
MIN-E	MARKING ISLAND NOSE EPOXY
MD-12	MARKING DIAGONAL EPOXY 12-INCH

PROJECT NO: 5992-10-20 | HWY: MINERAL POINT ROAD | COUNTY: DANE | PAVEMENT MARKING - MINERAL POINT ROAD | SHEET 100 | E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024501-PM.DWG
LAYOUT NAME - 04
PLOT DATE : 9/24/2026 12:35 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 20+50

MATCH LINE 26+50

2

TREE LANE

MINERAL POINT ROAD

BIG SKY DRIVE

N

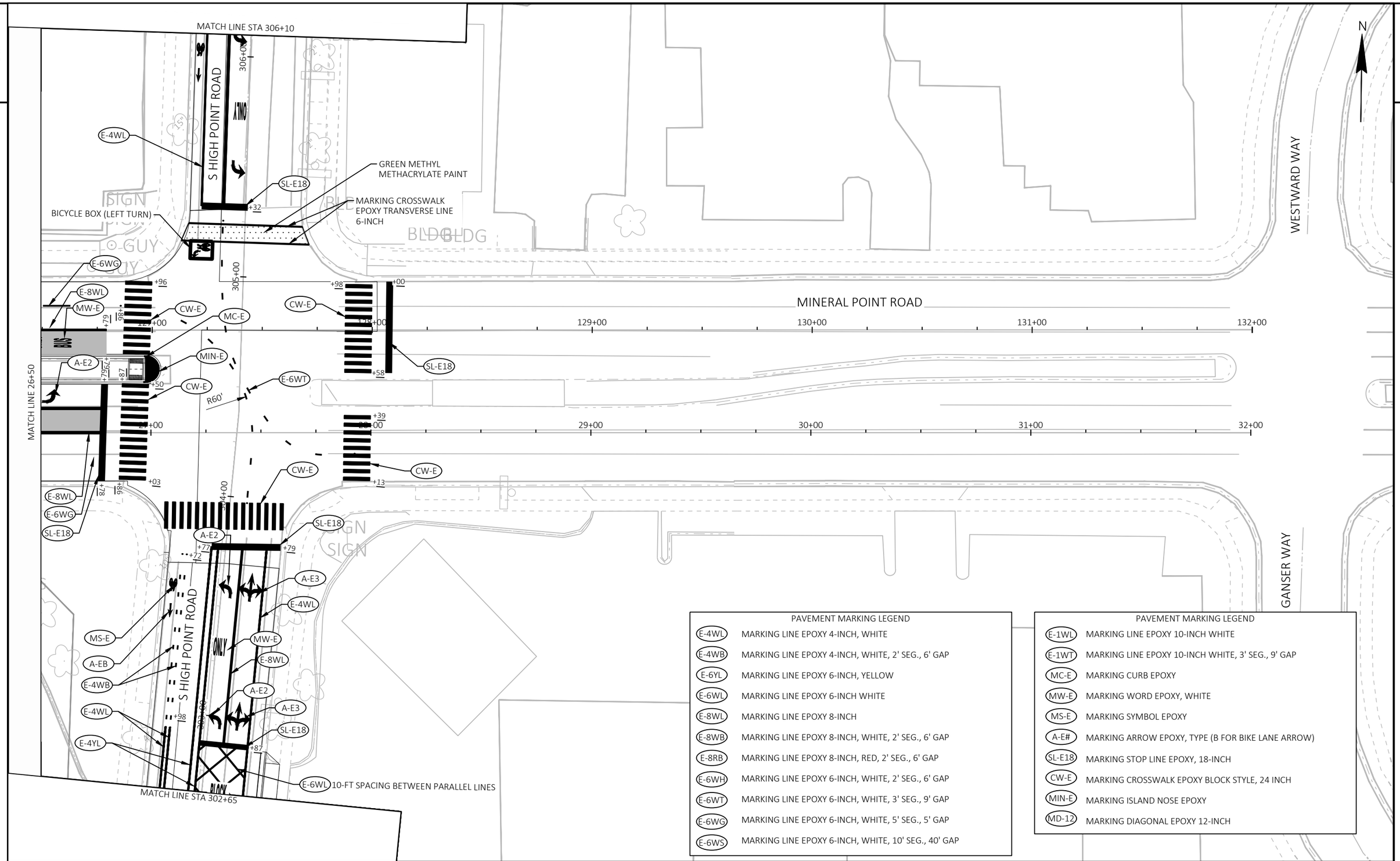
MATCH LINE STA 302+50

PAVEMENT MARKING LEGEND	
E-4WL	MARKING LINE EPOXY 4-INCH, WHITE
E-4WB	MARKING LINE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
E-6YL	MARKING LINE EPOXY 6-INCH, YELLOW
E-6WL	MARKING LINE EPOXY 6-INCH WHITE
E-8WL	MARKING LINE EPOXY 8-INCH
E-8WB	MARKING LINE EPOXY 8-INCH, WHITE, 2' SEG., 6' GAP
E-8RB	MARKING LINE EPOXY 8-INCH, RED, 2' SEG., 6' GAP
E-6WH	MARKING LINE EPOXY 6-INCH, WHITE, 2' SEG., 6' GAP
E-6WT	MARKING LINE EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
E-6WG	MARKING LINE EPOXY 6-INCH, WHITE, 5' SEG., 5' GAP
E-6WS	MARKING LINE EPOXY 6-INCH, WHITE, 10' SEG., 40' GAP

PAVEMENT MARKING LEGEND	
E-1WL	MARKING LINE EPOXY 10-INCH WHITE
E-1WT	MARKING LINE EPOXY 10-INCH WHITE, 3' SEG., 9' GAP
MC-E	MARKING CURB EPOXY
MW-E	MARKING WORD EPOXY, WHITE
MS-E	MARKING SYMBOL EPOXY
A-E#	MARKING ARROW EPOXY, TYPE (B FOR BIKE LANE ARROW)
SL-E18	MARKING STOP LINE EPOXY, 18-INCH
CW-E	MARKING CROSSWALK EPOXY BLOCK STYLE, 24 INCH
MIN-E	MARKING ISLAND NOSE EPOXY
MD-12	MARKING DIAGONAL EPOXY 12-INCH

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PAVEMENT MARKING - MINERAL POINT ROAD	SHEET 101	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024501-PM.DWG
LAYOUT NAME - 05
PLOT DATE : 9/24/2026 12:35 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PAVEMENT MARKING LEGEND

E-4WL	MARKING LINE EPOXY 4-INCH, WHITE
E-4WB	MARKING LINE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
E-6YL	MARKING LINE EPOXY 6-INCH, YELLOW
E-6WL	MARKING LINE EPOXY 6-INCH WHITE
E-8WL	MARKING LINE EPOXY 8-INCH
E-8WB	MARKING LINE EPOXY 8-INCH, WHITE, 2' SEG., 6' GAP
E-8RB	MARKING LINE EPOXY 8-INCH, RED, 2' SEG., 6' GAP
E-6WH	MARKING LINE EPOXY 6-INCH, WHITE, 2' SEG., 6' GAP
E-6WT	MARKING LINE EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
E-6WG	MARKING LINE EPOXY 6-INCH, WHITE, 5' SEG., 5' GAP
E-6WS	MARKING LINE EPOXY 6-INCH, WHITE, 10' SEG., 40' GAP

PAVEMENT MARKING LEGEND

E-1WL	MARKING LINE EPOXY 10-INCH WHITE
E-1WT	MARKING LINE EPOXY 10-INCH WHITE, 3' SEG., 9' GAP
MC-E	MARKING CURB EPOXY
MW-E	MARKING WORD EPOXY, WHITE
MS-E	MARKING SYMBOL EPOXY
A-E#	MARKING ARROW EPOXY, TYPE (B FOR BIKE LANE ARROW)
SL-E18	MARKING STOP LINE EPOXY, 18-INCH
CW-E	MARKING CROSSWALK EPOXY BLOCK STYLE, 24 INCH
MIN-E	MARKING ISLAND NOSE EPOXY
MD-12	MARKING DIAGONAL EPOXY 12-INCH

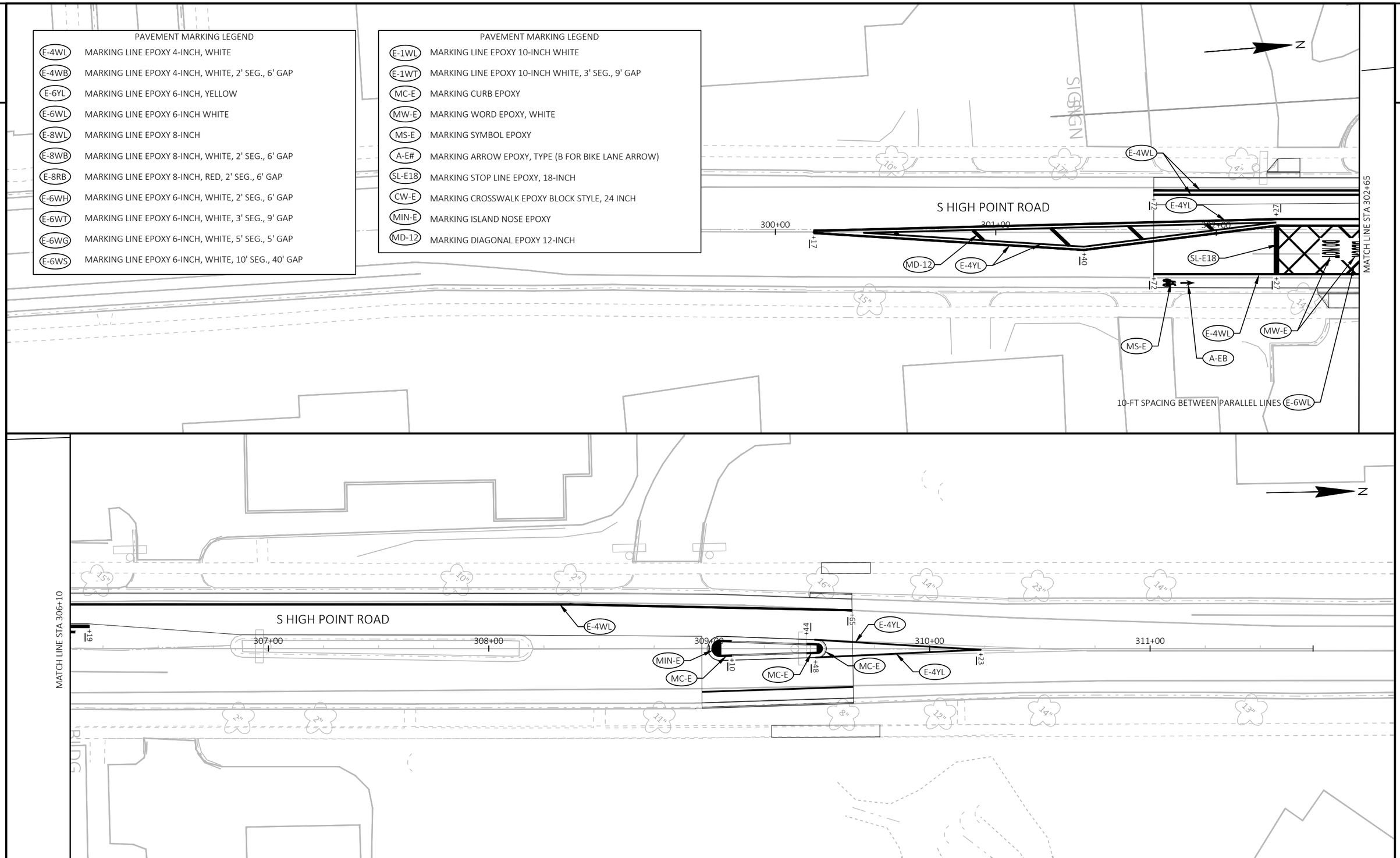
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PAVEMENT MARKING - MINERAL POINT ROAD	SHEET 102 E

PAVEMENT MARKING LEGEND

E-4WL	MARKING LINE EPOXY 4-INCH, WHITE
E-4WB	MARKING LINE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
E-6YL	MARKING LINE EPOXY 6-INCH, YELLOW
E-6WL	MARKING LINE EPOXY 6-INCH WHITE
E-8WL	MARKING LINE EPOXY 8-INCH
E-8WB	MARKING LINE EPOXY 8-INCH, WHITE, 2' SEG., 6' GAP
E-8RB	MARKING LINE EPOXY 8-INCH, RED, 2' SEG., 6' GAP
E-6WH	MARKING LINE EPOXY 6-INCH, WHITE, 2' SEG., 6' GAP
E-6WT	MARKING LINE EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
E-6WG	MARKING LINE EPOXY 6-INCH, WHITE, 5' SEG., 5' GAP
E-6WS	MARKING LINE EPOXY 6-INCH, WHITE, 10' SEG., 40' GAP

PAVEMENT MARKING LEGEND

E-1WL	MARKING LINE EPOXY 10-INCH WHITE
E-1WT	MARKING LINE EPOXY 10-INCH WHITE, 3' SEG., 9' GAP
MC-E	MARKING CURB EPOXY
MW-E	MARKING WORD EPOXY, WHITE
MS-E	MARKING SYMBOL EPOXY
A-E#	MARKING ARROW EPOXY, TYPE (B FOR BIKE LANE ARROW)
SL-E18	MARKING STOP LINE EPOXY, 18-INCH
CW-E	MARKING CROSSWALK EPOXY BLOCK STYLE, 24 INCH
MIN-E	MARKING ISLAND NOSE EPOXY
MD-12	MARKING DIAGONAL EPOXY 12-INCH



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PAVEMENT MARKING - HIGH POINT ROAD	SHEET 103 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\024501-PM.DWG
LAYOUT NAME - 07

PLOT DATE : 9/24/2026 12:35 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

MINERAL POINT ROAD

498+00 499+00 500+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00

US 12/14

MATCHLINE STA 14+85

JUNCTION ROAD

COMMERCE DRIVE

TREE LANE

WORK ZONE

MINERAL POINT ROAD

S. HIGH POINT ROAD

MATCHLINE STA 14+85

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00

28+00 29+00 30+00 31+00 32+00

310+00 309+00 308+00 307+00 306+00 305+00 304+00 303+00 302+00

BIG SKY DRIVE

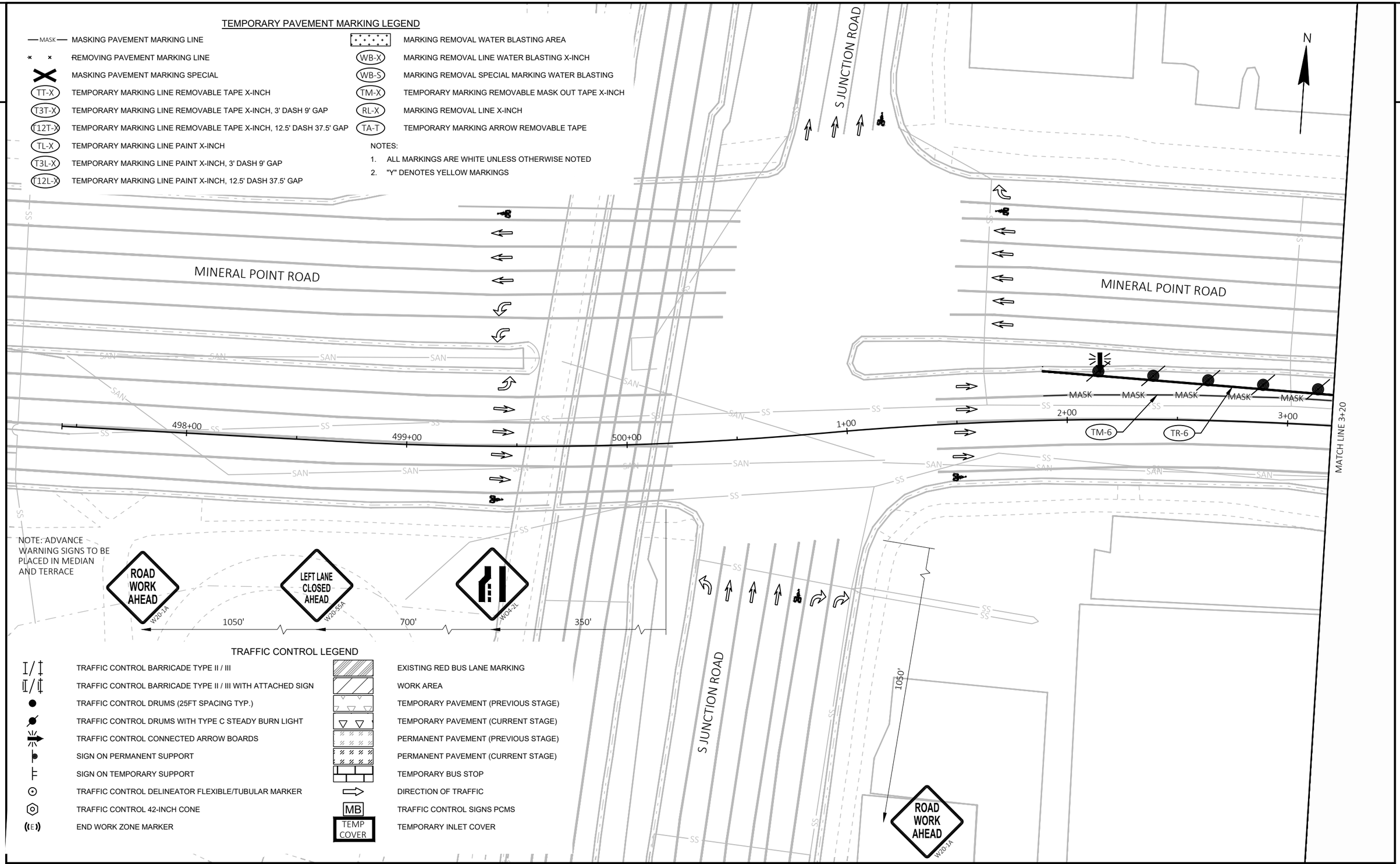
US 12/14

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 104	E

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 105 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1.DWG
LAYOUT NAME - 026101-s1
PLOT DATE : 10/1/2026 11:23 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL BARRICADE TYPE II / III
- TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)
- TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- END WORK ZONE MARKER
- EXISTING RED BUS LANE MARKING
- WORK AREA
- TEMPORARY PAVEMENT (PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CURRENT STAGE)
- PERMANENT PAVEMENT (PREVIOUS STAGE)
- PERMANENT PAVEMENT (CURRENT STAGE)
- TEMPORARY BUS STOP
- DIRECTION OF TRAFFIC
- MB — TRAFFIC CONTROL SIGNS PCMS
- TEMP COVER — TEMPORARY INLET COVER

MINERAL POINT ROAD

MATCH LINE 3+20

MATCH LINE 9+05

MASK

TR-6

TM-6

4+00

5+00

6+00

7+00

8+00

9+00

LEFT LANE MUST TURN LEFT
R3-7L
30"X30"

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

1050'

ROAD WORK AHEAD
W20-1A

COMMERCE DRIVE

N

TEMPORARY PAVEMENT MARKING LEGEND

- MASK — MASKING PAVEMENT MARKING LINE
- REMOVING PAVEMENT MARKING LINE
- MASKING PAVEMENT MARKING SPECIAL
- TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
- T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
- T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
- TL-X — TEMPORARY MARKING LINE PAINT X-INCH
- T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
- T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
- MARKING REMOVAL WATER BLASTING AREA
- WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
- WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
- TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
- RL-X — MARKING REMOVAL LINE X-INCH
- TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

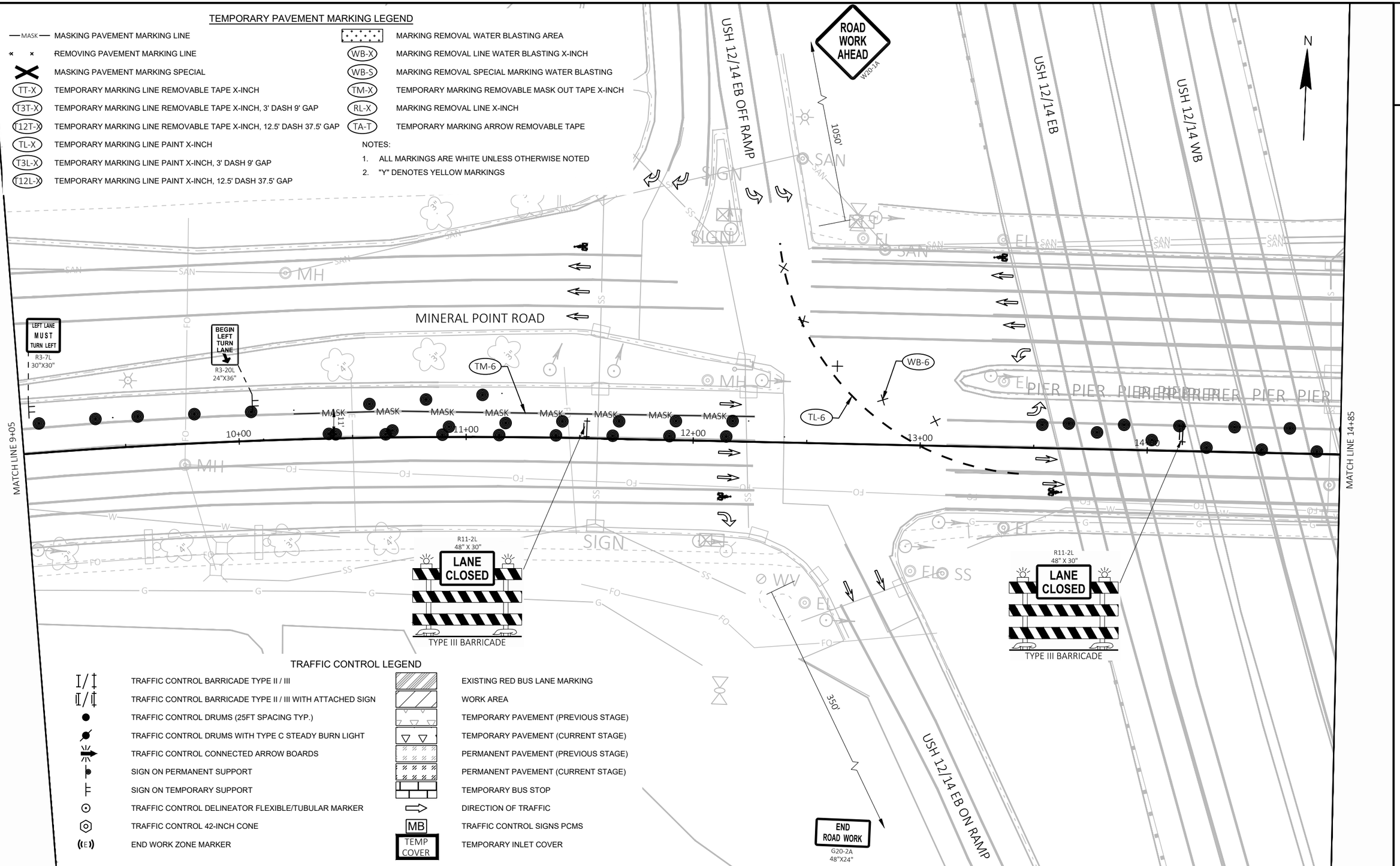
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 106	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1.DWG
LAYOUT NAME - 026102-s1
PLOT DATE : 10/1/2026 11:23 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
(E) — END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 107	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1.DWG
LAYOUT NAME - 026103-s1
PLOT DATE : 10/1/2026 11:23 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

END ROAD WORK
G20-2A
48"X24"

USH 12/14 WB ON RAMP

350'

MINERAL POINT ROAD

TEMP COVER

TEMP COVER

WB-S

WB-S

WB-S

WB-S

TA-T

TT-6

TA-T

15+00

16+00

17+00

18+00

19+00

20+00

MATCH LINE 14+85

MATCH LINE 20+50

11'

11'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

COVERING SIGNS TYPE II

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

1050'

ROAD WORK AHEAD
W20-1A

USH 12/14 WB

USH 12/14 WB OFF RAMP

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 108 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1.DWG
LAYOUT NAME - 026104-s1

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
* * REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

ROAD WORK AHEAD
W20-1A

1050'

TREE LANE

MINERAL POINT ROAD

R3-2
24"X24"

11'
11'

TEMP COVER
WB-S
WB-S
WB-S
WB-S
TEMP COVER
WB-S

21+00
22+00
23+00
24+00
25+00
26+00

TT-6

MATCH LINE 20+50

MATCH LINE 26+50

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BIG SKY DRIVE

R3-2
24"X24"

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
(E) — END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 109	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1.DWG
LAYOUT NAME - 026105-s1
PLOT DATE : 10/1/2026 11:23 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

MATCH LINE STA 306+10

S HIGH POINT ROAD

306+00

305+00

MINERAL POINT ROAD

WESTWARD WAY

GANSER WAY

N

TEMPORARY PAVEMENT MARKING LEGEND

MASK	MASKING PAVEMENT MARKING LINE
× ×	REMOVING PAVEMENT MARKING LINE
	MASKING PAVEMENT MARKING SPECIAL
TT-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
T3T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
T12T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
TL-X	TEMPORARY MARKING LINE PAINT X-INCH
T3L-X	TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
T12L-X	TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
	MARKING REMOVAL WATER BLASTING AREA
WB-X	MARKING REMOVAL LINE WATER BLASTING X-INCH
WB-S	MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TM-X	TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
RL-X	MARKING REMOVAL LINE X-INCH
TA-T	TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-1
24"X24"

EXCEPT BUS
R3-2
24"X24"

ONLY ONLY
R3-8xx
36"X30"

EXCEPT BUS
R3-2
24"X24"

ROAD WORK AHEAD
W20-1A
1050'

27+00 28+00 29+00 30+00 31+00 32+00

MATCH LINE 26+50

304+00

R3-2
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

1050'

ROAD WORK AHEAD
W20-1A

S HIGH POINT ROAD

303+00

TRAFFIC CONTROL LEGEND

	TRAFFIC CONTROL BARRICADE TYPE II / III
	TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN
	TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)
	TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
	TRAFFIC CONTROL CONNECTED ARROW BOARDS
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER
	TRAFFIC CONTROL 42-INCH CONE
(E)	END WORK ZONE MARKER
	EXISTING RED BUS LANE MARKING
	WORK AREA
	TEMPORARY PAVEMENT (PREVIOUS STAGE)
	TEMPORARY PAVEMENT (CURRENT STAGE)
	PERMANENT PAVEMENT (PREVIOUS STAGE)
	PERMANENT PAVEMENT (CURRENT STAGE)
	TEMPORARY BUS STOP
	DIRECTION OF TRAFFIC
MB	TRAFFIC CONTROL SIGNS PCMS
TEMP COVER	TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 110 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1.DWG
LAYOUT NAME - 026106-s1

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TRAFFIC CONTROL LEGEND

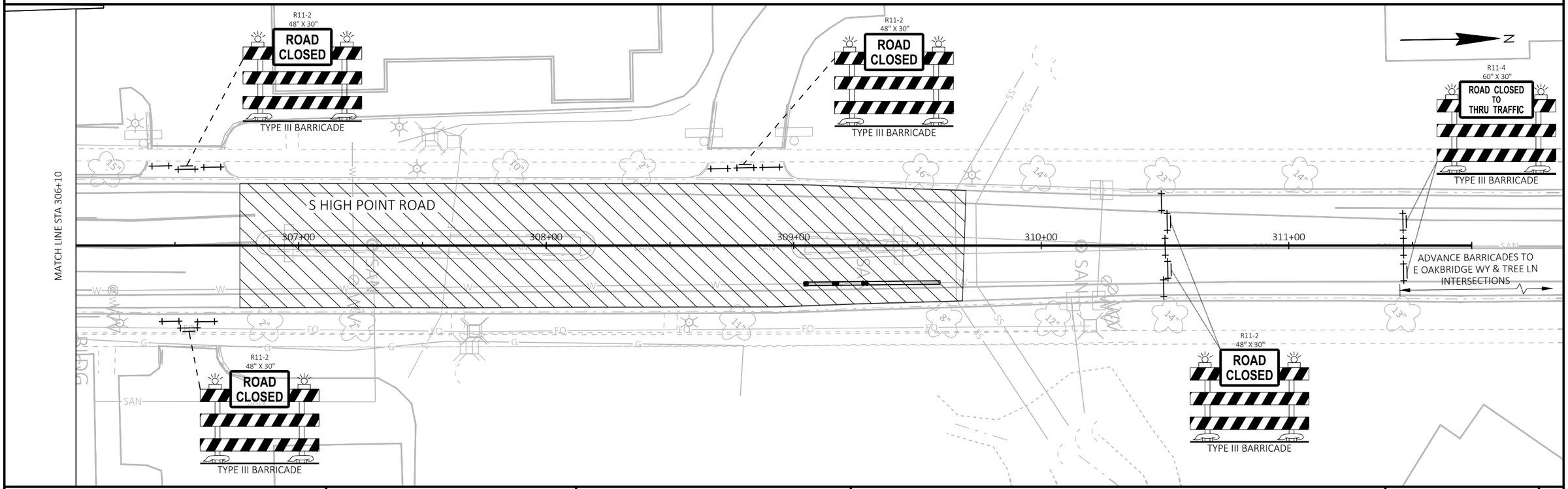
- TRAFFIC CONTROL BARRICADE TYPE II / III
- TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)
- TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- END WORK ZONE MARKER
- EXISTING RED BUS LANE MARKING
- WORK AREA
- TEMPORARY PAVEMENT (PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CURRENT STAGE)
- PERMANENT PAVEMENT (PREVIOUS STAGE)
- PERMANENT PAVEMENT (CURRENT STAGE)
- TEMPORARY BUS STOP
- DIRECTION OF TRAFFIC
- MB — TRAFFIC CONTROL SIGNS PCMS
- TEMP COVER — TEMPORARY INLET COVER

TEMPORARY PAVEMENT MARKING LEGEND

- MASK — MASKING PAVEMENT MARKING LINE
- REMOVING PAVEMENT MARKING LINE
- MASKING PAVEMENT MARKING SPECIAL
- TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
- T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
- T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
- TL-X — TEMPORARY MARKING LINE PAINT X-INCH
- T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
- T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
- MARKING REMOVAL WATER BLASTING AREA
- WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
- WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
- TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
- RL-X — MARKING REMOVAL LINE X-INCH
- TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 111	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1.DWG
LAYOUT NAME - 026107-s1

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

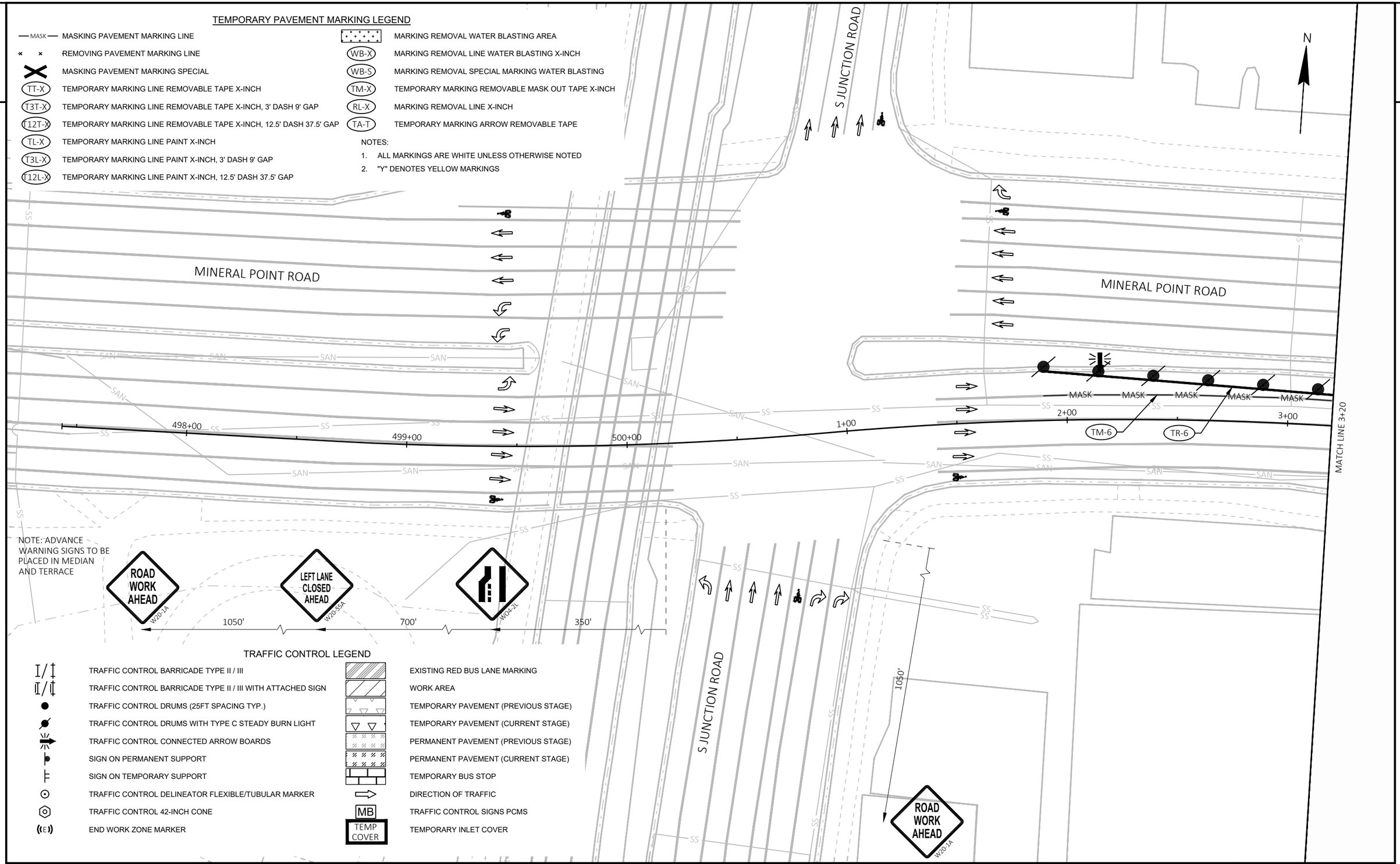
2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 112	E

TEMPORARY PAVEMENT MARKING LEGEND

—MASK— MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X MARKING REMOVAL LINE X-INCH
T12T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 113 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2.DWG
LAYOUT NAME - 026201-s2
PLOT DATE : 10/1/2026 11:23 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

MINERAL POINT ROAD

MATCH LINE 3+20

MATCH LINE 9+05

MASK MASK MASK MASK MASK

TR-6

TM-6

4+00 5+00 6+00 7+00 8+00 9+00

LEFT LANE MUST TURN LEFT
R3-7L
30"X30"

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

1050'

ROAD WORK AHEAD
W20-1A

COMMERCE DRIVE

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 114	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2.DWG
LAYOUT NAME - 026202-s2

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT MARKING LEGEND

—MASK— MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	(WB-X) MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	(WB-S) MARKING REMOVAL SPECIAL MARKING WATER BLASTING
(TT-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	(TM-X) TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
(T3T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	(RL-X) MARKING REMOVAL LINE X-INCH
(T12T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	(TA-T) TEMPORARY MARKING ARROW REMOVABLE TAPE
(TL-X) TEMPORARY MARKING LINE PAINT X-INCH	
(T3L-X) TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
(T12L-X) TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

MINERAL POINT ROAD

USH 12/14 EB OFF RAMP

USH 12/14 EB

USH 12/14 WB

USH 12/14 EB ON RAMP

ROAD WORK AHEAD W20-1A

1050'

350'

LEFT LANE MUST TURN LEFT R3-7L 30"X30"

BEGIN LEFT TURN LANE R3-20L 24"X36"

TM-6

WB-6

TL-6

MASK

10+00

11+00

12+00

13+00

14+00

MATCH LINE 9+05

MATCH LINE 14+85

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

END ROAD WORK G20-2A 48"X24"

N

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 115	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2.DWG
LAYOUT NAME - 026203-s2
PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

END ROAD WORK
G20-2A
48"X24"
350'

END ROAD WORK
G20-2A
48"X24"
350'

USH 12/14 WB ON RAMP

N

CONTRACTOR TO ADJUST TURN LANE OPENING LOCATION AS NECESSARY FOR PAVING OPERATIONS

BEGIN LEFT TURN LANE
R3-20L
24"X36"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

MINERAL POINT ROAD

15+00 16+00 17+00 18+00 19+00 20+00

MATCH LINE 14+85

MATCH LINE 20+50

11'

TT-6Y

T3T-6

TA-T

EXISTING PAVEMENT MARKING TO REMAIN

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

1050'

ROAD WORK AHEAD
W20-1A

USH 12/14 WB

USH 12/14 WB OFF RAMP

BLDG

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 116 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2.DWG
LAYOUT NAME - 026204-s2

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 20+50

TREE LANE

MINERAL POINT ROAD

BIG SKY DRIVE

21+00 22+00 23+00 24+00 25+00 26+00

R3-2 24"X24"

R3-2 24"X24"

R3-2 24"X24"

TT-6Y

TT-6Y

TA-T

R3-2 24"X24"

W24-7L

R3-8xx 36"X30"

ONLY ONLY

MATCH LINE 26+50

2

N

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	(WB-X) MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	(WB-S) MARKING REMOVAL SPECIAL MARKING WATER BLASTING
(TT-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	(TM-X) TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
(T3T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	(RL-X) MARKING REMOVAL LINE X-INCH
(T12T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	(TA-T) TEMPORARY MARKING ARROW REMOVABLE TAPE
(TL-X) TEMPORARY MARKING LINE PAINT X-INCH	
(T3L-X) TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
(T12L-X) TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

MATCH LINE STA 302+65

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 117	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2.DWG
LAYOUT NAME - 026205-s2

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

MATCH LINE STA 306+10

S HIGH POINT ROAD

306+00

305+00

304+00

303+00

TEMPORARY BUS STOP

WO1-6 48"X24"

TA-T

TT-6Y

T3T-6

R3-1 24"X24"

R3-2 24"X24"

EXCEPT BUS

WO1-4L

MINERAL POINT ROAD

27+00

28+00

29+00

30+00

31+00

32+00

350'

MATCH LINE 26+50

END ROAD WORK G20-2A 48"X24"

MATCH LINE STA 302+65

WESTWARD WAY

N

1050'

700'

350'

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5R

WO4-2R

NOTE: ADVANCE WARNING SIGNS TO BE PLACED IN MEDIAN AND TERRACE WHERE POSSIBLE

WO1-6 48" X 24"

TYPE III BARRICADE

GANSER WAY

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 118	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2.DWG
LAYOUT NAME - 026206-s2

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

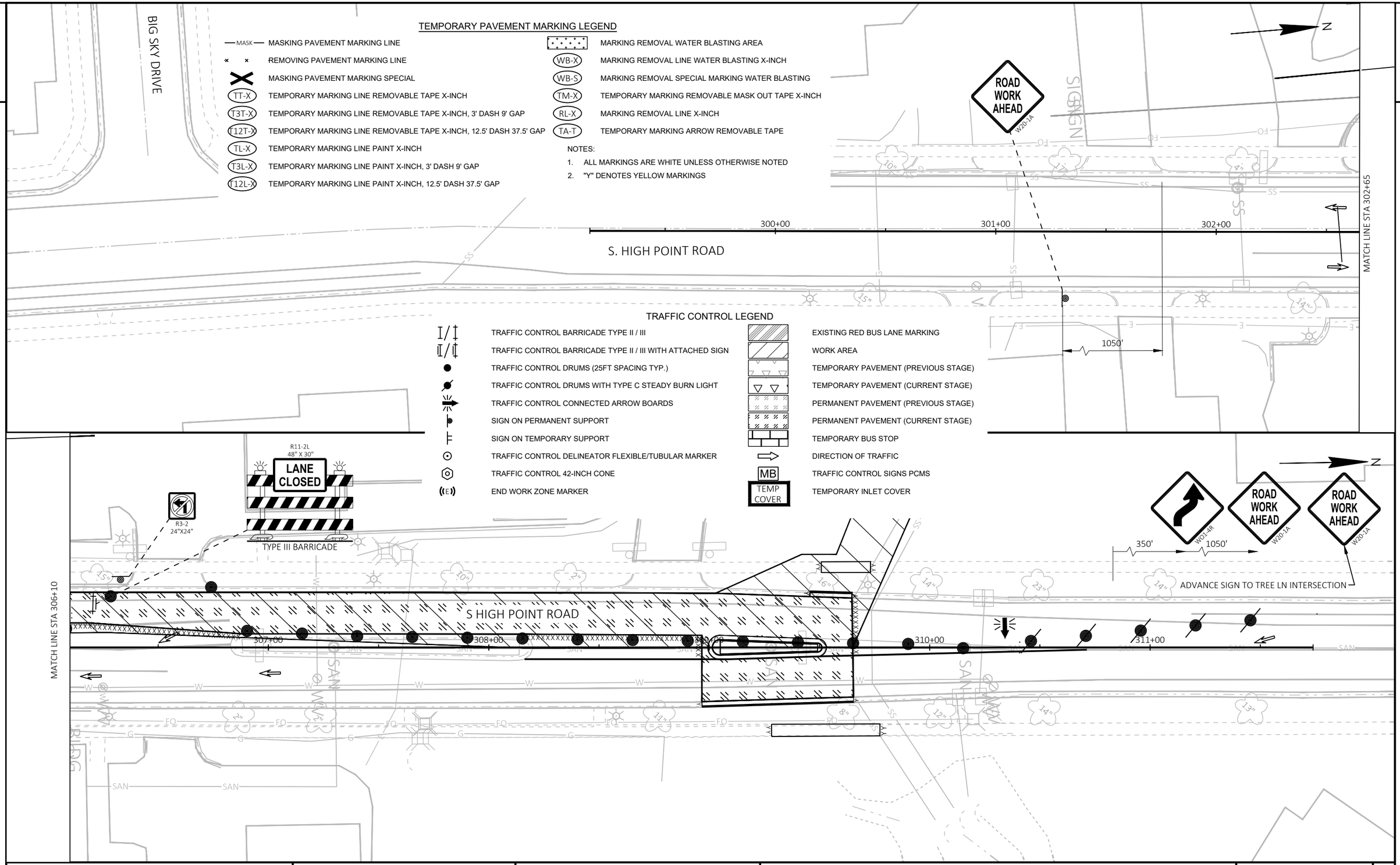
TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMPORARY INLET COVER



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 119 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2.DWG
LAYOUT NAME - 026207-s2
PLOT DATE : 10/1/2026 11:23 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

USH 12/14 WB ON RAMP

MINERAL POINT ROAD

115+00 116+00 117+00 118+00 119+00 120+00

15+00 16+00 17+00 18+00 19+00 20+00

TT-6Y TT-6Y T3L-6 TA-T

MATCH LINE 14+85

MATCH LINE 20+50

11' 11'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

USH 12/14 WB

USH 12/14 WB OFF RAMP

TRAFFIC CONTROL LEGEND

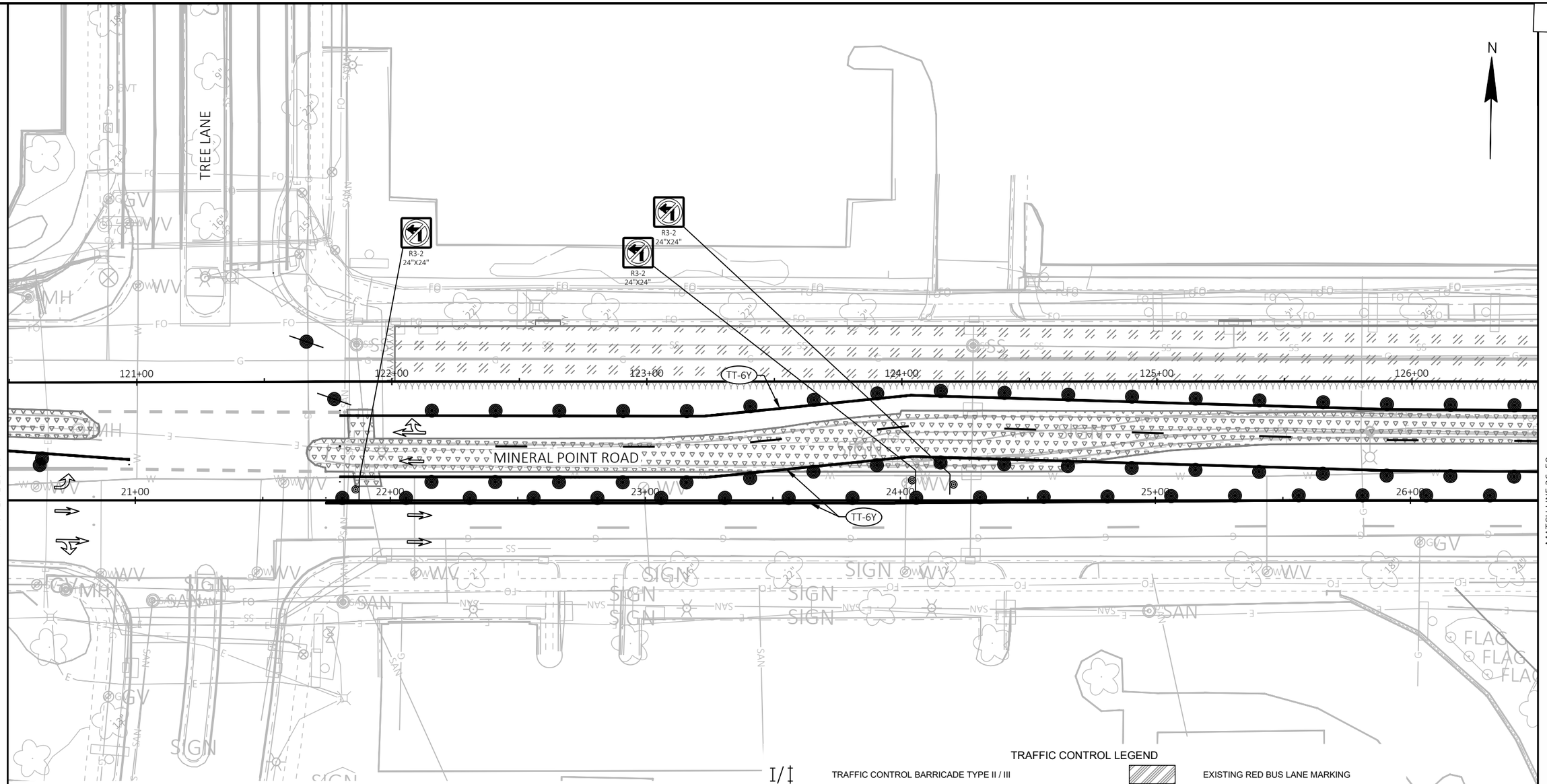
TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A	SHEET 120	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2A.DWG
LAYOUT NAME - 026201-s2A

PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TEMPORARY PAVEMENT MARKING LEGEND

MASK	MASKING PAVEMENT MARKING LINE		MARKING REMOVAL WATER BLASTING AREA
	REMOVING PAVEMENT MARKING LINE	WB-X	MARKING REMOVAL LINE WATER BLASTING X-INCH
	MASKING PAVEMENT MARKING SPECIAL	WB-S	MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X	TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X	MARKING REMOVAL LINE X-INCH
T12T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T	TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X	TEMPORARY MARKING LINE PAINT X-INCH		
T3L-X	TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP		
T12L-X	TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP		

NOTES:

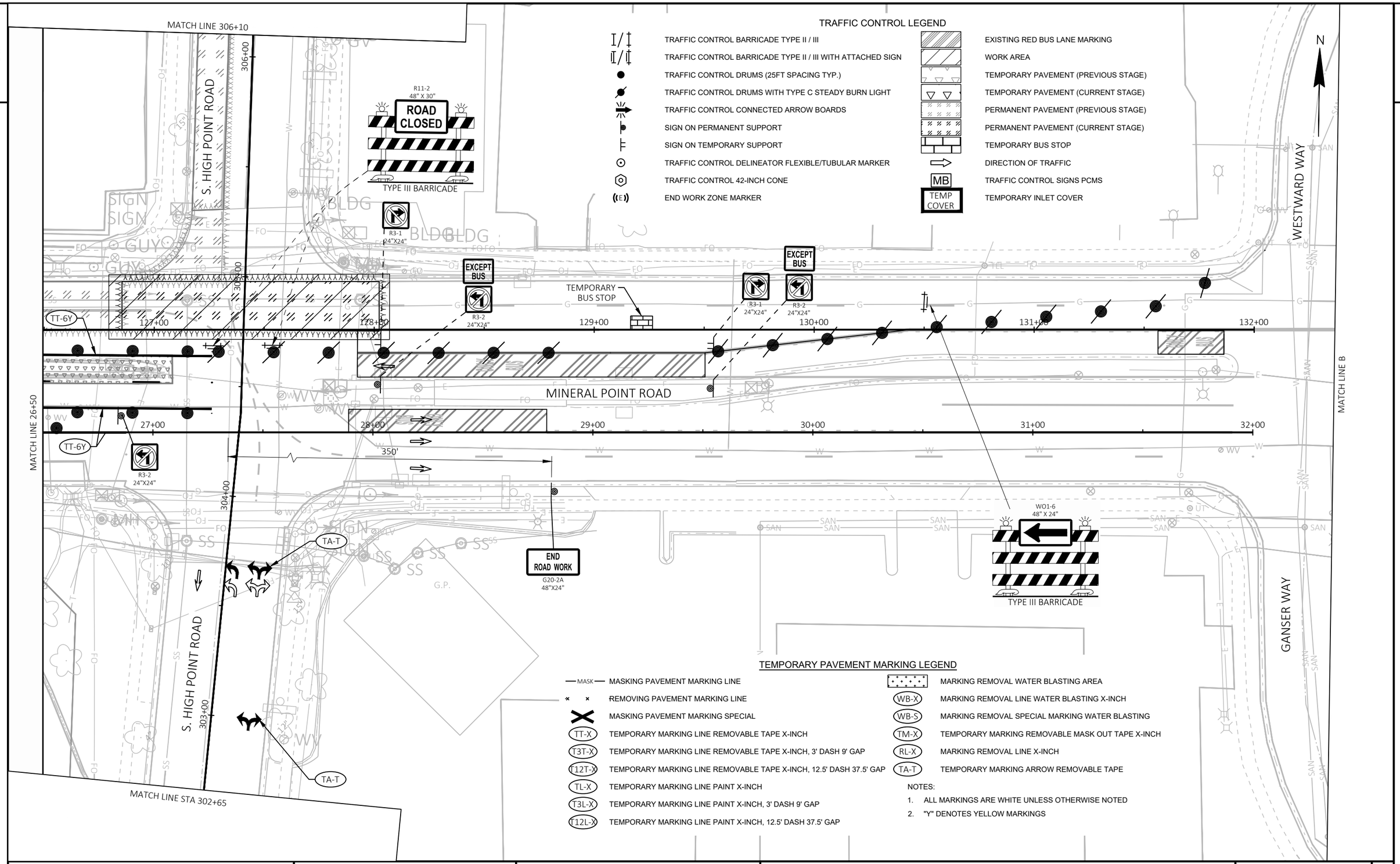
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

	TRAFFIC CONTROL BARRICADE TYPE II / III		EXISTING RED BUS LANE MARKING
	TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN		WORK AREA
	TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)		TEMPORARY PAVEMENT (PREVIOUS STAGE)
	TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT		TEMPORARY PAVEMENT (CURRENT STAGE)
	TRAFFIC CONTROL CONNECTED ARROW BOARDS		PERMANENT PAVEMENT (PREVIOUS STAGE)
	SIGN ON PERMANENT SUPPORT		PERMANENT PAVEMENT (CURRENT STAGE)
	SIGN ON TEMPORARY SUPPORT		TEMPORARY BUS STOP
	TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER		DIRECTION OF TRAFFIC
	TRAFFIC CONTROL 42-INCH CONE	MB	TRAFFIC CONTROL SIGNS PCMS
(E)	END WORK ZONE MARKER	TEMP COVER	TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A	SHEET 121	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2A.DWG
LAYOUT NAME - 026202-s2A
PLOT DATE : 10/1/2026 11:23 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL BARRICADE TYPE II / III
- TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)
- TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- END WORK ZONE MARKER
- EXISTING RED BUS LANE MARKING
- WORK AREA
- TEMPORARY PAVEMENT (PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CURRENT STAGE)
- PERMANENT PAVEMENT (PREVIOUS STAGE)
- PERMANENT PAVEMENT (CURRENT STAGE)
- TEMPORARY BUS STOP
- DIRECTION OF TRAFFIC
- MB — TRAFFIC CONTROL SIGNS PCMS
- TEMP COVER — TEMPORARY INLET COVER

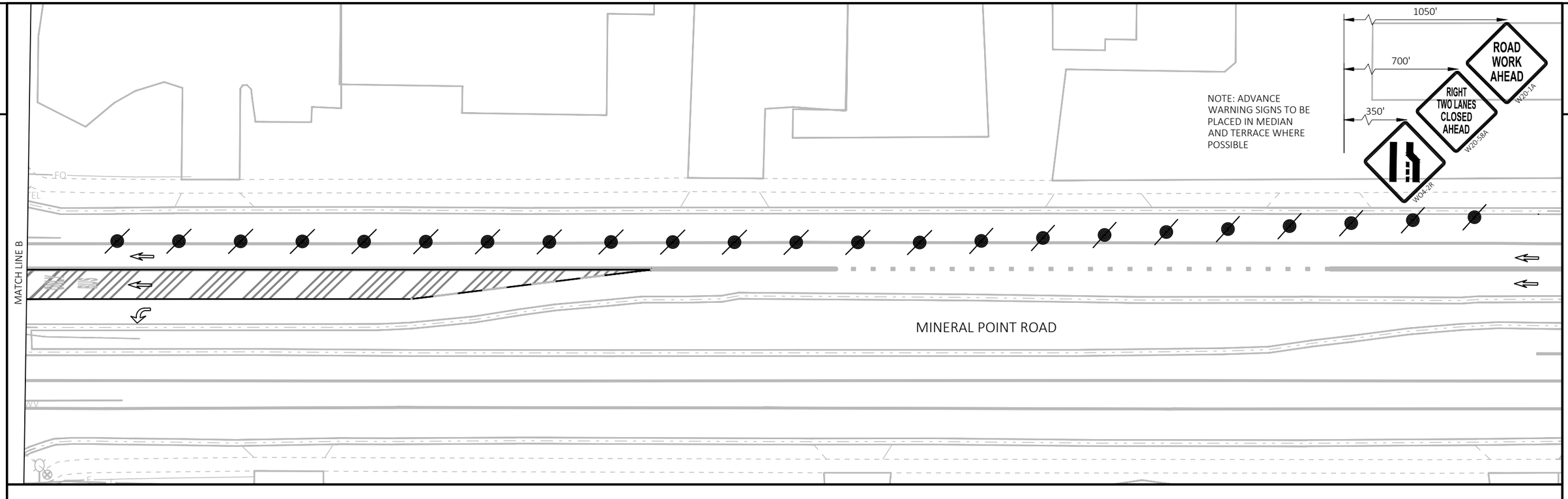
TEMPORARY PAVEMENT MARKING LEGEND

- MASK — MASKING PAVEMENT MARKING LINE
- REMOVING PAVEMENT MARKING LINE
- MASKING PAVEMENT MARKING SPECIAL
- TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
- T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
- T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
- TL-X — TEMPORARY MARKING LINE PAINT X-INCH
- T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
- T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
- MARKING REMOVAL WATER BLASTING AREA
- WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
- WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
- TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
- RL-X — MARKING REMOVAL LINE X-INCH
- TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A	SHEET 122	E



2

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL BARRICADE TYPE II / III
- TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)
- TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- END WORK ZONE MARKER
- EXISTING RED BUS LANE MARKING
- WORK AREA
- TEMPORARY PAVEMENT (PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CURRENT STAGE)
- PERMANENT PAVEMENT (PREVIOUS STAGE)
- PERMANENT PAVEMENT (CURRENT STAGE)
- TEMPORARY BUS STOP
- DIRECTION OF TRAFFIC
- MB — TRAFFIC CONTROL SIGNS PCMS
- TEMP COVER — TEMPORARY INLET COVER

TEMPORARY PAVEMENT MARKING LEGEND

- MASK — MASKING PAVEMENT MARKING LINE
- REMOVING PAVEMENT MARKING LINE
- MASKING PAVEMENT MARKING SPECIAL
- TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
- T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
- T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
- TL-X — TEMPORARY MARKING LINE PAINT X-INCH
- T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
- T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
- MARKING REMOVAL WATER BLASTING AREA
- WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
- WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
- TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
- RL-X — MARKING REMOVAL LINE X-INCH
- TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A	SHEET 123	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2A.DWG
LAYOUT NAME - 026204-s2a
PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL BARRICADE TYPE II / III
- TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)
- TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- END WORK ZONE MARKER
- EXISTING RED BUS LANE MARKING
- WORK AREA
- TEMPORARY PAVEMENT (PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CURRENT STAGE)
- PERMANENT PAVEMENT (PREVIOUS STAGE)
- PERMANENT PAVEMENT (CURRENT STAGE)
- TEMPORARY BUS STOP
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGNS PCMS
- TEMPORARY INLET COVER

TEMPORARY PAVEMENT MARKING LEGEND

- MASK — MASKING PAVEMENT MARKING LINE
- REMOVING PAVEMENT MARKING LINE
- MASKING PAVEMENT MARKING SPECIAL
- (TT-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
- (T3T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
- (T12T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
- (TL-X) TEMPORARY MARKING LINE PAINT X-INCH
- (T3L-X) TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
- (T12L-X) TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
- MARKING REMOVAL WATER BLASTING AREA
- (WB-X) MARKING REMOVAL LINE WATER BLASTING X-INCH
- (WB-S) MARKING REMOVAL SPECIAL MARKING WATER BLASTING
- (TM-X) TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
- (RL-X) MARKING REMOVAL LINE X-INCH
- (TA-T) TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

BIG SKY DRIVE

ROAD WORK AHEAD W20-1A

SIGN

300+00 301+00 302+00

S. HIGH POINT ROAD

1050'

MATCH LINE STA 302+65

N

R11-4 60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

ADVANCE BARRICADES TO E OAKBRIDGE WY & TREE LN INTERSECTIONS

MATCH LINE STA 306+10

307+00 308+00 309+00 310+00 311+00

S. HIGH POINT ROAD

R11-2 48" X 30"
ROAD CLOSED
TYPE III BARRICADE

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A	SHEET 124	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2A.DWG
LAYOUT NAME - 026205-s2A
PLOT DATE : 10/1/2026 11:23 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TEMPORARY PAVEMENT MARKING LEGEND

—MASK— MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X MARKING REMOVAL LINE X-INCH
T12T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

USH 12/14 WB ON RAMP

TT-6

MASK MASK MASK MASK MASK

T12L-6

MASK

MINERAL POINT ROAD

MATCH LINE 14+85

MATCH LINE 20+50

15+00 16+00 17+00 18+00 19+00 20+00

11' 11'

1050'

ROAD WORK AHEAD W20-1A

700'

RIGHT LANE CLOSED AHEAD W20-5A

350'

W04-2R

TT-6Y

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

USH 12/14 WB

USH 12/14 WB OFF RAMP

BLDG BLDG

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B	SHEET 125	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2B.DWG
LAYOUT NAME - 026201-s2B

PLOT DATE : 10/1/2026 11:24 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASK —	MASKING PAVEMENT MARKING LINE
× ×	REMOVING PAVEMENT MARKING LINE
	MASKING PAVEMENT MARKING SPECIAL
TT-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
T3T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
T12T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
TL-X	TEMPORARY MARKING LINE PAINT X-INCH
T3L-X	TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
T12L-X	TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
	MARKING REMOVAL WATER BLASTING AREA
WB-X	MARKING REMOVAL LINE WATER BLASTING X-INCH
WB-S	MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TM-X	TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
RL-X	MARKING REMOVAL LINE X-INCH
TA-T	TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

TREE LANE

MINERAL POINT ROAD

BIG SKY DRIVE

TT-6

T12L-6

TT-6Y

TT-6Y

ONLY ONLY

R3-8xx
36"X30"

21+00 22+00 23+00 24+00 25+00 26+00

MATCH LINE 20+50

MATCH LINE 26+50

MATCH LINE STA 302+65

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
(E) — END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B	SHEET 126	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2B.DWG
LAYOUT NAME - 026202-s2B

PLOT DATE : 10/1/2026 11:24 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	(WB-X) MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	(WB-S) MARKING REMOVAL SPECIAL MARKING WATER BLASTING
(TT-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	(TM-X) TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
(T3T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	(RL-X) MARKING REMOVAL LINE X-INCH
(T12T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	(TA-T) TEMPORARY MARKING ARROW REMOVABLE TAPE
(TL-X) TEMPORARY MARKING LINE PAINT X-INCH	
(T3L-X) TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
(T12L-X) TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

MATCH LINE STA 306+10

S. HIGH POINT ROAD

306+00

305+00

304+00

303+00

MATCH LINE 26+50

MATCH LINE STA 302+65

WO1-6 48"X24"

R3-2 24"X24"

WO1-4L

T12L-6

TT-6

T3T-6

TT-6Y

MINERAL POINT ROAD

27+00

28+00

29+00

30+00

31+00

32+00

350'

MASK

TA-T

END ROAD WORK G20-2A 48"X24"

WO1-6 48" X 24"

TYPE III BARRICADE

1050'

700'

350'

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5R

WO4-2R

NOTE: ADVANCE WARNING SIGNS TO BE PLACED IN MEDIAN AND TERRACE WHERE POSSIBLE

GANSER WAY

N

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	(MB) TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	(TEMP COVER) TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B	SHEET 127	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2B.DWG
LAYOUT NAME - 026203-s2B

PLOT DATE : 10/1/2026 11:24 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

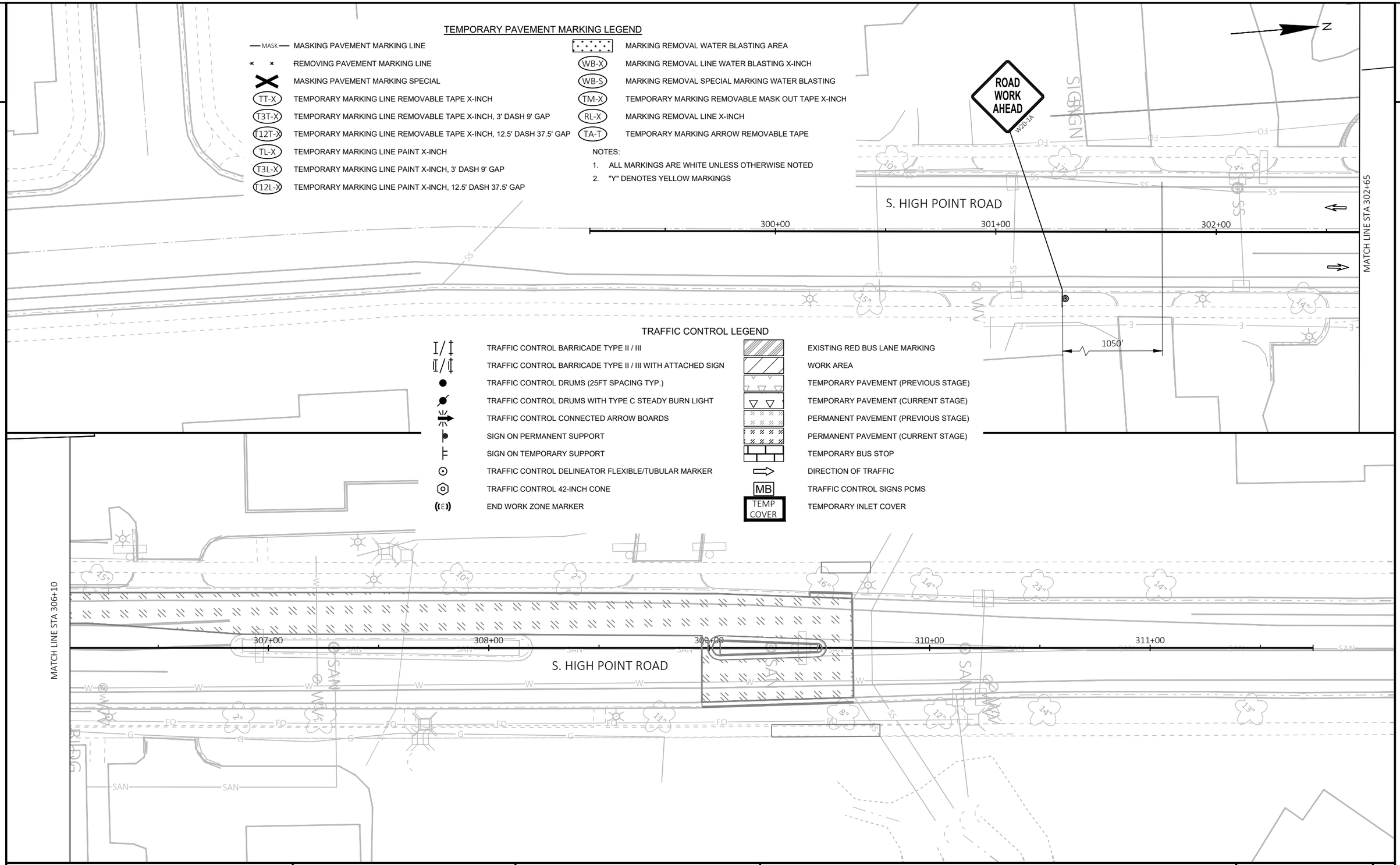
MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	WB-X MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X MARKING REMOVAL LINE X-INCH
T12T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B	SHEET 128 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2B.DWG
LAYOUT NAME - 026204-s2B

PLOT DATE : 10/1/2026 11:24 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

MINERAL POINT ROAD

498+00 499+00 500+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00

102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00

US 12/14

MATCHLINE STA 14+85

JUNCTION ROAD

COMMERCE DRIVE

MATCHLINE STA 14+85

TREE LANE

BIG SKY DRIVE

US 12/14

WORK ZONE

S. HIGH POINT ROAD

S. HIGH POINT ROAD

MINERAL POINT ROAD

MINERAL POINT ROAD

5+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00

116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00

128+00 129+00 130+00 131+00 132+00

28+00 29+00 30+00 31+00 32+00

302+00 303+00 304+00 305+00 306+00 307+00 308+00 309+00 310+00

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 129	E

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

MINERAL POINT ROAD

S JUNCTION ROAD

498+00 499+00 500+00 1+00 2+00 3+00 102+00 103+00

MATCH LINE 3+20

N

350' 700' 1050'

W04-2R — RIGHT TWO LANES CLOSED AHEAD W20-5RA

W20-1A — ROAD WORK AHEAD

NOTE: ADVANCE WARNING SIGNS TO BE PLACED IN MEDIAN AND TERRACE WHERE POSSIBLE

WO1-6 48" X 24"

TYPE III BARRICADE

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 130 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3.DWG
LAYOUT NAME - 026301-s3

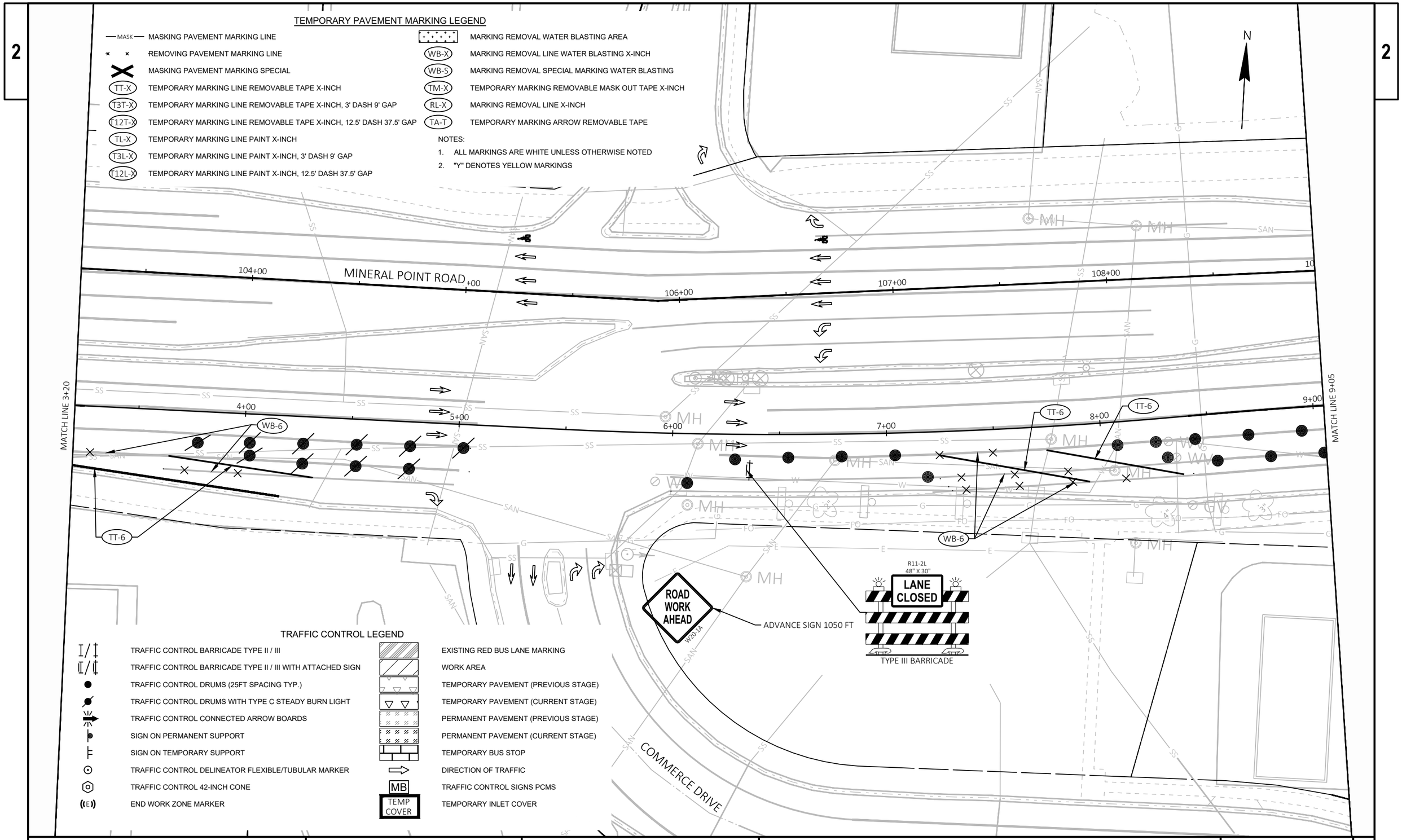
PLOT DATE : 10/1/2026 11:24 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	WB-X MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X MARKING REMOVAL LINE X-INCH
T12T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 131	E

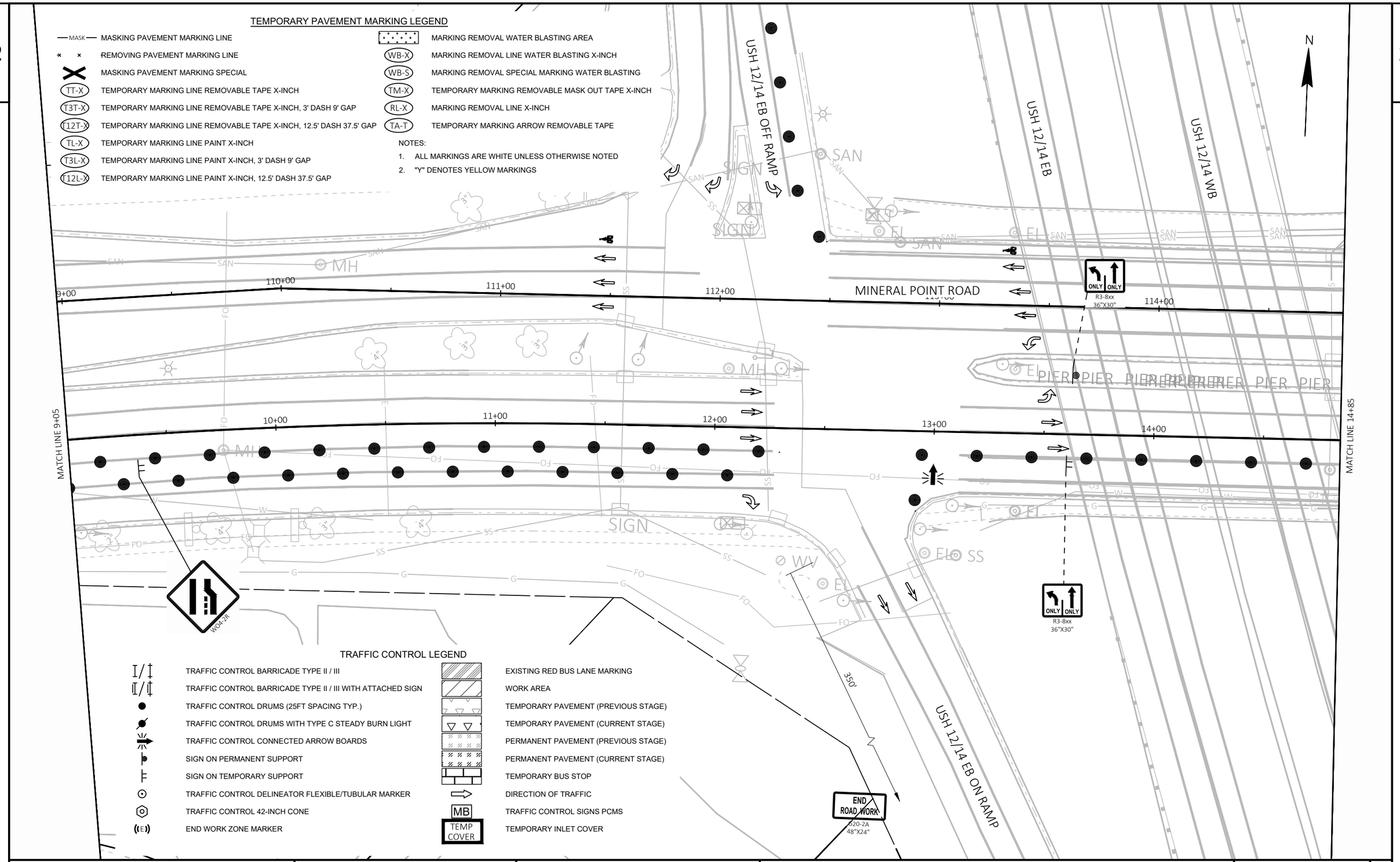
FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3.DWG
LAYOUT NAME - 026302-s3
PLOT DATE : 10/1/2026 11:24 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

TEMPORARY PAVEMENT MARKING LEGEND

—MASK— MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	(WB-X) MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	(WB-S) MARKING REMOVAL SPECIAL MARKING WATER BLASTING
(TT-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	(TM-X) TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
(T3T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	(RL-X) MARKING REMOVAL LINE X-INCH
(T12T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	(TA-T) TEMPORARY MARKING ARROW REMOVABLE TAPE
(TL-X) TEMPORARY MARKING LINE PAINT X-INCH	
(T3L-X) TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
(T12L-X) TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 132 E

2

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

END ROAD WORK
G20-2A
48"X24"

USH 12/14 WB ON RAMP

350'

MINERAL POINT ROAD

115+00 116+00 117+00 118+00 119+00 120+00

END ROAD WORK
G20-2A
48"X24"

TL-6Y T12L-6

T3L-6

15+00 16+00 17+00 18+00 19+00 20+00

MATCH LINE 14+85

MATCH LINE 20+50

W024-1L

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

200'

1050'

MAX. 12' WIDTH
W12-52
48"X48"

ROAD WORK AHEAD
W20-1A

USH 12/14 WB

USH 12/14 WB OFF RAMP

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

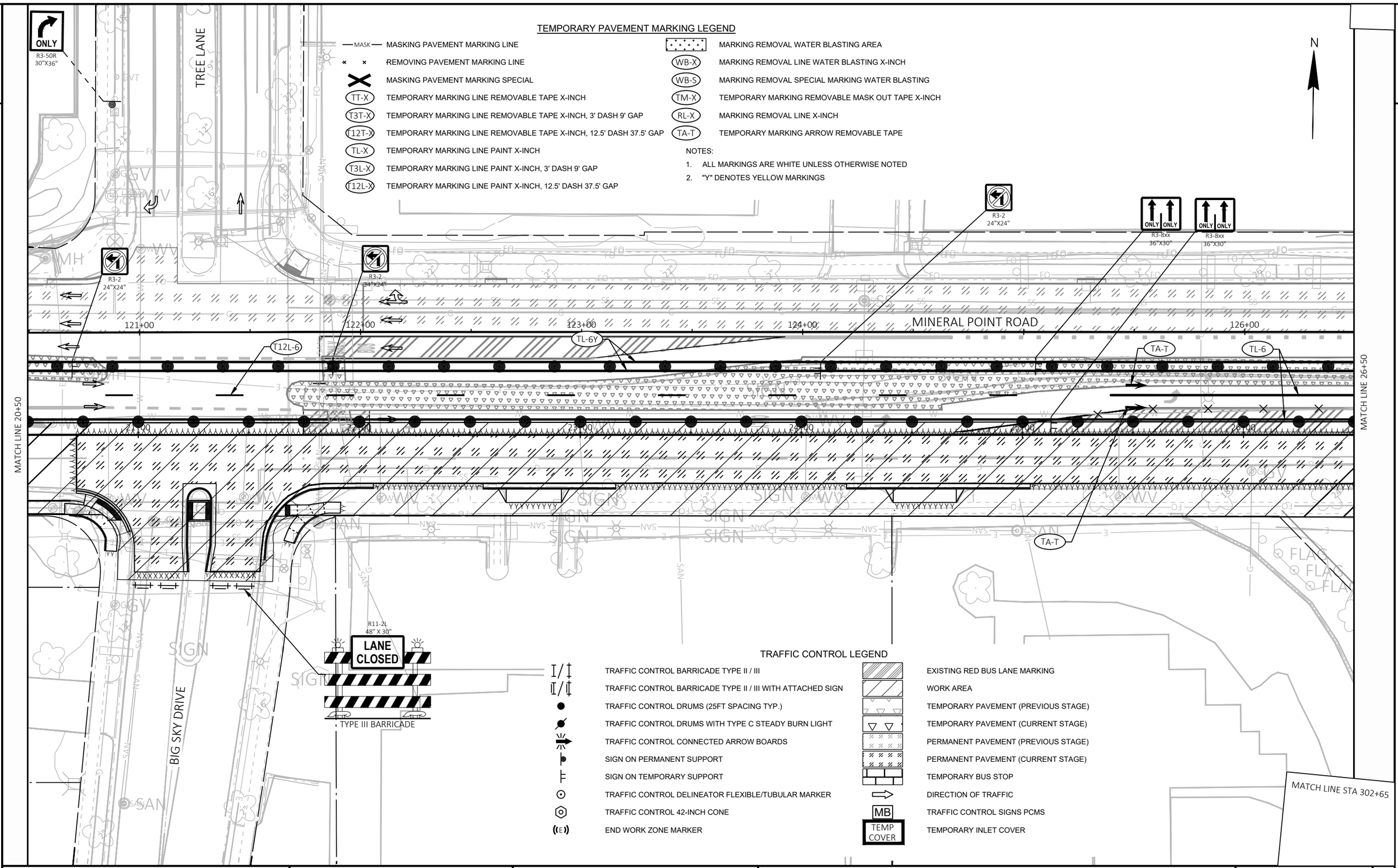
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 133 E

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	(WB-X) MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	(WB-S) MARKING REMOVAL SPECIAL MARKING WATER BLASTING
(TT-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	(TM-X) TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
(T3T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	(RL-X) MARKING REMOVAL LINE X-INCH
(T12T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	(TA-T) TEMPORARY MARKING ARROW REMOVABLE TAPE
(TL-X) TEMPORARY MARKING LINE PAINT X-INCH	
(T3L-X) TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
(T12L-X) TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

	TRAFFIC CONTROL BARRICADE TYPE II / III		EXISTING RED BUS LANE MARKING
	TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN		WORK AREA
	TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)		TEMPORARY PAVEMENT (PREVIOUS STAGE)
	TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT		TEMPORARY PAVEMENT (CURRENT STAGE)
	TRAFFIC CONTROL CONNECTED ARROW BOARDS		PERMANENT PAVEMENT (PREVIOUS STAGE)
	SIGN ON PERMANENT SUPPORT		PERMANENT PAVEMENT (CURRENT STAGE)
	SIGN ON TEMPORARY SUPPORT		TEMPORARY BUS STOP
	TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER		DIRECTION OF TRAFFIC
	TRAFFIC CONTROL 42-INCH CONE	MB	TRAFFIC CONTROL SIGNS PCMS
(E)	END WORK ZONE MARKER	TEMP COVER	TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 134	E

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

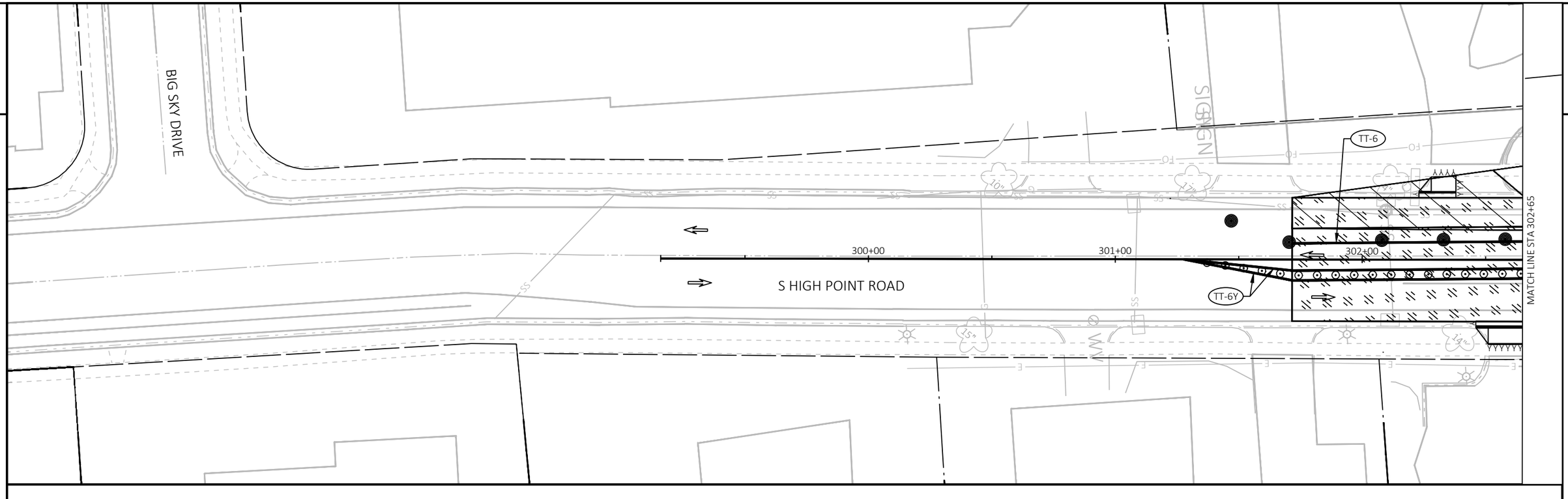
NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 135 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3.DWG
LAYOUT NAME - 026306-s3
PLOT DATE : 10/1/2026 11:24 AM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	WB-X MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X MARKING REMOVAL LINE X-INCH
T12T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

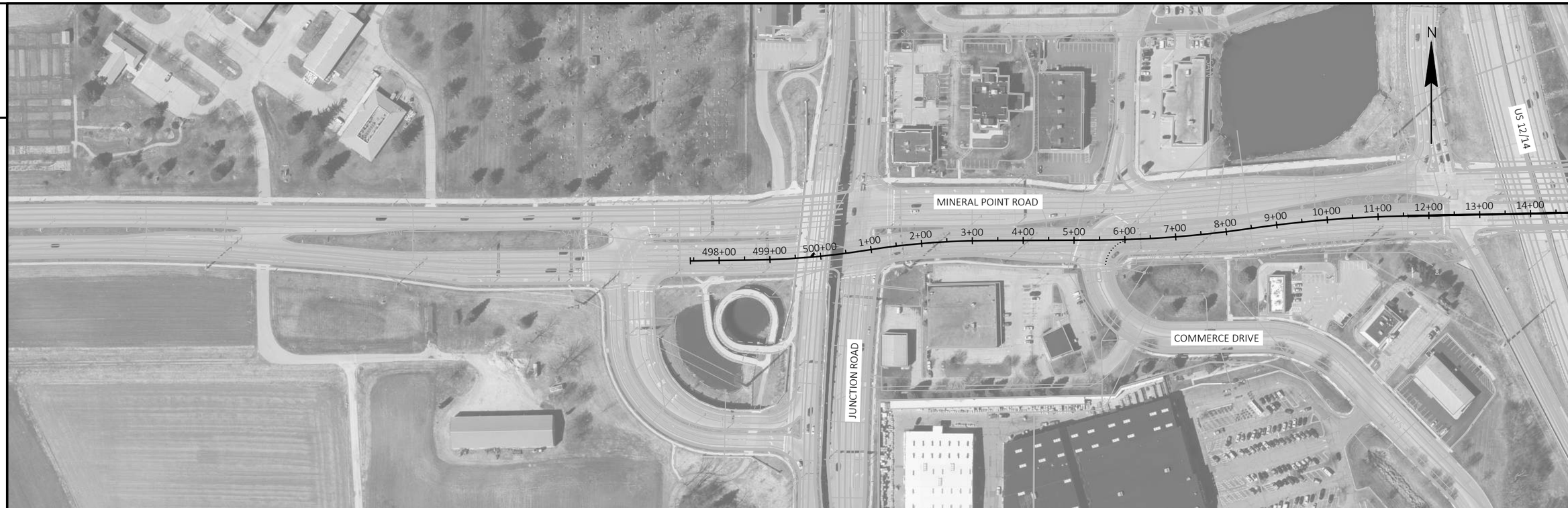
NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

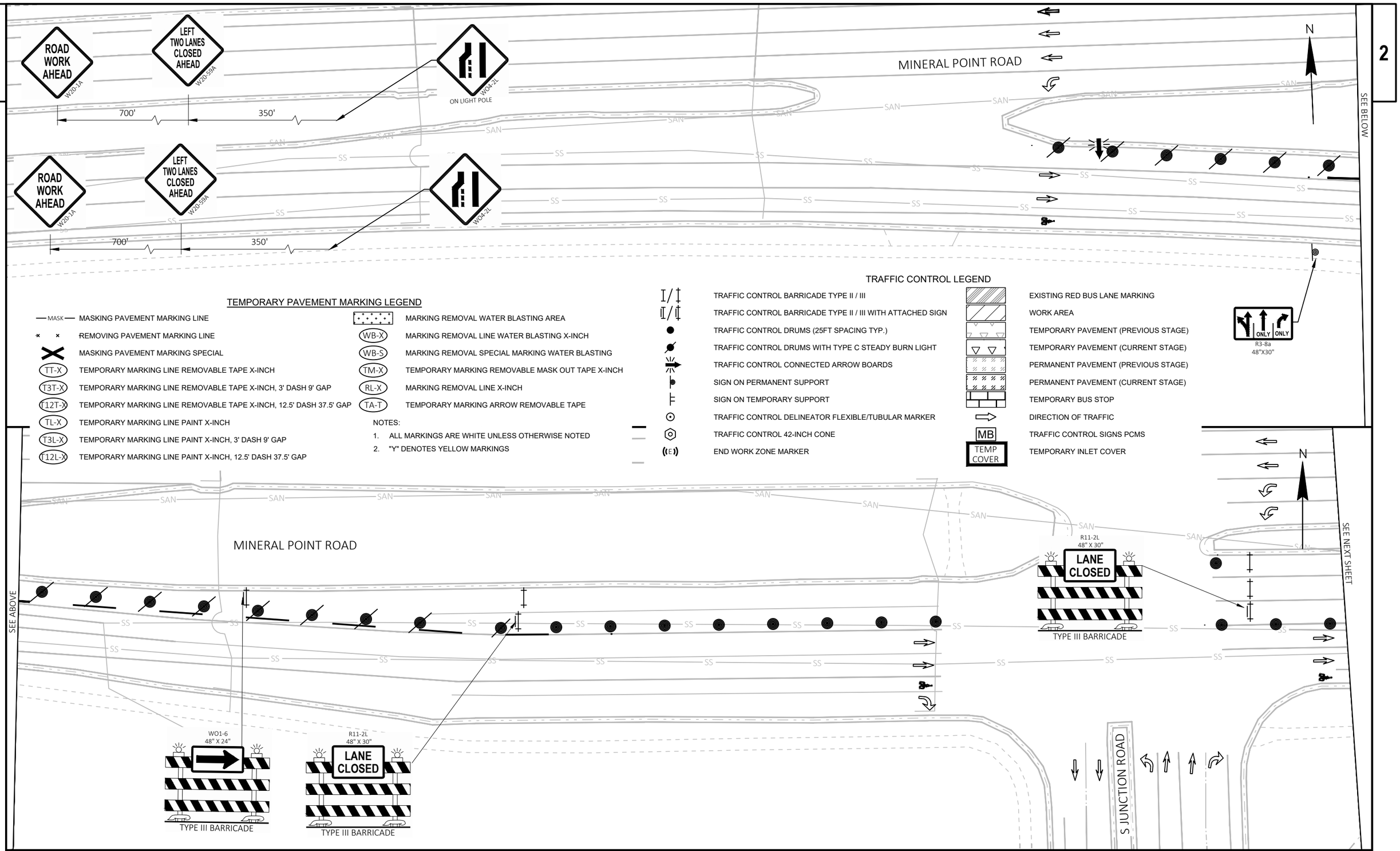
2



2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 137	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 0264001-s4-Overview
PLOT DATE : 9/24/2026 12:38 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 138	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 026400-s4

PLOT DATE : 10/1/2026 11:25 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

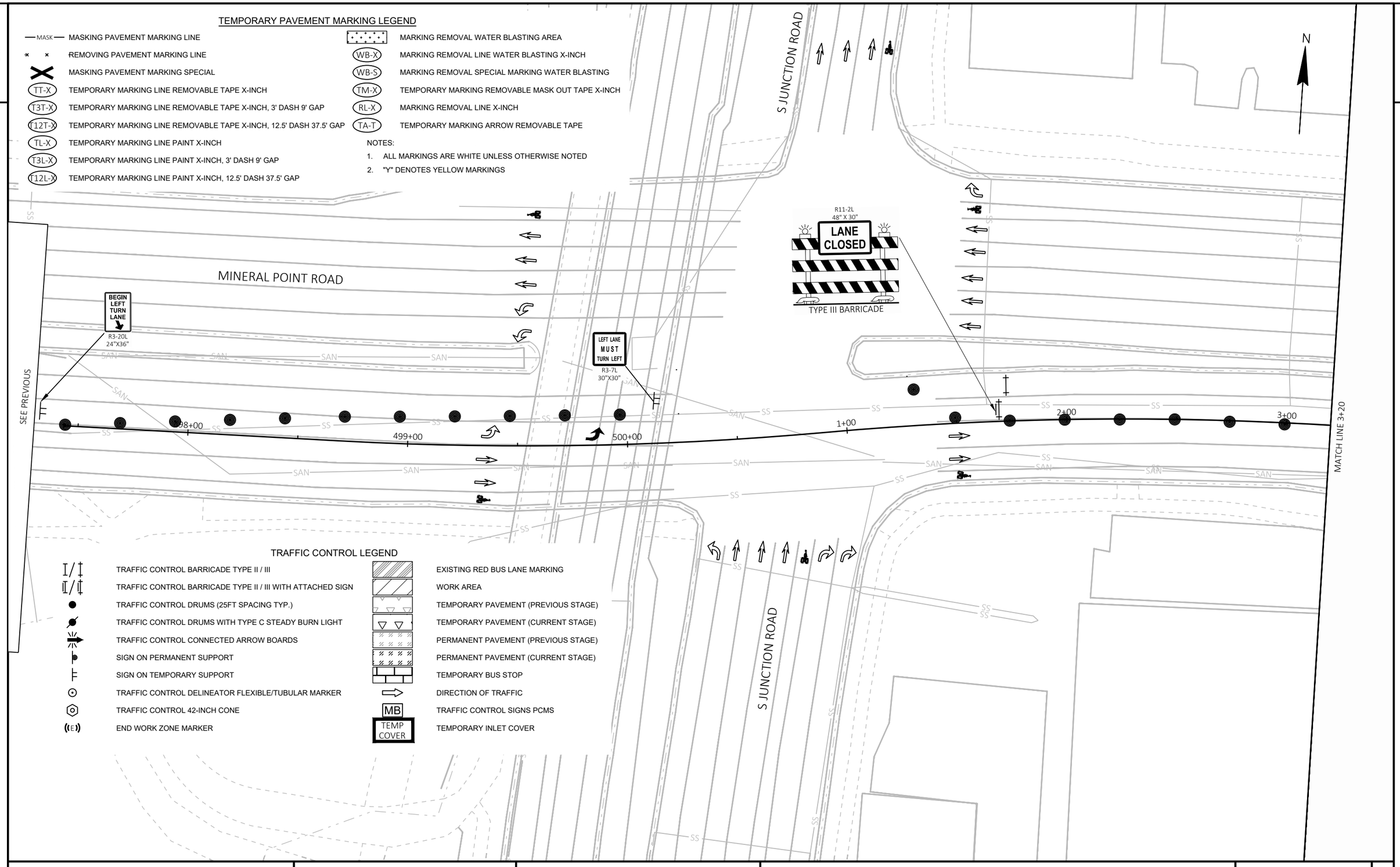
2

TEMPORARY PAVEMENT MARKING LEGEND

—MASK— MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	(WB-X) MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	(WB-S) MARKING REMOVAL SPECIAL MARKING WATER BLASTING
(TT-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	(TM-X) TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
(T3T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	(RL-X) MARKING REMOVAL LINE X-INCH
(T12T-X) TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	(TA-T) TEMPORARY MARKING ARROW REMOVABLE TAPE
(TL-X) TEMPORARY MARKING LINE PAINT X-INCH	
(T3L-X) TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
(T12L-X) TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	(MB) TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	(TEMP COVER) TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 139	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 026401-s4

PLOT DATE : 10/1/2026 11:25 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT MARKING LEGEND

—MASK— MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X MARKING REMOVAL LINE X-INCH
T12T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

MINERAL POINT ROAD

MATCH LINE 3+20

MATCH LINE 9+05

4+00 5+00 6+00 7+00 8+00 9+00

BEGIN LEFT TURN LANE
R3-20L
24"X36"

11'

11'

T3L-6

WB-6

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

COMMERCE DRIVE

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
(E) END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

2

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 140	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 026402-s4

PLOT DATE : 10/1/2026 11:25 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

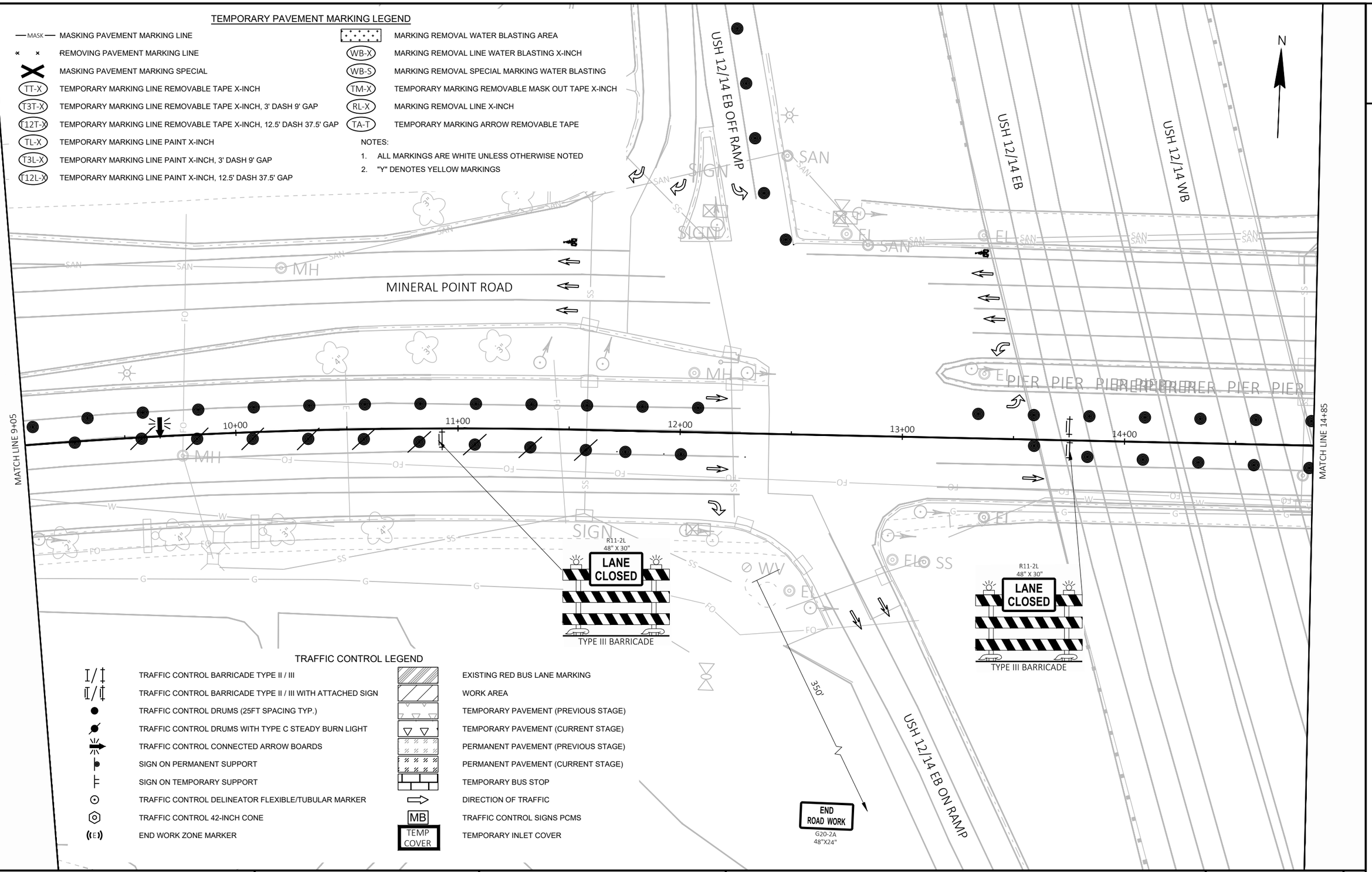
WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS



TRAFFIC CONTROL LEGEND

I/‡	TRAFFIC CONTROL BARRICADE TYPE II / III		EXISTING RED BUS LANE MARKING
I/‡	TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN		WORK AREA
●	TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)		TEMPORARY PAVEMENT (PREVIOUS STAGE)
	TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT		TEMPORARY PAVEMENT (CURRENT STAGE)
	TRAFFIC CONTROL CONNECTED ARROW BOARDS		PERMANENT PAVEMENT (PREVIOUS STAGE)
	SIGN ON PERMANENT SUPPORT		PERMANENT PAVEMENT (CURRENT STAGE)
	SIGN ON TEMPORARY SUPPORT		TEMPORARY BUS STOP
⊙	TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	⇨	DIRECTION OF TRAFFIC
⬡	TRAFFIC CONTROL 42-INCH CONE	MB	TRAFFIC CONTROL SIGNS PCMS
(E)	END WORK ZONE MARKER	TEMP COVER	TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 141	E

2

2

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

END ROAD WORK
G20-2A
48"X24"

350'

USH 12/14 WB ON RAMP

MINERAL POINT ROAD

11'

MATCH LINE 14+85

MATCH LINE 20+50

15+00 16+00 17+00 18+00 19+00 20+00

WO1-6
48" X 24"

TYPE III BARRICADE

USH 12/14 WB

USH 12/14 WB OFF RAMP

BLDG

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 142	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 026404-s4

PLOT DATE : 10/1/2026 11:25 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

2

2

MATCH LINE 20+50

MATCH LINE 26+50

TREE LANE

MINERAL POINT ROAD

BIG SKY DRIVE

ONLY
R3-50R
30"X36"

TA-T

WO1-6
48" X 24"
TYPE III BARRICADE

R3-2
24"X24"

21+00 22+00 23+00 24+00 25+00 26+00

11'

9'

TL-6

BEGIN LEFT TURN LANE
R3-20L
24"X36"

MATCH LINE STA 302+65

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 143	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 026405-s4

PLOT DATE : 10/1/2026 11:25 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING LEGEND

—MASK—	MASKING PAVEMENT MARKING LINE
* *	REMOVING PAVEMENT MARKING LINE
	MASKING PAVEMENT MARKING SPECIAL
TT-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH
T3T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP
T12T-X	TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP
TL-X	TEMPORARY MARKING LINE PAINT X-INCH
T3L-X	TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP
T12L-X	TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP
	MARKING REMOVAL WATER BLASTING AREA
WB-X	MARKING REMOVAL LINE WATER BLASTING X-INCH
WB-S	MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TM-X	TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
RL-X	MARKING REMOVAL LINE X-INCH
TA-T	TEMPORARY MARKING ARROW REMOVABLE TAPE

NOTES:
1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

NOTE: ADVANCE WARNING SIGNS TO BE PLACED IN MEDIAN AND TERRACE

W04-2L

LEFT TWO LANES CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

MATCH LINE STA 306+10

306+00

S HIGH POINT ROAD

305+00

304+00

303+00

MATCH LINE STA 302+65

MATCH LINE 26+50

TL-6

R3-2
24"X24"

TEMPORARY BUS STOP

MINERAL POINT ROAD

END ROAD WORK
G20-2A
48"X24"

27+00

28+00

29+00

30+00

31+00

32+00

WO1-6
48" X 24"

TYPE III BARRICADE

ON LIGHT POLE

ONLY
R3-8xx
36"X30"

WESTWARD WAY

GANSER WAY

N

TRAFFIC CONTROL LEGEND

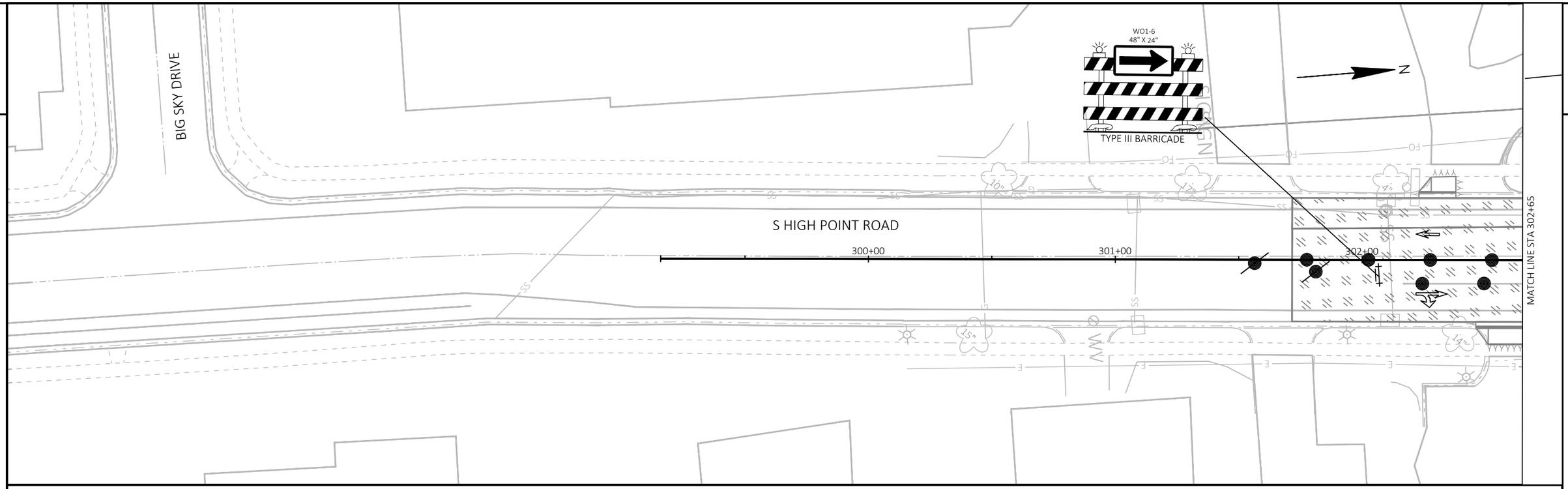
	TRAFFIC CONTROL BARRICADE TYPE II / III
	TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN
	TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)
	TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
	TRAFFIC CONTROL CONNECTED ARROW BOARDS
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER
	TRAFFIC CONTROL 42-INCH CONE
(E)	END WORK ZONE MARKER
	EXISTING RED BUS LANE MARKING
	WORK AREA
	TEMPORARY PAVEMENT (PREVIOUS STAGE)
	TEMPORARY PAVEMENT (CURRENT STAGE)
	PERMANENT PAVEMENT (PREVIOUS STAGE)
	PERMANENT PAVEMENT (CURRENT STAGE)
	TEMPORARY BUS STOP
	DIRECTION OF TRAFFIC
MB	TRAFFIC CONTROL SIGNS PCMS
TEMP COVER	TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 144 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 026406-s4

PLOT DATE : 10/1/2026 11:25 AM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
REMOVING PAVEMENT MARKING LINE	WB-X — MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S — MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X — TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X — MARKING REMOVAL LINE X-INCH
T12T-X — TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T — TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X — TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X — TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X — TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB — TRAFFIC CONTROL SIGNS PCMS
END WORK ZONE MARKER	TEMP COVER — TEMPORARY INLET COVER

2

2

TEMPORARY PAVEMENT MARKING LEGEND

MASK — MASKING PAVEMENT MARKING LINE	MARKING REMOVAL WATER BLASTING AREA
× × REMOVING PAVEMENT MARKING LINE	WB-X MARKING REMOVAL LINE WATER BLASTING X-INCH
MASKING PAVEMENT MARKING SPECIAL	WB-S MARKING REMOVAL SPECIAL MARKING WATER BLASTING
TT-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH	TM-X TEMPORARY MARKING REMOVABLE MASK OUT TAPE X-INCH
T3T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 3' DASH 9' GAP	RL-X MARKING REMOVAL LINE X-INCH
T12T-X TEMPORARY MARKING LINE REMOVABLE TAPE X-INCH, 12.5' DASH 37.5' GAP	TA-T TEMPORARY MARKING ARROW REMOVABLE TAPE
TL-X TEMPORARY MARKING LINE PAINT X-INCH	
T3L-X TEMPORARY MARKING LINE PAINT X-INCH, 3' DASH 9' GAP	
T12L-X TEMPORARY MARKING LINE PAINT X-INCH, 12.5' DASH 37.5' GAP	

NOTES:

1. ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED
2. "Y" DENOTES YELLOW MARKINGS

N

1050'

200'

MAX. 12' WIDTH

W12-52
48"X48"

ROAD WORK AHEAD

W20-1A

USH 12/14 EB OFF RAMP

SEE SHEET 026006-S6B

USH 12/14 EB

USH 12/14 WB

END ROAD WORK

G20-2A
48"X24"

TRAFFIC CONTROL LEGEND

TRAFFIC CONTROL BARRICADE TYPE II / III	EXISTING RED BUS LANE MARKING
TRAFFIC CONTROL BARRICADE TYPE II / III WITH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUMS (25FT SPACING TYP.)	TEMPORARY PAVEMENT (PREVIOUS STAGE)
TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	TEMPORARY PAVEMENT (CURRENT STAGE)
TRAFFIC CONTROL CONNECTED ARROW BOARDS	PERMANENT PAVEMENT (PREVIOUS STAGE)
SIGN ON PERMANENT SUPPORT	PERMANENT PAVEMENT (CURRENT STAGE)
SIGN ON TEMPORARY SUPPORT	TEMPORARY BUS STOP
TRAFFIC CONTROL DELINEATOR FLEXIBLE/TUBULAR MARKER	DIRECTION OF TRAFFIC
TRAFFIC CONTROL 42-INCH CONE	MB TRAFFIC CONTROL SIGNS PCMS
(S) (E) START/END WORK ZONE MARKER	TEMP COVER TEMPORARY INLET COVER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 146	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S4.DWG
LAYOUT NAME - 026409-s4

PLOT DATE : 9/24/2026 12:38 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

USH 12/14 WB ON RAMP

MINERAL POINT ROAD

R9-9
24"X12"
SIDEWALK CLOSED
DETOUR
M4-9BR
30"X24"

1-1A
1-1B
1-1C
1-1D

TREE LANE

15+00
16+00
17+00
18+00
19+00
20+00
21+00
202+00
201+00

MATCH LINE STA 22+00

N

SIGN
BLDG
COVERING SIGNS TYPE II

USH 12/14 WB

USH 12/14 WB OFF RAMP

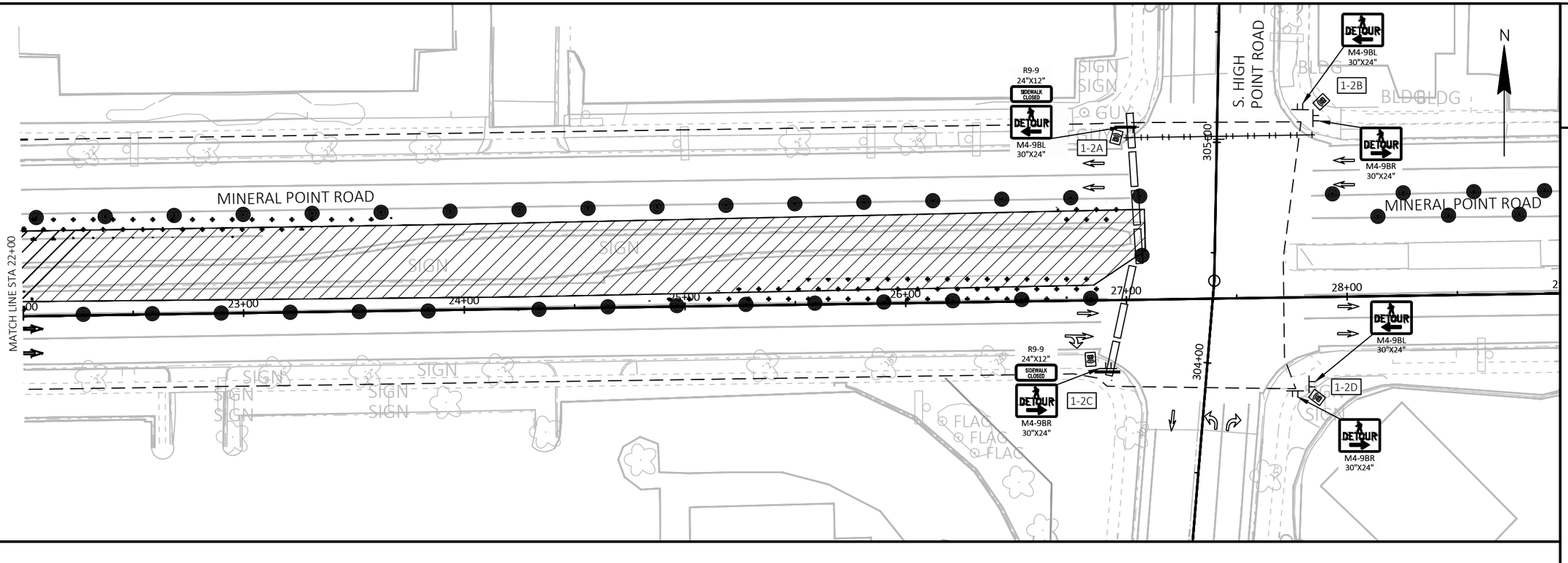
BIG SKY DRIVE

LEGEND

TYPE II / III BARRICADE	WORK AREA
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER
	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY CURB RAMP/SURFACE	
TEMPORARY PEDESTRIAN ROUTE	
SIDEWALK CLOSED	
TEMPORARY AUDIBLE MESSAGE DEVICES	
X-XX AUDIBLE MESSAGE NUMBER	

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 1	SHEET 147	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1-PED.DWG
LAYOUT NAME - 0226001-S1 PED
PLOT DATE : 9/24/2026 12:39 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

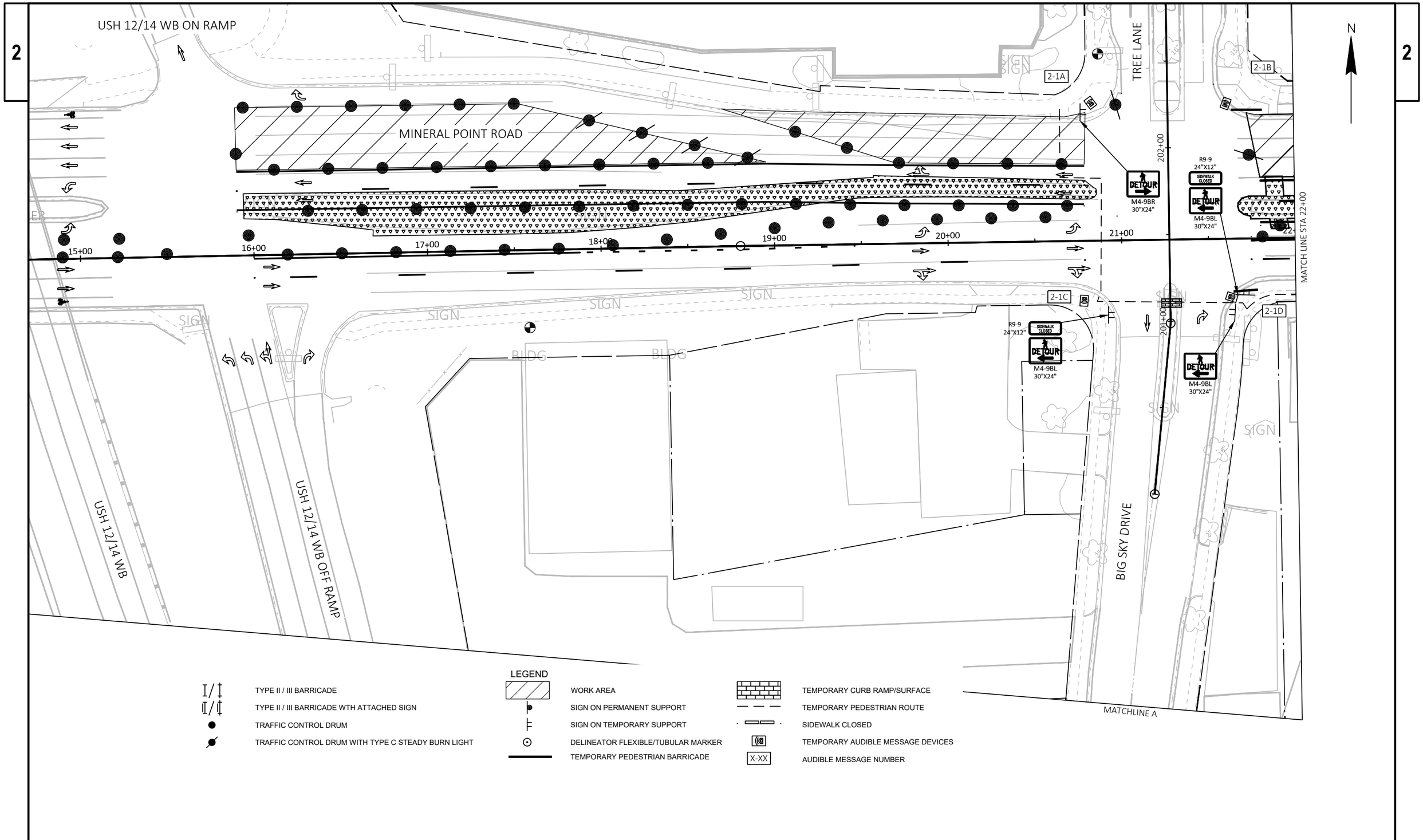


LEGEND

TYPE II / III BARRICADE	WORK AREA		TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT		TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT		SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER		TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX	AUDIBLE MESSAGE NUMBER

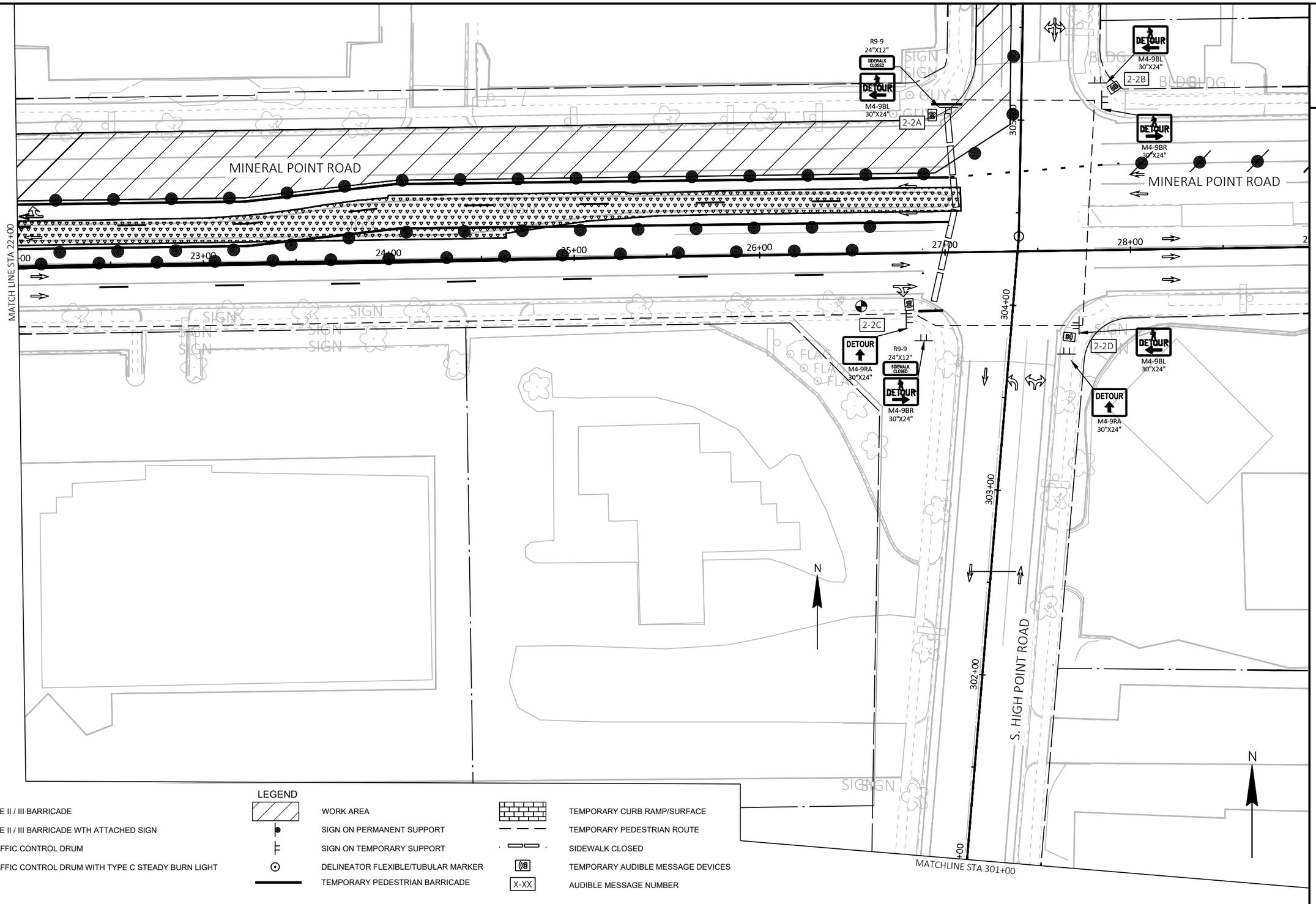
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 1	SHEET 148	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S1-PED.DWG
LAYOUT NAME - 026102-s1 PED
PLOT DATE : 9/24/2026 12:39 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2	SHEET 149	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2-PED.DWG
LAYOUT NAME - 026201-s2-PED
PLOT DATE : 9/24/2026 12:39 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

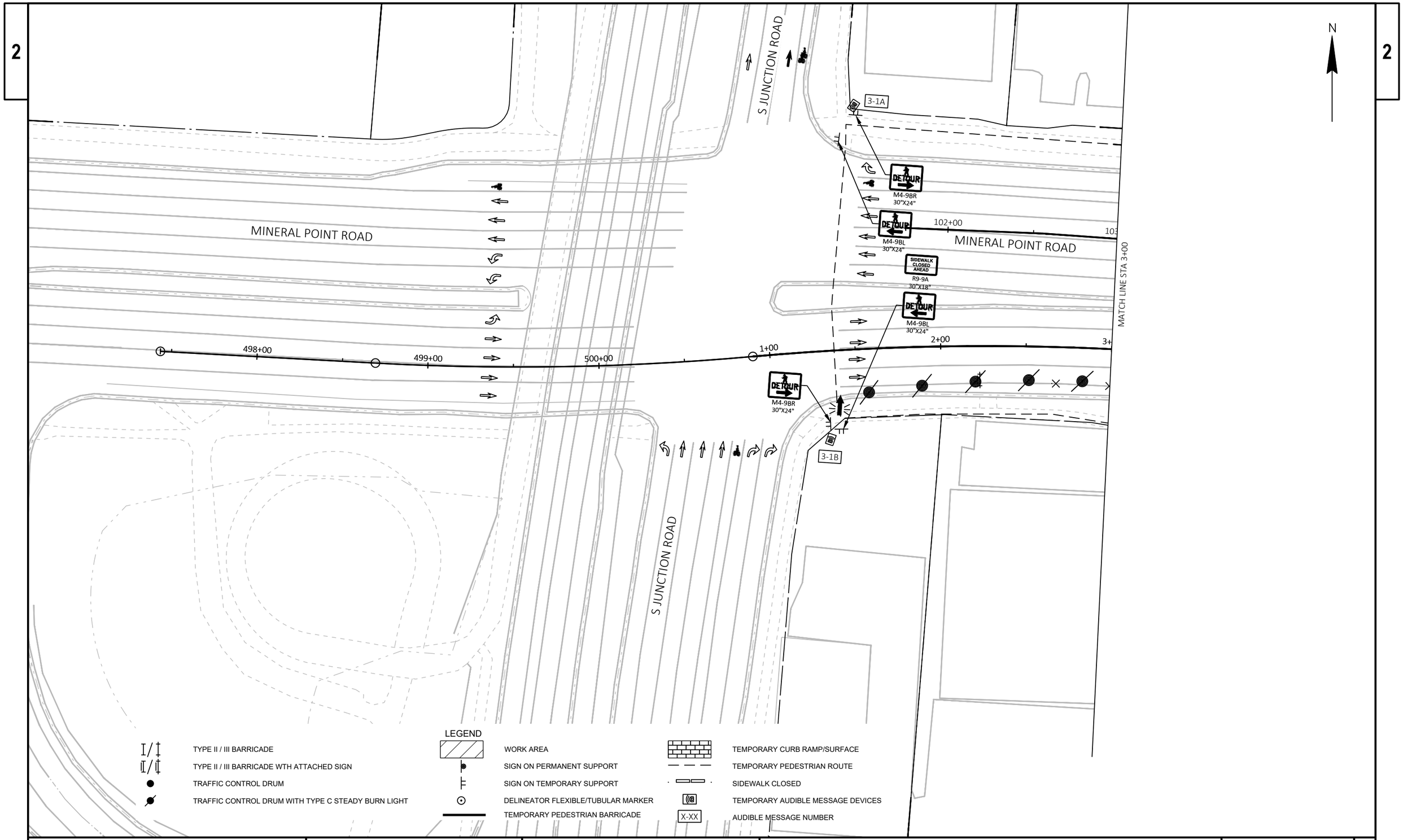


LEGEND

TYPE II / III BARRICADE	WORK AREA	TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT	TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT	SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER	TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX AUDIBLE MESSAGE NUMBER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 2	SHEET 150	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S2-PED.DWG
LAYOUT NAME - 026202-s2-PED
PLOT DATE : 9/24/2026 12:39 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 3	SHEET 151	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3-PED.DWG
LAYOUT NAME - 026301-s3-PED
PLOT DATE : 9/24/2026 12:39 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

3-2A

3-2B

DETOUR
M4-9RA
30"X24"

MINERAL POINT ROAD

104+00

105+00

106+00

107+00

108+00

MATCH LINE STA 3+00

4+00

5+00

6+00

7+00

8+00

9+

MATCH LINE STA 9+00

DETOUR
M4-9RA
30"X24"

3-2C

3-2D

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

SIDEWALK CLOSED
R9-9
24"X12"

COMMERCE DRIVE

LEGEND

TYPE II / III BARRICADE	WORK AREA		TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT		TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT		SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER		TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX	AUDIBLE MESSAGE NUMBER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 3	SHEET 152	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3-PED.DWG
LAYOUT NAME - 026302-s3-PED

PLOT DATE : 9/24/2026 12:39 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

USH 12/14 EB OFF RAMP

3-3A

3-3B

SIGN

SIGN

DETOUR

M4-9RA
30"X24"

MINERAL POINT ROAD

109+00 110+00 111+00 112+00 113+00 114+00

PIER PIER PIER PIER PIER PIER PIER PIER PIER

MATCH LINE STA 9+00

00 10+00 11+00 12+00 13+00 14+00

MATCH LINE STA 15+00

SIGN

USH 12/14 EB ON RAMP

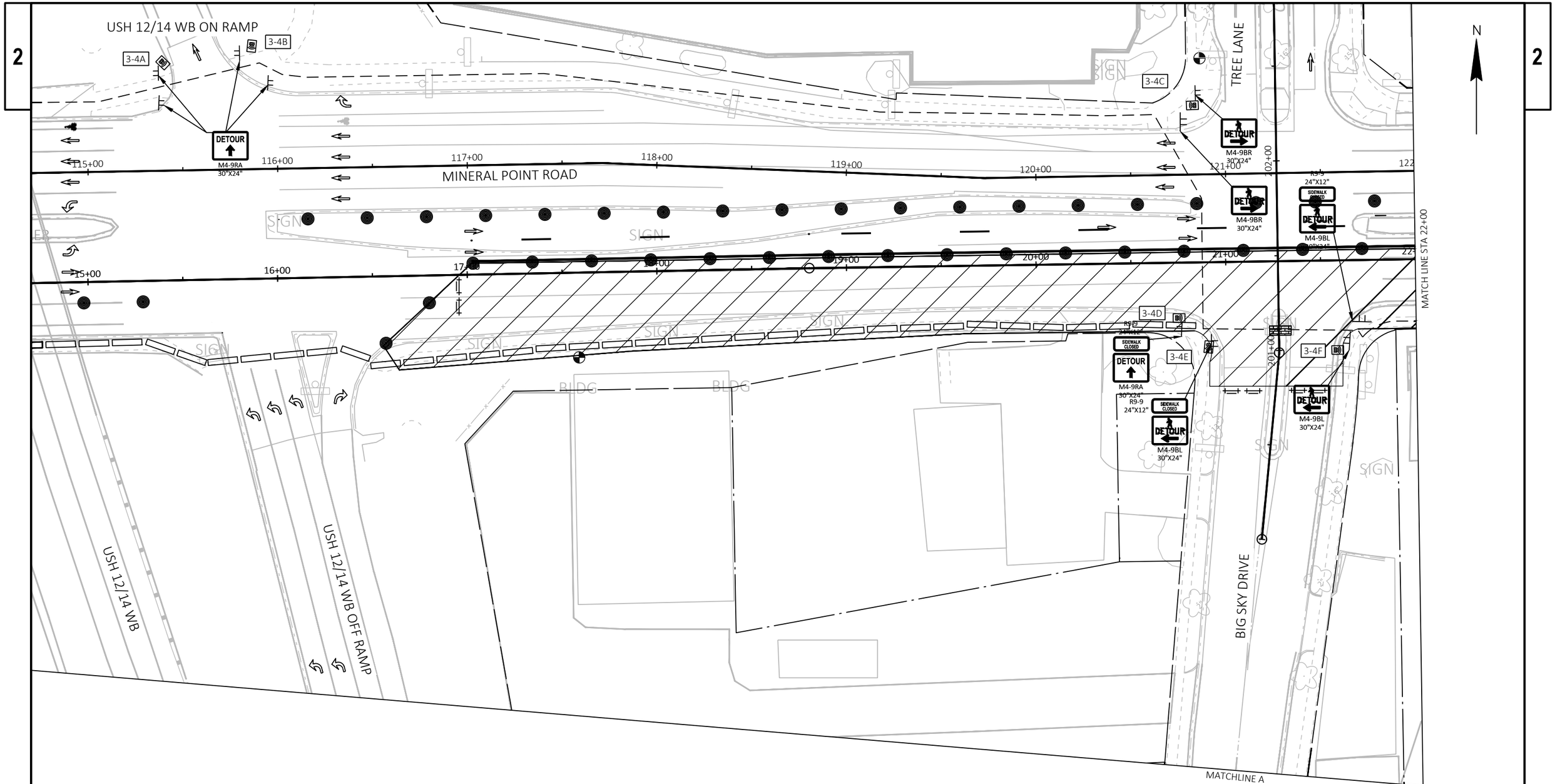
LEGEND

TYPE II / III BARRICADE	WORK AREA		TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT		TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT		SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER		TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX	AUDIBLE MESSAGE NUMBER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 3	SHEET 153	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3-PED.DWG
LAYOUT NAME - 026303-s3-PED

PLOT DATE : 9/24/2026 12:39 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT

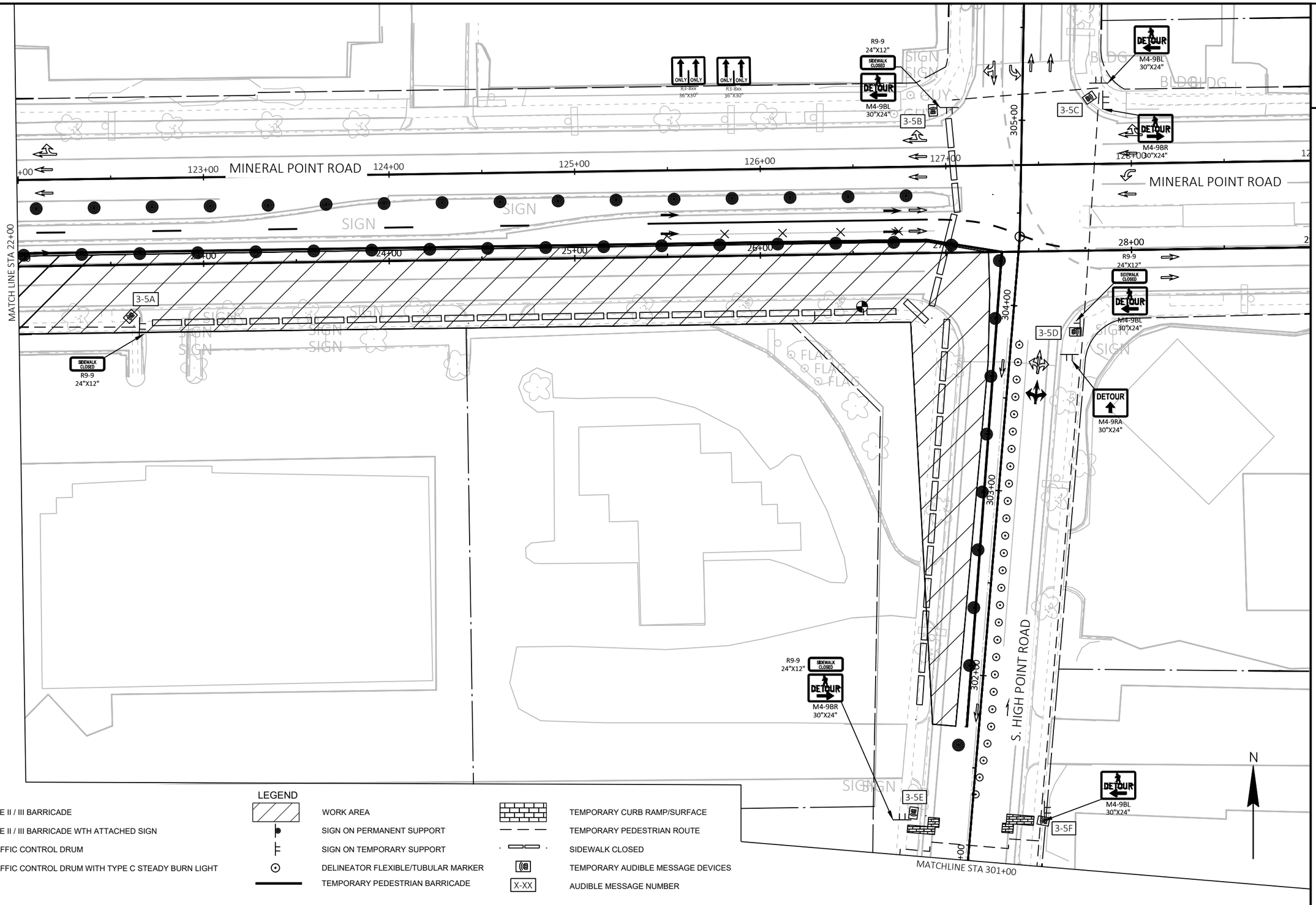


LEGEND

TYPE II / III BARRICADE	WORK AREA		TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT		TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT		SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER		TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX	AUDIBLE MESSAGE NUMBER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 3	SHEET 154	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3-PED.DWG
LAYOUT NAME - 026304-s3-PED
PLOT DATE : 9/24/2026 12:39 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



LEGEND

TYPE II / III BARRICADE	WORK AREA	TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT	TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT	SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER	TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX AUDIBLE MESSAGE NUMBER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 3	SHEET 155	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3-PED.DWG
LAYOUT NAME - 026305-s3-PED
PLOT DATE : 9/24/2026 12:39 PM
PLOT BY : JACOB RICHARDSON
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

MATCHLINE A

MATCHLINE STA 301+00

N

LEGEND

TYPE II / III BARRICADE	WORK AREA	TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT	TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT	SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER	TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX AUDIBLE MESSAGE NUMBER

301

300+00

S. HIGH POINT ROAD

R9-9A
30"X18"
SIDEWALK CLOSED AHEAD

DETOUR
M4-9RA
30"X24"

3-6A

3-6B

DETOUR
M4-9BL
30"X24"

3-6C

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

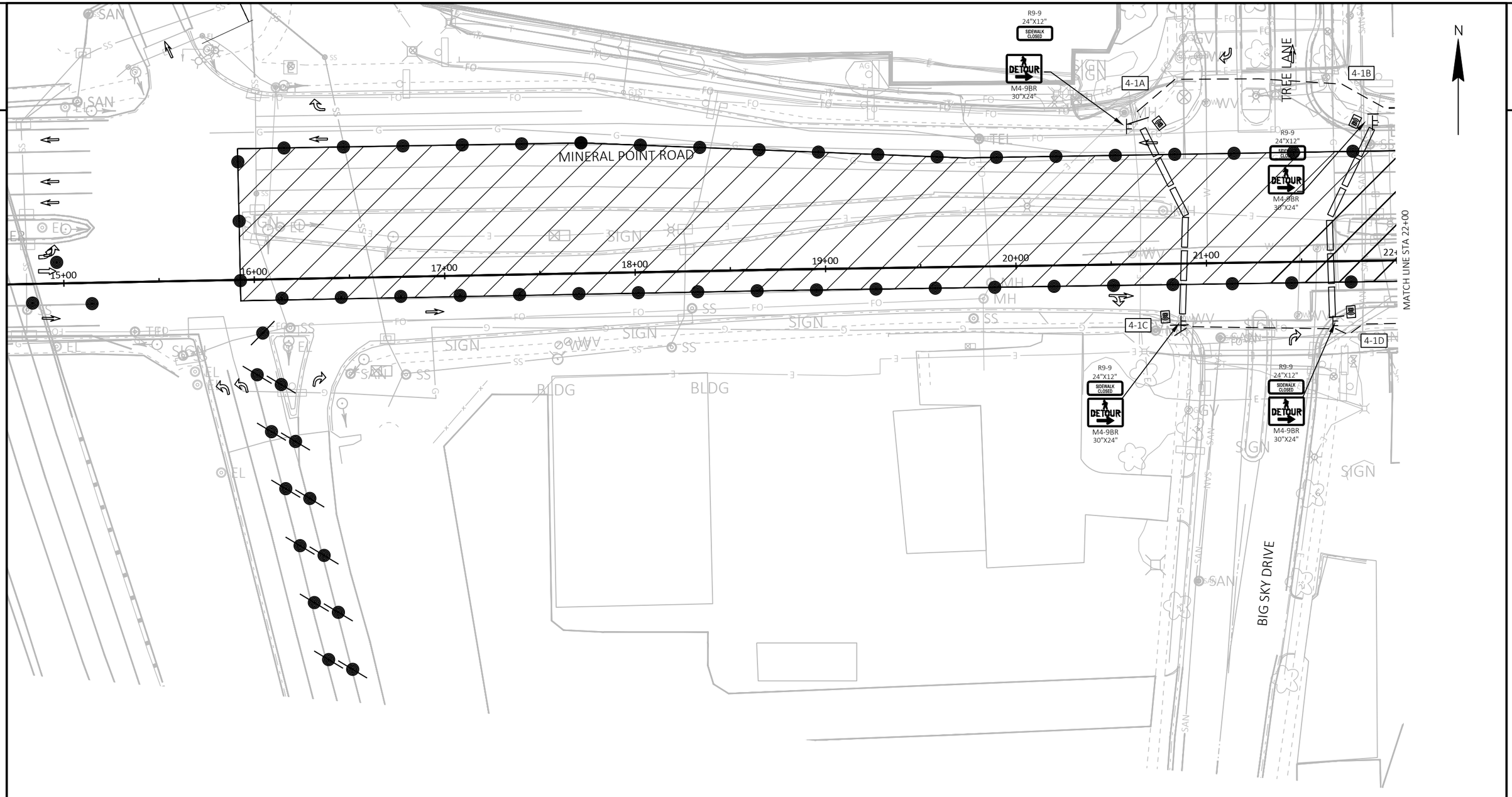
BIG SKY DRIVE

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 3	SHEET 156 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\026001-S3-PED.DWG
LAYOUT NAME - 026306-s3-PED

PLOT DATE : 9/24/2026 12:39 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:50 FT

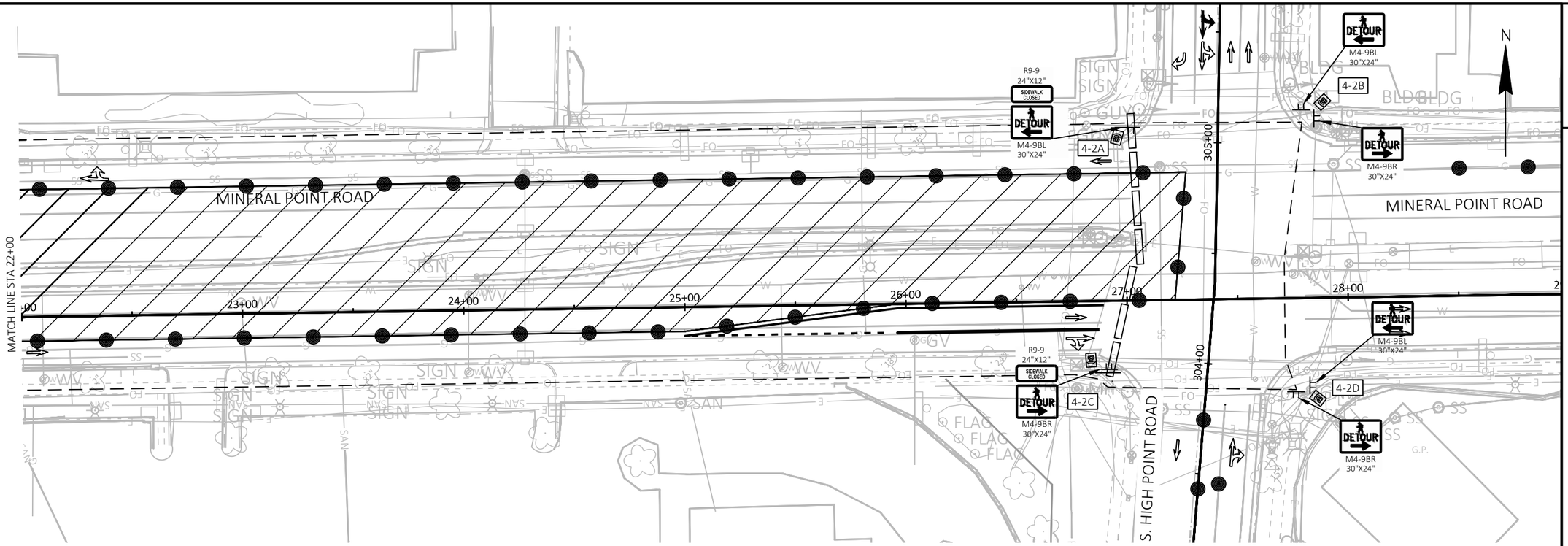
WISDOT/CADDS SHEET 42



LEGEND

TYPE II / III BARRICADE	WORK AREA	TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT	TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT	SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER	TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX AUDIBLE MESSAGE NUMBER

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 4	SHEET 157	E



LEGEND

TYPE II / III BARRICADE	WORK AREA	TEMPORARY CURB RAMP/SURFACE
TYPE II / III BARRICADE WTH ATTACHED SIGN	SIGN ON PERMANENT SUPPORT	TEMPORARY PEDESTRIAN ROUTE
TRAFFIC CONTROL DRUM	SIGN ON TEMPORARY SUPPORT	SIDEWALK CLOSED
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DELINEATOR FLEXIBLE/TUBULAR MARKER	TEMPORARY AUDIBLE MESSAGE DEVICES
	TEMPORARY PEDESTRIAN BARRICADE	X-XX AUDIBLE MESSAGE NUMBER

2

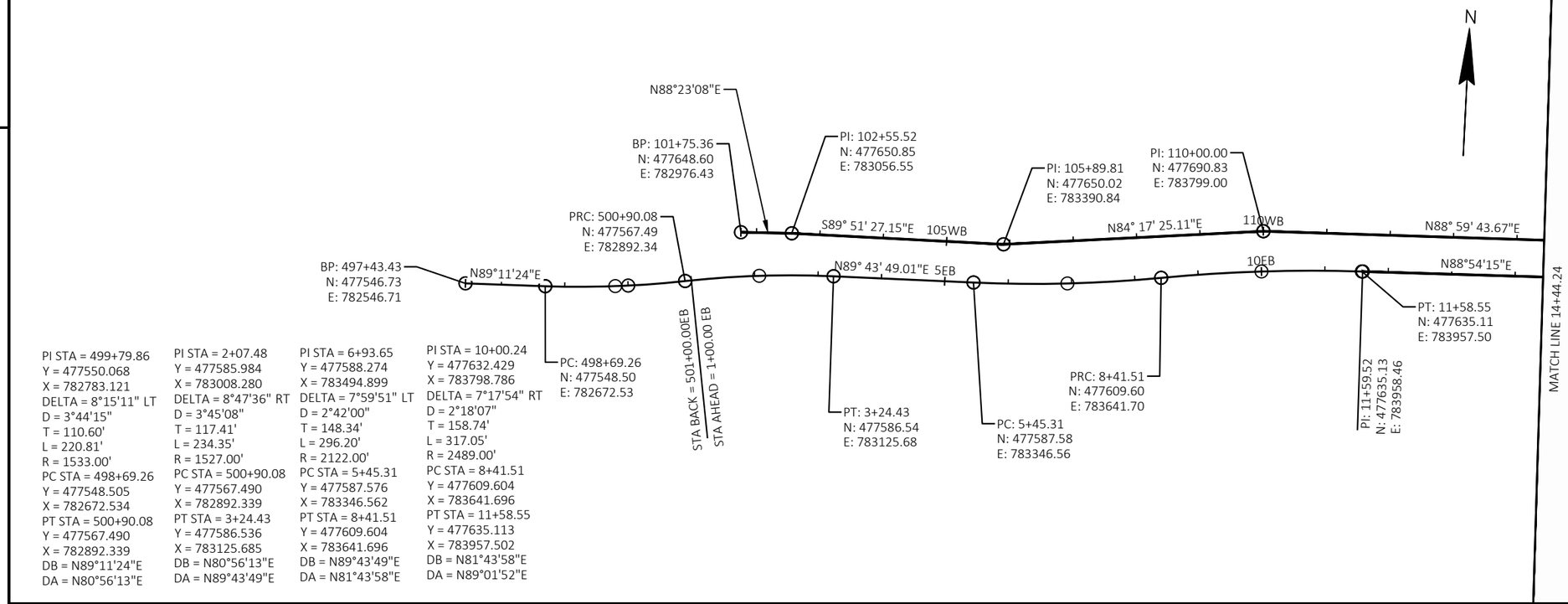
Message ID	Complete Audible Message
1-1A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
1-1B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
1-1C	Attention pedestrians. You are at the Southwest quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
1-1D	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
1-2A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to the northeast quadrant, then cross Mineral Point Road and continue west.
1-2B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, cross Mineral Point Road and continue east on the south side.
1-2C	Attention pedestrians. You are at the Southwest quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the north side of Mineral Point Road, cross Mineral Point Road. For access west of Mineral Point Road, continue west.
1-2D	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to the southeast quadrant, then cross Mineral Point Road.
2-1A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
2-1B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
2-1C	Attention pedestrians. You are at the Southwest quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
2-1D	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
2-2A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to the northeast quadrant, then cross Mineral Point Road and continue west.
2-2B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, cross Mineral Point Road and continue east on the south side.
2-2C	Attention pedestrians. You are at the Southwest quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the north side of Mineral Point Road, cross Mineral Point Road. For access west of Mineral Point Road, continue west.
2-2D	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to the southeast quadrant, then cross Mineral Point Road.

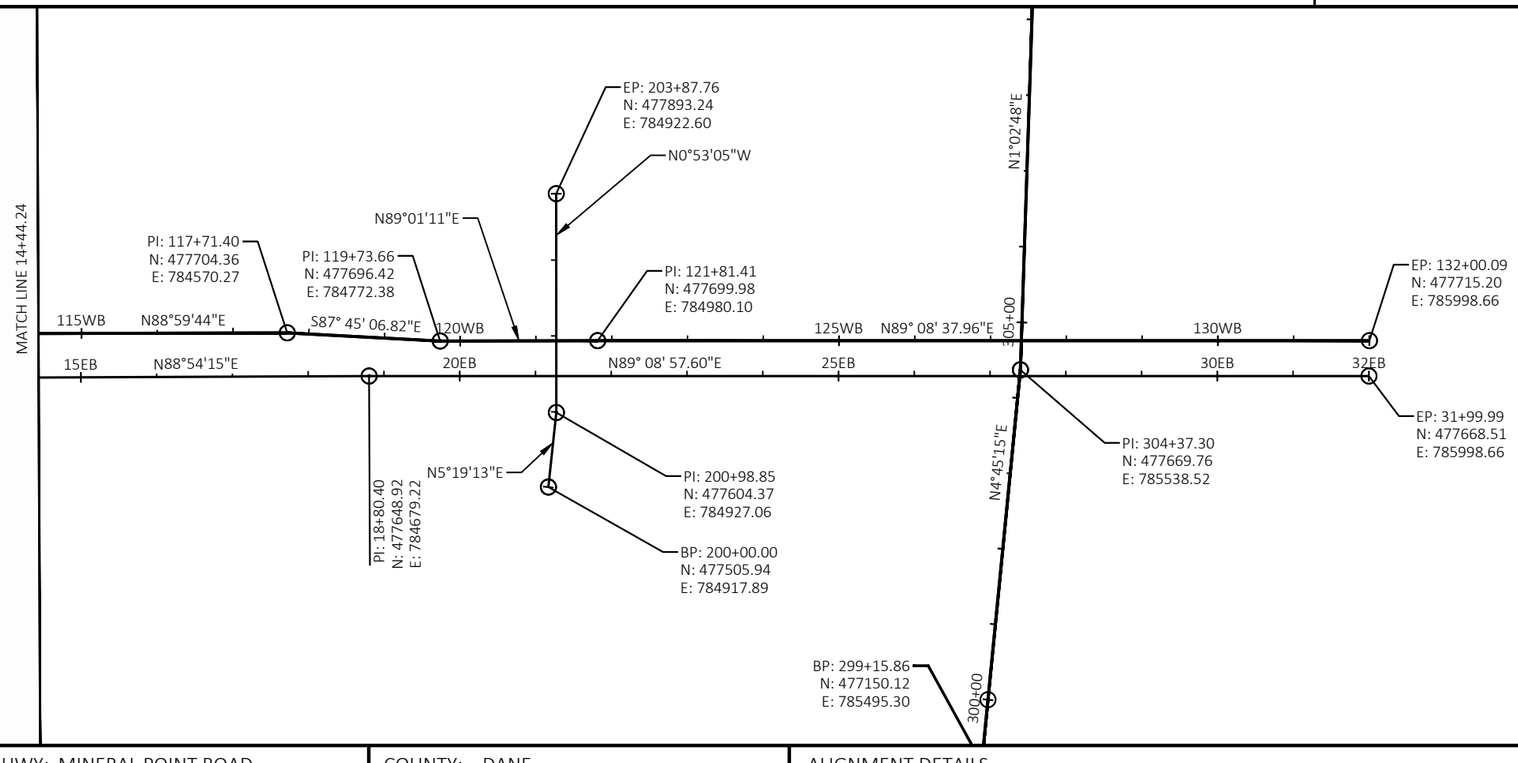
2

Message ID	Complete Audible Message
3-1A	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at South Junction Road. For access to the south side of Mineral Point Road, east of Big Sky Drive, turn east and continue 4 blocks to Tree Lane.
3-1B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at South Junction Road. For access to the south side of Mineral Point Road, east of Big Sky Drive, cross Mineral Point Road and then proceed east 4 blocks to Tree Lane.
3-2A	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at Commerce Drive. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed east 3 blocks to Tree Lane.
3-2B	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at Commerce Drive. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed east 3 blocks to Tree Lane.
3-2C	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at Commerce Drive. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed west 1 block to South Junction Road.
3-2D	Attention pedestrians. You are at the Southwest quadrant of Mineral Point Road at Commerce Drive. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, east of Big Sky Drive, cross Commerce Drive proceed west 1 block to South Junction Road.
3-3A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at the US 12/14 eastbound ramps. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed east 2 blocks to Tree Lane.
3-3B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at the US 12/14 eastbound ramps. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed east 2 blocks to Tree Lane.
3-4A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at the US 12/14 westbound ramps. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed east 1 block to Tree Lane.
3-4B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at the US 12/14 westbound ramps. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed east 1 block to Tree Lane.
3-4C	Attention pedestrians. You are at the Mineral Point Road near Big Sky Drive/Tree Lane. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, east of Big Sky Drive, proceed east 1 block to Tree Lane.
3-4D	Attention pedestrians. You are at the Mineral Point Road near Big Sky Drive/Tree Lane. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, west of Big Sky Drive, cross Mineral Point Road and proceed west to South Junction Road.
3-4E	Attention pedestrians. You are at the Mineral Point Road near Big Sky Drive/Tree Lane. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, west of Big Sky Drive, cross Mineral Point Road and proceed west to South Junction Road.
3-4F	Attention pedestrians. You are at the Mineral Point Road near Big Sky Drive/Tree Lane. The sidewalk ahead is closed. For access to the north side of Mineral Point Road, cross Big Sky Drive and proceed north.
3-5A	Attention pedestrians. You are at the South side of Mineral Point Road. The sidewalk ahead is closed. For access to the south side of Mineral Point Rd , east of this location, proceed west to Big Sky Drive.
3-5B	Attention pedestrians. You are at the Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to the northeast quadrant, then cross Mineral Point Road and continue south.

Message ID	Complete Audible Message
3-5C	Attention pedestrians. You are at the Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, cross Mineral Point Road.
3-5D	Attention pedestrians. You are at the Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the west side of South High Point Road, proceed south to the temporary curb ramp. For access north of Mineral Point Road, cross Mineral Point Road.
3-5E	Attention pedestrians. You are at the Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access north of Mineral Point Road, use the temporary curb ramp to cross South High Point Road.
3-5F	Attention pedestrians. You are at the Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the west side of South High Point Road, use the temporary curb ramp to cross South High Point Road.
3-6A	Attention pedestrians. You are at the South High Point Road near Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, cross South High Point Road and proceed north.
3-6B	Attention pedestrians. You are at the South High Point Road near Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, cross South High Point Road and proceed north.
3-6C	Attention pedestrians. You are at the South High Point Road near Big Sky Drive. For access north of Mineral Point Road, proceed north to South High Point Road.
4-1A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
4-1B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
4-1C	Attention pedestrians. You are at the Southwest quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
4-1D	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at Big Sky Drive. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to South High Point Road and cross Mineral Point Road.
4-2A	Attention pedestrians. You are at the Northwest quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access south of Mineral Point Road, proceed east to the northeast quadrant, then cross Mineral Point Road and continue west.
4-2B	Attention pedestrians. You are at the Northeast quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the south side of Mineral Point Road, cross Mineral Point Road and continue east on the south side.
4-2C	Attention pedestrians. You are at the Southwest quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access to the north side of Mineral Point Road, cross Mineral Point Road. For access west of Mineral Point Road, continue west.
4-2D	Attention pedestrians. You are at the Southeast quadrant of Mineral Point Road at South High Point Road. The sidewalk ahead is closed. For access north of Mineral Point Road, proceed east to the southeast quadrant, then cross Mineral Point Road.

2





PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 162	E

Estimate Of Quantities

5992-10-20

Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	7,740.000	7,740.000
0004	204.0110	Removing Asphaltic Surface	SY	3,250.000	3,250.000
0006	204.0120	Removing Asphaltic Surface Milling	SY	850.000	850.000
0008	204.0150	Removing Curb & Gutter	LF	2,435.000	2,435.000
0010	204.0155	Removing Concrete Sidewalk	SY	305.000	305.000
0012	204.0195	Removing Concrete Bases	EACH	10.000	10.000
0014	204.0210	Removing Manholes	EACH	5.000	5.000
0016	204.0220	Removing Inlets	EACH	11.000	11.000
0018	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	46.000	46.000
0020	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	7.000	7.000
0022	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	242.000	242.000
0024	204.0245	Removing Storm Sewer (size) 04. 21-Inch	LF	276.000	276.000
0026	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	32.000	32.000
0028	204.9060.S	Removing (item description) 01. Light Pole	EACH	6.000	6.000
0030	204.9090.S	Removing (item description) 01. Water main	LF	52.000	52.000
0032	205.0100	Excavation Common	CY	7,358.000	7,358.000
0034	211.0201	Prepare Foundation for Concrete Pavement (project) 01. 5992-10-20	EACH	1.000	1.000
0036	213.0100	Finishing Roadway (project) 01. 5992-10-20	EACH	1.000	1.000
0038	305.0110	Base Aggregate Dense 3/4-Inch	TON	159.000	159.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	3,865.000	3,865.000
0042	305.0130	Base Aggregate Dense 3-Inch	TON	4,042.000	4,042.000
0044	405.0100	Coloring Concrete WisDOT Red	CY	251.000	251.000
0046	405.0200	Coloring Concrete Custom	CY	13.000	13.000
0048	405.1000	Stamping Colored Concrete	CY	13.000	13.000
0050	415.0095	Concrete Pavement 9 1/2-Inch	SY	8,308.000	8,308.000
0052	415.0210	Concrete Pavement Gaps	EACH	3.000	3.000
0054	415.1095	Concrete Pavement HES 9 1/2-Inch	SY	289.000	289.000
0056	415.4100	Concrete Pavement Joint Filling	SY	9,563.000	9,563.000
0058	416.0610	Drilled Tie Bars	EACH	902.000	902.000
0060	416.0620	Drilled Dowel Bars	EACH	70.000	70.000
0062	455.0605	Tack Coat	GAL	606.000	606.000
0064	460.2000	Incentive Density HMA Pavement	DOL	230.000	230.000
0066	460.6223	HMA Pavement 3 MT 58-28 S	TON	432.000	432.000
0068	460.6424	HMA Pavement 4 MT 58-28 H	TON	248.000	248.000
0070	465.0125	Asphaltic Surface Temporary	TON	593.000	593.000
0072	520.8000	Concrete Collars for Pipe	EACH	6.000	6.000
0074	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000	1.000
0076	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	2.000	2.000
0078	601.0600	Concrete Curb Pedestrian	LF	150.000	150.000
0080	602.0410	Concrete Sidewalk 5-Inch	SF	2,443.000	2,443.000
0082	602.0420	Concrete Sidewalk 7-Inch	SF	1,575.000	1,575.000
0084	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	119.000	119.000
0086	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	28.000	28.000
0088	602.0815	Concrete Driveway 7-Inch	SY	89.000	89.000
0090	606.0300	Riprap Heavy	CY	100.000	100.000
0092	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	109.000	109.000
0094	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	29.000	29.000
0096	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	199.000	199.000
0098	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	248.000	248.000

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Line	Item	Item Description	Unit	Total	Qty
0100	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	140.000	140.000
0102	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	183.000	183.000
0104	608.2324	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	74.000	74.000
0106	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	290.000	290.000
0108	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000
0110	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0112	611.2005	Manholes 5-FT Diameter	EACH	6.000	6.000
0114	611.2006	Manholes 6-FT Diameter	EACH	3.000	3.000
0116	611.3230	Inlets 2x3-FT	EACH	8.000	8.000
0118	611.8110	Adjusting Manhole Covers	EACH	7.000	7.000
0120	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0122	619.1000	Mobilization	EACH	1.000	1.000
0124	620.0300	Concrete Median Sloped Nose	SF	273.000	273.000
0126	624.0100	Water	MGAL	158.400	158.400
0128	625.0100	Topsoil	SY	2,940.000	2,940.000
0130	628.1504	Silt Fence	LF	84.000	84.000
0132	628.1520	Silt Fence Maintenance	LF	84.000	84.000
0134	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0136	628.1910	Mobilizations Emergency Erosion Control	EACH	12.000	12.000
0138	628.2008	Erosion Mat Urban Class I Type B	SY	718.000	718.000
0140	628.7005	Inlet Protection Type A	EACH	12.000	12.000
0142	628.7015	Inlet Protection Type C	EACH	51.000	51.000
0144	628.7560	Tracking Pads	EACH	6.000	6.000
0146	629.0210	Fertilizer Type B	CWT	1.500	1.500
0148	630.0140	Seeding Mixture No. 40	LB	33.000	33.000
0150	630.0200	Seeding Temporary	LB	21.000	21.000
0152	630.0500	Seed Water	MGAL	17.000	17.000
0154	631.0300	Sod Water	MGAL	62.000	62.000
0156	631.1000	Sod Lawn	SY	2,419.000	2,419.000
0158	637.2210	Signs Type II Reflective H	SF	87.500	87.500
0160	638.2101	Moving Signs Type I	EACH	4.000	4.000
0162	638.2102	Moving Signs Type II	EACH	18.000	18.000
0164	638.2602	Removing Signs Type II	EACH	3.000	3.000
0166	638.3000	Removing Small Sign Supports	EACH	2.000	2.000
0168	638.4000	Moving Small Sign Supports	EACH	5.000	5.000
0170	642.5201	Field Office Type C	EACH	1.000	1.000
0172	643.0300	Traffic Control Drums	DAY	38,951.000	38,951.000
0174	643.0420	Traffic Control Barricades Type III	DAY	3,939.000	3,939.000
0176	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	20.000	20.000
0178	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	20.000	20.000
0180	643.0705	Traffic Control Warning Lights Type A	DAY	7,878.000	7,878.000
0182	643.0715	Traffic Control Warning Lights Type C	DAY	9,255.000	9,255.000
0184	643.0810	Traffic Control Connected Arrow Boards	DAY	206.000	206.000
0186	643.0900	Traffic Control Signs	DAY	10,605.000	10,605.000
0188	643.1050	Traffic Control Signs PCMS	DAY	110.000	110.000
0190	643.1222	Traffic Control Connected Work Zone End Location Marker	DAY	1,242.000	1,242.000
0192	643.3165	Temporary Marking Line Paint 6-Inch	LF	6,054.000	6,054.000
0194	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	11,484.000	11,484.000
0196	643.3550	Temporary Marking Arrow Removable Tape	EACH	19.000	19.000

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Line	Item	Item Description	Unit	Total	Qty
0198	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	1,812.000	1,812.000
0200	643.5000	Traffic Control	EACH	1.000	1.000
0202	644.1810	Temporary Pedestrian Barricade	LF	718.000	718.000
0204	644.1900.S	Temporary Audible Message Devices	DAY	1,908.000	1,908.000
0206	645.0120	Geotextile Type HR	SY	140.000	140.000
0208	646.1020	Marking Line Epoxy 4-Inch	LF	2,926.000	2,926.000
0210	646.2020	Marking Line Epoxy 6-Inch	LF	1,697.000	1,697.000
0212	646.3020	Marking Line Epoxy 8-Inch	LF	2,474.000	2,474.000
0214	646.4020	Marking Line Epoxy 10-Inch	LF	172.000	172.000
0216	646.5020	Marking Arrow Epoxy	EACH	14.000	14.000
0218	646.5120	Marking Word Epoxy	EACH	21.000	21.000
0220	646.5220	Marking Symbol Epoxy	EACH	3.000	3.000
0222	646.6120	Marking Stop Line Epoxy 18-Inch	LF	204.000	204.000
0224	646.7120	Marking Diagonal Epoxy 12-Inch	LF	34.000	34.000
0226	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	966.000	966.000
0228	646.8120	Marking Curb Epoxy	LF	235.000	235.000
0230	646.8220	Marking Island Nose Epoxy	EACH	11.000	11.000
0232	646.9002	Marking Removal Line 6-Inch	LF	755.000	755.000
0234	646.9310	Marking Removal Special Marking Water Blasting	EACH	9.000	9.000
0236	650.4000	Construction Staking Storm Sewer	EACH	31.000	31.000
0238	650.4500	Construction Staking Subgrade	LF	2,532.000	2,532.000
0240	650.5000	Construction Staking Base	LF	633.000	633.000
0242	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,000.000	3,000.000
0244	650.7000	Construction Staking Concrete Pavement	LF	1,899.000	1,899.000
0246	650.8000	Construction Staking Resurfacing Reference	LF	198.000	198.000
0248	650.8501	Construction Staking Electrical Installations (project) 01. 5992-10-20	EACH	1.000	1.000
0250	650.9000	Construction Staking Curb Ramps	EACH	6.000	6.000
0252	650.9500	Construction Staking Sidewalk (project) 01. 5992-10-20	EACH	1.000	1.000
0254	650.9911	Construction Staking Supplemental Control (project) 01. 5992-10-20	EACH	1.000	1.000
0256	650.9920	Construction Staking Slope Stakes	LF	2,532.000	2,532.000
0258	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,802.000	1,802.000
0260	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,530.000	1,530.000
0262	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	300.000	300.000
0264	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	364.000	364.000
0266	652.0700.S	Install Conduit into Existing Item	EACH	2.000	2.000
0268	652.0800	Conduit Loop Detector	LF	837.000	837.000
0270	653.0135	Pull Boxes Steel 24x36-Inch	EACH	2.000	2.000
0272	653.0905	Removing Pull Boxes	EACH	3.000	3.000
0274	654.0101	Concrete Bases Type 1	EACH	1.000	1.000
0276	654.0102	Concrete Bases Type 2	EACH	1.000	1.000
0278	654.0105	Concrete Bases Type 5	EACH	6.000	6.000
0280	655.0610	Electrical Wire Lighting 12 AWG	LF	1,530.000	1,530.000
0282	655.0700	Loop Detector Lead In Cable	LF	3,840.000	3,840.000
0284	655.0800	Loop Detector Wire	LF	3,400.000	3,400.000
0286	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	7.000	7.000
0288	657.0322	Poles Type 5-Aluminum	EACH	7.000	7.000
0290	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000	2.000
0292	657.0715	Luminaire Arms Truss Type 4 1/2-Inch Clamp 15-FT	EACH	14.000	14.000
0294	658.5070	Signal Mounting Hardware (location) 01. Mineral Point Road & S. High Point Road	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0296	659.1120	Luminaires Utility LED B	EACH	14.000	14.000
0298	678.0200	Fiber Optic Splice Enclosure	EACH	1.000	1.000
0300	690.0150	Sawing Asphalt	LF	579.000	579.000
0302	690.0250	Sawing Concrete	LF	8,690.000	8,690.000
0304	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	2,565.000	2,565.000
0306	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
0308	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,160.000	2,160.000
0310	SPV.0060	Special 04. Precast Sign Post Base	EACH	14.000	14.000
0312	SPV.0060	Special 05. Sign Post Base for Concrete Installation	EACH	5.000	5.000
0314	SPV.0060	Special 07. Construction Staking Water Main	EACH	1.000	1.000
0316	SPV.0060	Special 09. Furnish and Install 16-Inch Water Valve	EACH	1.000	1.000
0318	SPV.0060	Special 11. Cut-In or Connect-To Existing Water System	EACH	2.000	2.000
0320	SPV.0060	Special 12. Adjust Water Valve Box Section	EACH	6.000	6.000
0322	SPV.0060	Special 30. Inlet Cover Type H Special	EACH	12.000	12.000
0324	SPV.0060	Special 32. Manhole Cover Type J Special	EACH	7.000	7.000
0326	SPV.0060	Special 39. Precast Concrete Culvert Bend	EACH	2.000	2.000
0328	SPV.0060	Special 50. Temporary Traffic Signals (Mineral Point Road & W. Beltline Highway)	EACH	1.000	1.000
0330	SPV.0060	Special 51. Temporary Traffic Signals (Mineral Point Road & S. High Point Road)	EACH	1.000	1.000
0332	SPV.0060	Special 52. Removing, Salvaging & Reinstalling Signal (Mineral Point Rd/W Beltline Hwy)	EACH	1.000	1.000
0334	SPV.0060	Special 53. Removing, Salvaging & Reinstalling Signal (Mineral Point Rd/S High Point Rd)	EACH	1.000	1.000
0336	SPV.0060	Special 54. Removing & Salvaging Signal (Mineral Point Rd & S High Point Rd)	EACH	1.000	1.000
0338	SPV.0060	Special 55. Electrical Pull Box, Type III	EACH	1.000	1.000
0340	SPV.0060	Special 56. Electrical Pull Box, Type V	EACH	4.000	4.000
0342	SPV.0060	Special 57. Electrical Pull Box, Type VII	EACH	1.000	1.000
0344	SPV.0060	Special 58. Concrete Base Type LB-8R	EACH	1.000	1.000
0346	SPV.0060	Special 59. Traffic Signal Heads 12-Inch 4-Section	EACH	4.000	4.000
0348	SPV.0060	Special 60. Backplates Signal Face, 4-Section 12-Inch	EACH	4.000	4.000
0350	SPV.0060	Special 61. Removing, Salvaging & Reinstalling Cable/Wire (Mineral Pt Rd/W Beltline Hwy)	EACH	1.000	1.000
0352	SPV.0060	Special 62. Removing, Salvaging & Reinstalling Cable/Wire (Mineral Pt Rd/S High Pt Rd)	EACH	1.000	1.000
0354	SPV.0060	Special 63. Fiber Optic Fusion Splice	EACH	444.000	444.000
0356	SPV.0060	Special 67. Inlet Covers Flat, Temporary	EACH	9.000	9.000
0358	SPV.0060	Special 68. Temporary Bus Stop	EACH	3.000	3.000
0360	SPV.0060	Special 71. Utility Line Opening (ULO)	EACH	5.000	5.000
0362	SPV.0060	Special 72. Termination Panel	EACH	1.000	1.000
0364	SPV.0060	Special 73. Temporary Lighting System Mineral Point Road	EACH	1.000	1.000
0366	SPV.0090	Special 01. Furnish and Install Watermain Pipe & Fittings, 16-Inch	LF	52.000	52.000
0368	SPV.0090	Special 04. Concrete Curb & Gutter 30-Inch Type D Special	LF	143.000	143.000
0370	SPV.0090	Special 05. Concrete Curb & Gutter 24-Inch Type A Special	LF	2,439.000	2,439.000
0372	SPV.0090	Special 06. Concrete Curb & Gutter 30-Inch Type A Special	LF	373.000	373.000
0374	SPV.0090	Special 08. Reflective Sign Post	LF	246.000	246.000
0376	SPV.0090	Special 09. Staking Temporary Pavement	LF	1,200.000	1,200.000
0378	SPV.0090	Special 10. Select Fill for Water Main	LF	52.000	52.000
0380	SPV.0090	Special 11. Fiber Optic Cable 12-Count	LF	210.000	210.000
0382	SPV.0090	Special 12. Fiber Optic Cable 144-Count	LF	3,060.000	3,060.000
0384	SPV.0165	Special 01. High Friction Colored Surface, Green	SF	520.000	520.000
0386	SPV.0165	Special 02. Methyl Methacrylate Marking Red	SF	3,000.000	3,000.000

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Line	Item	Item Description	Unit	Total	Qty
0388	SPV.0165	Special 03. Marking Removal Water Blasting Area	SF	4,288.000	4,288.000
0390	SPV.0170	Special 01. Pavement Cleanup	STA	43.000	43.000

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FIELD OFFICE AND CLEANUP

CATEGORY	LOCATION	642.5201 FIELD OFFICE TYPE C EACH	SPV.0170. SPECIAL (01. PAVEMENT CLEANUP) STA
0010	PROJECT	1	43
	PROJECT TOTAL	1	43

PREPARING AND FINISHING ROADWAY

CATEGORY	STATION	TO	STATION	LOCATION	211.0201.01 PREPARE FOUNDATION FOR CONCRETE PAVEMENT (PROJECT) (01. 5992-10-20) EACH	213.0100.01 FINISHING ROADWAY (PROJECT) (01. 5992-10-20) EACH
0010				5992-10-20	1	
	15+93	-	27+33	MINERAL POINT RD		
	301+72	-	304+07	S HIGH POINT RD		
				5992-10-20		1
				PROJECT TOTAL	1	1

SIDEWALK REMOVAL

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY	REMARKS
0010						
	20+60	-	20+71	MPR @ BIG SKY/TREE LN NW QUADRANT	10	STAGE 2
	21+86	-	21+91	MPR @ BIG SKY/TREE LN NE QUADRANT	5	STAGE 2
	27+18	-	27+24	S HIGH POINT RD WEST SIDEWALK	15	STAGE 2
	27+52	-	27+59	S HIGH POINT RD MEDIAN	25	STAGE 2
	27+91	-	27+98	S HGIH POINT RD EAST SIDEWALK	30	STAGE 2
	17+63	-	20+91	MPR FROM USH 12 WB OFF-RAMP TO BIG SKY DR	190	STAGE 3
	21+63	-	21+92	MPR @ BIG SKY/TREE LN SE	30	STAGE 3
				PROJECT TOTAL	305	

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 REMOVING STORM SEWER (SIZE) (01.12-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02.15-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 18-INCH) LF	204.0245.04 REMOVING STORM SEWER (SIZE) (04. 21-INCH) LF	204.0245.05 REMOVING STORM SEWER (SIZE) (05. 24-INCH) LF
0030									
	16+01	-	16+05		-	-	-	-	32
	18+26	-	18+37		40	-	-	-	-
	21+57	-	21+97		-	-	132	-	-
	24+28	-	24+28		-	-	32	-	-
	27+00	-	27+14		-	-	-	169	-
	27+09	-	27+14		6	-	-	-	-
	27+15	-	27+16		-	-	-	107	-
	27+15	-	27+22		-	7	-	-	-
	27+17	-	27+94		-	-	78	-	-
				PROJECT TOTAL	46	7	242	276	32

PAVEMENT REMOVAL

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
0010								
	15+92	-	27+32	MINERAL POINT RD WB	780	---	---	STAGE 2
	305+29	-	309+65	S HIGH POINT RD	---	1,025	---	STAGE 2
	17+39	-	22+02	MINERAL POINT RD WB	950	---	---	STAGE 2A
	27+31	-	28+03	MINERAL POINT RD WB	200	---	---	STAGE 2B
	26+89	-	27+58	S HIGH POINT ROAD	---	275	850	STAGE 3
	18+21	-	18+44	MINERAL POINT RD EB	35	---	---	STAGE 3
	20+72	-	27+22	MINERAL POINT RD EB	1,970	---	---	STAGE 3
	27+08	-	27+33	7895 DRIVEWAY	20	---	---	STAGE 3
	22+64	-	22+96	7803 DRIVEWAY	20	---	---	STAGE 3
	24+33	-	24+79	7801 NORTH DRIVEWAY	25	---	---	STAGE 3
	26+86	-	26+93	7801 EAST DRIVEWAY	10	---	---	STAGE 3
	27+49	-	27+59	7709 DRIVEWAY	30	---	---	STAGE 3
	15+92	-	27+23	MPR BRT AND INNER TURN LANES	3,700	1,950	---	STAGE 4
				PROJECT TOTAL	7,740	3,250	850	

REMOVING CURB AND GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010						
	15+96	-	20+86	MINERAL POINT RD MEDIAN	1,000	STAGE 1
	21+67	-	27+07	MINERAL POINT RD MEDIAN	1,100	STAGE 1
	21+56	-	21+80	TREE LN NE QUADRANT	40	STAGE 2
	27+32	-	27+33	S HIGH POINT RD SB	20	STAGE 2
	27+52	-	27+59	S HIGH POINT RD MEDIAN	110	STAGE 2
	27+82	-	27+82	S HIGH POINT RD NB	70	STAGE 2
	17+55	-	17+75	BIKE RAMP	20	STAGE 3
	21+22	-	21+23	BIG SKY DR MEDIAN	10	STAGE 3
	21+31	-	21+32	BIG SKY DR MEDIAN	10	STAGE 3
	26+92	-	26+93	7801 DRIVEWAY	15	STAGE 3
	27+48	-	27+52	7709 DRIVEWAY	40	STAGE 3
				PROJECT TOTAL	2,435	

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
0030			
	16+02	---	1
	16+02	---	1
	18+26	---	1
	18+28	---	1
	18+35	---	1
	21+57	---	1
	21+87	1	---
	21+89	---	1
	21+91	---	1
	21+97	---	1
	24+29	---	1
	24+30	---	1
	27+00	1	---
	27+15	1	---
	27+16	1	---
	27+93	1	---
	PROJECT TOTAL	5	11

CATEGORY	DIVISION	FROM/TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2)	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	REDUCED EBS IN FILL (9) FACTOR 1.00	EXPANDED EBS BACKFILL (11) FACTOR 1.00	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
CATEGORY 0010	STAGE 1	15+93 to 27+00	MINERAL POINT RD	1,170	59	130	1,040	47	76		0	1,040			
	STAGE 2	15+93 to 27+00	MINERAL POINT RD	1,531	77	940	591	77	77		0	591			
	STAGE 3	15+93 to 27+00	MINERAL POINT RD	897	44	486	411	44	44		0	411			
	STAGE 4	15+93 to 27+00	MINERAL POINT RD	3,412	169	0	3,412	169	169		0	3,412			
	CATEGORY 0010 TOTAL			7,010	348	1,556	5,454	336	366	---	---	5,454	---	---	
GRAND TOTAL				7,010	348		5,454	336	366		0	5,454			
	TOTAL COMMON EXC			7,358											

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 1.00
(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. EBS BACKFILL FACTOR = 1.00. ITEM NUMBER 208.1100
(13) EXPANDED FILL FACTOR = 1.25
DEPENDING ON SELECTIONS:
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR
(14) 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.
(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 305.0130 BASE AGGREGATE DENSE 3-INCH TON	* 415.4100 CONCRETE PAVEMENT JOINT FILLING SY	* 624.0100 WATER MGAL	SPV.0090.04 SPECIAL (04. CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL) LF	SPV.0090.05 SPECIAL (05. CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL) LF	SPV.0090.06 SPECIAL (06. CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL) LF	STAGE	REMARKS
0010													
	18+90	-	20+74	MINERAL POINT	40	44	39	2	88	106	54	2	
	21+36	-	21+36	MINERAL POINT	4	5	7	0.2	---	---	23	2B	TREE LN INTERSECTION
	21+54	-	22+02	MINERAL POINT	29	31	47	1.2	---	29	143	3	MINERAL POINT RD DRIVEWAYS
	22+02	-	26+96	MINERAL POINT	10	11	0	0.5	55	---	---	3	HIGH POINT RD DRIVEWAYS
	17+55	-	17+75	MINERAL POINT	3	4	5	0.2	---	20	---	3	BIKE RAMP
	18+20	-	18+32	MINERAL POINT	5	6	8	0.3	---	33	---	3	BIG SKY DR SW CURB RAMP
	20+11	-	23+16	MINERAL POINT	14	16	24	0.6	---	---	83	3	BIG SKY DR MEDIAN
	20+71	-	20+96	MINERAL POINT	12	13	20	0.5	---	---	70	3	BIG SKY DR SE CURB RAMP
	16+05	-	20+95	MINERAL POINT	153	168	229	6.5	---	1,027	---	4	MINERAL POINT MEDIAN US 12 TO PORKCHOP
	21+03	-	21+64	MINERAL POINT	22	24	32	1.0	---	144	---	4	MINERAL POINT PORKCHOP ISLAND
	21+72	-	26+98	MINERAL POINT	160	176	240	6.8	---	1,080	---	4	MINERAL POINT MEDIAN PORKCHOP TO HIGH POINT
	15+93	-	27+00	MINERAL POINT	---	---	315	---	---	---	---		EXISTING CURB AND GUTTER TO REMAIN
	PROJECT TOTAL				452	498	966	19.5	143	2,439	373		

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 305.0130 BASE AGGREGATE DENSE 3-INCH TON	405.0100 COLORING CONCRETE WISDOT RED CY	415.0095 CONCRETE PAVEMENT 9 1/2-INCH SY	415.1095 CONCRETE PAVEMENT HES 9 1/2-INCH SY	* 415.4100 CONCRETE PAVEMENT JOINT FILLING SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	* 624.0100 WATER MGAL	STAGE
0010														
	15+91	-	27+31	MINERAL POINT EB	633	697	-	1,899	-	1,899	100	8	26.6	2
	27+31		28+03	MINERAL POINT EB	-	-	-	-	289	289	48	8	-	2A
	17+39	-	22+02	MINERAL POINT EB	297	326	-	889	-	889	-	20	12.5	2B
	18+20	-	27+22	MINERAL POINT EB	631	694	-	1,892	-	1,892	-	-	26.5	3
	15+91	-	27+28	MINERAL POINT EB	1,210	1,331	251	3,628	-	3,628	754	34	50.9	4
				PROJECT TOTAL	2,771	3,048	251	8,308	289	8,597	902	70	116.5	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

MEDIAN NOSE

CATEGORY	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	STAGE
0010			
	HPR MEDIAN SOUTH	20	2
	HPR MEDIAN NORTH	6	2
	BIG SKY MEDIAN @ MPR	41	3
	MPR EAST MEDIAN @ USH 12 WB OFF RAMP	177	4
	MPR PORKCHOP MEDIAN SOUTH	5	4
	MPR PORKCHOPMEDIAN NORTH	5	4
	MPR EAST MEDIAN @ BIG SKY	5	4
	MPR WEST MEDIAN @ BIG SKY	5	4
	MPR WEST MEDIAN @ HPR	35	4
	PROJECT TOTAL	273	

CONCRETE PAVEMENT GAPS

CATEGORY	LOCATION	415.0210 CONCRETE PAVEMENT GAPS EACH	REMARKS
0010	MINERAL POINT RD	2	STAGE 2
	MINERAL POINT RD	1	STAGE 3
	PROJECT TOTAL	3	

PERMANENT HMA PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 305.0130 BASE AGGREGATE DENSE 3-INCH TON	* 455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	* 624.0100 WATER MGAL	STAGE	REMARKS
0010												
	305+30	-	309+65	HIGH POINT RD NORTH OF MINERAL POINT RD	355	390	149	209	120	14.9	2	
	20+98	-	21+55	BIG SKY DR	10	11	5	6	4	0.5	3	
	301+74	-	303+75	HIGH POINT RD SOUTH OF MINERAL POINT RD	-	-	119	166	95	-	3	MILLING
	301+74	-	303+75	HIGH POINT RD SOUTH OF MINERAL POINT RD	86	95	36	51	29	3.7	3	FULL DEPTH
				PROJECT TOTAL	451	496	309	432	248	19.1		

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TEMPORARY PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 455.0605 TACK COAT GAL	465.0125 ASPHALTIC SURFACE TEMPORARY TON	STAGE	REMARKS
0010									
	15+93	-	20+85	MINERAL POINT EB	72	135	270	1	MEDIAN
	21+66	-	27+07	MINERAL POINT EB	71	134	267	1	MEDIAN
	308+97	-	309+65	HIGH POINT NB	15	28	56	1	
				SUBTOTAL	158	297	593		

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

DRIVEWAYS

CATEGORY	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0815 CONCRETE DRIVEWAY 7-INCH SY	REMARKS
0010					
	20+30	7895 BIG SKY DR	5	14	STAGE 3
	22+80	7803 MINERAL POINT RD	7	19	STAGE 3
	24+50	7801 MINERAL POINT RD	8	22	STAGE 3
	26+90	7801 MINERAL POINT RD	3	8	STAGE 3
	27+54	7709 MINERAL POINT RD	10	26	STAGE 3
		PROJECT TOTAL	33	89	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

CONCRETE SIDEWALK & CURB RAMP

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	405.0200 COLORING CONCRETE CUSTOM CY	405.1000 STAMPING COLORED CONCRETE CY	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	* 624.0100 WATER MGAL	STAGE	REMARKS
0010															
	309+51	-	309+73	HIGH POINT RD	4	-	-	-	109	-	-	-	0.1	2	HIGH ROINT RD WEST SIDEWALK
	309+05		309+49	HIGH POINT RD	9	4	4	-	-	199	-	-	0.2	2	HIGH POINT RD MEDIAN
	309+28	-	309+77	HIGH POINT RD	10	-	-	-	272	-	-	-	0.2	2	HIGH POINT RD EAST SIDEWALK
	21+64	-	21+77	MINERAL POINT EB	5	-	-	-	-	98	16	-	0.1	2B	TREE LN NE
	17+55	-	20+95	MINERAL POINT EB	80	-	-	27	2,062	251	-	28	1.6	3	S MINERAL POINT RD FROM USH 12 TO BIG SKY
	21+23	-	21+33	MINERAL POINT EB	5	-	-	20	-	81	32	-	0.1	3	BIG SKY MEDIAN
	21+61	-	21+92	MINERAL POINT EB	10	-	-	18	-	206	10	-	0.2	3	BIG SKY DR SE
	21+04	-	21+64	MINERAL POINT EB	18	9	9	-	-	422	-	-	0.4	4	MINERAL POINT RD MEDAIN AT BIG SKY/TREE LN
	21+14	-	21+38	MINERAL POINT EB	14	-	-	65	-	260	37	-	0.3	4	MINERAL POINT RD MEDAIN AT BIG SKY/TREE LN
	21+25	-	21+49	MINERAL POINT EB	4	-	-	20	-	58	24	-	0.1	4	MINERAL POINT RD W MEDIAN AT HIGH POINT RD
				PROJECT TOTAL	159	13	13	150	2,443	1,575	119	28	3.3		

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

ADJUSTING STRUCTURES AND SALVAGING COVERS

CATEGORY	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.67 SPECIAL (INLET COVERS FLAT, TEMPORARY) EACH
0030				
	MINERAL POINT RD	6	2	9
	S HIGH POINT RD	1	---	---
	PROJECT TOTAL	7	2	9

INLET PROTECTION

CATEGORY	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH
0010	PROJECT	12	51
	PROJECT TOTAL	12	51

TRACKING PADS

CATEGORY	STAGE	628.7560 TRACKING PADS EACH
0010		
	STAGE 1	1
	STAGE 2	1
	STAGE 2A	1
	STAGE 2B	1
	STAGE 3	1
	STAGE 4	1
	PROJECT TOTAL	6

FINAL RESTORATION (SOD)

CATEGORY	STATION	TO	STATION		LOCATION	* 625.0100 TOPSOIL SY	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY	REMARKS
0010									
	16+05	-	20+95	LT	MINERAL POINT EB	839	19	839	MEDIAN USH 12 TO TREE LANE
	16+51	-	16+80	RT	MINERAL POINT EB	18	1	18	SE USH 12 OFF RAMP
	17+63	-	20+14	RT	MINERAL POINT EB	87	2	87	NORTH TERRACE MINERAL POINT ROAD
	17+75	-	20+16	RT	MINERAL POINT EB	124	3	124	SOUTH TERRACE MINERAL POINT ROAD
	18+90	-	20+75	LT	MINERAL POINT EB	38	1	38	BEHIND SOUTH MINERAL POINT ROAD PROPOSED SIDEWALK
	20+36	-	20+95	RT	MINERAL POINT EB	26	1	26	SW BIG SKY DRIVE
	21+22	-	21+33	RT	MINERAL POINT EB	24	1	24	SOUTH MEDIAN BIG SKY DRIVE
	21+57	-	26+99	LT	MINERAL POINT EB	344	8	344	NORTH TERRRACE TREE LANE TO HIGH POINT
	22+56	-	23+16	RT	MINERAL POINT EB	18	1	18	DRIVEWAY
	21+59	-	21+91	RT	MINERAL POINT EB	27	1	27	SE BIG SKY DRIVE
	21+72	-	26+90	LT	MINERAL POINT EB	541	13	541	MEDIAN TREE LANE TO HIGH POINT RD
	24+20	-	25+04	RT	MINERAL POINT EB	28	1	28	DRIVEWAY
	25+91	-	26+89	RT	MINERAL POINT EB	65	2	65	SW HIGH POINT INTERSECTION
	303+40	-	303+85	LT	HIGH POINT NB	32	1	32	SW HIGH POINT INTERSECTION
	302+23	-	302+28	LT	HIGH POINT NB	2	1	2	DRIVEWAY
	302+46	-	302+85	RT	HIGH POINT NB	4	1	4	DRIVEWAY
	308+35	-	310+29	RT	HIGH POINT NB	4.6	4.6	202	EAST TERRACE HIGH POINT RD
					PROJECT TOTAL	2,222	62	2,419	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

RIPRAP AND GEOTEXTILE

CATEGORY	LOCATION	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY
0030	EW251	10	10
	EW240 & EW250	90	130
	PROJECT TOTAL	100	140

SILT FENCE

CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0030						
	310+10	-	310+70	HIGH POINT NB	76	76
				UNDISTRIBUTED	8	8
				PROJECT TOTAL	84	84

FINAL RESTORATION

CATEGORY	STATION	TO	STATION		LOCATION	* 625.0100 TOPSOIL SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
0010												
	309+51	-	309+99	LT	HIGH POINT RD	127	127	0.1	6	4	3	NEAR WEST END WALL
	309+25	-	310+44	RT	HIGH POINT RD	525	525	0.4	24	15	12	NEAR EAST END WALLS
					UNDISTRIBUTED	66	66	1.0	3	2	2	
					PROJECT TOTAL	718	718	1.5	33	21	17	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

EROSION MOBILIZATIONS

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010			
	STAGE 1	1	3
	STAGE 2	1	3
	STAGE 3	1	3
	STAGE 4	1	3
	PROJECT TOTAL	4	12

3

REMOVING, SALVAGING & REINSTALLING (LOCATION)

CATEGORY	LOCATION	SPV.0060.52 REMOVING, SALVAGING & REINSTALLING TRAFFIC SIGNAL EQUIPMENT (MINERAL POINT RD/W BELTLINE HWY) EACH	SPV.0060.53 REMOVING, SALVAGING & REINSTALLING TRAFFIC SIGNAL EQUIPMENT (MINERAL POINT RD/S HIGH POINT RD) EACH	SPV.0060.54 REMOVING & SALVAGING SIGNAL (MINERAL POINT RD & S HIGH POINT RD) EACH	SPV.0060.61 REMOVING, SALVAGING REINSTALLING CABLE/WIRE (MINERAL PT RD/W BELTLINE HWY) EACH	SPV.0060.62 REMOVING, SALVAGING & REINSTALLING CABLE/WIRE (MINERAL PT RD/S HIGH PT RD) EACH
0040	MINERAL POINT ROAD & W. BELTLINE HIGHWAY	1	--	--	1	--
	MINERAL POINT ROAD & S. HIGH POINT ROAD	--	1	1	--	1
	PROJECT TOTAL	1	1	1	1	1

REMOVING TRAFFIC SIGNAL EQUIPMENT
FOR INFORMATION ONLY (SALVAGED EQUIPMENT)

EXISTING SIGNAL BASE NO.	PROPOSED SIGNAL BASE NO.	PEDESTAL BASES EACH	TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	POLES TYPE 2 EACH	POLES TYPE 3 EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	TROMBONE ARMS 12-FT EACH	TROMBONE ARMS 15-FT EACH	TRAFFIC SIGNAL FACE 3-SECTION EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH	PEDESTRIAN PUSH BUTTON EACH	LUMINAIRE ARM EACH	LUMINAIRES UTILITY LED D EACH	PTZ CAMERA EACH
MPR & W. BELTLINE HIGHWAY														
EXSB17	SB17	---	1	1	---	---	---	1	3	---	---	---	---	---
EXSB18	SB18	1	---	---	---	1	---	---	1	---	---	---	---	---
MPR & S. HIGH POINT ROAD														
EXSB1	SB1	---	---	---	---	---	---	---	1*	---	---	---	---	---
EXSB2	SB2	1	---	---	---	1*	---	---	1*	1	1	---	---	---
EXSB4	SB4	---	1	---	1	---	1	---	4	2	2	2	2	1
EXSB6	SB6	---	---	---	---	---	---	---	1*	---	---	---	---	---
EXSB7	SB7	1	---	---	---	1*	---	---	1*	1	1	---	---	---
PROJECT TOTAL		3	2	1	1	1	1	1	8	4	4	2	2	1

* ITEM TO BE RETURNED TO CITY

REMOVING CONCRETE BASES TOTAL

CATEGORY	STATION	STAGE	204.0195 REMOVING CONCRETE BASES EACH	REMARKS
0010				
	20+02	STAGE 3	1	
		CATEGORY 0010 TOTAL	1	
0040				
	16+24	STAGE 1	2	MPR @ W BELTLINE HIGHWAY
	20+06	STAGE 1	1	MPR @ HIGH POINT RD
		CATEGORY 0040 TOTAL	3	
0050				
	23+84	STAGE 1	1	
	26+84	STAGE 1	1	
	18+19	STAGE 1	1	
	25+84	STAGE 1	1	
	26+86	STAGE 1	1	
	21+97	STAGE 1	1	
		CATEGORY 0050 TOTAL	6	
		PROJECT TOTAL	10	

REMOVING PULL BOXES

CATEGORY	PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
0040	MINERAL POINT ROAD & W BELTLINE HIGHWAY	
	EXPB15	1
	MINERAL POINT ROAD & S HIGH POINT ROAD	
	EXPB5	1
	EXPB6	1
	PROJECT TOTAL	3

TEMPORARY TRAFFIC SIGNALS (LOCATION)

CATEGORY	LOCATION	SPV.0060.50 TEMPORARY TRAFFIC SIGNALS MINERAL POINT ROAD & S. HIGH POINT ROAD EACH	SPV.0060.51 TEMPORARY TRAFFIC SIGNALS MINERAL POINT ROAD & W. BELTLINE HIGHWAY EACH
0040	MINERAL POINT ROAD & W. BELTLINE HIGHWAY	--	1
	MINERAL POINT ROAD & S. HIGH POINT ROAD	1	--
	PROJECT TOTAL	1	1

3

FIBER OPTIC CONDUIT & CABLE

CATEGORY	FROM	TO	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	SPV.0090.11 FIBER OPTIC CABLE 12-COUNT L.F.	SPV.0090.12 FIBER OPTIC CABLE 144-COUNT L.F.	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM L.F.
0060	HH100	CB1	--	--	210	--	1
	HH100	HH101	480	480	--	960	--
	HH101	HH102	370	370	--	740	--
	HH102	HH103	620	620	--	1240	--
	HH103	HH104	60	60	--	120	1
			--	--	--	--	--
		PROJECT TOTAL	1530	1530	210	3060	2

FIBER SYSTEM

CATEGORY	LOCATION	678.0200 FIBER OPTIC SPLICE ENCLOSURE EACH	SPV.0060.63 FIBER OPTIC FUSION SPLICE EACH	SPV.0060.72 TERMINATION PANEL EACH
0060	HH100	1	300	--
	HH104	--	144	--
	CB1	--	--	1
	PROJECT TOTAL	1	444	1

TRAFFIC SIGNAL PULL BOXES

CATEGORY	PULL BOX NO.	LOCATION^	SPV.0060.55 ELECTRICAL PULL BOX TYPE III EACH	* SPV.0060.56 ELECTRICAL PULL BOX TYPE V EACH	653.0135 PULL BOX STEEL 24X36-INCH EACH
0040	MINERAL POINT ROAD & W BELTLINE HIGHWAY				
	PB15	STA 16+14, 27.5' LT	--	--	1
	PB16	STA 17+88, 31.0' LT	--	--	1
	MINERAL POINT ROAD & N HIGH POINT ROAD				
	PB5	STA 26+83, 29' LT	--	1	--
	PB6	STA 24+35, 19' LT	1	--	--
		PROJECT TOTAL	1	1	2

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

CATEGORY	SIGNAL BASE NO.	LOCATION^	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	SPV.0060.58 CONCRETE BASE TYPE LB-8R EACH
0040	MINERAL POINT ROAD & W BELTLINE HIGHWAY				
	SB17	STA 16+08, 26.0' LT	--	1	--
	SB18	STA 16+74, 21.0' LT	1	--	--
			--	--	--
	MINERAL POINT ROAD & N HIGH POINT ROAD				
	SB4	STA 26+89, 28.5' LT	--	--	1
		PROJECT TOTAL	1	1	1

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

LIGHTING

CATEGORY	LOCATION	204.9060.S.01 01. REMOVING LIGHT POLE EACH	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	654.0105 CONCRETE BASES TYPE 5 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0715 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 15-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH
0050									
	MINERAL POINT RD MEDIAN	---	1,075	---	---	---	---	---	---
	CROSSING MPR WB @ BIG SKY DR/TREE LN	---	52	---	---	---	---	---	---
	CROSSING TREE LN SB	---	70	---	---	---	---	---	---
	CROSSING MPR @ HPR	---	105	---	---	---	---	---	---
		---	---	300	---	---	---	---	---
		6	---	---	6	---	---	---	---
		---	---	---	---	7	---	---	---
		---	---	---	---	---	7	---	---
		---	---	---	---	---	---	14	---
		---	---	---	---	---	---	---	14
	SUBTOTAL	6	1,302	300	6	7	7	14	14

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

FIBER SYSTEM PULL BOXES

CATEGORY	PULL BOX NO.	LOCATION^	* SPV.0060.56 ELECTRICAL PULL BOX TYPE V EACH	SPV.0060.57 ELECTRICAL PULL BOX TYPE VII EACH
0060	HH100	STA 12+09, 43.6' RT	--	1
	HH101	STA 16+84, 37.0' RT	1	--
	HH102	STA 20+48, 27.4' RT	1	--
	HH103	STA 26+63, 27.1' RT	1	--
		PROJECT TOTAL	3	1

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

TRAFFIC DETECTOR LOOPS

CATEGORY	LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
0040	MINERAL POINT ROAD & W BELTLINE HIGHWAY								
	61	PB16	STA 17+78, 40.5' LT	6X10	5	CONCRETE	48	665	184
	62	PB16	STA 17+77, 62.5' LT	6X10	5	CONCRETE	88	665	226
	63	PB16	STA 17+77, 73.0' LT	6X10	5	CONCRETE	110	665	250
	MINERAL POINT ROAD & N HIGH POINT ROAD								
	21	PB6	STA 24+35, 6.0' LT	6X10	5	CONCRETE	42	435	215
	22	PB6	STA 24+35, 6.0' RT	6X10	5	CONCRETE	54	435	275
	23	PB6	STA 24+35, 16.5' RT	6X10	5	CONCRETE	65	435	330
	24	PB5	STA 26+79, 5.5' LT	6X10	3	CONCRETE	54	180	167
	25	PB4	STA 26+79, 5.5' RT	6X10	3	CONCRETE	46		149
	26	PB4	STA 26+79, 16.5' RT	6X10	3	CONCRETE	35		115
	27	PB5	STA 27+09, 5.5' LT	6X10	3	CONCRETE	59	180	182
	42	PB8	STA 305+46, 5.5' LT	6X8	4	ASPHALT	48		192
	43	PB8	STA 305+35, 5.5' LT	6X8	4	ASPHALT	42		168
	44	PB8	STA 305+46, 16.0' LT	6X8	4	ASPHALT	56		224
	45	PB8	STA 305+35, 16.0' LT	6X8	4	ASPHALT	48		192
	51	PB5	STA 26+79, 17.0' LT	6X6	3	CONCRETE	42	180	131
	401	PB8	STA 305+09, 14.5' LT	3X6	5	CONCRETE	80		400
						PROJECT TOTAL	837	3840	3400

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CONDUIT

CATEGORY	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F. *	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH L.F.
0040	MINERAL POINT ROAD & W BELTLINE HIGHWAY			
	PB14	PB15	--	108
	PB15	PB16	175	--
	PB15	SB17	10	--
	PB15	SB18	60	--
	MINERAL POINT ROAD & S HIGH POINT ROAD			
	PB1	PB3	--	30
	PB4	PB5	--	100
	PB5	SB4	5	--
	PB5	PB6	250	--
	PB5	PB7	--	80
	PB12	PB13	--	46
	CATEGORY 0040 TOTAL		500	364
	PROJECT TOTAL		500	364

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EQUIPMENT

CATEGORY	PROPOSED SIGNAL BASE NO.	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	SPV.0060.59 TRAFFIC SIGNAL HEADS 12-INCH 4-SECTION EACH	SPV.0060.60 BACKPLATES SIGNAL FACE 4-SECTION 12-INCH EACH
0040	SB1	---	1	1
	SB2	1	1	1
	SB3	---	---	---
	SB6	---	1	1
	SB7	1	1	1
	CATEGORY 0040 TOTAL	2	4	4
		2	4	4

SIGNAL MOUNTING HARDWARE

CATEGORY	LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE EA
0040	MINERAL POINT ROAD & S. HIGH POINT ROAD	1
	PROJECT TOTAL	1

TRAFFIC CONTROL

CATEGORY	LOCATION	STAGE	TIMELINE DAYS	NUMBER IN SERVICE EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	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 DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0810 TRAFFIC CONTROL CONNECTED ARROW BOARDS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1222 TRAFFIC CONTROL CONNECTED WORK ZONE END LOCATION MARKERS DAY
0010													
		STAGE 1	29	35	---	1,015	---	---	2,030	---	29	---	29
	MINERAL POINT ROAD	STAGE 1	29	170	4,930	---	---	---	---	493	---	---	29
	HIGH POINT ROAD	STAGE 1	29	2	---	---	---	---	---	---	---	---	29
		STAGE 2	50	12	---	600	---	---	1,200	---	150	---	50
	MINERAL POINT ROAD	STAGE 2	50	230	11,500	---	---	---	---	2,900	---	---	50
	HIGH POINT ROAD	STAGE 2	50	30	1,500	---	---	---	---	500	---	---	50
	HIGH POINT ROAD	STAGE 3	48	15	720	---	17	17	---	---	---	---	48
	MINERAL POINT ROAD	STAGE 3	48	30	1,440	---	---	---	---	816	---	---	48
		STAGE 3	48	9	---	432	---	---	864	---	---	96	48
		STAGE 4	53	26	---	1,378	---	---	2,756	---	---	---	53
	MINERAL POINT ROAD	STAGE 4	53	260	13,780	---	---	---	---	3,339	---	---	53
	HIGH POINT ROAD	STAGE 4	53	27	---	---	---	---	---	---	---	---	53
		UNDISTRIBUTED	---	---	5,081	514	3	3	1,028	1,207	27	14	81
		PROJECT TOTAL			38,951	3,939	20	20	7,878	9,255	206	110	621

REMOVING SIGNS

CATEGORY	STATION	(-) DENOTES LEFT OFFSET	SIGN NO.	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
0010						
	17+09	36.4	NA	MINERAL POINT EB	-	1
	19+90	-30.0	208R	MINERAL POINT EB	1	-
	19+90	-30.0	209R	MINERAL POINT EB	1	-
	26+29	-73.0	307R	MINERAL POINT EB	1	1
			PROJECT TOTAL		3	2

MOVING SIGNS

CATEGORY	FROM (-) DENOTES LEFT STATION	FROM (-) DENOTES LEFT OFFSET	TO (-) DENOTES LEFT STATION	TO (-) DENOTES LEFT OFFSET	SIGN CODE	LOCATION	638.2101 MOVING SIGNS TYPE I EACH	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	* SPV.0060.04 SPECIAL (04. PRECAST SIGN POST BASE) EACH	* SPV.0060.05 SPECIAL (05. SIGN POST BASE FOR CONCRETE INSTALLATION) EACH	* SPV.0090.08 SPECIAL (08. REFLECTIVE SIGN POST) LF
0010												
	16+04	-30.1	16+04	-30.1	202M	MINERAL POINT EB	-	1	1	-	-	-
	16+04	-30.1	16+04	-30.1	203M	MINERAL POINT EB	1	-		-	-	-
	17+91	-23.6	17+91	-23.6	206M	MINERAL POINT EB	1	-	2	-	-	-
	18+97	-28.3	18+97	-28.3	207M	MINERAL POINT EB	-	1	-	-	-	-
	20+59	-28.6	20+59	-28.6	210M	MINERAL POINT EB	-	1	-	-	-	-
	21+28	26.5	21+28	26.5	112M	MINERAL POINT EB	-	1	-	-	1	14
	21+28	26.5	21+28	43.2	113M	MINERAL POINT EB	-	-	-	1	-	14
	21+63	43.9	21+63	43.9	114M	MINERAL POINT EB	-	1	1	1	-	-
	22+07	-17.8	22+07	-17.8	215M	MINERAL POINT EB	-	1	-	-	-	-
	22+47	-75.5	22+47	-75.5	304M	MINERAL POINT EB	-	4	1	1	-	-
	23+82	-19.6	23+82	-19.6	216M	MINERAL POINT EB	1	-	-	-	-	-
	24+70	-25.9	24+70	-25.9	217M	MINERAL POINT EB	1	-	-	-	-	-
	25+00	-73.2	25+00	-73.2	305M	MINERAL POINT EB	-	3	-	-	-	-
	25+33	-28.2	25+33	-28.2	218M	MINERAL POINT EB	-	1	-	-	-	-
	25+84	-74.6	25+84	-74.6	306M	MINERAL POINT EB	-	1	-	-	-	-
	304+56	-40.7	304+56	-40.7	219M	HIGH POINT NB	-	2	-	-	-	-
	309+39	0.1	309+46	-0.3	502M	HIGH POINT NB	-	1	-	-	-	-
						PROJECT TOTAL	4	18	5	3	1	28

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

PERMANENT SIGNING

CATEGORY	STATION	(-) DENOTES LEFT OFFSET	SIGN NO.	SIGN CODE	WIDTH (INCHES)	HEIGHT (INCHES)	LOCATION	637.2210 SIGNS TYPE II REFLECTIVE H SF	* SPV.0060.04 SPECIAL (04. PRECAST SIGN POST BASE) EACH	* SPV.0060.05 SPECIAL (05. SIGN POST BASE FOR CONCRETE INSTALLATION) EACH	* SPV.0090.08 SPECIAL (08. REFLECTIVE SIGN POST) LF	REMARKS
0010												
	16+79	-23.3	204	R6-2R	24	30	MINERAL POINT EB	5.00	1	-	-	MOUNT ON TRAFFIC SIGNAL POLE
	17+20	35.0	107	R3-17	30	24	MINERAL POINT EB	5.00				
				R3-17BP	30	12		2.50	1	-	-	
	17+51	-22.7	205	BUS+LT	30	24	MINERAL POINT EB	5.00	-	-	-	MOUNT ON LIGHT POLE
	17+99	31.6	108	R2-1	24	30	MINERAL POINT EB	5.00	1	-	14	
	18+89	27.8	109	R7-1D	18	24	MINERAL POINT EB	3.00	1	-	14	
	19+31	26.3	110	R7-66	30	24	MINERAL POINT EB	5.00	-	1	14	
	20+78	29.9	111	W11-15	30	30	MINERAL POINT EB	6.25				
				W16-7L	24	12		2.00	1	-	14	
	21+13	-16.0	211	W11-15	30	30	MINERAL POINT EB	6.25				
				W16-7L	24	12		2.00	1	-	14	
	21+52	-30.9	212	W11-15	30	30	MINERAL POINT EB	6.25				
				W16-7L	24	12		2.00	1	-	14	
	20+85	-29.7	213	R6-2R	24	30	MINERAL POINT EB	5.00		1	14	
	21+76	-15.3	214	R6-2R	24	30	MINERAL POINT EB	5.00		1	14	
	21+79	-74.5	303	W11-15	30	30	MINERAL POINT EB	6.25				
				W16-7L	24	12		2.00	1	-	14	
	23+86	27.0	115	R7-1D	18	24	MINERAL POINT EB	3.00	1	-	14	
	25+80	27.2	116	R7-1D	18	24	MINERAL POINT EB	3.00	1	-	14	
	26+56	-74.8	308	R7-1D	18	24	MINERAL POINT EB	3.00	1	-	14	
	302+24	31.2	401	R10-7 (MOD)	30	24	HIGH POINT NB	5.00	-	1	14	
							CATEGORY 0010 TOTAL	87.5	11	4	218	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

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TEMPORARY SIGNS

CATEGORY	STAGE	TIMELINE DAYS	NUMBER IN SERVICE EACH	643.0900 TRAFFIC CONTROL SIGNS DAY
0010				
	STAGE 1	29	41	1,189
	STAGE 1 PED	29	23	667
	STAGE 2	50	41	2,050
	STAGE 2 PED	50	15	750
	STAGE 3	48	24	1,152
	STAGE 3 PED	48	37	1,776
	STAGE 4	53	41	2,173
	STAGE 4 PED	53	16	848
	PROJECT TOTAL			10,605

TEMPORARY BUS STOP

SPV.0060.68
SPECIAL (68. TEMPORARY BUS STOP)

CATEGORY	LOCATION	EACH	STAGE
0010			
	MINERAL POINT RD	1	STAGE 1
	S HIGH POINT RD	1	STAGE 2
	MINERAL POINT RD	1	STAGE 4
	CATEGORY 0010 TOTAL	3	

TEMPORARY PEDESTRIAN ACCOMMODATIONS

CATEGORY	TIMELINE DAYS	LOCATION	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICES DAY	REMARKS
0010					
	29	MPR @ HPR	---	232	STAGE 1
	50	MPR @ USH 12 WB OFF RAMP	24	100	STAGE 2
	48	MPR @ BIG SKY	24	1,152	STAGE 3
	53	MPR @ HPR SW QUADRANT	670	424	STAGE 4
		PROJECT TOTAL	718	1,908	

PAVEMENT MARKING

CATEGORY	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.2020 MARKING LINE EPOXY 6-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.4020 MARKING LINE EPOXY 10-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	SPV.0165.01 SPECIAL (01. HIGH FRICTION COLORED SURFACE, GREEN) SF	SPV.0165.02 SPECIAL (02. METHYL METHACRYLATE MARKING RED) SF
0010															
	USH 12 WB OFF-RAMP TO S HIGH POINT RD	---	1,431	2,297	172	7	17	1	173	---	741	105	7	520	3,000
	S HIGH POINT RD	2,926	266	177	---	7	4	2	31	34	225	130	4	---	---
	PROJECT TOTAL	2,926	1,697	2,474	172	14	21	3	204	34	966	235	11	520	3,000

TEMPORARY MARKINGS

CATEGORY	LOCATION	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH LF	643.3550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF
0010					
	STAGE 1	356	42	2	453
	STAGE 2	515	4,515	4	453
	STAGE 2A	170	2,487	5	453
	STAGE 2B	325	3,760	3	453
	STAGE 3	4,382	357	5	---
	STAGE 4	305	323	---	---
	PROJECT TOTAL	6,054	11,484	19	1,812

PAVEMENT MARKING REMOVAL

CATEGORY	STATION	TO	STATION		LOCATION	646.9002 MARKING REMOVAL LINE 6-INCH LF	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH	SPV.0165.03 SPECIAL (SPV.0165.03 MARKING REMOVAL WATER BLASTING AREA) SF	REMARKS
0010									
	12+36	-	13+40	LT	MINERAL POINT EB	146	9	---	STAGE 1
	21+70	-	27+00	LT	MINERAL POINT EB	---	---	4,288	STAGE 1
	2+65	-	3+65	RT	MINERAL POINT EB	99	---	---	STAGE 3
	3+63	-	4+33	RT	MINERAL POINT EB	70	---	---	STAGE 3
	7+24	-	7+74	RT	MINERAL POINT EB	50	---	---	STAGE 3
	7+24	-	8+18	RT	MINERAL POINT EB	95	---	---	STAGE 3
	7+30	-	8+42	RT	MINERAL POINT EB	113	---	---	STAGE 3
	25+06	-	26+88	LT	MINERAL POINT EB	182	---	---	STAGE 3
					CATEGORY 0010 TOTAL	755	9	4,288	

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WATERMAIN

CATEGORY	LOCATION	204.9090.S.01 01. REMOVING WATERMAIN LF	612.0902.S.01 INSULATION BOARD POLYSTYRENE (INCH) (01. 4-INCH) SY	SPV.0060.07 SPECIAL (07. CONSTRUCTION STAKING WATERMAIN) EACH	SPV.0060.09 SPECIAL (09. FURNISH AND INSTALL 16-INCH WATER VALVE) EACH	SPV.0060.11 SPECIAL (11. CUT-IN OR CONNECT- TO EXISTING WATER SYSTEM) EACH	SPV.0060.12 SPECIAL (12. ADJUST WATER VALVE BOX SECTION) EACH	SPV.0090.01 SPECIAL (01. FURNISH AND INSTALL WATERMAIN PIPE & FITTINGS, 16-INCH) LF	SPV.0090.10 SPECIAL (10. SELECT FILL FOR WATER MAIN) LF	REMARKS
0080										
	MINERAL POINT RD	---	---	---	---	---	6	---	---	
	S HIGH POINT RD	52	8	1	1	2	---	52	52	STAGE 1
	PROJECT TOTAL	52	8	1	1	2	6	52	52	

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.8501.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 5992-10-20) EACH	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500.01 CONSTRUCTION STAKING SIDEWALK (PROJECT) (01. 5992-10-20) EACH	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 5992-10-20) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	SPV.0090.09 SPECIAL (09. STAKING TEMPORARY PAVEMENT) LF
0010																
				PROJECT	31	-	-	3,000	-	-	1	6	1	1	-	1,200
	20+72	-	27+60	MINERAL POINT EASTBOUND	-	688	-	-	688	-	-	-	-	-	688	-
	115+91	-	128+02	MINERAL POINT WESTBOUND	-	1,211	-	-	1,211	-	-	-	-	-	1,211	-
	301+72	-	303+70	HIGH POINT RD	-	198	198	-	-	198	-	-	-	-	198	-
	305+30		309+65	HIGH POINT RD	-	435	435	-	-	-	-	-	-	-	435	-
				PROJECT TOTAL	31	2,532	633	3,000	1,899	198	1	6	1	1	2,532	1,200

ABBREVIATIONS
SSP - STORM SEWER PIPE
RC - REINFORCED CONCRTE
HE - HORIZONTAL ELIPTICAL

STORM SEWER PIPE

CATEGORY	PIPE NUMBER	START STRUCTURE	START INVERT	START STATION	START OFFSET	END STRUCTURE	END INVERT	END STATION	END OFFSET	SLOPE	LENGTH	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0315 SSPRC CLASS III 15-INCH LF	608.0318 SSPRC CLASS III 18-INCH LF	608.0324 SSPRC CLASS III 24-INCH LF	608.0330 SSPRC CLASS III 30-INCH LF	608.0336 SSPRC CLASS III 36-INCH LF	608.0348 SSPRC CLASS III 48-INCH LF	608.2324 SSPRCHE HE-III 24X38-INCH LF	608.2329 SSPRCHE HE-III 29X45-INCH LF
0030																					
	2001	C201	1046.489'	16+01	-34	-	1046.462'	16+01	-42.4	0.32%	8.4	MINERAL POINT EB	1	-	-	8	-	-	-	-	-
	2002	C202	1046.552'	16+05	-11.7	C201	1046.489'	16+01	-34	0.28%	22.7	MINERAL POINT EB	-	-	-	23	-	-	-	-	-
	2101	C211	1054.450'	18+26	-18.1	-	1054.400'	18+26	-10.1	0.62%	8	MINERAL POINT EB	1	8	-	-	-	-	-	-	-
	2102	C212	1054.550'	18+34	-36.6	C211	1054.450'	18+26	-18.1	0.50%	20.1	MINERAL POINT EB	-	20	-	-	-	-	-	-	-
	2103	-	1054.609'	18+37	-48.1	C212	1054.550'	18+34	-36.6	0.50%	11.8	MINERAL POINT EB	1	12	-	-	-	-	-	-	-
	2201	C221	1056.380'	21+89	-22.4	M220	1055.630'	21+87	-61.3	1.93%	39	MINERAL POINT EB	-	-	-	-	39	-	-	-	-
	2202	C222	1056.650'	21+90	-12	C221	1056.380'	21+89	-22.4	2.56%	10.5	MINERAL POINT EB	-	-	-	-	11	-	-	-	-
	2203	C223	1057.200'	21+97	23.3	C222	1056.650'	21+90	-12	1.53%	35.8	MINERAL POINT EB	-	-	-	-	36	-	-	-	-
	2204	C224	1057.340'	21+58	45.6	C223	1057.200'	21+97	23.3	0.31%	45.1	MINERAL POINT EB	-	-	-	-	45	-	-	-	-
	2205	C225	1057.849'	21+44	-17.5	C221	1057.622'	21+89	-22.4	0.50%	45.3	MINERAL POINT EB	-	45	-	-	-	-	-	-	-
	2206	C226	1057.966'	21+24	-29.1	C225	1057.849'	21+44	-17.5	0.50%	23.3	MINERAL POINT EB	-	23	-	-	-	-	-	-	-
	2301	C231	1058.872'	24+28	-26.8	-	1058.566'	24+28	-35	3.72%	8.2	MINERAL POINT EB	1	-	8	-	-	-	-	-	-
	2302	C232	1059.551'	24+28	-15.6	C231	1059.500'	24+28	-26.8	0.46%	11.1	MINERAL POINT EB	-	-	11	-	-	-	-	-	-
	2303	-	1059.797'	24+28	-6.4	C232	1059.750'	24+28	-15.6	0.51%	9.3	MINERAL POINT EB	1	-	9	-	-	-	-	-	-
	2401	M241	1040.050'	27+42	-472.5	EW240	1037.596'	28+56	-553.6	1.76%	139.6	MINERAL POINT EB	-	-	-	-	-	140	-	-	-
	2402	M242	1045.696'	27+36	-349.9	M241	1040.050'	27+42	-472.5	4.60%	122.7	MINERAL POINT EB	-	-	-	-	-	-	-	-	-
	2403	CB243	1056.000'	27+21	-60	M242	1048.000'	27+36	-349.9	2.76%	290.3	MINERAL POINT EB	-	-	-	-	-	-	-	-	290
	2404	M244	1062.250'	27+15	49.4	CB243	1061.000'	27+21	-60	1.14%	109.5	MINERAL POINT EB	-	-	-	-	110	-	-	-	-
	2405	M245	1065.850'	26+98	216.7	M244	1062.500'	27+15	49.4	1.99%	168.2	MINERAL POINT EB	-	-	-	168	-	-	-	-	-
	2406	M246	1063.000'	27+94	-60.2	CB243	1062.250'	27+21	-60	1.02%	73.5	MINERAL POINT EB	-	-	-	-	-	-	-	74	-
	2407	CB243	1059.500'	27+21	-60	-	1059.459'	27+13	-60	0.51%	8	MINERAL POINT EB	1	-	-	-	8	-	-	-	-
	2501	BEND-251	1036.571'	27+78	-525.2	EW250	1035.900'	28+43	-563.2	0.89%	75.3	MINERAL POINT EB	-	-	-	-	-	-	75	-	-
	2502	BEND-252	1036.943'	27+36	-525.9	BEND-251	1036.571'	27+78	-525.2	0.89%	41.8	MINERAL POINT EB	-	-	-	-	-	-	42	-	-
	2503	EW251	1037.400'	26+78	-555.6	BEND-252	1036.943'	27+36	-525.9	0.69%	65.9	MINERAL POINT EB	-	-	-	-	-	-	66	-	-
												PROJECT TOTAL	6	109	29	199	248	140	183	74	290

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NUMBER	ELEVATION	STATION	OFFSET	LOCATION	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	SPV.0060.30 SPECIAL (30. INLET COVER TYPE H SPECIAL) EACH	SPV.0060.32 SPECIAL (32. MANHOLE COVER TYPE J SPECIAL) EACH	SPV.0060.39 SPECIAL (39. PRECAST CONCRETE CULVERT BEND) EACH
0030															
	BEND-251	1041.229'	27+78	-525.2	MINERAL POINT EB	-	-	-	-	-	-	-	-	-	1
	BEND-252	1041.601'	27+36	-525.9	MINERAL POINT EB	-	-	-	-	-	-	-	-	-	1
	C201	1054.440'	16+01	-34	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	C202	1054.459'	16+05	-11.7	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	C211	1058.302'	18+26	-18.1	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	C212	1058.467'	18+34	-36.6	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	C221	1061.768'	21+89	-22.4	MINERAL POINT EB	-	-	-	-	1	-	-	1	-	-
	C222	1061.998'	21+90	-12	MINERAL POINT EB	-	-	-	-	1	-	-	1	-	-
	C223	1061.599'	21+97	23.3	MINERAL POINT EB	-	-	-	-	1	-	-	1	-	-
	C224	1061.452'	21+58	45.6	MINERAL POINT EB	-	-	-	-	1	-	-	1	-	-
	C225	1061.480'	21+44	-17.5	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	C226	1061.389'	21+24	-29.1	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	C231	1063.630'	24+28	-26.8	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	C232	1064.041'	24+28	-15.6	MINERAL POINT EB	-	-	-	-	-	-	1	1	-	-
	CB243	1066.445'	27+21	-60	MINERAL POINT EB	-	-	1	-	-	-	-	-	1	-
	EW240	1040.930'	28+56	-553.6	MINERAL POINT EB	1	-	-	-	-	-	-	-	-	-
	EW250	1040.317'	28+43	-563.2	MINERAL POINT EB	-	1	-	-	-	-	-	-	-	-
	EW251	1041.817'	26+78	-555.6	MINERAL POINT EB	-	1	-	-	-	-	-	-	-	-
	M220	1061.619'	21+87	-61.3	MINERAL POINT EB	-	-	-	-	-	1	-	-	1	-
	M241	1047.543'	27+42	-472.5	MINERAL POINT EB	-	-	-	-	1	-	-	-	1	-
	M242	1053.985'	27+36	-349.9	MINERAL POINT EB	-	-	-	-	1	-	-	-	1	-
	M244	1066.348'	27+15	49.4	MINERAL POINT EB	-	-	-	-	-	1	-	-	1	-
	M245	1071.759'	26+98	216.7	MINERAL POINT EB	-	-	-	1	-	-	-	-	1	-
	M246	1067.639'	27+94	-60.2	MINERAL POINT EB	-	-	-	-	-	1	-	-	1	-
					PROJECT TOTAL	1	2	1	1	6	3	8	12	7	2

ULOs

CATEGORY	PROJECT	SPV.0060.71 SPECIAL (71. UTILITY LINE OPENING (ULO)) EACH
0010	5992-10-20	5
	TOTAL 0010	5

TEMPORARY LIGHTING SYSTEM MINERAL POINT ROAD

CATEGORY	LOCATION	SPV.0060.73 SPECIAL EACH	REMARKS
0050	MINERAL POINT ROAD	1	
	TOTAL 0050	1	

SAWCUTTING

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010							
	15+95	-	20+86	MINERAL POINT RD MEDIAN	---	1,010	STAGE 1
	21+67	-	27+09	MINERAL POINT RD MEDIAN	---	1,108	STAGE 1
	15+92	-	19+74	MPR WB	---	552	STAGE 2
	22+02	-	27+32	MPR WB	---	1,096	STAGE 2
	27+05	-	27+24	MPR WB TEMP HMA AFTER STORM SEWER CONSTRUCTION	---	30	STAGE 2
	309+28	-	309+77	HPR EAST SIDEWALK NORTH OF MPR INTERSECTION	---	11	STAGE 2
	309+51	-	309+73	HPR WEST SIDEWALK NORTH OF MPR INTERSECTION	---	10	STAGE 2
	305+30	-	309+65	HPR NORTH OF MPR INTERSECTION	316	---	STAGE 2
	27+31	-	28+03	MPR WB	---	189	STAGE 2A
	17+39	-	22+02	MPR WB @ TREE LN INTERSECTION	---	957	STAGE 2B
	20+60	-	20+71	TREE LN NW QUADRANT	---	12	STAGE 2B
	21+86	-	21+91	TREE LN NE QUADRANT	---	5	STAGE 2B
	21+82	-	22+02	MPR WB TEMP HMA AFTER STORM SEWER CONSTRUCTION	---	53	STAGE 2B
	15+92	-	27+32	CURB CUTS	---	30	STAGE 2,2A, 2B
	18+21	-	18+44	MPR EB PANEL REPLACEMENT	---	75	STAGE 3
	20+72	-	27+22	MPR EB	---	1,173	STAGE 3
	20+98	-	21+55	BIG SKY DR NB & SB	45	---	STAGE 3
	301+72	-	303+70	HPR SOUTH OF MPR INTERSECTION	197	---	STAGE 3
	20+13	-	20+35	7895 DRIVEWAY	21	---	STAGE 3
	22+66	-	22+91	7803 DRIVEWAY	---	25	STAGE 3
	24+42	-	24+70	7801 DRIVEWAY ON MPR	---	28	STAGE 3
	26+86	-	26+95	7801 DRIVEWAY ON HPR	---	16	STAGE 3
	27+56	-	27+59	7709 DRIVEWAY	---	31	STAGE 3
	17+63	-	27+59	CURB CUTS	---	42	STAGE 3
	15+92	-	27+05	MPR INSIDE LANES AND MEDIAN	---	2,237	STAGE 4
				PROJECT TOTAL	579	8,690	

UTILITIES			
MARKER	UTILITY NAME	MARKER	UTILITY NAME
1	ALLIANT ENERGY (ELECTRICITY)	6	MCI (COMMUNICATIONS)
2	CHARTER COMMUNICATIONS (COMMUNICATIONS)	7	WINDSTREAM (COMMUNICATIONS)
3	CITY OF MADISON (FIBER)	8	TDS TELECOM (COMMUNICATIONS)
4	MADISON GAS & ELECTRIC (GAS)	9	LUMEN (COMMUNICATIONS)
5	MADISON WATER (WATER)	10	WIN/SUPRANET

BEGIN PROJECT 5992-10-20
STA 15+92.62
Y=477,654.095
X=784,391.283

BEGIN CONSTRUCTION
STA 15+92.69
MATCH EXISTING
SAW CUT REQ'D

CAUTION

CURB & GUTTER TO REMAIN

MINERAL POINT ROAD

USH 12 NB OFF-RAMP

R/W

MATCH LINE 19+50

BENCHMARKS/CONTROL POINTS							
POINT #	STATION	OFFSET	DESCRIPTION	REFERENCE ALIGNMENT	EASTING	NORTHING	ELEVATION
104	17+58.20	44.725'RT	BM HYD OP CARPET PLUS	AliProf-MINERAL POINT-EB	784,557.8980'	477,601.8640'	1,061.146'
105	17+18.42	38.447'RT	CP X IN WALK E/OFF RMP	AliProf-MINERAL POINT-EB	784,518.0040'	477,607.3800'	1,056.993'

ORIGINAL GROUND

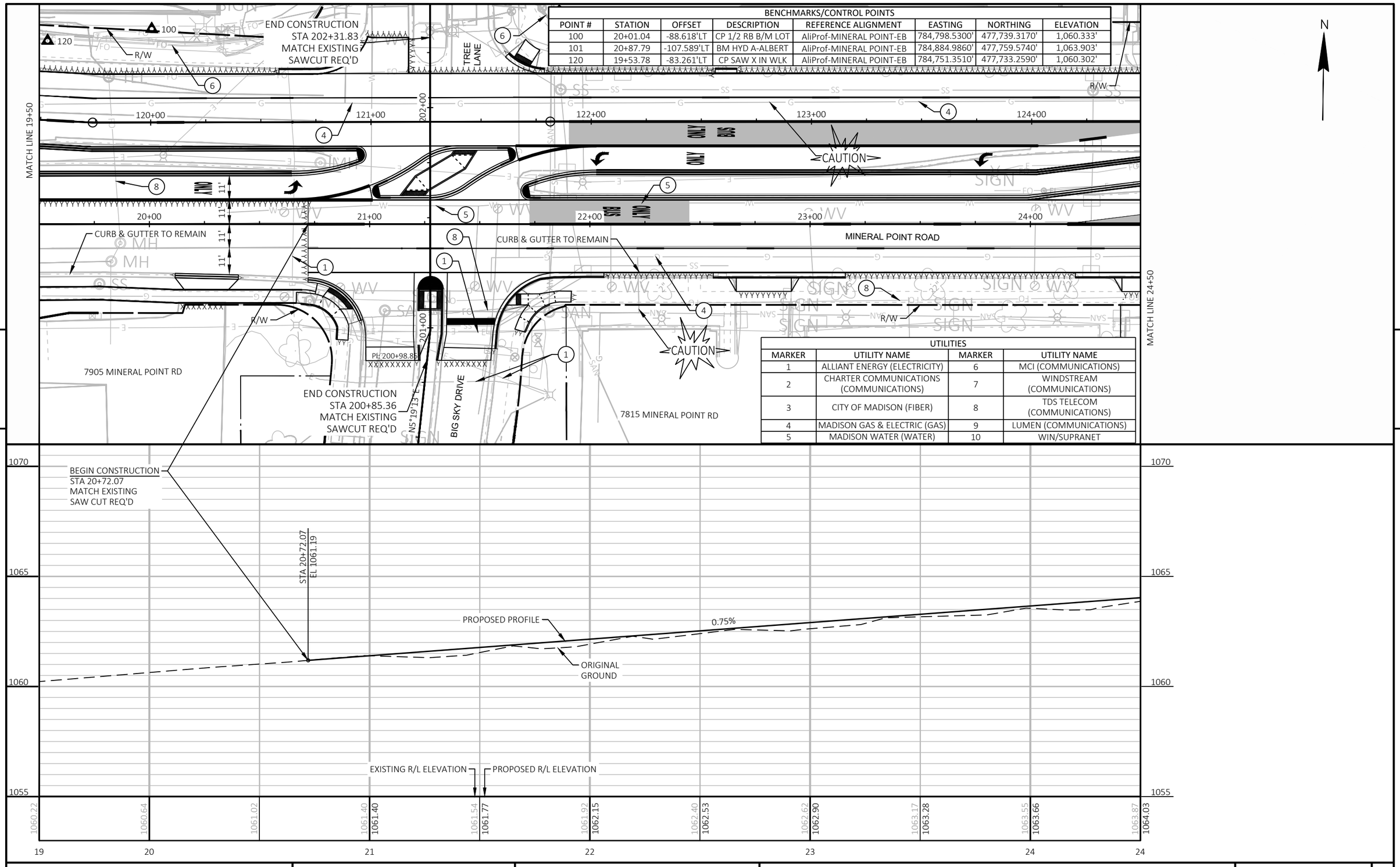
EXISTING R/L ELEVATION

PROPOSED R/L ELEVATION

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: MINERAL POINT ROAD-EASTBOUND	SHEET 181 E

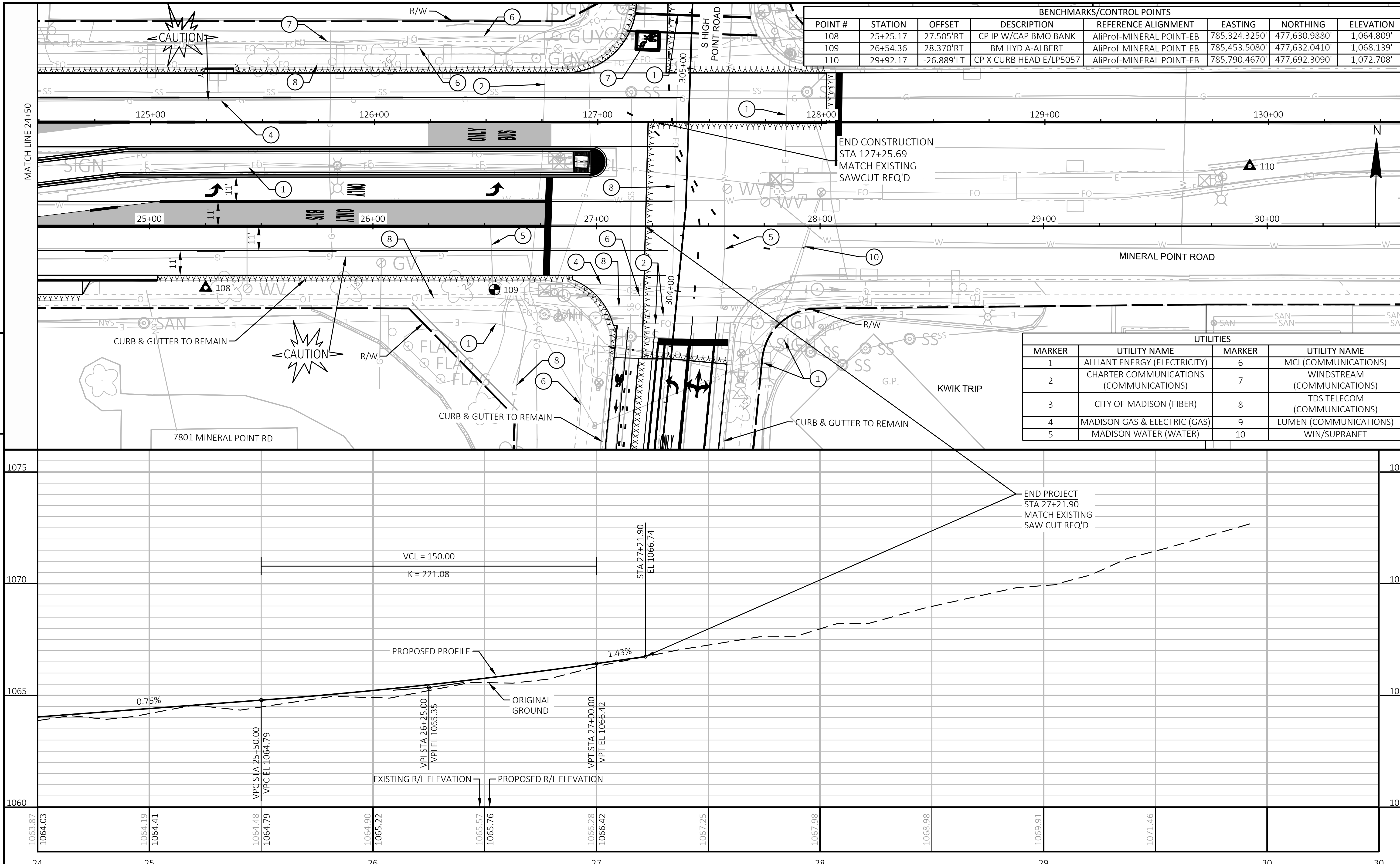
FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\050101-PP - MPR EB.DWG
LAYOUT NAME - 050101-pp

PLOT DATE : 9/24/2026 12:40 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: MINERAL POINT ROAD-EASTBOUND	SHEET 182	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\050101-PP - MPR EB.DWG
LAYOUT NAME - 050102-pp
PLOT DATE : 9/24/2026 12:40 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCHMARKS/CONTROL POINTS

POINT #	STATION	OFFSET	DESCRIPTION	REFERENCE ALIGNMENT	EASTING	NORTHING	ELEVATION
108	25+25.17	27.505'RT	CP IP W/CAP BMO BANK	AliProf-MINERAL POINT-EB	785,324.3250'	477,630.9880'	1,064.809'
109	26+54.36	28.370'RT	BM HYD A-ALBERT	AliProf-MINERAL POINT-EB	785,453.5080'	477,632.0410'	1,068.139'
110	29+92.17	-26.889'LT	CP X CURB HEAD E/LP5057	AliProf-MINERAL POINT-EB	785,790.4670'	477,692.3090'	1,072.708'

UTILITIES

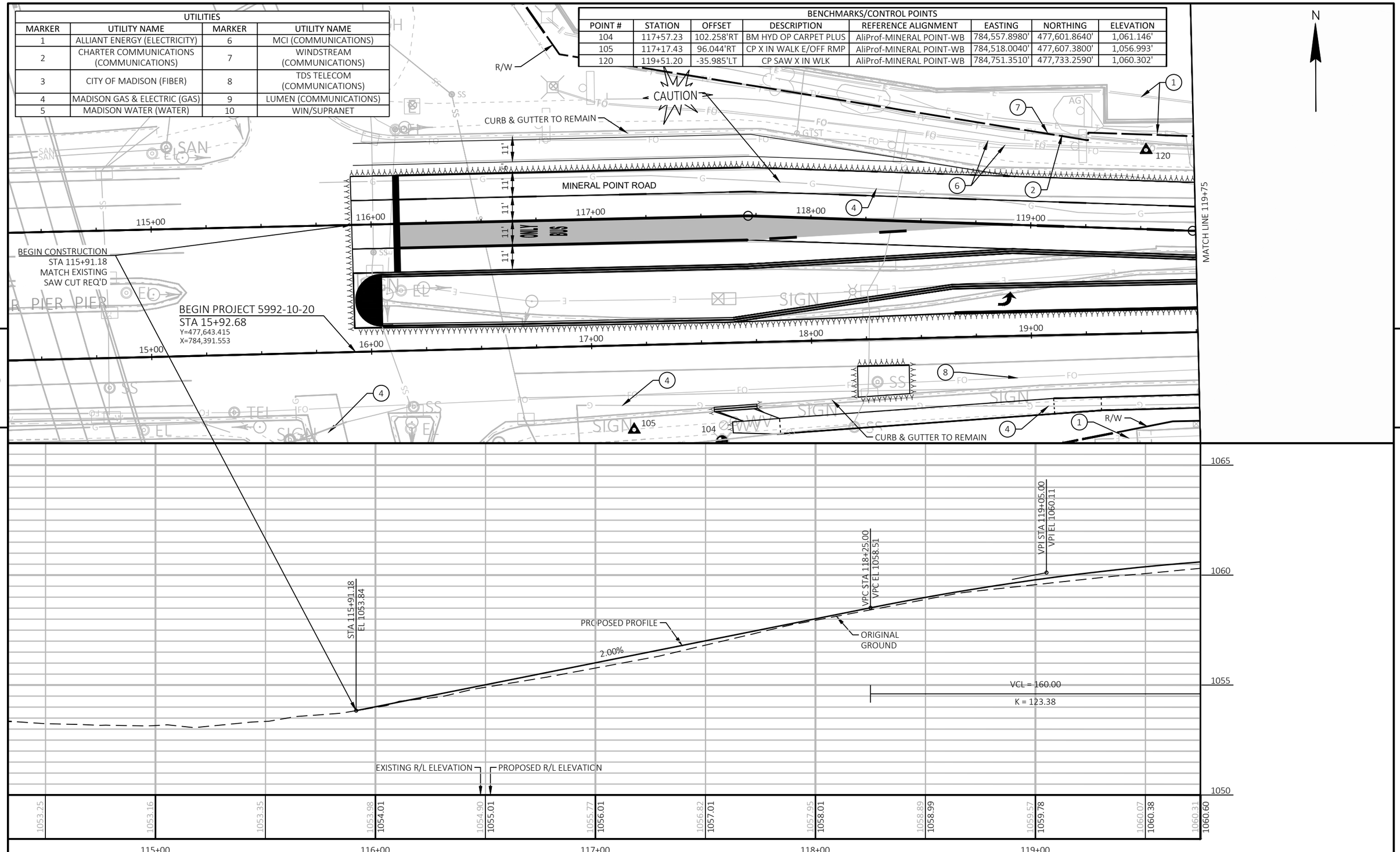
MARKER	UTILITY NAME	MARKER	UTILITY NAME
1	ALLIANT ENERGY (ELECTRICITY)	6	MCI (COMMUNICATIONS)
2	CHARTER COMMUNICATIONS (COMMUNICATIONS)	7	WINDSTREAM (COMMUNICATIONS)
3	CITY OF MADISON (FIBER)	8	TDS TELECOM (COMMUNICATIONS)
4	MADISON GAS & ELECTRIC (GAS)	9	LUMEN (COMMUNICATIONS)
5	MADISON WATER (WATER)	10	WIN/SUPRANET

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: MINERAL POINT ROAD-EASTBOUND	SHEET 183	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\050101-PP - MPR EB.DWG
LAYOUT NAME - 050103-pp
PLOT DATE : 9/24/2026 12:40 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

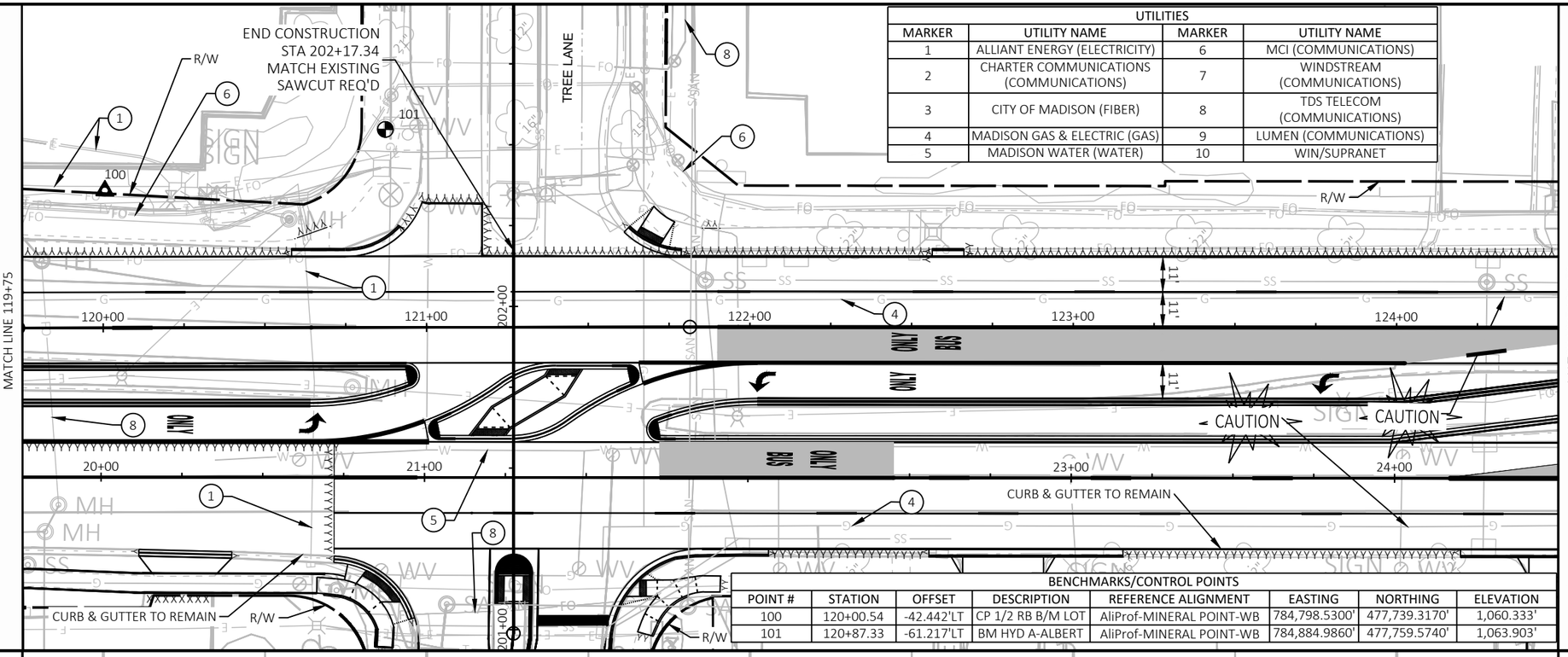
UTILITIES			
MARKER	UTILITY NAME	MARKER	UTILITY NAME
1	ALLIANT ENERGY (ELECTRICITY)	6	MCI (COMMUNICATIONS)
2	CHARTER COMMUNICATIONS (COMMUNICATIONS)	7	WINDSTREAM (COMMUNICATIONS)
3	CITY OF MADISON (FIBER)	8	TDS TELECOM (COMMUNICATIONS)
4	MADISON GAS & ELECTRIC (GAS)	9	LUMEN (COMMUNICATIONS)
5	MADISON WATER (WATER)	10	WIN/SUPRANET

BENCHMARKS/CONTROL POINTS							
POINT #	STATION	OFFSET	DESCRIPTION	REFERENCE ALIGNMENT	EASTING	NORTHING	ELEVATION
104	117+57.23	102.258'RT	BM HYD OP CARPET PLUS	AliProf-MINERAL POINT-WB	784,557.8980'	477,601.8640'	1,061.146'
105	117+17.43	96.044'RT	CP X IN WALK E/OFF RMP	AliProf-MINERAL POINT-WB	784,518.0040'	477,607.3800'	1,056.993'
120	119+51.20	-35.985'LT	CP SAW X IN WLK	AliProf-MINERAL POINT-WB	784,751.3510'	477,733.2590'	1,060.302'



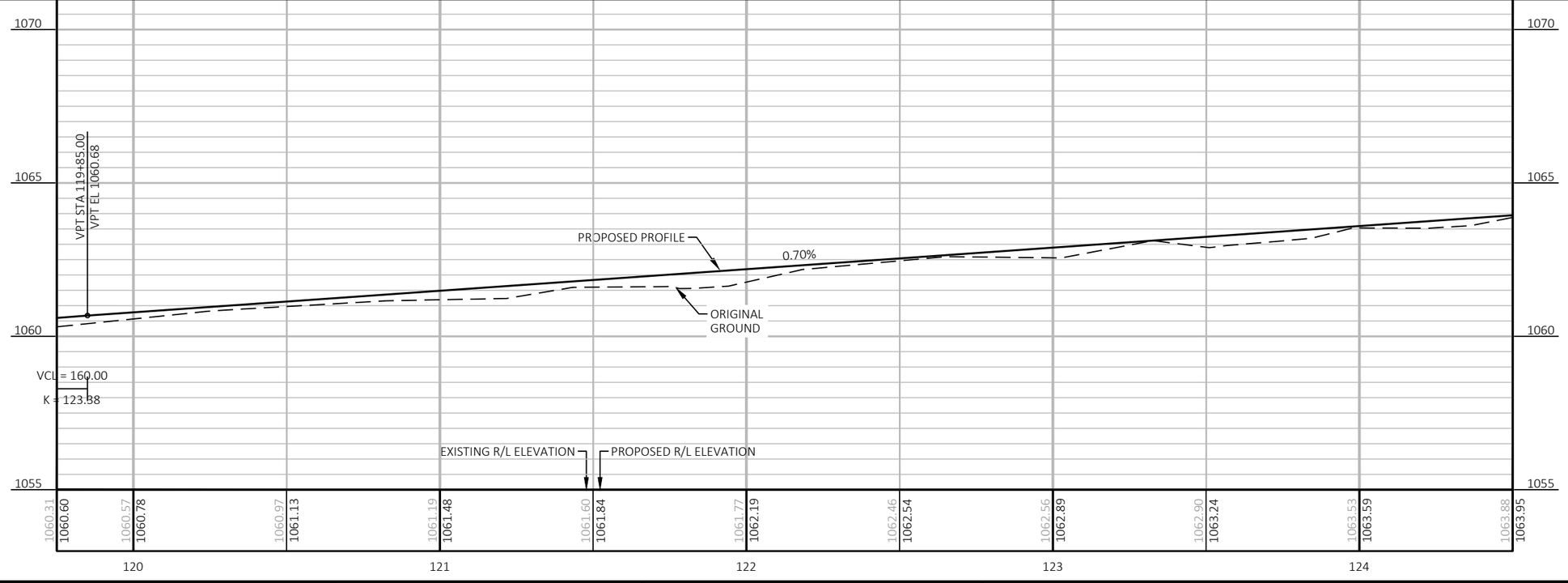
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: MINERAL POINT ROAD-WESTBOUND	SHEET 184	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\050104-PP - MPR WB.DWG
LAYOUT NAME - 050104-pp
PLOT DATE : 9/24/2026 12:40 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



UTILITIES			
MARKER	UTILITY NAME	MARKER	UTILITY NAME
1	ALLIANT ENERGY (ELECTRICITY)	6	MCI (COMMUNICATIONS)
2	CHARTER COMMUNICATIONS (COMMUNICATIONS)	7	WINDSTREAM (COMMUNICATIONS)
3	CITY OF MADISON (FIBER)	8	TDS TELECOM (COMMUNICATIONS)
4	MADISON GAS & ELECTRIC (GAS)	9	LUMEN (COMMUNICATIONS)
5	MADISON WATER (WATER)	10	WIN/SUPRANET

BENCHMARKS/CONTROL POINTS							
POINT #	STATION	OFFSET	DESCRIPTION	REFERENCE ALIGNMENT	EASTING	NORTHING	ELEVATION
100	120+00.54	-42.442'LT	CP 1/2 RB B/M LOT	AliProf-MINERAL POINT-WB	784,798.5300'	477,739.3170'	1,060.333'
101	120+87.33	-61.217'LT	BM HYD A-ALBERT	AliProf-MINERAL POINT-WB	784,884.9860'	477,759.5740'	1,063.903'



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: MINERAL POINT ROAD-WESTBOUND	SHEET 185 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\050104-PP - MPR WB.DWG
LAYOUT NAME - 050105-pp
PLOT DATE : 9/24/2026 12:40 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCHMARKS/CONTROL POINTS							
POINT #	STATION	OFFSET	DESCRIPTION	REFERENCE ALIGNMENT	EASTING	NORTHING	ELEVATION
108	125+24.56	74.123'RT	CP IP W/CAP BMO BANK	AliProf-MINERAL POINT-WB	785,324.3250'	477,630.9880'	1,064.809'
109	126+53.75	75.000'RT	BM HYD A-ALBERT	AliProf-MINERAL POINT-WB	785,453.5080'	477,632.0410'	1,068.139'
110	129+91.57	19.774'RT	CP X CURB HEAD E/LP5057	AliProf-MINERAL POINT-WB	785,790.4670'	477,692.3090'	1,072.708'

UTILITIES			
MARKER	UTILITY NAME	MARKER	UTILITY NAME
1	ALLIANT ENERGY (ELECTRICITY)	6	MCI (COMMUNICATIONS)
2	CHARTER COMMUNICATIONS (COMMUNICATIONS)	7	WINDSTREAM (COMMUNICATIONS)
3	CITY OF MADISON (FIBER)	8	TDS TELECOM (COMMUNICATIONS)
4	MADISON GAS & ELECTRIC (GAS)	9	LUMEN (COMMUNICATIONS)
5	MADISON WATER (WATER)	10	WIN/SUPRANET

MATCH LINE 124+50

7722 MINERAL POINT RD

S HIGH POINT ROAD

MINERAL POINT ROAD

R/W

CAUTION

CURB & GUTTER TO REMAIN

END CONSTRUCTION
STA 128+02.26
MATCH EXISTING
SAW CUT REQ'D

END PROJECT
STA 27+21.90
MATCH EXISTING
SAW CUT REQ'D

BUS ONLY

125+00 126+00 127+00 128+00 129+00 130+00

27+00 28+00 29+00 30+00

305+00 304+00

108 109 110

VCL = 160.00

K = 215.52

STA 127+22.49
EL 1066.77

PROPOSED PROFILE

1.45%

0.70%

ORIGINAL GROUND

VPC STA 125+20.00
VPC EL 1064.44

VPI STA 126+00.00
VPI EL 1065.00

VPT STA 126+80.00
VPT EL 1066.16

EXISTING R/L ELEVATION

PROPOSED R/L ELEVATION

1075 1070 1065 1060

1063.88 1063.95 1064.35 1064.30 1064.62 1064.67 1064.87 1065.15 1065.69 1065.74 1066.45 1066.45 1067.17 1068.08 1069.13 1070.21 1071.40

125 126 127 128 129 130

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: MINERAL POINT ROAD-WESTBOUND	SHEET 186 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\050104-PP - MPR WB.DWG
LAYOUT NAME - 050106-pp

PLOT DATE : 9/24/2026 12:40 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCHMARKS/CONTROL POINTS							
POINT #	STATION	OFFSET	DESCRIPTION	REFERENCE ALIGNMENT	EASTING	NORTHING	ELEVATION
109	303+92.67	-81.593'LT	BM HYD A-ALBERT	AliProf-HIGH POINT-NB	785,453.5080'	477,632.0410'	1,068.139'

UTILITIES			
MARKER	UTILITY NAME	MARKER	UTILITY NAME
1	ALLIANT ENERGY (ELECTRICITY)	6	MCI (COMMUNICATIONS)
2	CHARTER COMMUNICATIONS (COMMUNICATIONS)	7	WINDSTREAM (COMMUNICATIONS)
3	CITY OF MADISON (FIBER)	8	TDS TELECOM (COMMUNICATIONS)
4	MADISON GAS & ELECTRIC (GAS)	9	LUMEN (COMMUNICATIONS)
5	MADISON WATER (WATER)	10	WIN/SUPRANET

S HIGH POINT ROAD

301+00 302+00 303+00 304+00 305+00 306+00

126+00 127+00 128+00 129+00

26+00 27+00 28+00 29+00

CURB & GUTTER TO REMAIN

CAUTION

R/W

BEGIN CONSTRUCTION
STA 301+71.62
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 303+95.77
MATCH EXISTING
SAW CUT REQ'D

ONLY BUS

7717 MINERAL POINT RD

7722 MINERAL POINT RD

409 S HIGH POINT RD

KWIK TRIP

MINERAL POINT ROAD

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: S HIGH POINT ROAD	SHEET 187 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\050107-PP - SIDEROADS.DWG
LAYOUT NAME - 050107-pp

PLOT DATE : 9/24/2026 12:40 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

Standard Detail Drawing List

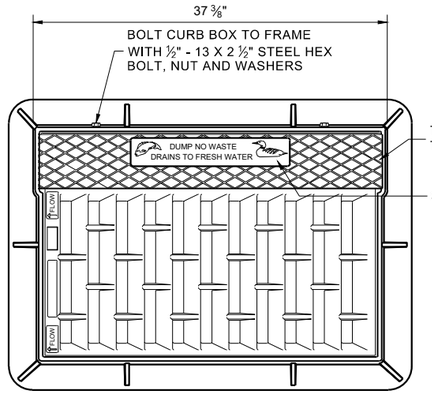
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S AND Z
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L AND M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-24A	CONCRETE CURB AND GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-23A	CURB RAMPS TYPES 1 AND 1-A
08D05-23B	CURB RAMPS TYPES 2 AND 3
08D05-23C	CURB RAMPS TYPES 4A AND 4A1
08D05-23D	CURB RAMPS TYPES 4B AND 4B1
08D05-23E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-23F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD
08D05-23G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPES A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A11-01	DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y
09A12-01	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
09B02-10	CONDUIT
09B04-13	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09F09-05	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	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
13C19-03	HMA LONGITUDINAL JOINTS
14A01-03	TREE PRESERVATION DETAILS
15C02-10A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-10B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-10C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-16A	PAVEMENT MARKING SYMBOLS
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)
15C11-11A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15D12-17A	TRAFFIC CONTROL, LANE CLOSURE
15D20-12A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-12B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-12C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE
15D22-09	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-07A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE
15D23-07B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE
15D30-12A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

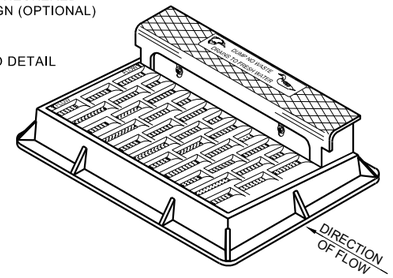
Standard Detail Drawing List

15D30-12B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D40-08A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D50-05A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-05B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

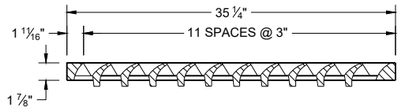
6

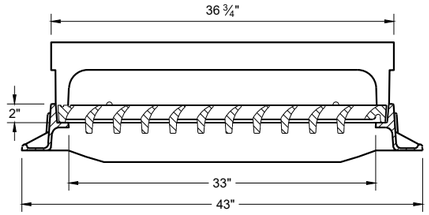


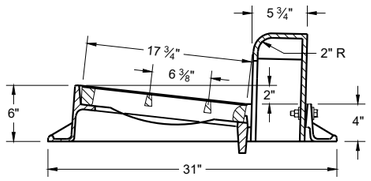
NOTE: EITHER CASTING IS ACCEPTABLE

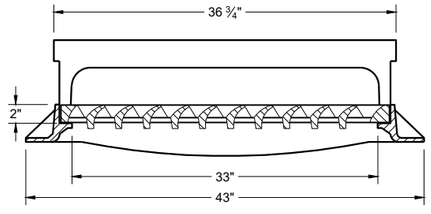


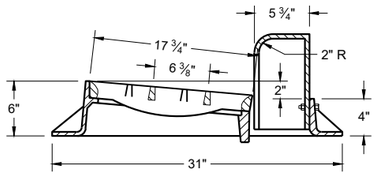
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







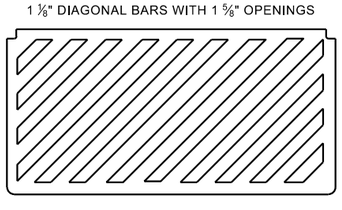




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

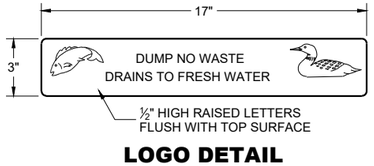
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



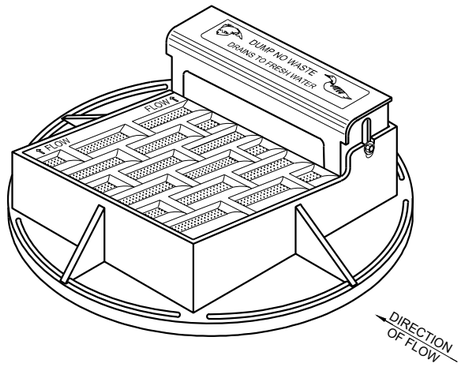
LOGO DETAIL

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.

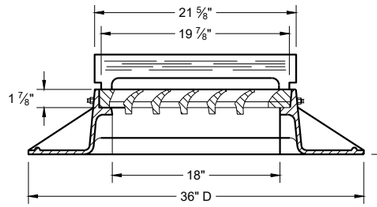
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

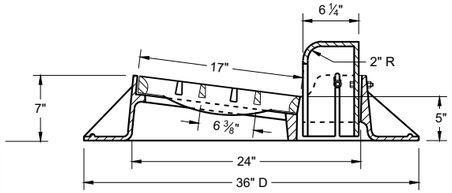
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

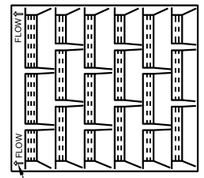


NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

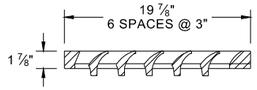
NOTE: EITHER CASTING IS ACCEPTABLE



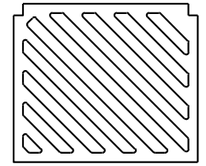




DIRECTION OF FLOW ARROWS



1" DIAGONAL BARS WITH 1 ½" OPENINGS

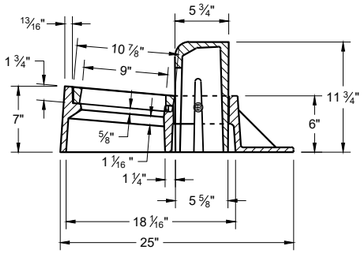


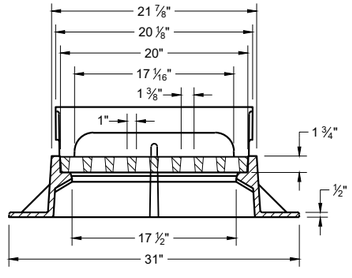
SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 ¾" X 17" X 1 ⅞")

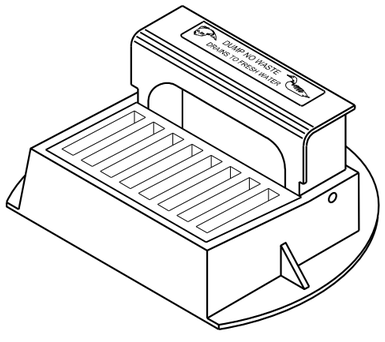
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

TYPE "A"





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.

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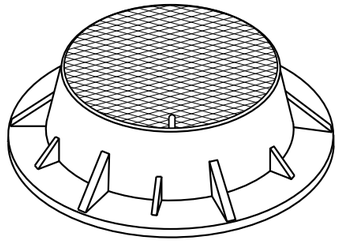
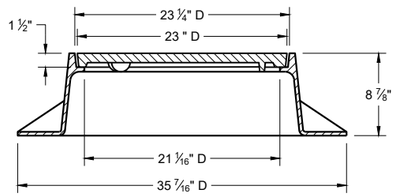
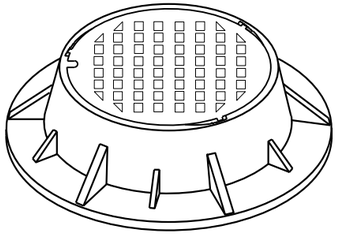
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

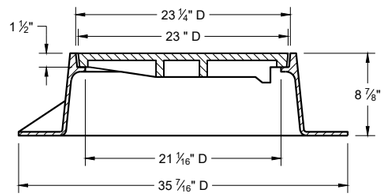




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

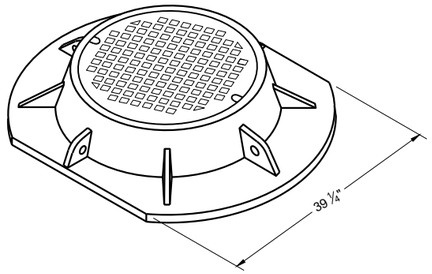


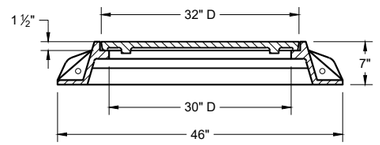


TYPE "J" SPECIAL

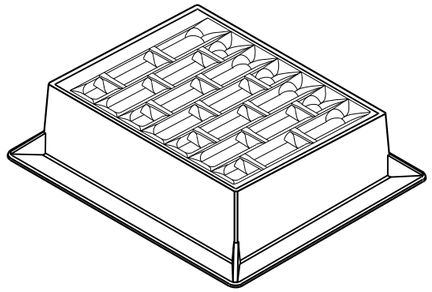
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

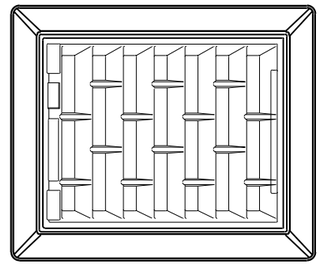
NOTE: EITHER CASTING IS ACCEPTABLE

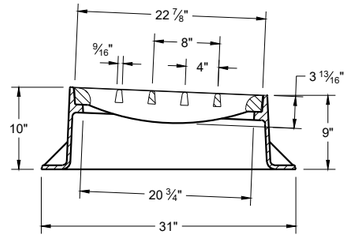


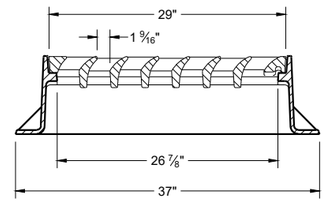


TYPE "K"

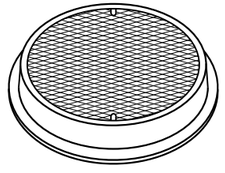


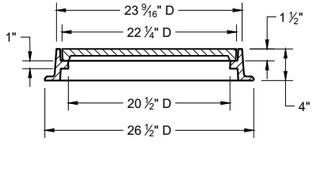




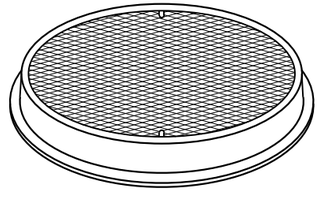


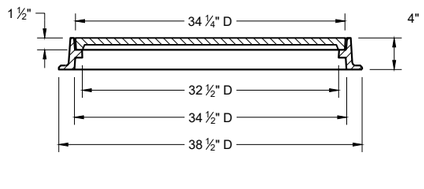
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

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

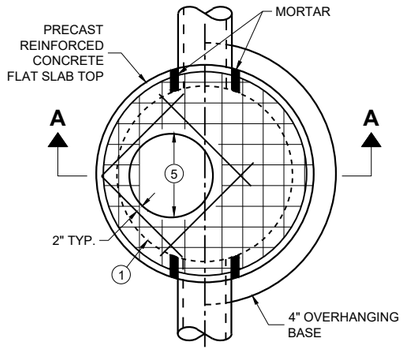
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

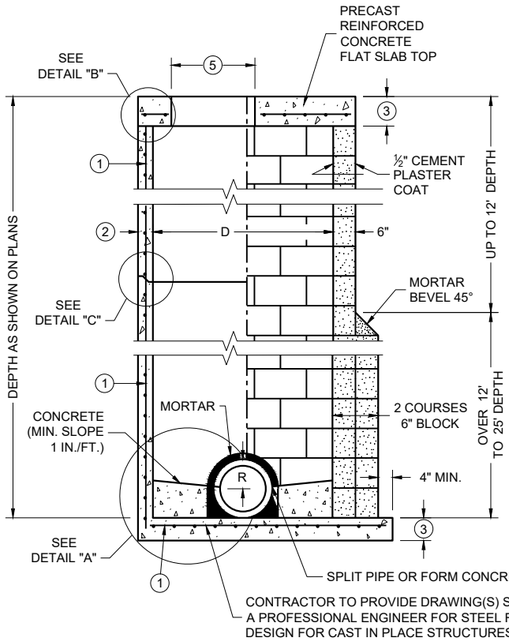
6

SDD 08A05-22e



PLAN VIEW

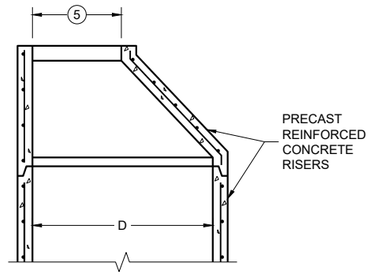
CIRCULAR OPENING



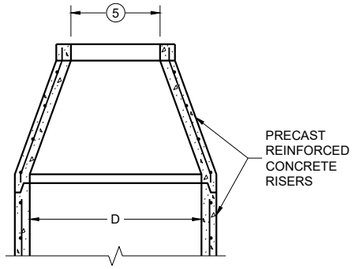
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

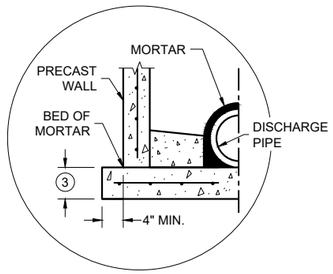
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



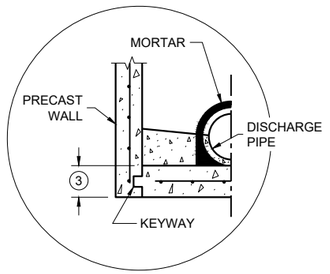
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

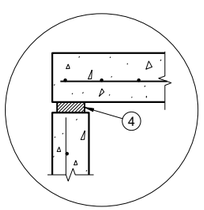


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

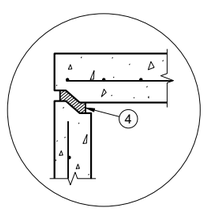


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

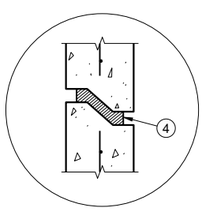
DETAIL "A"



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".

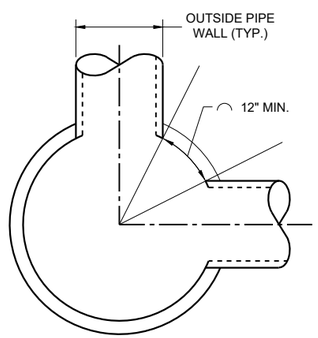
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(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
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 08B09-04

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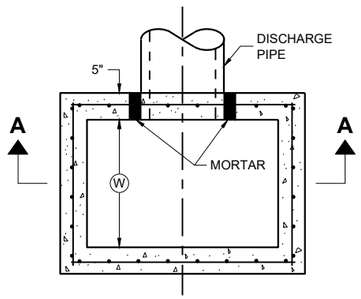
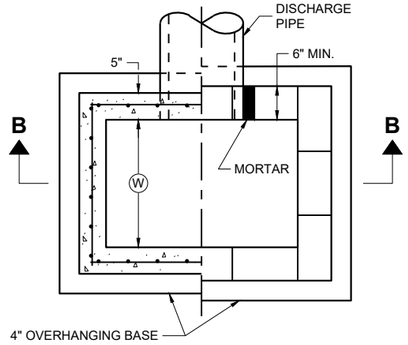
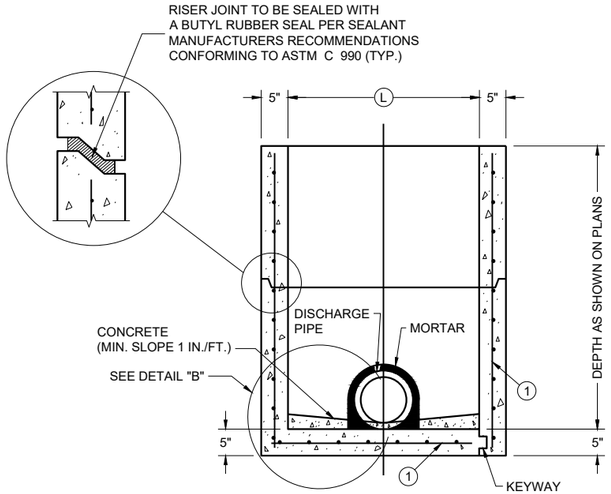
SDD 08B09-04



PLAN VIEW



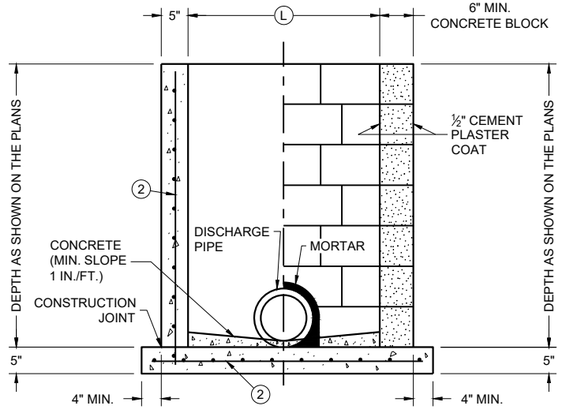
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

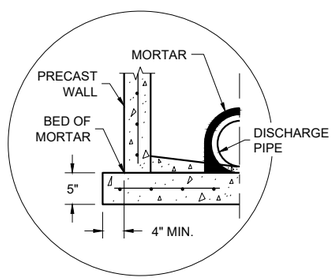
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

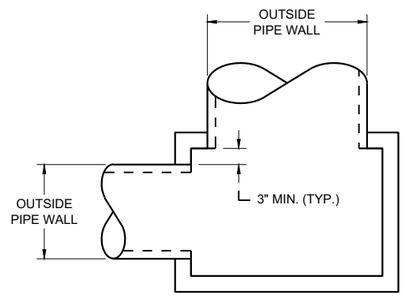
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

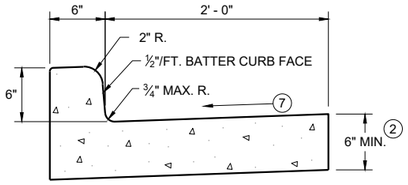
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

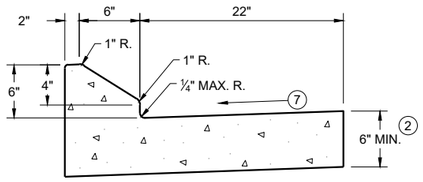
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

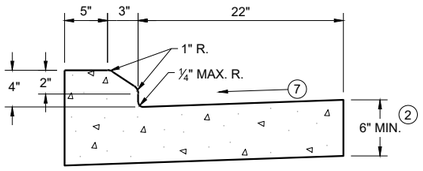
6
SDD 08C07-03



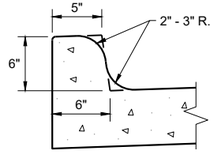
TYPES A (1) & D



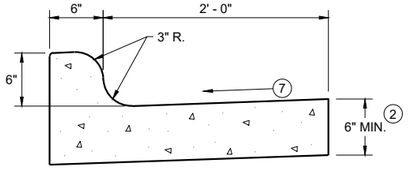
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

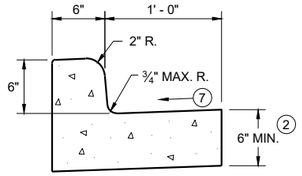


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



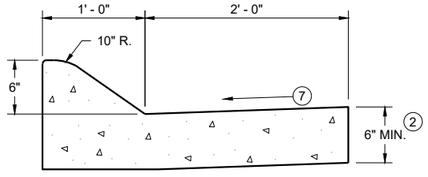
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

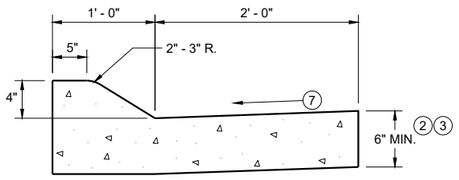


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

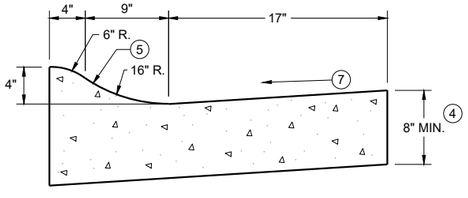


6" SLOPED CURB TYPES A (1) & D



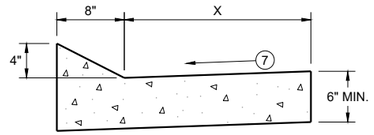
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



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

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

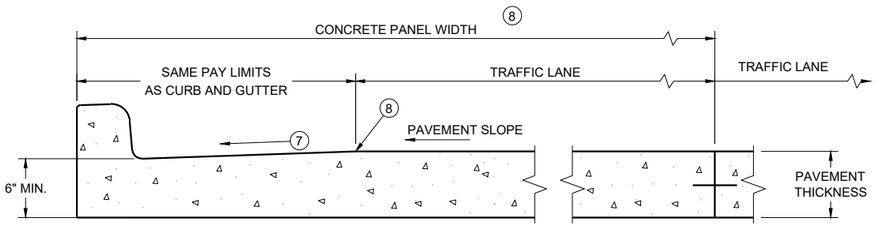


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

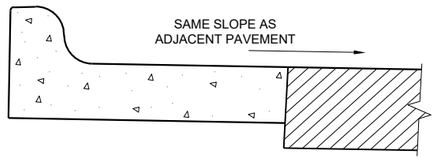
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

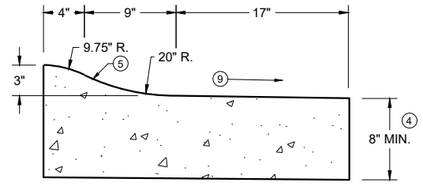
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

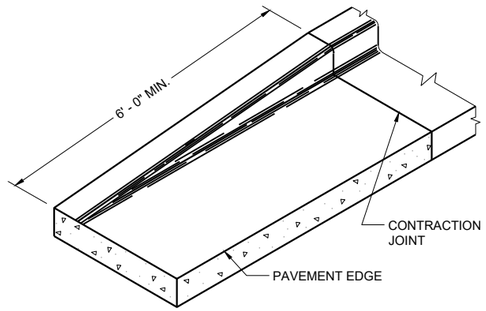
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



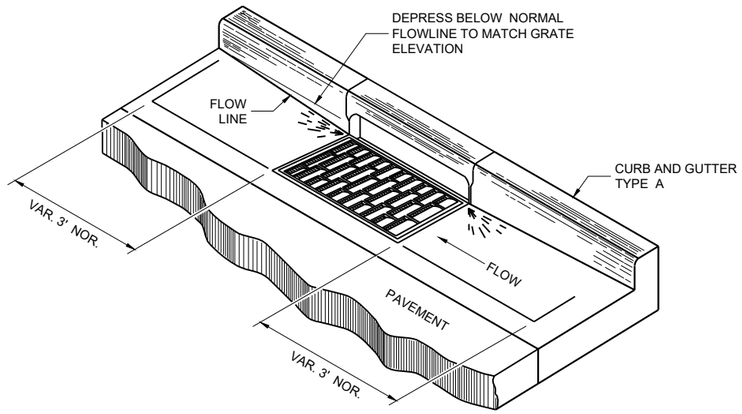
3" SLOPED CURB TYPES R (1) & T

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.

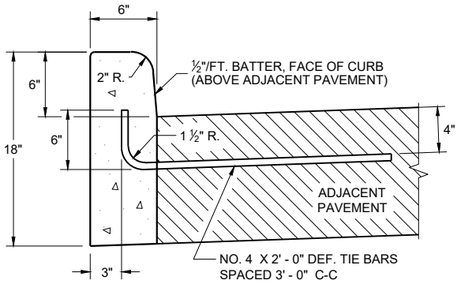
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

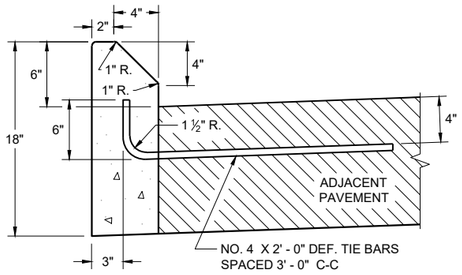
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

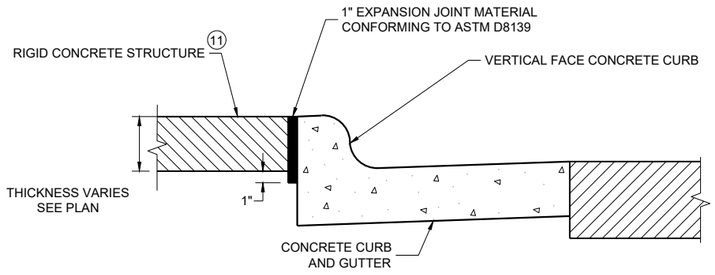


TYPES A (1) & D

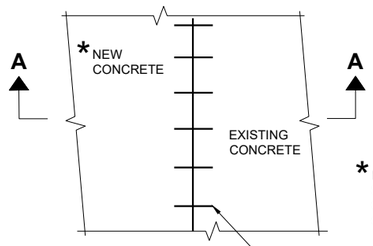


TYPES G (1) & J

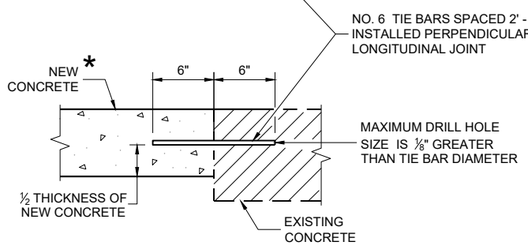
CONCRETE CURB



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

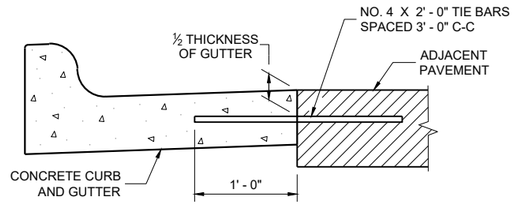


PLAN VIEW

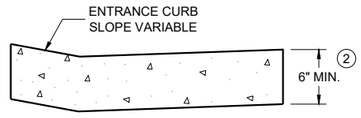


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

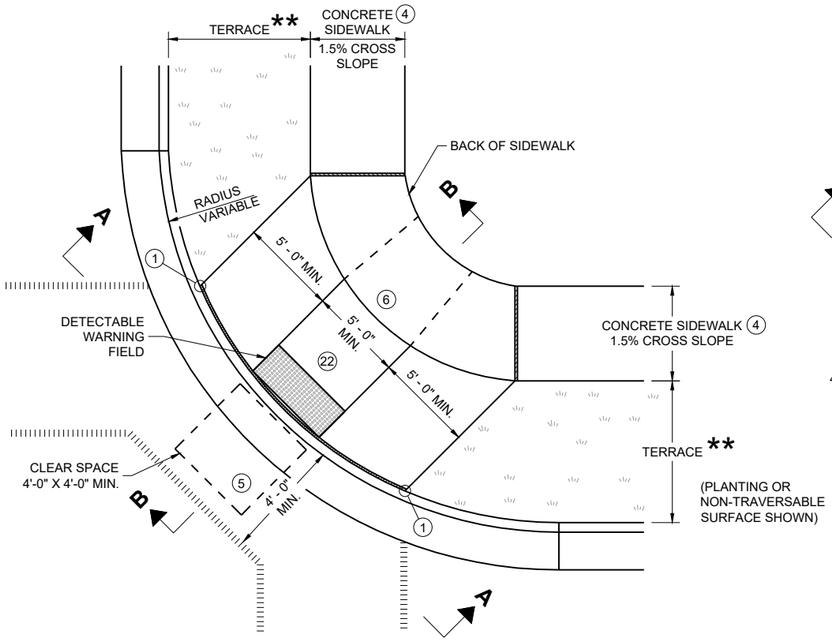
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

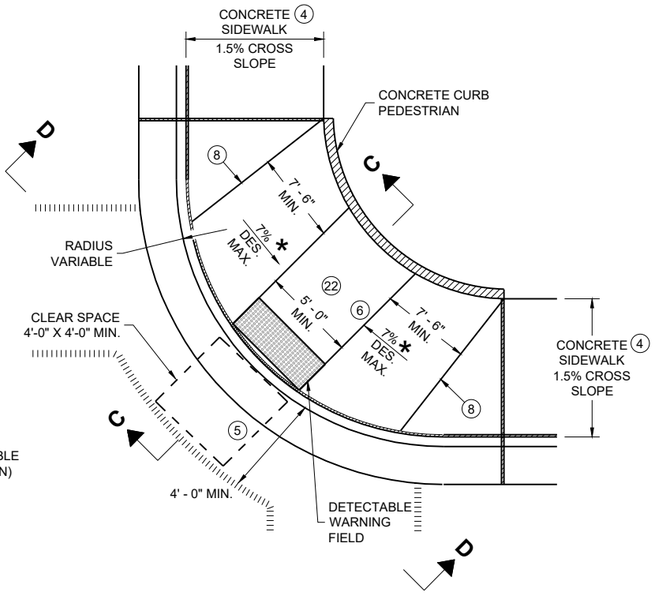
SDD 08D01-24b



PLAN VIEW

CURB RAMP TYPE 1

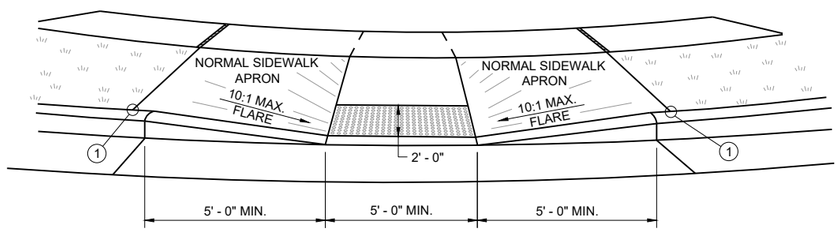
(CENTER OF CORNER RADIUS)



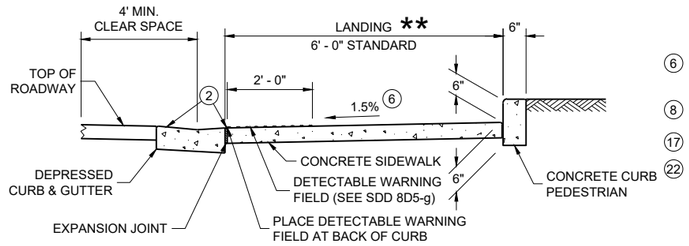
PLAN VIEW

CURB RAMP TYPE 1 - A

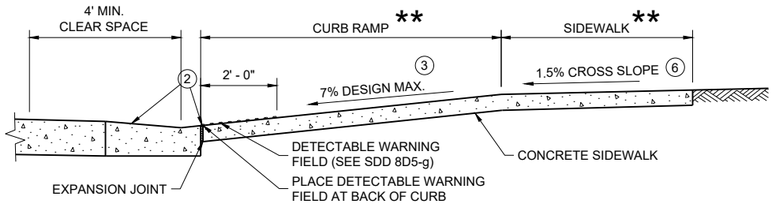
(NO TERRACE)



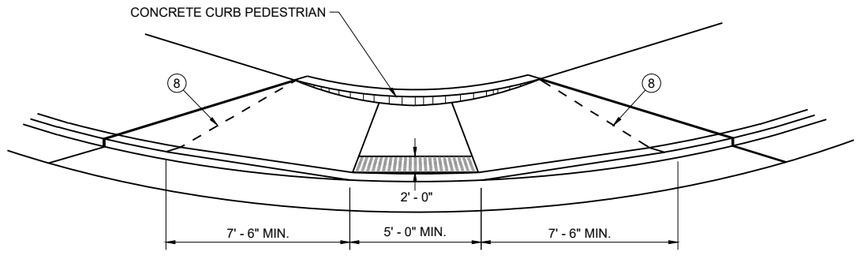
VIEW A - A FOR TYPE 1



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.

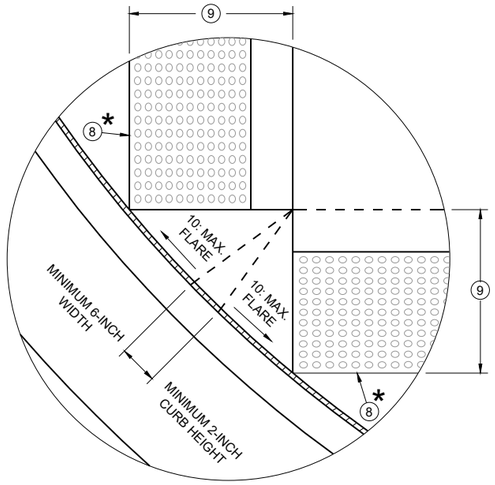
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

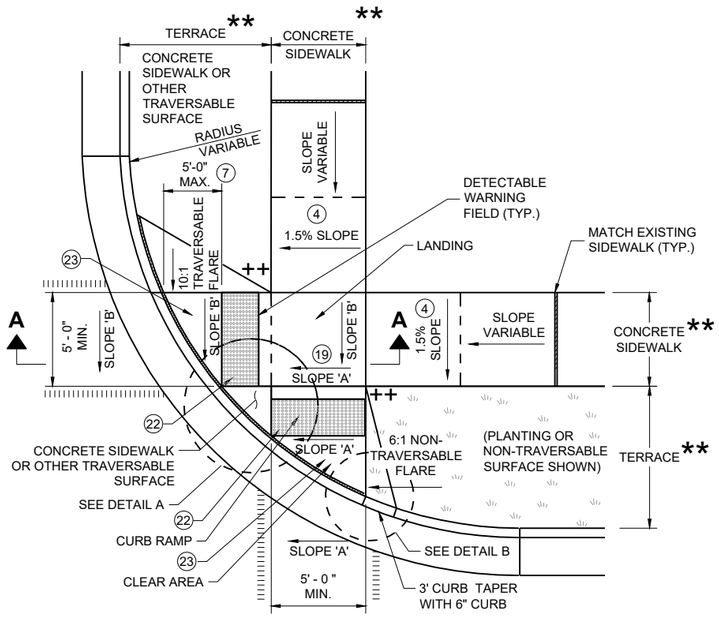
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS

CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



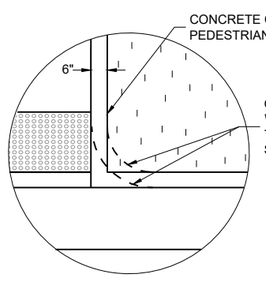
DETAIL A



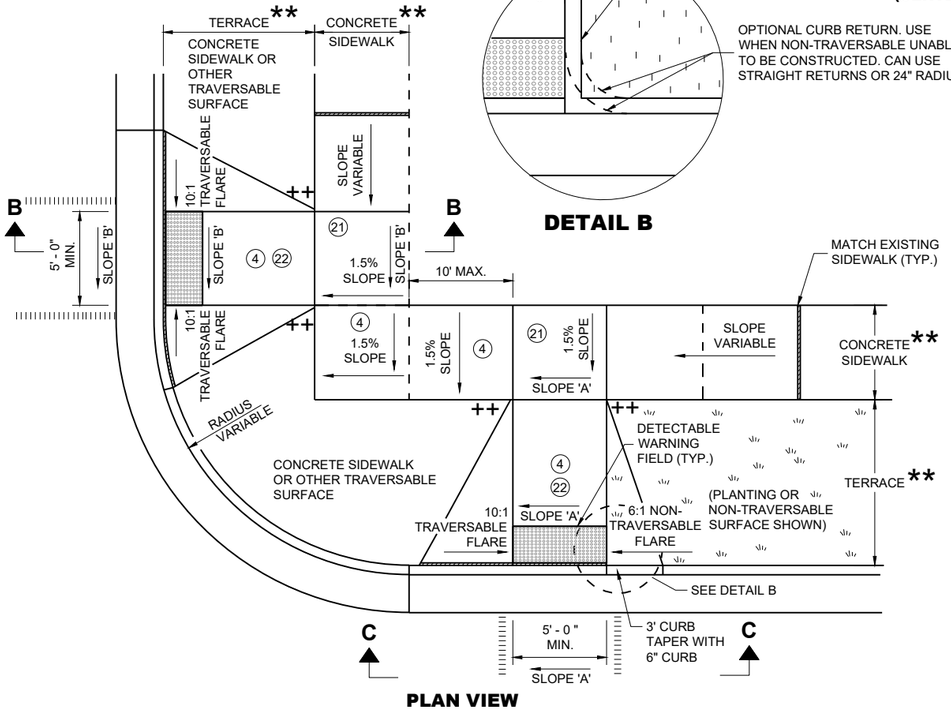
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

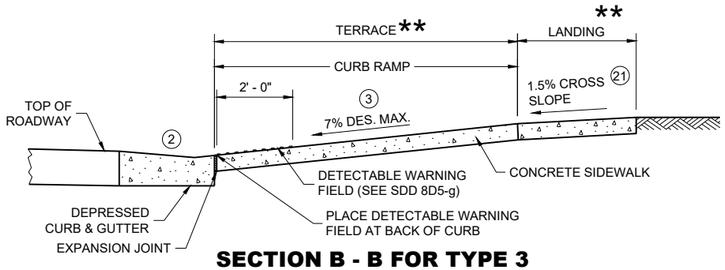
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

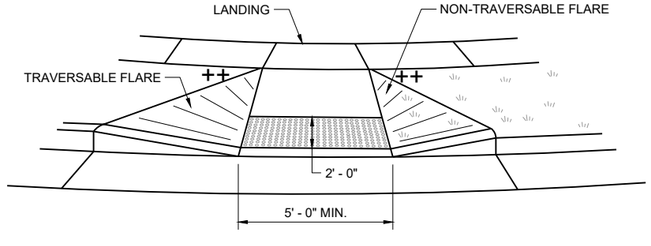
(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

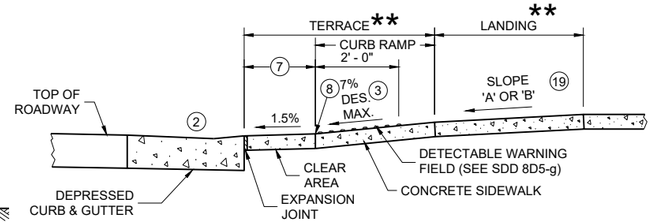
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

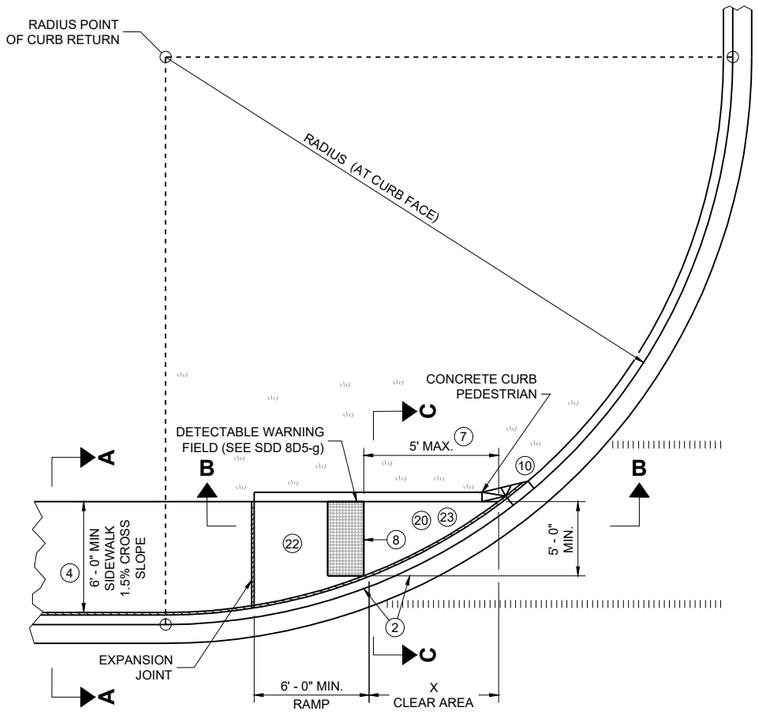
LEGEND

▨	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
▥	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

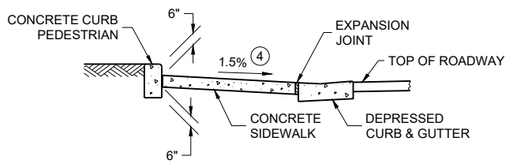
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-23b

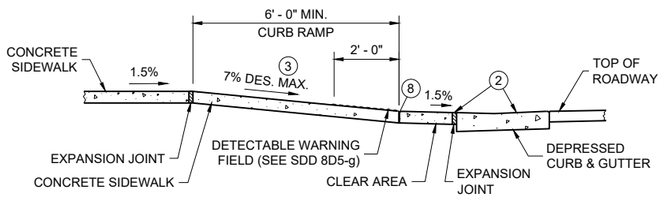


PLAN VIEW

CURB RAMP TYPE 4A



SECTION C - C FOR TYPE 4A



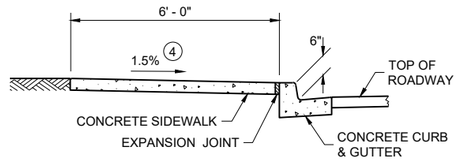
SECTION B - B FOR TYPE 4A AND TYPE 4A1

LEGEND

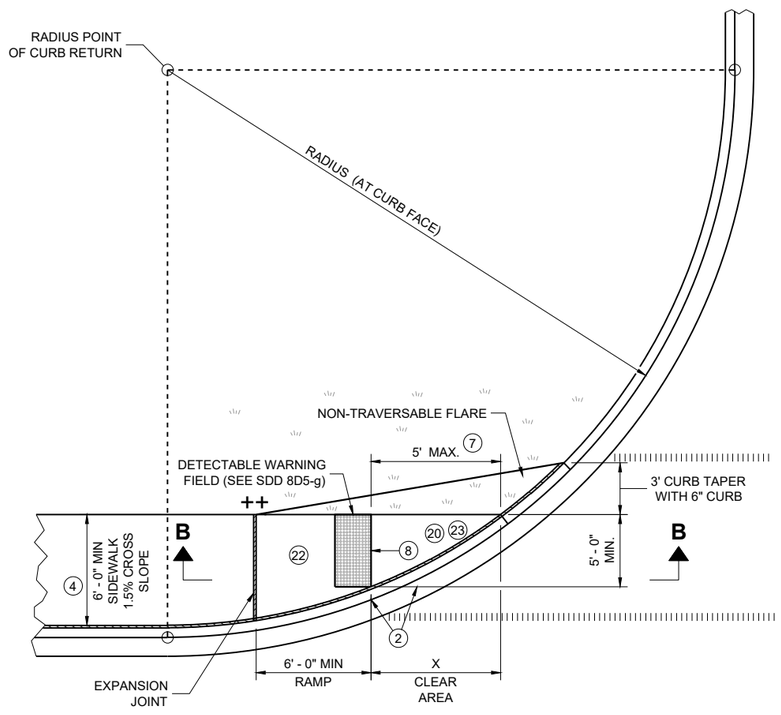
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

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.

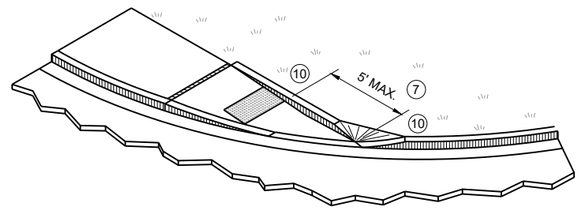
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

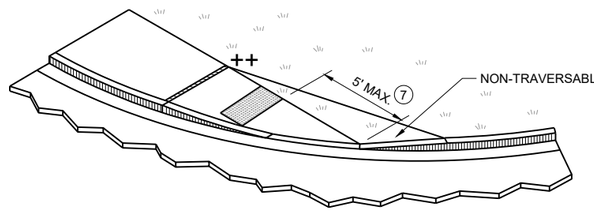
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(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

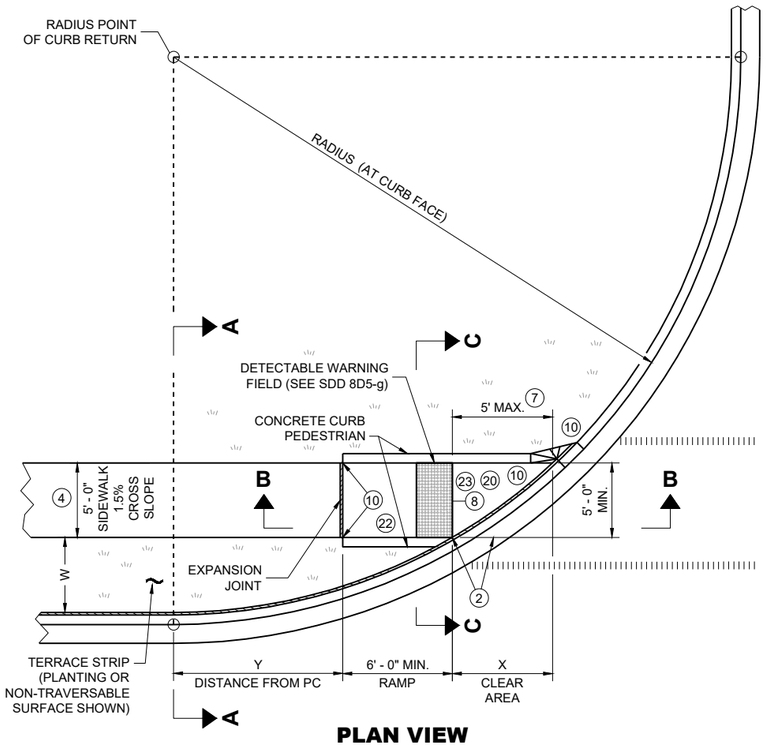


ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

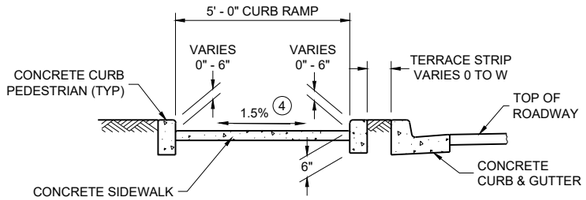
SDD 08D05-23c



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.

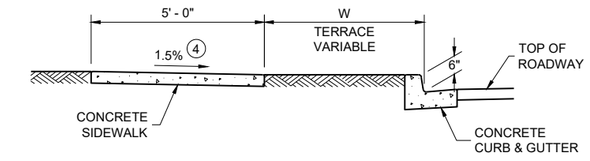
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

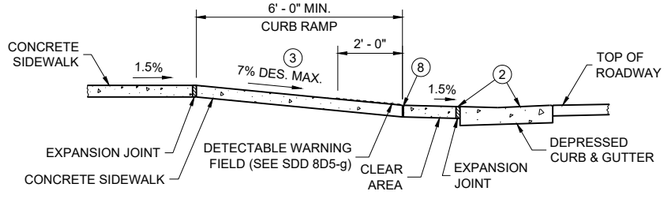
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(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.

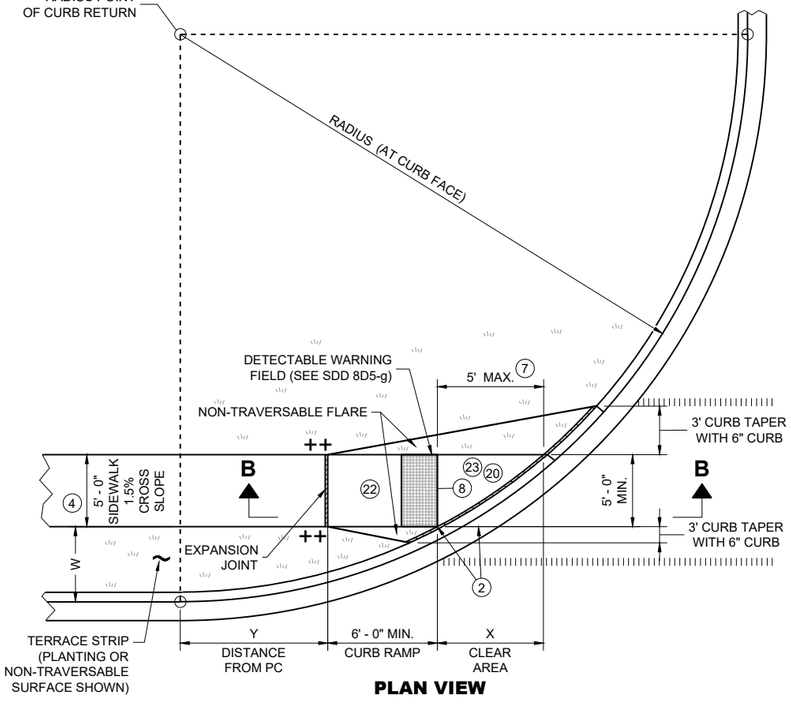
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



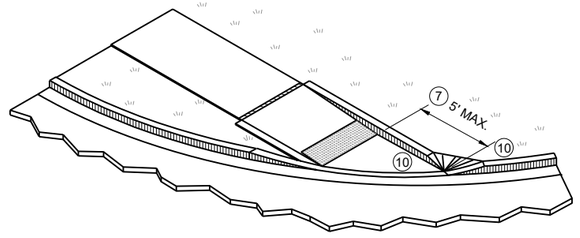
SECTION A - A FOR TYPE 4B



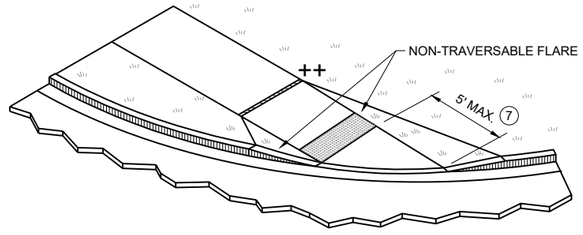
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



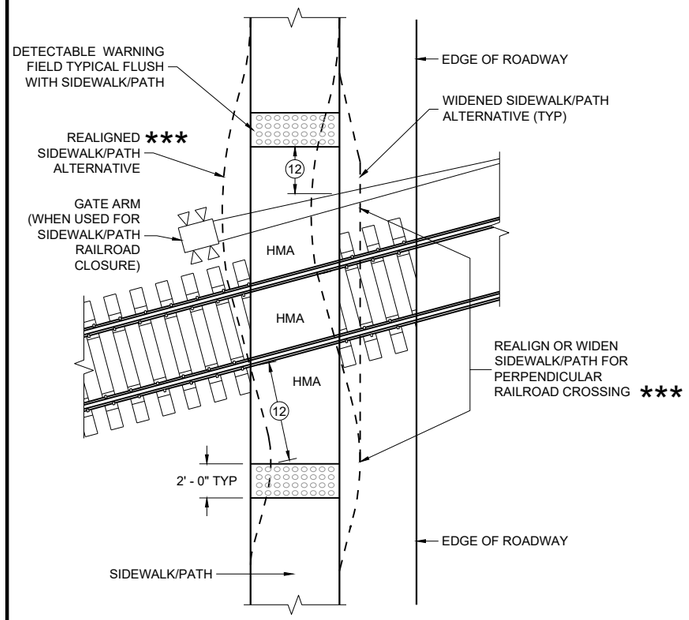
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

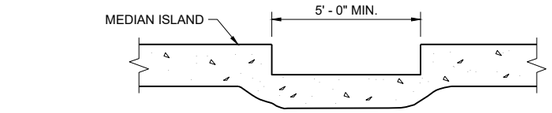
6

SDD 08D05-23d

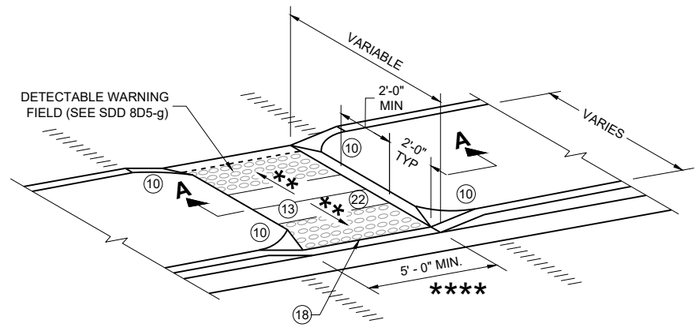


CURB RAMP TYPE 8

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.

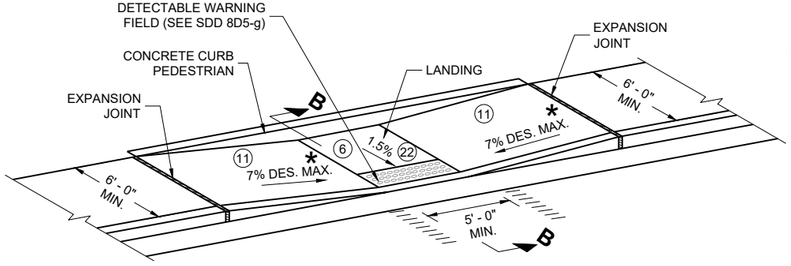
(12) THE DOWNSTREAM EDGE OF THE DETECTABLE WARNING SHOULD BE LOCATED AT LEAST 2 FEET UPSTREAM FROM THE AUTOMATIC GATE, COUNTERWEIGHT, FLASHING-LIGHT SIGNALS, OR CROSSBUCK ASSEMBLY SPECIFIC TO THE PATHWAY OR SIDEWALK (IF ANY ARE PRESENT) AND AT LEAST 12 FEET FROM THE NEAREST RAIL.

(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.

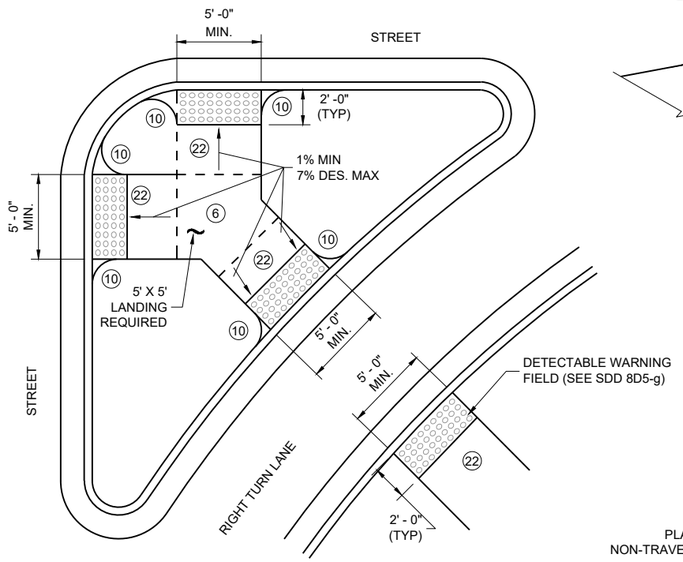
(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE 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

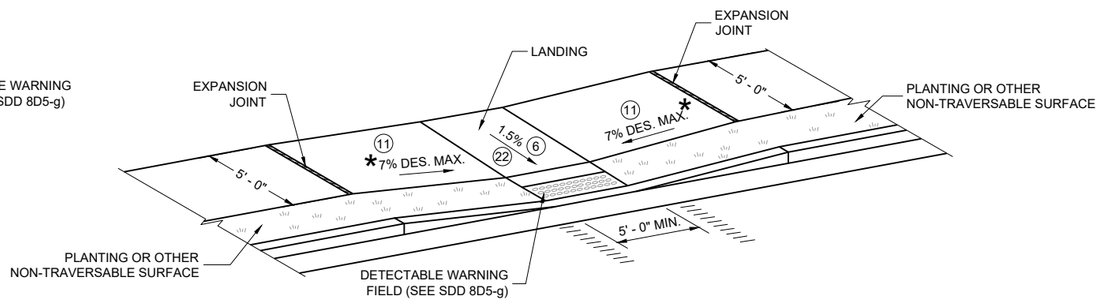
FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

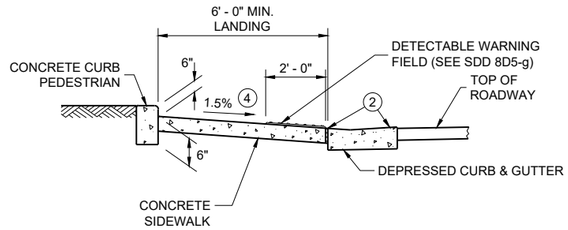


CURB RAMP TYPE 7B

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

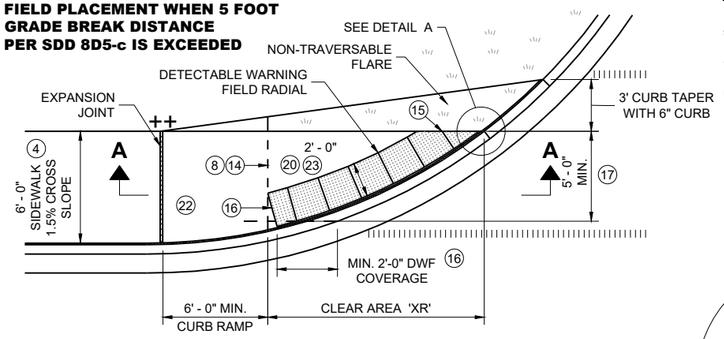


SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

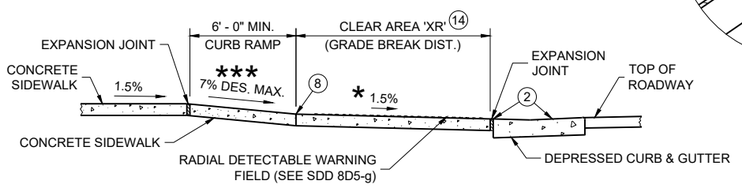
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

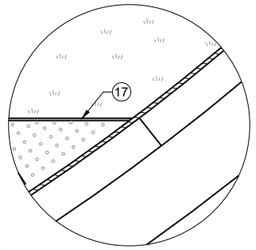
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

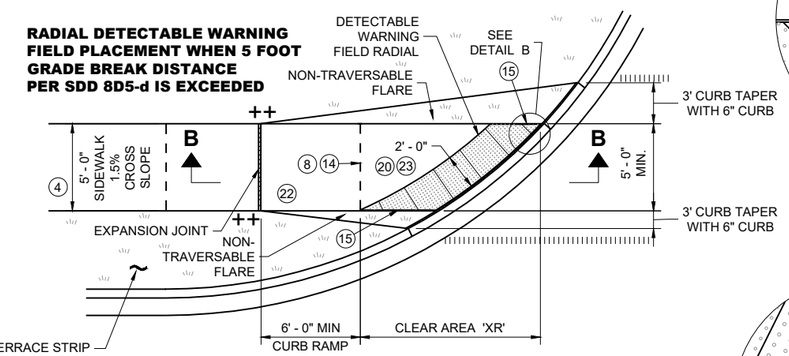
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

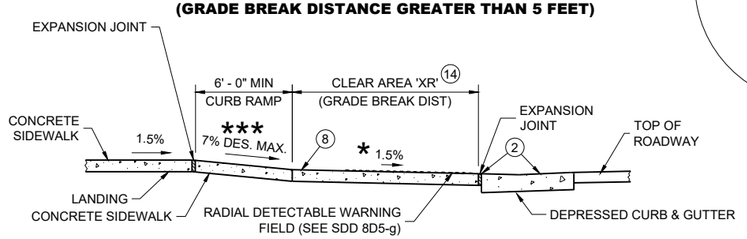
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



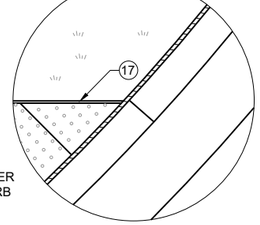
PLAN VIEW

CURB RAMP TYPE 4B1

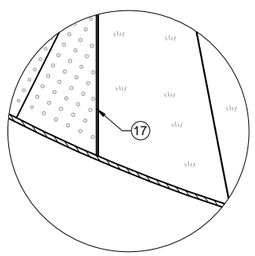
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

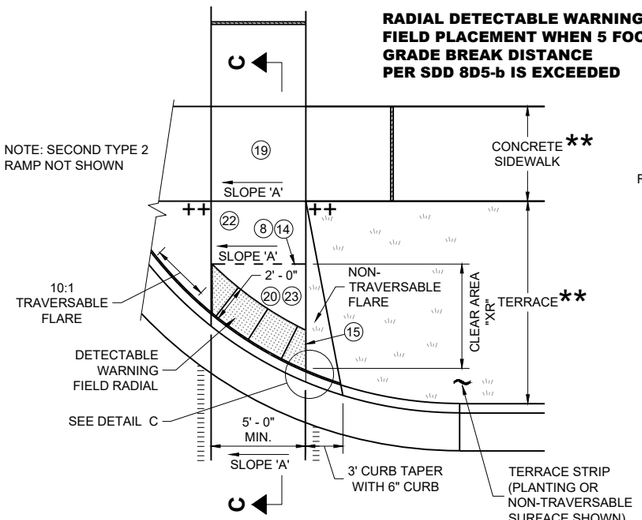


DETAIL B



DETAIL C

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

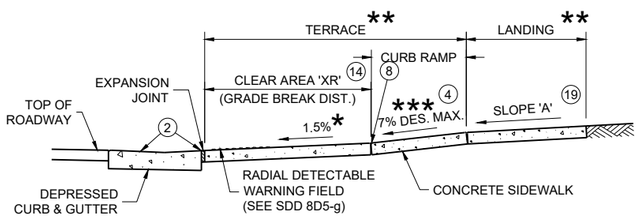


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



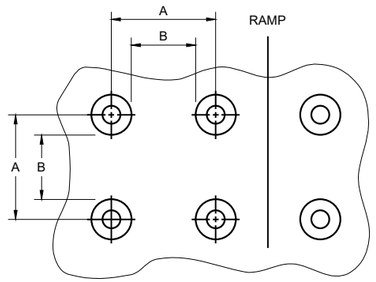
SECTION C - C FOR TYPE 2

CURB RAMPS RADIAL DETECTABLE WARNING

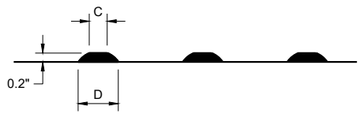
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

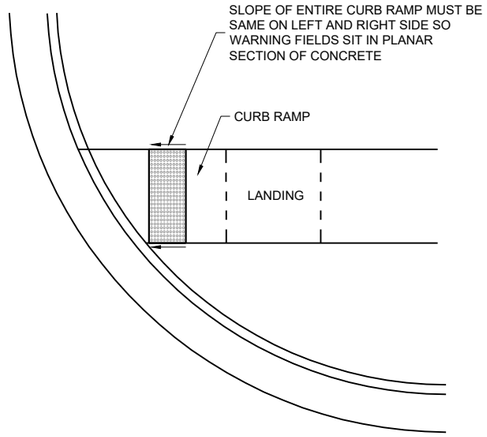
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

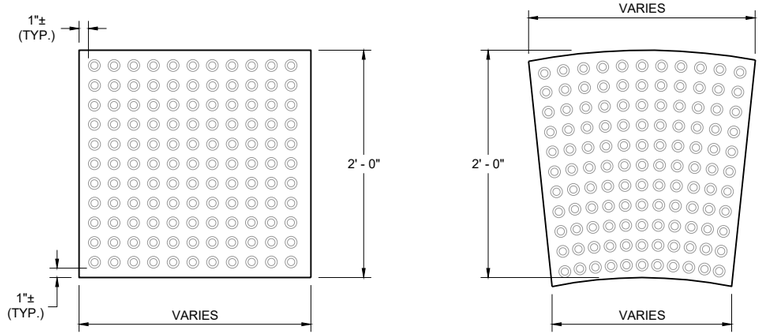
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. 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.

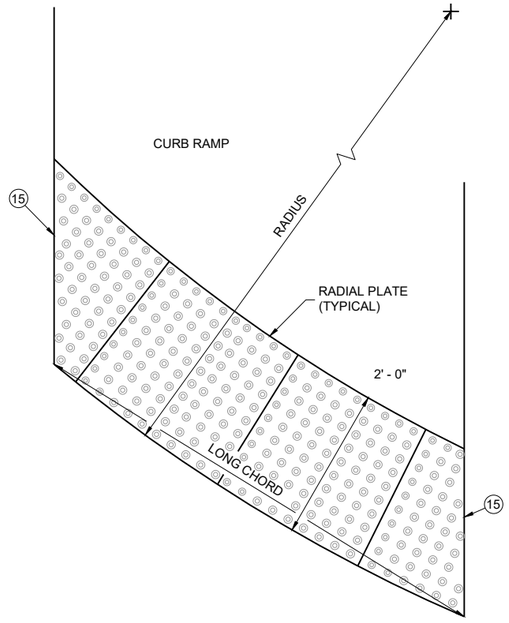
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



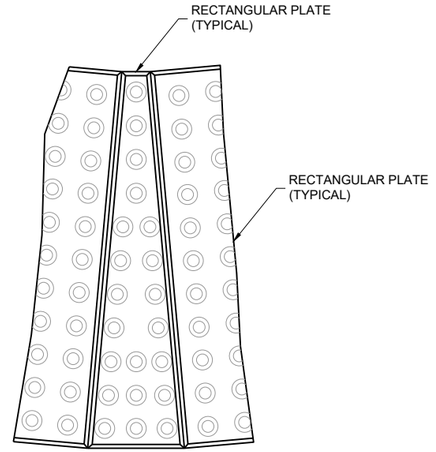
RECTANGULAR PLATES

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
May 2026 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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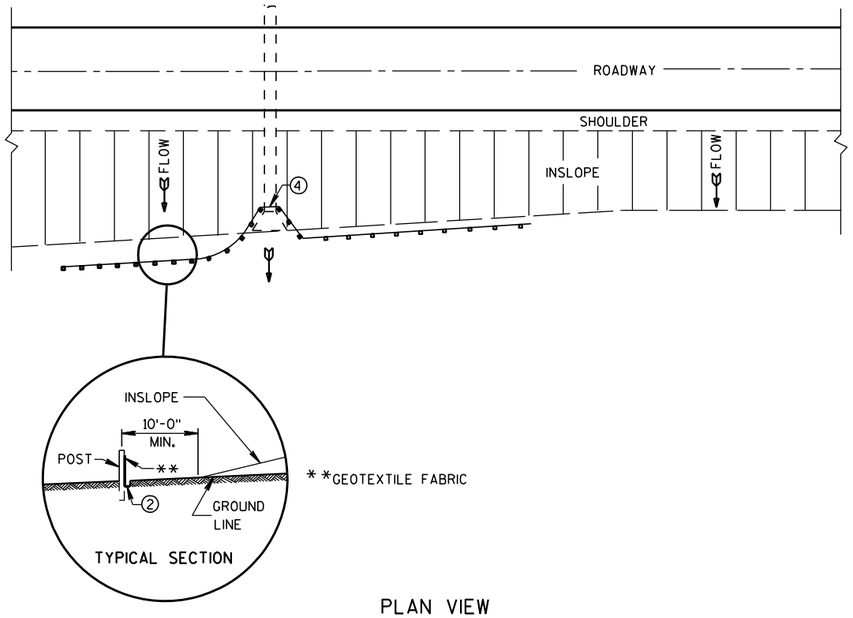
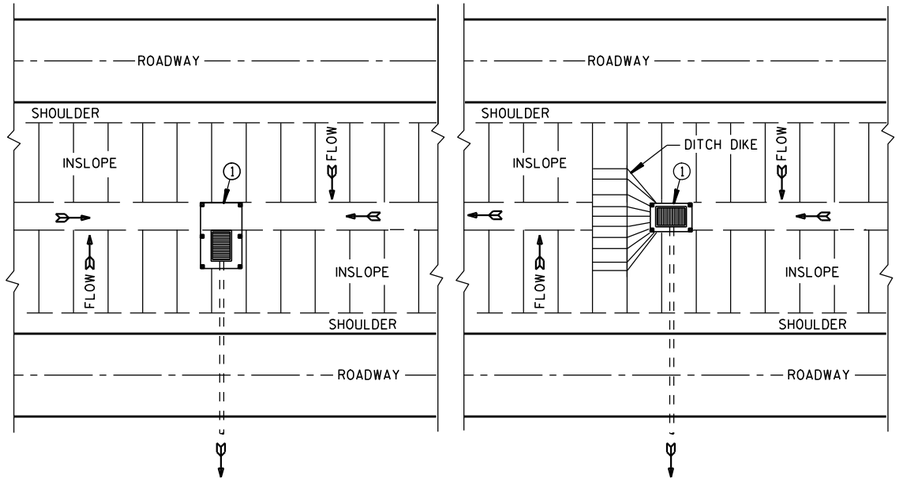
SDD 08D05-23g



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



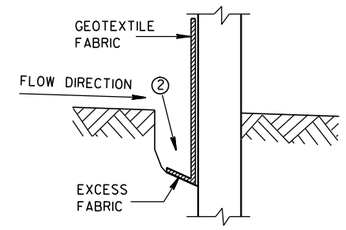
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

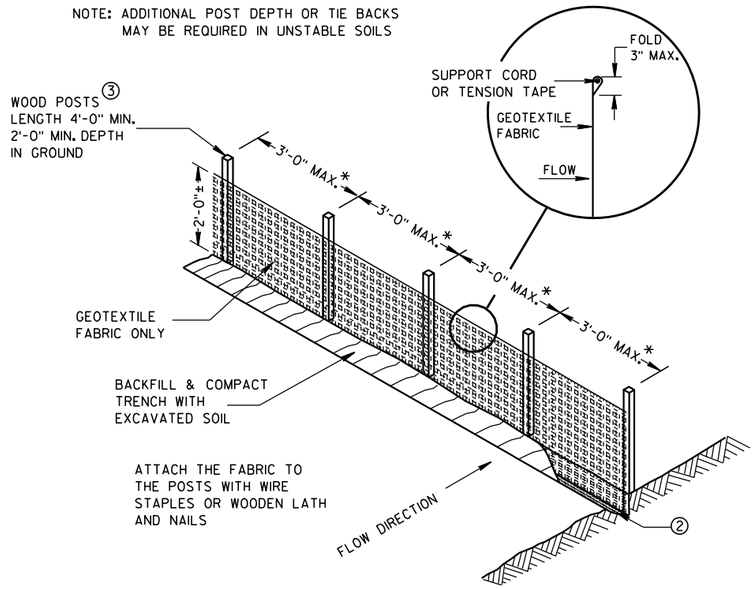
GENERAL NOTES

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

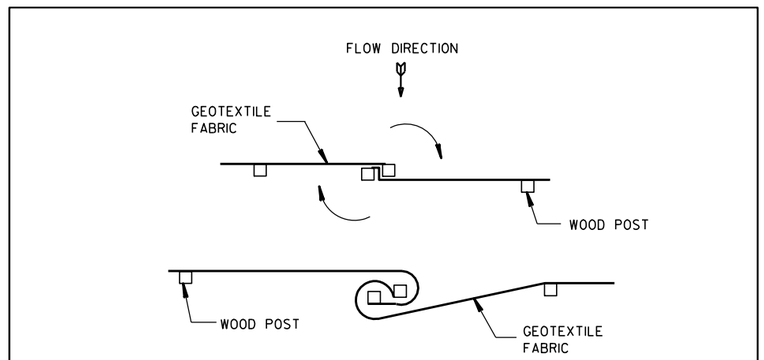
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



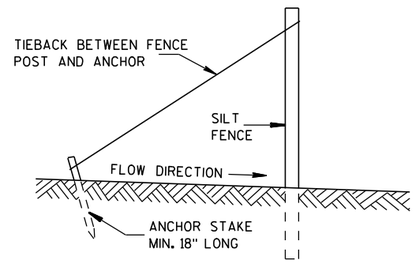
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 9-6

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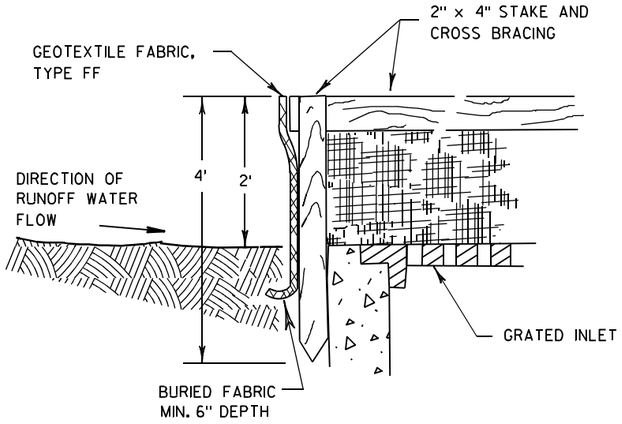
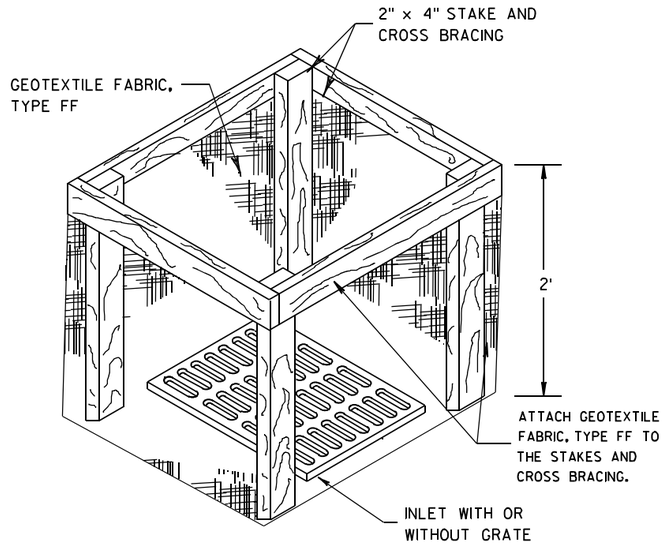
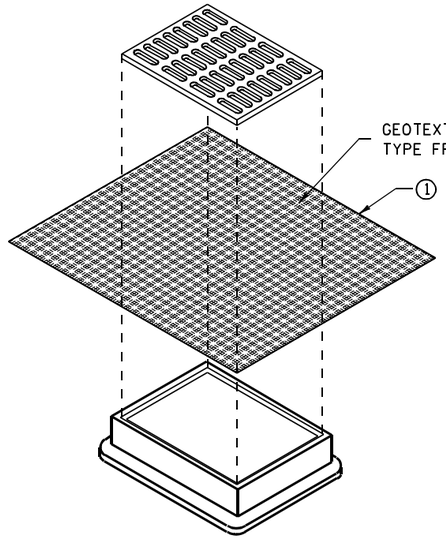
S.D.D. 8 E 9-6



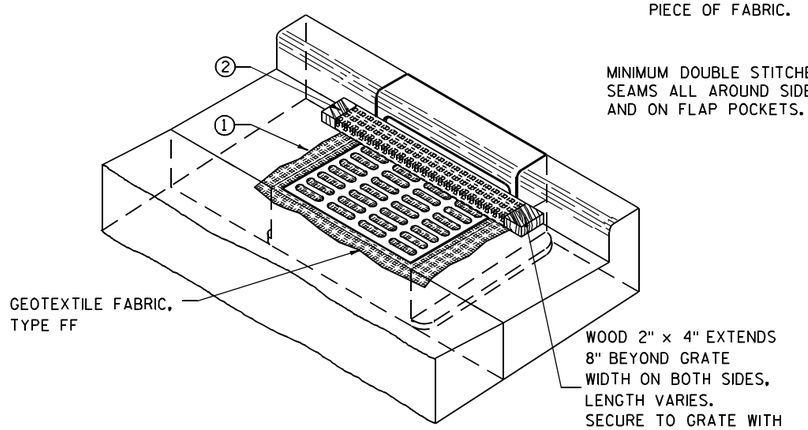


INLET PROTECTION, TYPE A

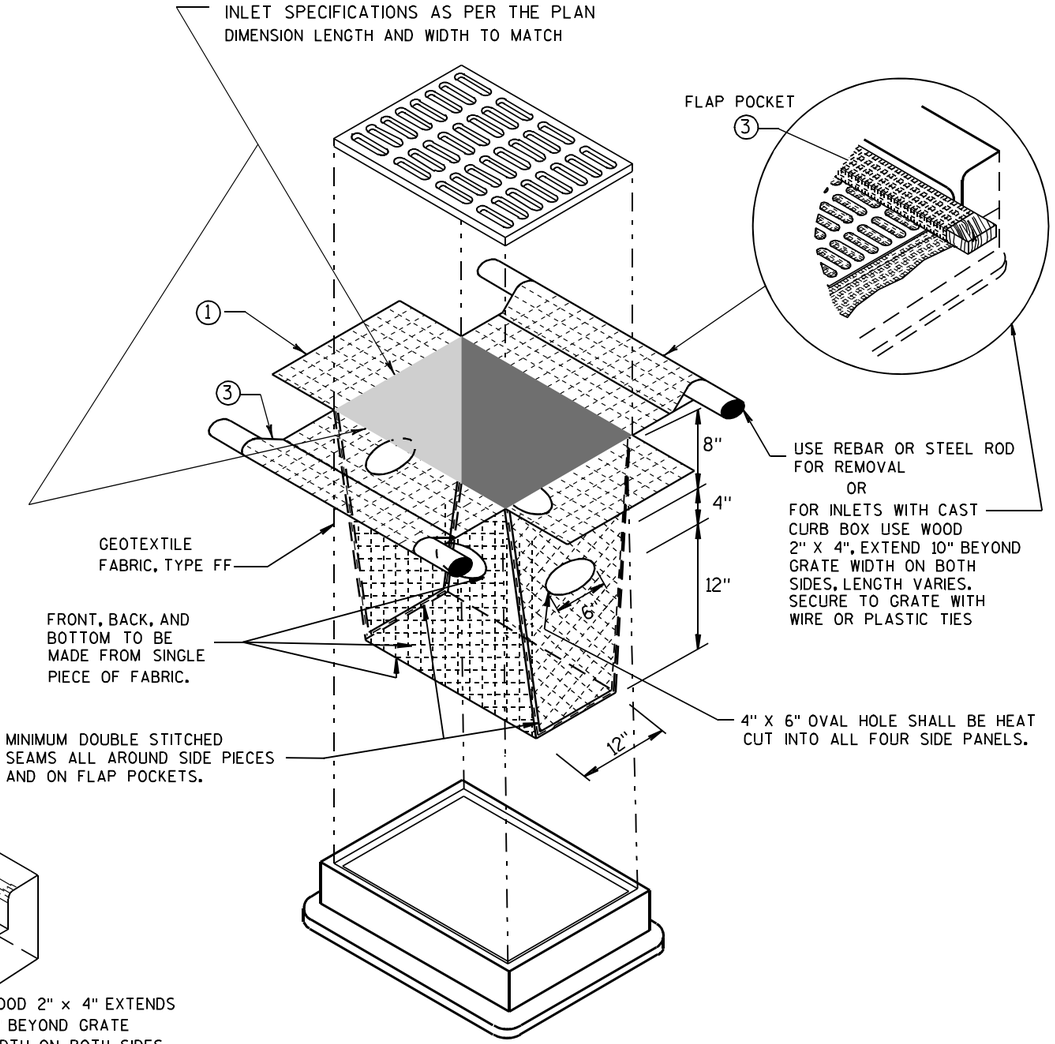


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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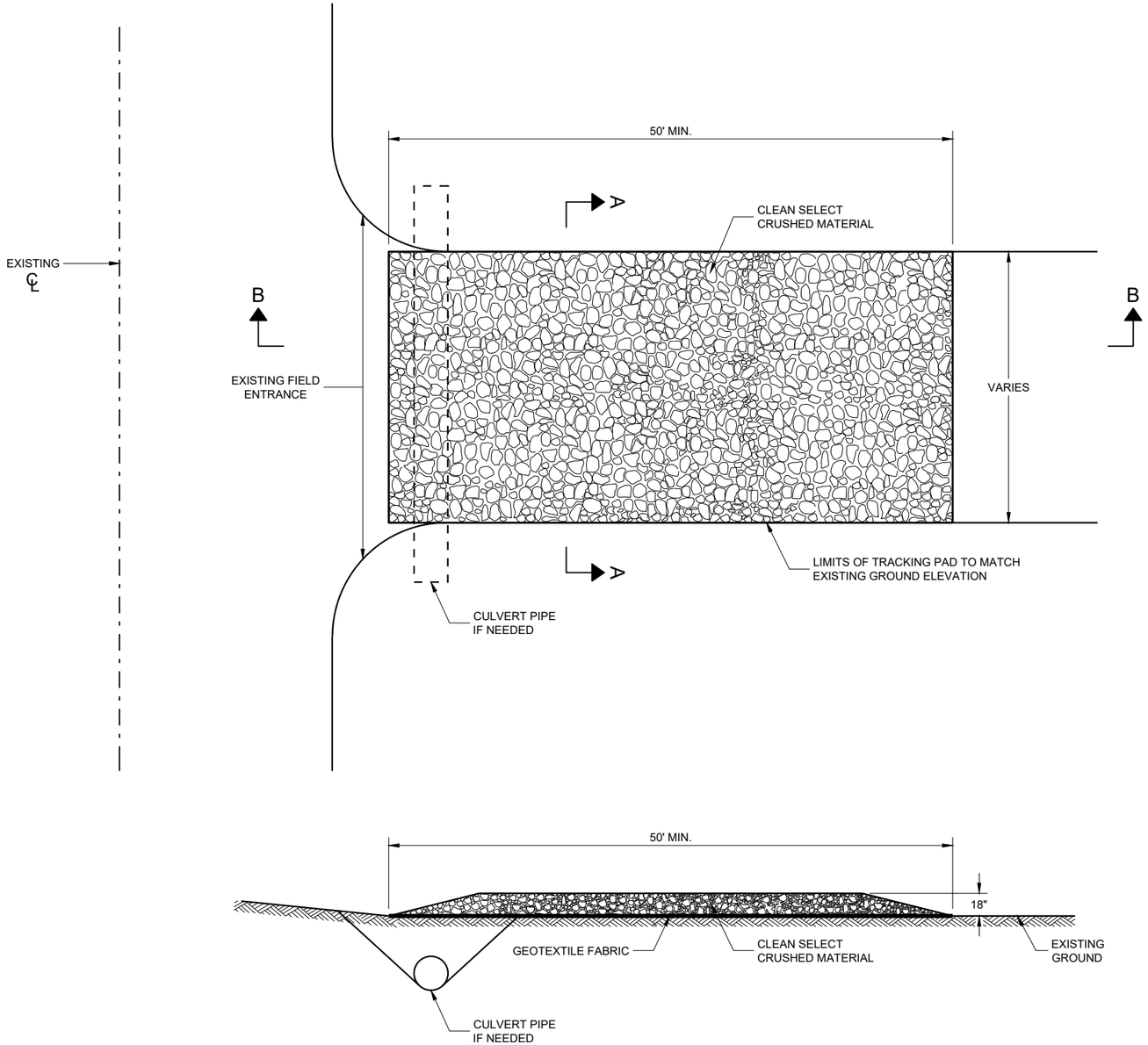
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

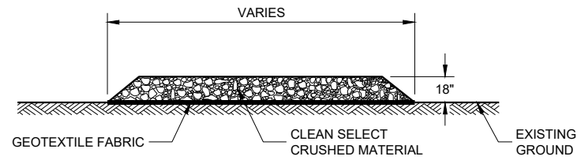
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 08E14 - 01

METAL APRON ENDWALLS

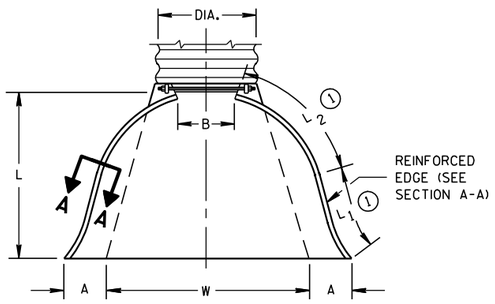
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

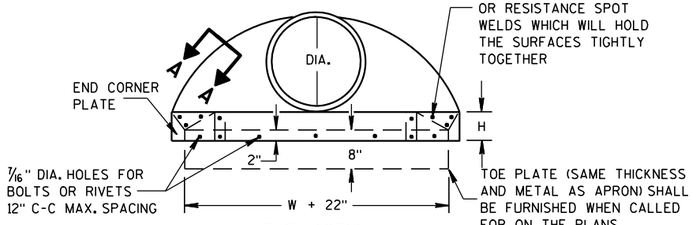
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

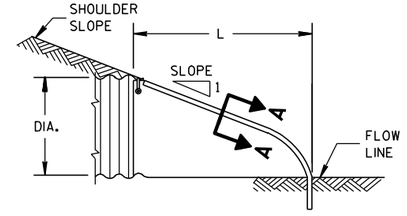
*MINIMUM
**MAXIMUM



PLAN VIEW

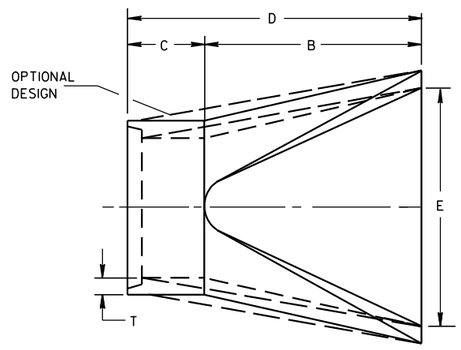


END VIEW

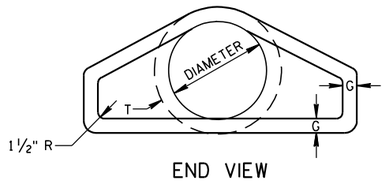


SIDE ELEVATION

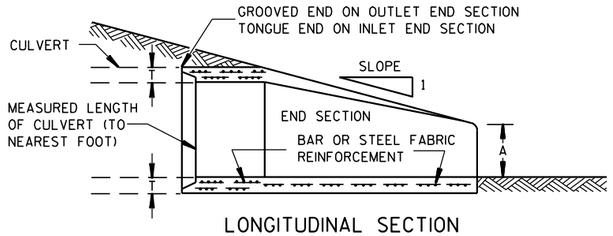
METAL ENDWALLS



PLAN

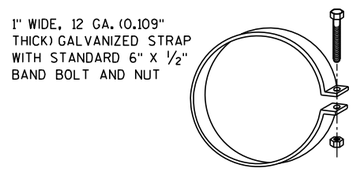


END VIEW



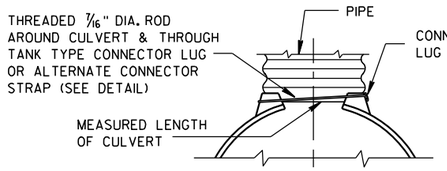
LONGITUDINAL SECTION

CONCRETE ENDWALLS

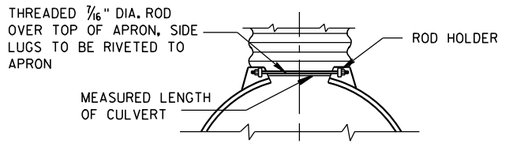


ALTERNATE FOR TYPE 1 CONNECTION

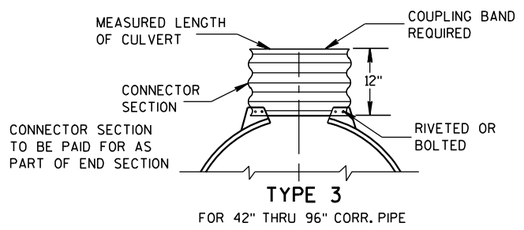
END SECTION CONNECTOR STRAP



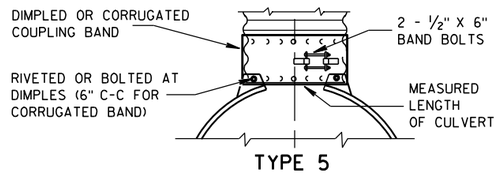
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

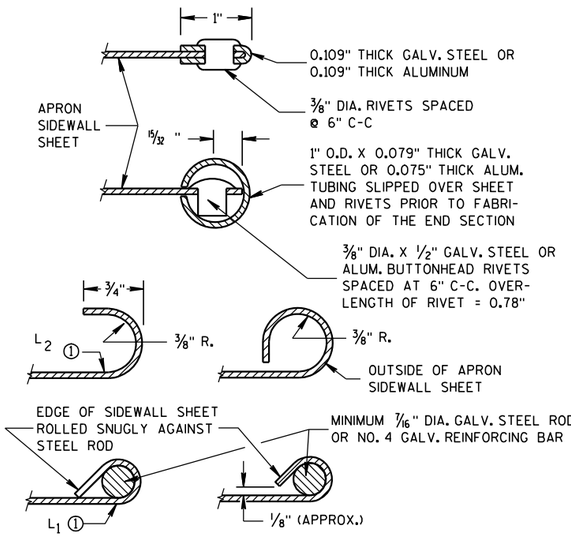
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

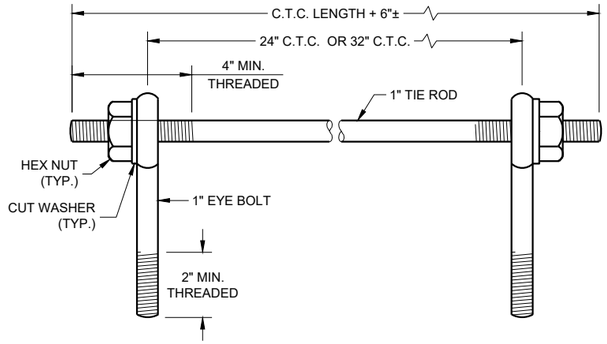
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

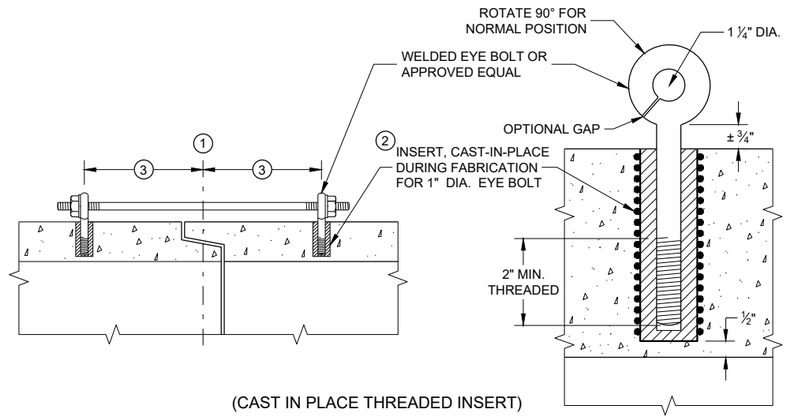
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



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.

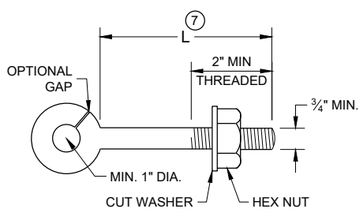
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

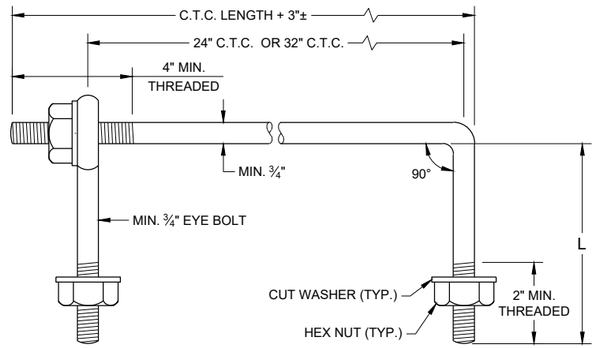
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

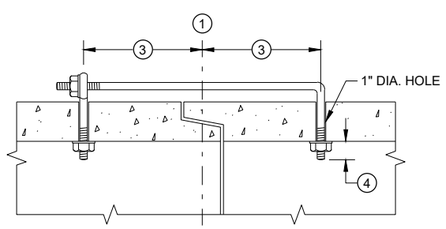


EYE BOLT (7)

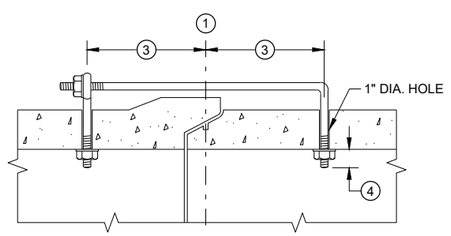
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

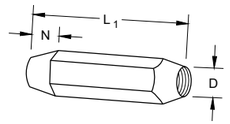
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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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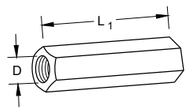
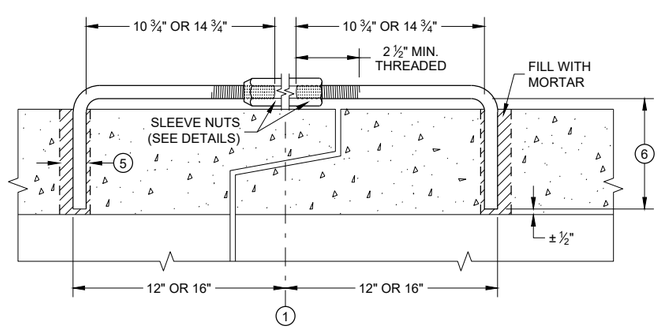


PLAIN

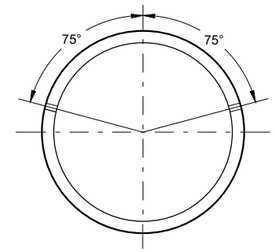
RIGHT AND LEFT THREADS

SLEEVE NUTS



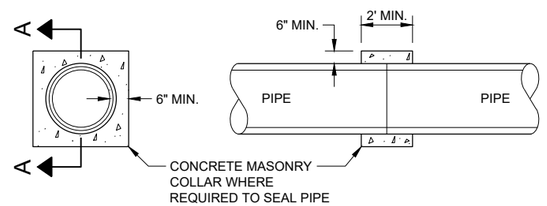
LONGITUDINAL SECTION

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

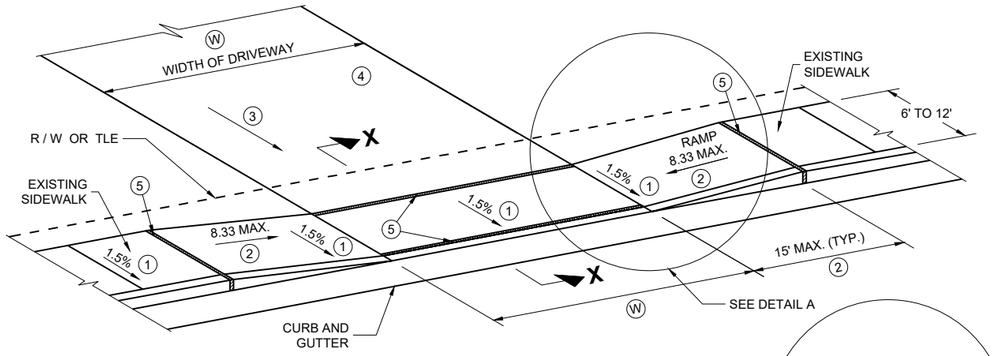
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

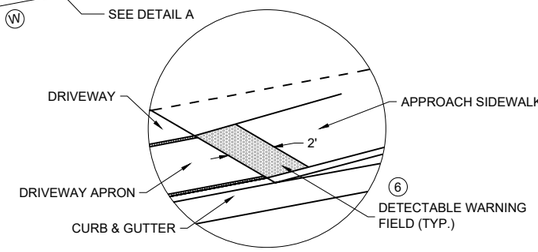
FHWA

SDD 08F04 - 08

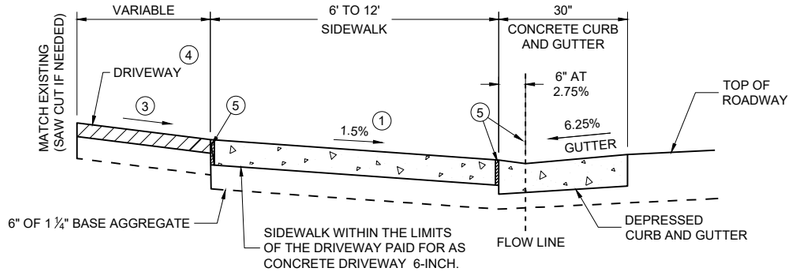
SDD 08F04 - 08



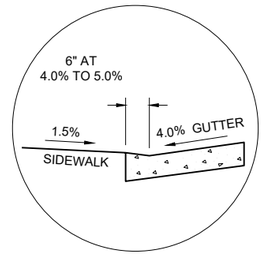
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X

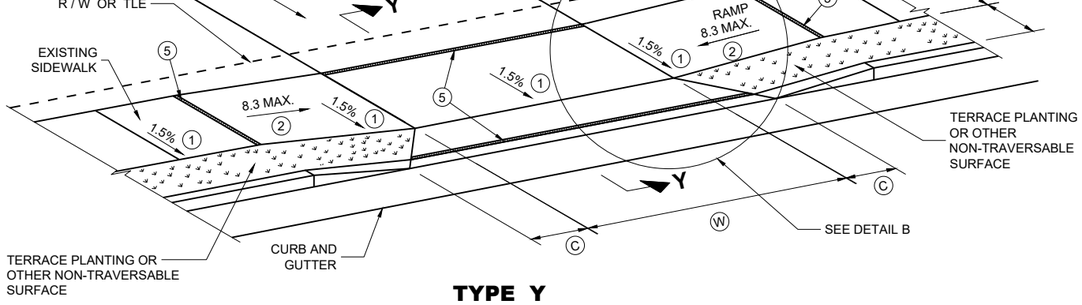


SECTION X - X
4% GUTTER SLOPE

Ⓦ : DRIVEWAY WIDTHS (MEASURED AT ROW LINE)
- ~ COMMERCIAL & INDUSTRIAL 16' MIN. - 35' MAX.
- ~ RESIDENTIAL & AGRICULTURAL (NONCOMMERCIAL) 16' MIN. - 24' MAX.

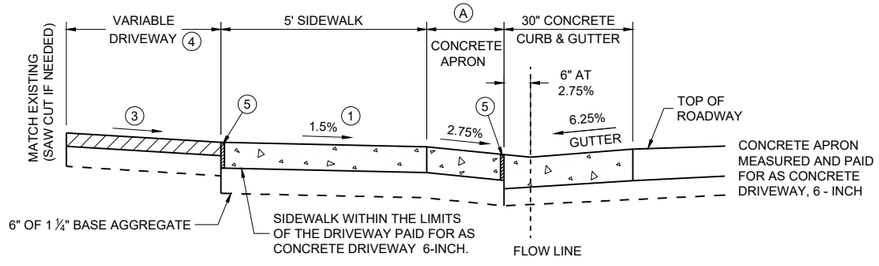
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



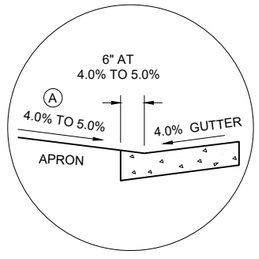
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

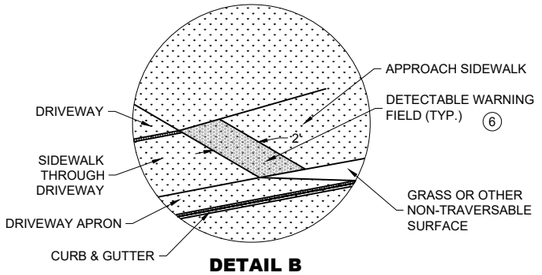
② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- * 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- * 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- * 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ 1/2" EXPANSION JOINT FILLER

⑥ DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD SIGN CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.



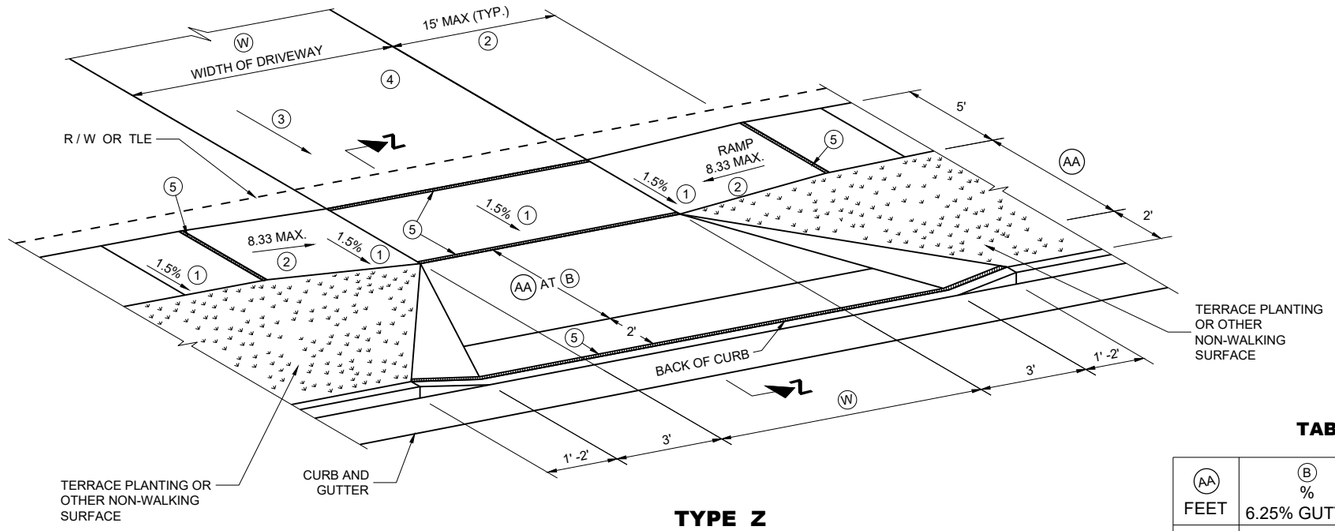
DETAIL B

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
SDD 09A11-01



TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

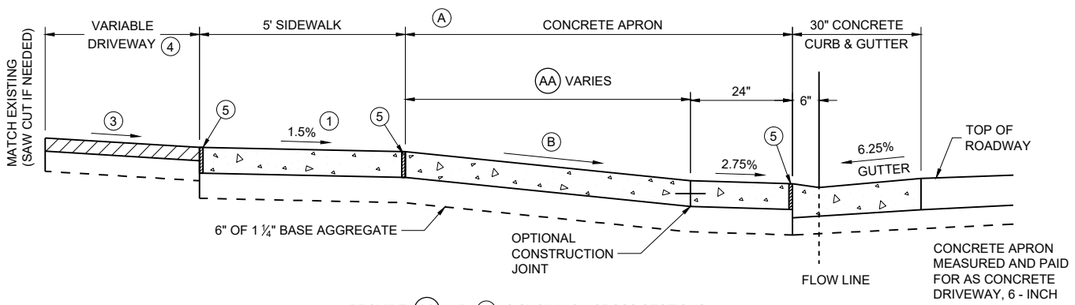
(4) DRIVEWAY TYPES
* 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE 2-INCH
* TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE 6-INCH BASE
* AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

(5) 1/2" EXPANSION JOINT FILLER.

TABLE Z

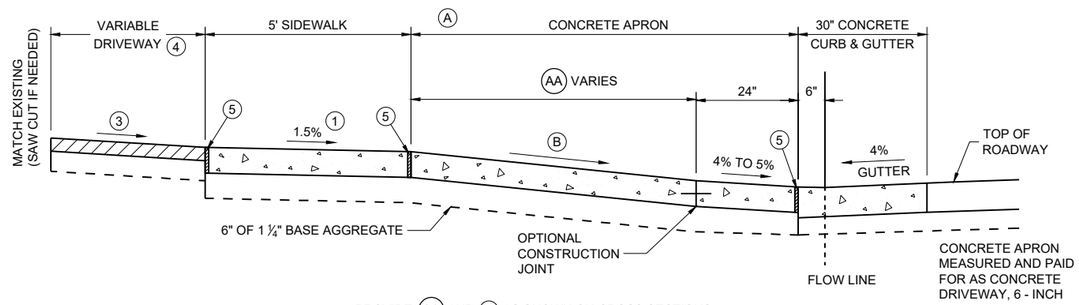
(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

(W) : DRIVEWAY WIDTHS (MEASURED AT ROW LINE)
~ COMMERCIAL & INDUSTRIAL 16' MIN. - 35' MAX.
~ RESIDENTIAL & AGRICULTURAL (NONCOMMERCIAL) 16' MIN. - 24' MAX.



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SECTION Z - Z

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

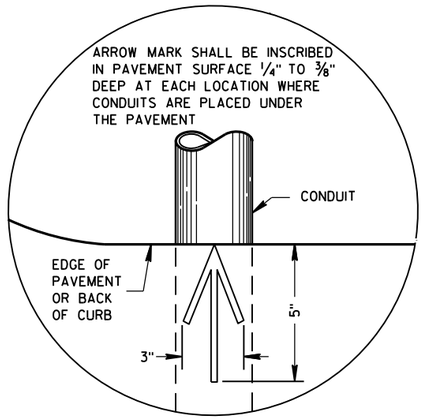
(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

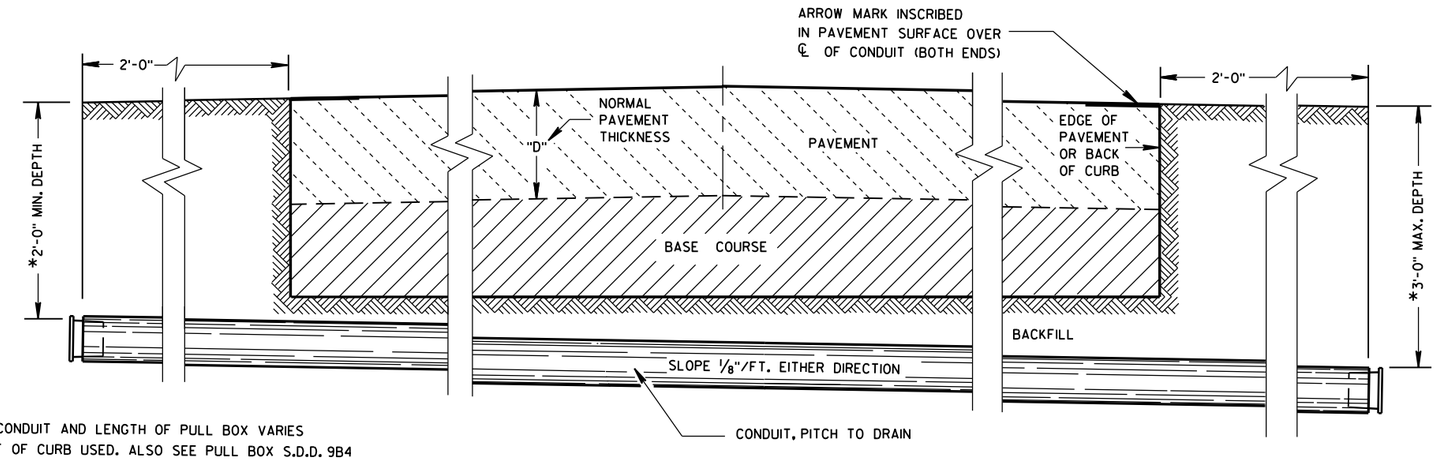
APPROVED
November 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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 210
FHWA

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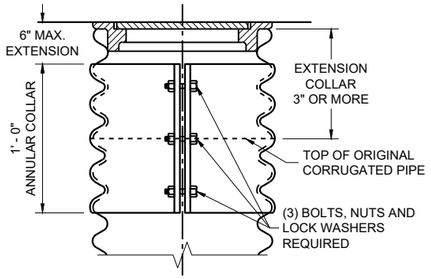
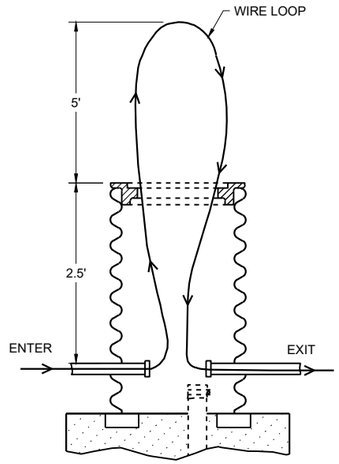
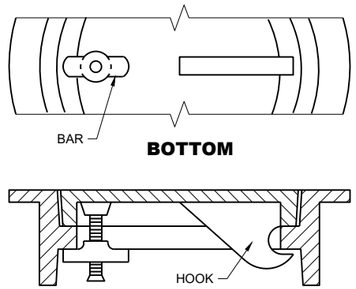
S.D.D. 9 B 2-10



CORRUGATED PIPE EXTENDER



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



BOTTOM

SECTION

ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

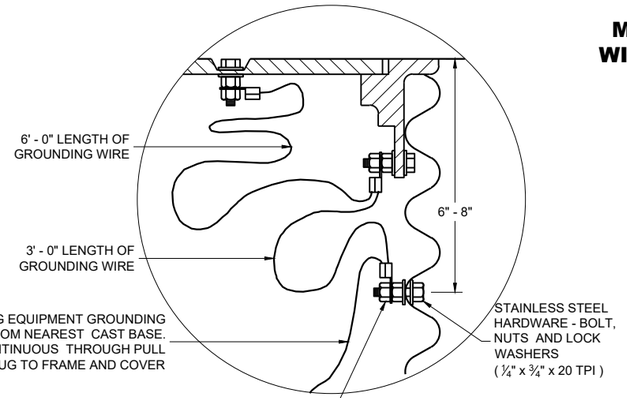
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

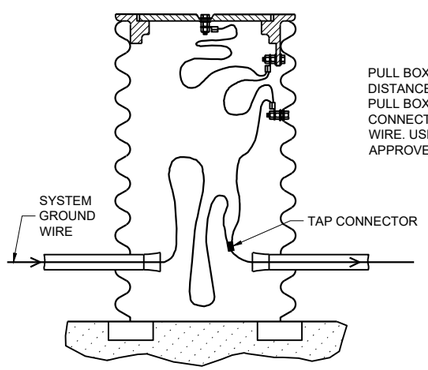
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

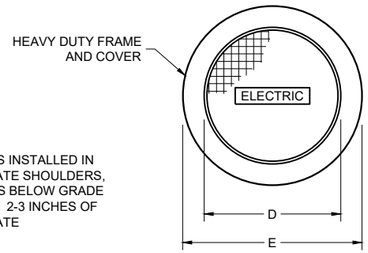


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

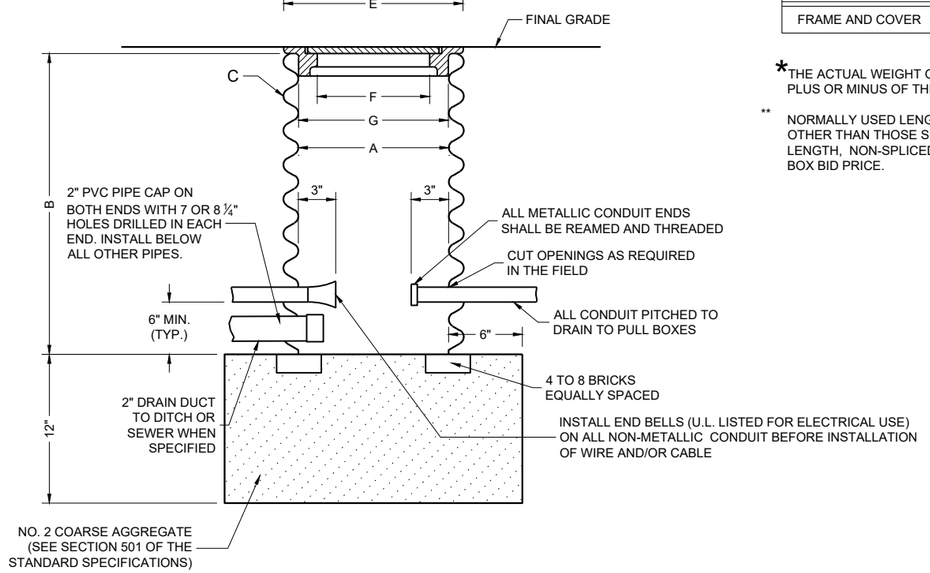


PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

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

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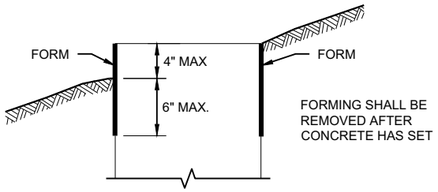
FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



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.

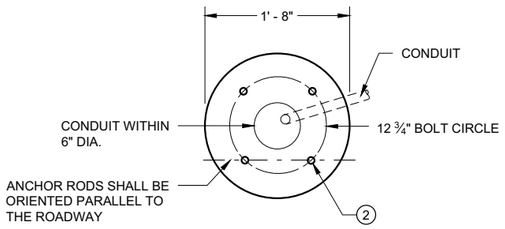
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

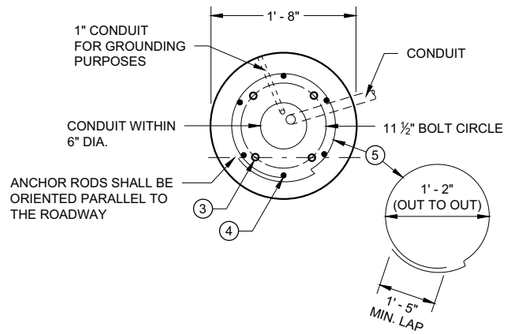
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

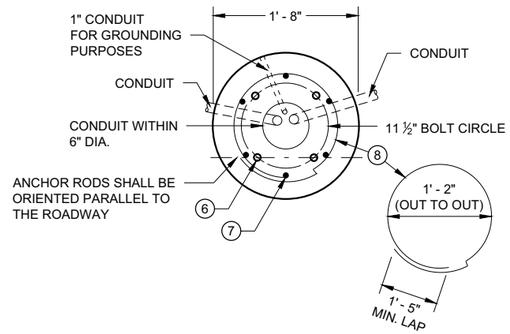
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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).







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

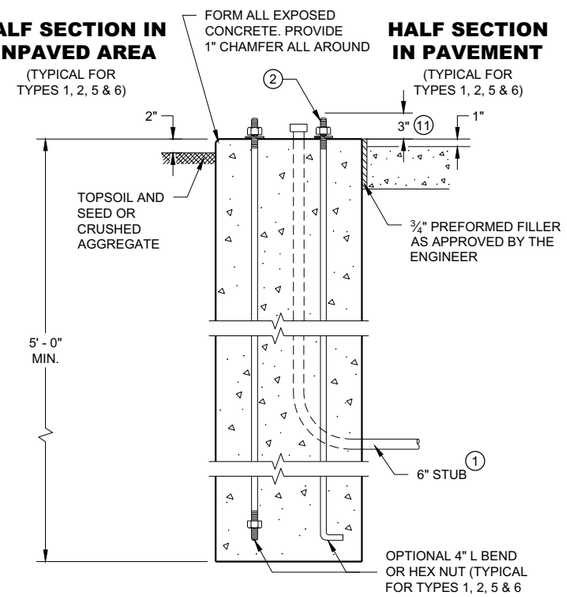
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

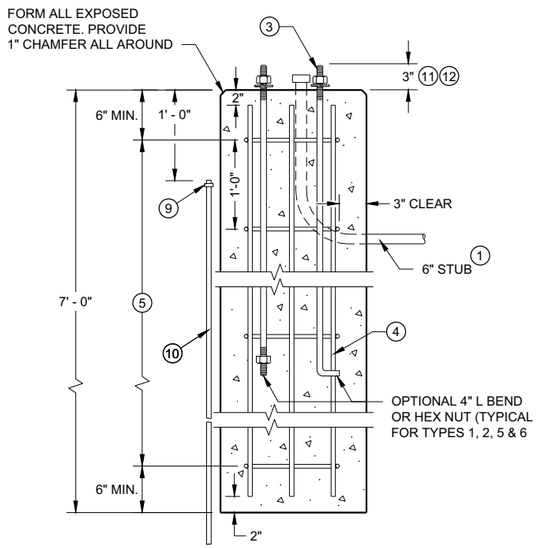
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



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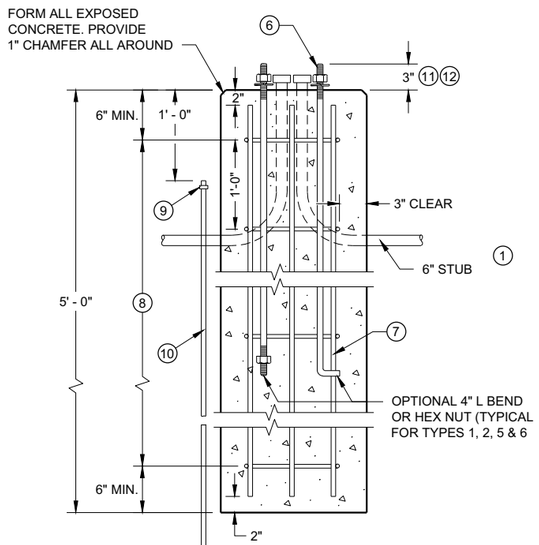

TYPE 5 & 6

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
212

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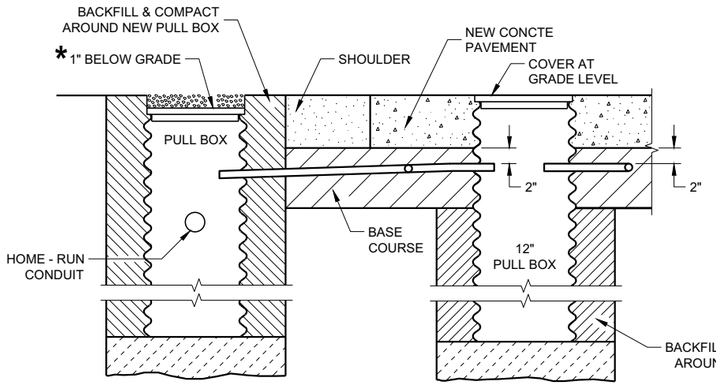
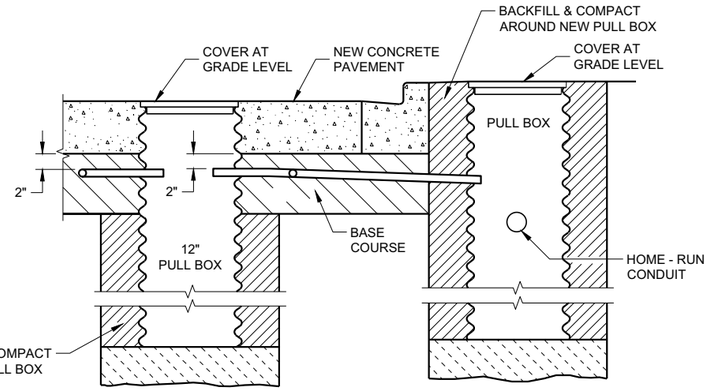


SECTION A - A
NO CURB AND GUTTER

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".

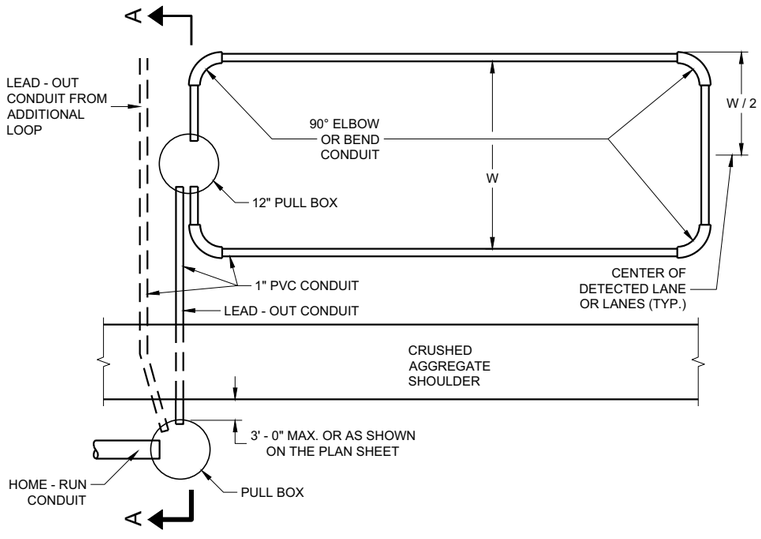
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

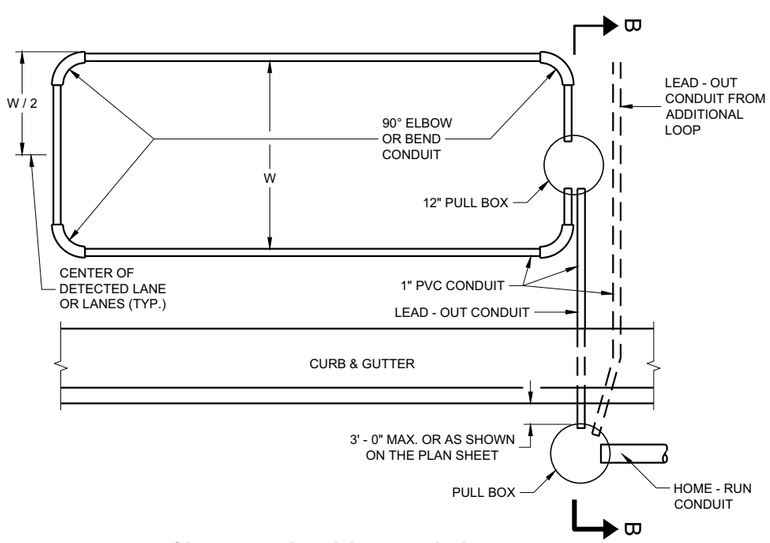
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED CONTINUOUS LENGTH.

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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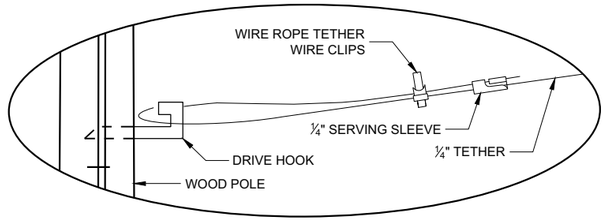
6

SDD 09F09 - 05

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

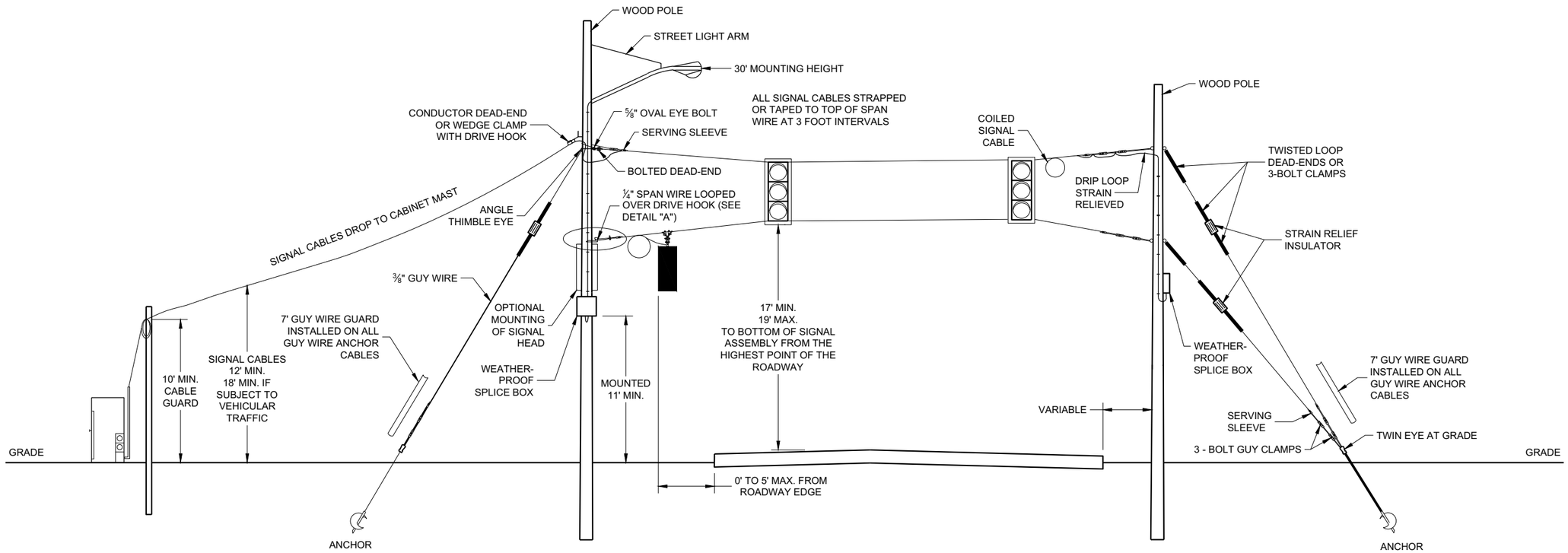


DETAIL "A"

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.
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

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

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SDD09G01 - 04a

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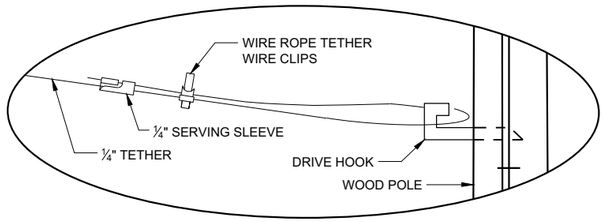
SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
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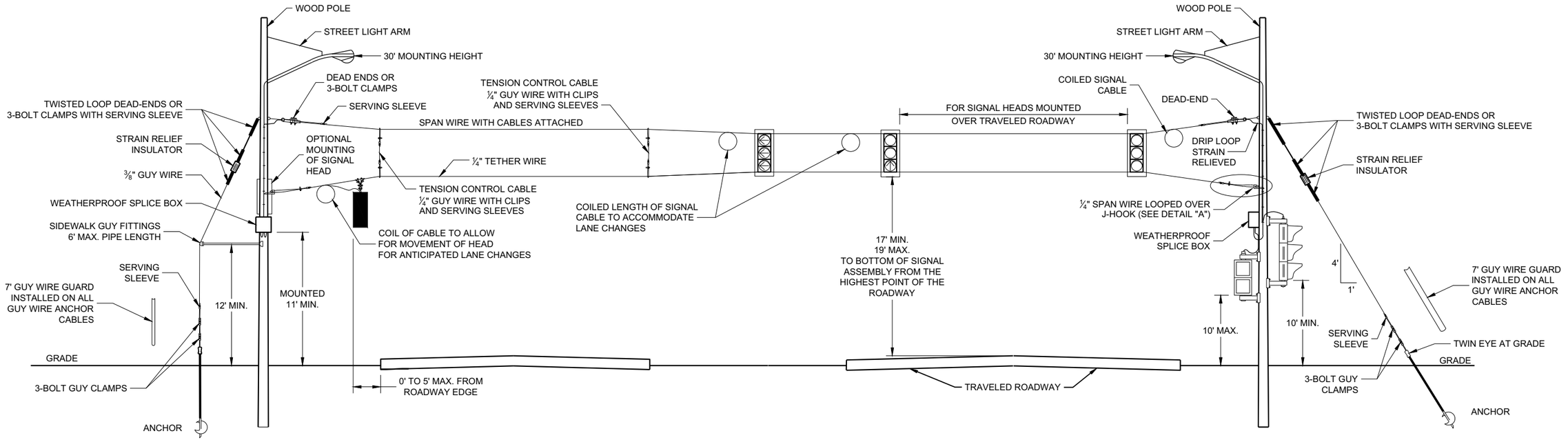
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

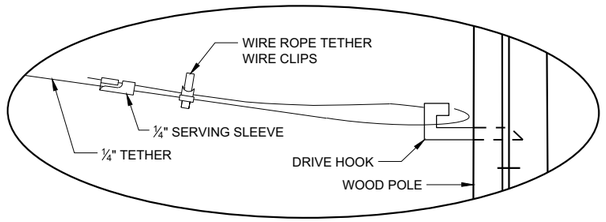
APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

SDD09G01 - 04b

SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

GENERAL NOTES

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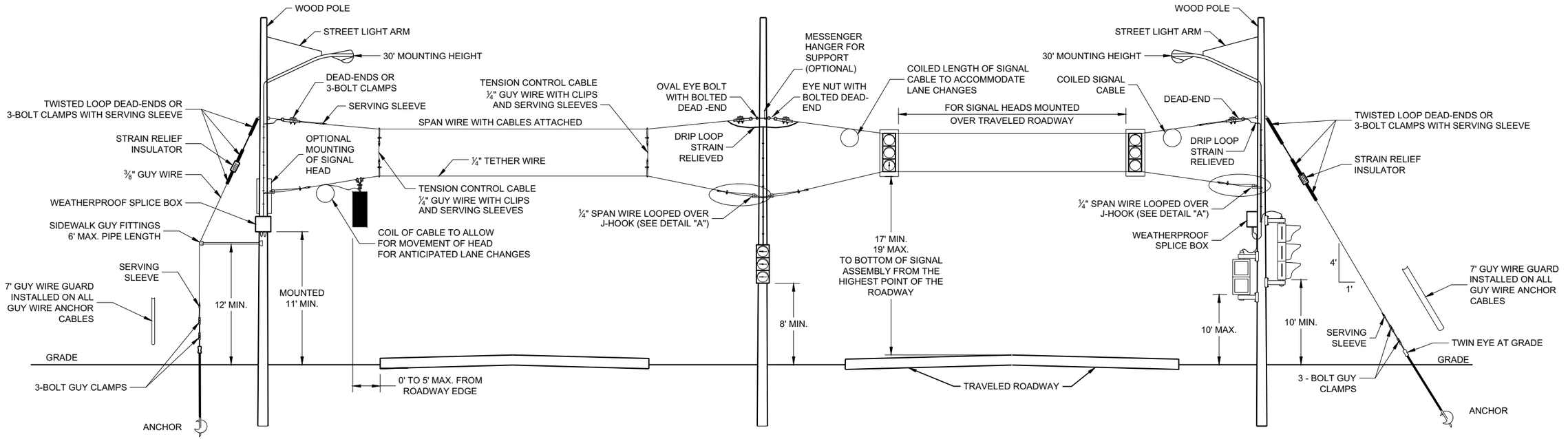
   - C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



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

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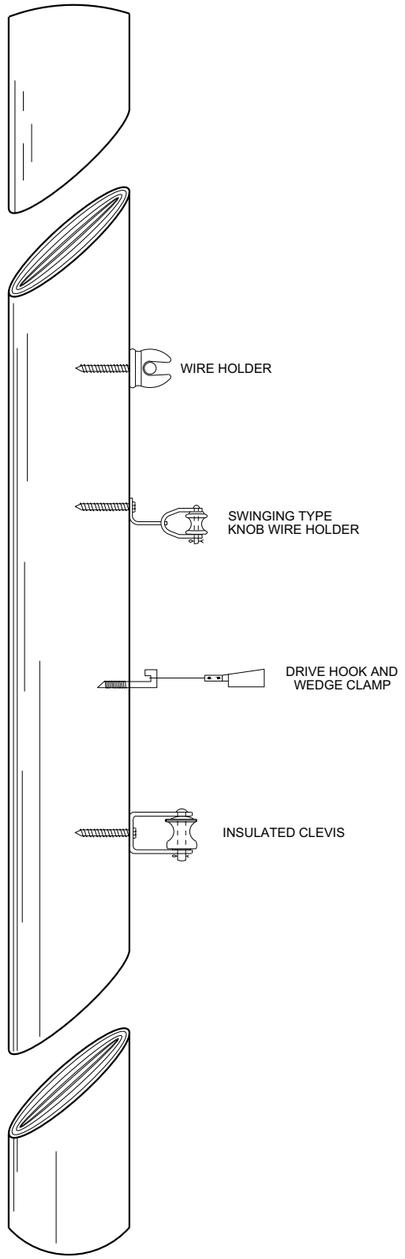
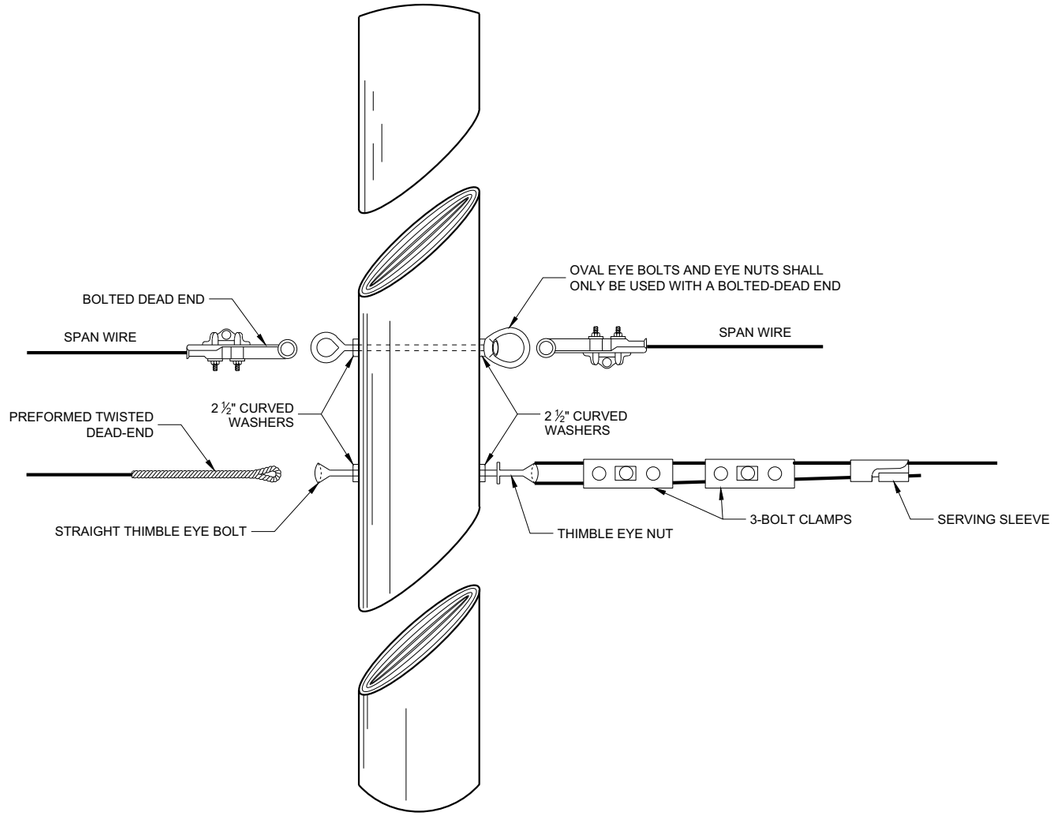
SDD09G01 - 04c

SDD09G01 - 04c





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SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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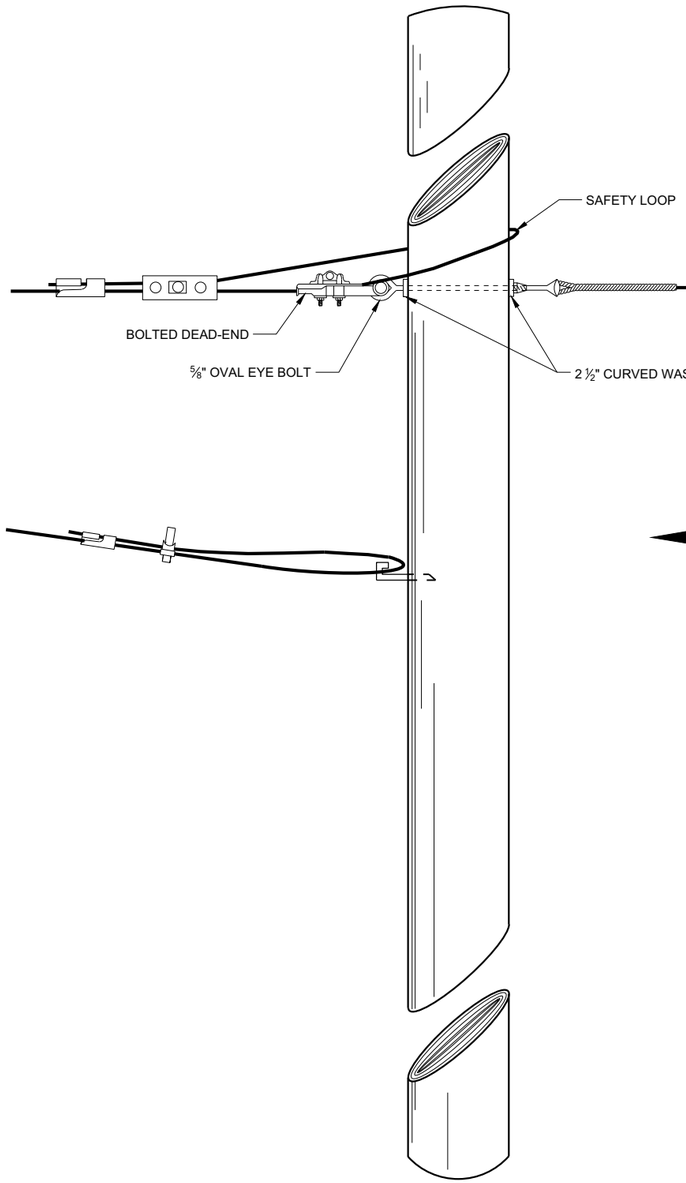
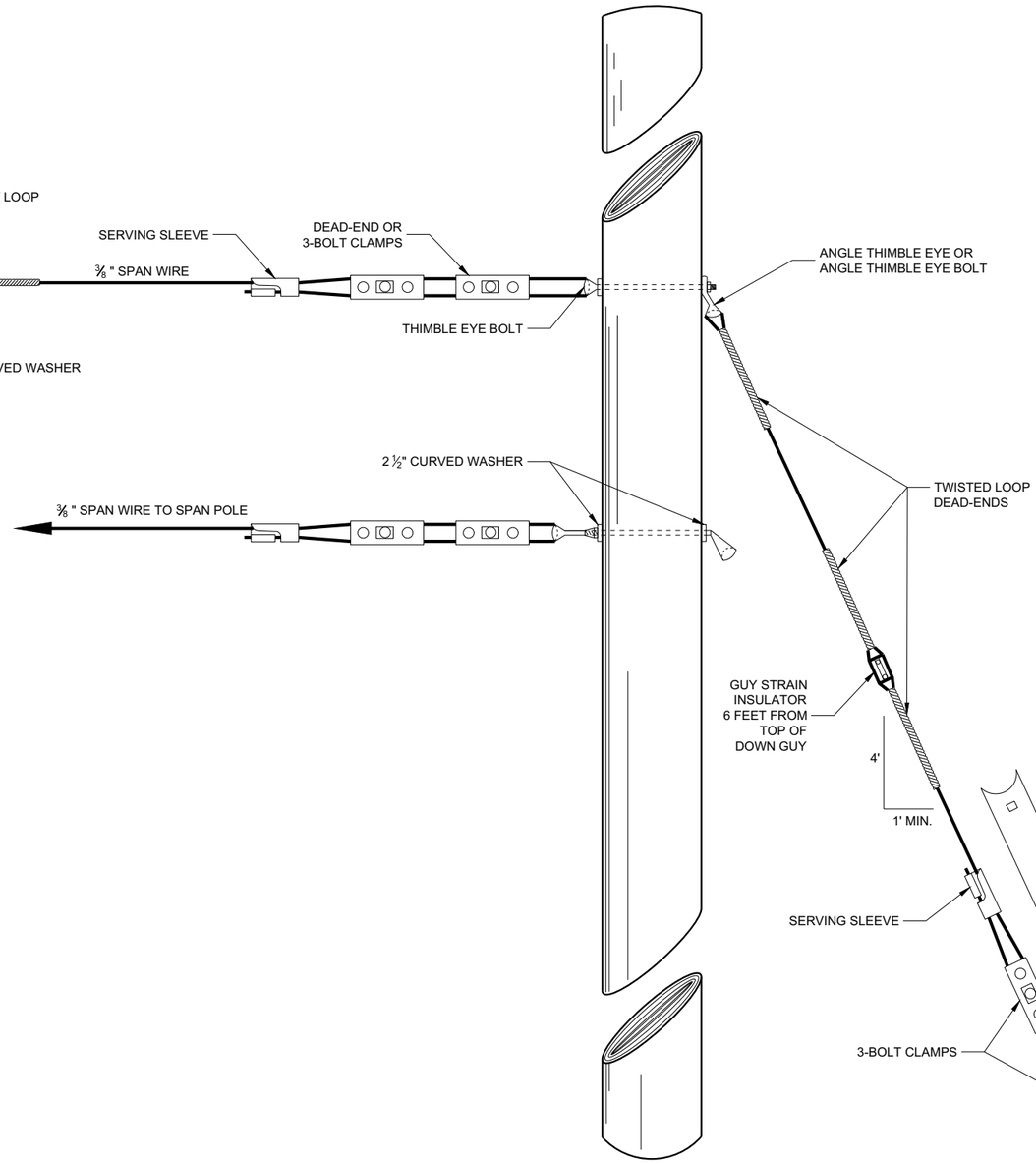
SDD 09G01 - 4d

GENERAL NOTES

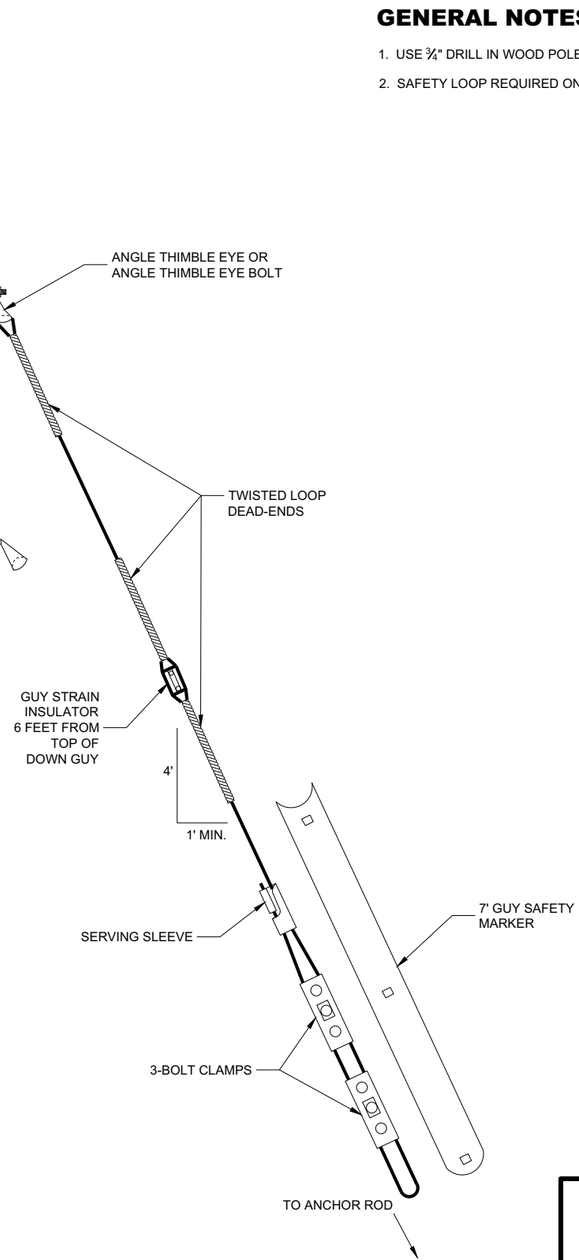
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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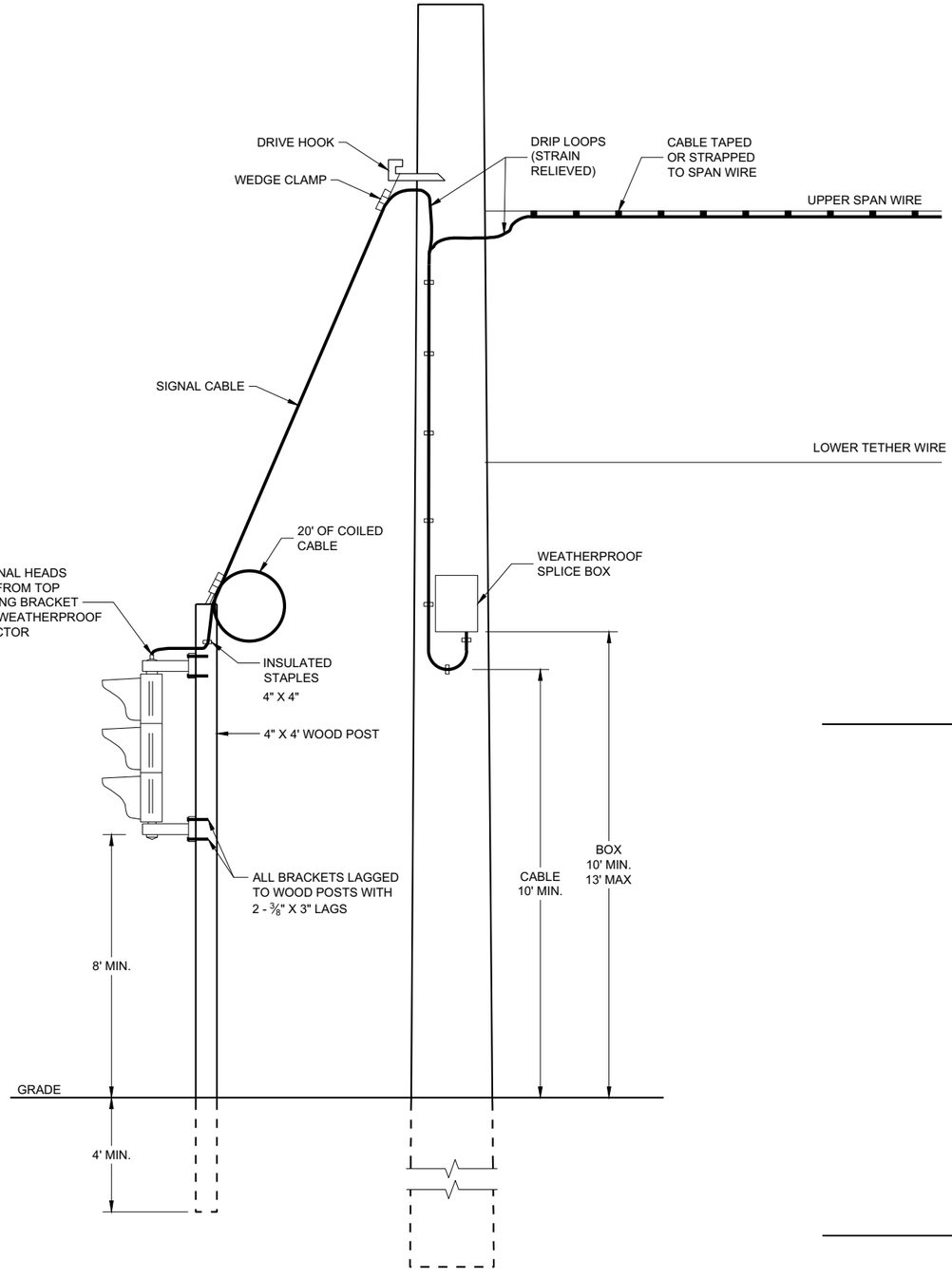
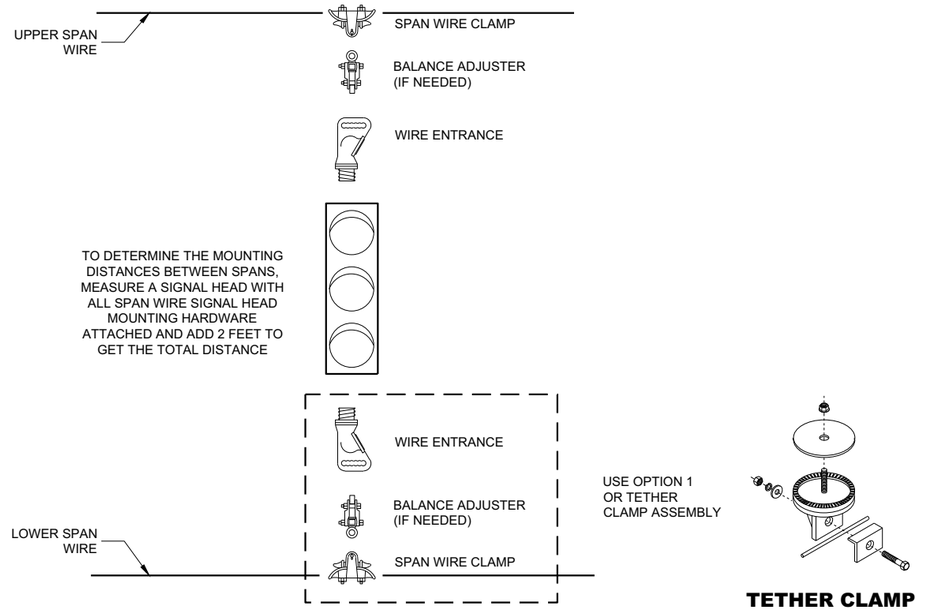
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

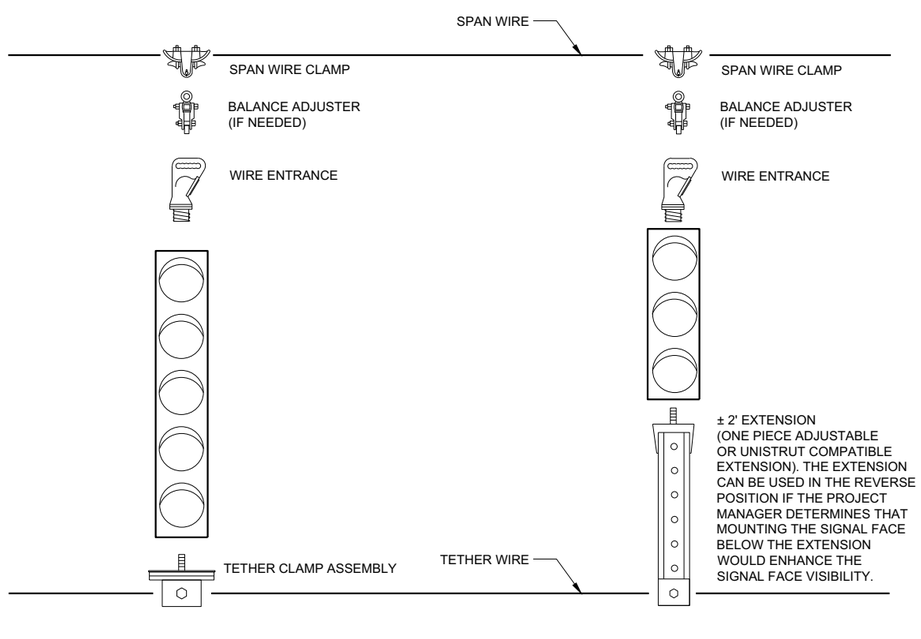


OPTION 1

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
FHWA

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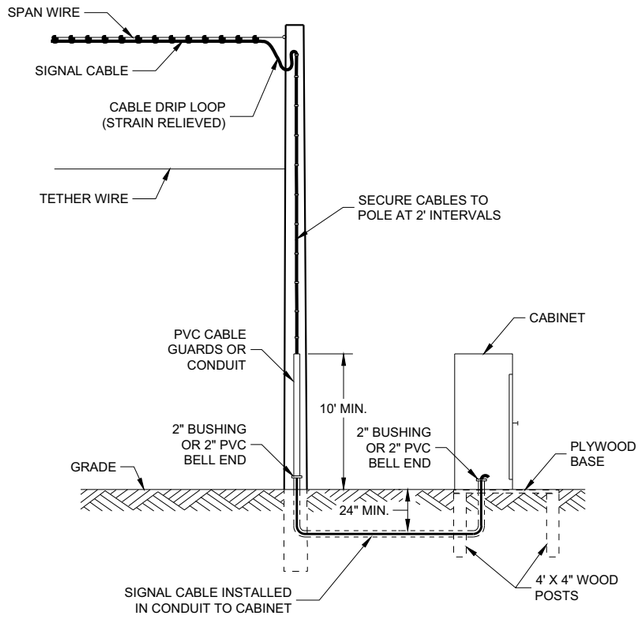
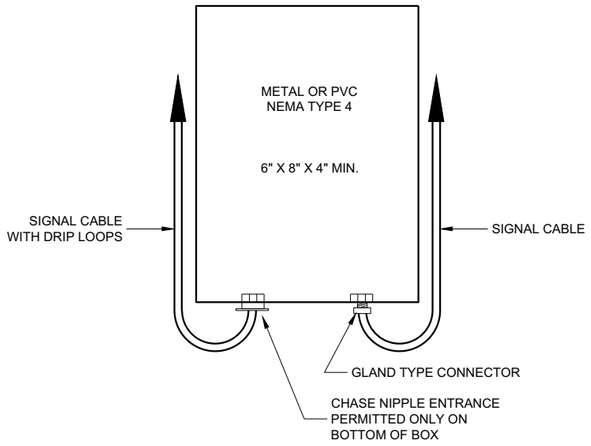
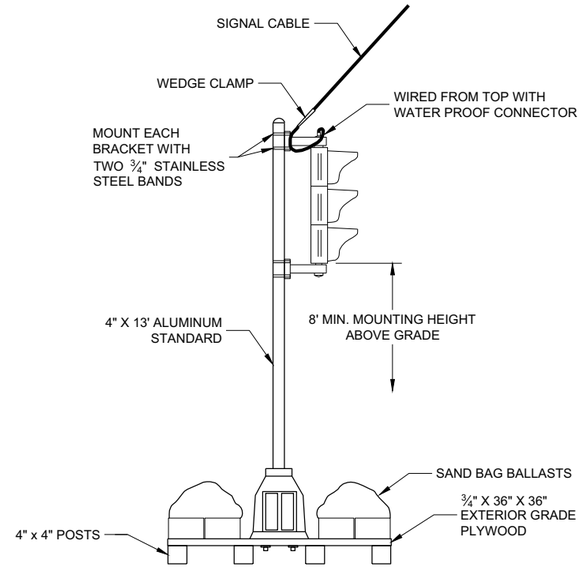
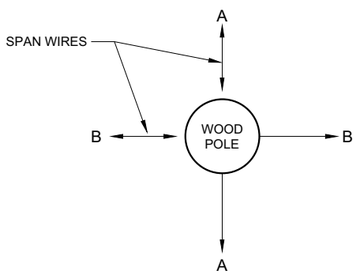




SPLICE BOX

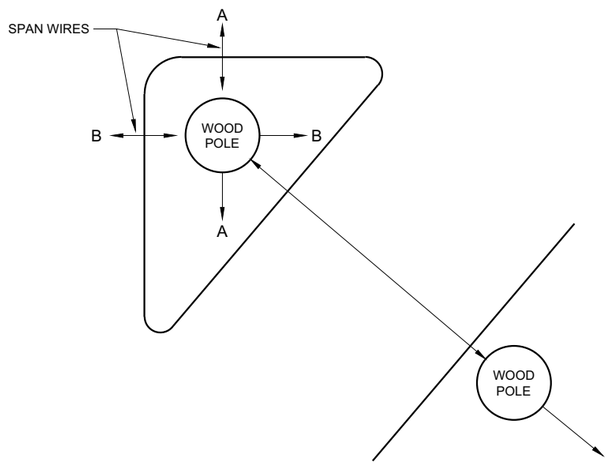


TYPICAL SKID TYPE TEMPORARY

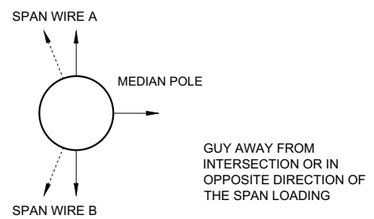


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

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

FHWA

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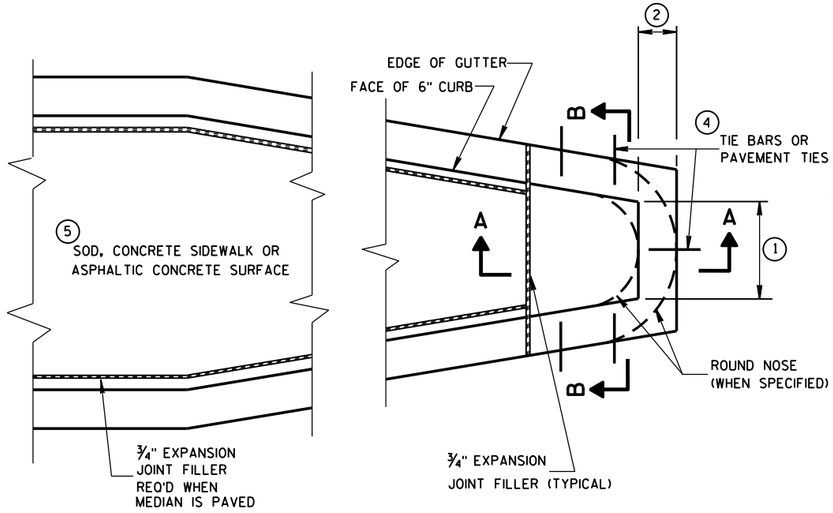
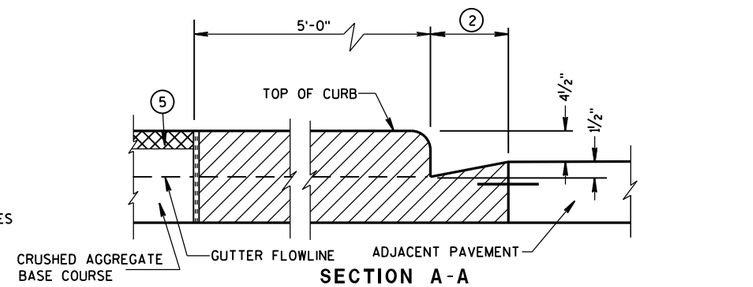
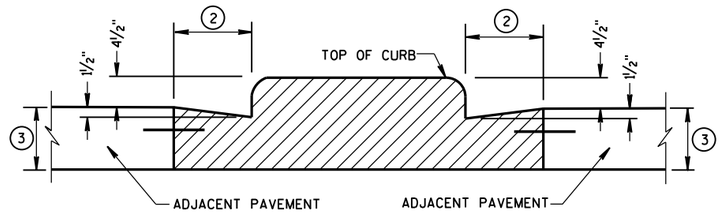




SECTION A-A



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.

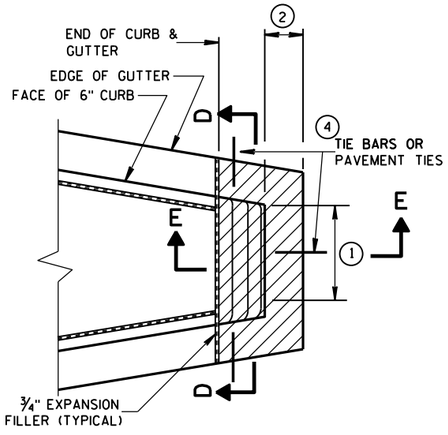
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

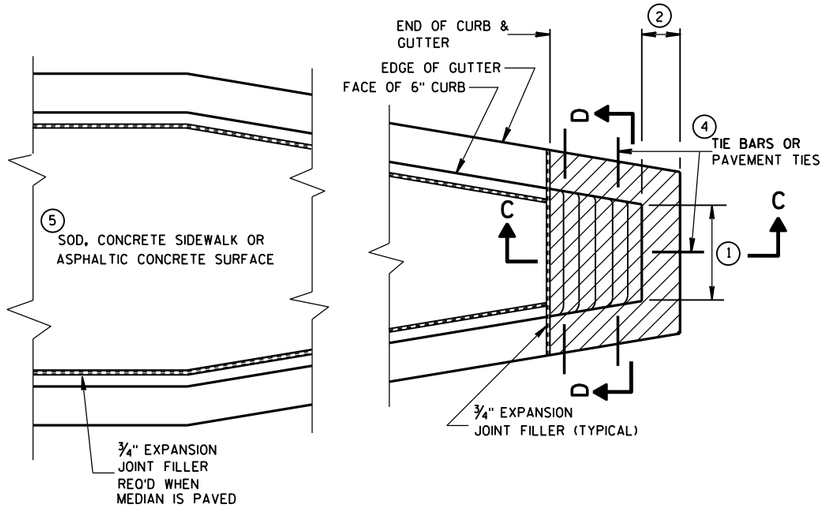
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

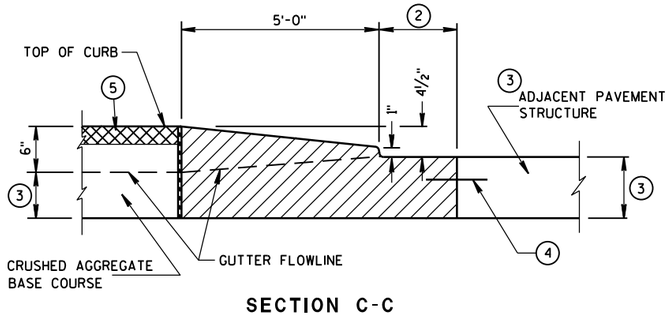
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

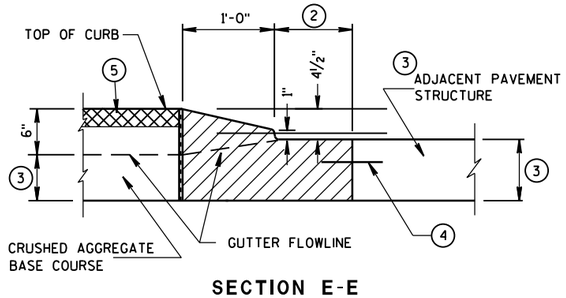




CONCRETE MEDIAN SLOPED NOSE TYPE 1

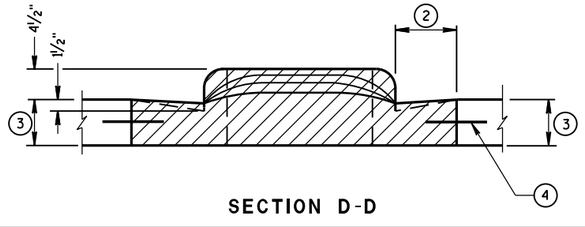


SECTION C-C



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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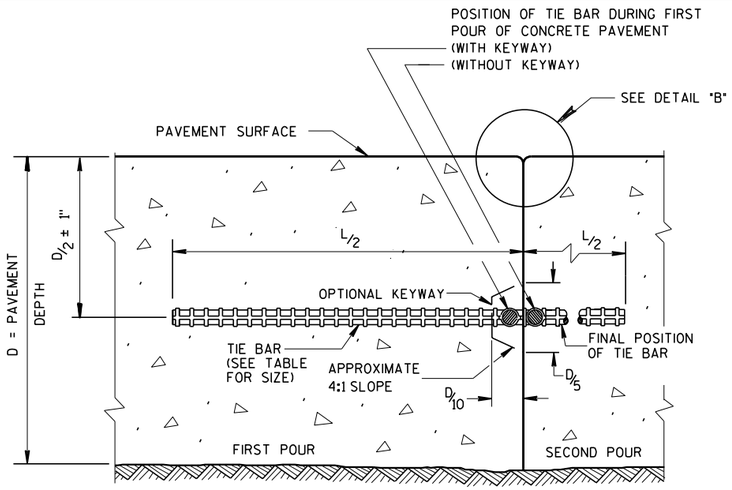
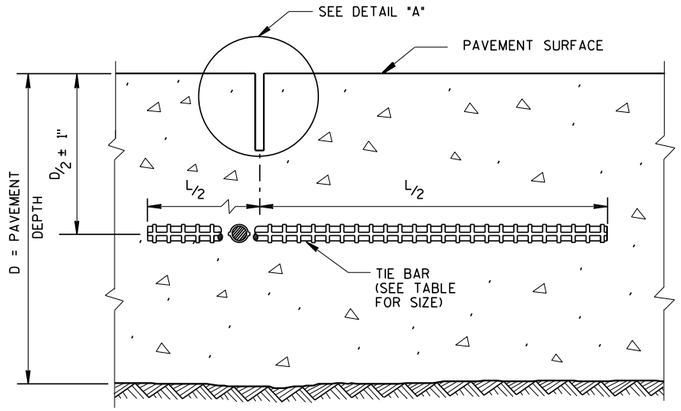
S.D.D. 11 B 2-2



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 PE
PAVEMENT SUPE
FHWA

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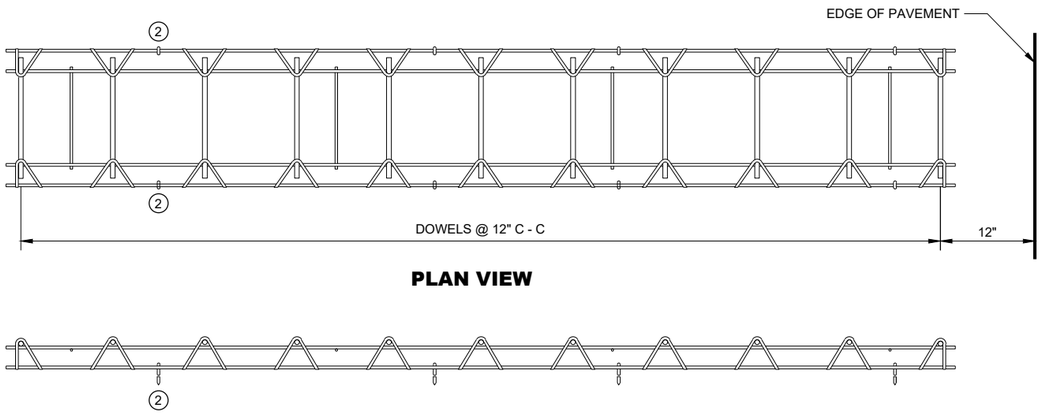
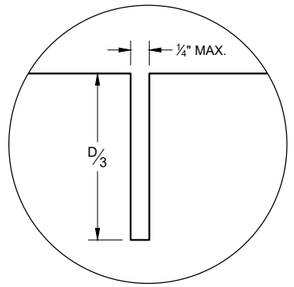
S.D.D. 13 C 1-19



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.

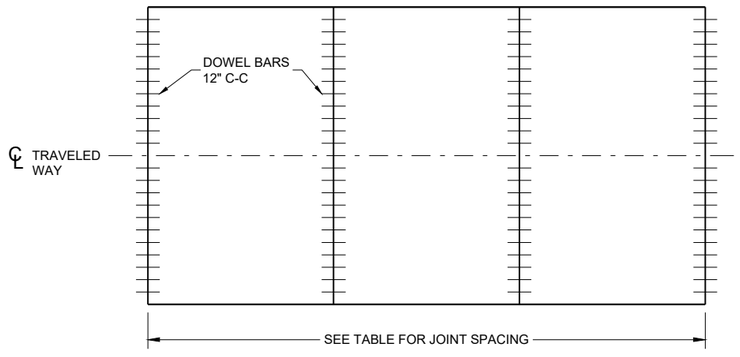
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

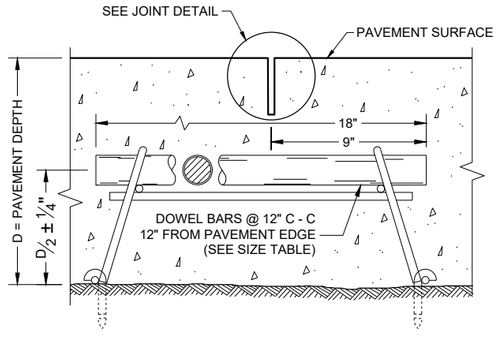
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED 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.



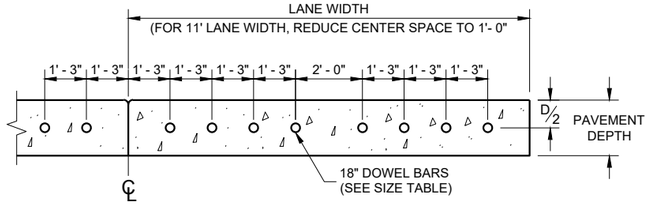
CONTRACTION JOINT LOCATIONS



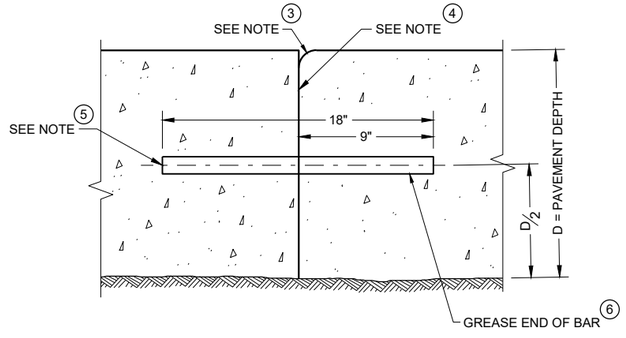
DOWELED CONTRACTION JOINT

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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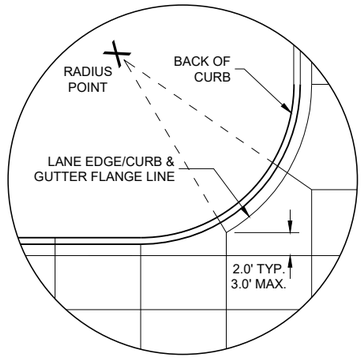
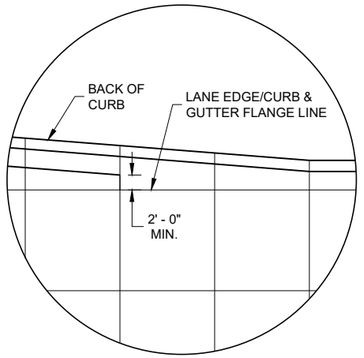
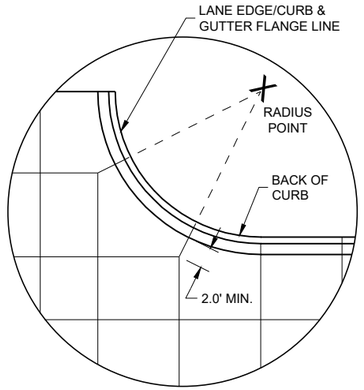
SDD 13C13 - 11



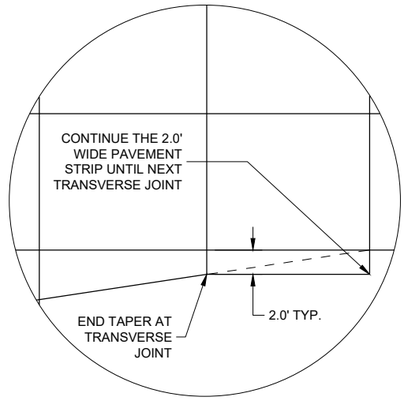
DETAIL "A"



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.

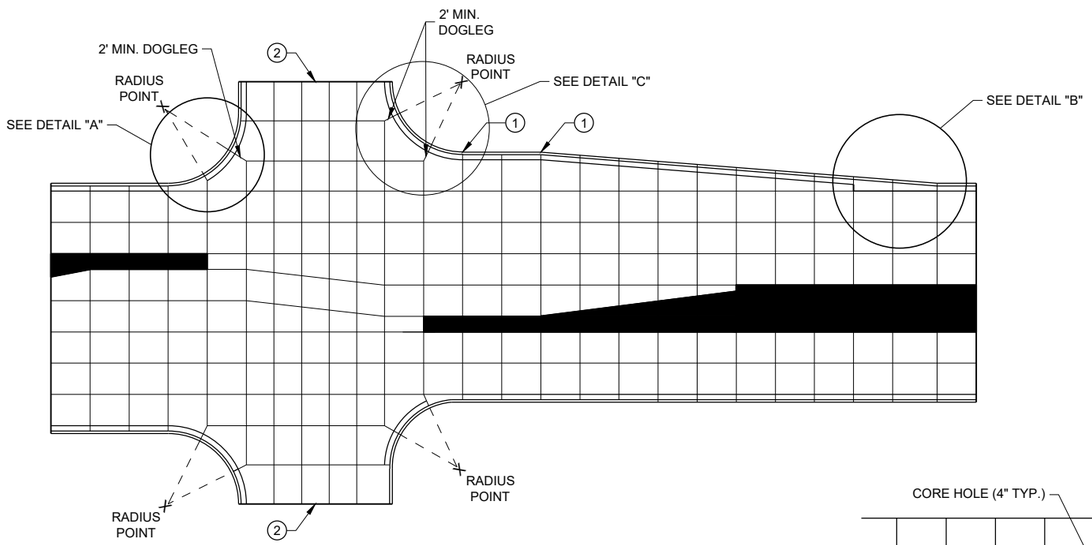
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

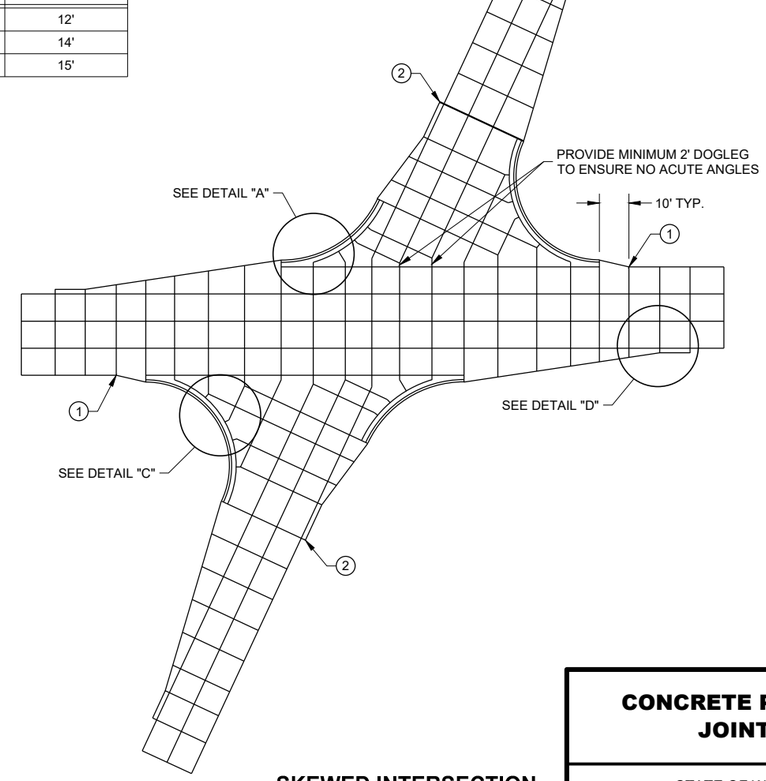
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



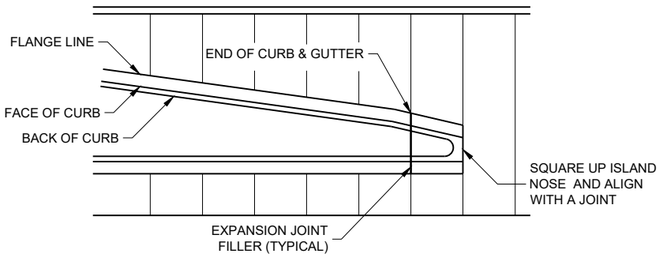
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

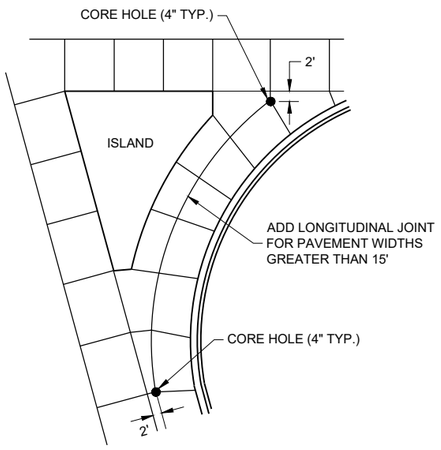
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08a

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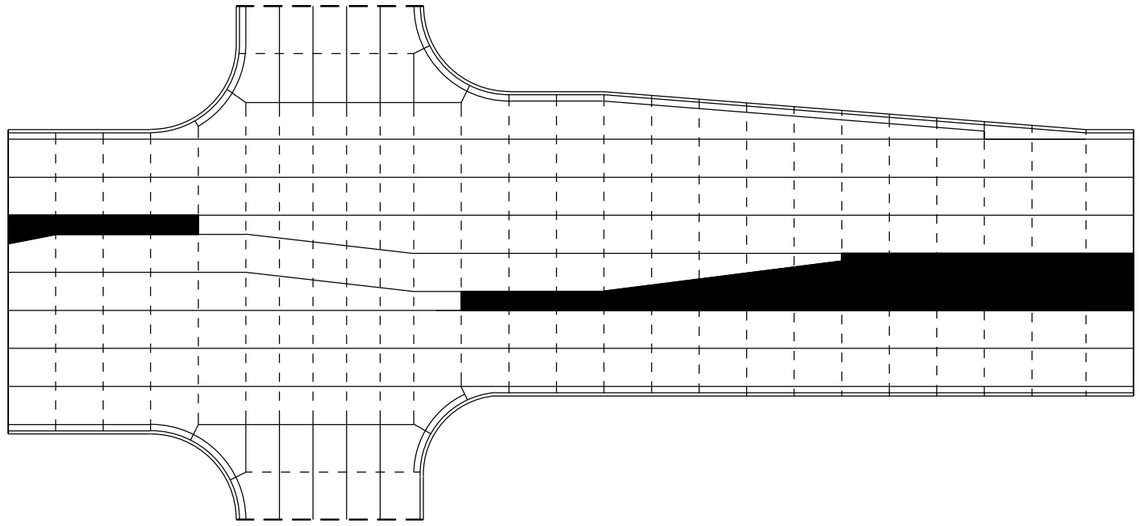
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

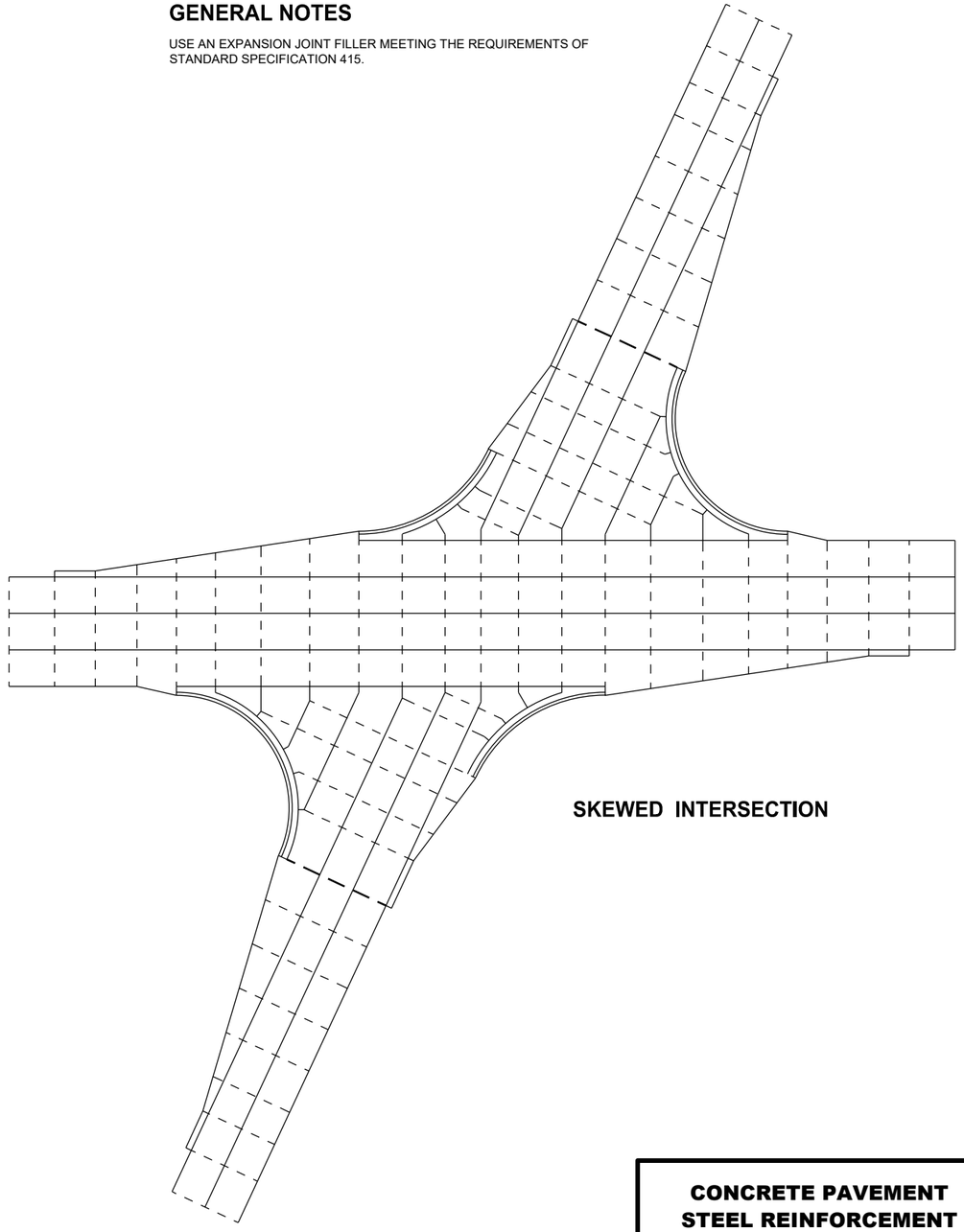
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

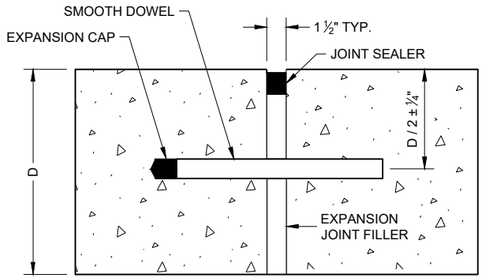
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

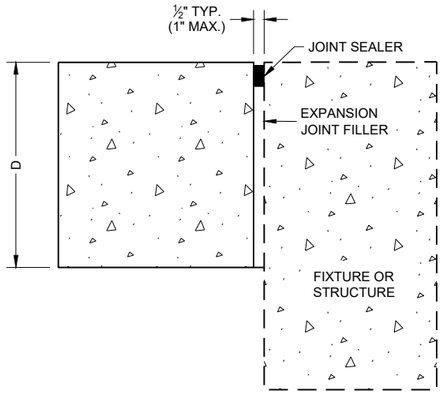
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

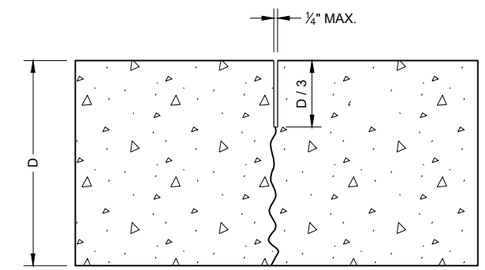
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

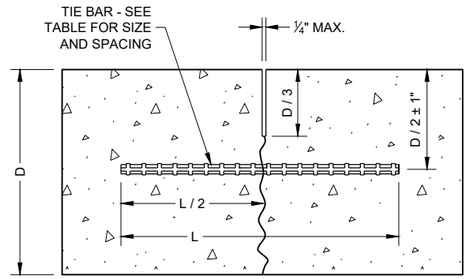
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

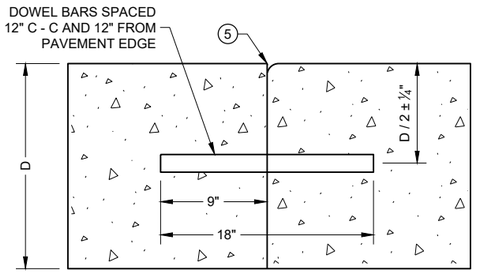
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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.



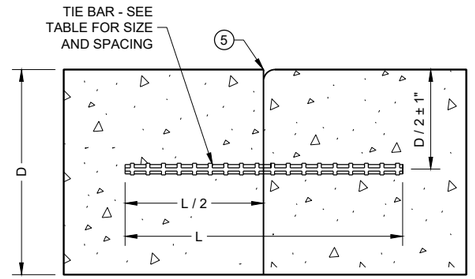
UNDOWELED TRANSVERSE



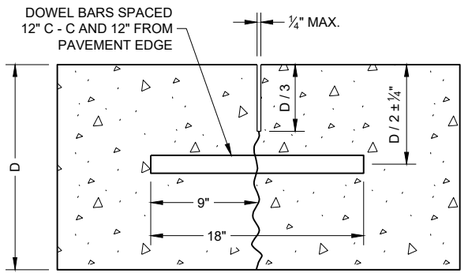
TIED LONGITUDINAL



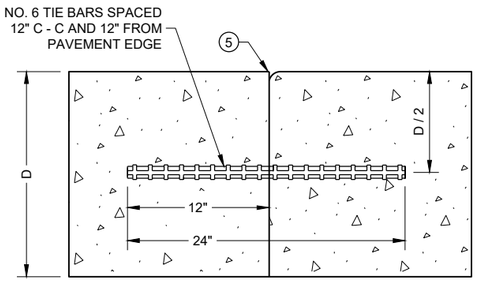
DOWELED TRANSVERSE (3)



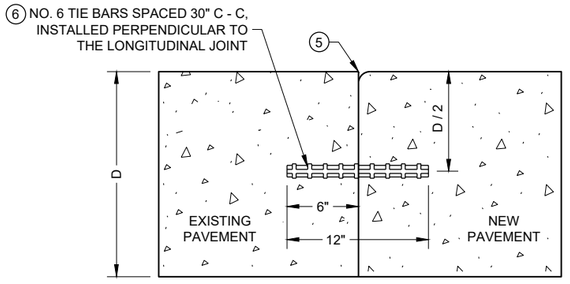
TIED LONGITUDINAL



DOWELED TRANSVERSE



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)

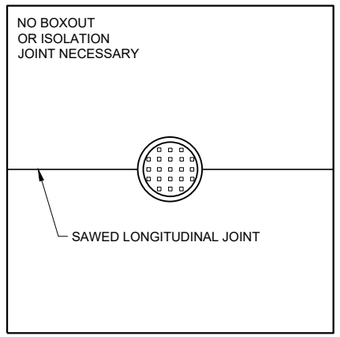


TIED LONGITUDINAL TO EXISTING

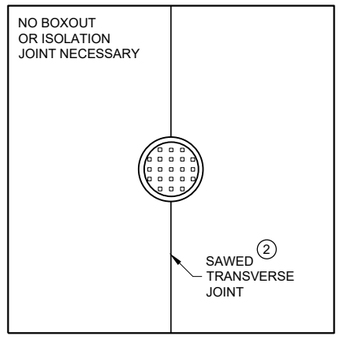
CONTRACTION JOINTS (2)

CONSTRUCTION JOINTS (4)

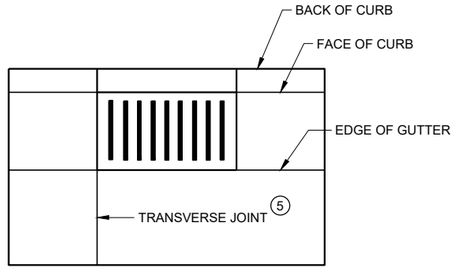
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



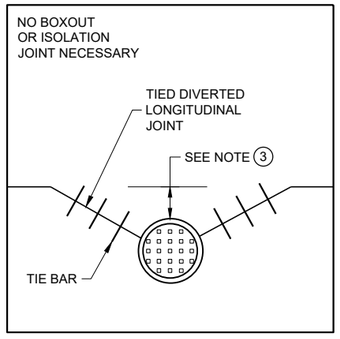
MANHOLE WITH TRANSVERSE JOINT



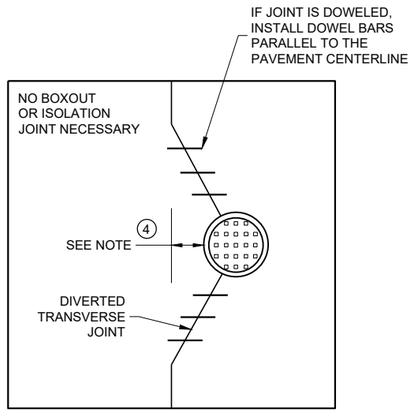
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

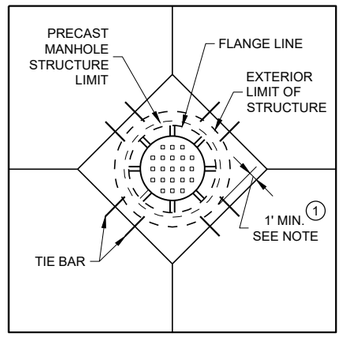
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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 SUPERVISO

FHWA

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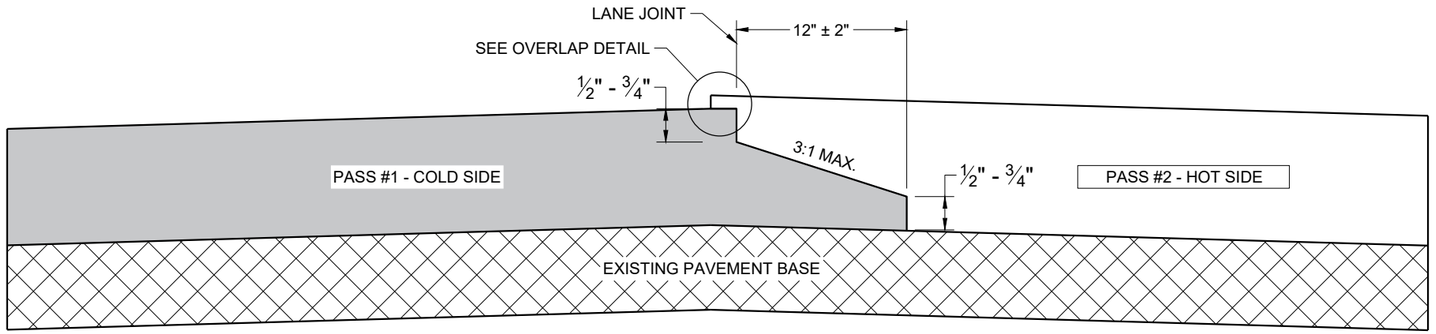
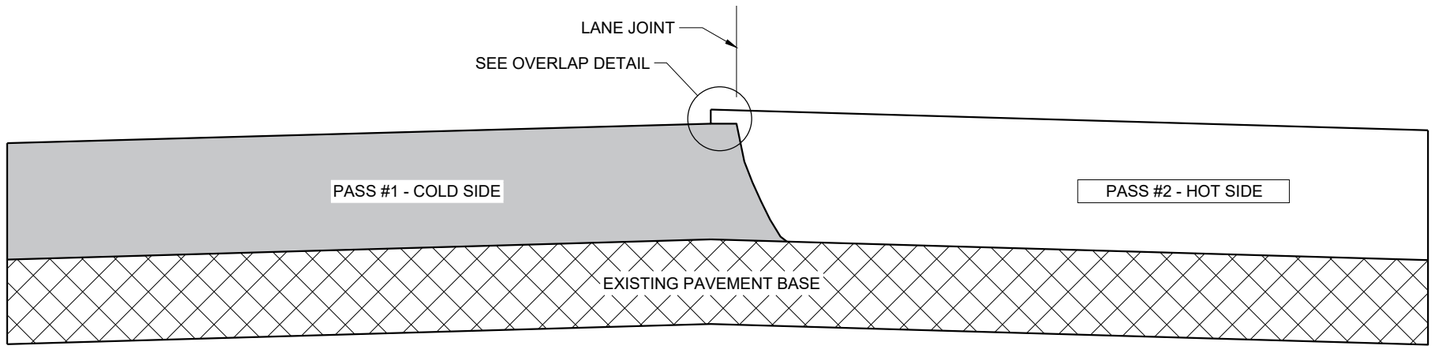
SDD13C18 - 08d

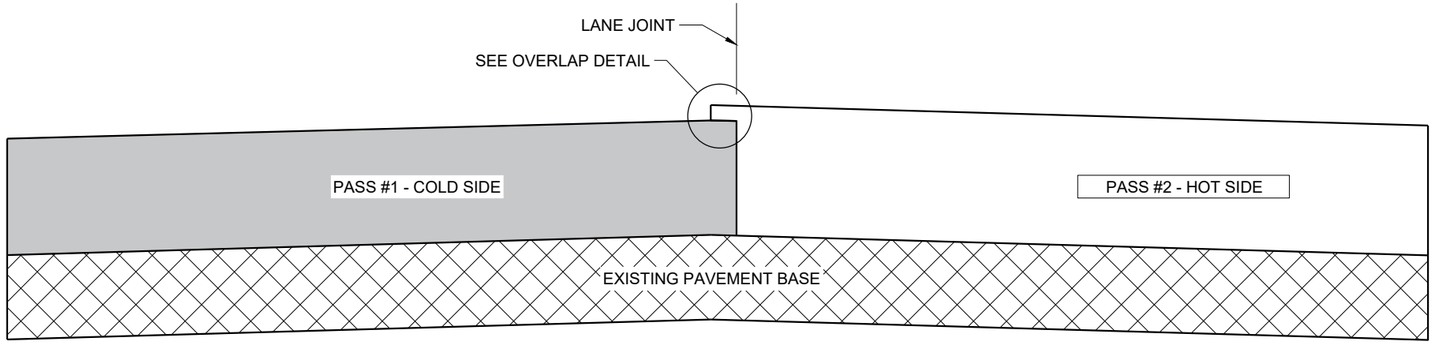
SDD13C18 - 08d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

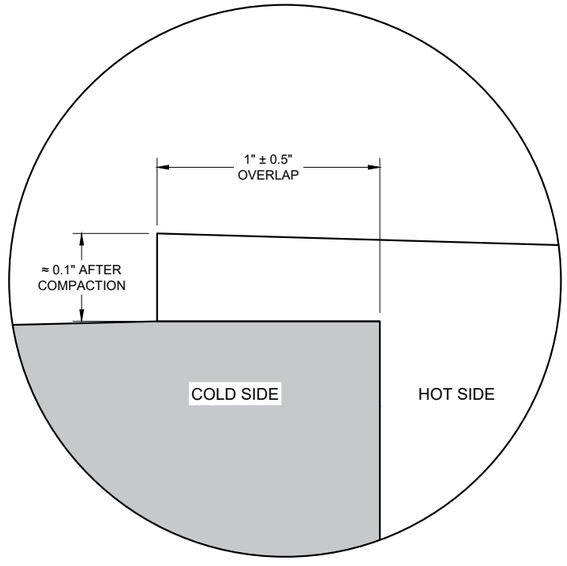
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

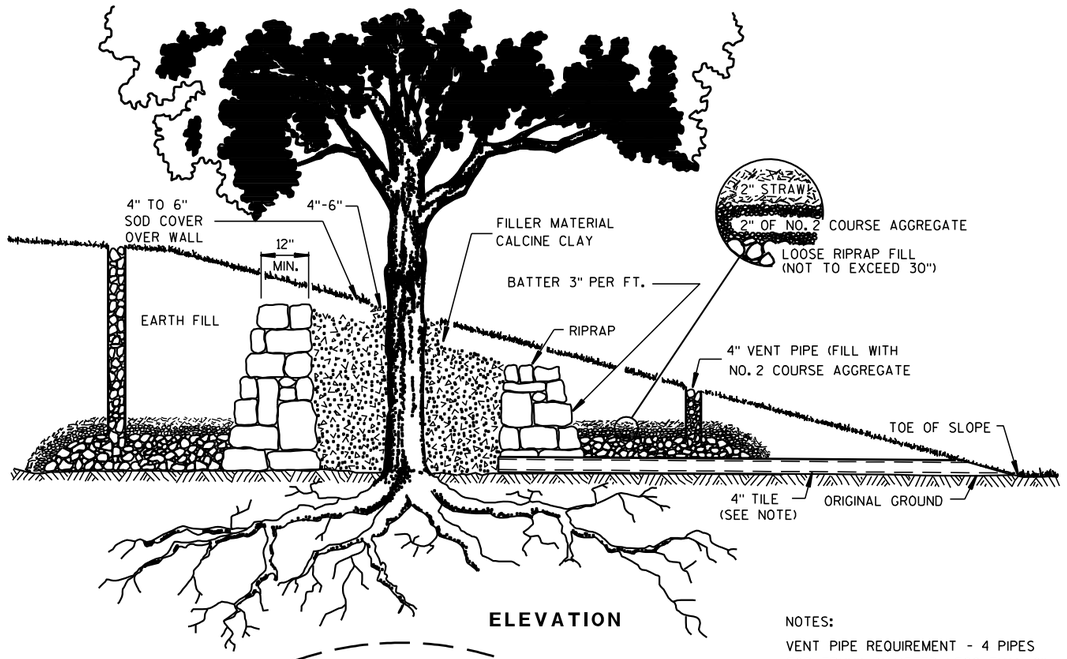
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



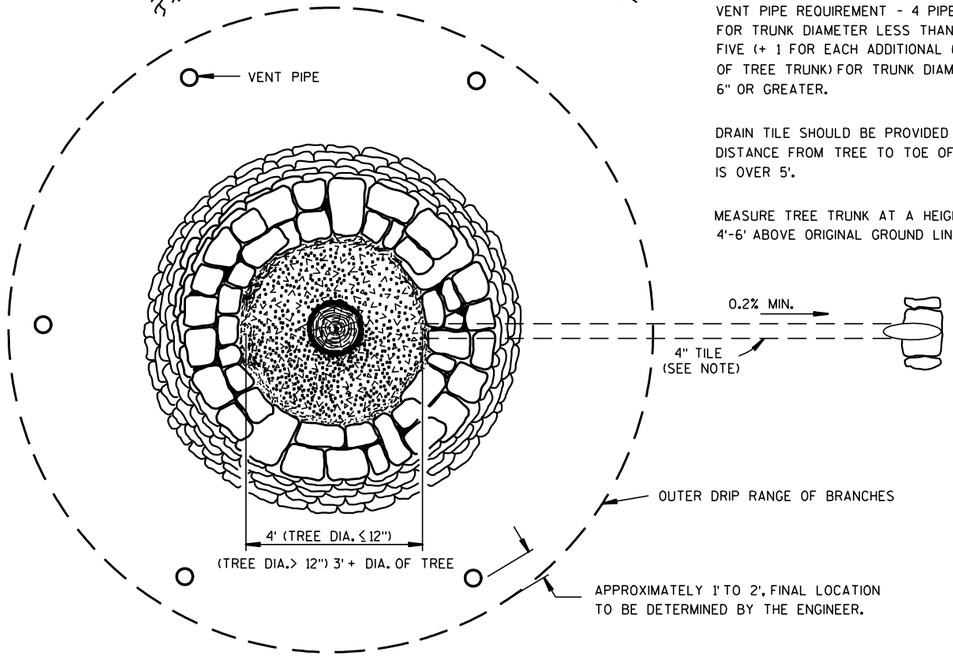
ELEVATION

NOTES:

VENT PIPE REQUIREMENT - 4 PIPES FOR TRUNK DIAMETER LESS THAN 6". FIVE (+ 1 FOR EACH ADDITIONAL 6" OF TREE TRUNK) FOR TRUNK DIAMETER 6" OR GREATER.

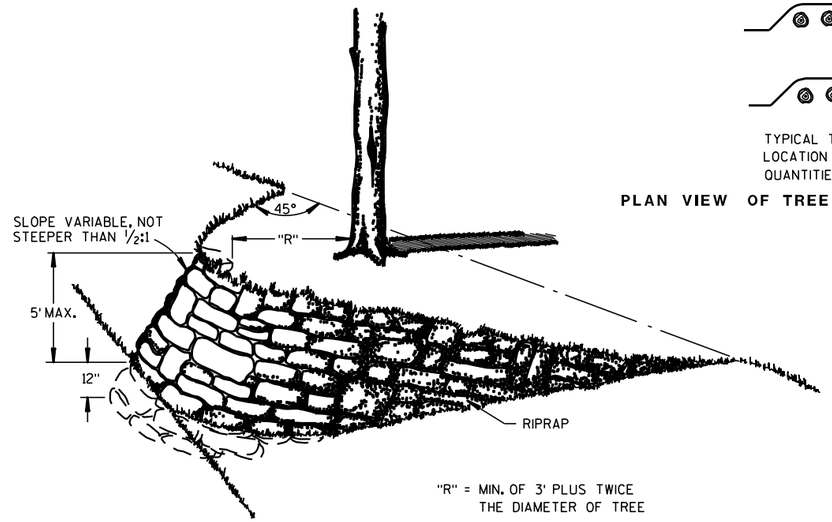
DRAIN TILE SHOULD BE PROVIDED IF DISTANCE FROM TREE TO TOE OF SLOPE IS OVER 5'.

MEASURE TREE TRUNK AT A HEIGHT 4'-6' ABOVE ORIGINAL GROUND LINE.



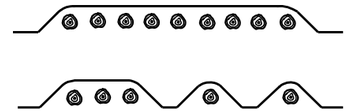
PLAN

FULL TREE WELL WITH RIPRAP WALL



"R" = MIN. OF 3' PLUS TWICE THE DIAMETER OF TREE

DETAILS OF TREE ISLAND AND ROOT PROTECTION



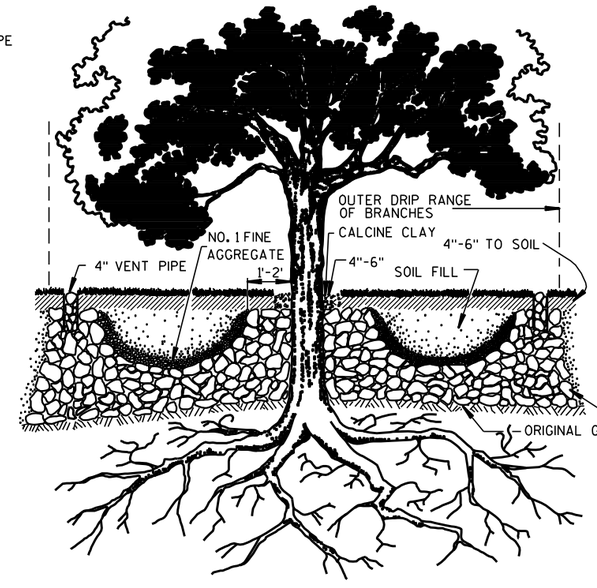
TYPICAL TREATMENTS OF ROOT PROTECTION. LOCATION SHOWN ON MISCELLANEOUS QUANTITIES SHEET.

PLAN VIEW OF TREE ISLANDS FOR ONE OR MORE TREES

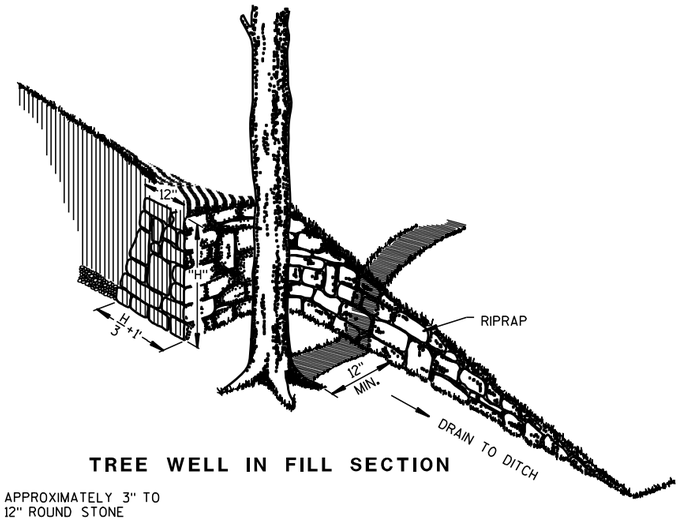
GENERAL NOTES

WALLS TO BE BUILT TO APPROXIMATE SHAPE AND DIMENSIONS SHOWN. STONE TO CONFORM TO SPECIFICATIONS FOR RIPRAP.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.



TREE WELL WITHOUT WALL



TREE WELL IN FILL SECTION

DETAILS FOR TREE WELLS

TREE PRESERVATION DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/25/76 DATE
/S/ D. L. Strand STATE DESIGN ENGINEER
229
WYS
FHWA

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S.D.D. 14 A 1-3

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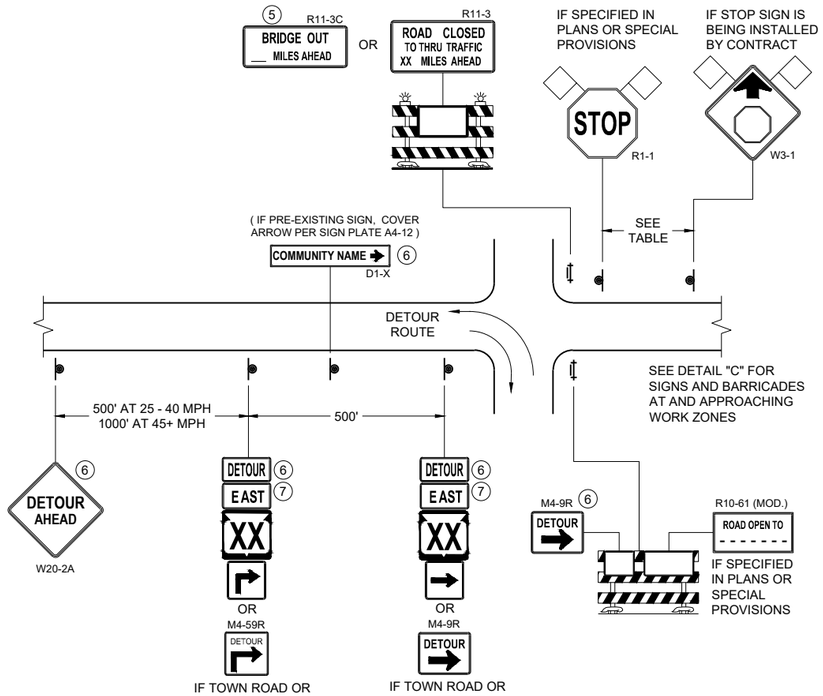
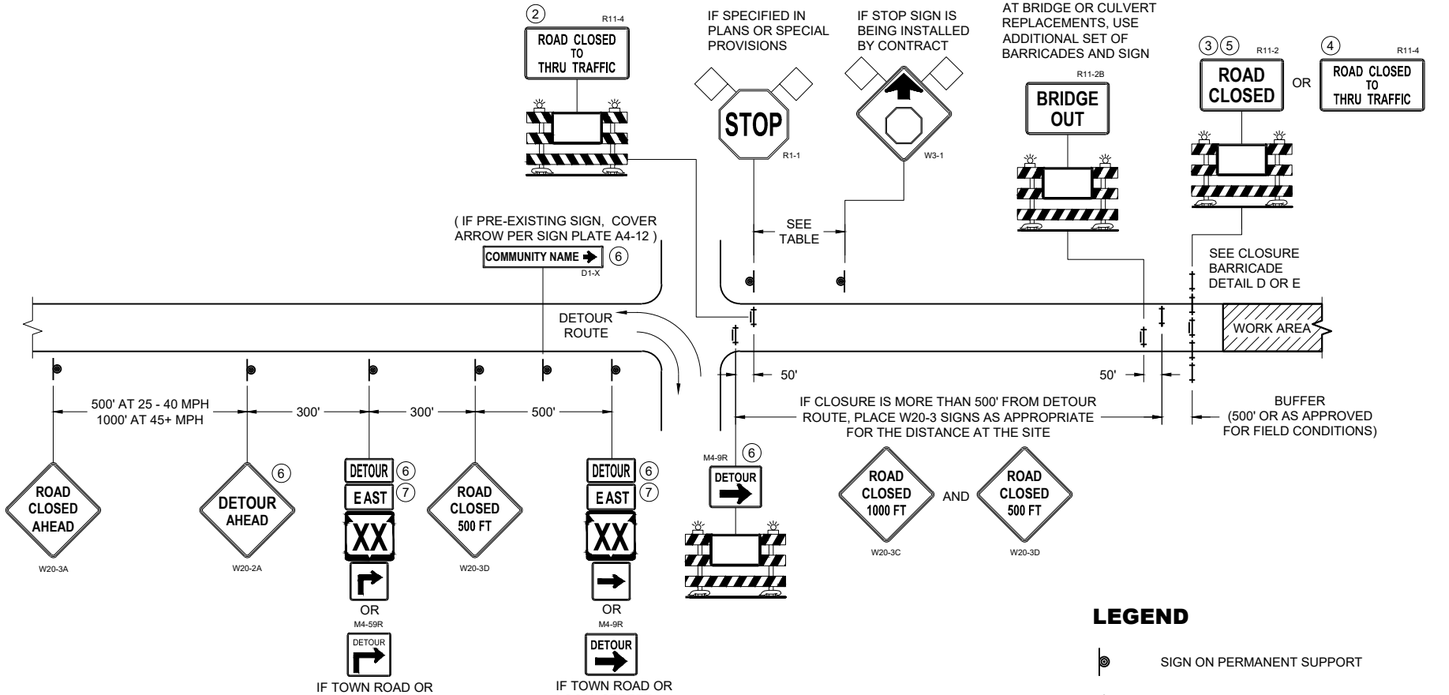
S.D.D. 14 A 1-3



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)

LEGEND

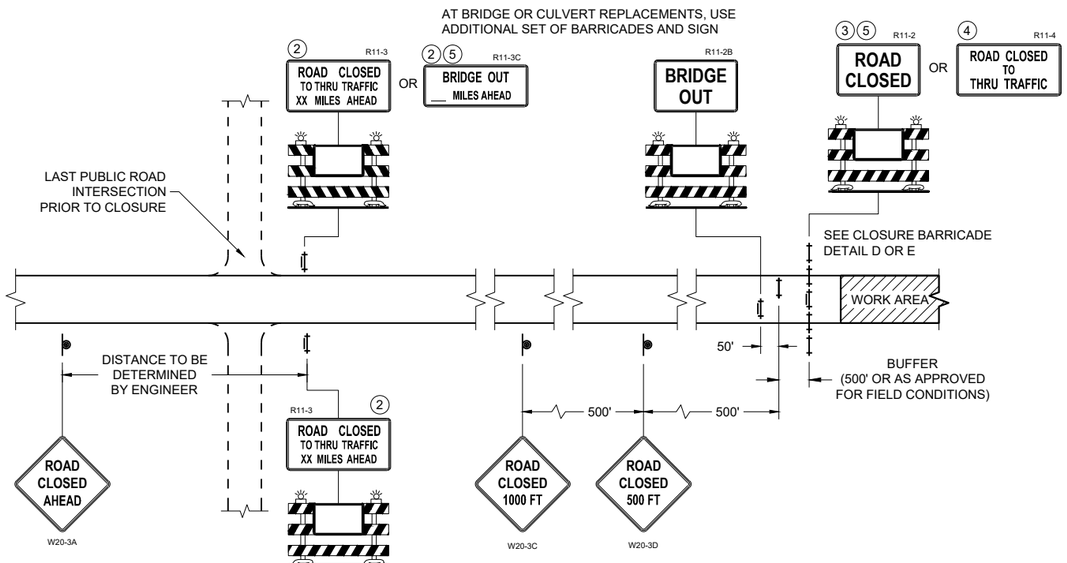
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8

EAST M3 - X

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M06 - 1



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)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEER

FHWA

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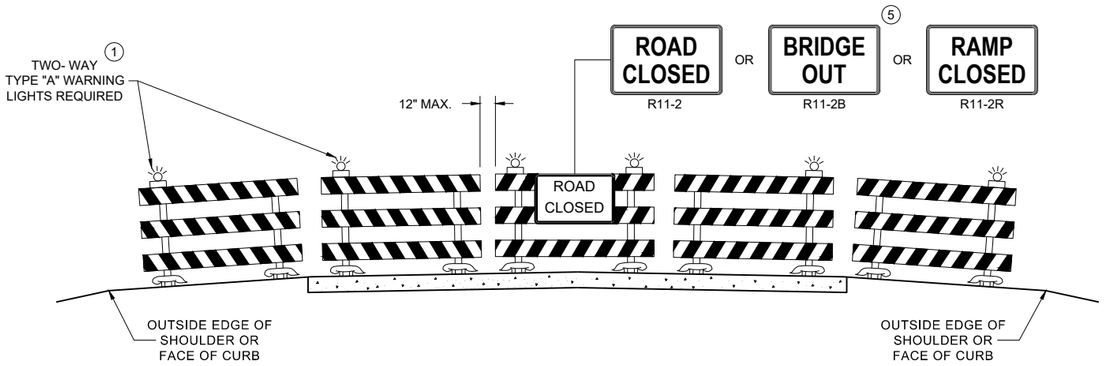
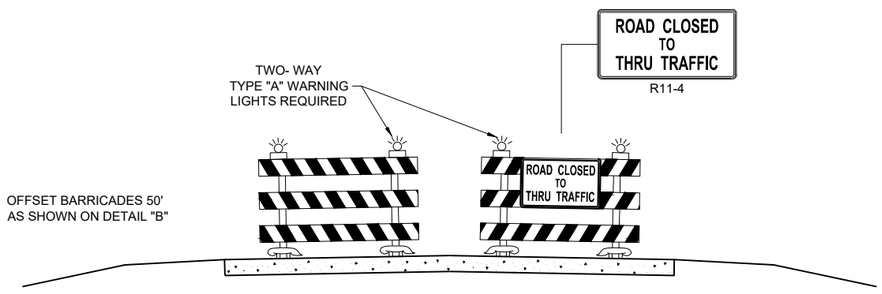
SDD 15C02-10a



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.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.

"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"

SIGNS PLACED ON TYPE III BARRICADES THAT ARE SIZES OTHER THAN 48"X30" SHALL HAVE A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE.

(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
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15C02-10b

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.

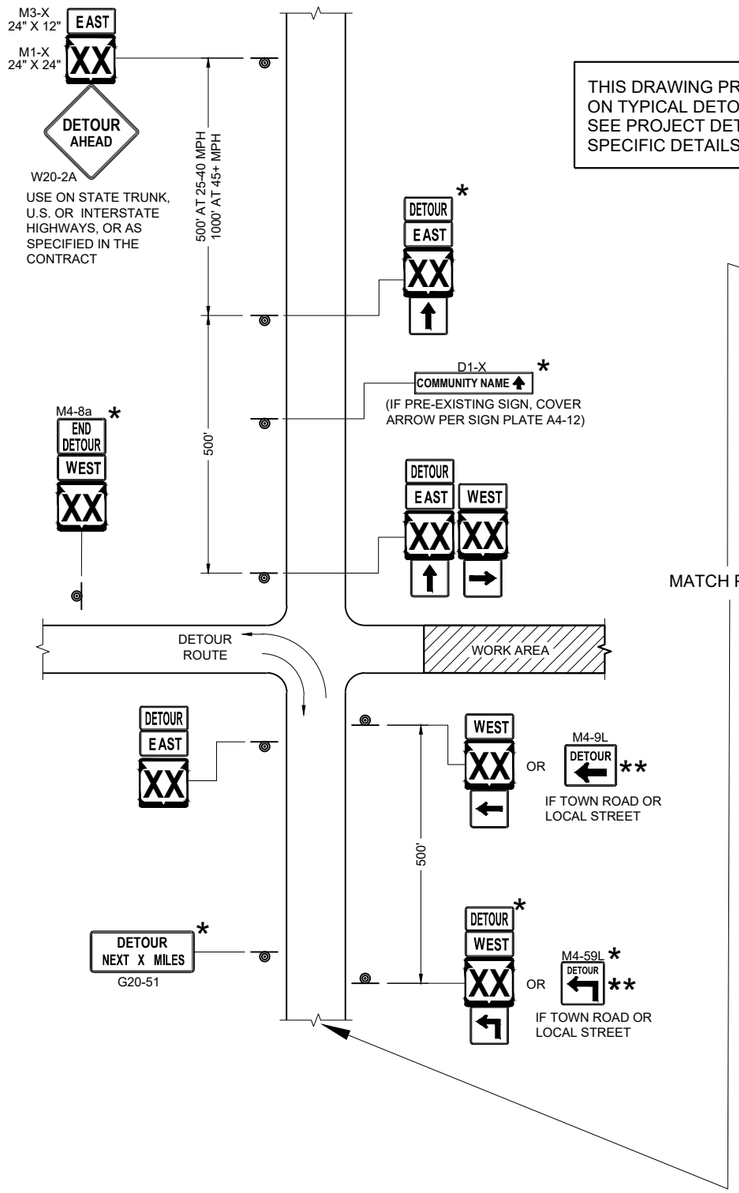
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

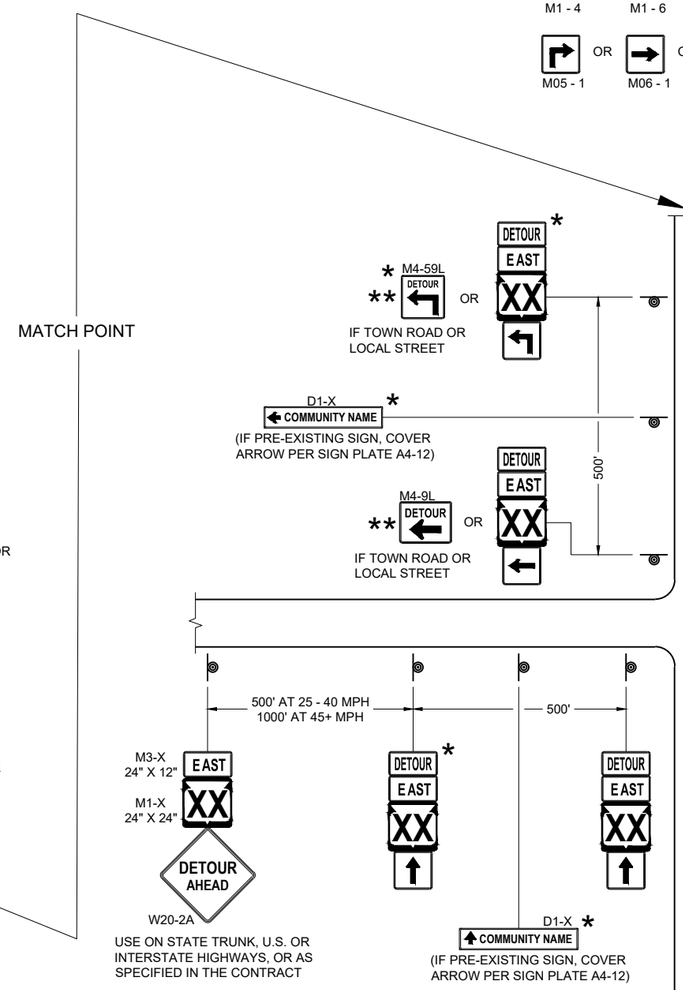
SIGN SIZES SHALL BE AS FOLLOWS:

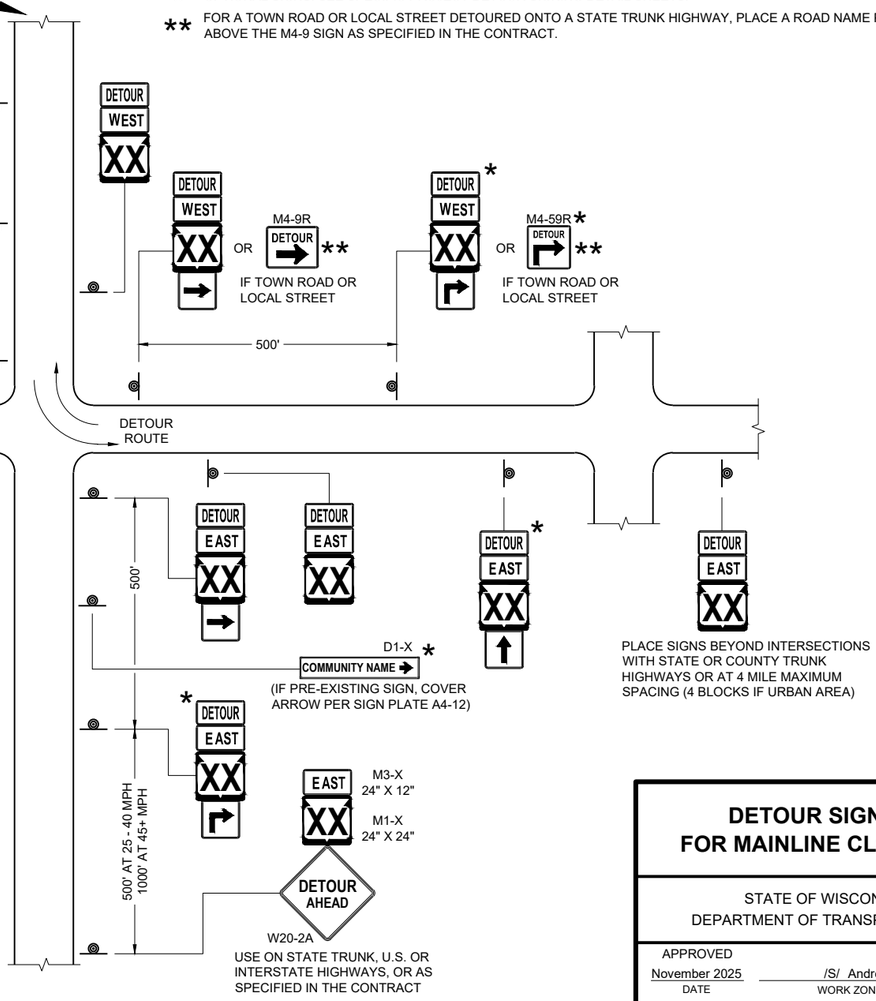
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING 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"

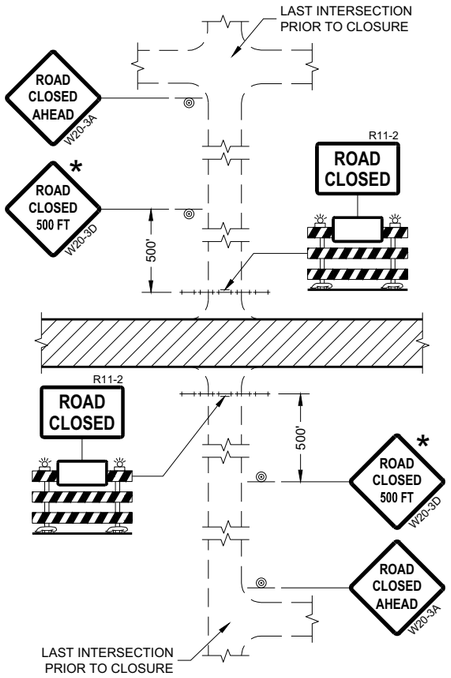
DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

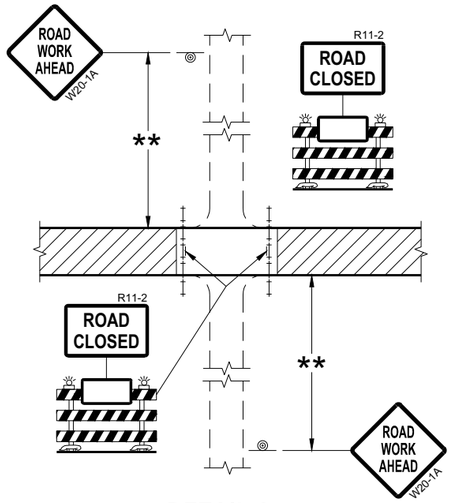
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

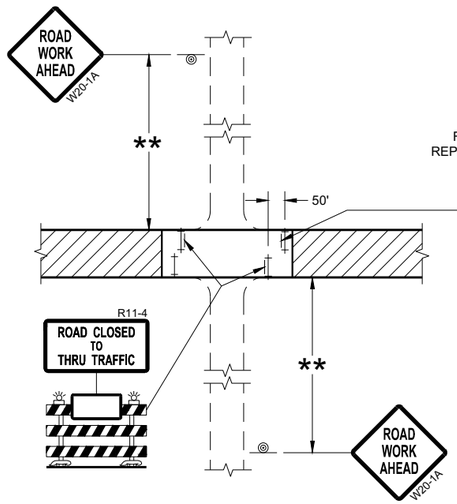
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

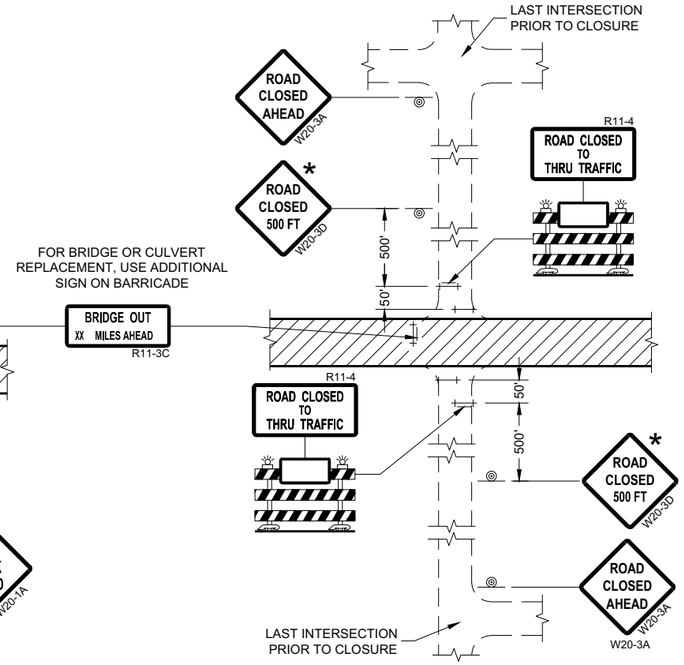
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

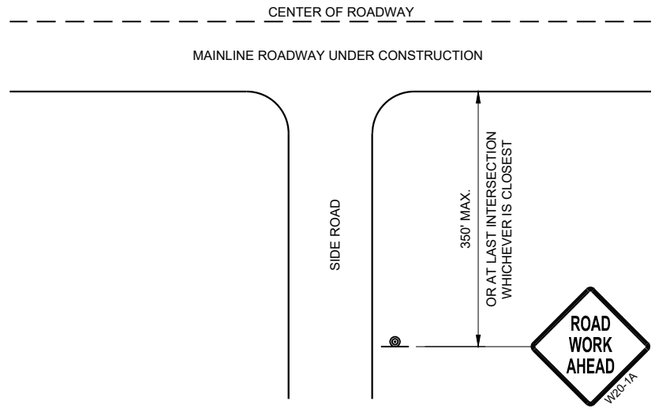
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



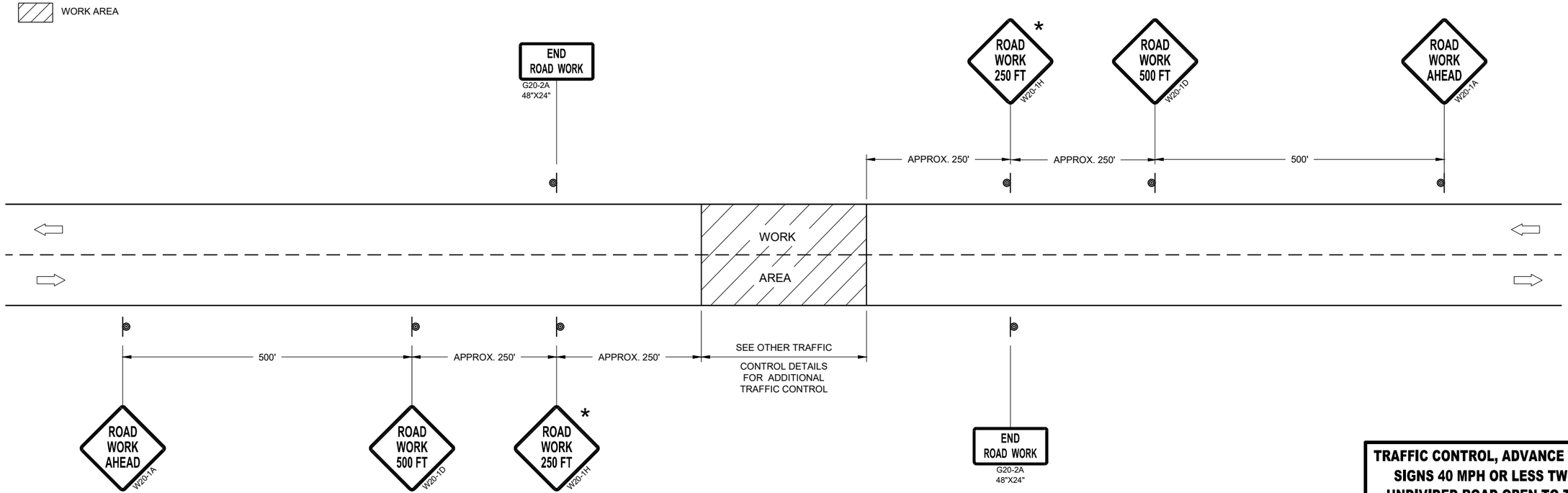
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

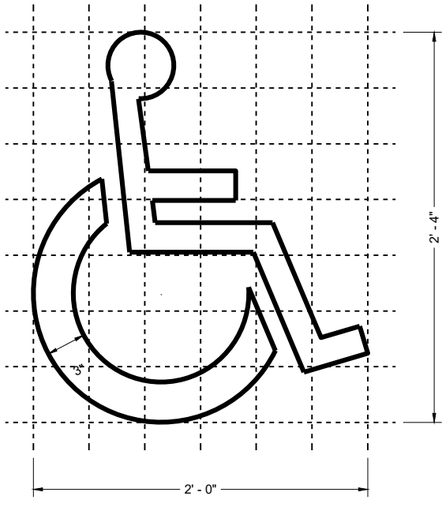
FHWA

6

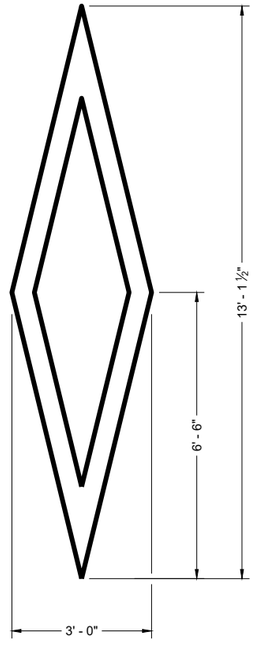
SDD 15C05 - 05

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.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

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SDD 15C07-16a

SDD 15C07-16a

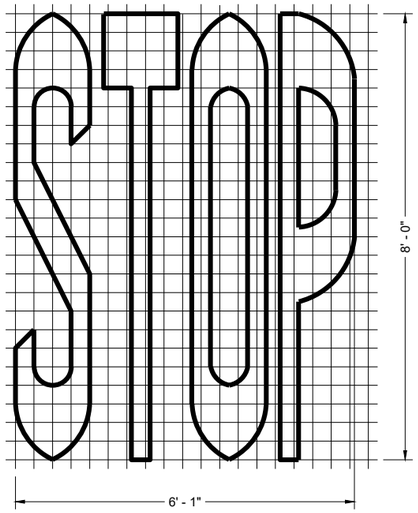
PAVEMENT MARKING SYMBOLS

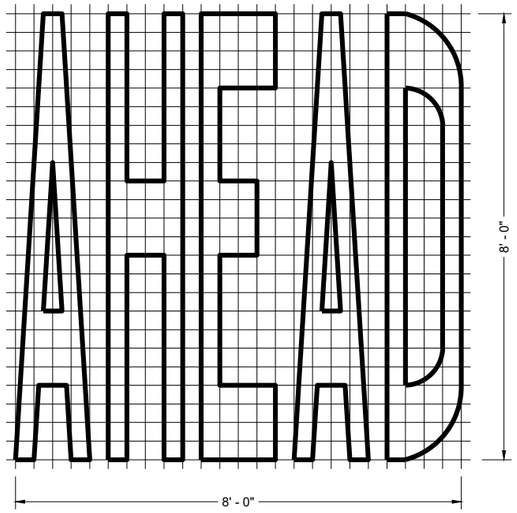
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

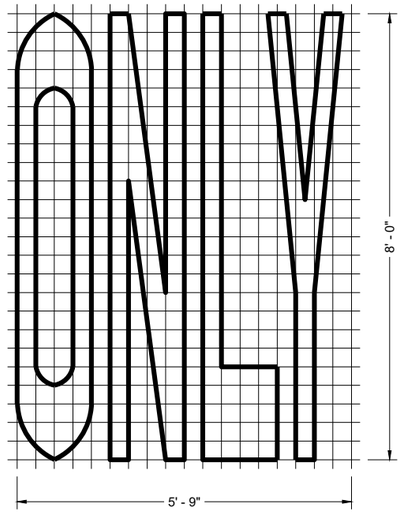
APPROVED
November 2024
DATE

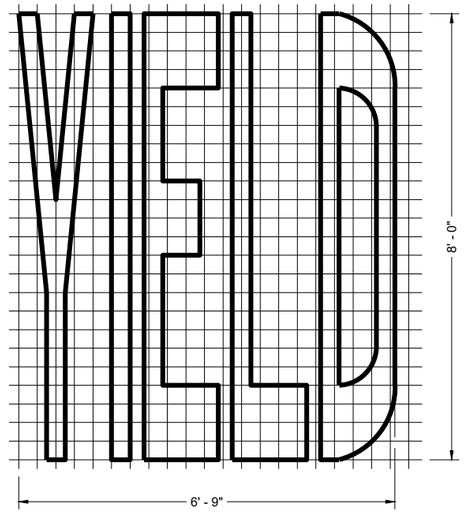
/S/ Jeannie Silver
STATE SIGNING AND MARKING ENGINEER

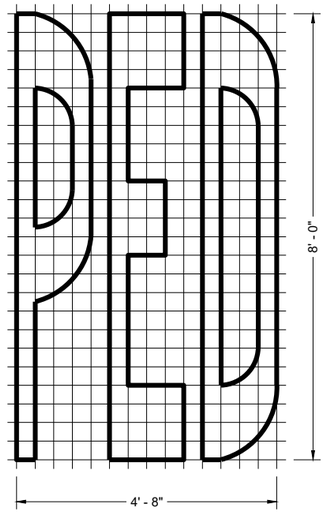
FHWA

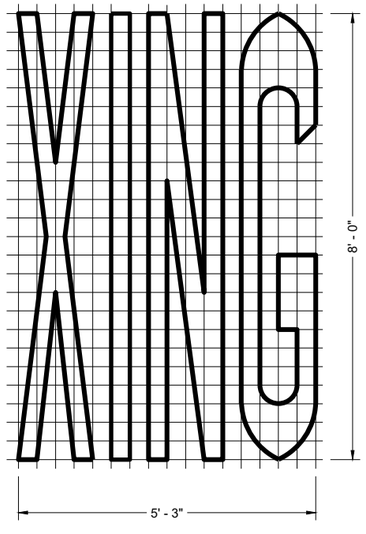


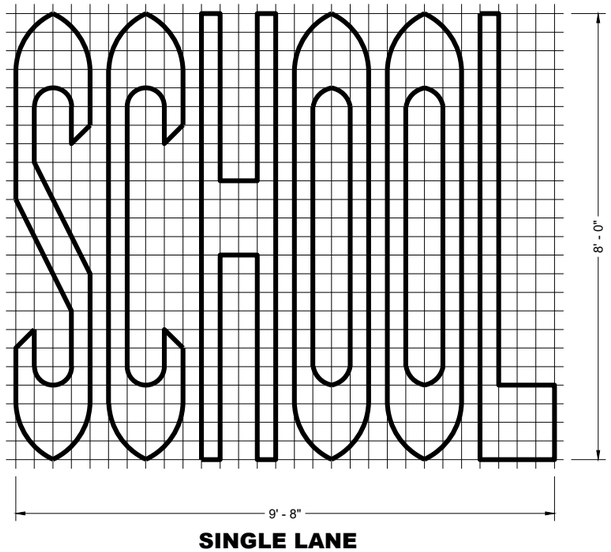




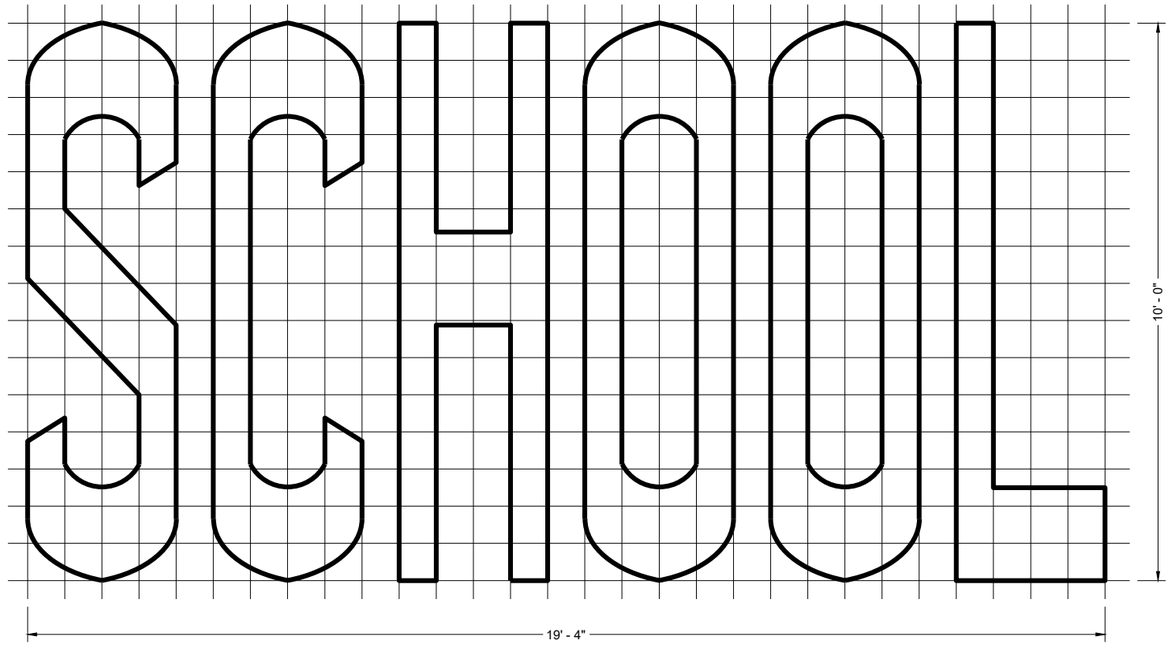








SINGLE LANE



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

6

SDD 15C07-16b

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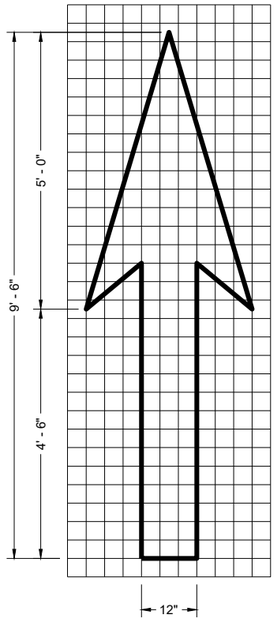
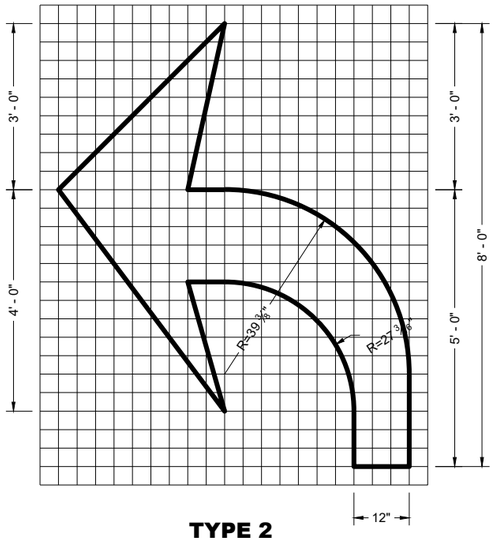
SDD 15C07-16b

GENERAL NOTES

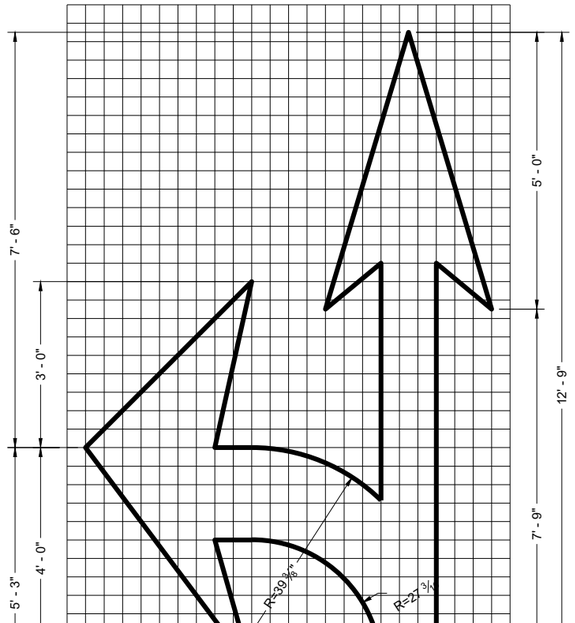
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 1



TYPE 2



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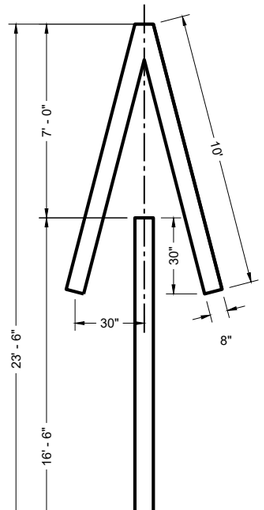
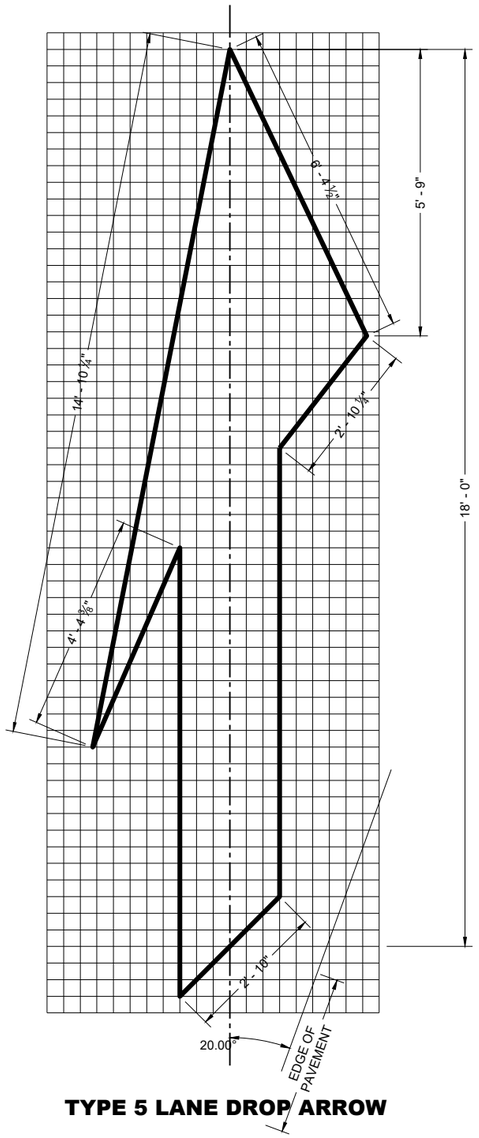
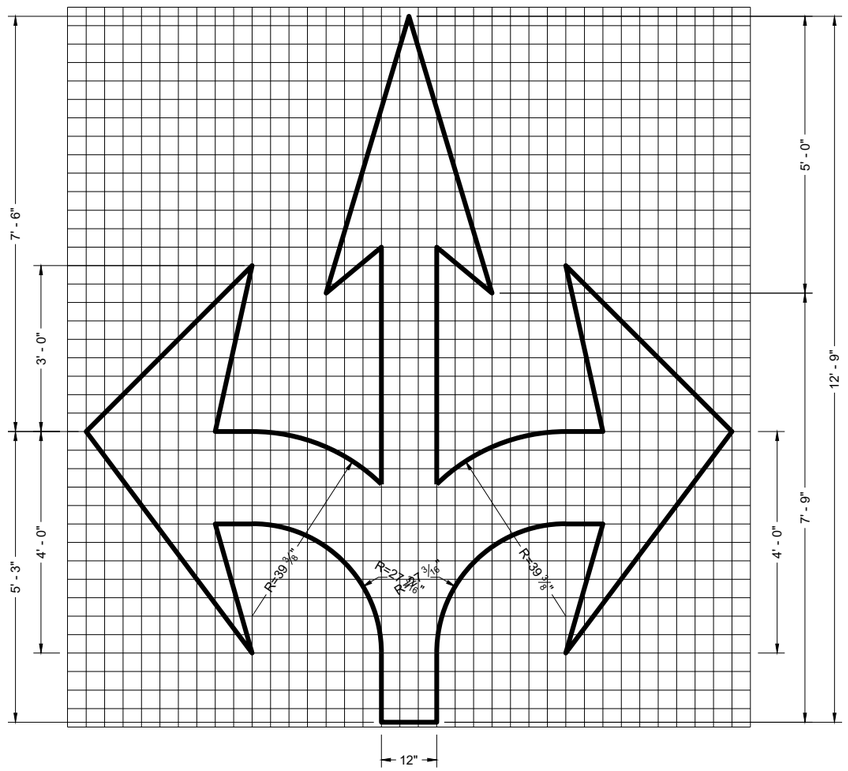


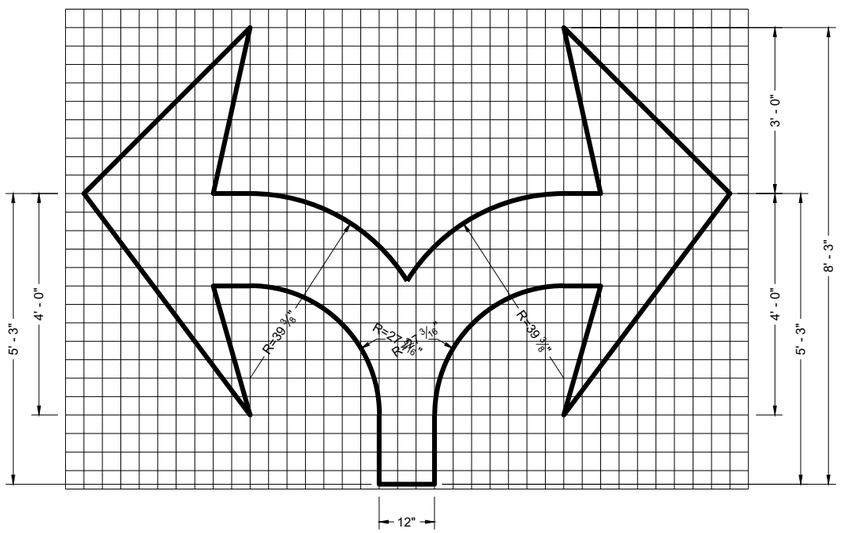
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

SDD 15C07-16c

6

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.

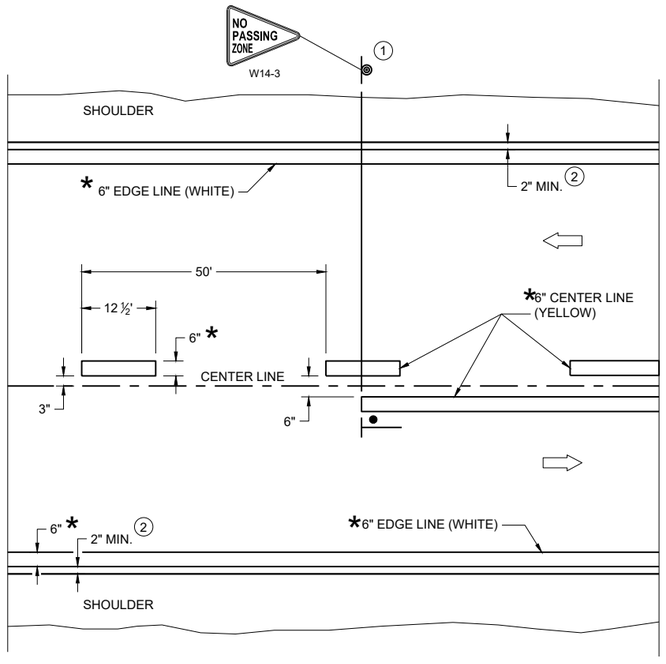
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

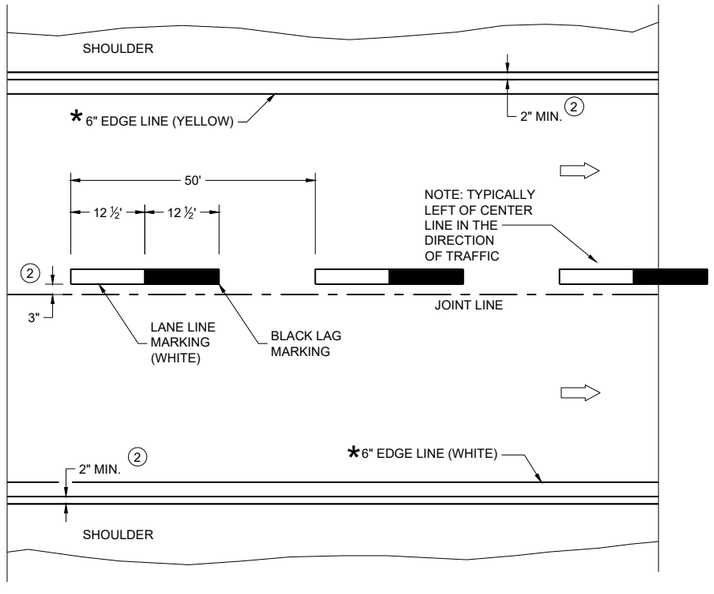
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

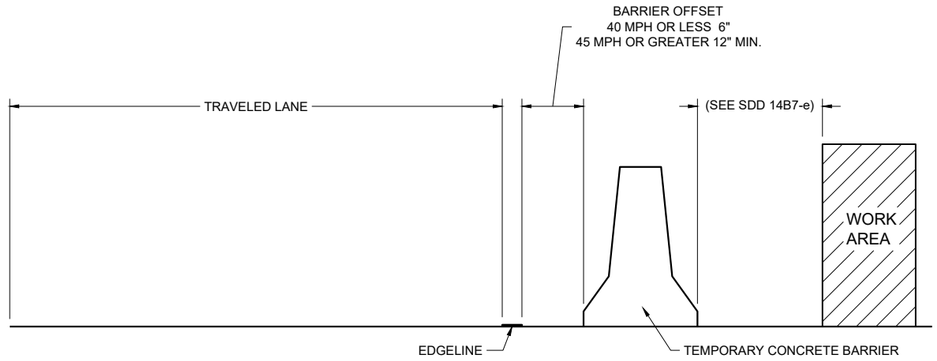
APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

SDD 15C08-24a

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

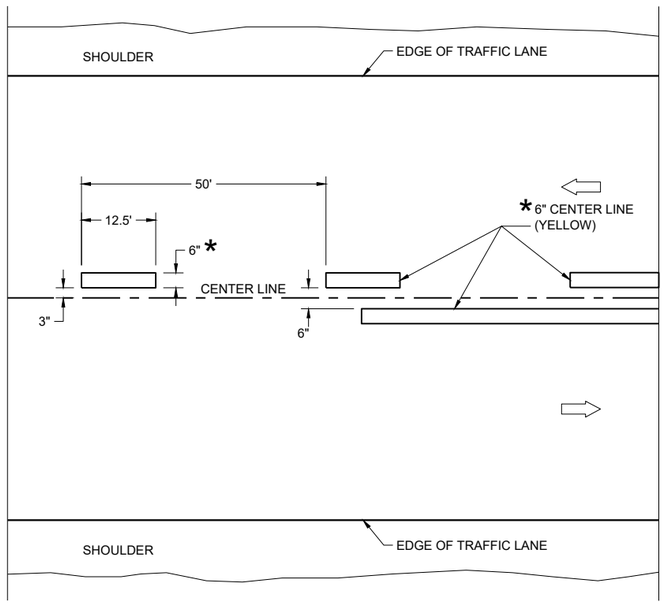
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

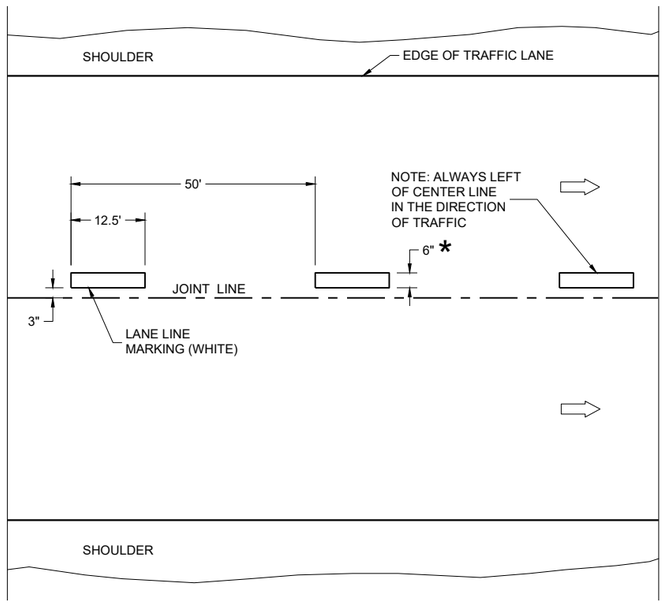
LEGEND

DIRECTION OF TRAFFIC

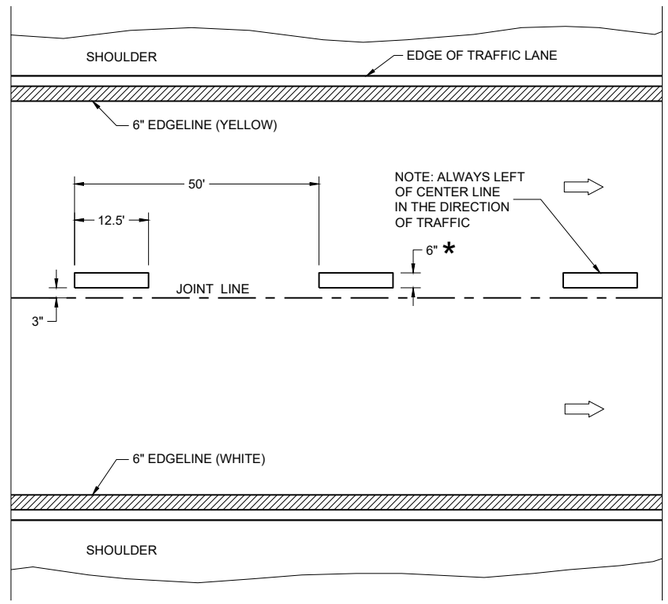
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



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

6

SDD 15C08-24b

6

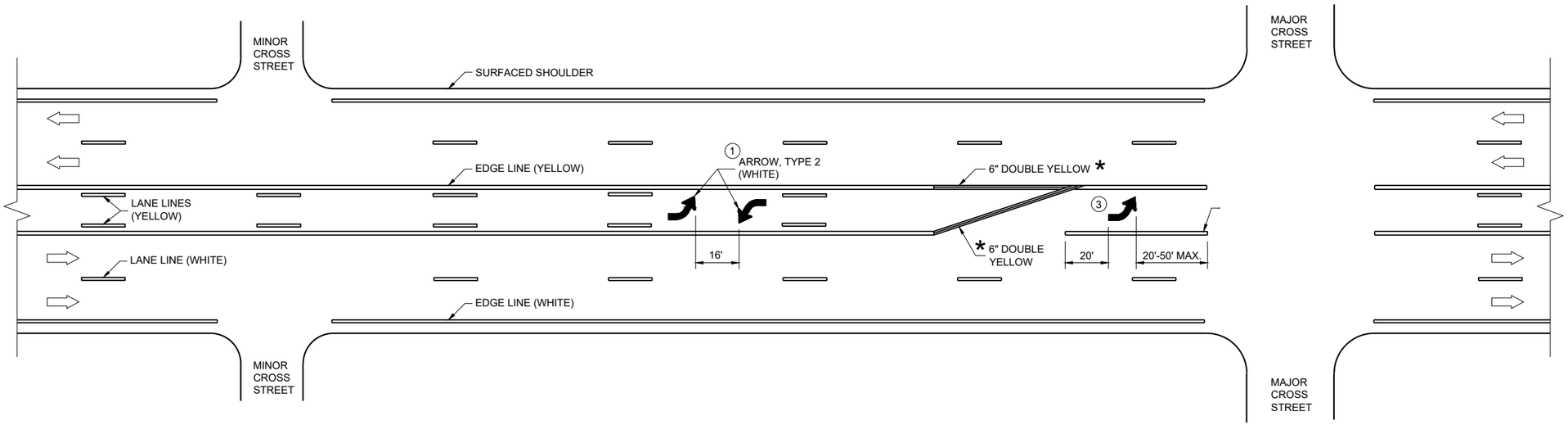
SDD 15C08-24b

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



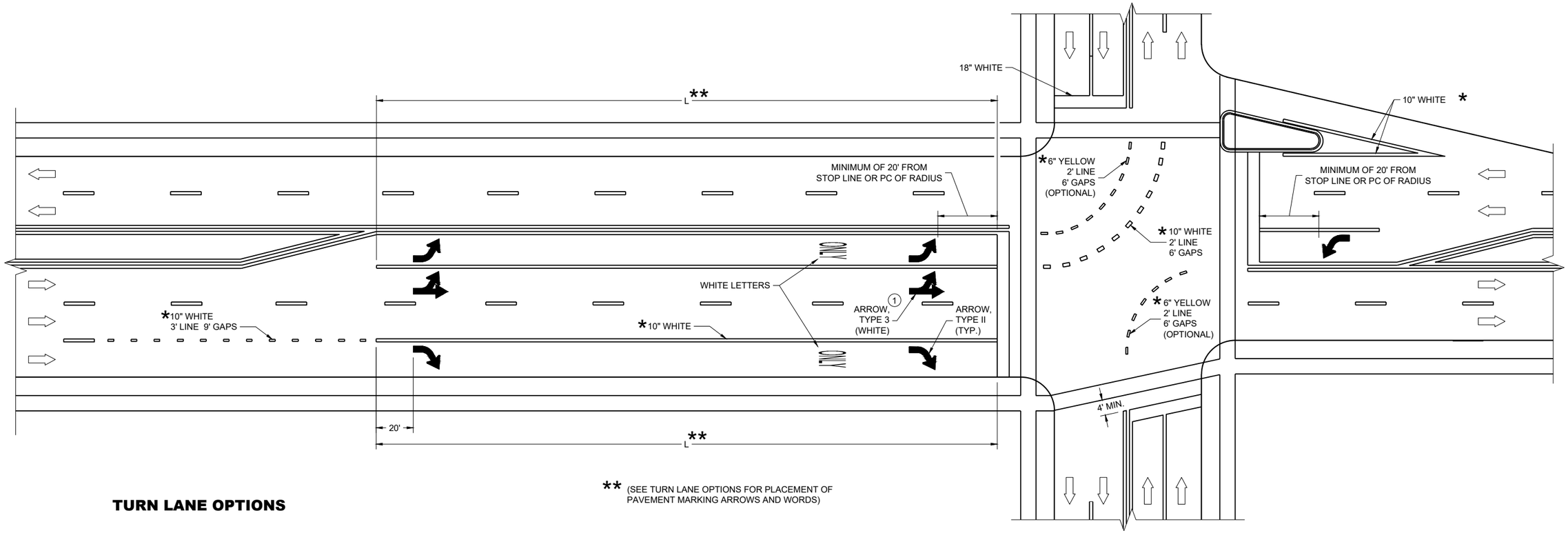
TWO WAY LEFT TURN LANE

6

SDD 15C08-24c

PAVEMENT MARKING (TURN LANES)

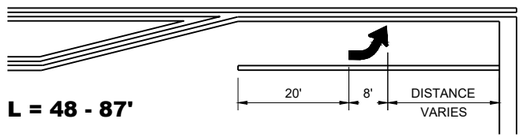
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



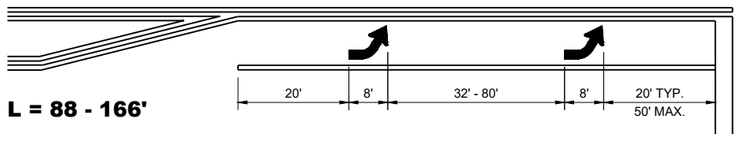
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

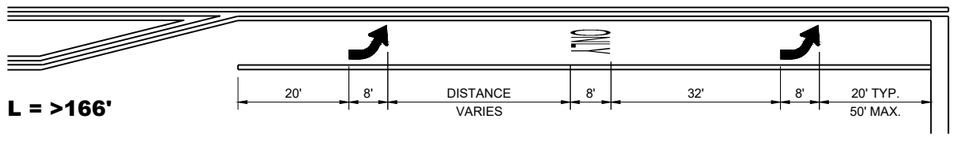
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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.

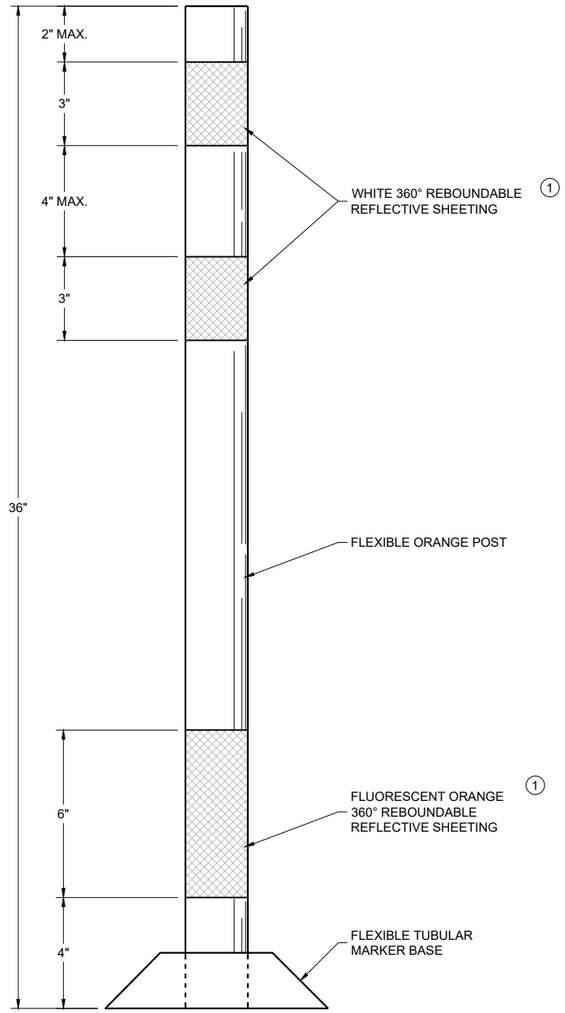
⇨ DIRECTION OF TRAFFIC

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.

6

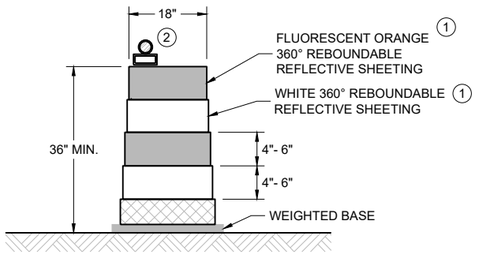
CHANNELIZING DEVICES
FLEXIBLE TUBULAR
MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

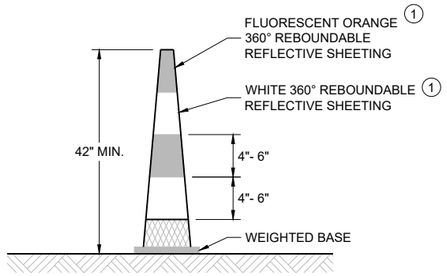
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

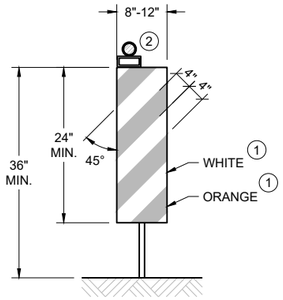
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

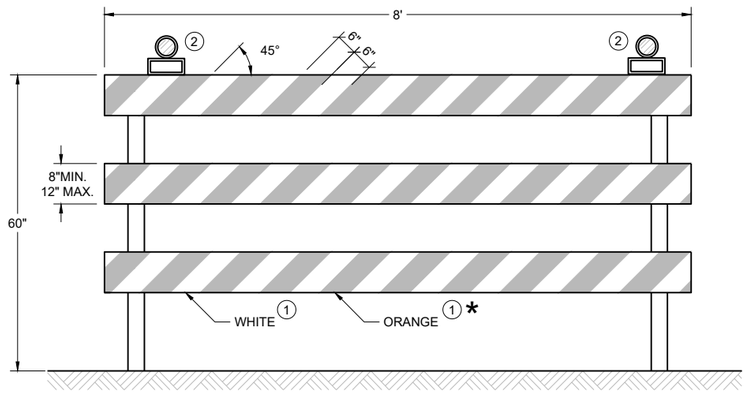
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 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
February 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15C11-11b

SDD 15C11-11b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

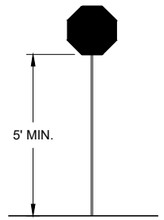
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



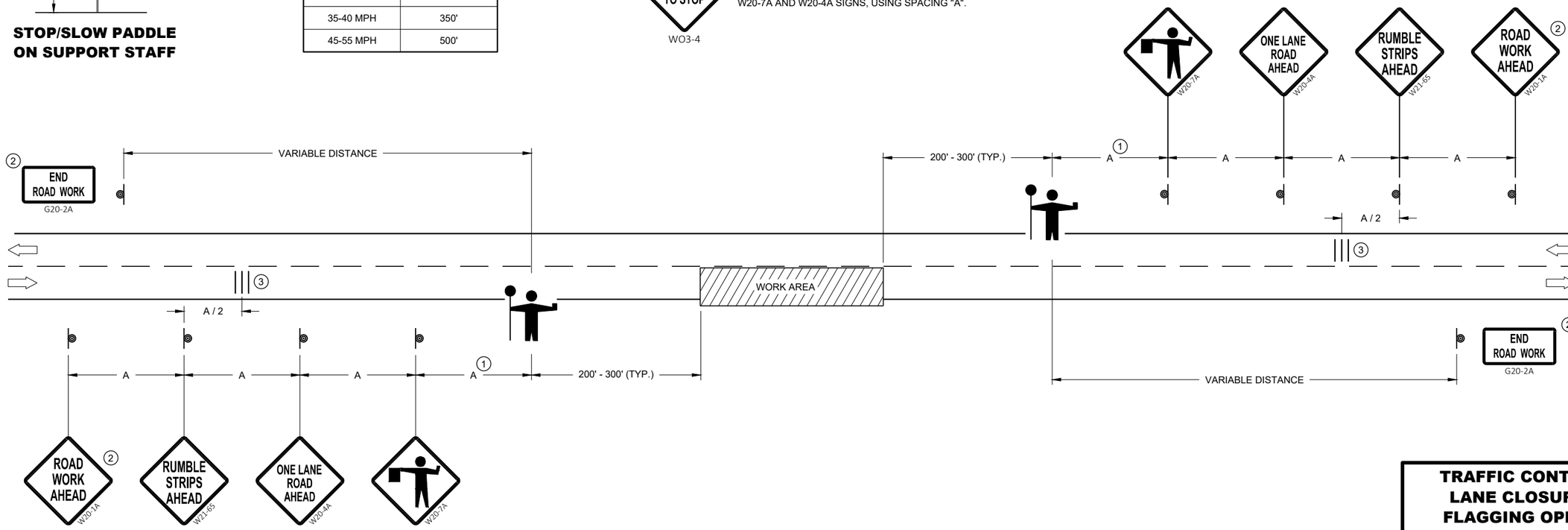
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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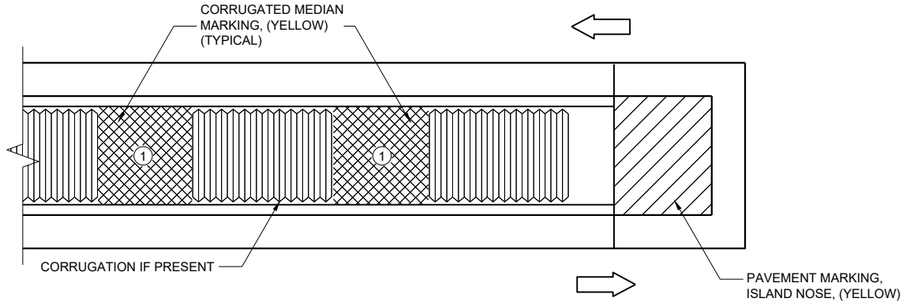
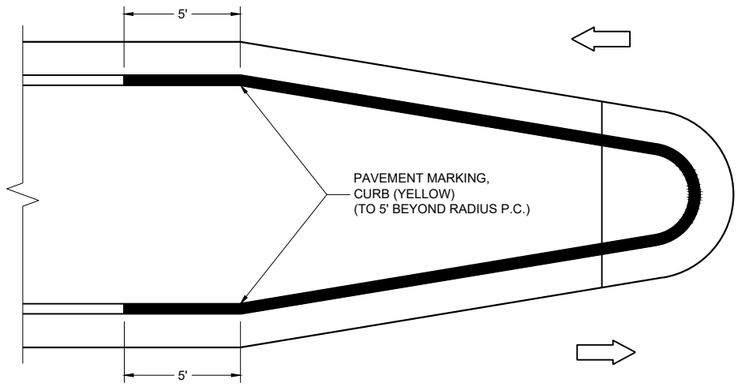
SDD 15C12 - 09a

6

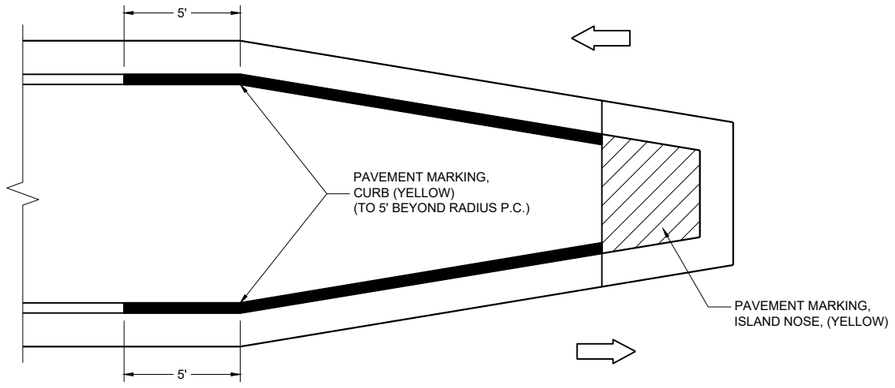
SDD 15C12 - 09a



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.

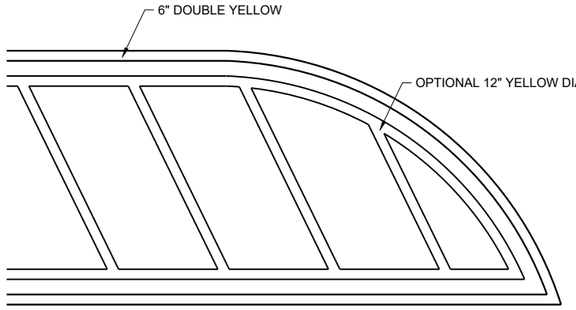
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

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

6

SDD 15C18-09b

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.

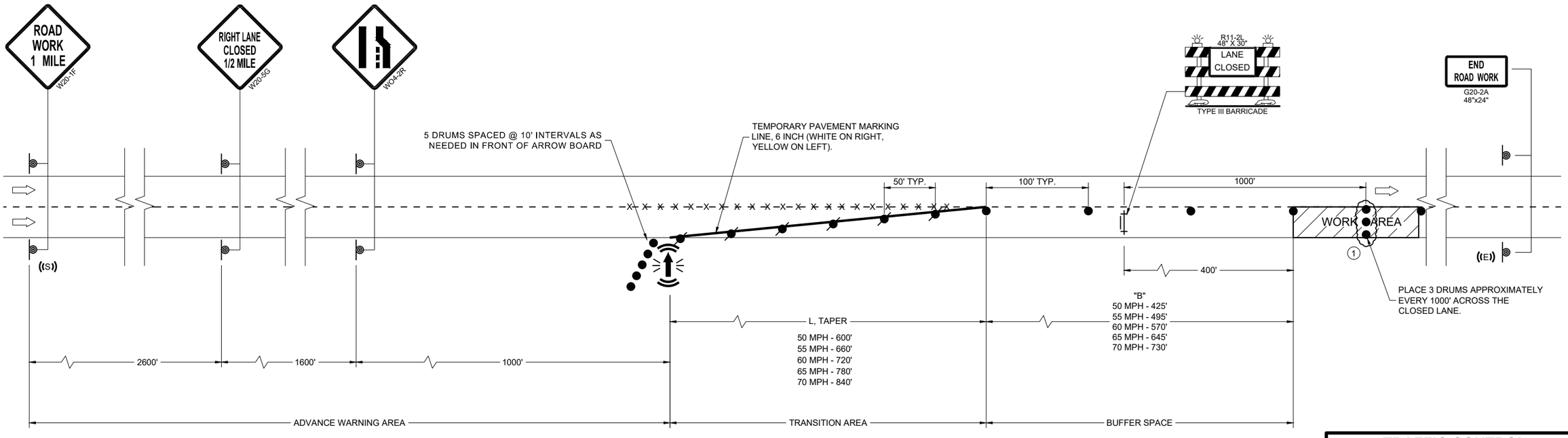
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE 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
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2026 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 15D12-17a

6

SDD 15D12-17a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

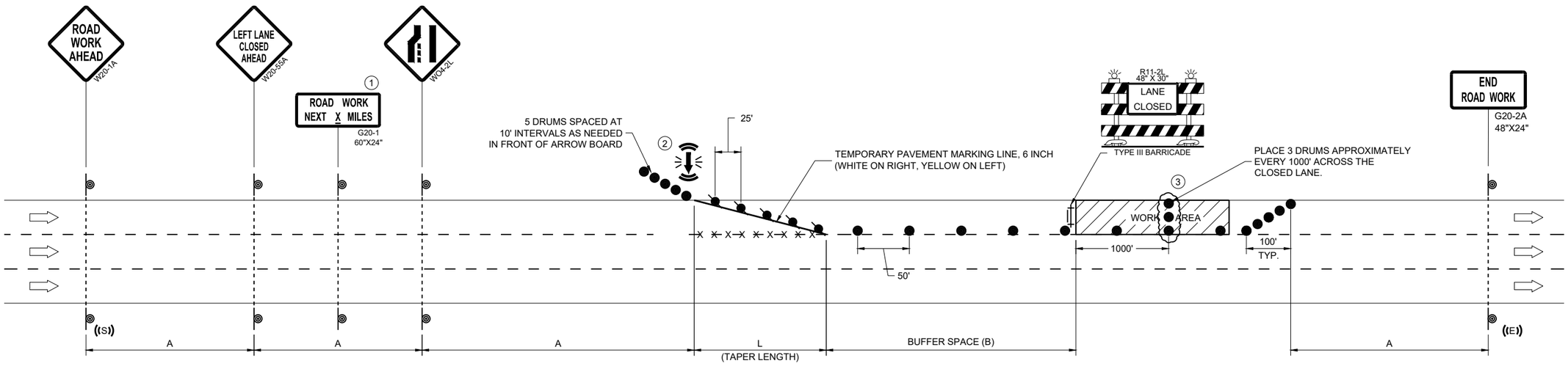
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.

(3) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D20-12a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

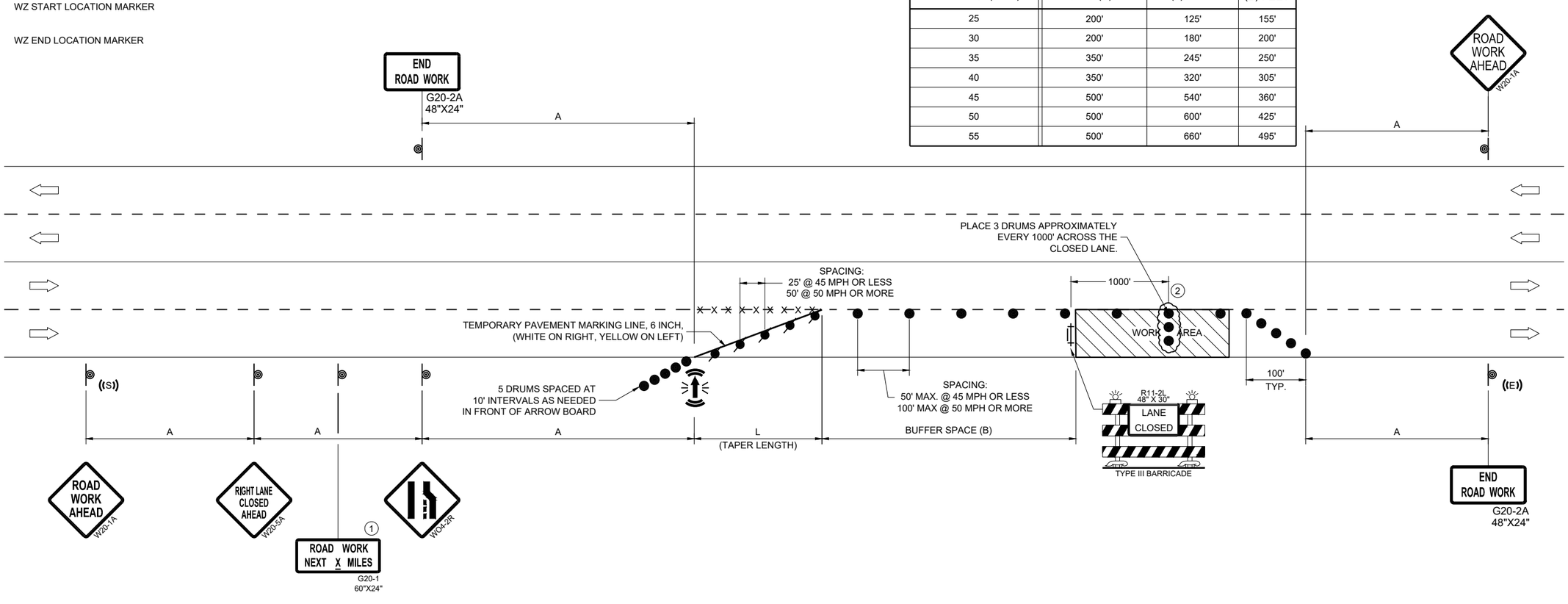
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'



TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D20-12b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

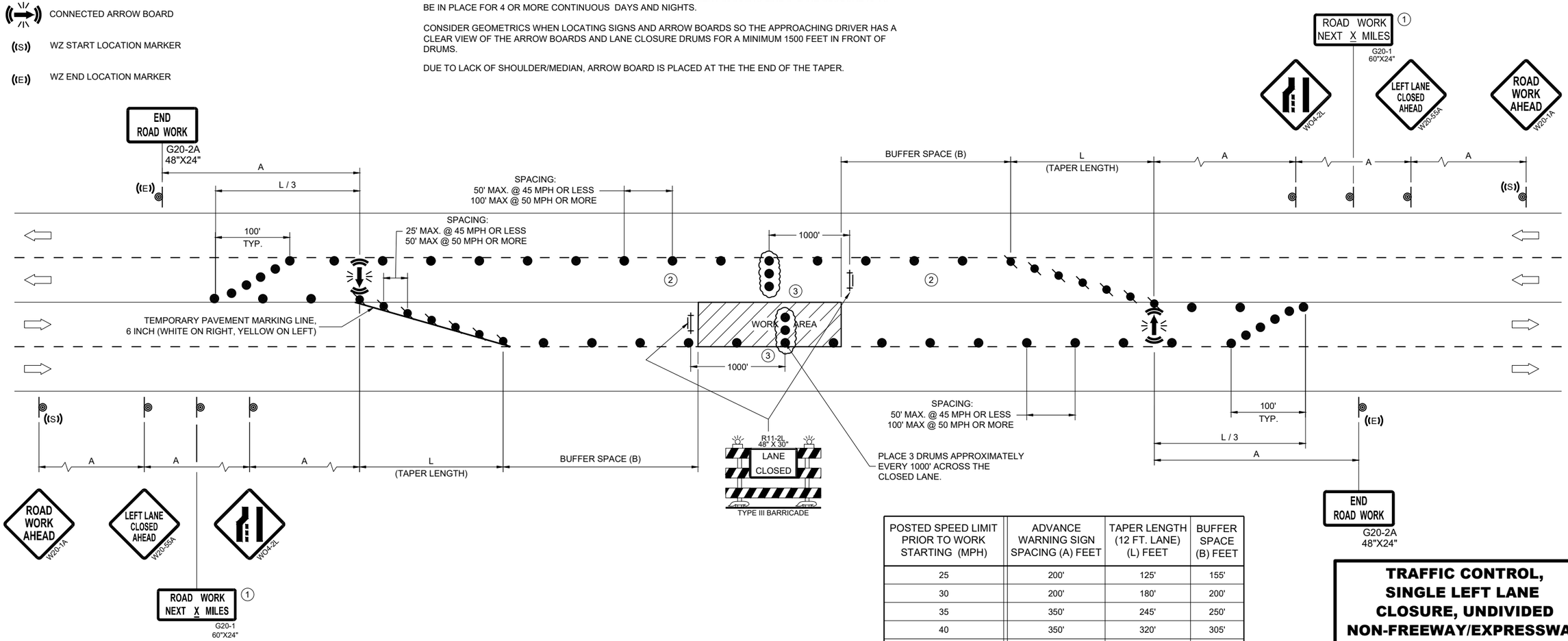
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.

DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

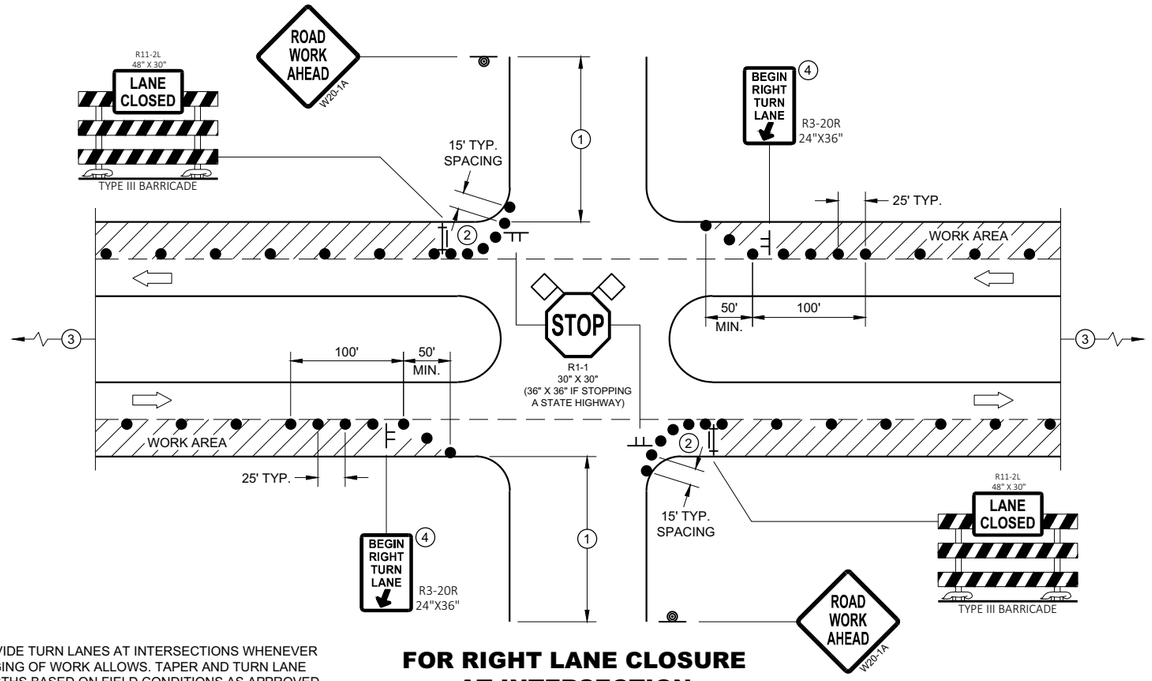
APPROVED

May 2026
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

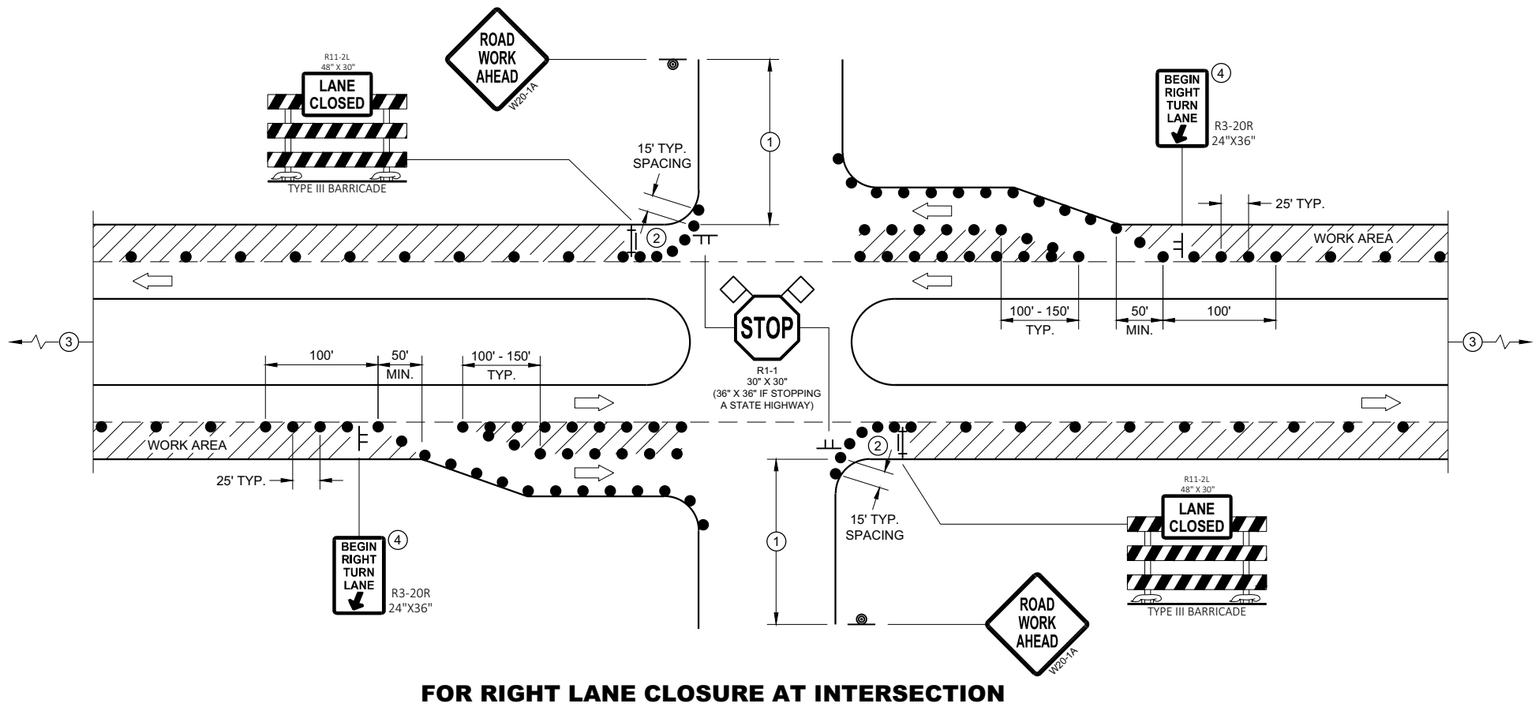
FHWA

6
SDD 15D20-12c



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

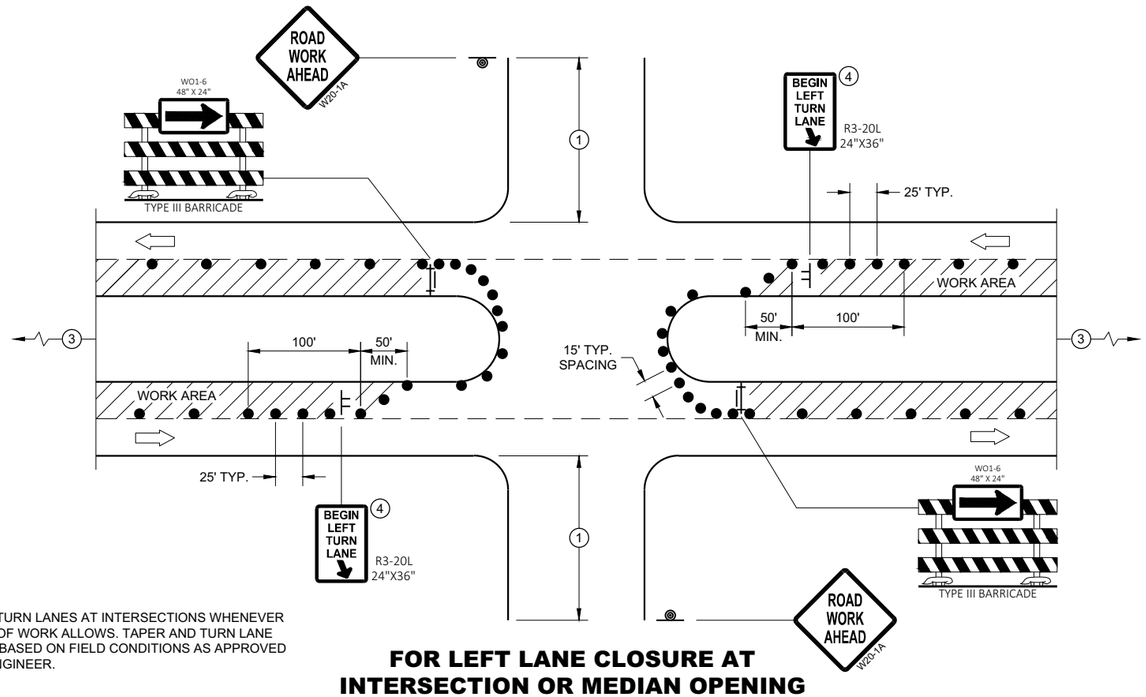
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

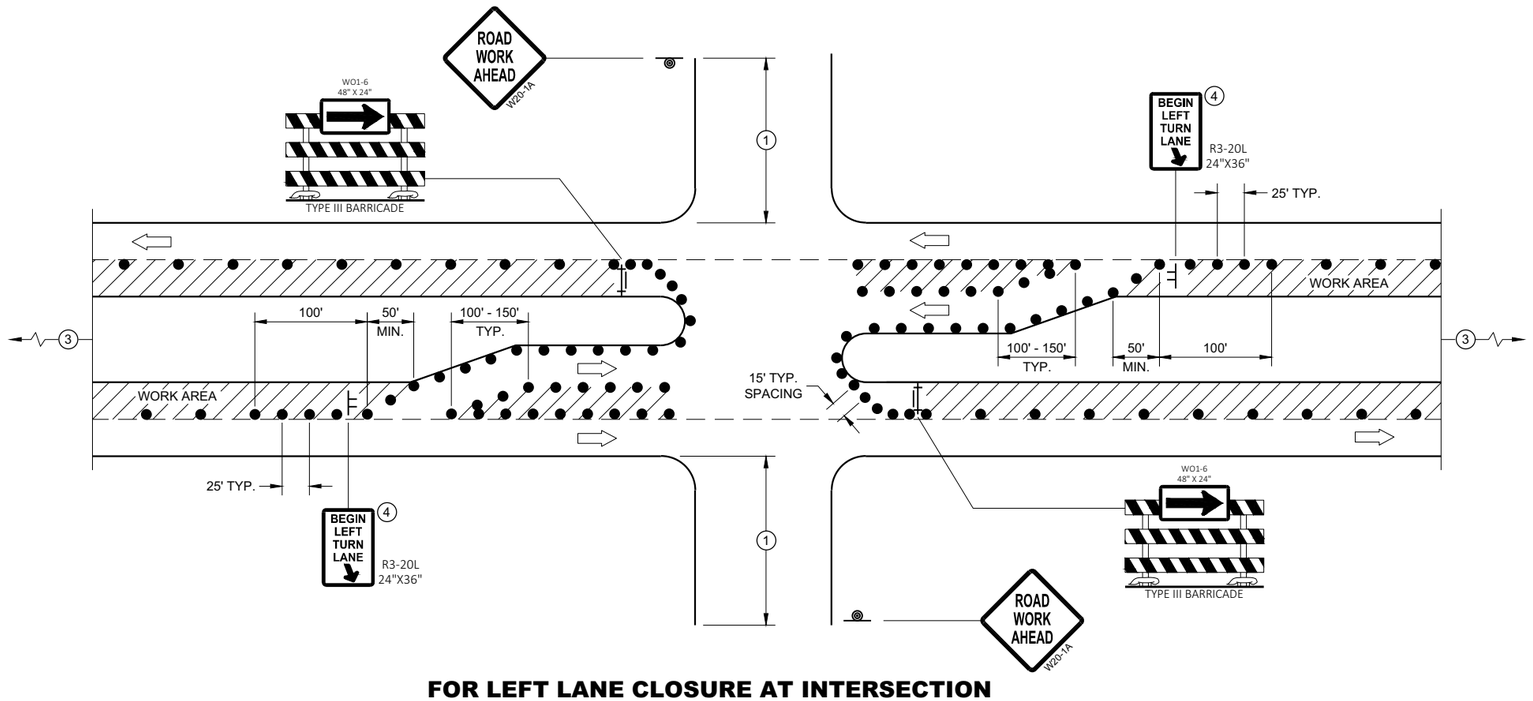
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- -X–X–X- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA
- CONNECTED ARROW BOARD
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45 MPH, USE SDD 15D14.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES.
FOR CLOSING LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

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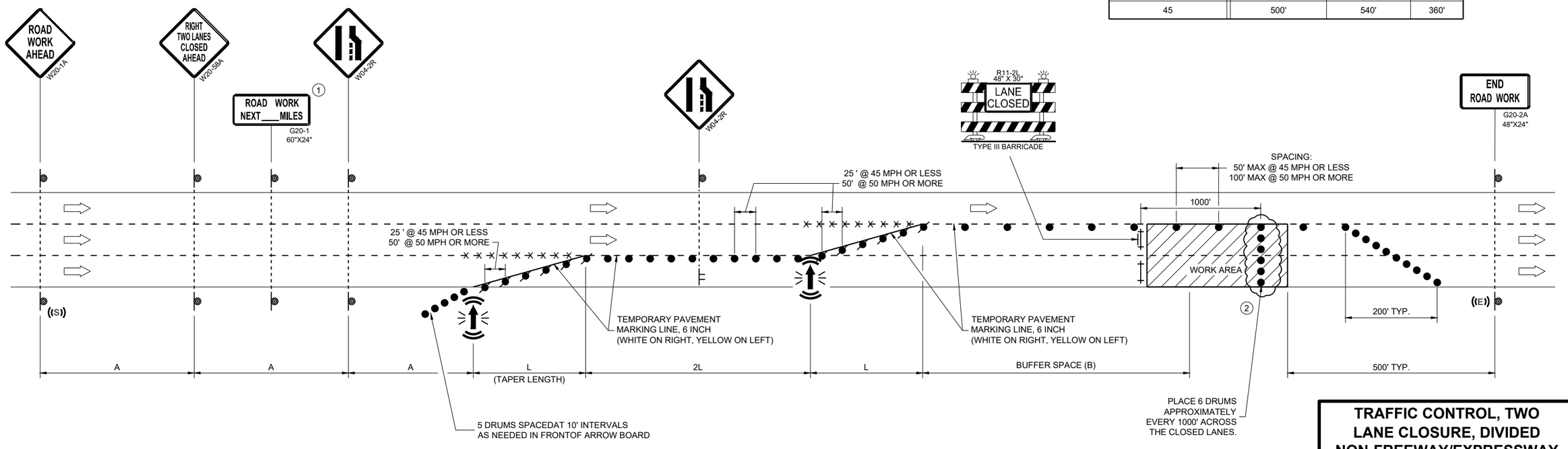
POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'



TRAFFIC CONTROL, TWO LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

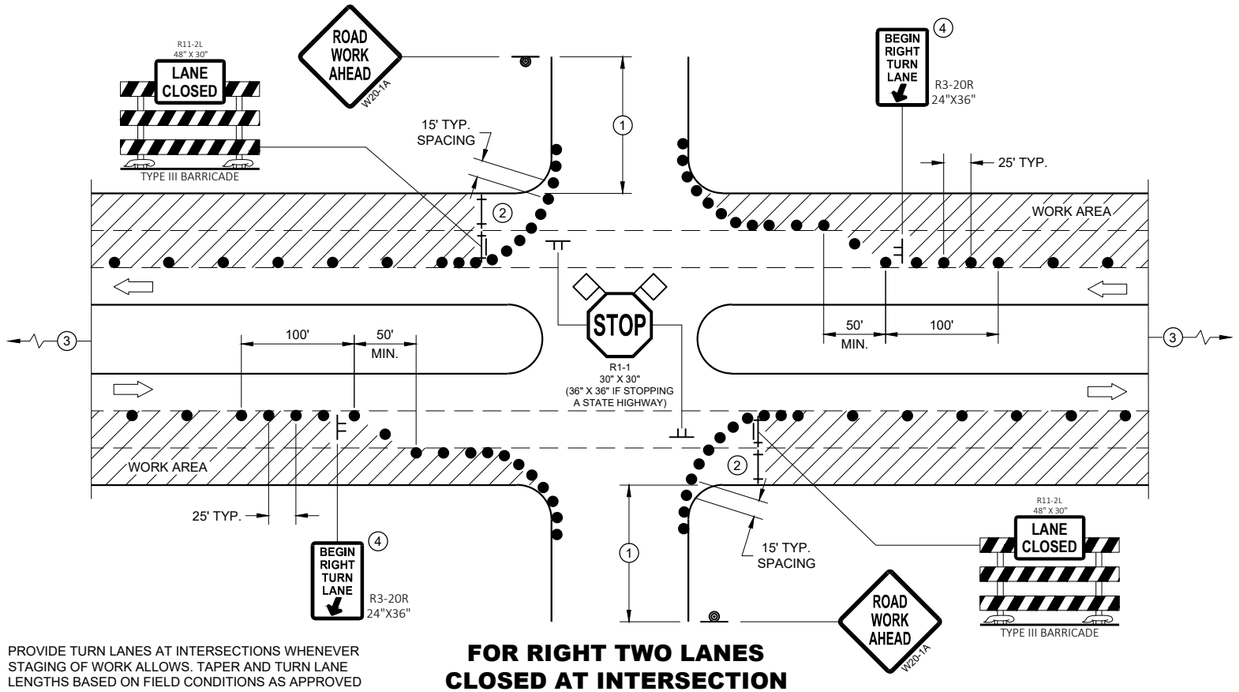
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15D22-09



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

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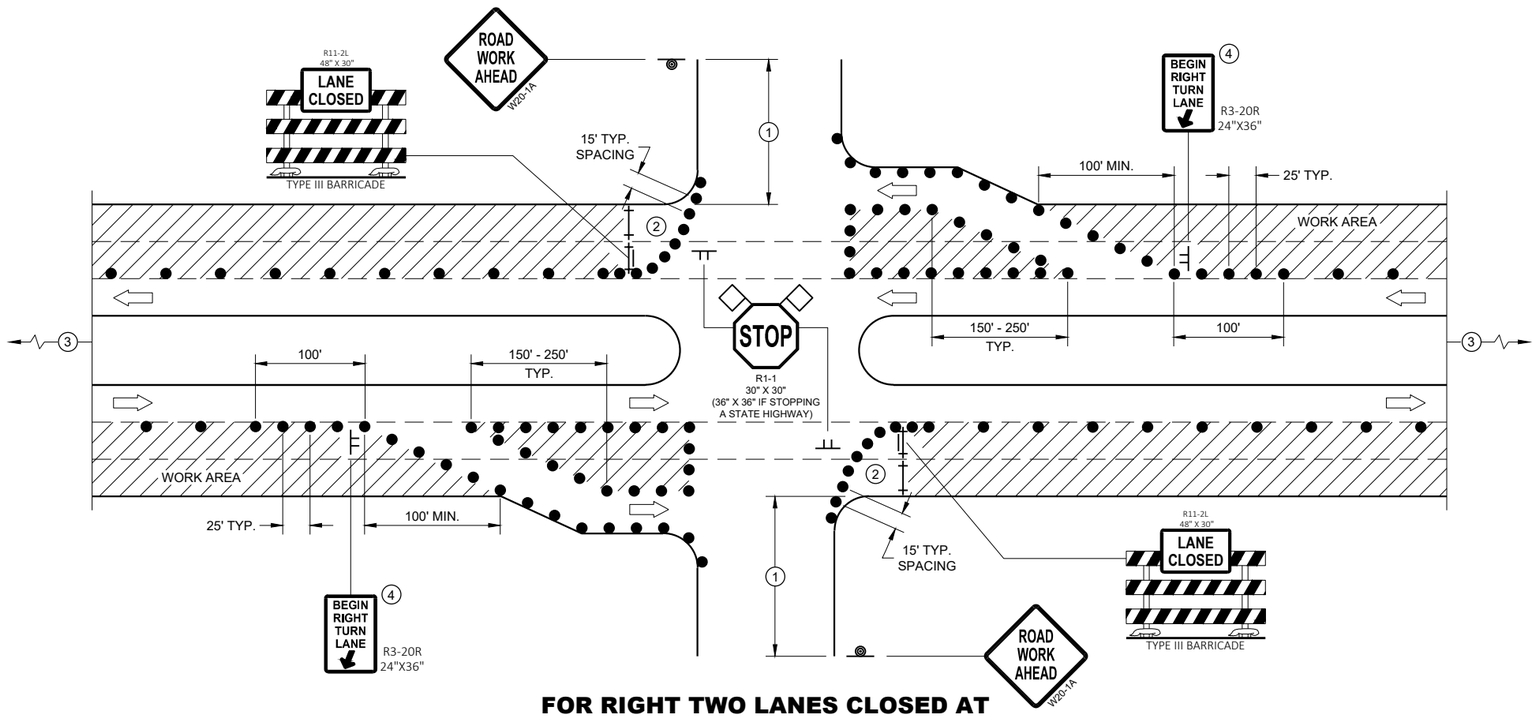
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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

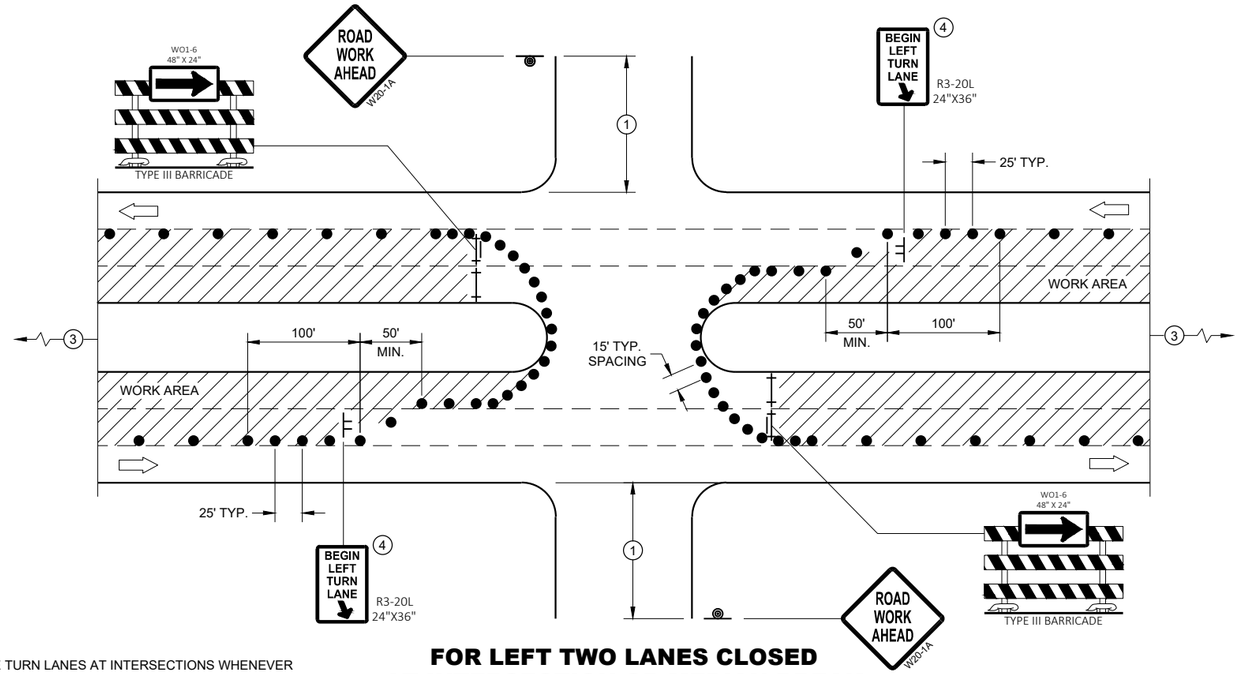
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D23 - 07a

6

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.

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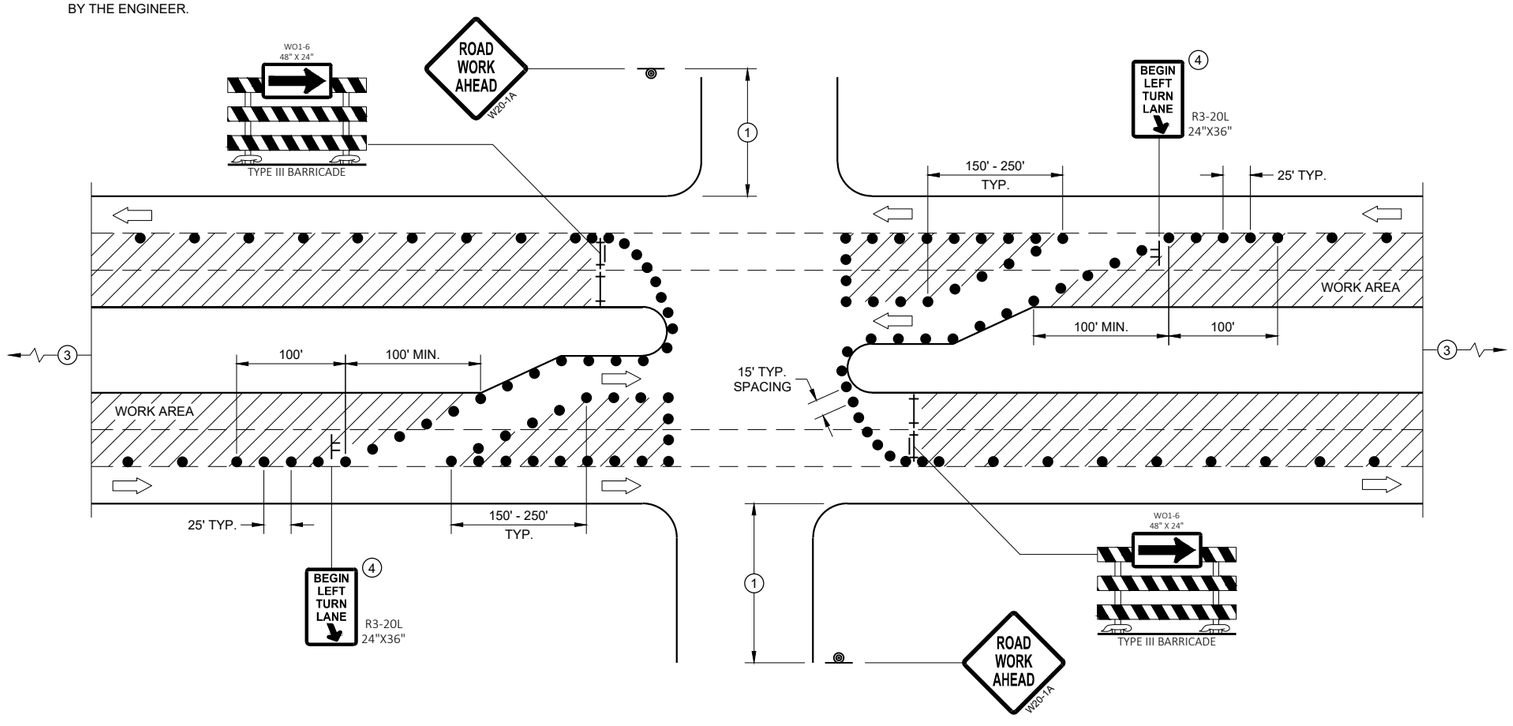
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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

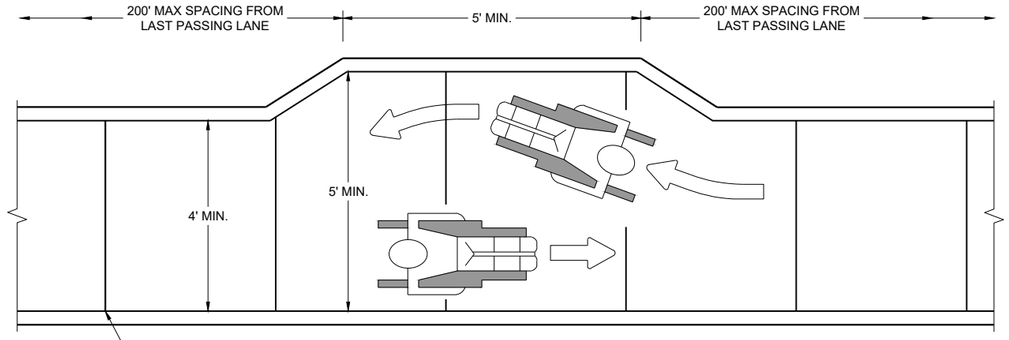
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE

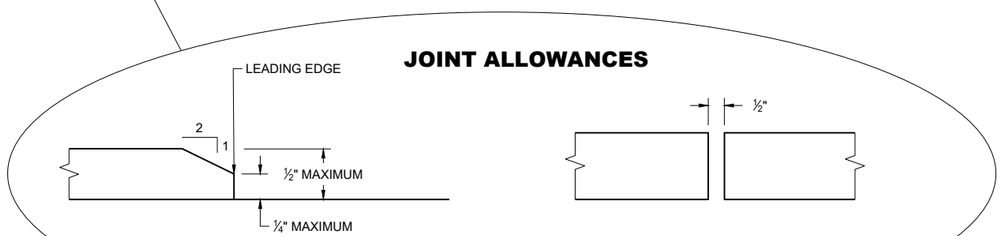
/S/ Andrew Heidtke
WORK ZONE ENGINEER

254

FHWA



NARROW SIDEWALK PASSING DETAIL



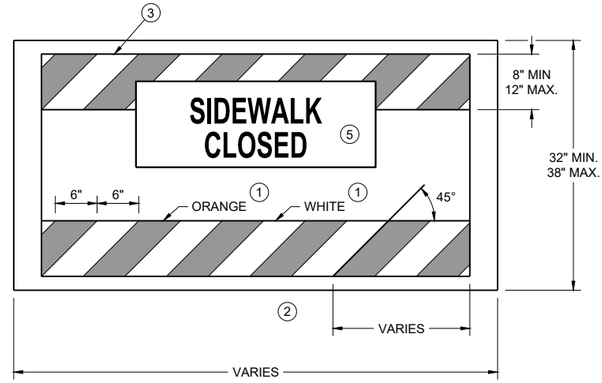
MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

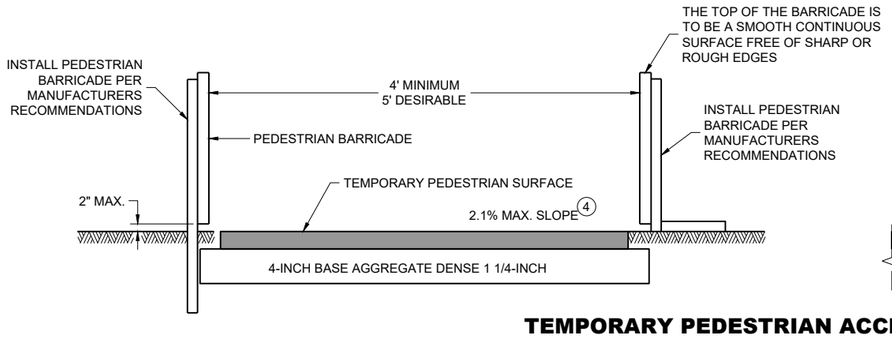
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

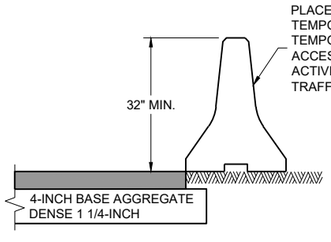
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.
4. WHEN THE TEMPORARY PEDESTRIAN ACCESS 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



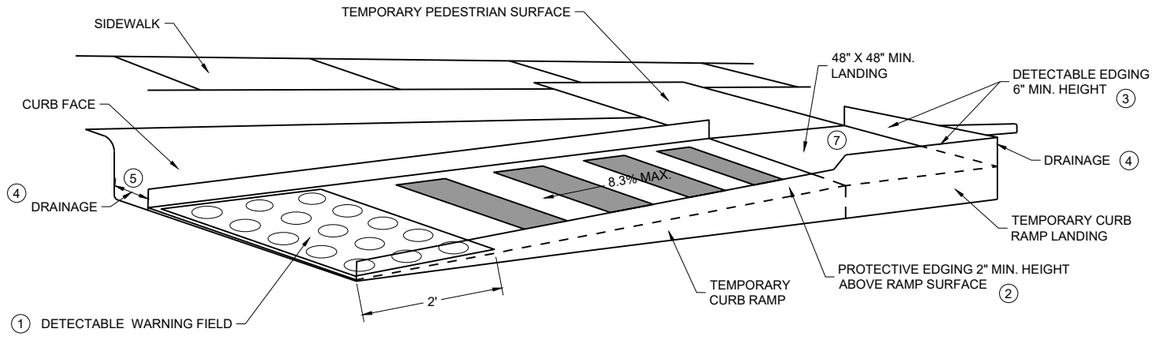
TEMPORARY PEDESTRIAN FLAGGING

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

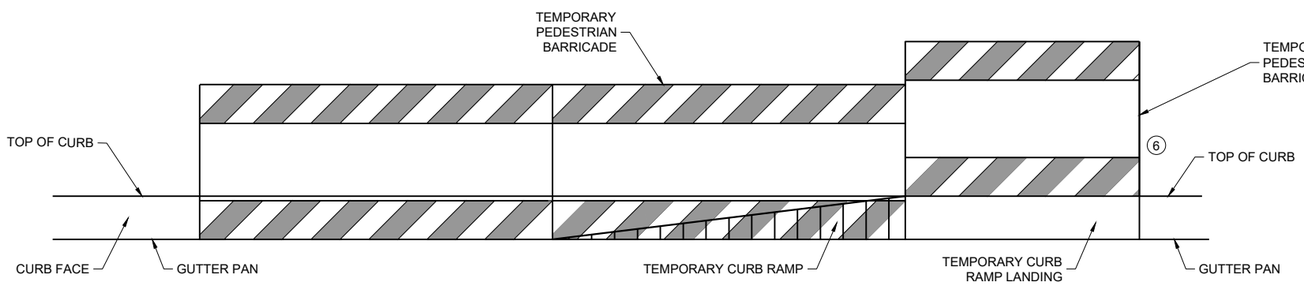
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

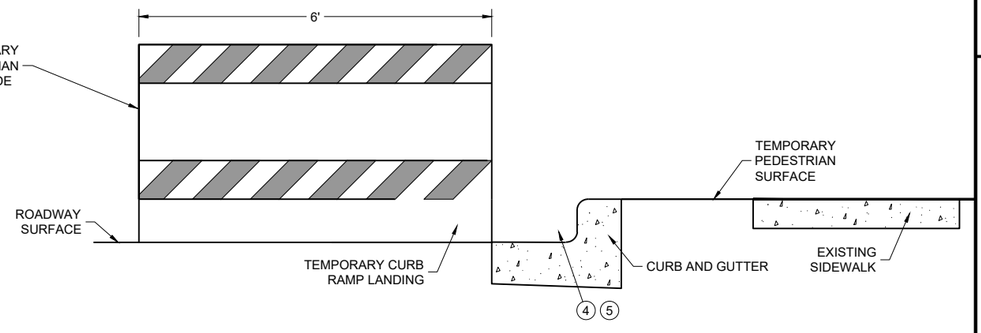
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

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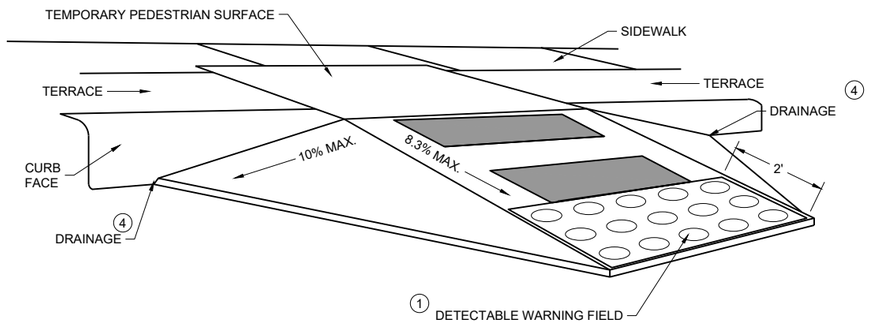
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

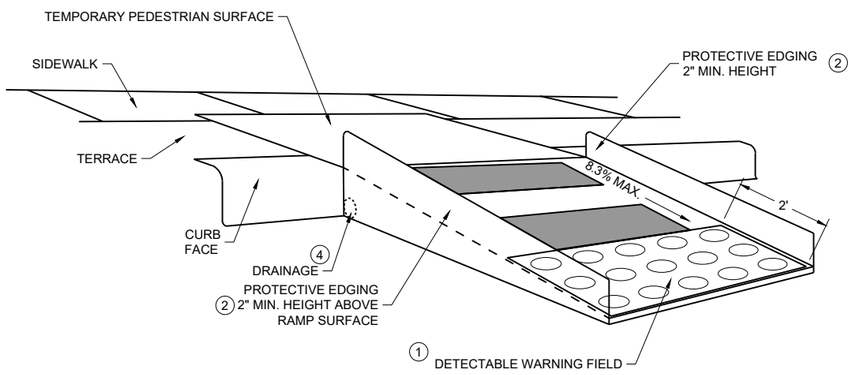
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

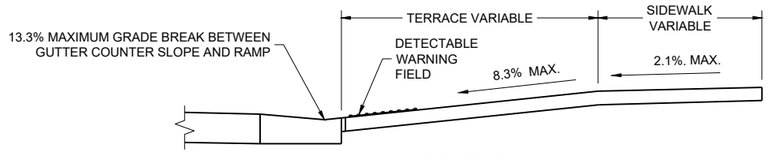
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

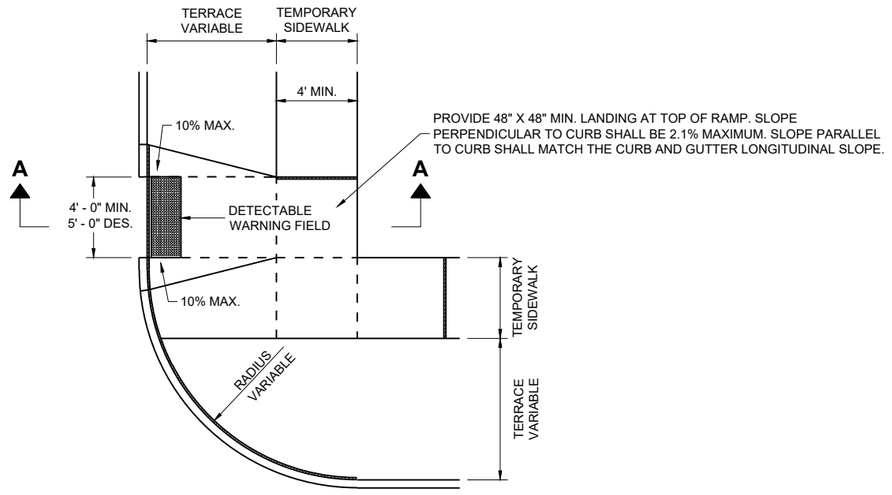
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES



SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

6

SDD 15D30-12d

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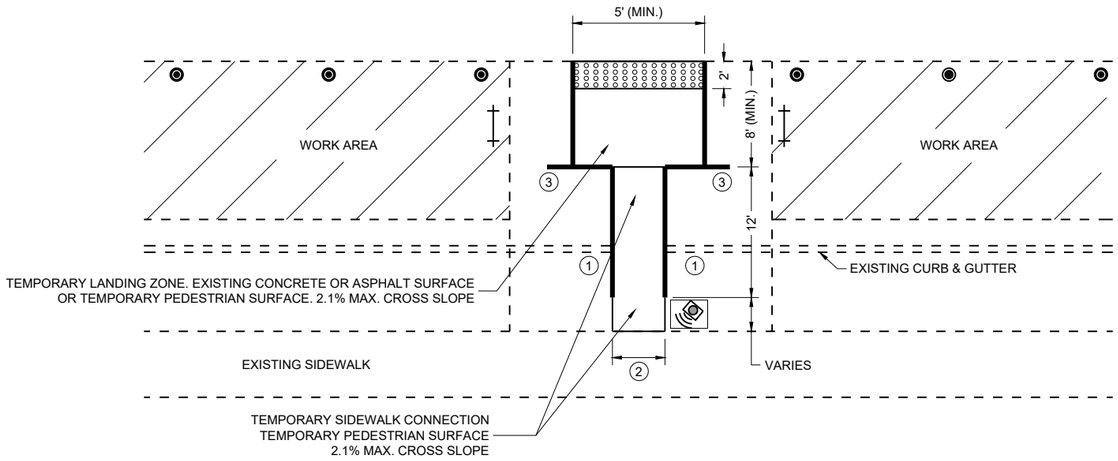
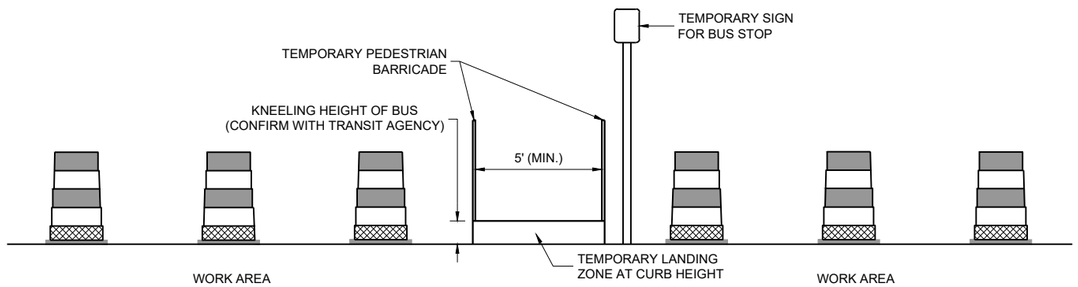
SDD 15D30-12d

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

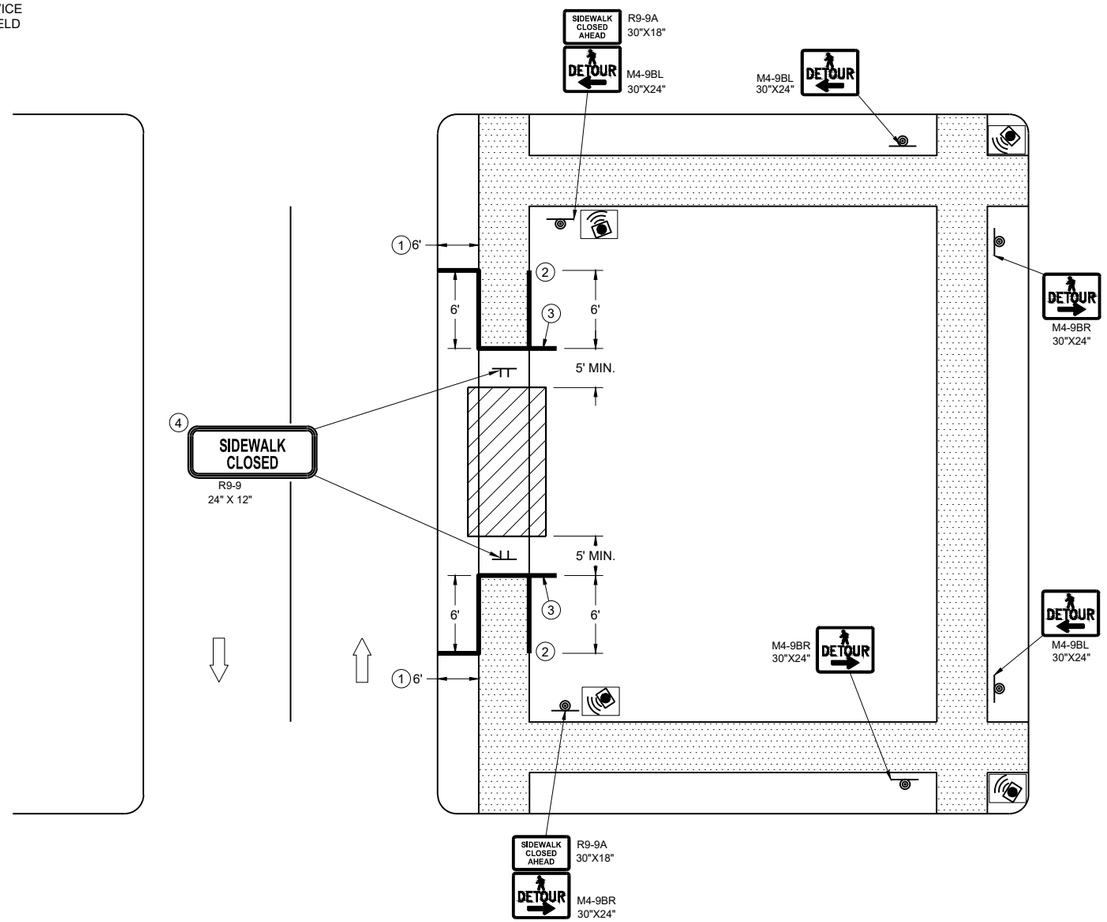
SDD 15D30-12e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

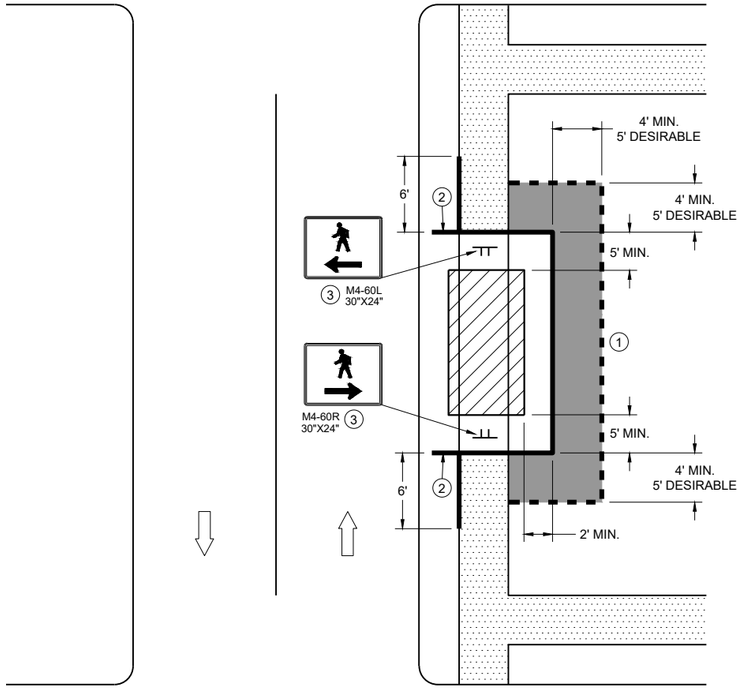
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

(1) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(2) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK BYPASS
SINGLE SIDE

6

SDD 15D30-12g

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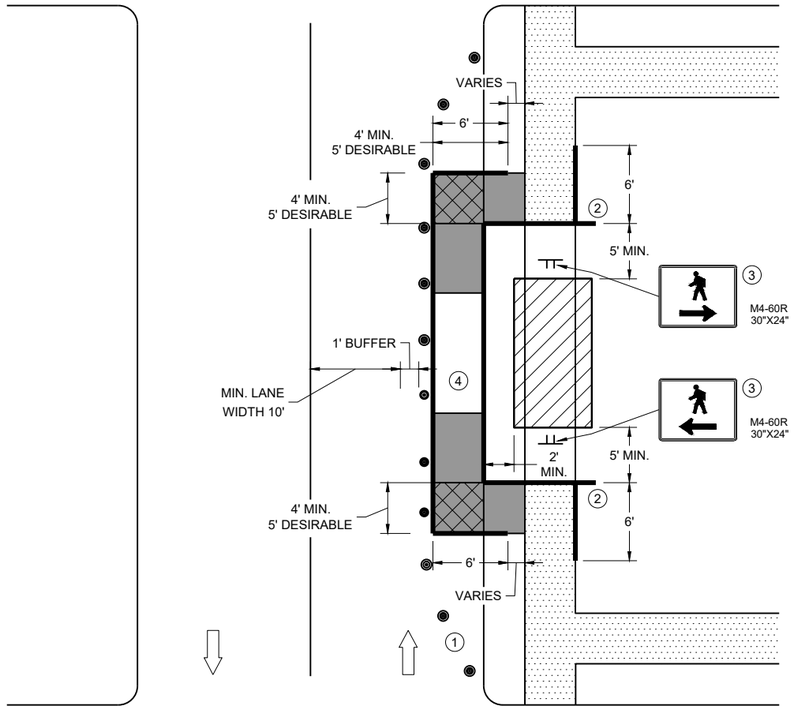
SDD 15D30-12g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK BYPASS, SINGLE SIDE

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

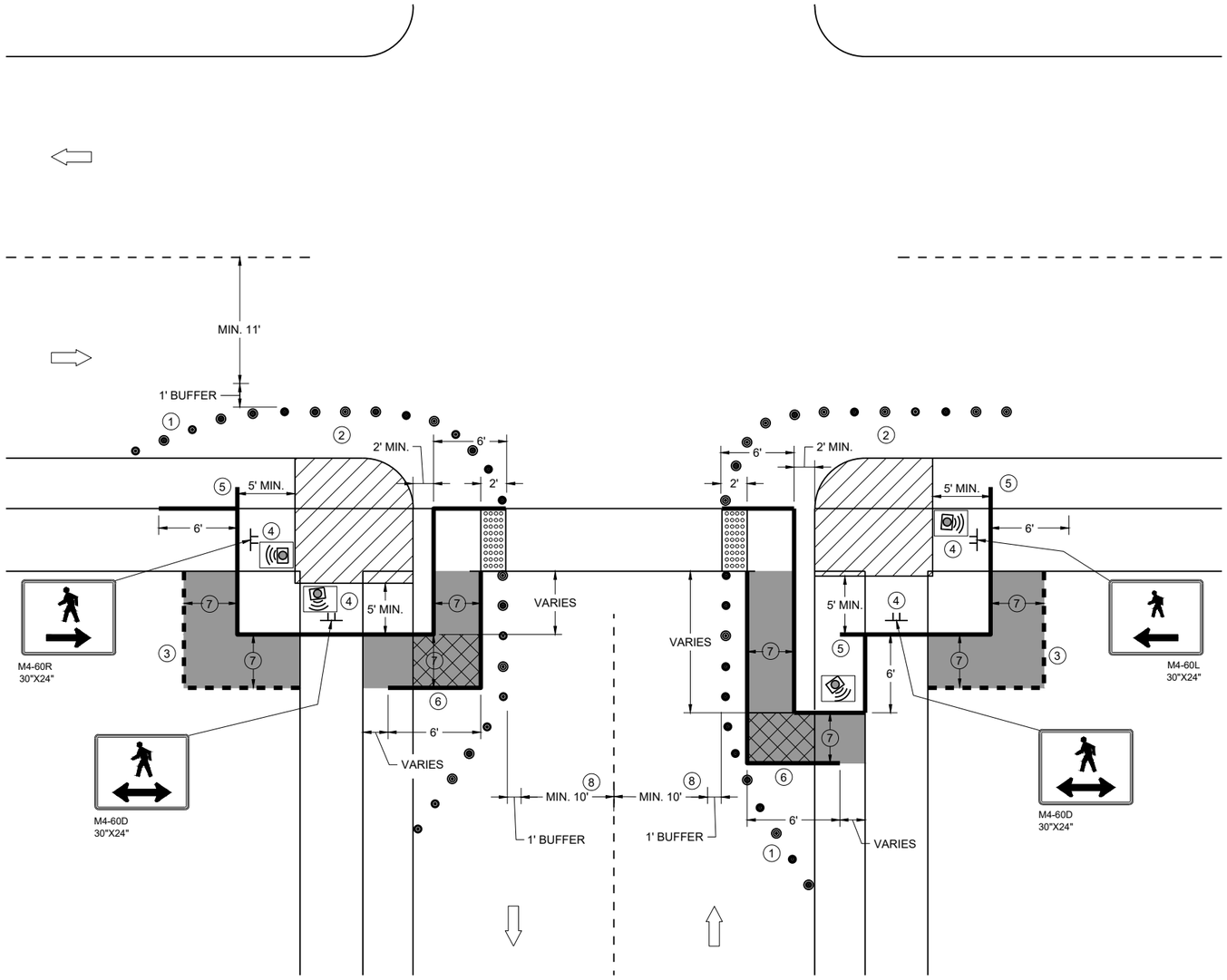
1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.
2. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
4. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

6

SDD 15D30-12h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

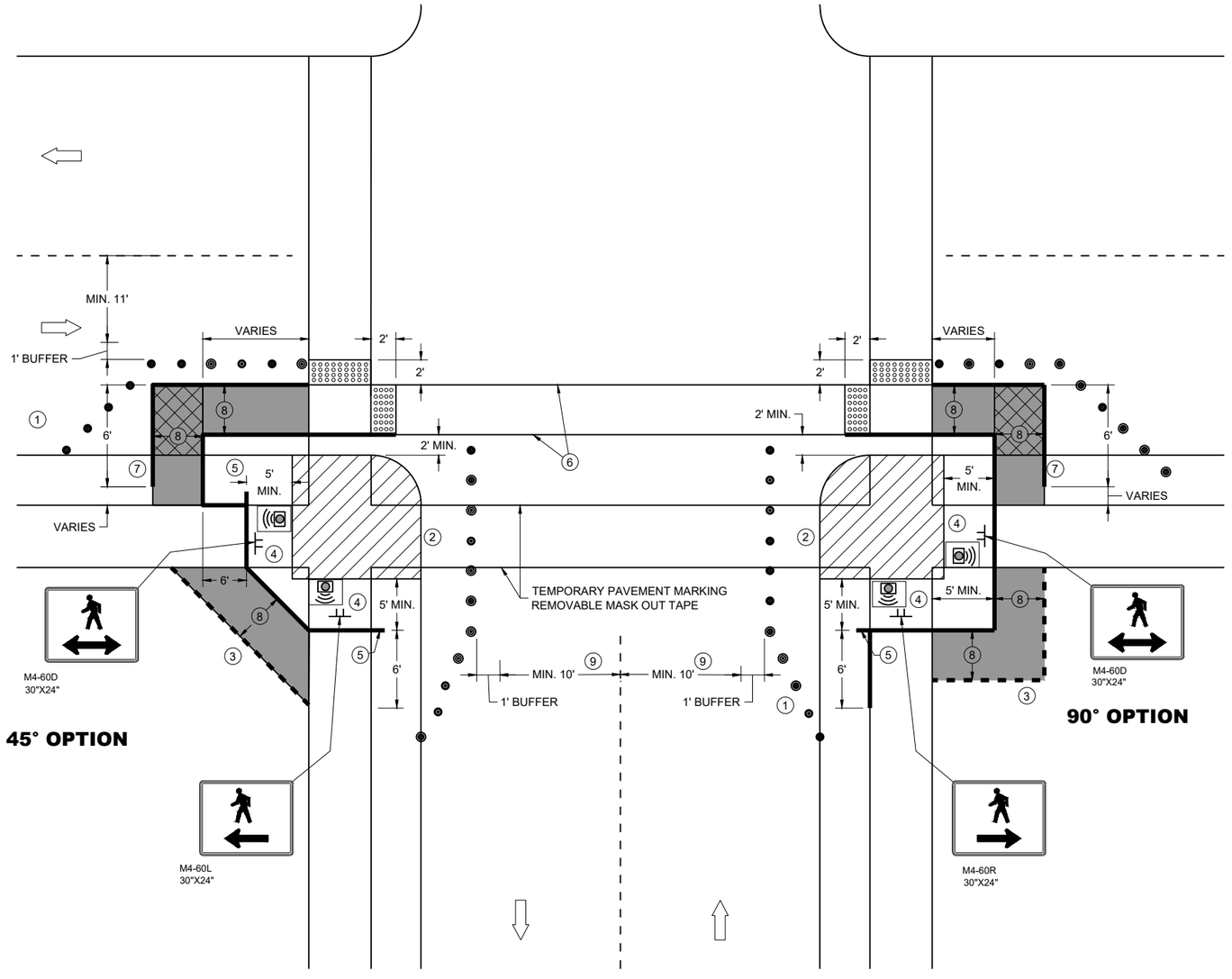
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

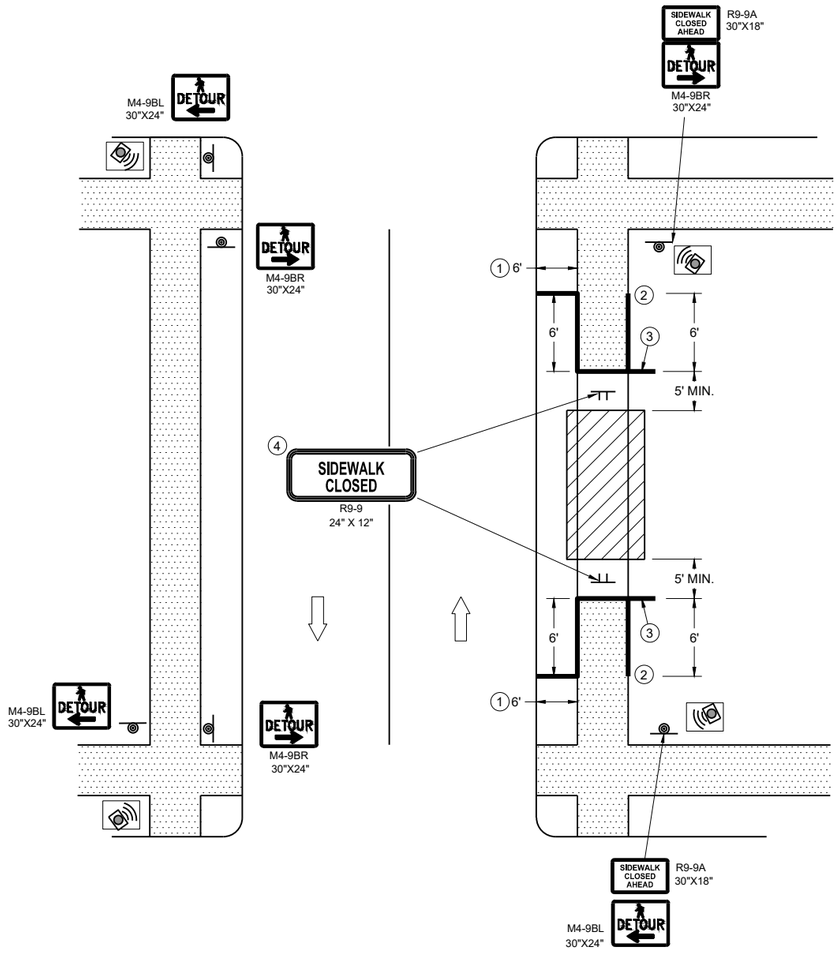
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12j

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

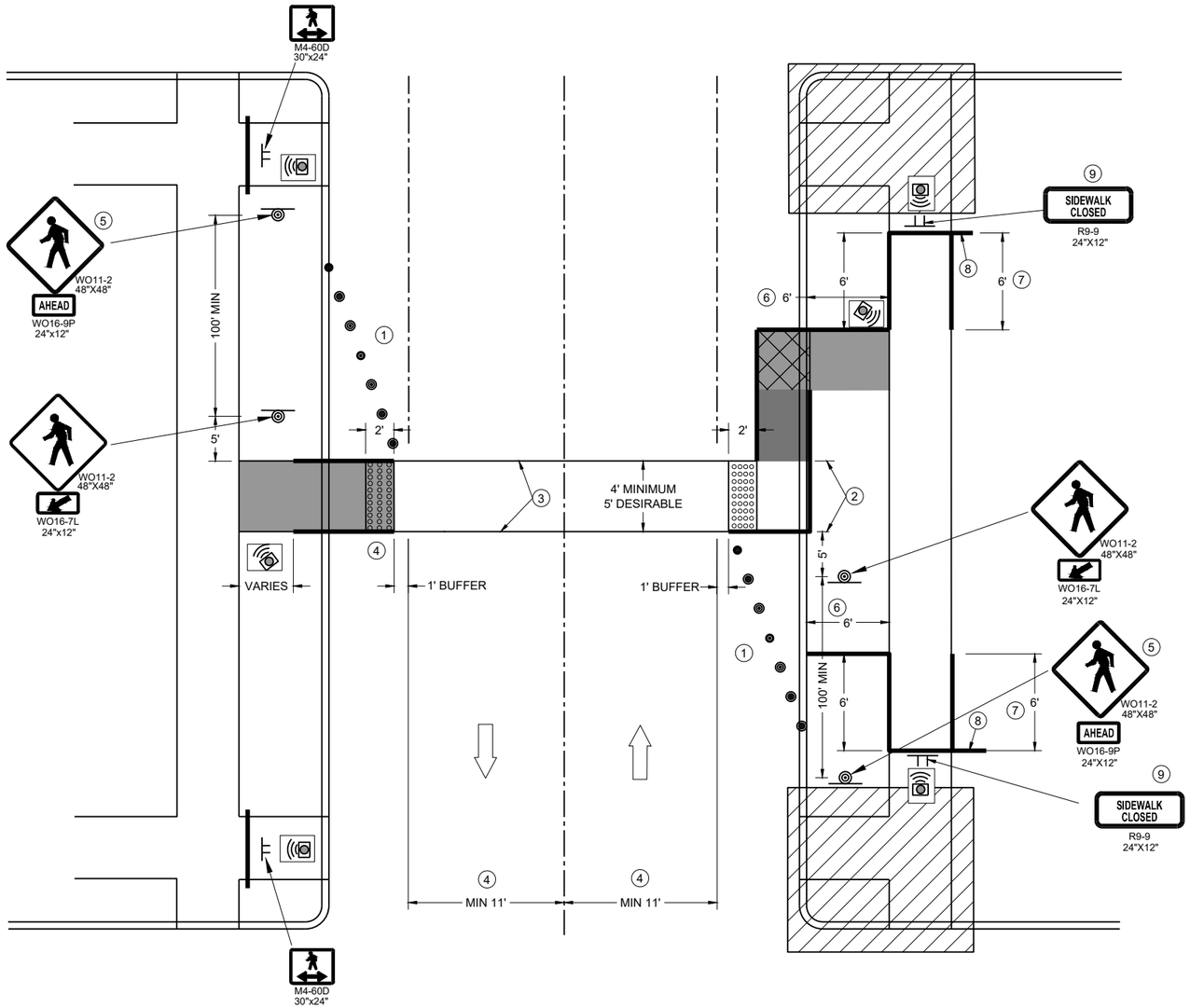
SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15D30-12I

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	155
30	200	75	83	90	98	105	200
35	350	102	112	123	133	143	250
40	350	133	147	160	173	187	305
45	500	225	248	270	293	315	360

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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 LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

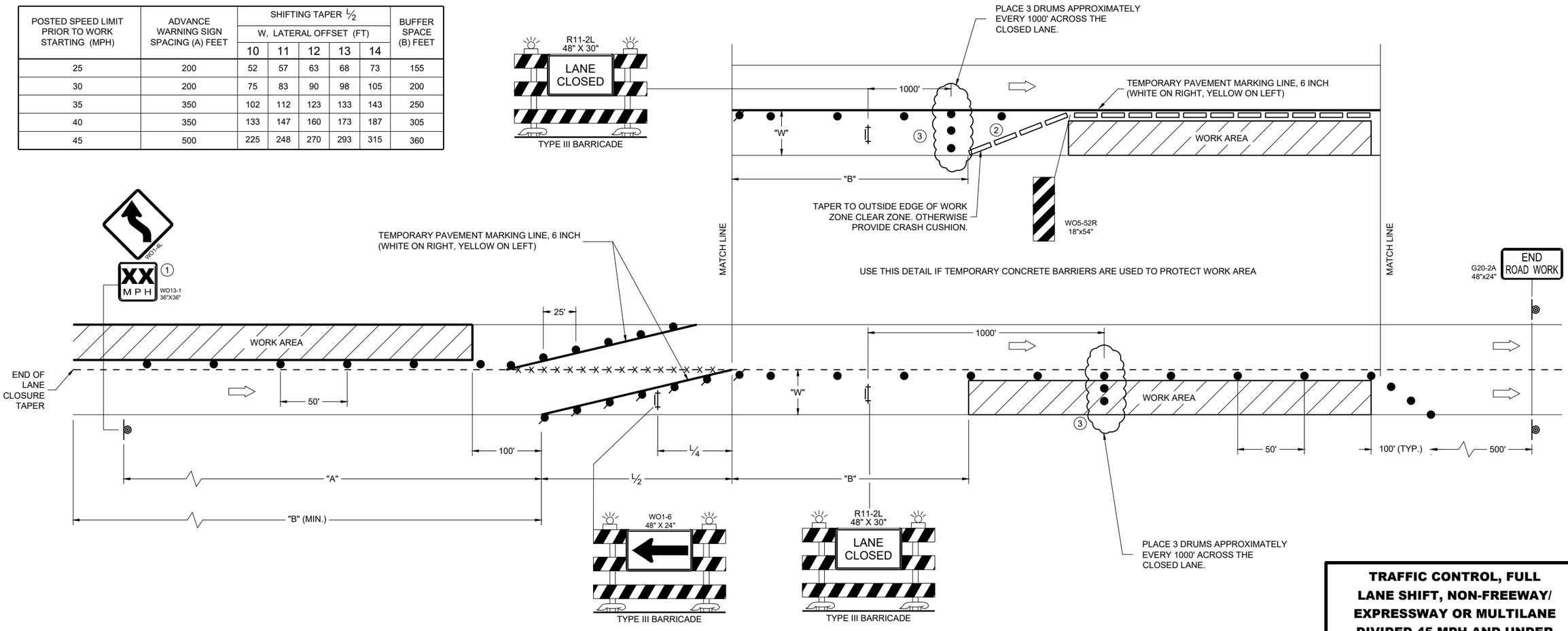
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER

SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 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.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

(3) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D40-08a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

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.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

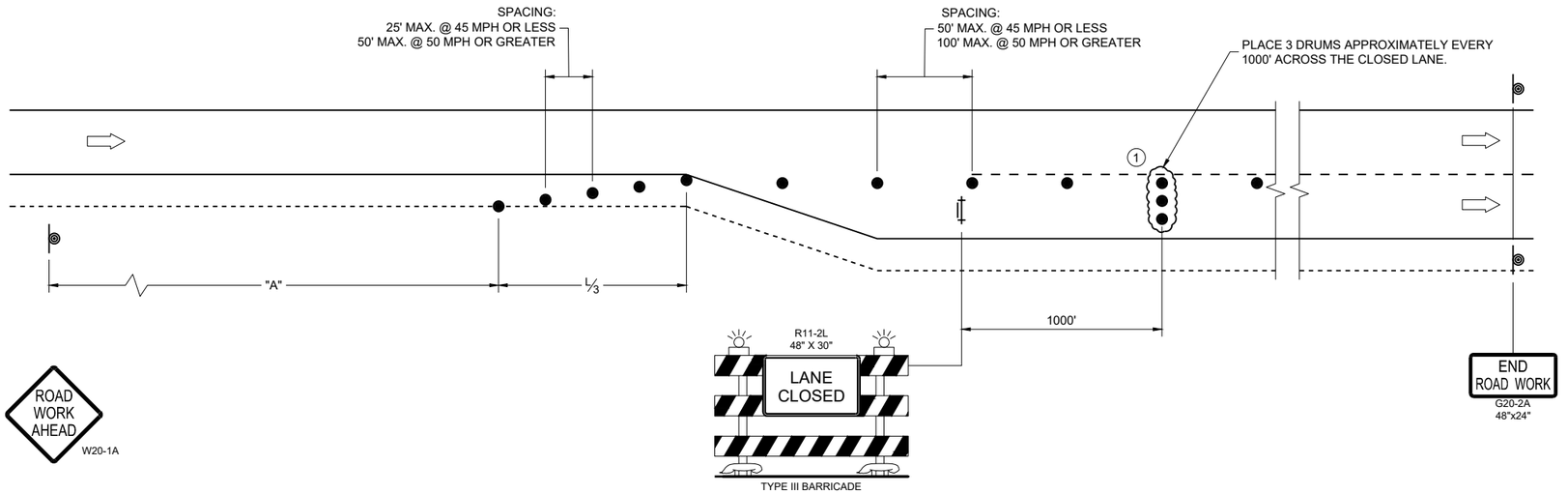
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

(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.



6

SDD 15D50-05a

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D50-05a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

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.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"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 AND AS APPROVED BY THE ENGINEER.

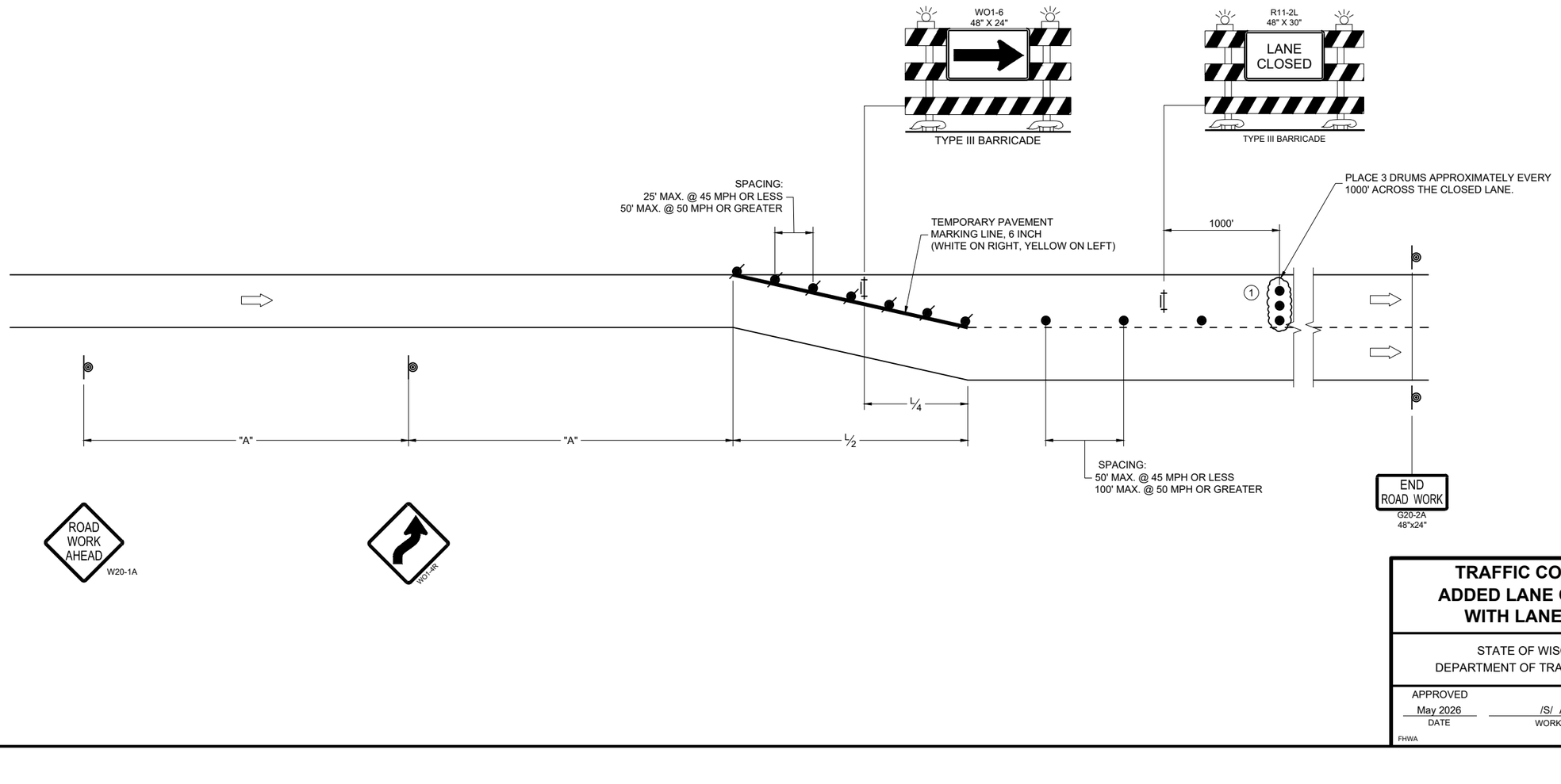
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

(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.



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

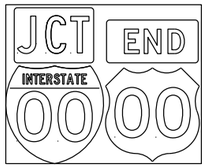
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

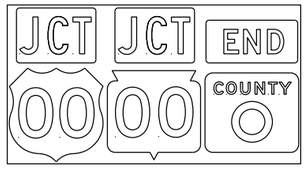
6
SDD 15D50-05b

TYPICAL ASSEMBLIES

J1-1



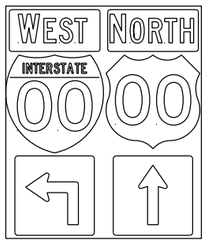
J1-2



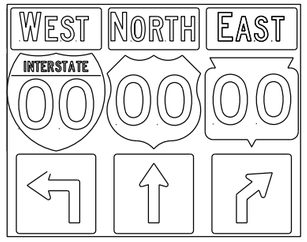
J1-3

JR1-1

J2-1

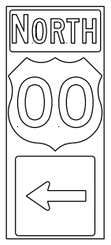


J2-2

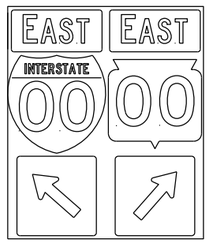


J2-3

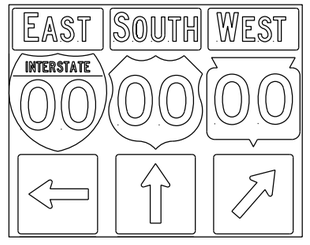
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



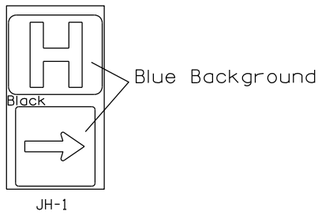
J3-1



J3-2

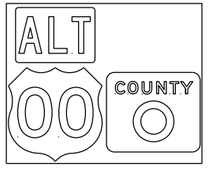


J3-3

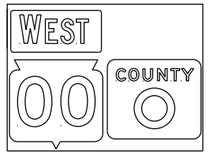


JH-1

J4-1

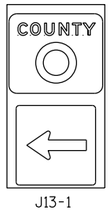


J4-2



J4-2

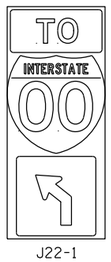
J12-1



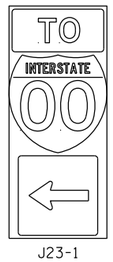
J13-1

J32-1

J33-1



J22-1



J23-1

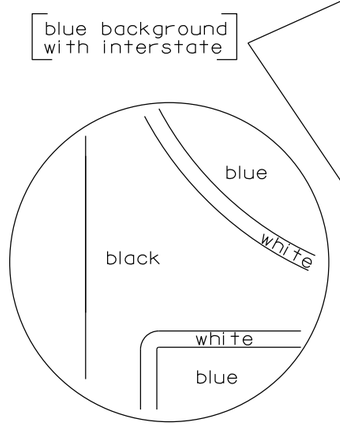
JR13-1

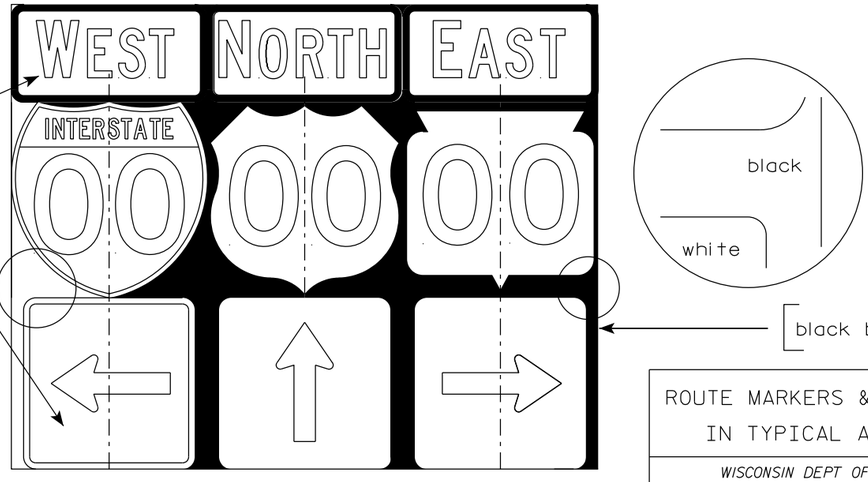
JR23-1

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

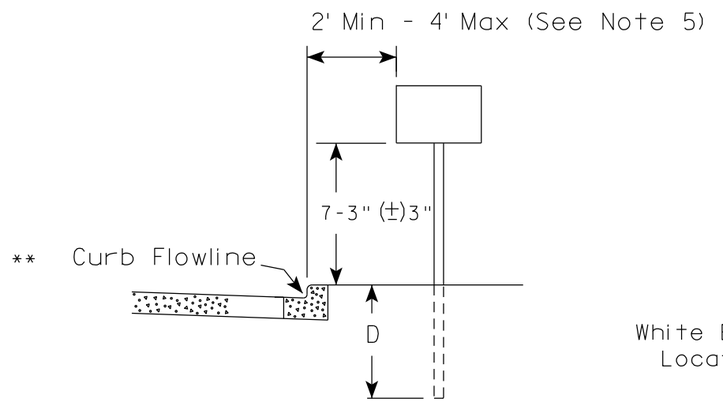
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

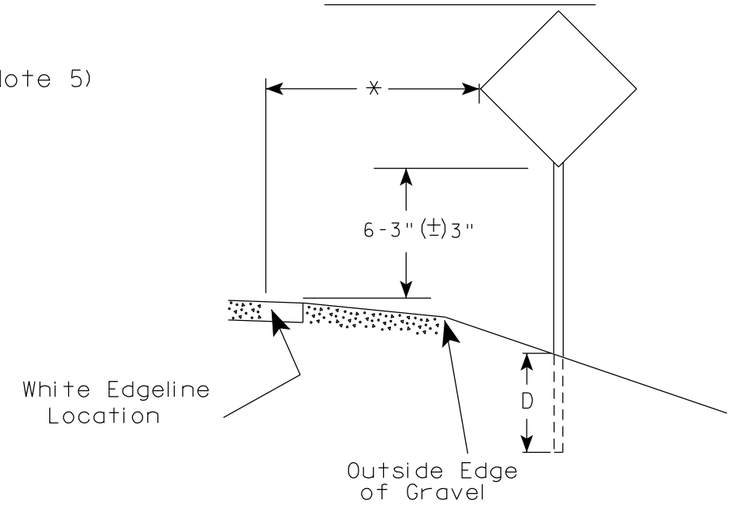
PROJECT NO:

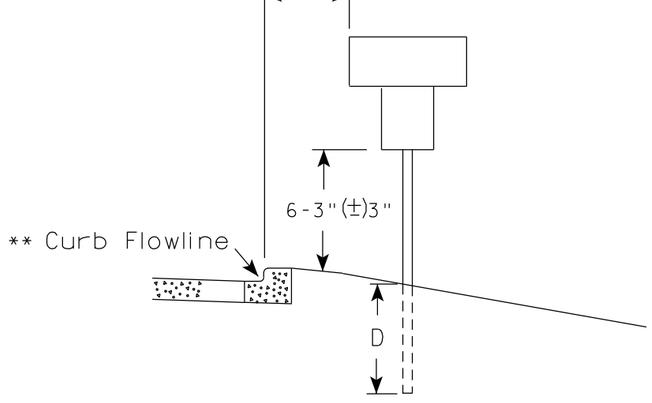
SHEET NO: 270 E

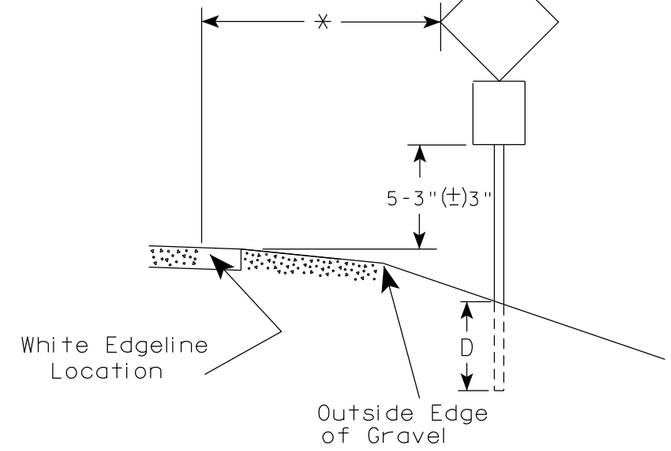
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

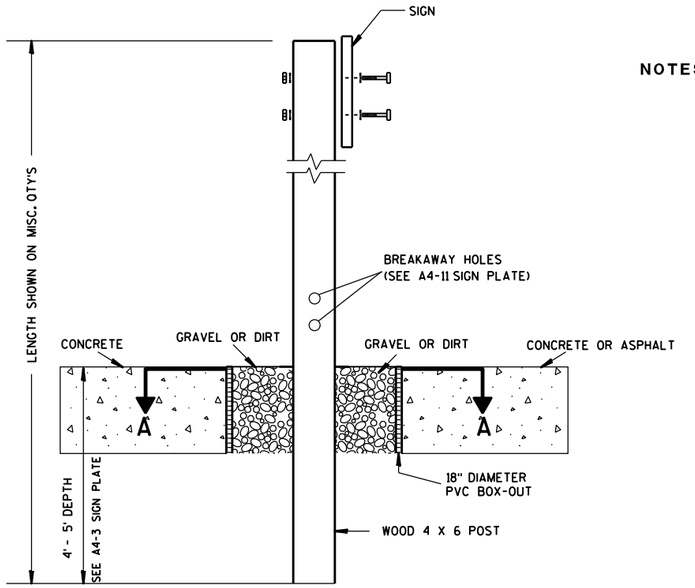
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

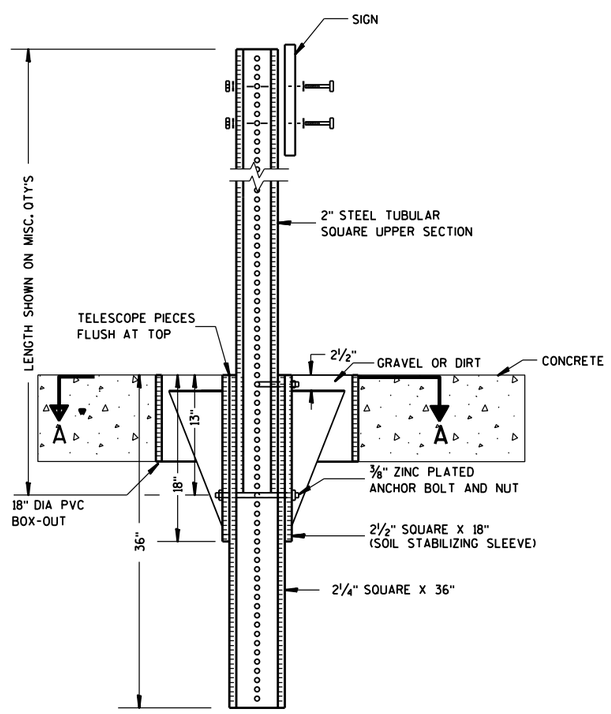
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 271	E



ELEVATION VIEW

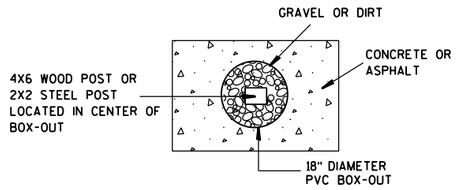
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

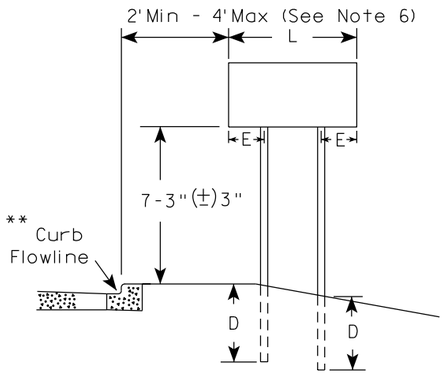
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

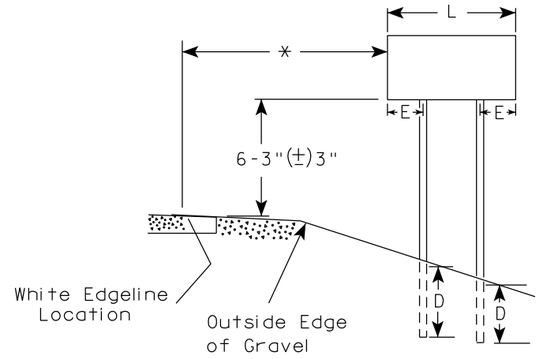
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

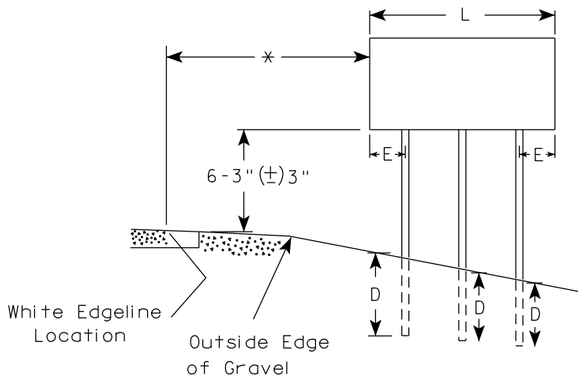
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

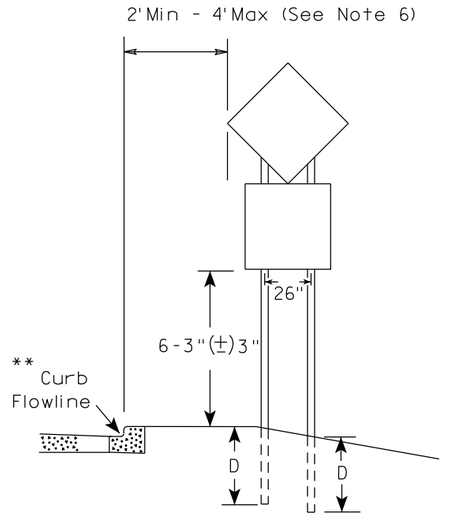
URBAN AREA



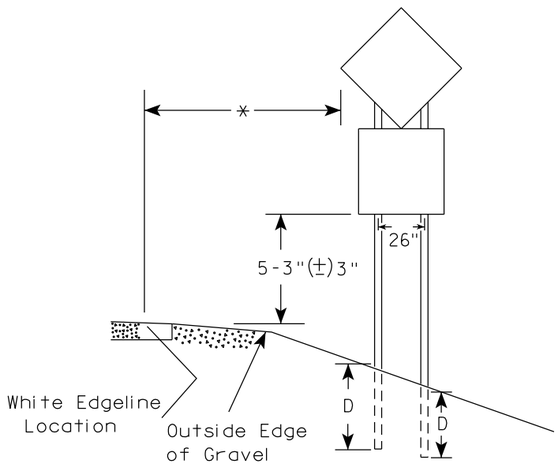
RURAL AREA (See Note 3)







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'

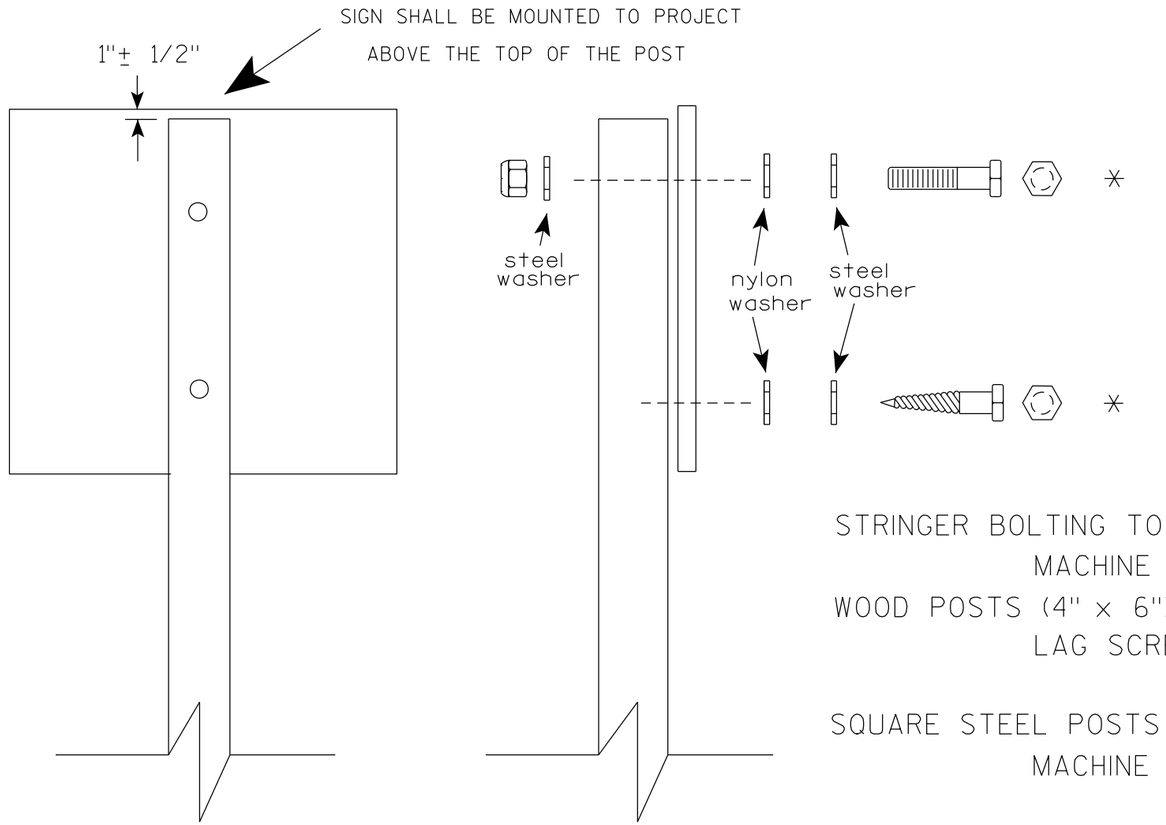
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 273	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

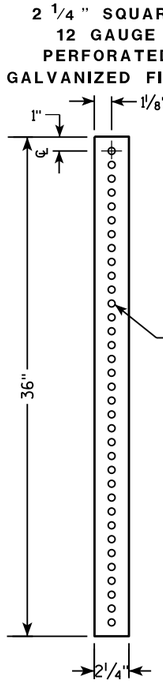
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

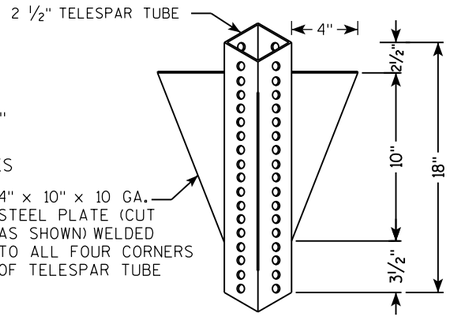
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

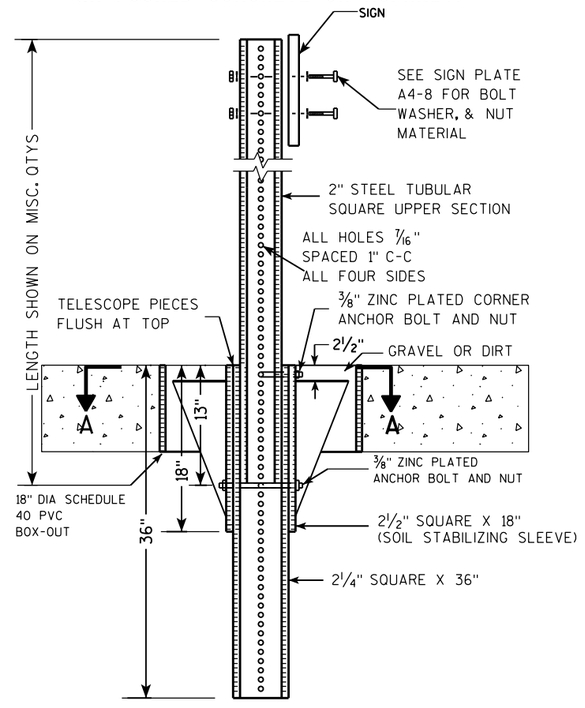
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



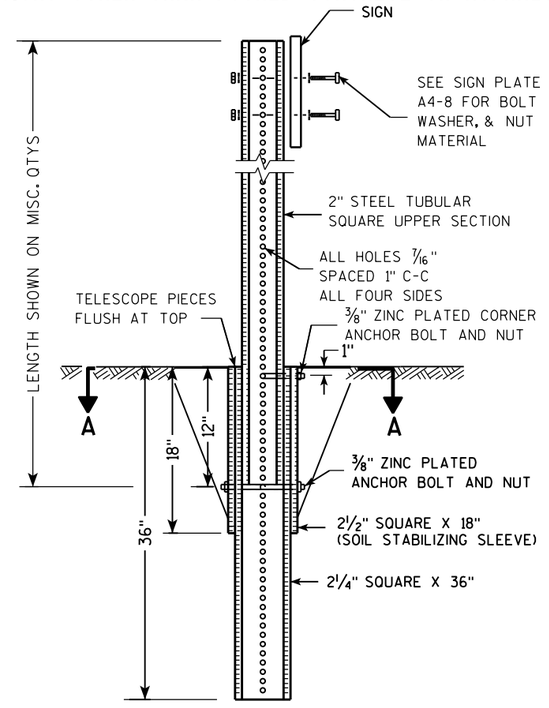
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

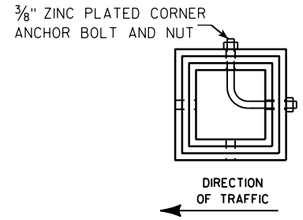


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

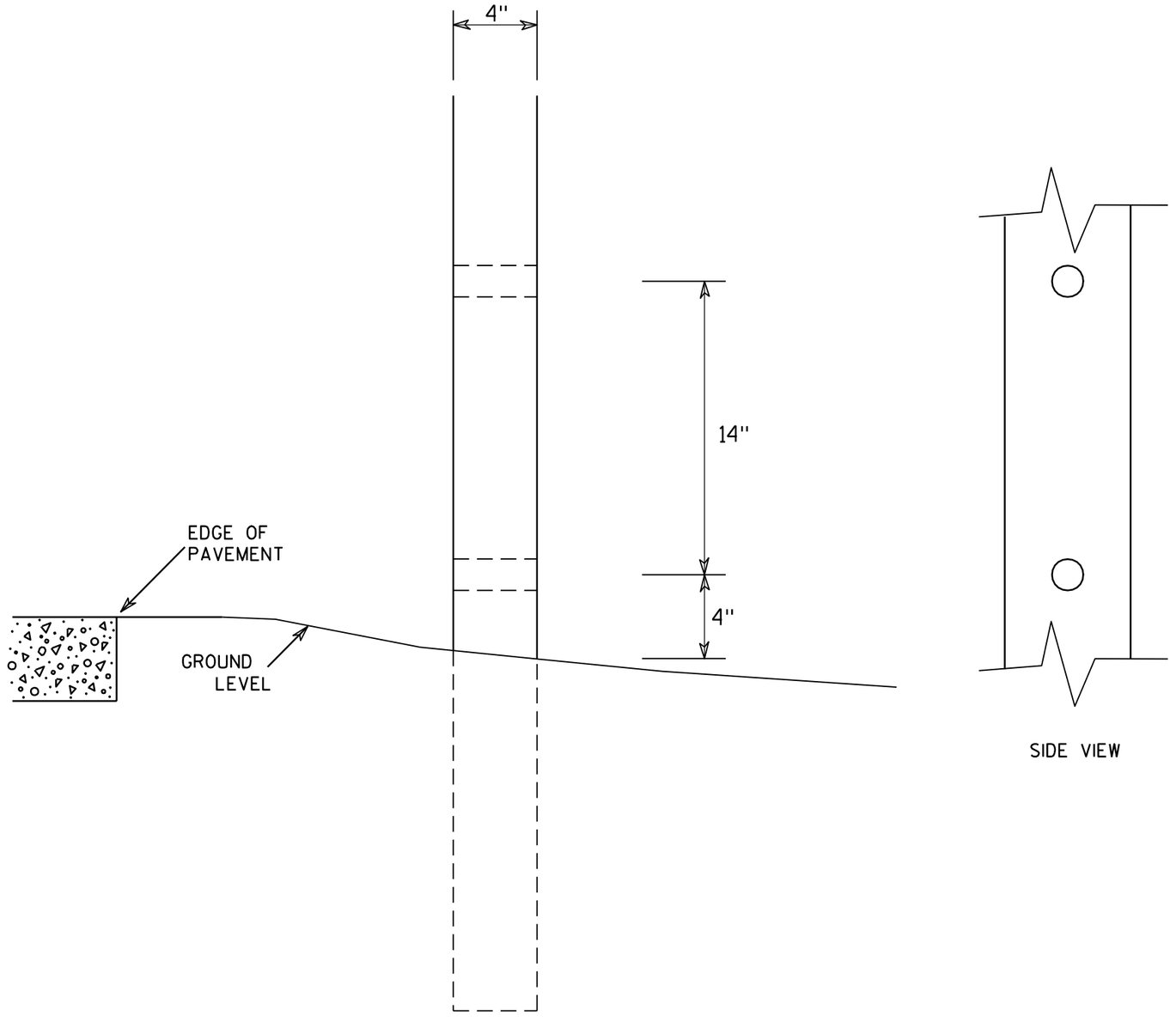
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 275 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.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

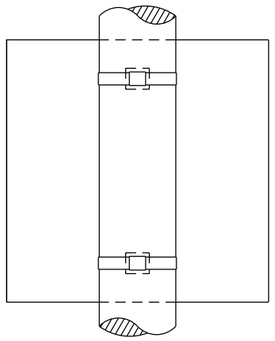
APPROVED Chester J Spang for State Traffic Engineer

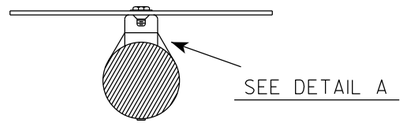
DATE 3/27/97 PLATE NO. A4-11.2

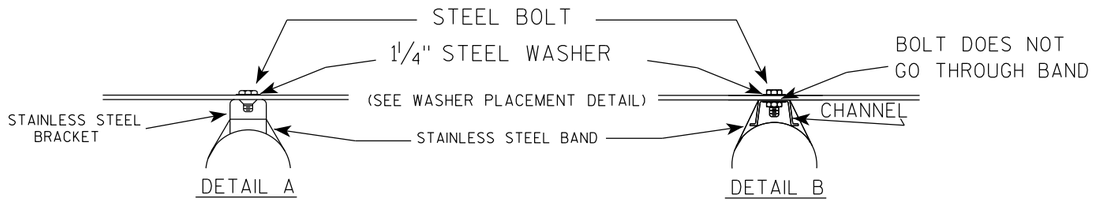
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 276	E

BANDING

SINGLE SIGN



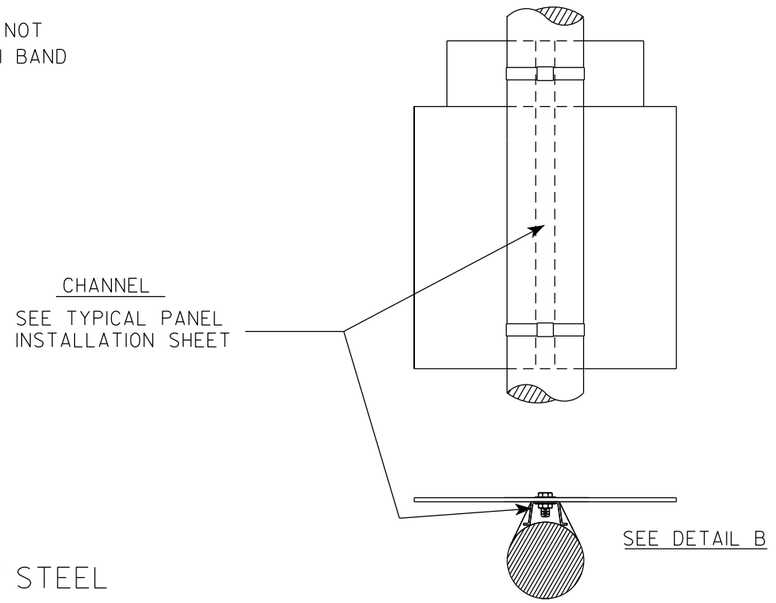




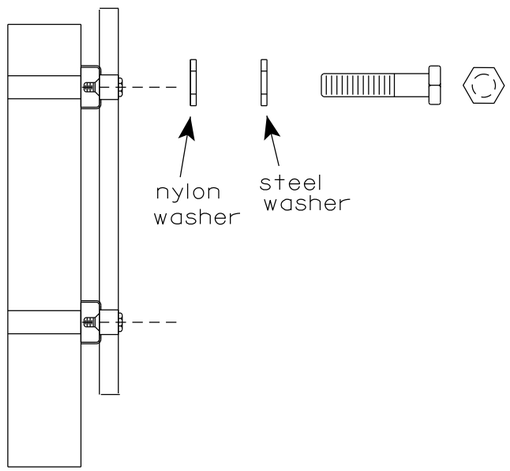
GENERAL NOTES

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



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

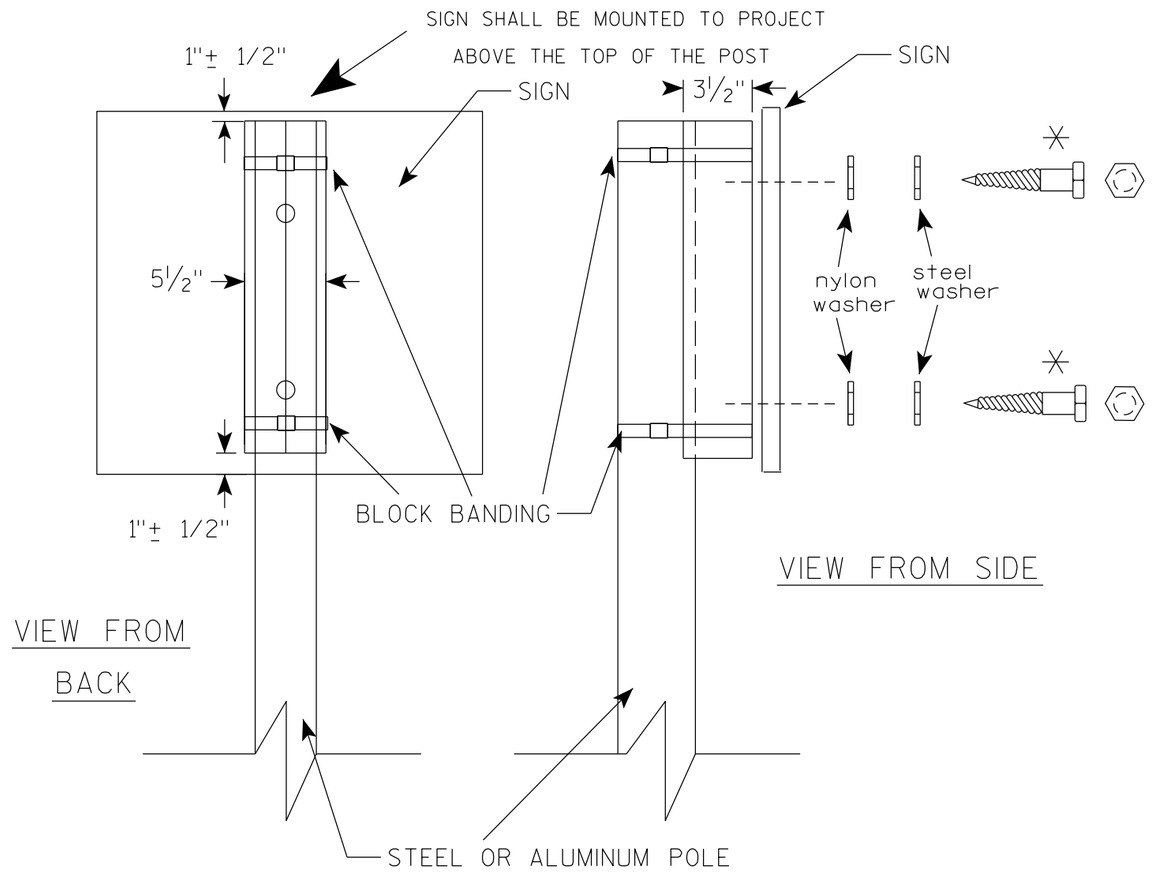
WISCONSIN DEPT OF TRANSPORTATION

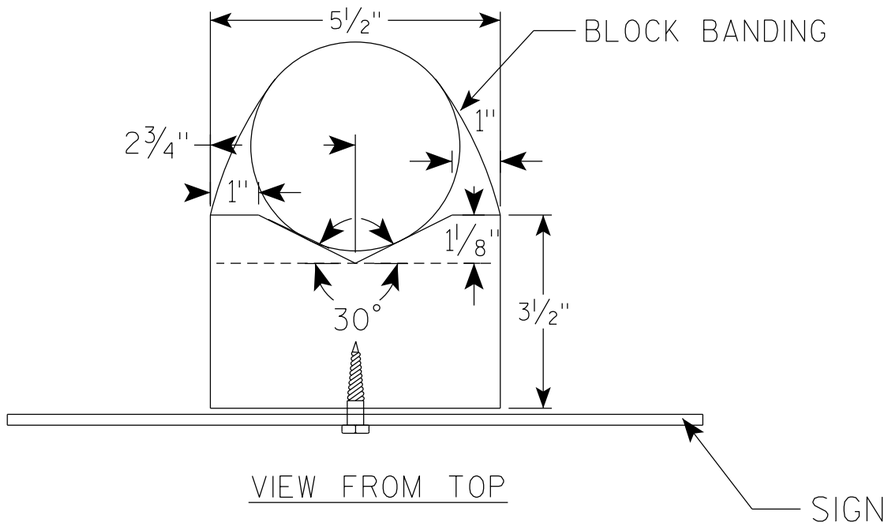
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 277	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





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)

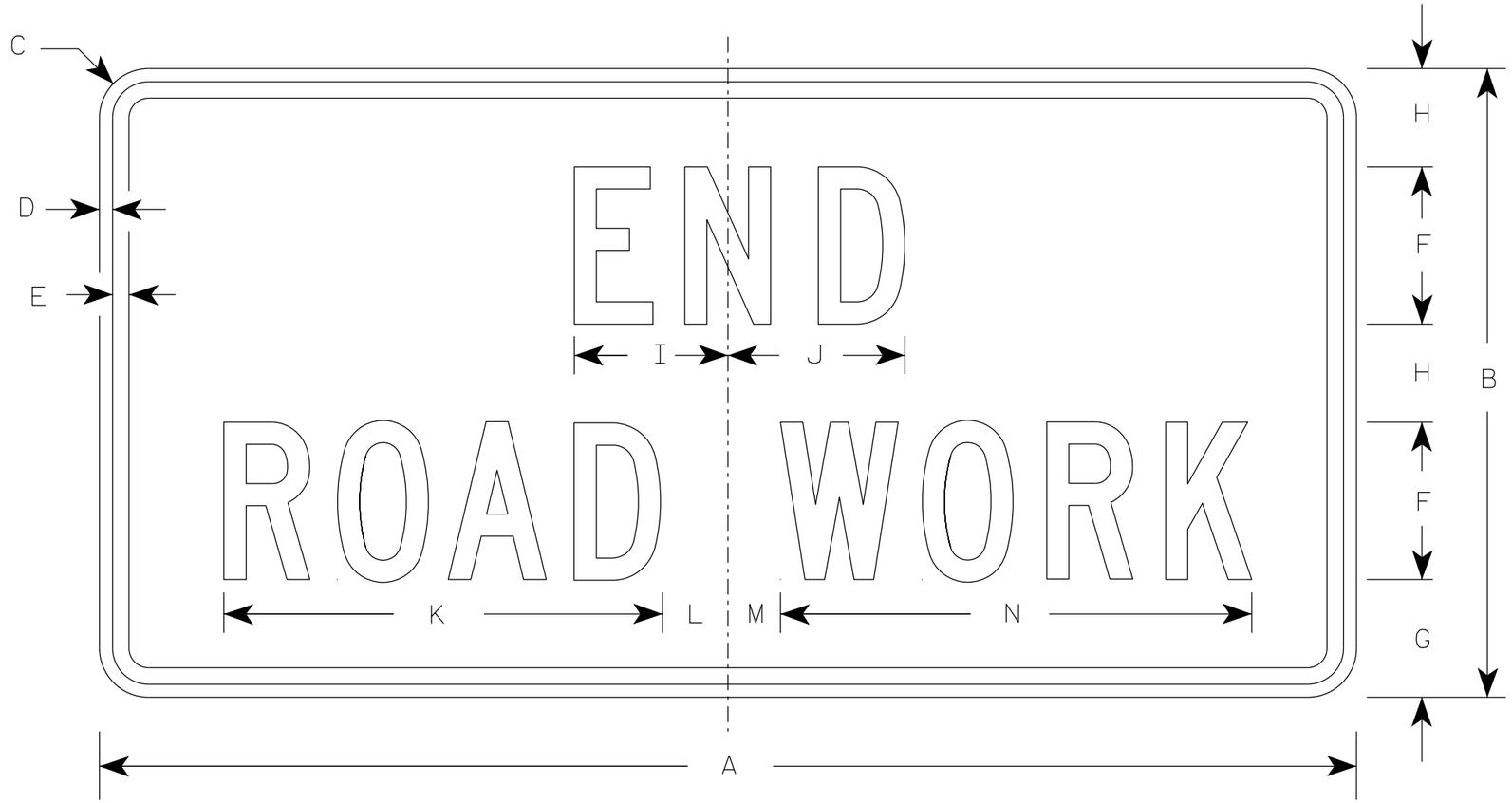
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 278 E



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

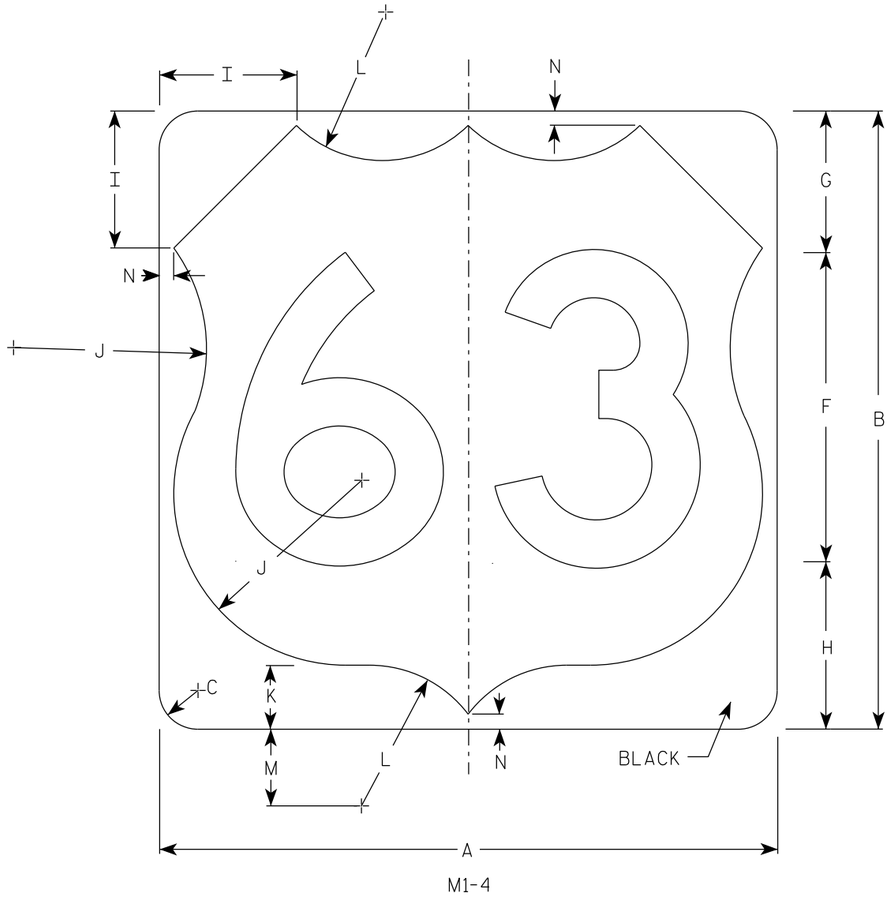
DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 279 E

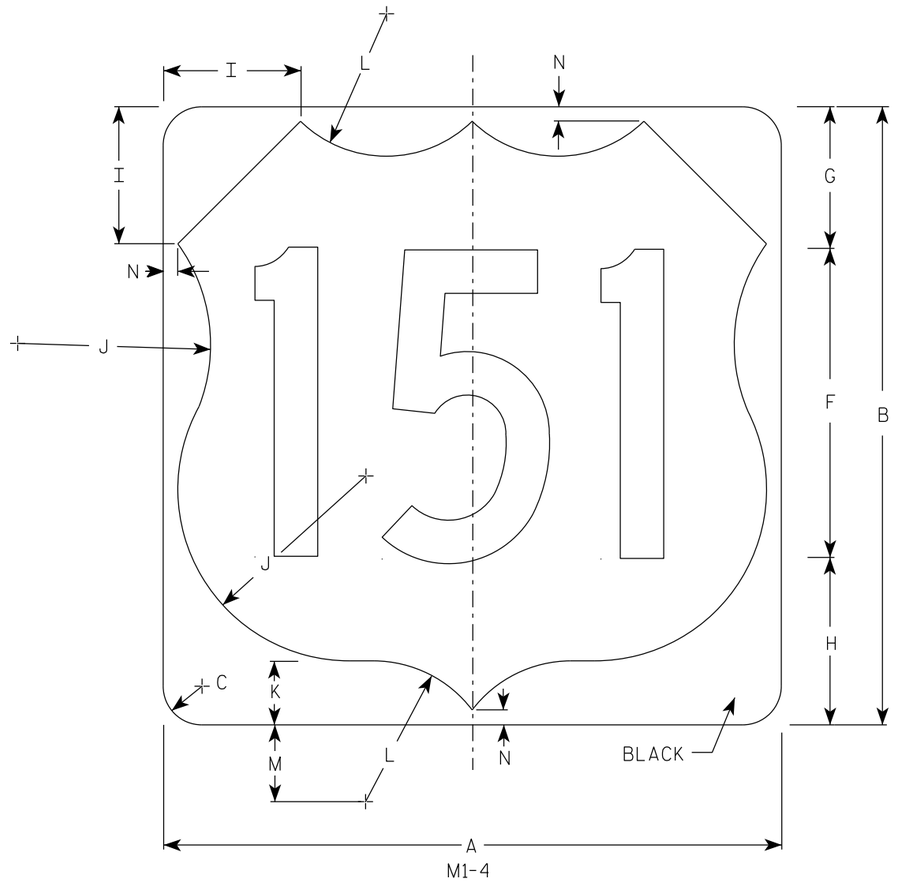
7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	24	1 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0
2M	24	24	1 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0
3	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0
4	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0
5	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0

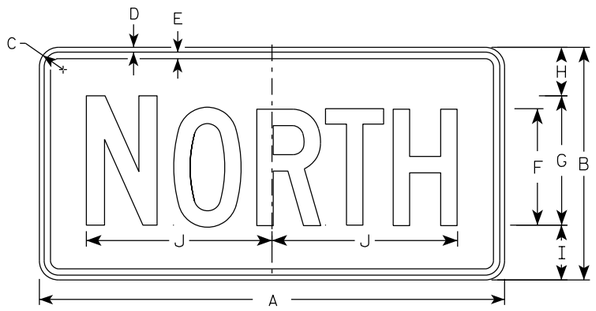
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

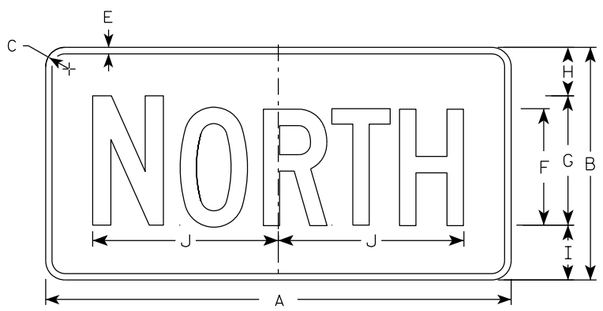
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

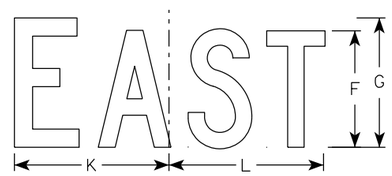
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 280 E



M3-1
MM3-1
MP3-1

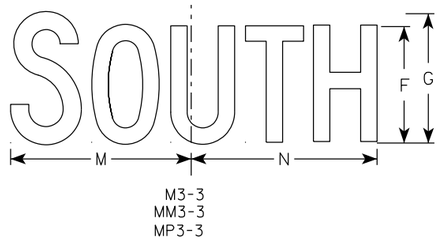


MB3-1
MK3-1
MN3-1

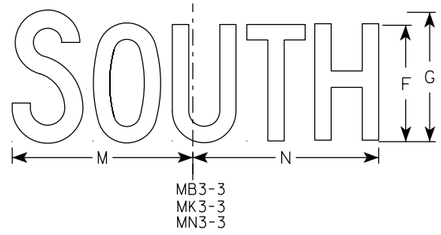


M3-2
MM3-2
MP3-2

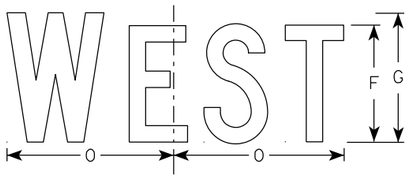
MB3-2
MK3-2
MN3-2



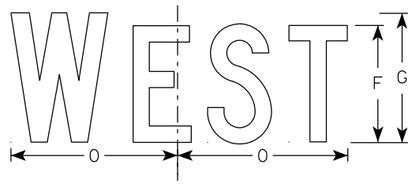
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

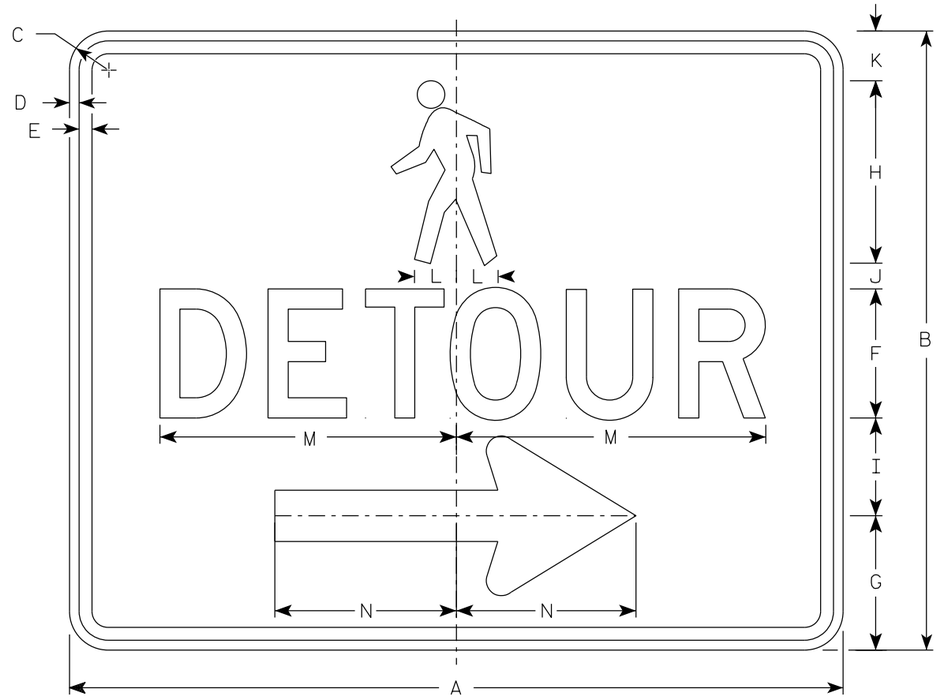
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

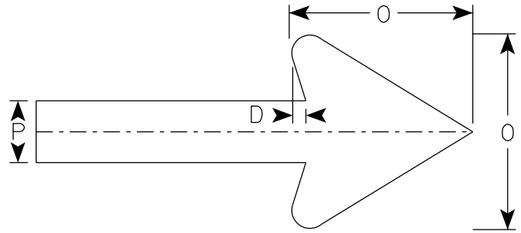
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 281 | E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

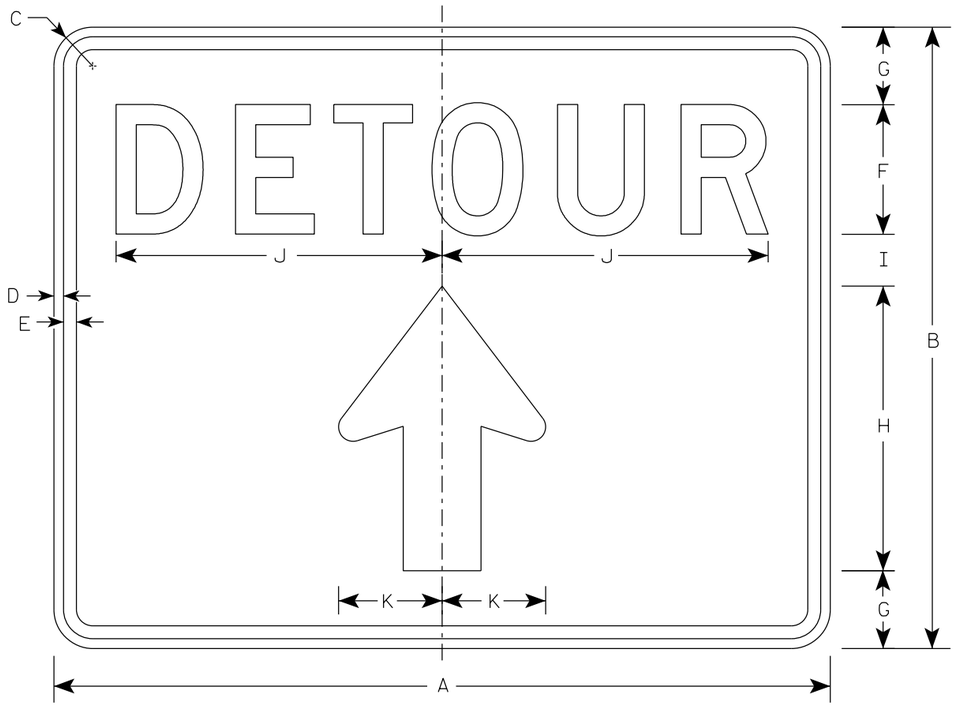
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

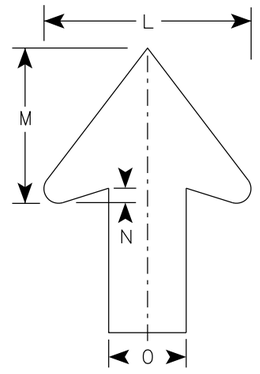
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 | E

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



M4-9RA



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	3	11	2	12 5/8	4	8	6	1/2	3												5.00
2M	30	24	1 1/2	3/8	1/2	5	3	11	2	12 5/8	4	8	6	1/2	3												5.00
3																											
4																											
5																											

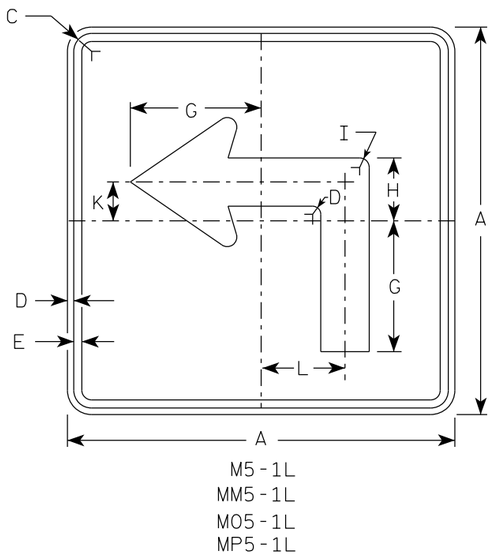
STANDARD SIGN
M4-9RA

WISCONSIN DEPT OF TRANSPORTATION

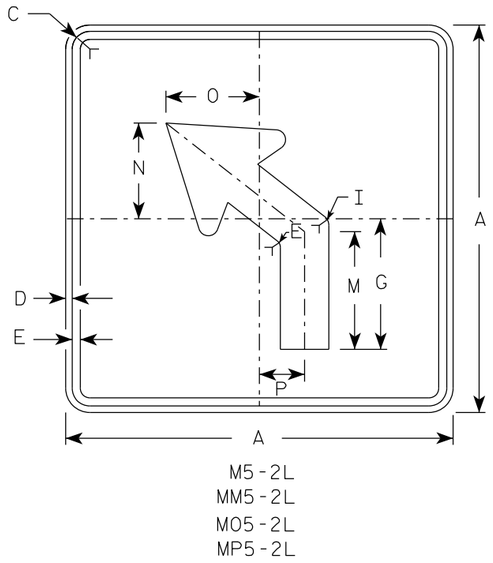
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9RA.3

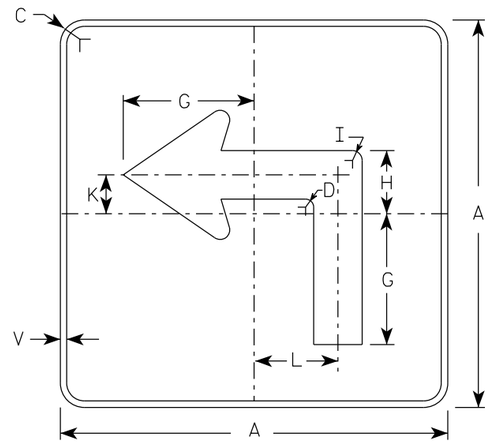
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 283	E



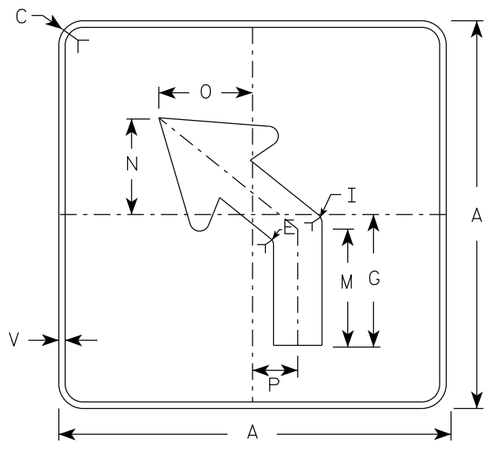
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

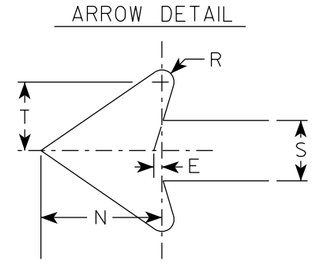


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

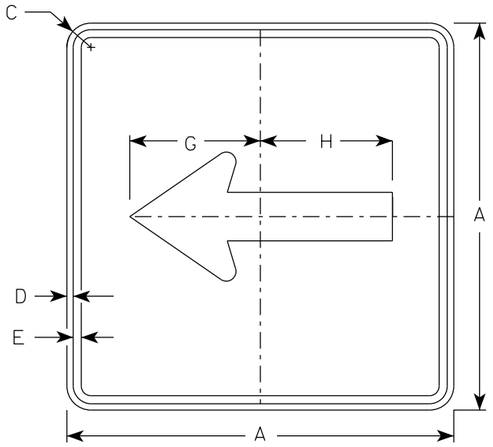
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

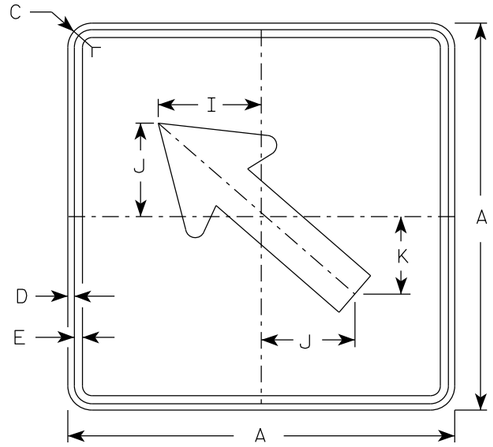
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

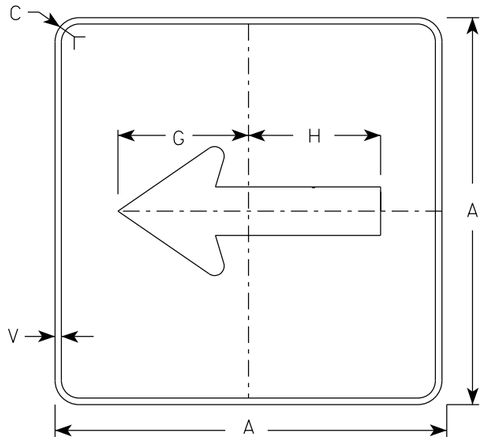
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284 | E



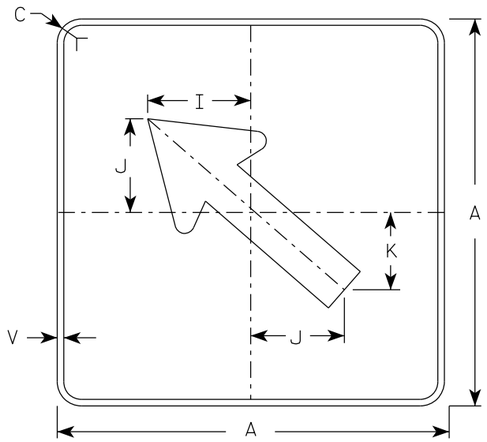
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

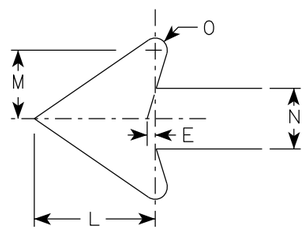


MB6-2
MK6-2
MN6-2
MR6-2

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

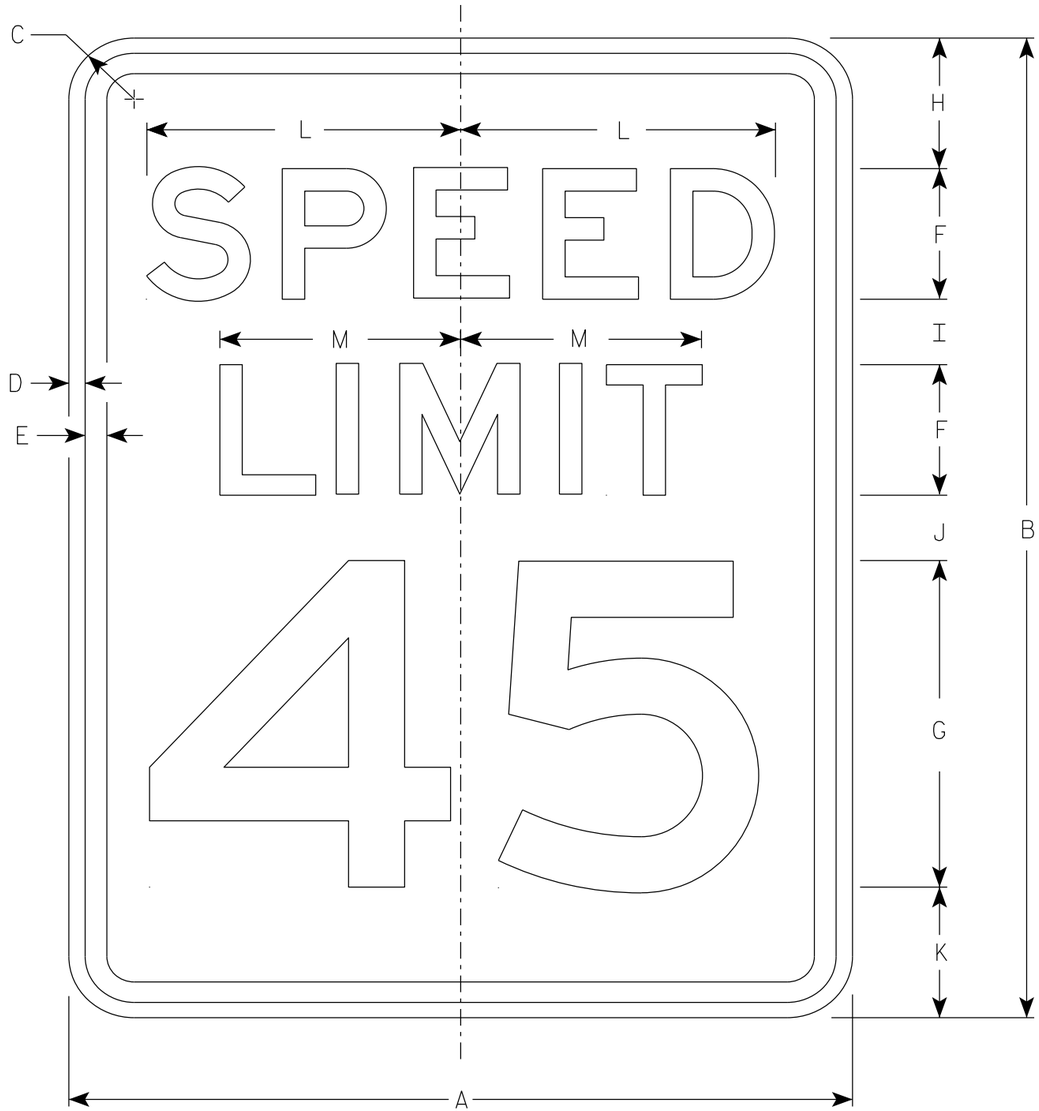
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 285 | E

7

7



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

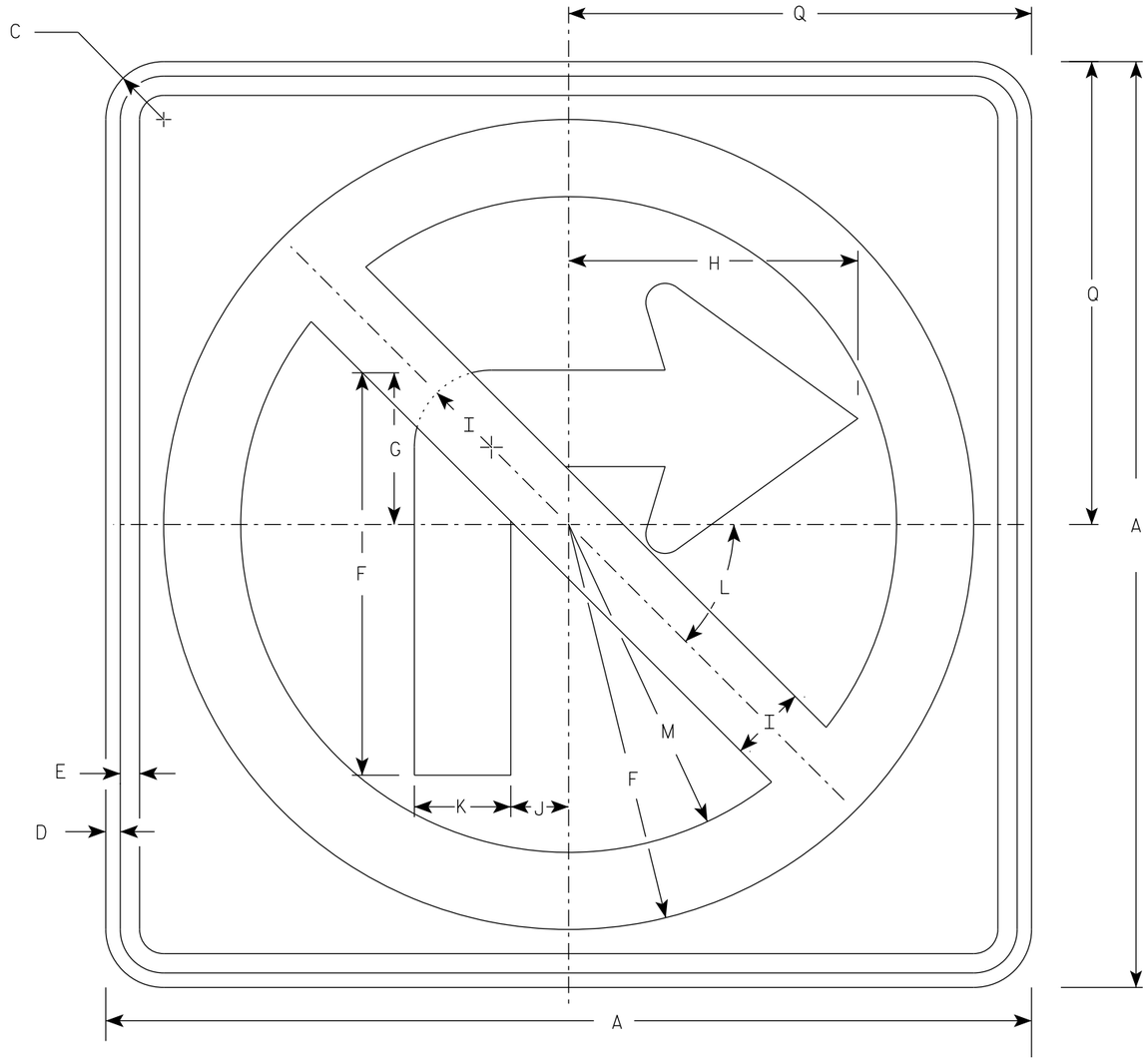
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

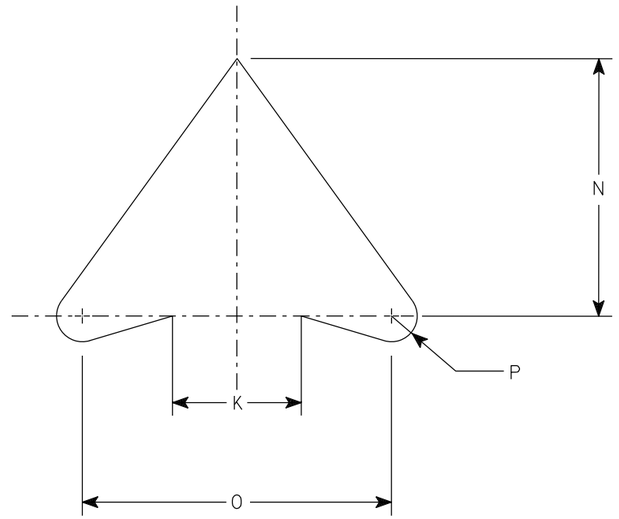
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45	8 ½	5	6	½	12										4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½	12										4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾	18										9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

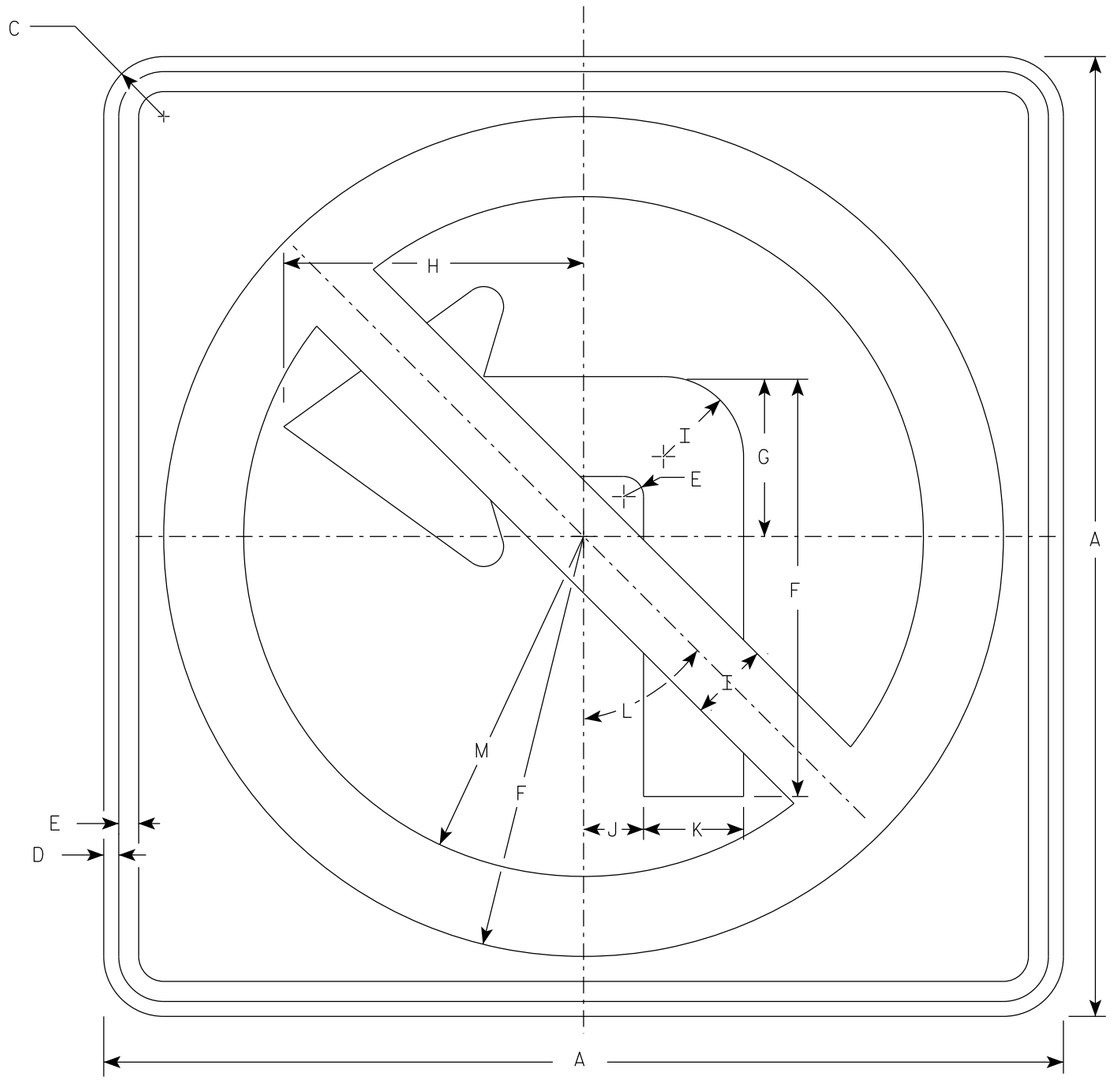
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

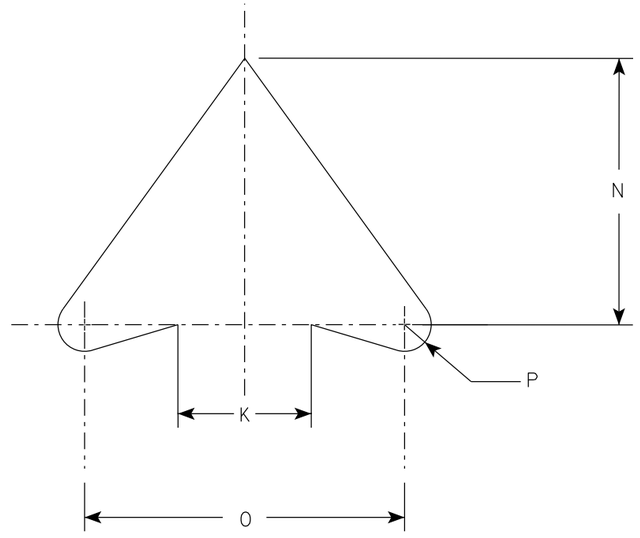
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E

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

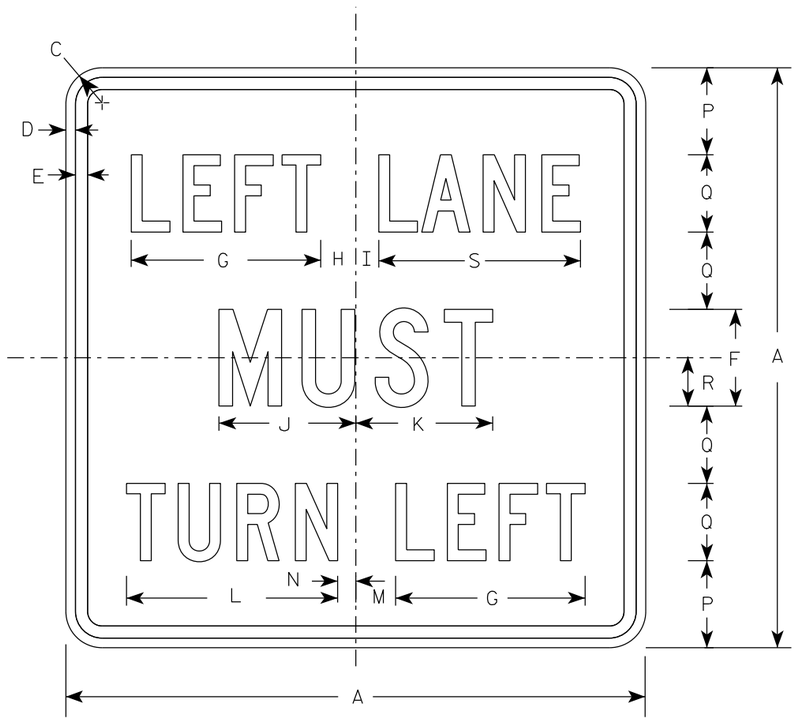
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

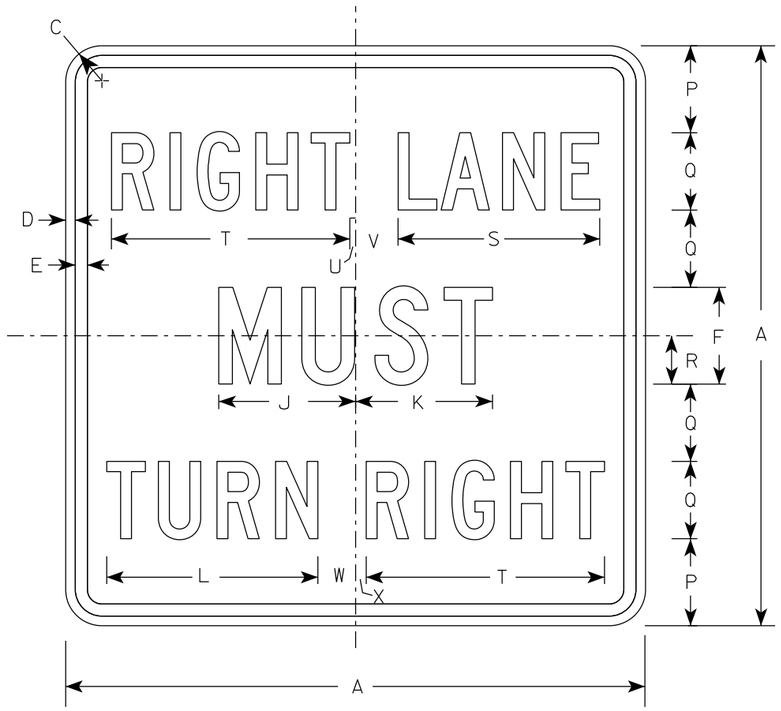
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 288 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C



R3-7L



R3-7R

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	5	9 3/4	1 7/8	1 1/8	7 1/8	7 1/8	10 7/8	2	1		4 1/2	4	2 1/2	10 3/8	12 3/8	1/4	2 1/4	2	1/2			6.25
2S	30		1 7/8	1/2	5/8	5	9 3/4	1 7/8	1 1/8	7 1/8	7 1/8	10 7/8	2	1		4 1/2	4	2 1/2	10 3/8	12 3/8	1/4	2 1/4	2	1/2			6.25
2M	30		1 7/8	1/2	5/8	5	9 3/4	1 7/8	1 1/8	7 1/8	7 1/8	10 7/8	2	1		4 1/2	4	2 1/2	10 3/8	12 3/8	1/4	2 1/4	2	1/2			6.25
3	36		2 1/4	5/8	3/4	6	11 3/4	2 1/8	1 3/8	8 1/2	8 1/2	13 1/8	2 1/8	1 1/8		5 3/8	4 3/4	3	12 1/2	14 3/4	3/8	2 5/8	2 3/8	5/8			9.00
4	48		3	3/4	1	8	15 5/8	2 7/8	1 7/8	11 3/8	11 3/8	17 1/2	3 1/4	1 1/2		7 1/8	6 3/8	4	16 3/4	19 3/4	1/2	3 1/2	3 1/8	7/8			16.00
5																											

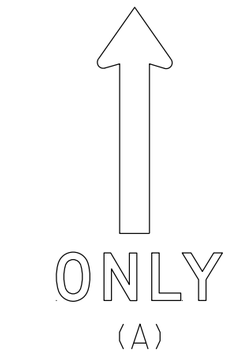
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

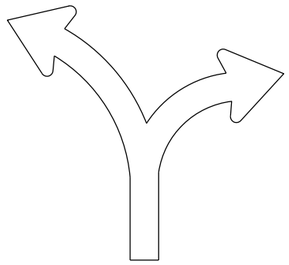
DATE 7/16/25 PLATE NO. R3-7.5

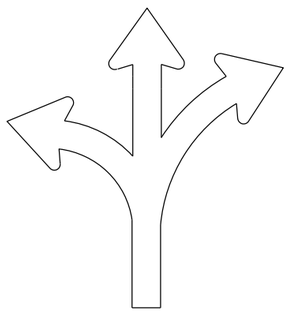
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E

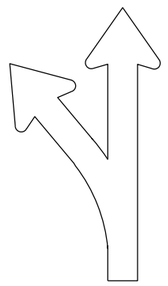


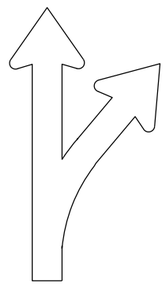
(A)

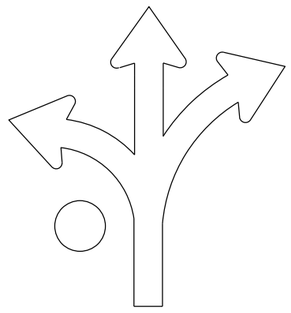
(B)

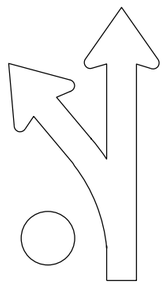

(C)

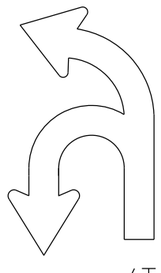

(D)

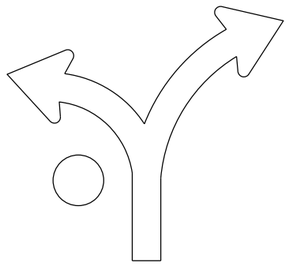

(E)

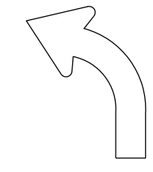

(F)


(G)

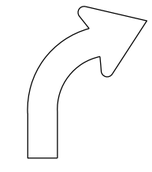

(H)


(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

7

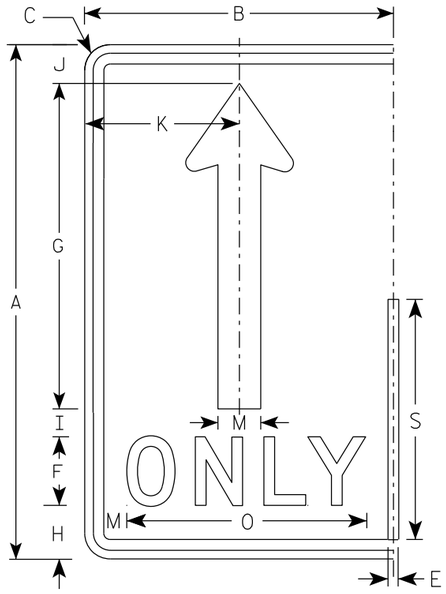
7

PROJECT NO:

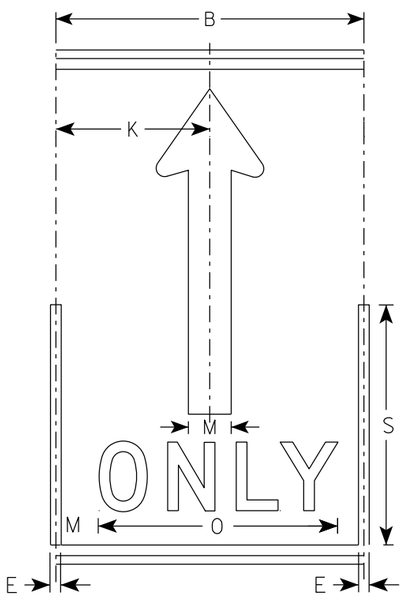
SHEET NO: 290 E

NOTES

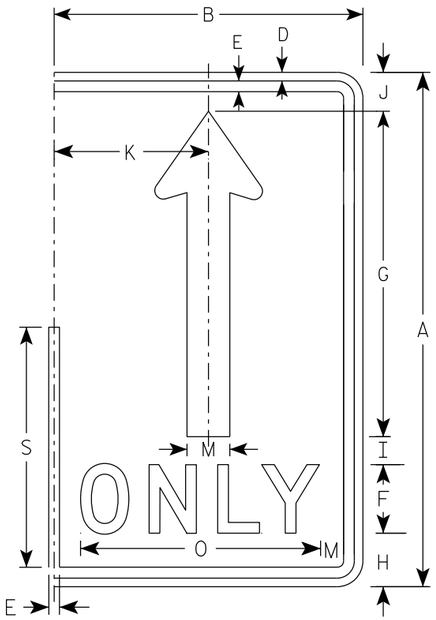
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



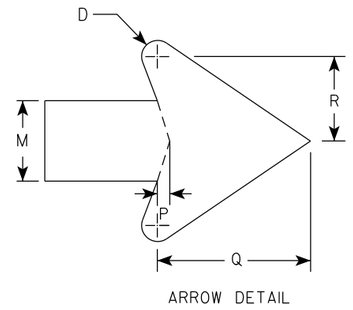
(A)



(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

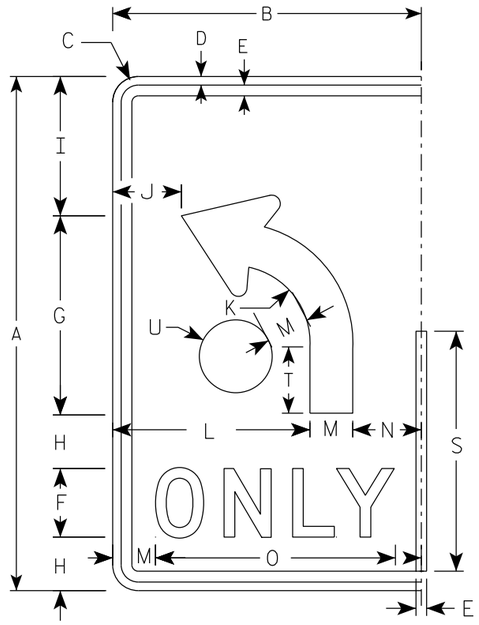
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

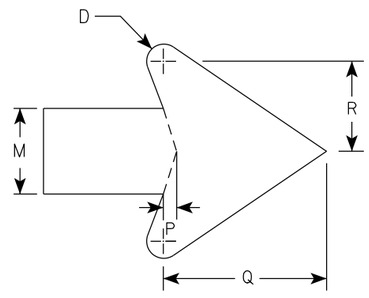
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | E

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

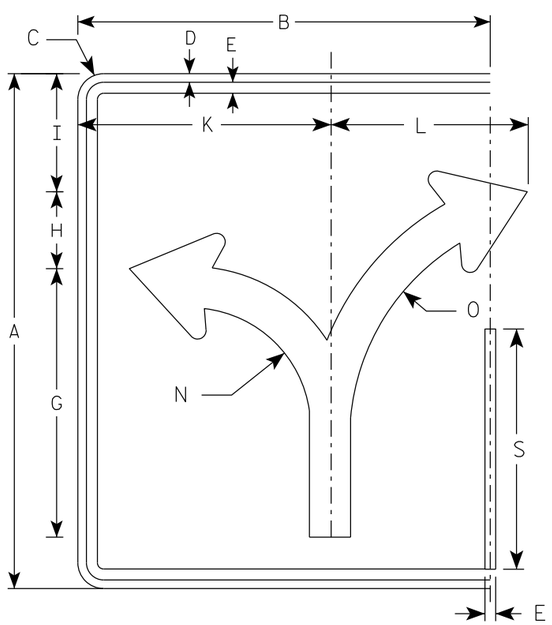
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

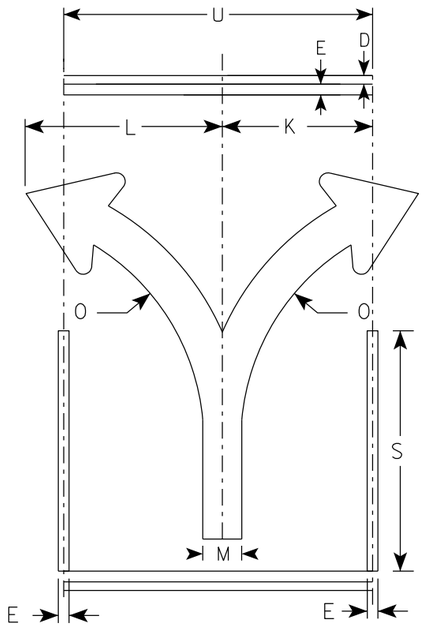
SHEET NO: 292 E

NOTES

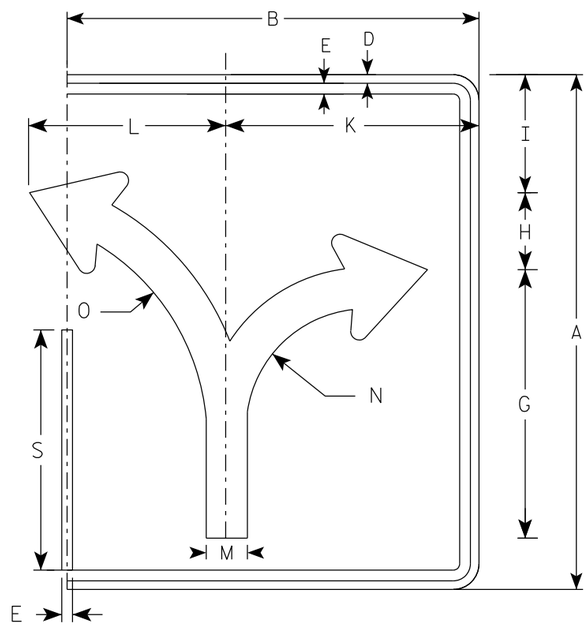
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



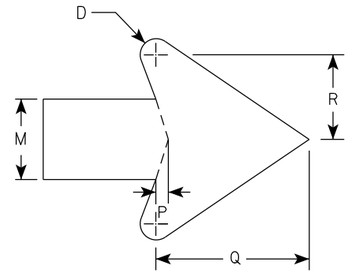
(C)



(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

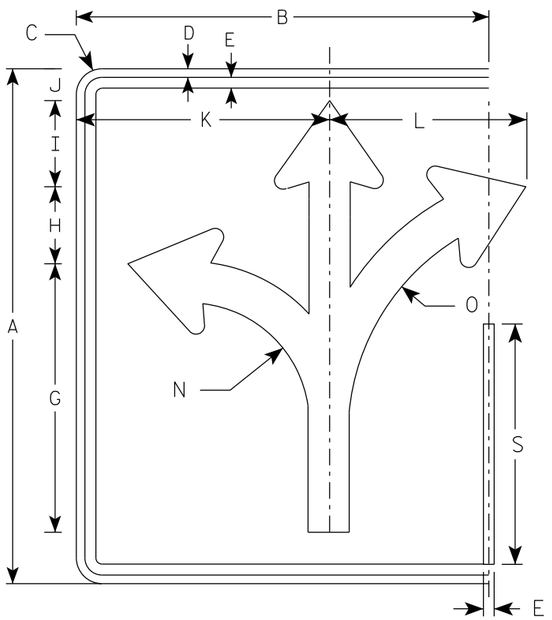
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

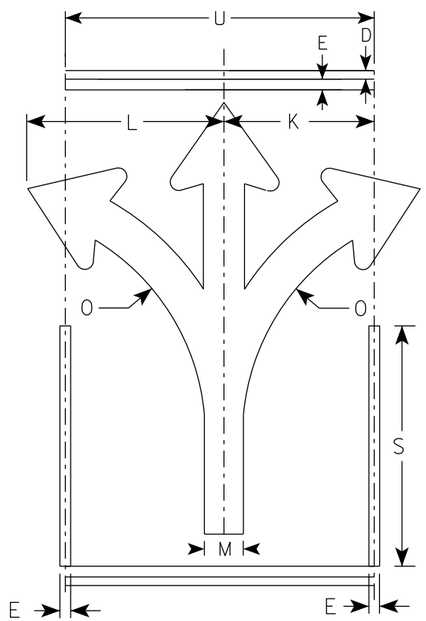
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 293 E

NOTES

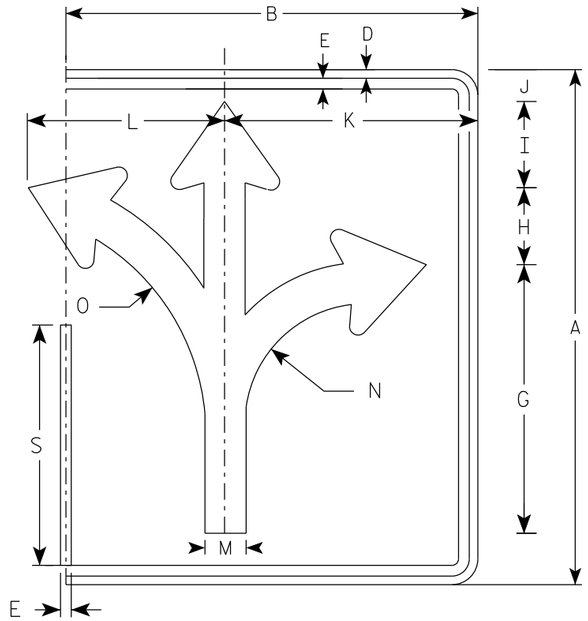
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



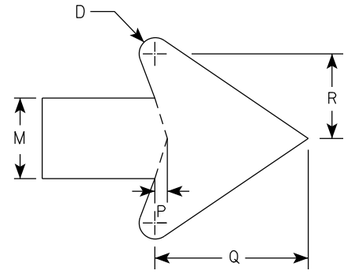
(D)



(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

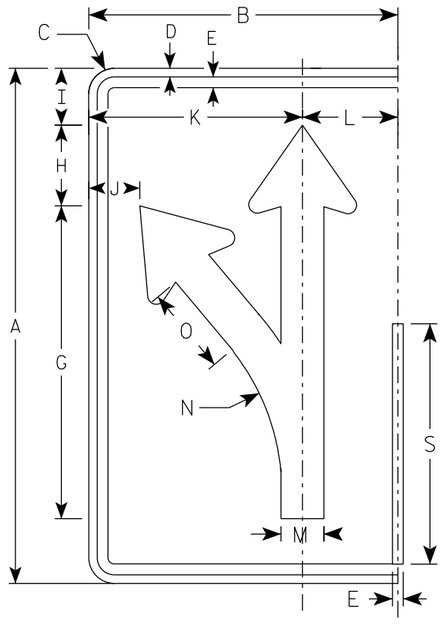
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

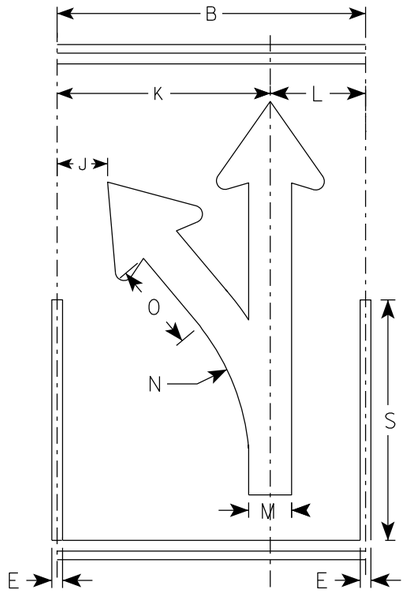
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E

NOTES

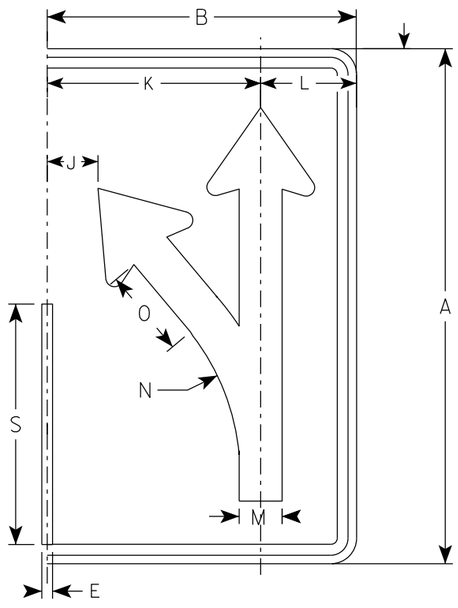
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



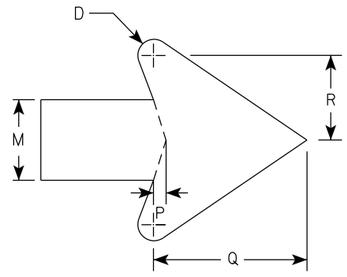
(E)



(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

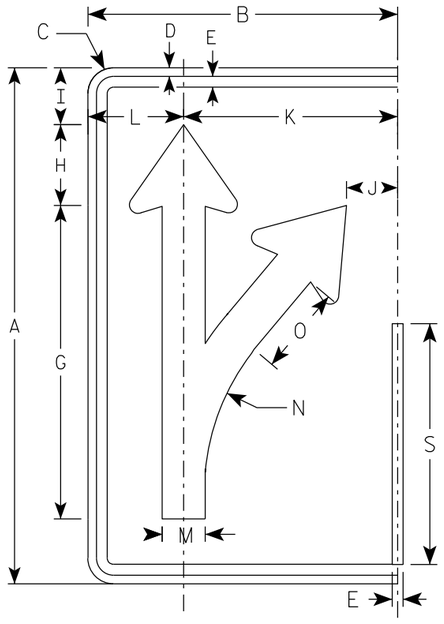
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E

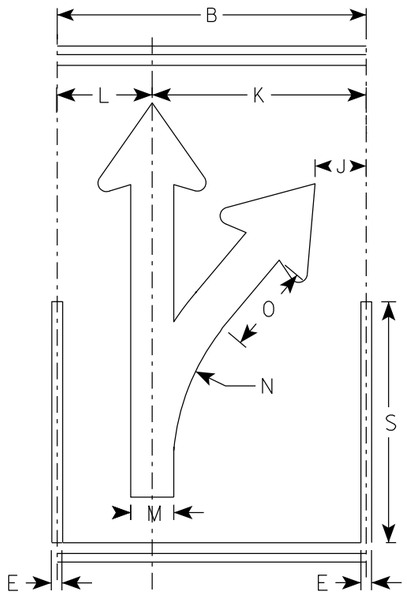
7

NOTES

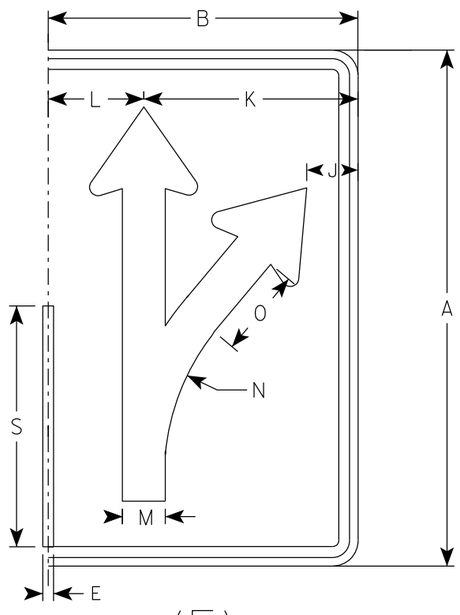
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



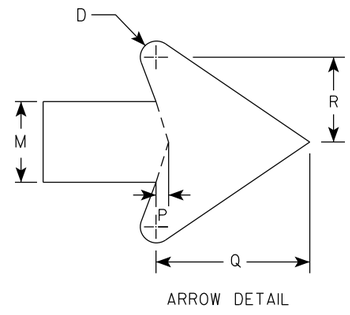
(F)



(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

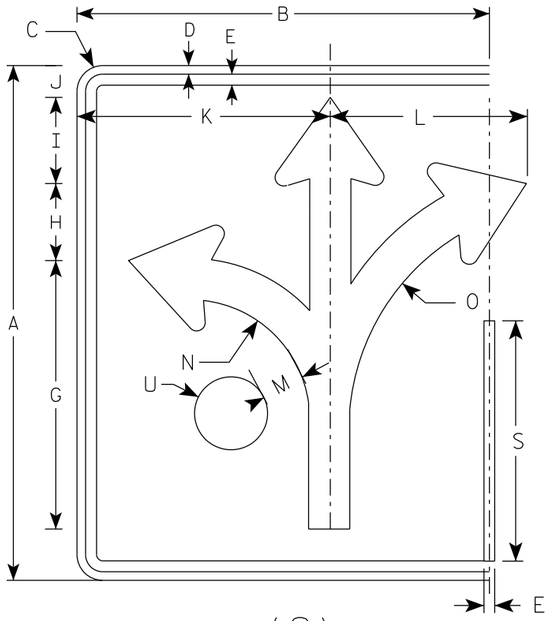
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

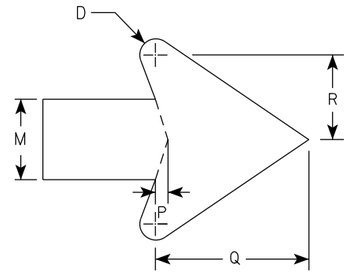
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E

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

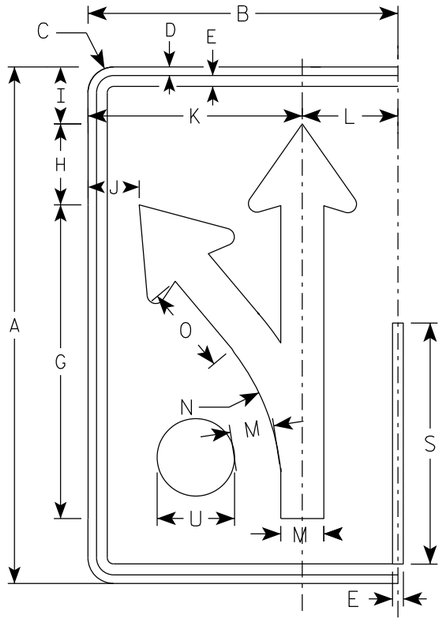
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

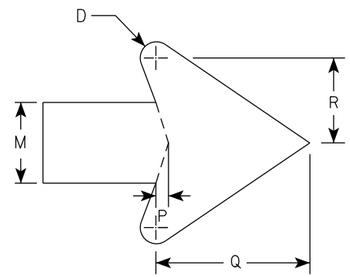
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 297	E

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

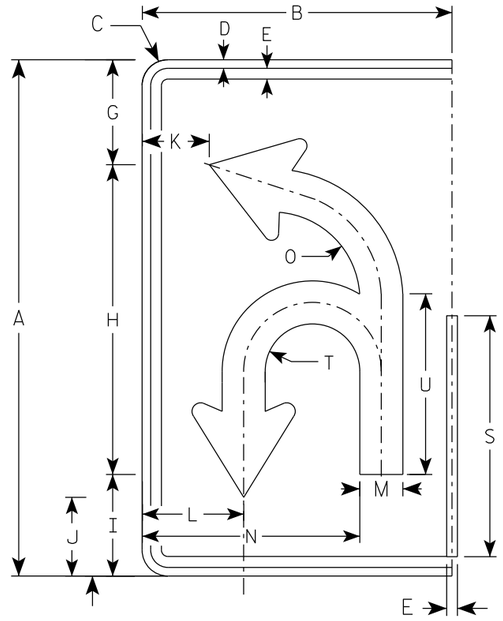
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

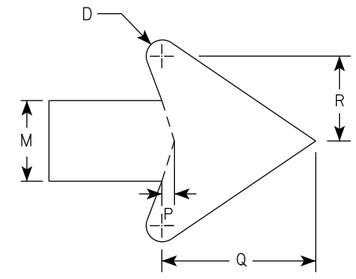
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 298 | E

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

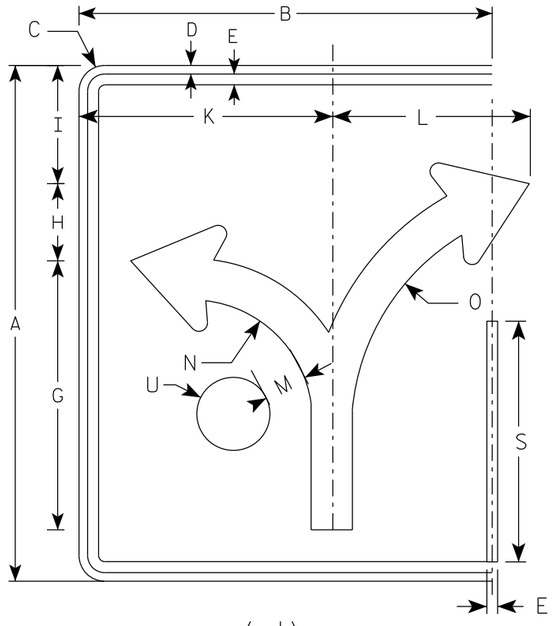
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

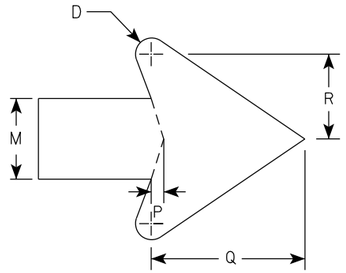
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

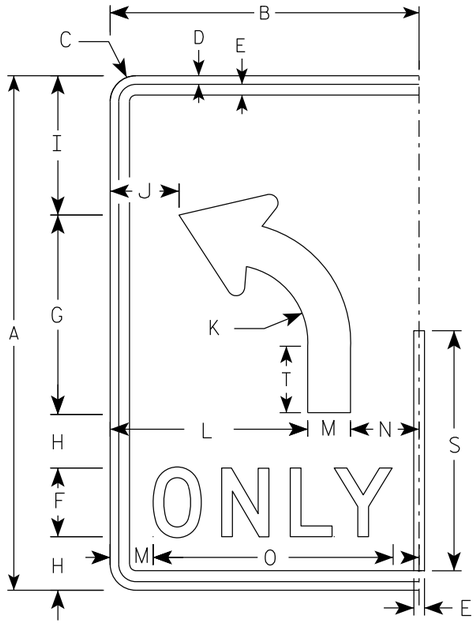
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 300 | E

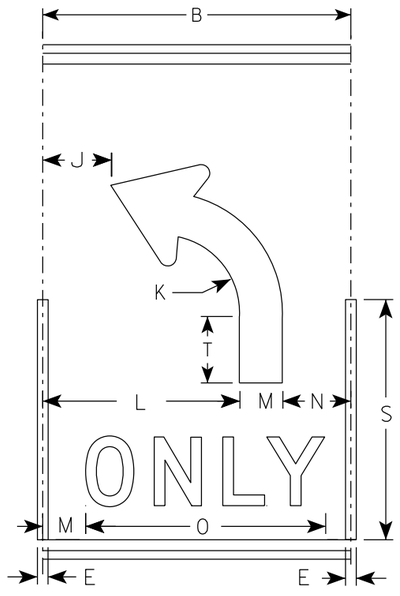
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

NOTES

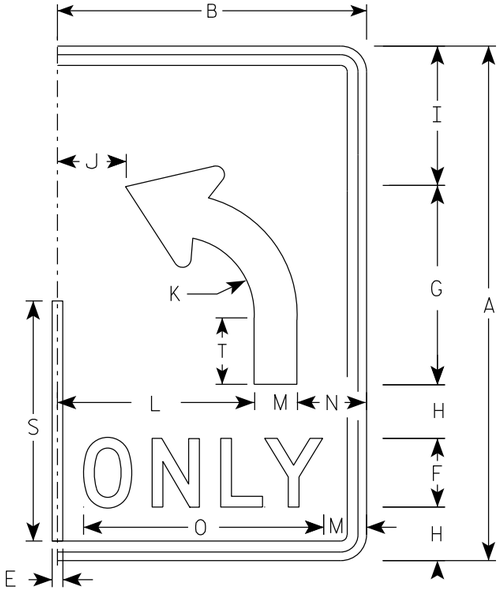
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



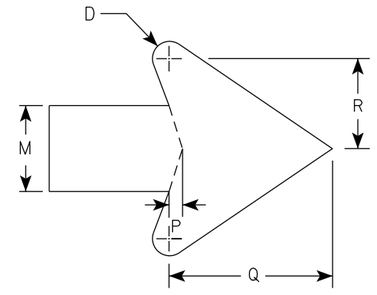
(L)



(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: 301 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:02 PLOT BY : mscj9h PLOT NAME :

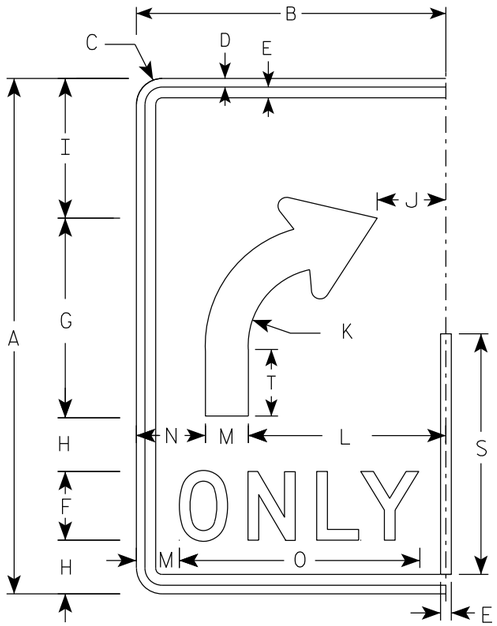
WISDOT/CADDS SHEET 42

7

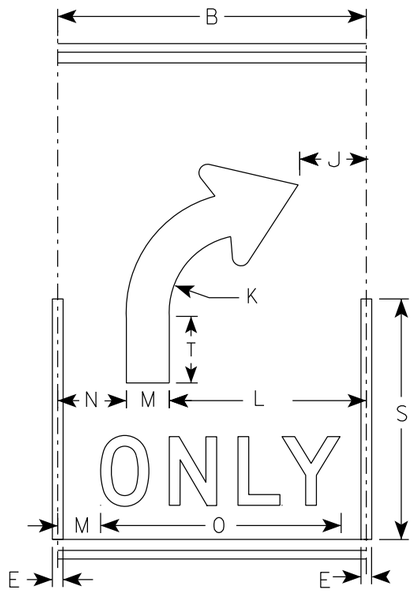
7

NOTES

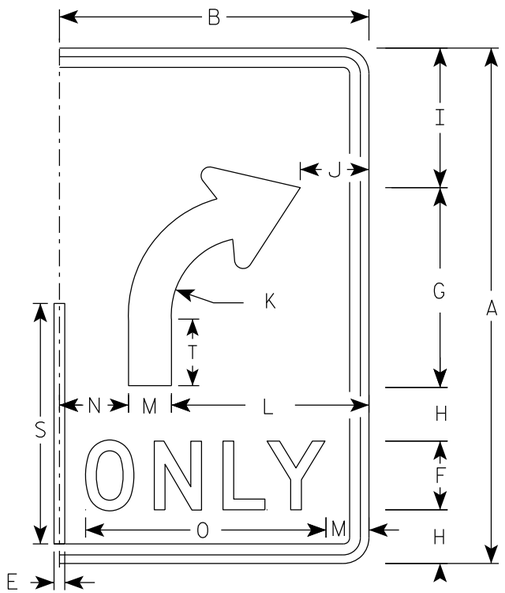
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



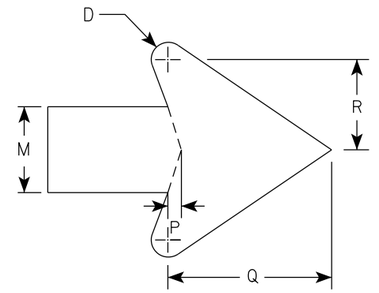
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

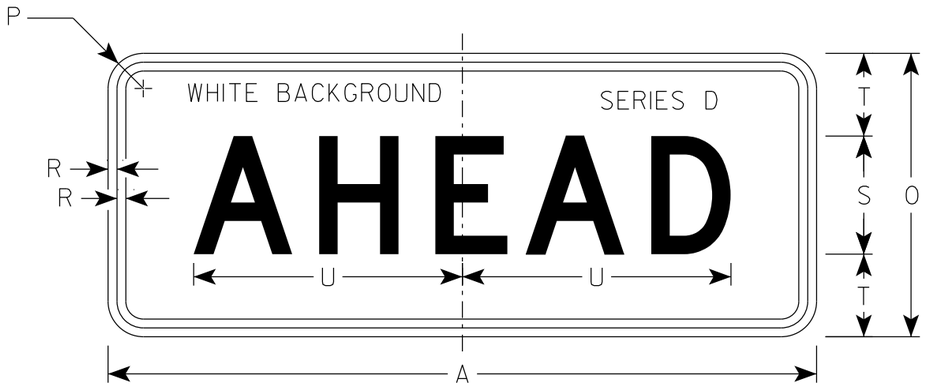
PROJECT NO:

SHEET NO: 302 E

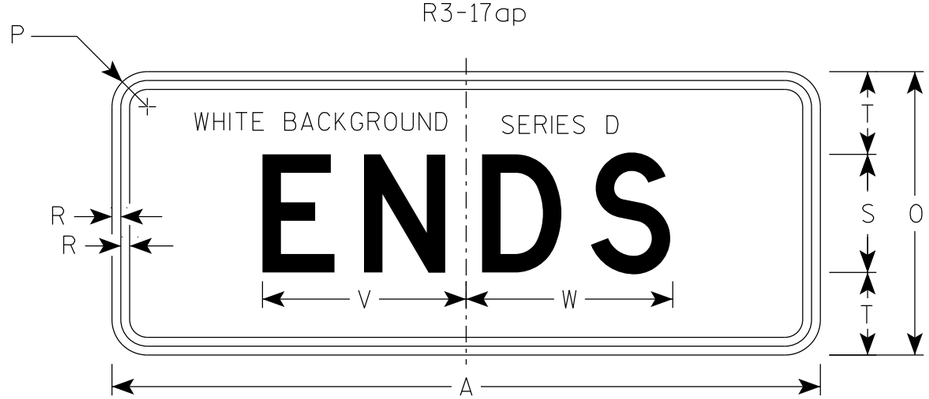
R3-17

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted



R3-17ap



R3-17bp

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	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/2	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/2	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/2	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/2	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

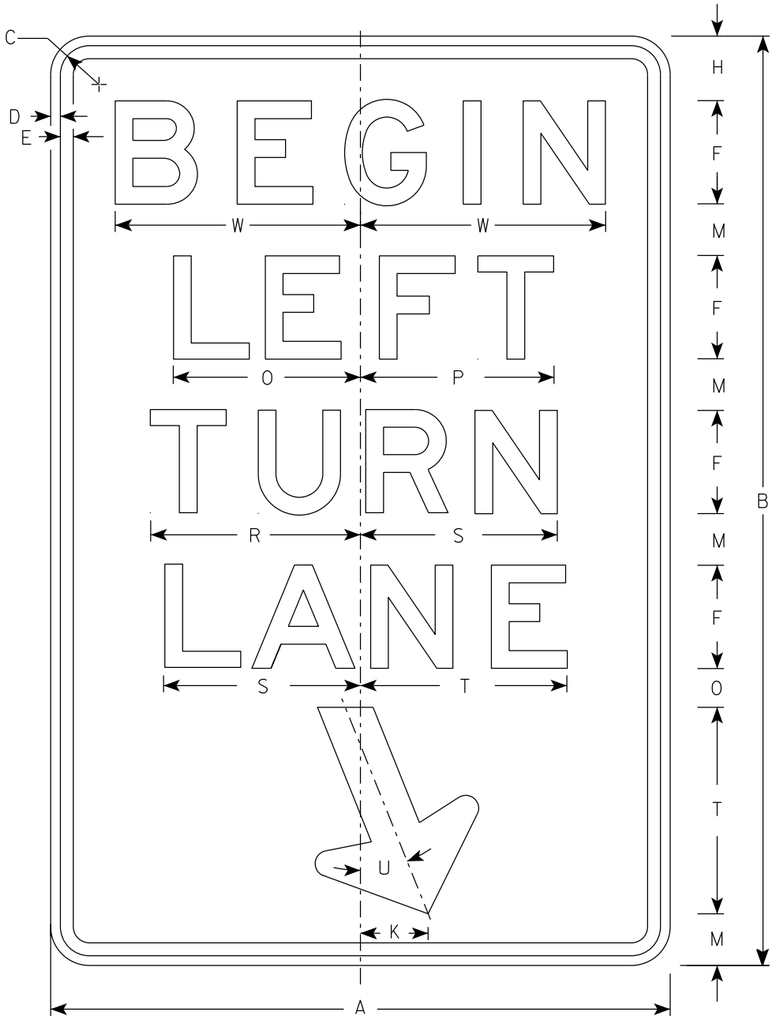
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-17.3

PROJECT NO:

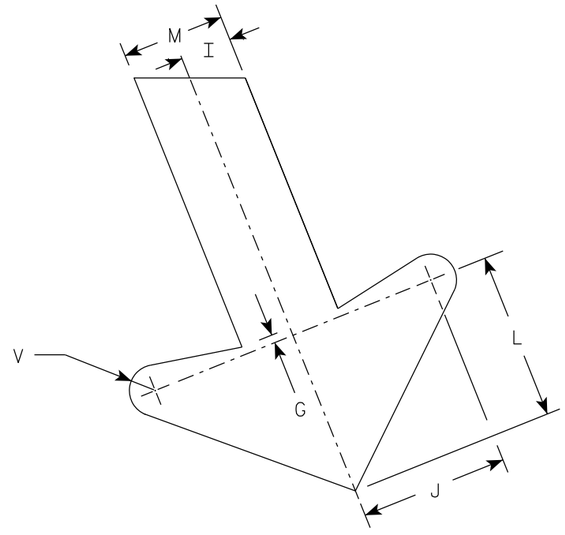
SHEET NO: 303 E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

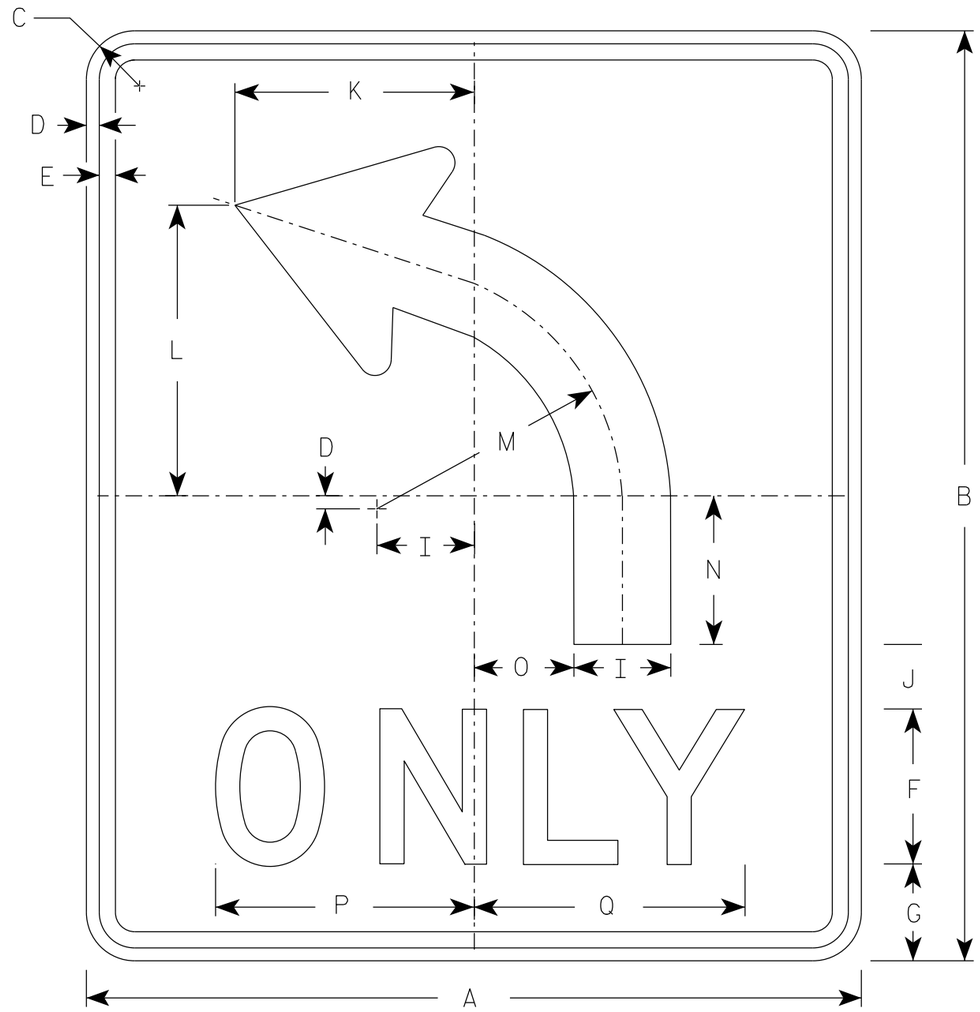
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

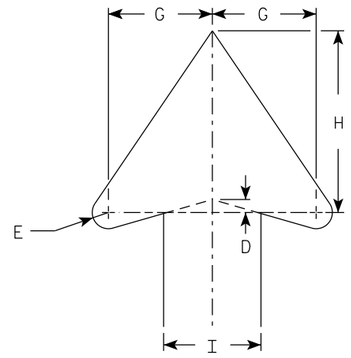
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R3-50R is the same as R3-50L except curved portion of arrow points right.



R3-50L



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	36	1 7/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 7/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

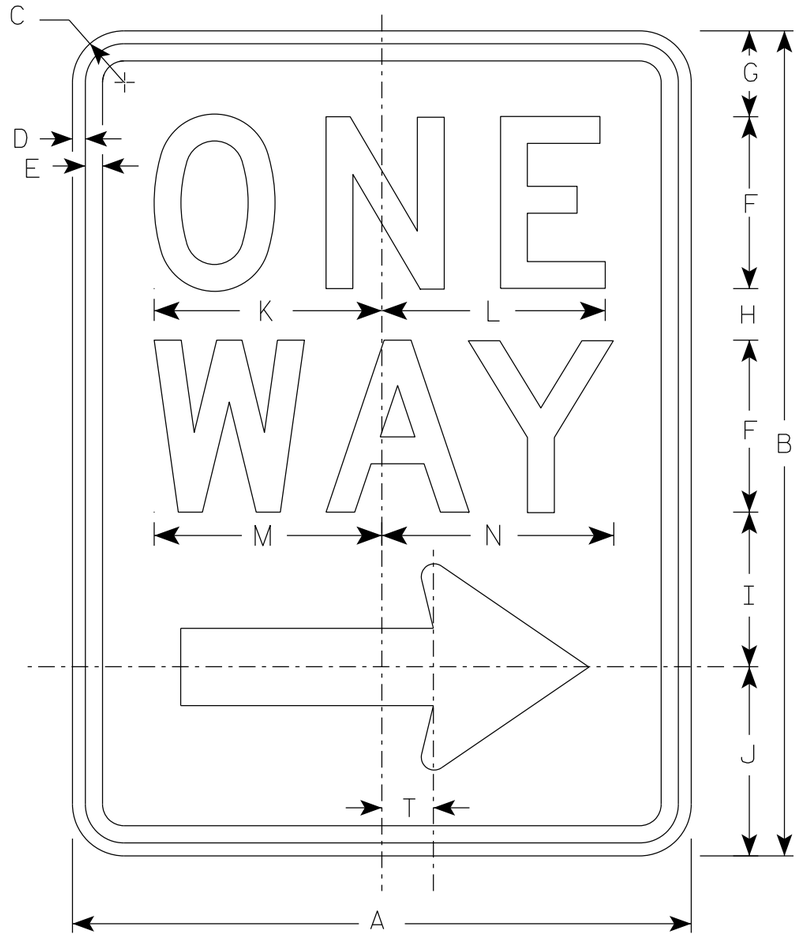
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-50.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E

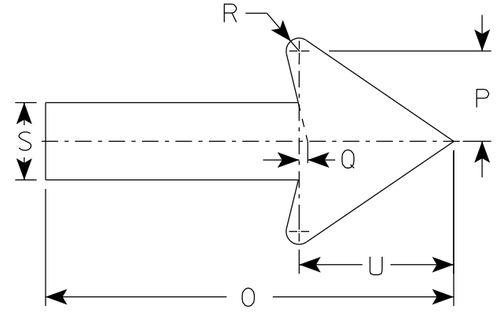
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

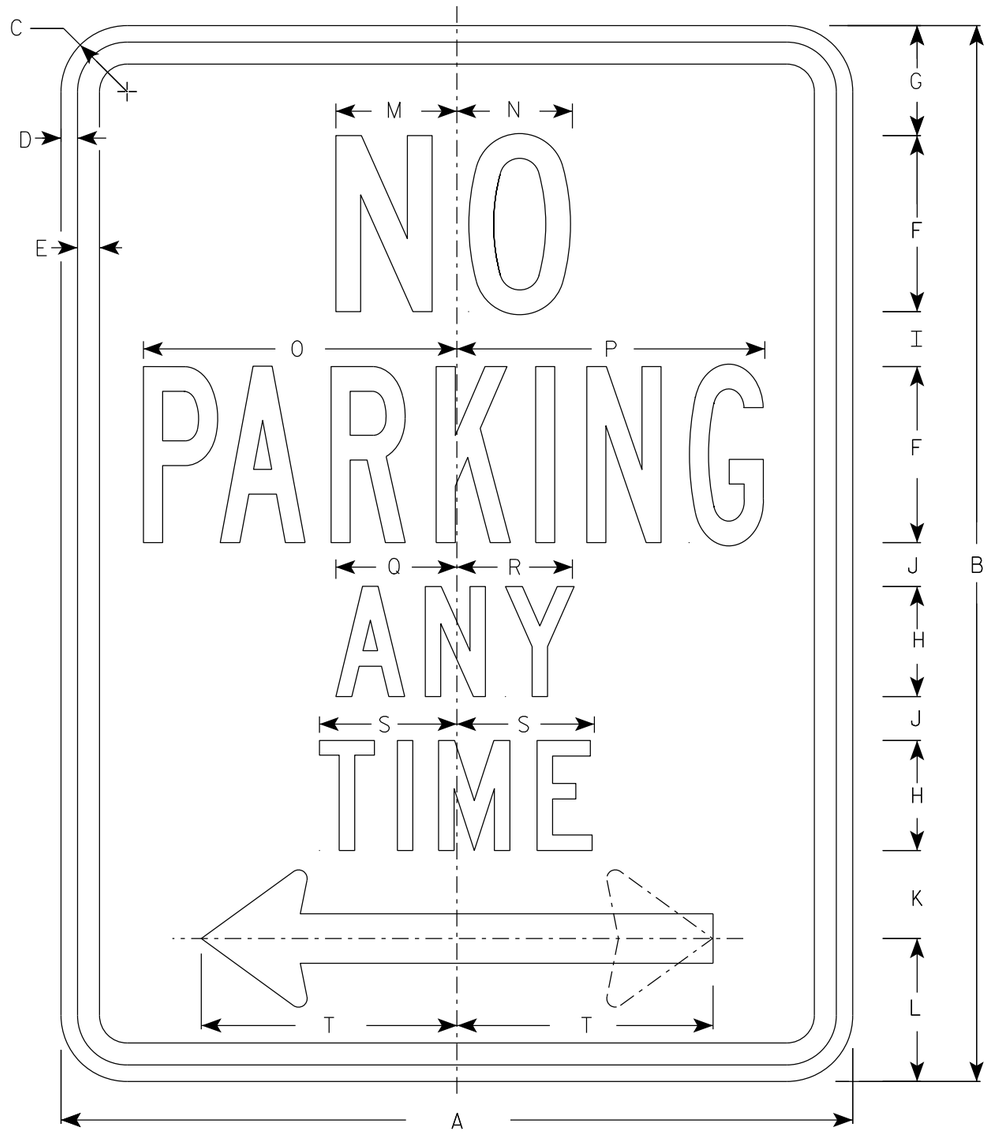
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 306	E

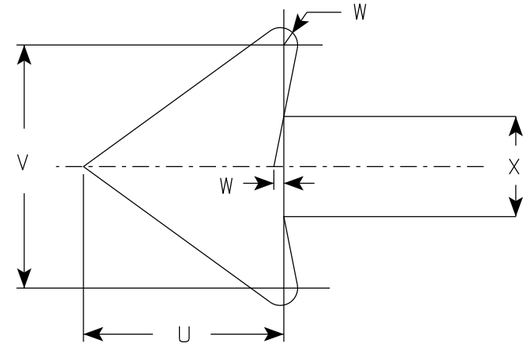


R7-1

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

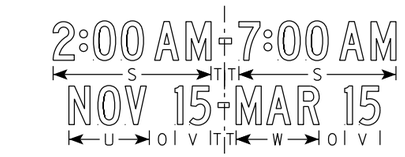
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.dgn PLOT DATE : 26-OCT 2023 2:48 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

R7-66

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See Note 5
   Message - See Note 5
3. Message Series - C
4. Top symbol and legend are White Type H Reflective with Red background.
   Bottom legend is Red with White Type H Reflective background.
5. Line 1 of Sign - Optically Center the Municipality designation.
6. A maximum of three supplemental messages shall be used.
7. Additional allowable supplemental messages:



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	48	1 7/8	5/8	1/2	5	3	2 1/2	4	11 3/8	18 5/8	9 1/2	5 7/8	8 7/8	2	4 1/2	15 3/8	5 3/8	12 1/4	1	6 1/4	2 3/4	6 1/2	13 3/4	7 1/8		16.0
2M	48	48	1 7/8	5/8	1/2	5	3	2 1/2	4	11 3/8	18 5/8	9 1/2	5 7/8	8 7/8	2	4 1/2	15 3/8	5 3/8	12 1/4	1	6 1/4	2 3/4	6 1/2	13 3/4	7 1/8		16.0
3																											
4																											
5																											

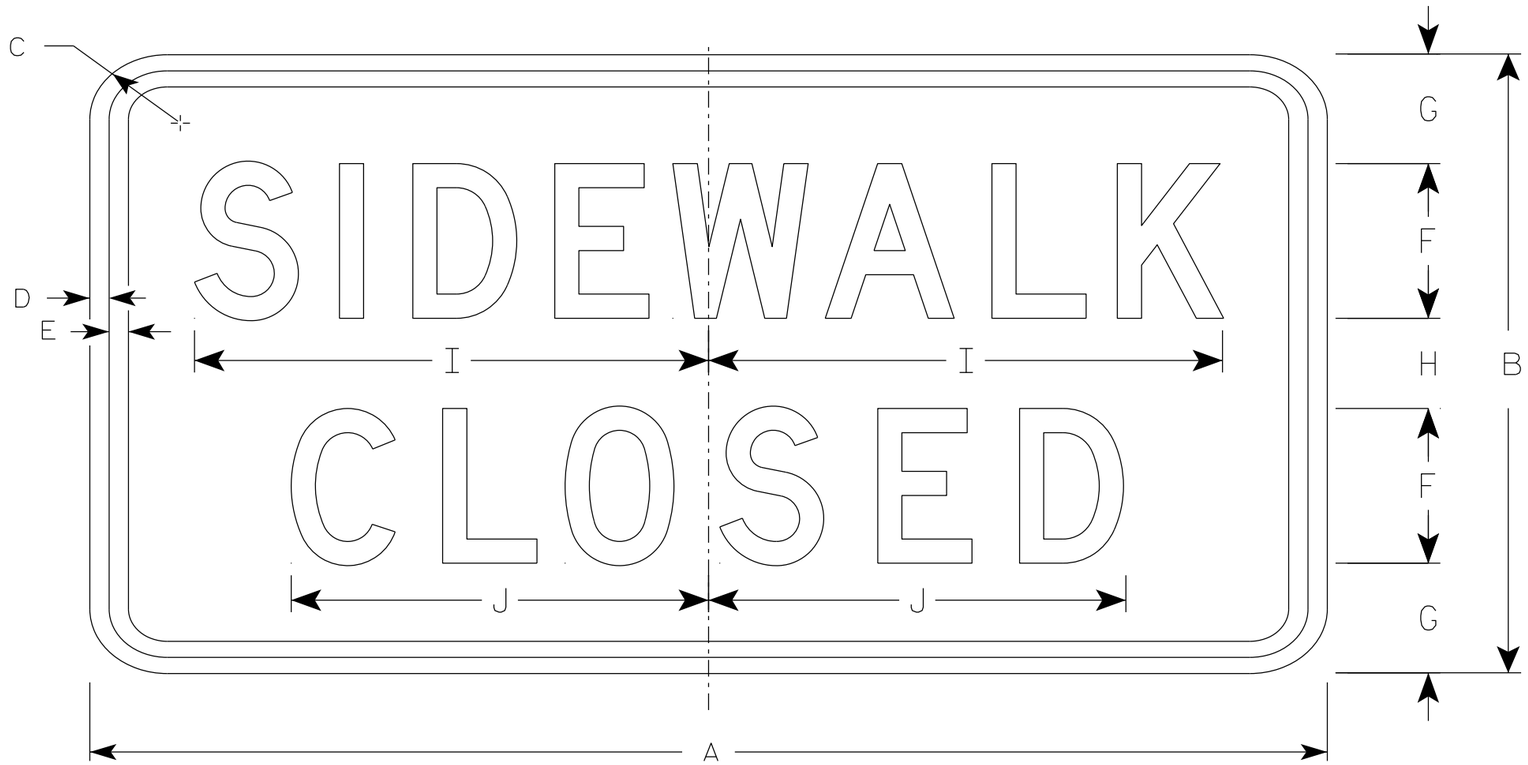
STANDARD SIGN
R7-66

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/24 PLATE NO. R7-66.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 | 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

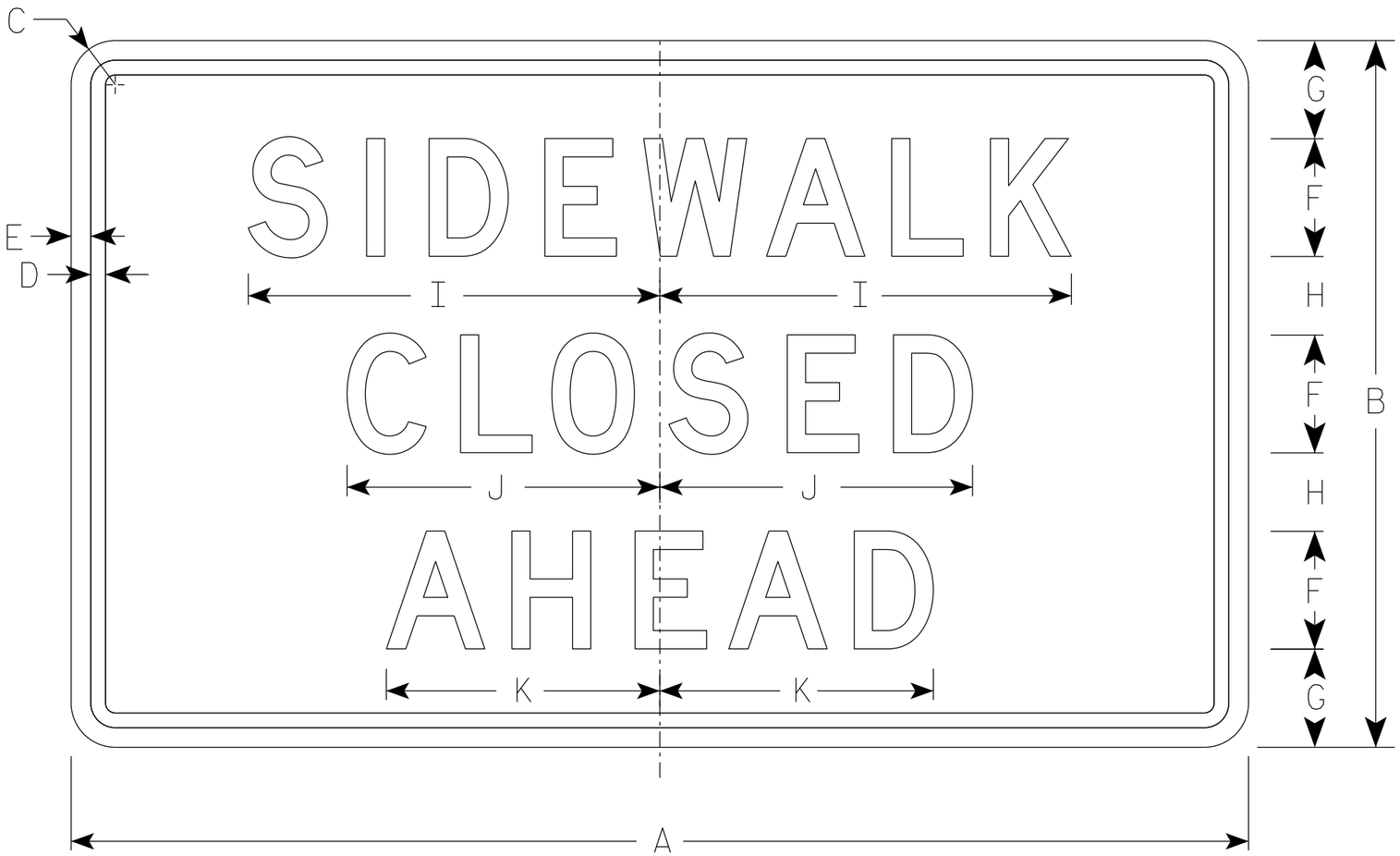
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | 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																											

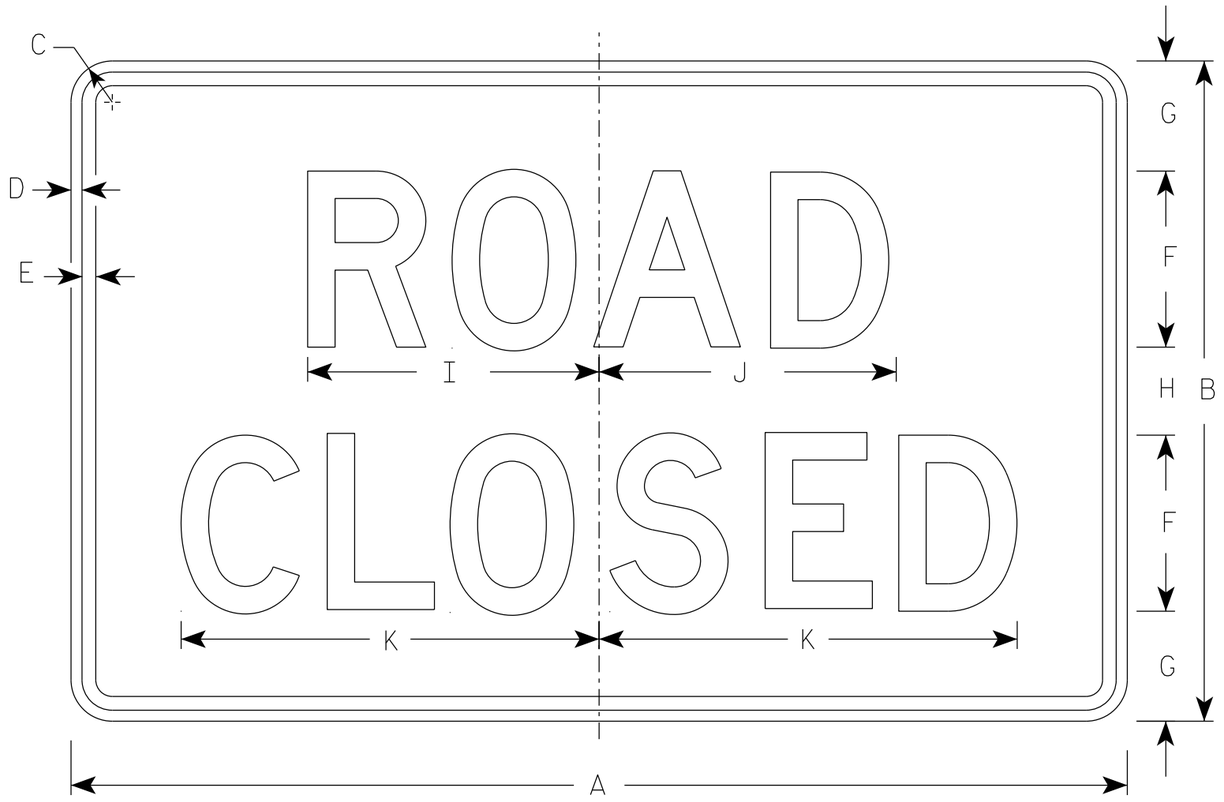
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

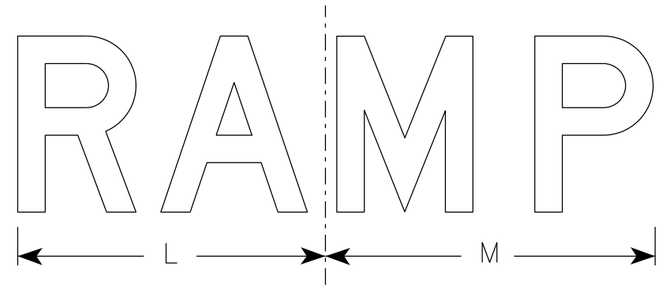
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E



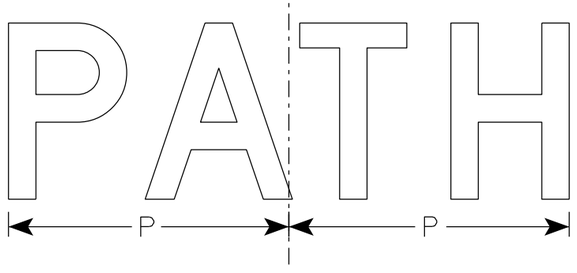
R11-2

NOTES

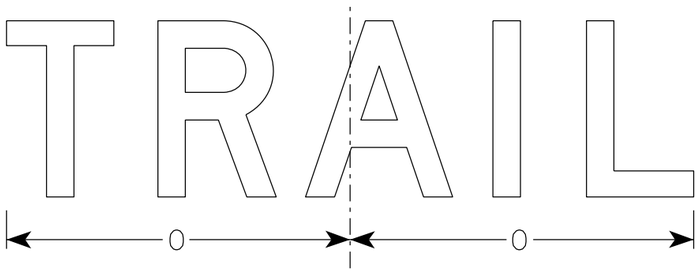
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



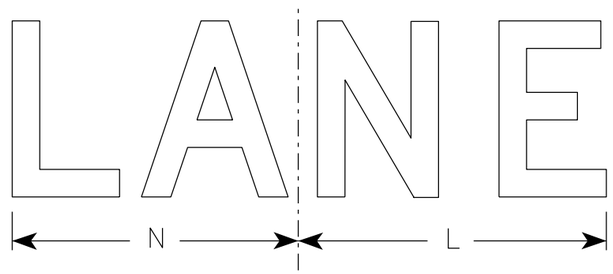
R11-2R



R11-2C



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	12 3/4											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	12 3/4											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	12 3/4											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	12 3/4											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	12 3/4											10.0

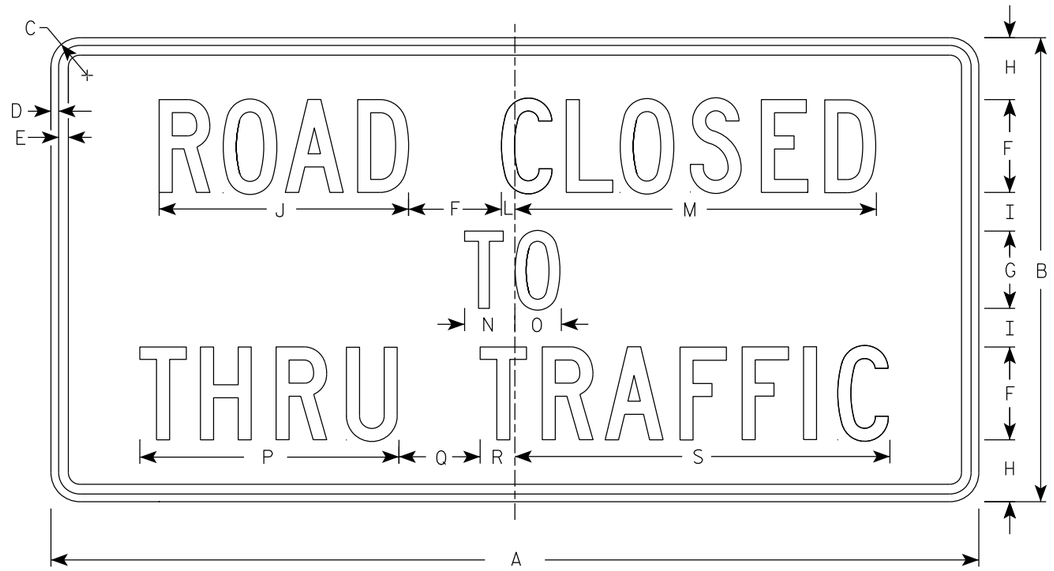
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/3/26 PLATE NO. R11-2.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



R11-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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																											
2S	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

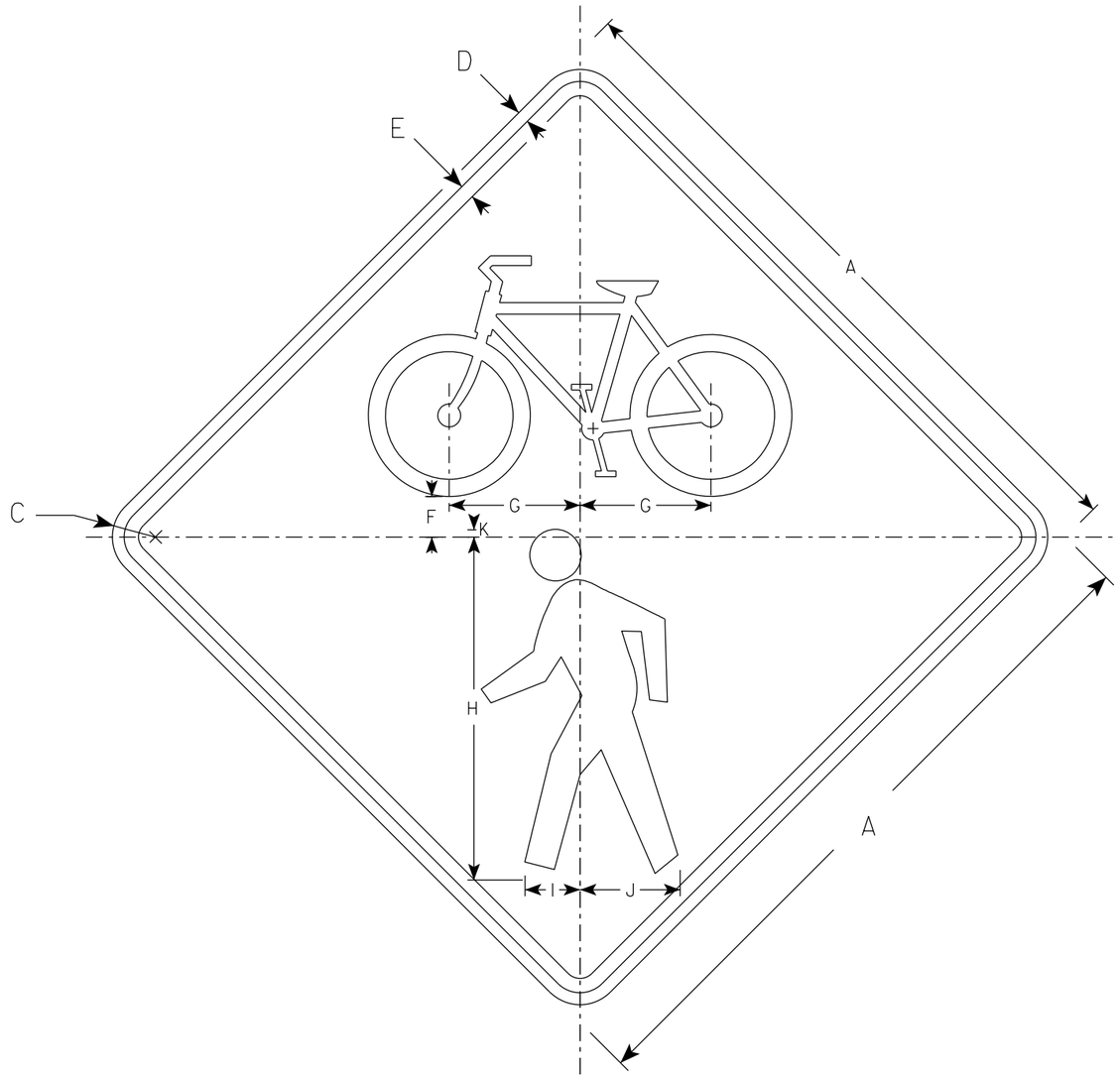
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 312 | E



W11-15

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 7/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		2 1/4	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		2 1/4	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
4	48		3	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

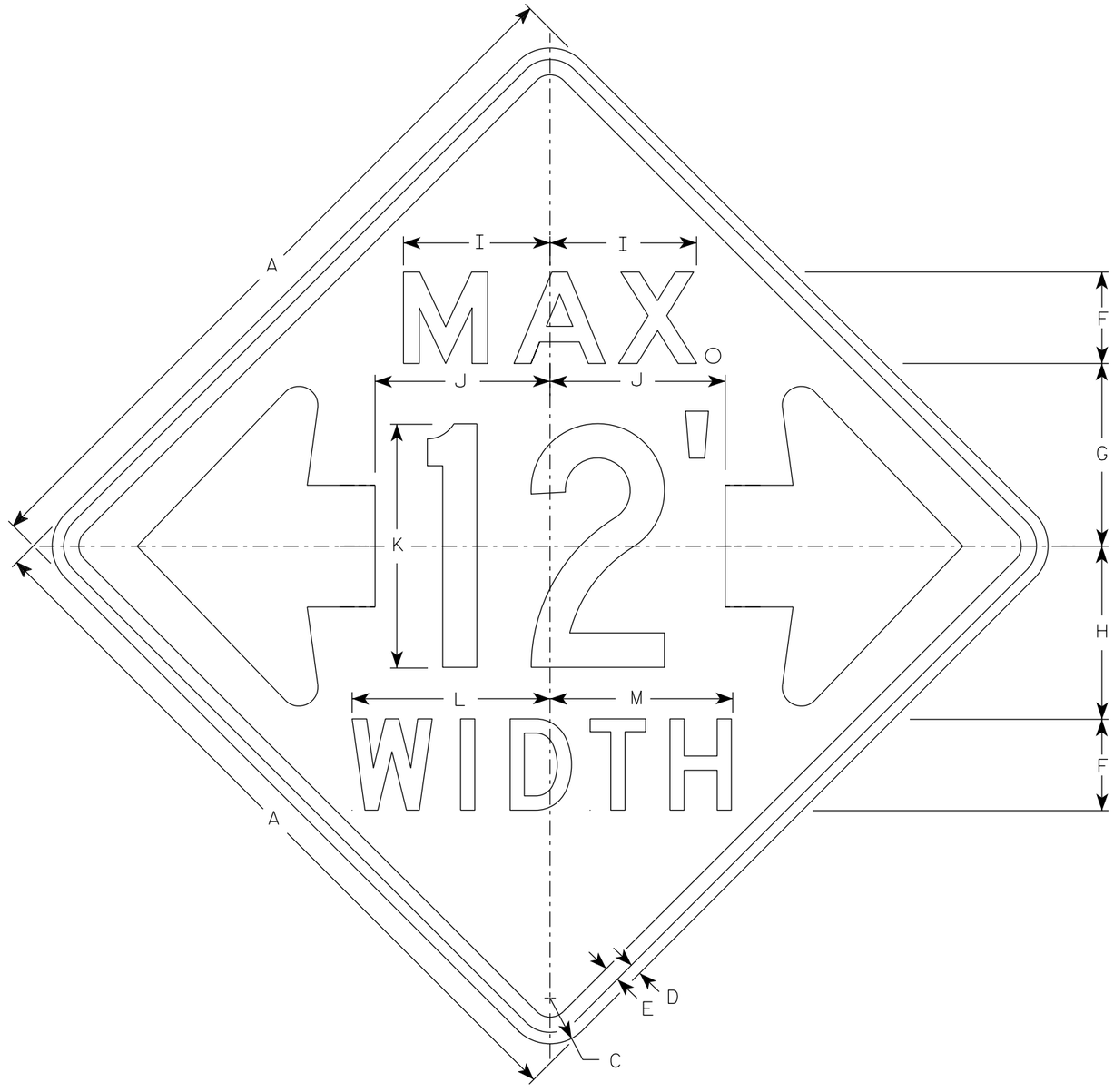
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/2023 PLATE NO. W11-15.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E

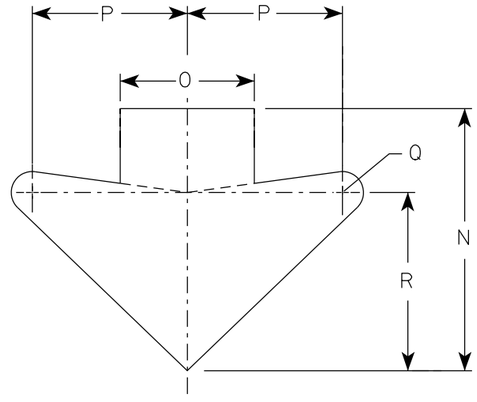
7



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																											

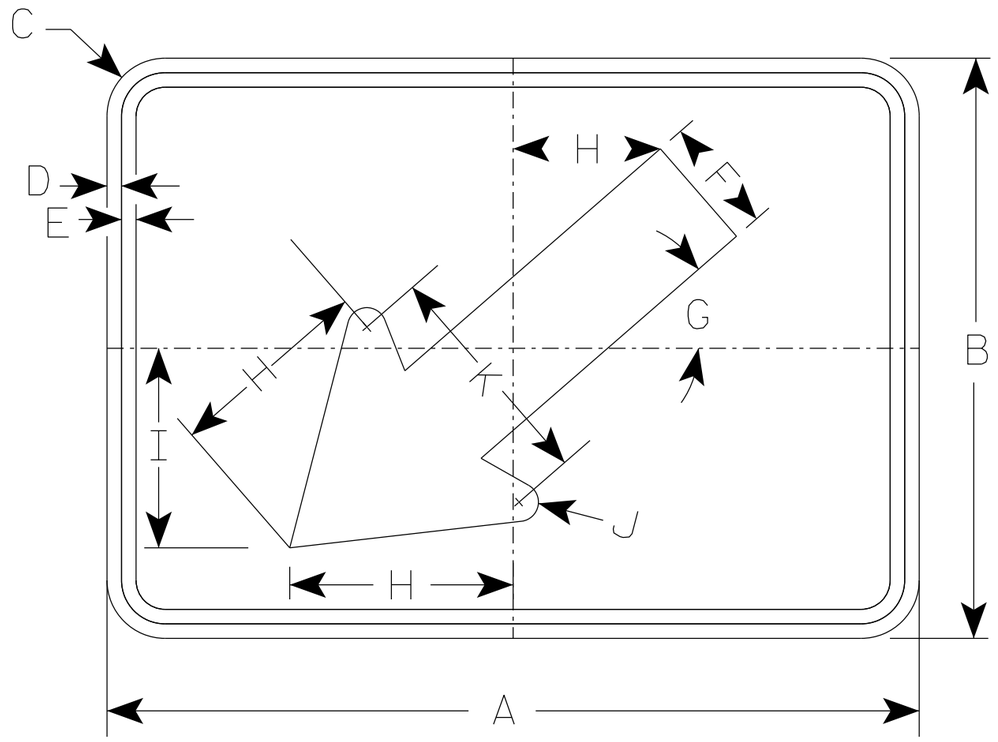
STANDARD SIGN
W12-52

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: 314 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 21" W16-7L signs.
* For 48" x 48" Warning Signs, use 42" x 24" W16-7L signs.

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1																											
	2S	21	15	1 1/2	3/8	3/8	3	41°	5 1/4	5 1/8	1/2	6																2.19
*	2M	30	21	1 1/2	3/8	1/2	4 1/2	41°	8 5/8	7 3/4	5/8	9 1/4																4.38
*	3	30	21	1 1/2	3/8	1/2	4 1/2	41°	8 5/8	7 3/4	5/8	9 1/4																4.38
*	4	42	24	1 7/8	1/2	5/8	6	41°	10 1/4	9 1/8	1	12																7.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

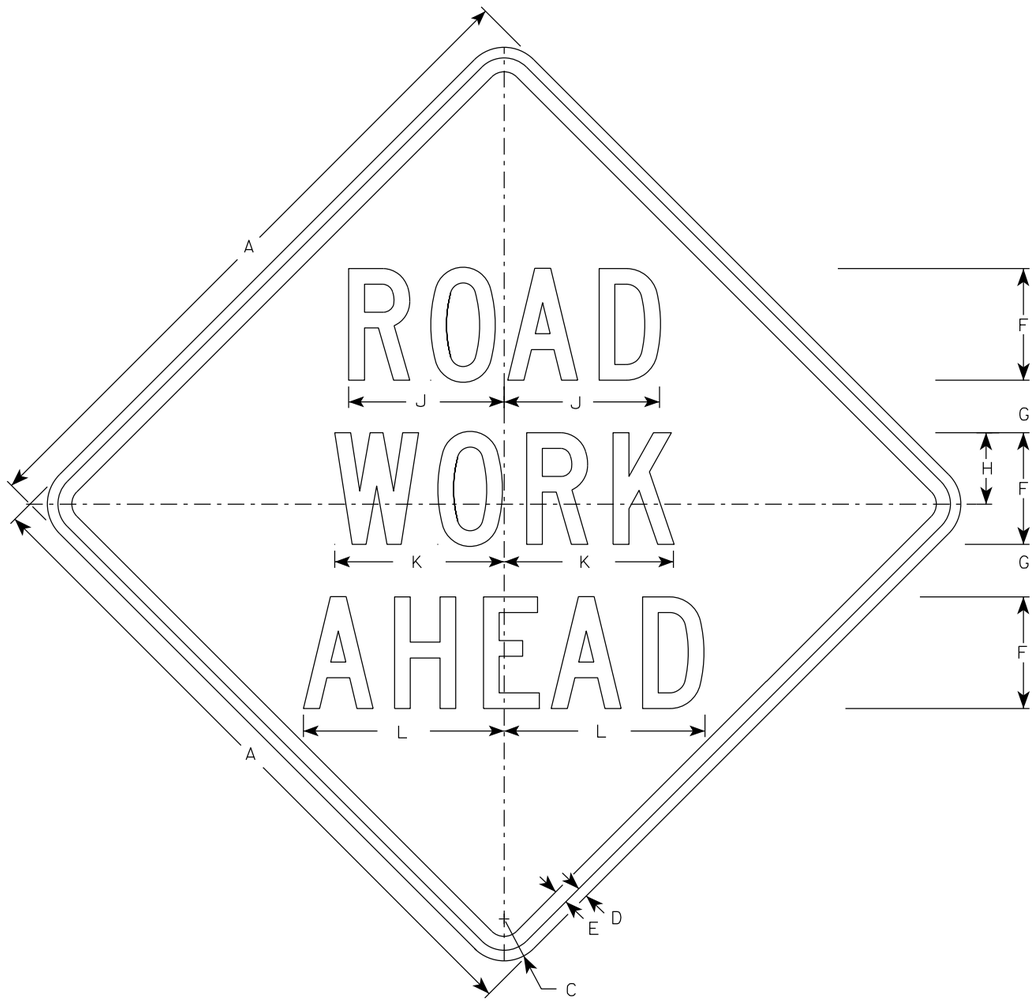
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/29/26 PLATE NO. W16-7.10

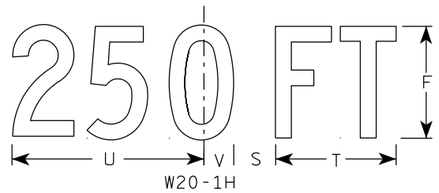
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E

NOTES

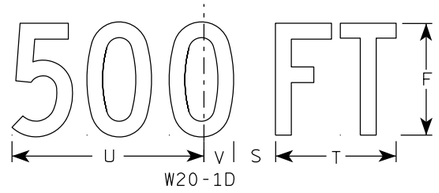
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A

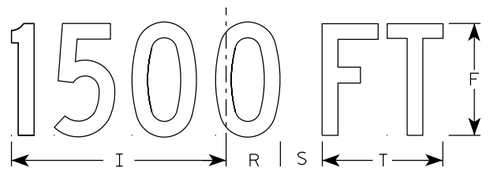


W20-1H

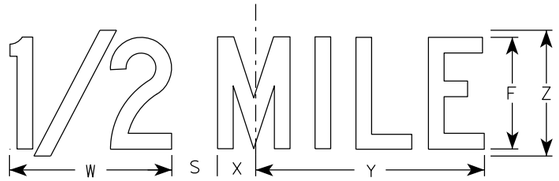


W20-1D

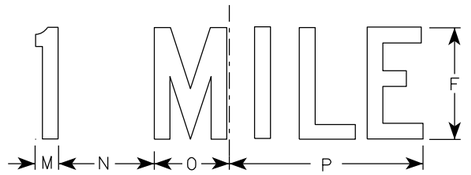
W20-1C



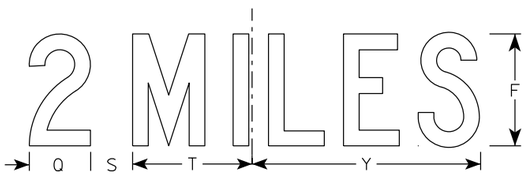
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

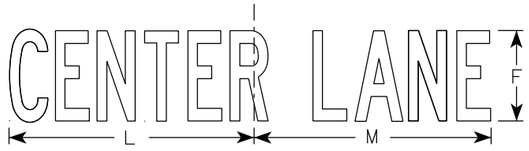
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

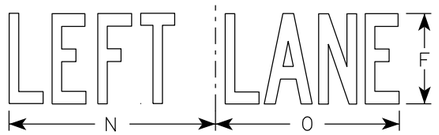
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

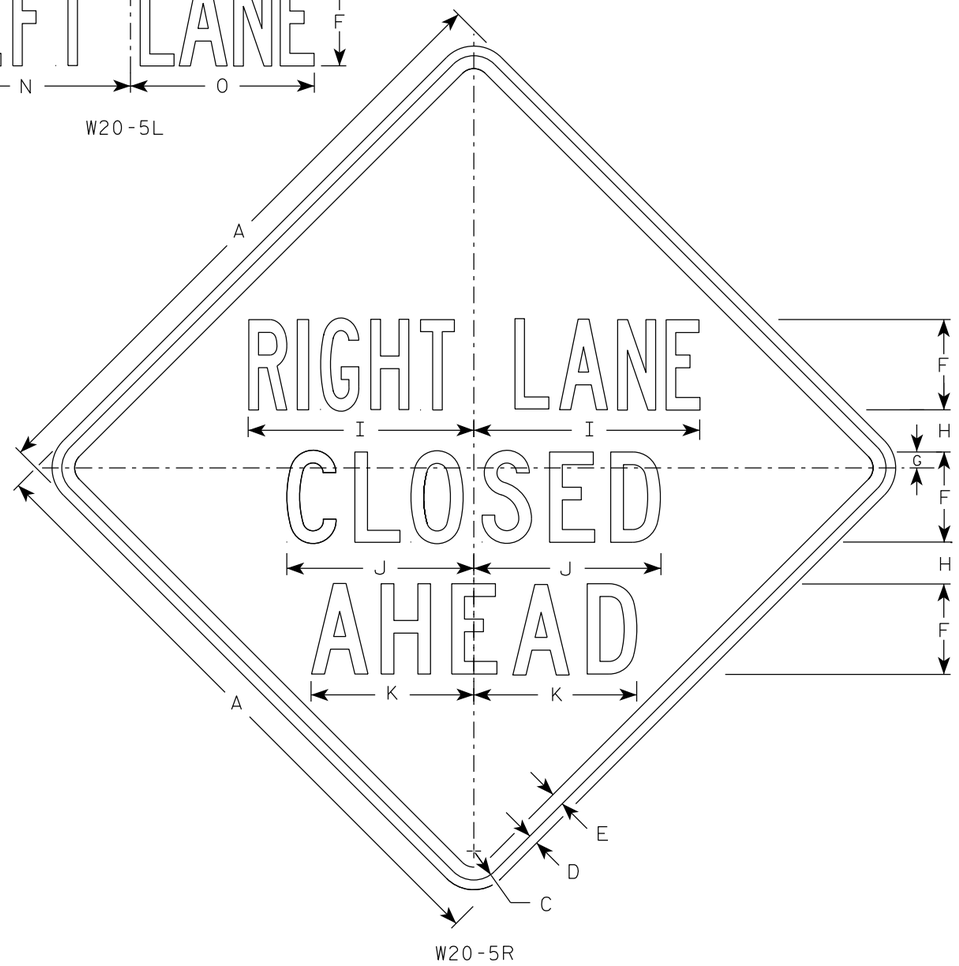
SHEET NO: 316 E



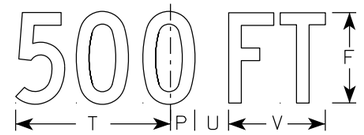
W20-5C



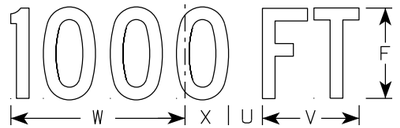
W20-5L



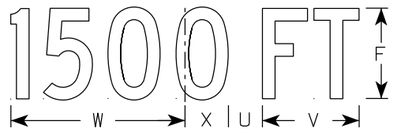
W20-5R



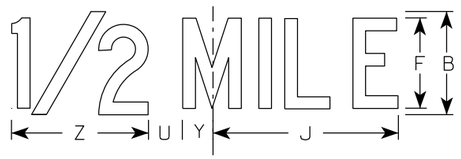
W20-5CD
W20-5LD
W20-5RD



W20-5CE
W20-5LE
W20-5RE



W20-5CB
W20-5LB
W20-5RB



W20-5CG
W20-5LG
W20-5RG

W20-5CF
W20-5LF
W20-5RF

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

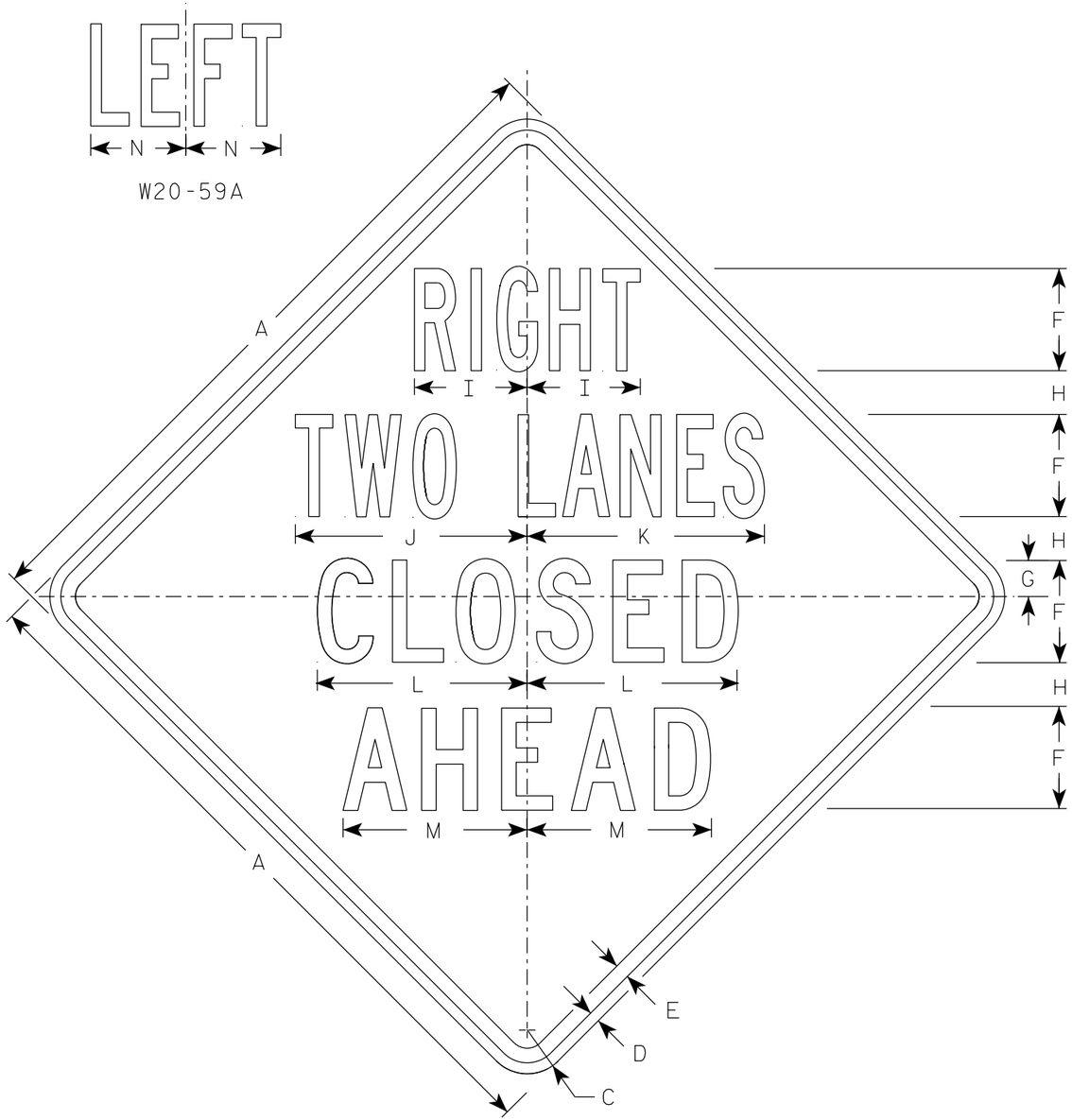
STANDARD SIGN
W20-5C,L,R

WISCONSIN DEPT OF TRANSPORTATION

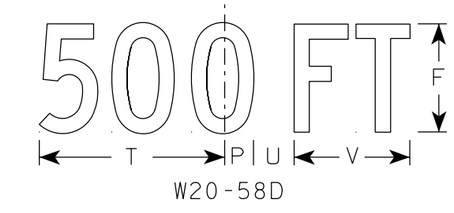
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/26 PLATE NO. W20-5.13

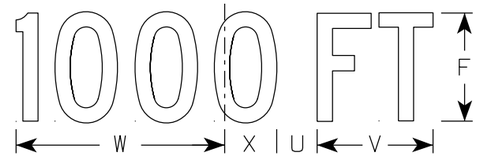
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 317 E



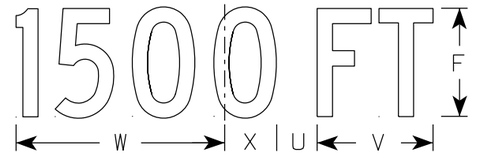
W20-58A



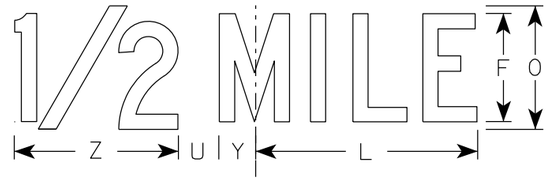
W20-58D



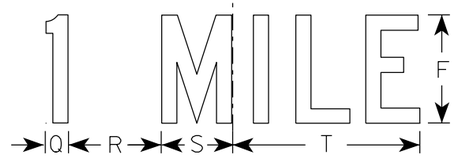
W20-58C



W20-58B



W20-58G



W20-58F

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 & 2 Series B.
   Lines 3 & 4 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		2 1/4	5/8	3/4	5	1 7/8	2 1/4	5 7/8	11 7/8	12 1/8	10 3/4	9 1/2	4 7/8	6	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		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	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		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	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		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	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		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	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		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	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
W20-58A, B, C, D, F & G

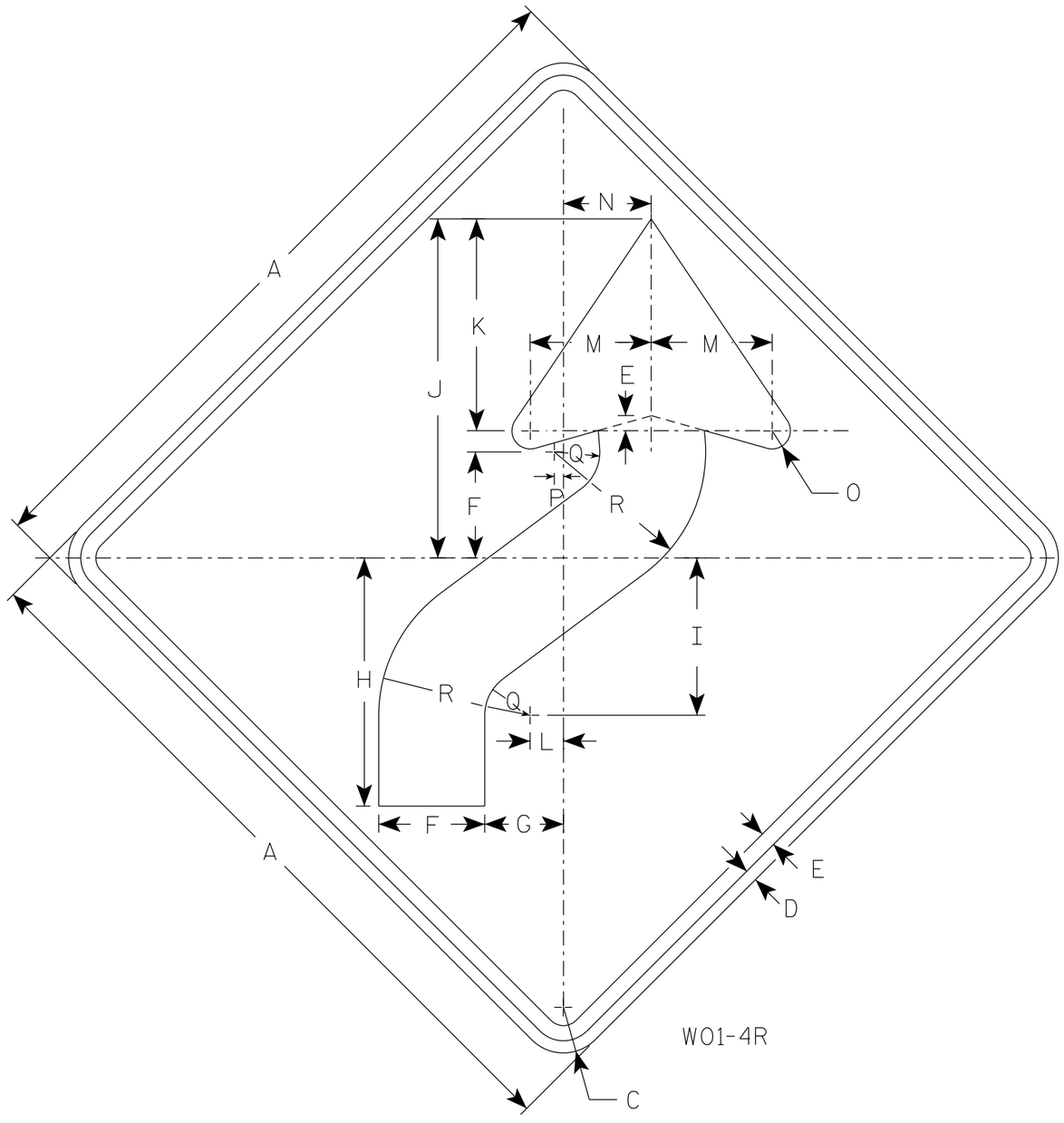
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-58.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2058.DGN PLOT DATE : 10-JAN 2024 2:56 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN

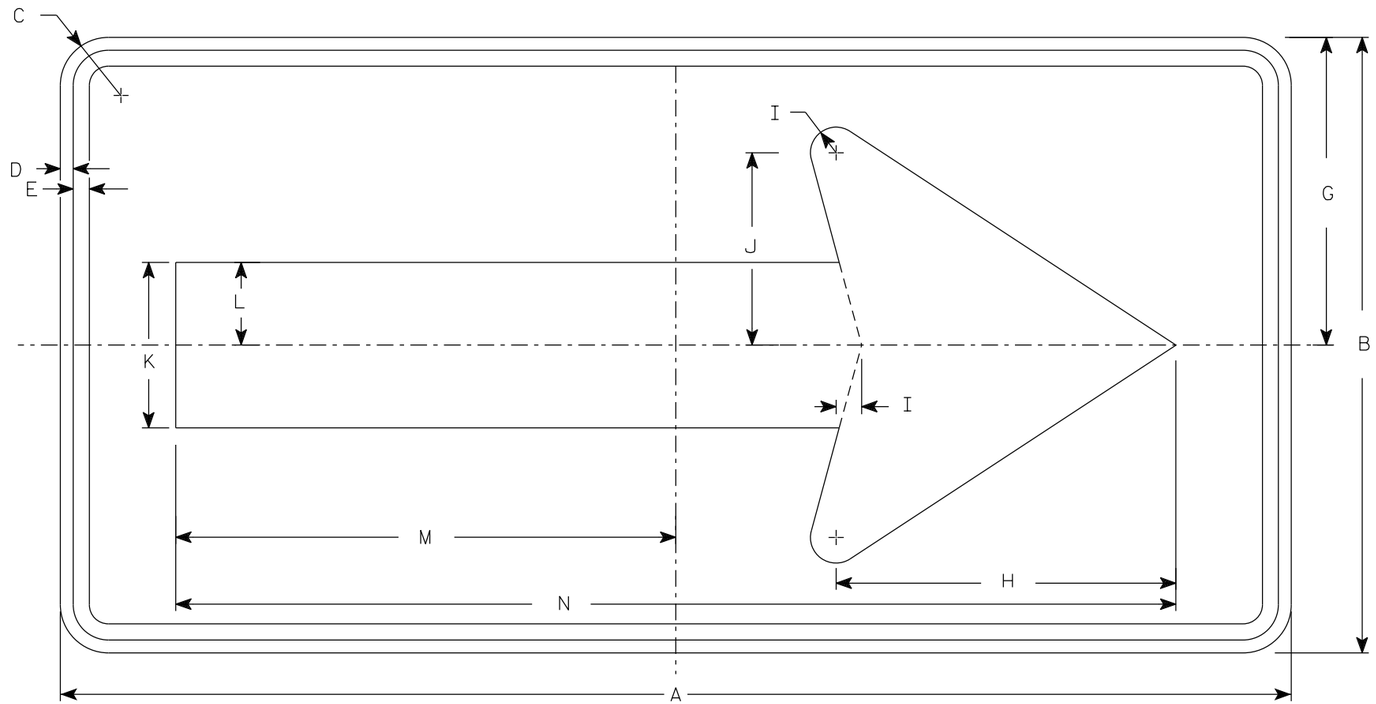
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 319 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

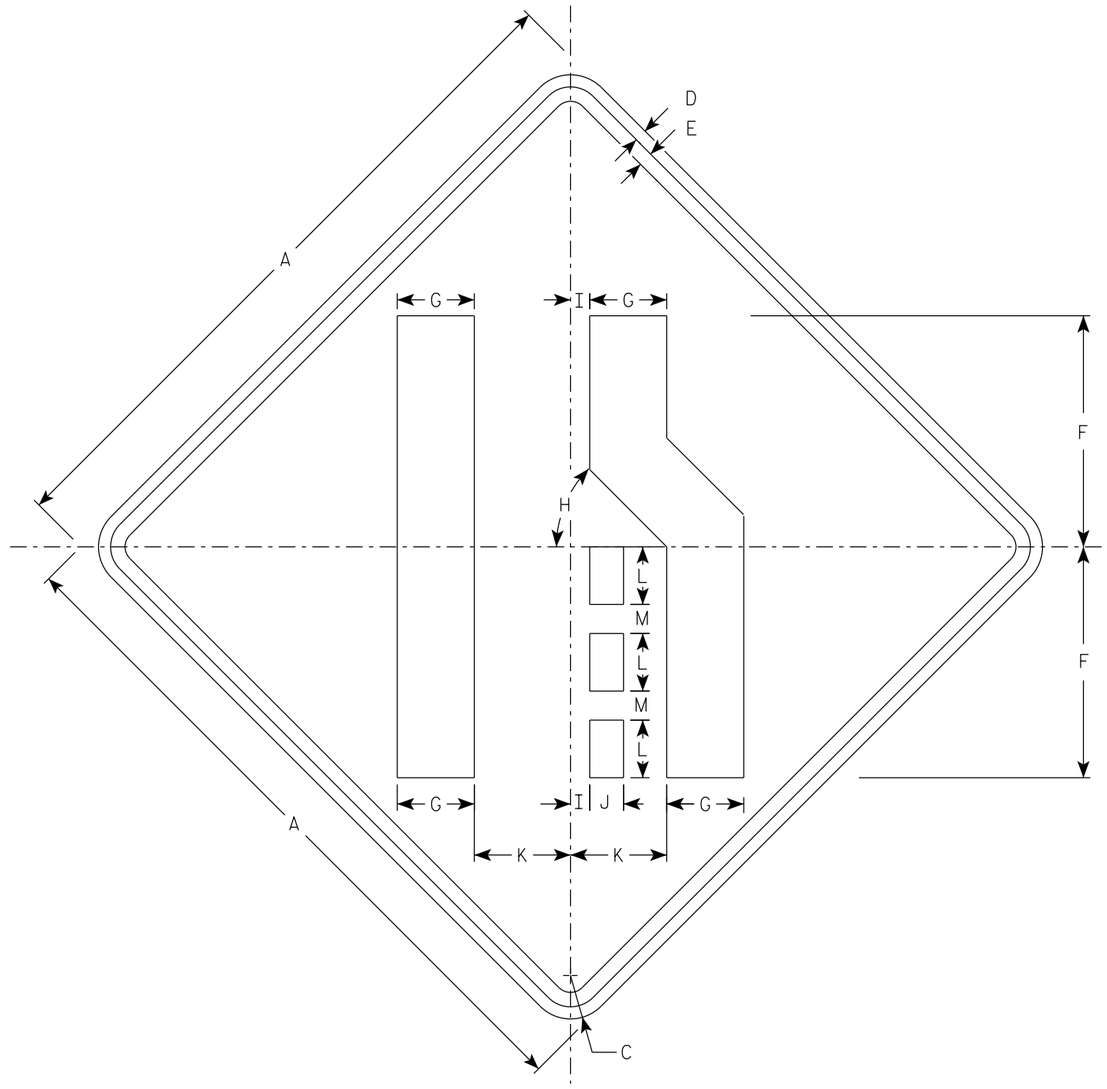
STANDARD SIGN
WO1-6

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

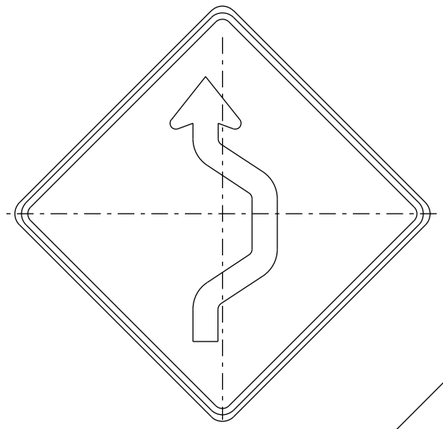
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

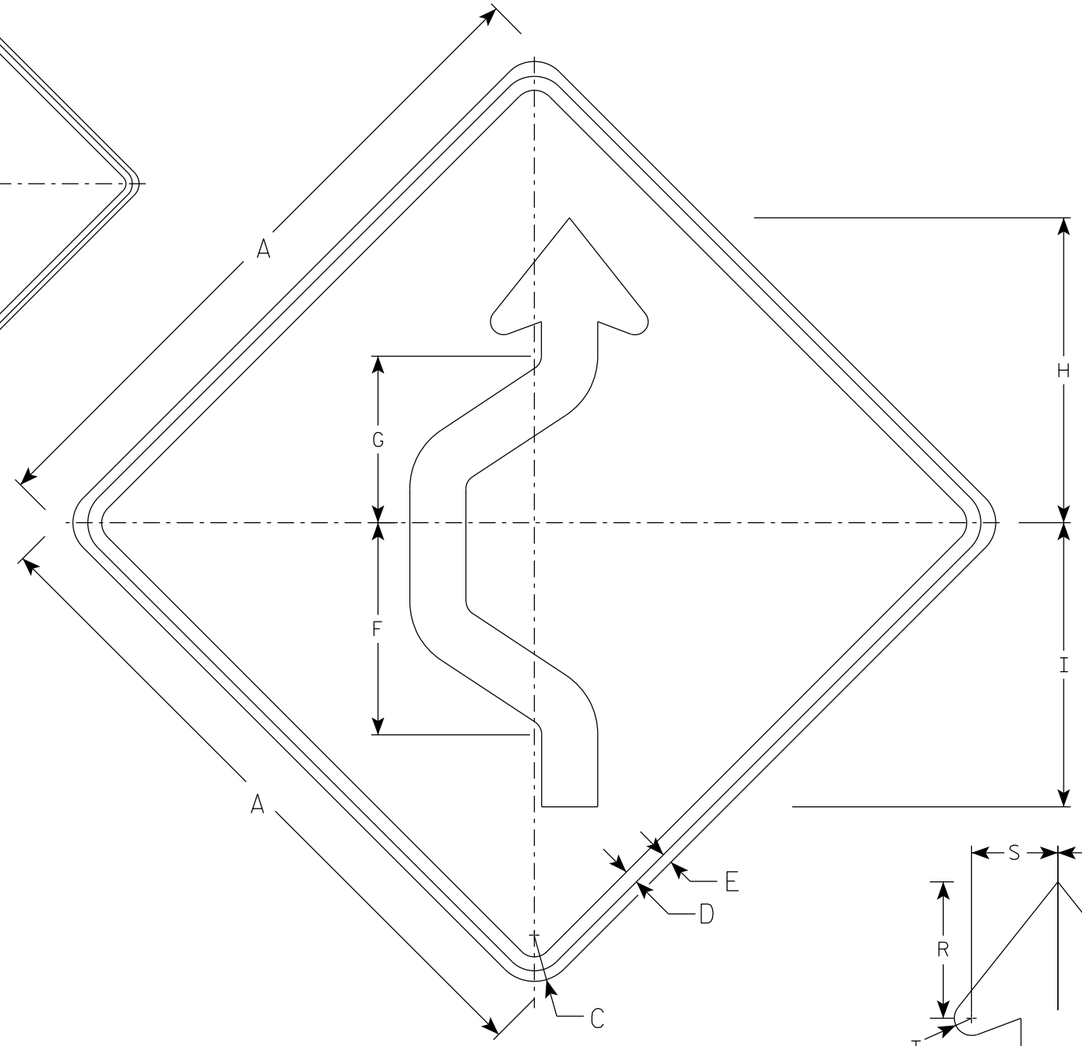
DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

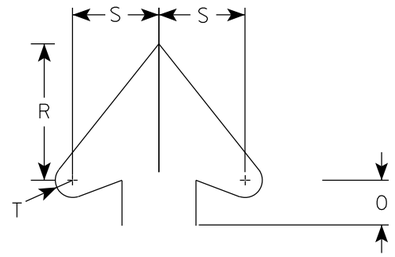
SHEET NO: 321 E



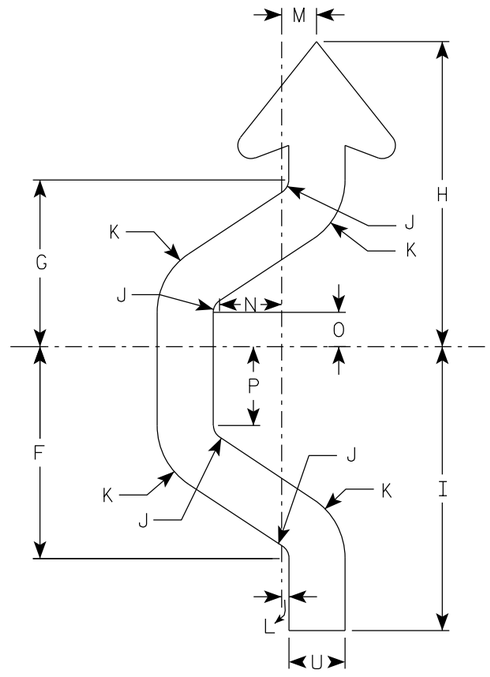
W024-1R



W024-1L



Arrowhead Detail



Arrow Detail

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. W024-1R is the same as W024-1L except 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	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9.0
2S	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
2M	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
3	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
4	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
5	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W024-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0241.dgn PLOT DATE : 1-FEB 2024 10:32 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30	REDUCED EBS IN FILL 0.80	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 5	NOTE 7	NOTE 8
16+00.00	51600.00	0.00	23.14	3.00	0.00	0.00	0	0	0	0	0	0	0	0	0
16+50.00	51650.00	50	35.44	3.00	0.00	0.00	54	6	0	3	54	0	4	2	48
17+00.00	51700.00	50	46.75	3.00	0.00	0.00	76	6	0	4	130	0	8	5	118
17+50.00	51750.00	50	45.13	3.00	0.00	0.00	85	6	0	4	215	0	14	9	197
18+00.00	51800.00	50	45.46	3.00	0.00	0.00	84	6	0	4	299	0	19	12	275
18+50.00	51850.00	50	32.75	3.00	0.00	0.00	72	6	0	4	371	0	24	15	341
19+00.00	51900.00	50	25.49	3.00	0.00	0.00	54	6	0	3	425	0	28	17	389
19+50.00	51950.00	50	19.21	3.00	0.00	0.00	41	6	0	2	466	0	30	19	424
20+00.00	52000.00	50	19.03	3.00	0.00	0.00	35	6	0	2	501	0	33	20	453
20+50.00	52050.00	50	19.03	3.00	0.00	0.00	35	6	0	2	536	0	35	21	482
22+00.00	52200.00	150	22.42	3.00	0.00	0.00	115	17	0	6	651	0	42	26	580
22+50.00	52250.00	50	22.58	3.00	0.00	0.00	42	6	0	2	693	0	45	28	616
22+78.96	52278.96	28.96	21.98	3.00	0.00	0.00	24	3	0	1	717	0	47	29	637
23+00.00	52300.00	21.04	22.48	3.00	0.00	0.00	17	2	0	1	734	0	48	29	652
23+50.00	52350.00	50	30.79	3.00	0.00	0.00	49	6	0	2	783	0	51	31	695
24+00.00	52400.00	50	45.57	3.00	0.00	0.00	71	6	0	4	854	0	56	34	760
24+50.00	52450.00	50	43.77	3.00	0.00	0.00	83	6	0	4	937	0	61	37	837
24+55.83	52455.83	5.83	44.46	3.00	0.00	0.00	10	1	0	1	947	0	62	38	846
25+00.00	52500.00	44.17	27.89	3.00	0.00	0.00	59	5	0	3	1006	0	65	40	900
25+50.00	52550.00	50	21.54	3.00	0.00	0.00	46	6	0	2	1052	0	68	42	940
26+00.00	52600.00	50	22.30	3.00	0.00	0.00	41	6	0	2	1093	0	71	44	975
26+50.00	52650.00	50	20.62	3.00	0.00	0.00	40	6	0	2	1133	0	74	45	1009
27+00.00	52700.00	50	19.30	3.00	0.00	0.00	37	6	0	2	1170	0	76	47	1040

STAGE 2

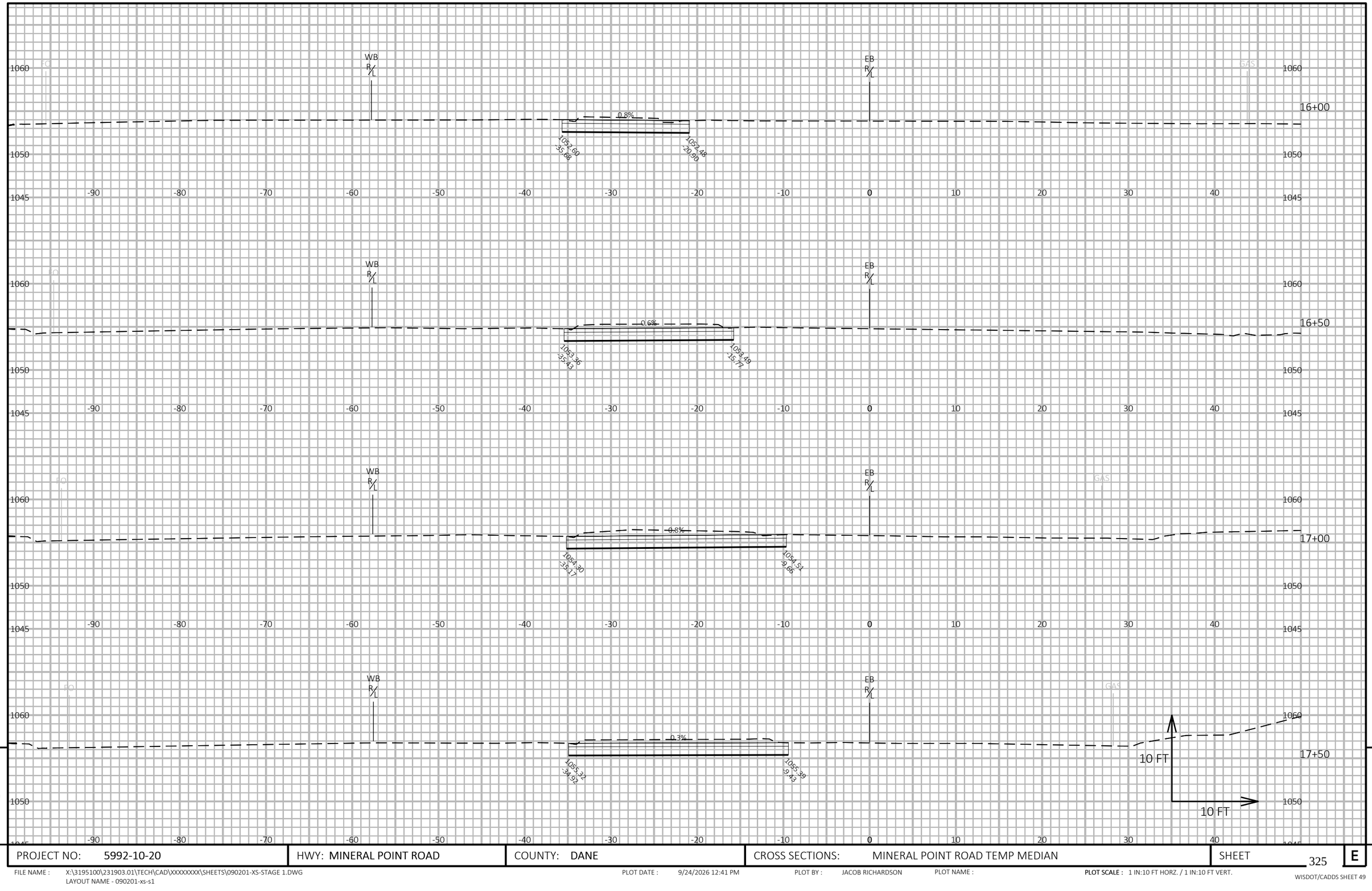
STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.00	REDUCED EBS IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 5	NOTE 7	NOTE 8
15+92.75	51592.75	0.00	39.07	30.00	0.00	0.00	0	0	0	0	0	0	0	0	0
16+00.00	51600.00	7.25	39.53	30.00	0.00	0.00	11	8	0	1	11	0	1	1	3
16+50.00	51650.00	50	39.06	30.00	0.00	0.00	73	56	0	4	84	0	4	4	20
17+00.00	51700.00	50	36.68	30.00	0.00	0.00	70	56	0	4	154	0	8	8	34
17+50.00	51750.00	50	36.71	30.00	0.00	0.00	68	56	0	3	222	0	11	11	46
18+00.00	51800.00	50	38.49	30.00	0.00	0.00	70	56	0	4	292	0	15	15	60
18+50.00	51850.00	50	38.33	25.00	0.00	0.00	71	51	0	4	363	0	18	18	80
19+00.00	51900.00	50	37.54	20.00	0.00	0.00	70	42	0	4	433	0	22	22	108
19+50.00	51950.00	50	36.09	20.00	0.00	0.00	68	37	0	3	501	0	25	25	139
20+00.00	52000.00	50	37.78	20.00	0.00	0.00	68	37	0	3	569	0	28	28	170
20+50.00	52050.00	50	38.13	20.00	0.00	0.00	70	37	0	4	639	0	32	32	203
21+00.00	52100.00	50	40.60	20.00	0.00	0.00	73	37	0	4	712	0	36	36	239
21+50.00	52150.00	50	40.30	20.00	0.00	0.00	75	37	0	4	787	0	39	39	277
22+00.00	52200.00	50	34.29	20.00	0.00	0.00	69	37	0	3	856	0	43	43	309
22+50.00	52250.00	50	38.12	20.00	0.00	0.00	67	37	0	3	923	0	46	46	339
22+78.96	52278.96	28.96	38.23	20.00	0.00	0.00	41	21	0	2	964	0	48	48	359
23+00.00	52300.00	21.04	35.90	20.00	0.00	0.00	29	16	0	1	993	0	50	50	372
23+50.00	52350.00	50	35.79	20.00	0.00	0.00	66	37	0	3	1059	0	53	53	401
24+00.00	52400.00	50	39.26	20.00	0.00	0.00	69	37	0	3	1128	0	56	56	433
24+50.00	52450.00	50	38.72	20.00	0.00	0.00	72	37	0	4	1200	0	60	60	468
24+55.83	52455.83	5.83	39.75	20.00	0.00	0.00	8	4	0	0	1208	0	60	60	472
25+00.00	52500.00	44.17	41.14	20.00	0.00	0.00	66	33	0	3	1274	0	64	64	505
25+50.00	52550.00	50	39.64	20.00	0.00	0.00	75	37	0	4	1349	0	67	67	543
26+00.00	52600.00	50	38.32	20.00	0.00	0.00	72	37	0	4	1421	0	71	71	578
26+50.00	52650.00	50	40.00	20.00	0.00	0.00	73	37	0	4	1494	0	75	75	614
27+00.00	52700.00	50	0.00	20.00	0.00	0.00	37	37	0	2	1531	0	77	77	614
27+30.65	52730.65	30.65	0.00	20.00	0.00	0.00	0	23	0	0	1531	0	77	77	591

STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.00	REDUCED EBS IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 5	NOTE 7	NOTE 8
15+92.75	51592.75	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
16+00.00	51600.00	7.25	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
16+50.00	51650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
17+00.00	51700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
17+50.00	51750.00	50.00	52.96	0.00	0.00	2.65	49	0	0	2	49	0	2	2	49
18+00.00	51800.00	50.00	0.00	0.00	0.00	0.00	49	0	0	2	98	0	4	4	98
18+50.00	51850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	98	0	4	4	98
19+00.00	51900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	98	0	4	4	98
19+50.00	51950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	98	0	4	4	98
20+00.00	52000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	98	0	4	4	98
20+50.00	52050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	98	0	4	4	98
21+00.00	52100.00	50.00	41.73	0.00	0.00	2.09	39	0	0	2	137	0	6	6	137
21+50.00	52150.00	50.00	38.09	0.00	0.00	1.90	74	0	0	4	211	0	10	10	211
22+00.00	52200.00	50.00	37.28	0.00	0.00	1.86	70	0	0	3	281	0	13	13	281
22+50.00	52250.00	50.00	38.58	0.00	0.00	1.93	70	0	0	4	351	0	17	17	351
22+78.96	52278.96	28.96	37.82	0.00	0.00	1.89	41	0	0	2	392	0	19	19	392
23+00.00	52300.00	21.04	36.33	0.00	0.00	1.82	29	0	0	1	421	0	20	20	421
23+50.00	52350.00	50.00	38.30	0.00	0.00	1.92	69	0	0	3	490	0	23	23	490
24+00.00	52400.00	50.00	38.84	0.00	0.00	1.94	71	0	0	4	561	0	27	27	561
24+50.00	52450.00	50.00	38.46	0.00	0.00	1.92	72	0	0	4	633	0	31	31	633
24+55.83	52455.83	5.83	38.86	0.00	0.00	1.94	8	0	0	0	641	0	31	31	641
25+00.00	52500.00	44.17	37.50	0.00	0.00	1.88	62	0	0	3	703	0	34	34	703
25+50.00	52550.00	50.00	37.01	0.00	0.00	1.85	69	0	0	3	772	0	37	37	772
26+00.00	52600.00	50.00	36.78	0.00	0.00	1.84	68	0	0	3	840	0	40	40	840
26+50.00	52650.00	50.00	37.85	0.00	0.00	1.89	69	0	0	3	909	0	43	43	909
27+00.00	52700.00	50.00	19.25	0.00	0.00	0.96	53	0	0	3	962	0	46	46	962
27+30.65	52730.65	30.65	38.71	0.00	0.00	1.94	33	0	0	2	995	0	48	48	995

STAGE 4

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.00	REDUCED EBS IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 5	NOTE 7	NOTE 8
15+92.75	51592.75	0.00	103.91	0.00	0.00	5.20	0	0	0	0	0	0	0	0	0
16+00.00	51600.00	7.25	102.67	0.00	0.00	5.13	28	0	0	1	28	0	1	1	28
16+50.00	51650.00	50.00	107.19	0.00	0.00	5.36	194	0	0	10	222	0	11	11	222
17+00.00	51700.00	50.00	111.38	0.00	0.00	5.57	202	0	0	10	424	0	21	21	424
17+50.00	51750.00	50.00	101.11	0.00	0.00	5.06	197	0	0	10	621	0	31	31	621
18+00.00	51800.00	50.00	84.09	0.00	0.00	4.20	171	0	0	9	792	0	40	40	792
18+50.00	51850.00	50.00	76.66	0.00	0.00	3.83	149	0	0	7	941	0	47	47	941
19+00.00	51900.00	50.00	70.22	0.00	0.00	3.51	136	0	0	7	1077	0	54	54	1077
19+50.00	51950.00	50.00	58.36	0.00	0.00	2.92	119	0	0	6	1196	0	60	60	1196
20+00.00	52000.00	50.00	56.94	0.00	0.00	2.85	107	0	0	5	1303	0	65	65	1303
20+50.00	52050.00	50.00	57.43	0.00	0.00	2.87	106	0	0	5	1409	0	70	70	1409
21+00.00	52100.00	50.00	80.30	0.00	0.00	4.02	128	0	0	6	1537	0	76	76	1537
21+50.00	52150.00	50.00	80.39	0.00	0.00	4.02	149	0	0	7	1686	0	83	83	1686
22+00.00	52200.00	50.00	75.09	0.00	0.00	3.75	144	0	0	7	1830	0	90	90	1830
22+50.00	52250.00	50.00	77.71	0.00	0.00	3.89	141	0	0	7	1971	0	97	97	1971
22+78.96	52278.96	28.96	78.83	0.00	0.00	3.94	84	0	0	4	2055	0	101	101	2055
23+00.00	52300.00	21.04	79.71	0.00	0.00	3.99	62	0	0	3	2117	0	104	104	2117
23+50.00	52350.00	50.00	76.22	0.00	0.00	3.81	144	0	0	7	2261	0	111	111	2261
24+00.00	52400.00	50.00	88.20	0.00	0.00	4.41	152	0	0	8	2413	0	119	119	2413
24+50.00	52450.00	50.00	89.52	0.00	0.00	4.48	165	0	0	8	2578	0	127	127	2578
24+55.83	52455.83	5.83	83.10	0.00	0.00	4.15	19	0	0	1	2597	0	128	128	2597
25+00.00	52500.00	44.17	86.04	0.00	0.00	4.30	138	0	0	7	2735	0	135	135	2735
25+50.00	52550.00	50.00	80.61	0.00	0.00	4.03	154	0	0	8	2889	0	143	143	2889
26+00.00	52600.00	50.00	78.39	0.00	0.00	3.92	147	0	0	7	3036	0	150	150	3036
26+50.00	52650.00	50.00	82.75	0.00	0.00	4.14	149	0	0	7	3185	0	157	157	3185
27+00.00	52700.00	50.00	101.22	0.00	0.00	5.06	170	0	0	9	3355	0	166	166	3355
27+30.65	52730.65	30.65	0.00	0.00	0.00	0.00	57	0	0	3	3412	0	169	169	3412



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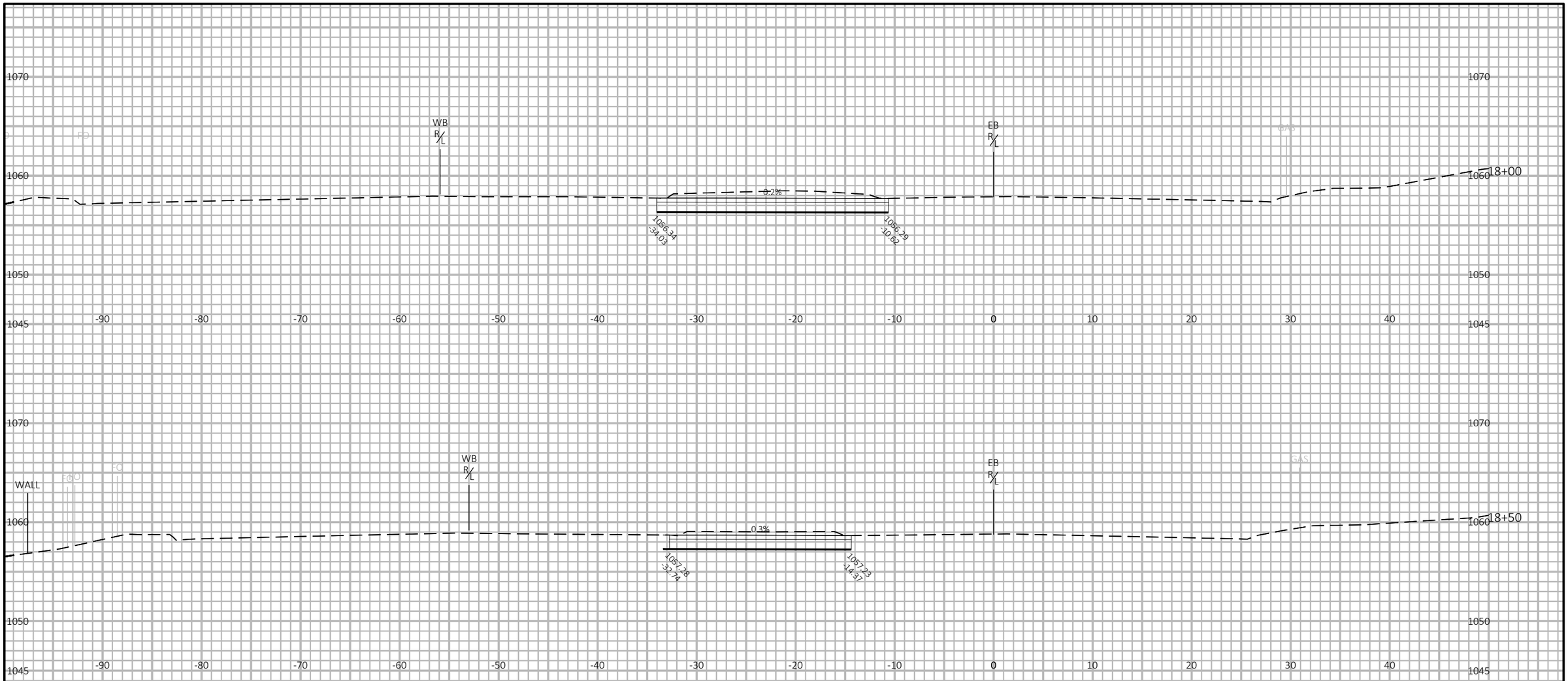
9

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD TEMP MEDIAN	SHEET 325	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS-STAGE 1.DWG
LAYOUT NAME - 090201-xs-s1

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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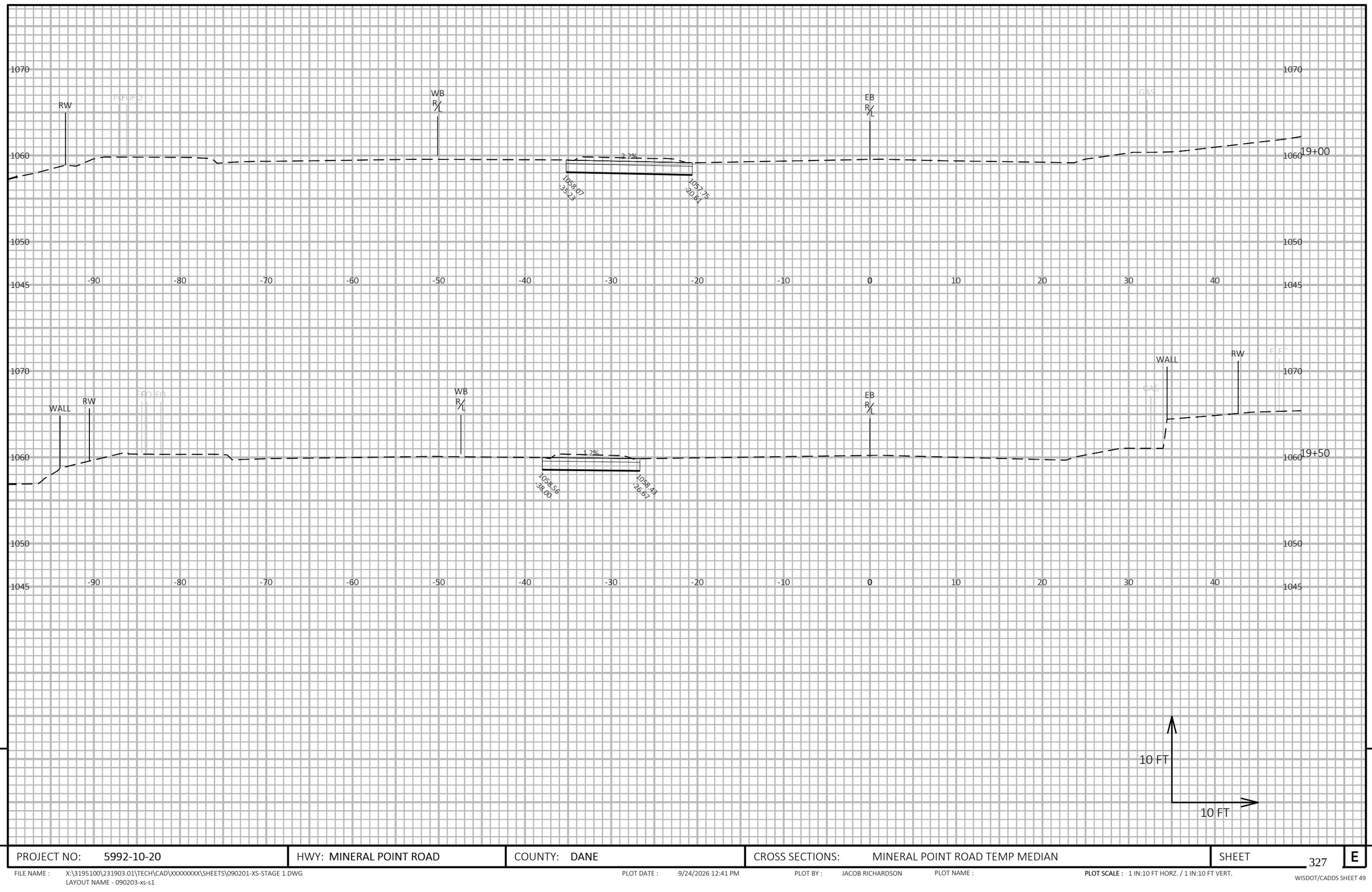
9

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD TEMP MEDIAN	SHEET 326	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS-STAGE 1.DWG
LAYOUT NAME - 090202-xs-s1

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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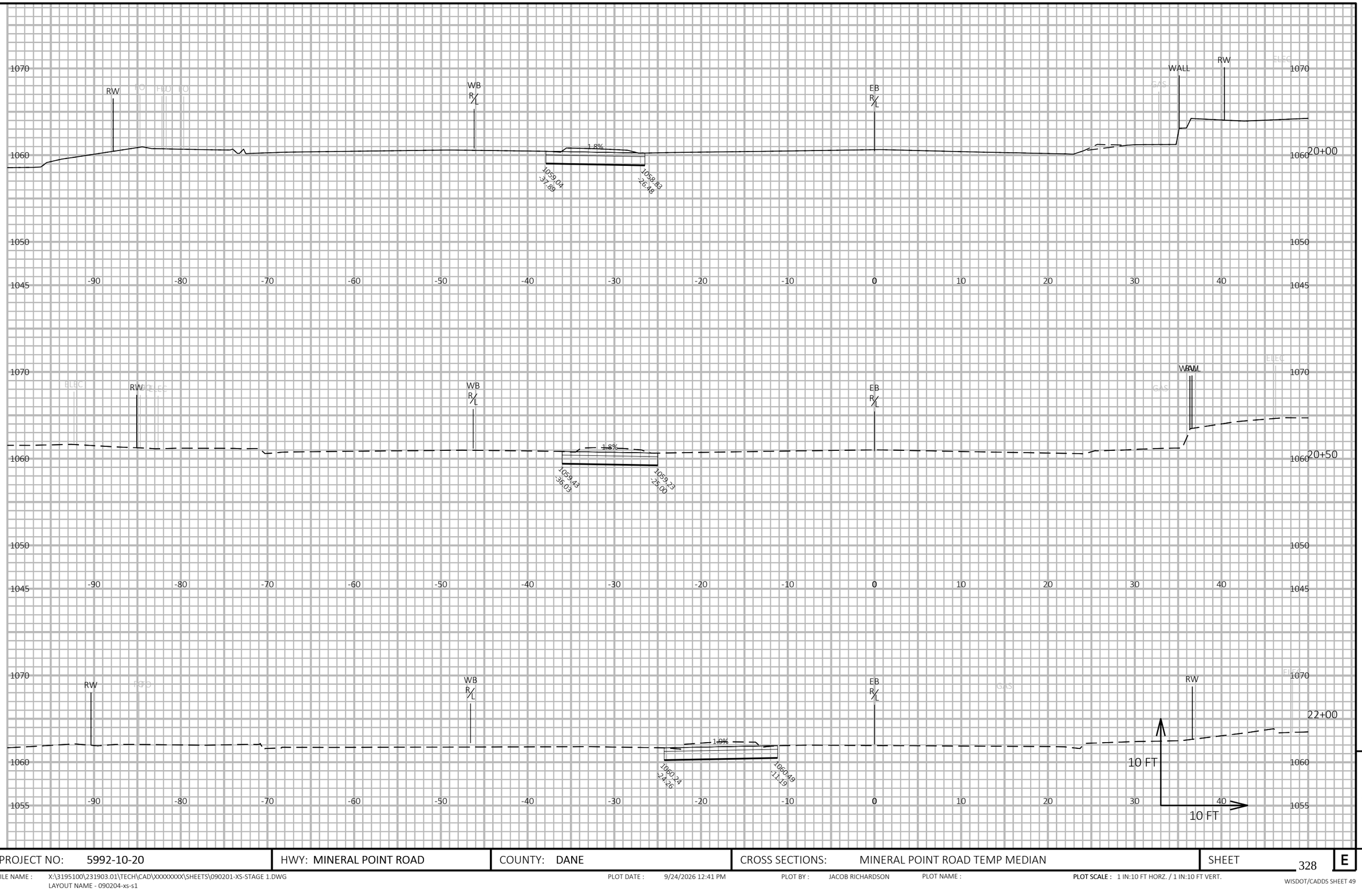
9

PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD TEMP MEDIAN	SHEET 327	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS-STAGE 1.DWG
LAYOUT NAME - 090203-xs-s1

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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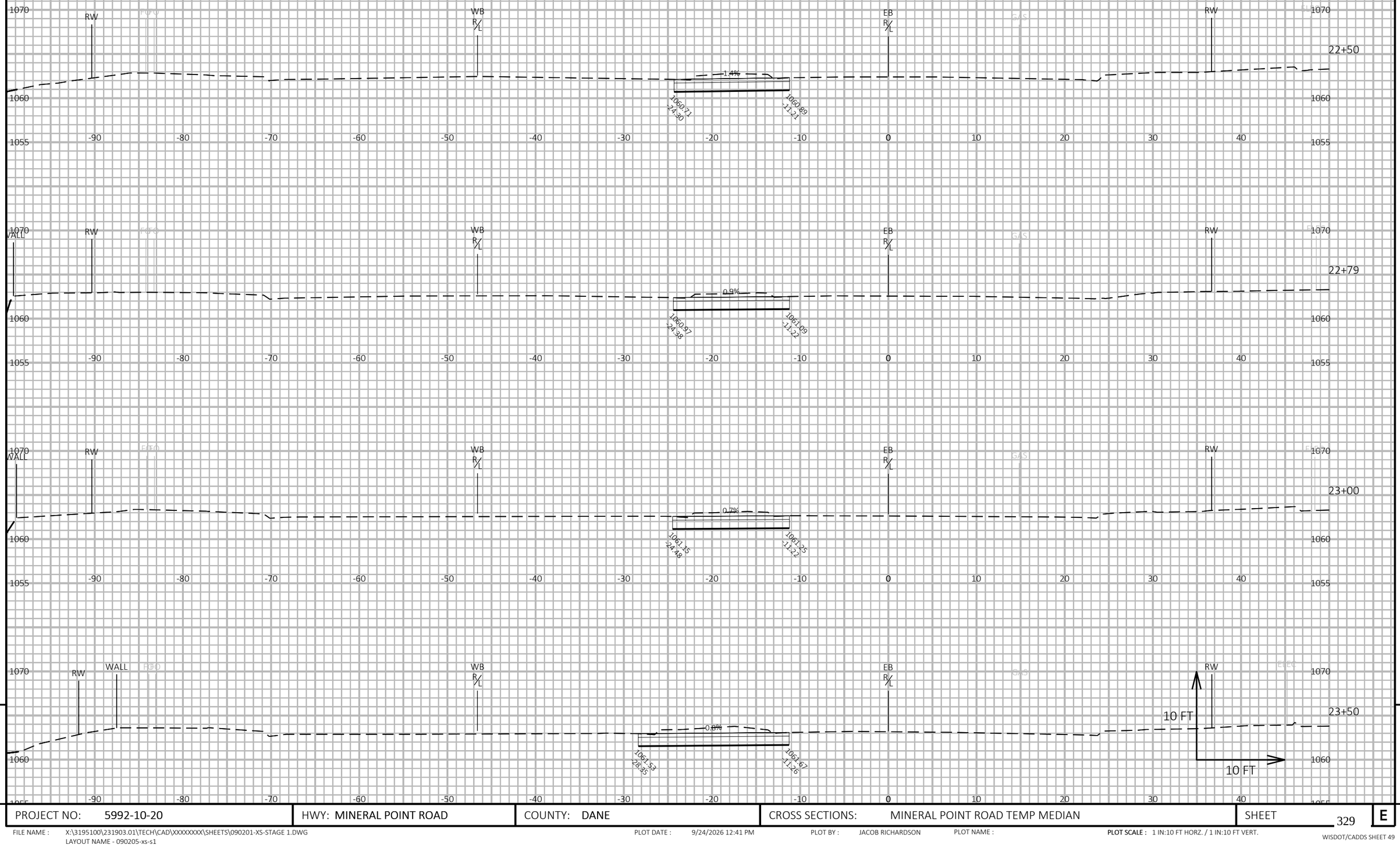
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD TEMP MEDIAN	SHEET 328	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS-STAGE 1.DWG
LAYOUT NAME - 090204-xs-s1

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD TEMP MEDIAN	SHEET 329	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS-STAGE 1.DWG
LAYOUT NAME - 090205-xs-s1

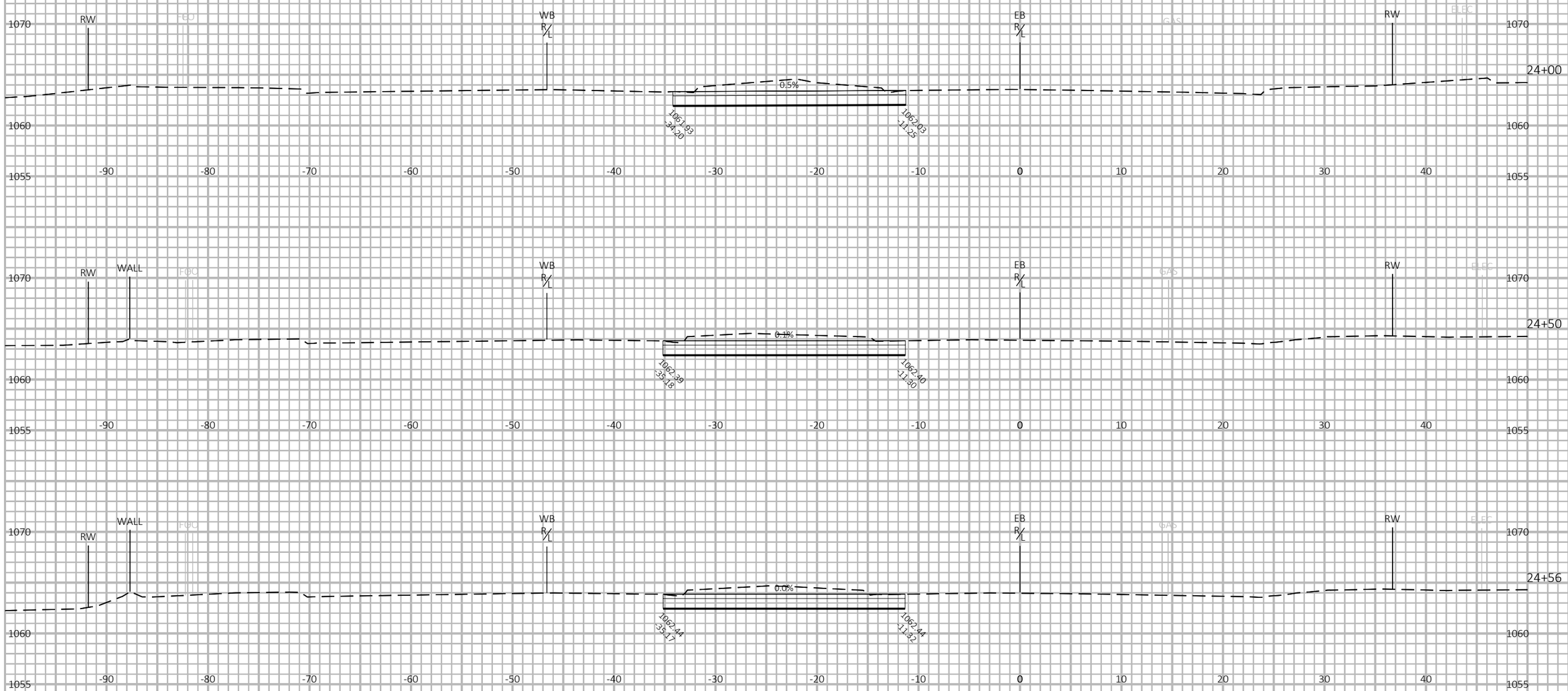
PLOT DATE : 9/24/2026 12:41 PM

PLOT BY : JACOB RICHARDSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

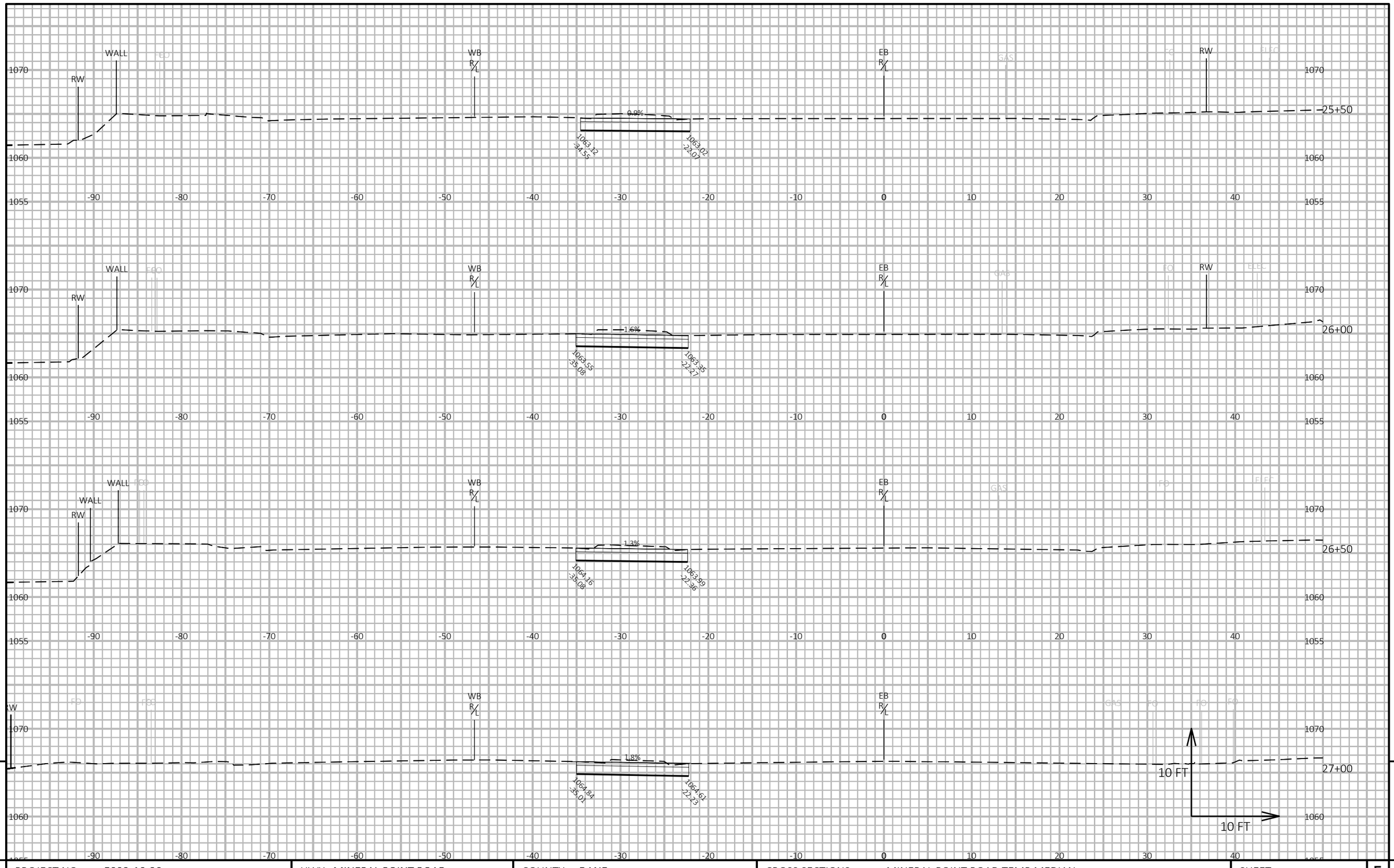


PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD TEMP MEDIAN	SHEET 330 E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS-STAGE 1.DWG
LAYOUT NAME - 090206-xs-s1

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD TEMP MEDIAN	SHEET 331	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS-STAGE 1.DWG
LAYOUT NAME - 090207-xs-s1

PLOT DATE : 9/24/2026 12:41 PM

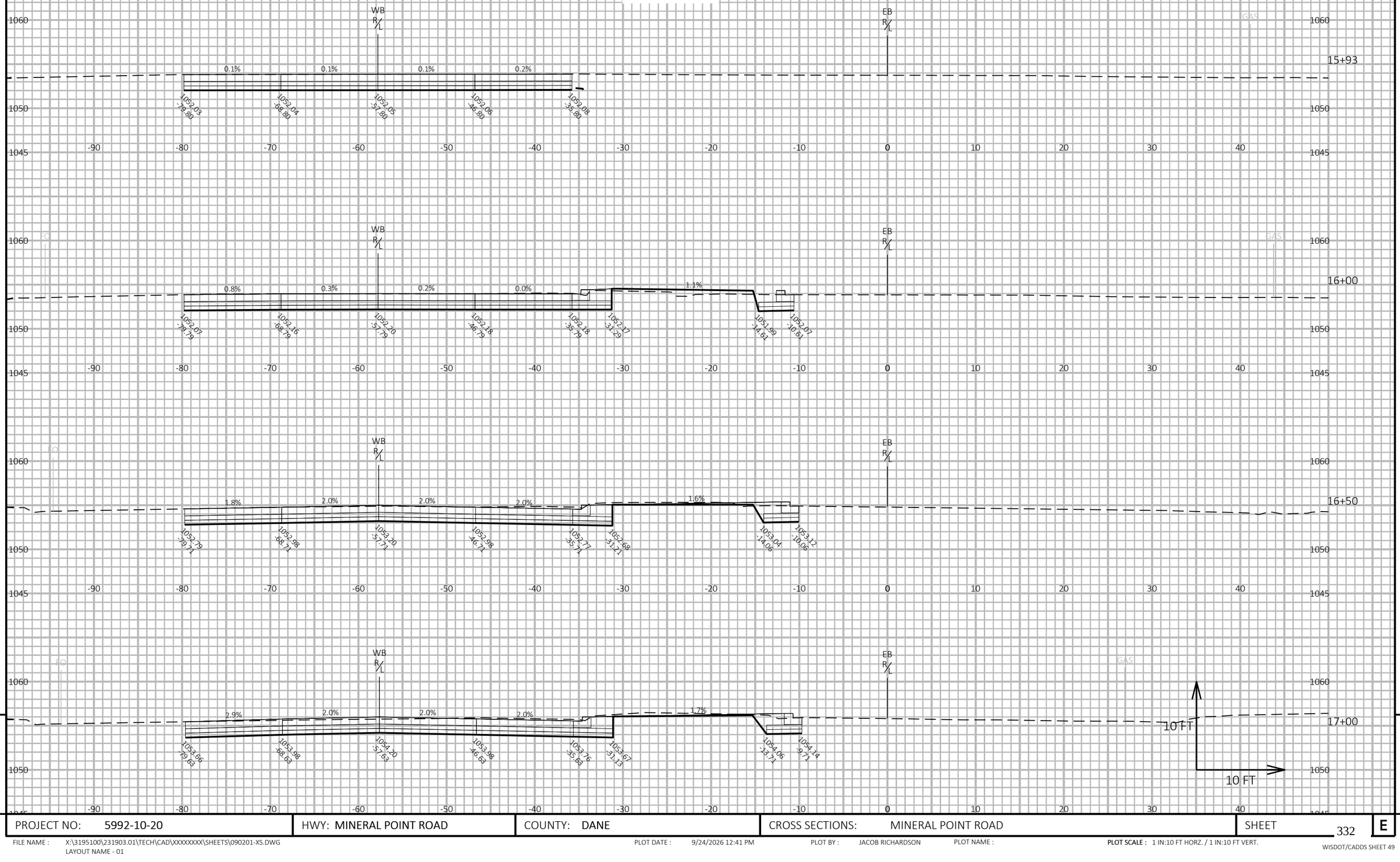
PLOT BY : JACOB RICHARDSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

BEGIN PROJECT

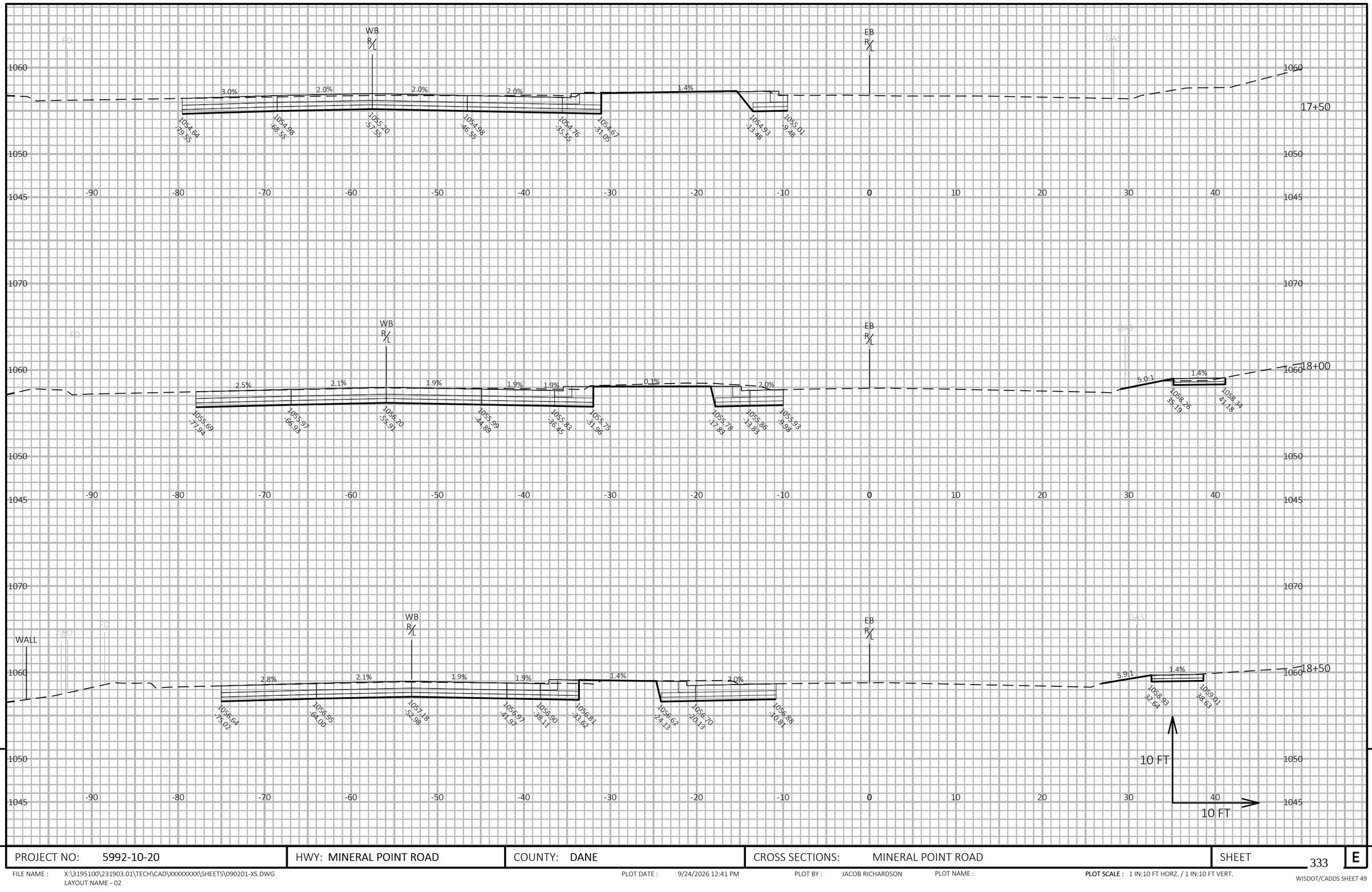


PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 332	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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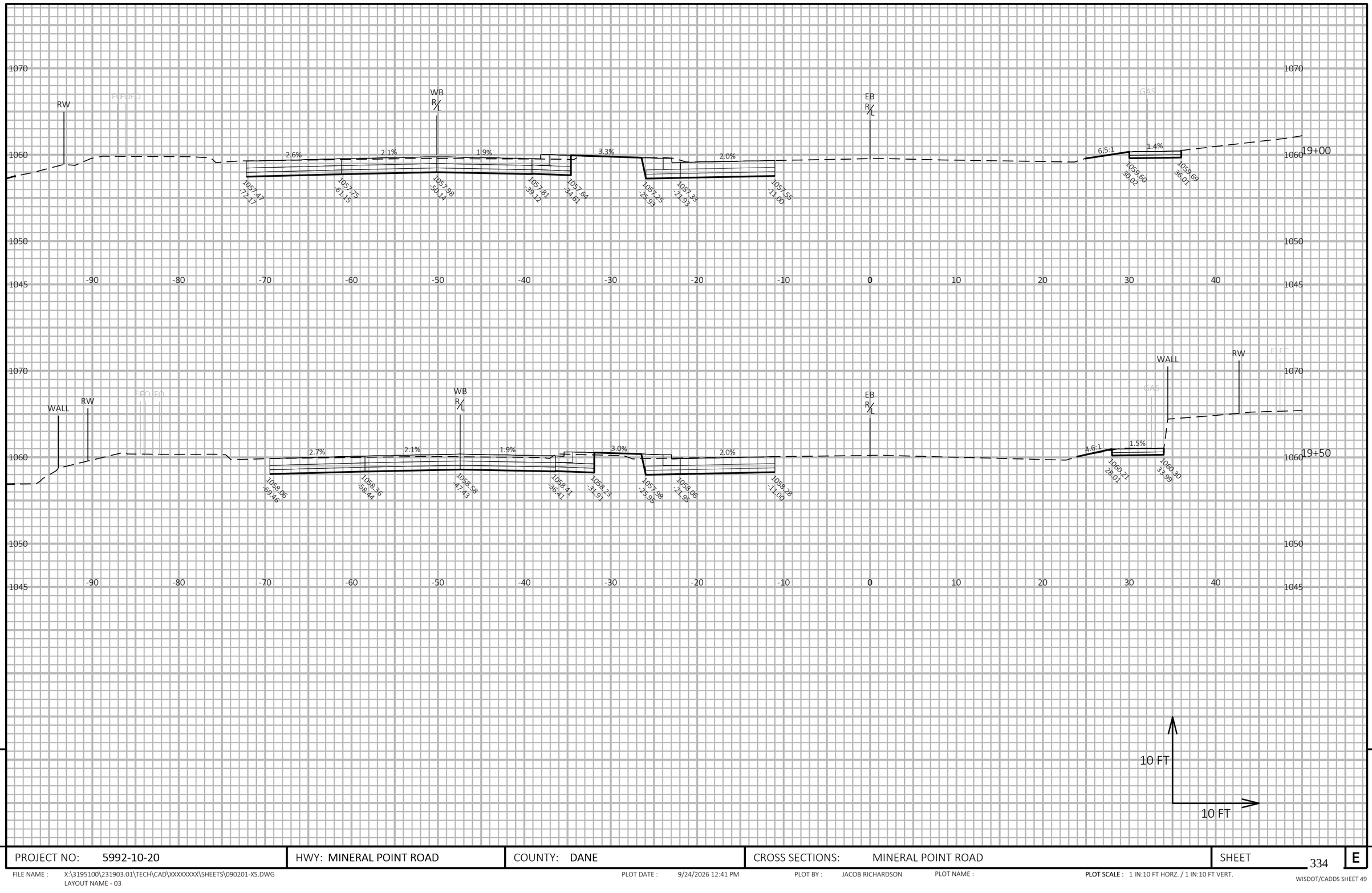
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 333	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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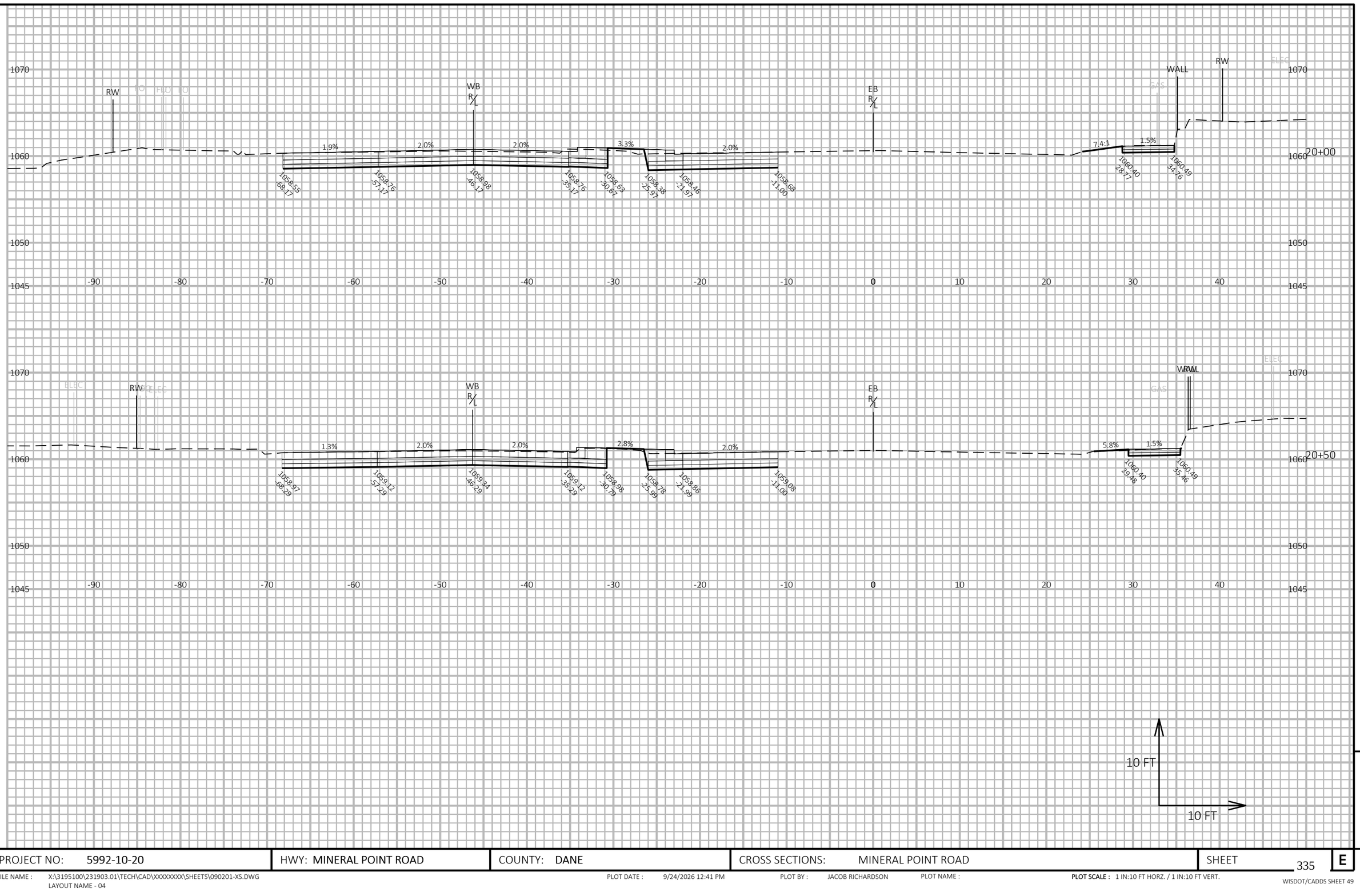
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 334	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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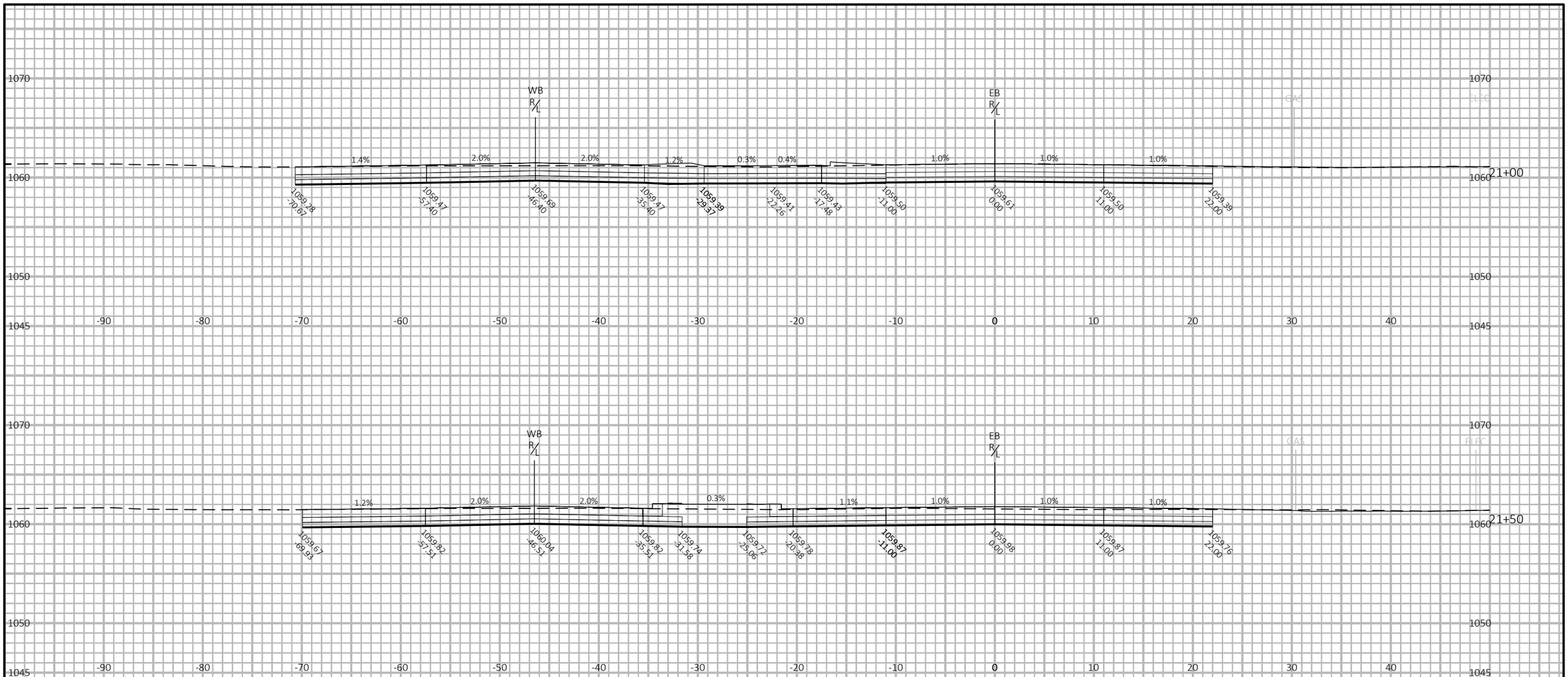
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 335	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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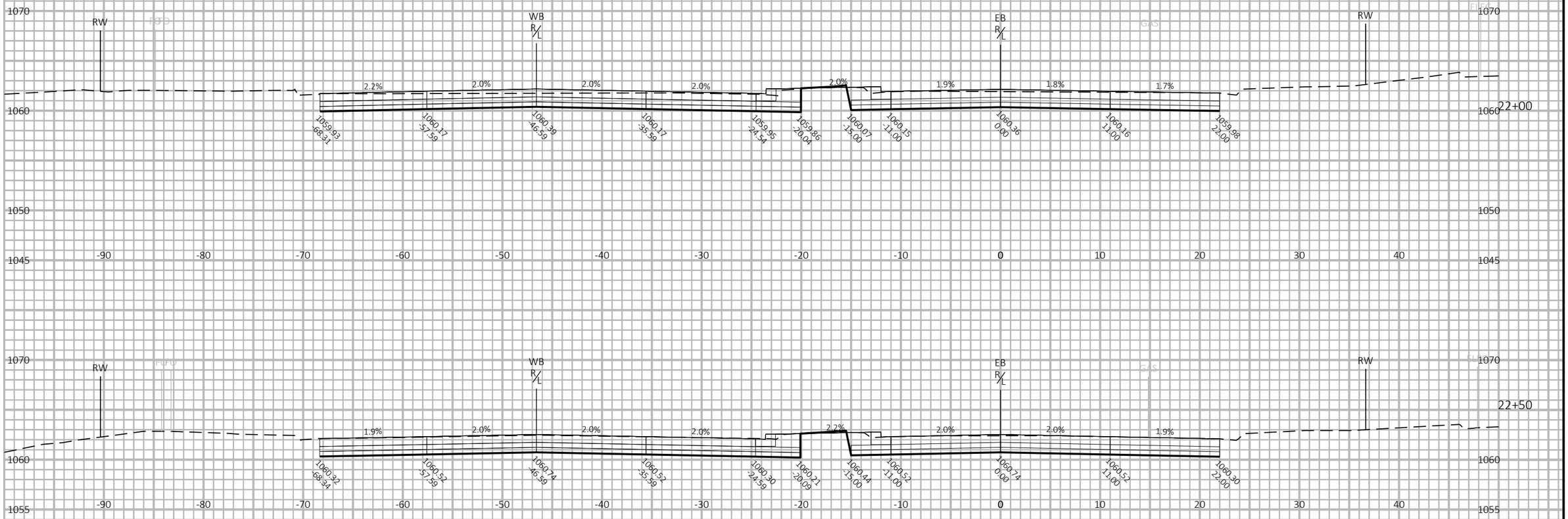
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 336	E

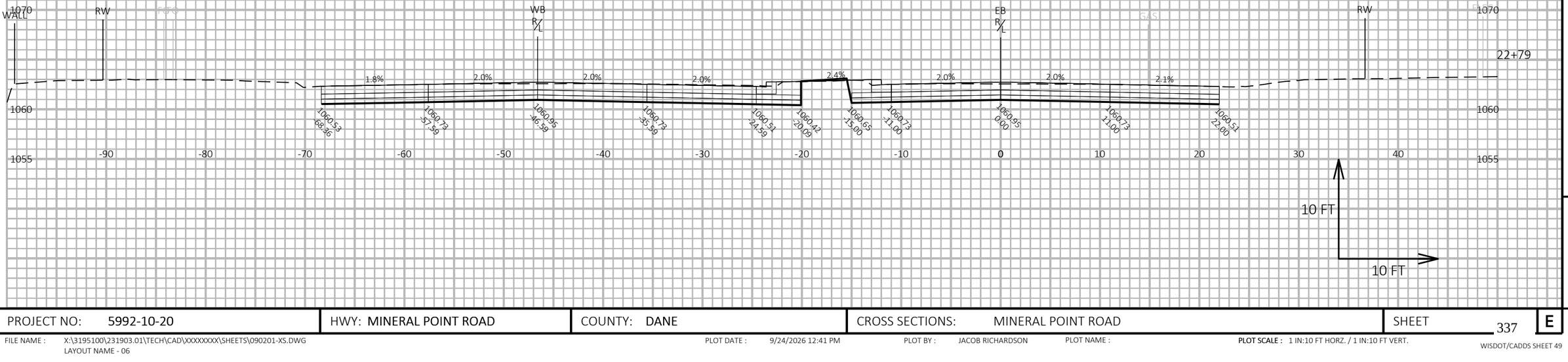
FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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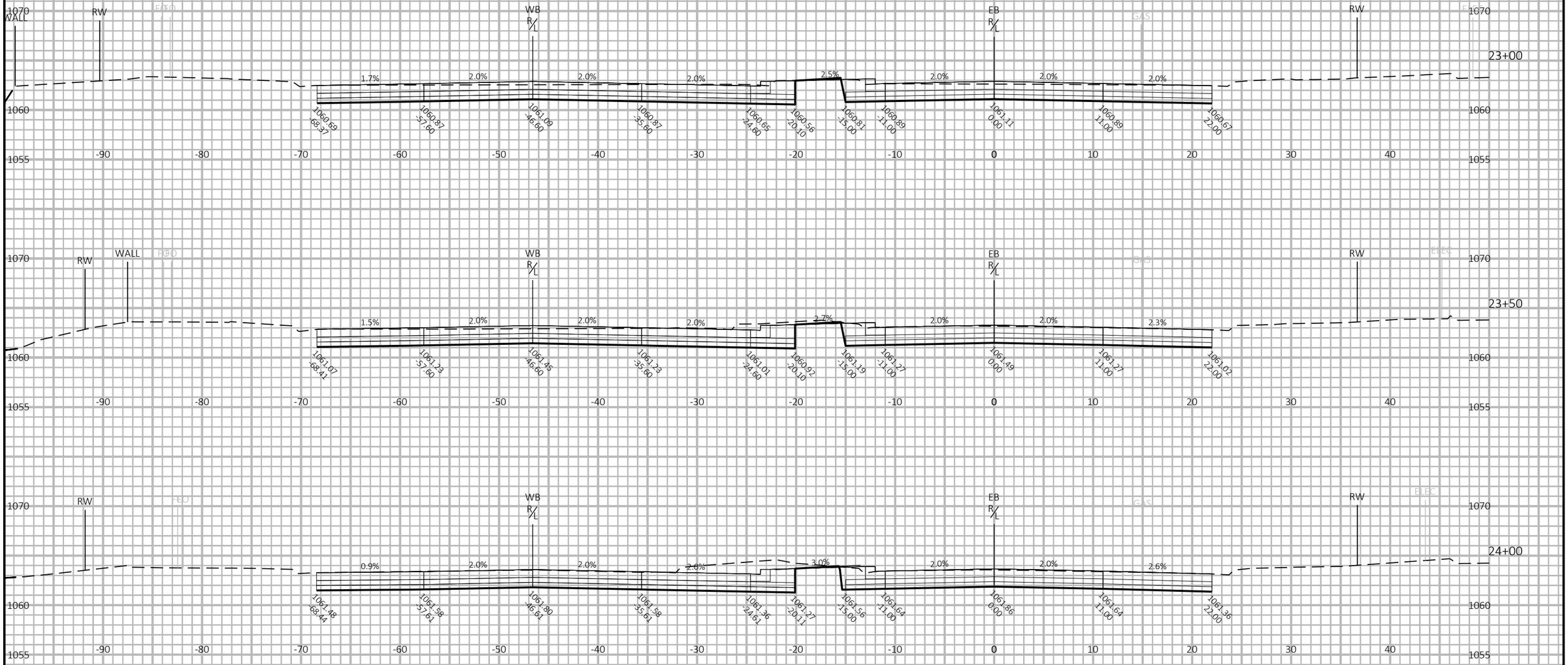
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 337	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 338	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 07

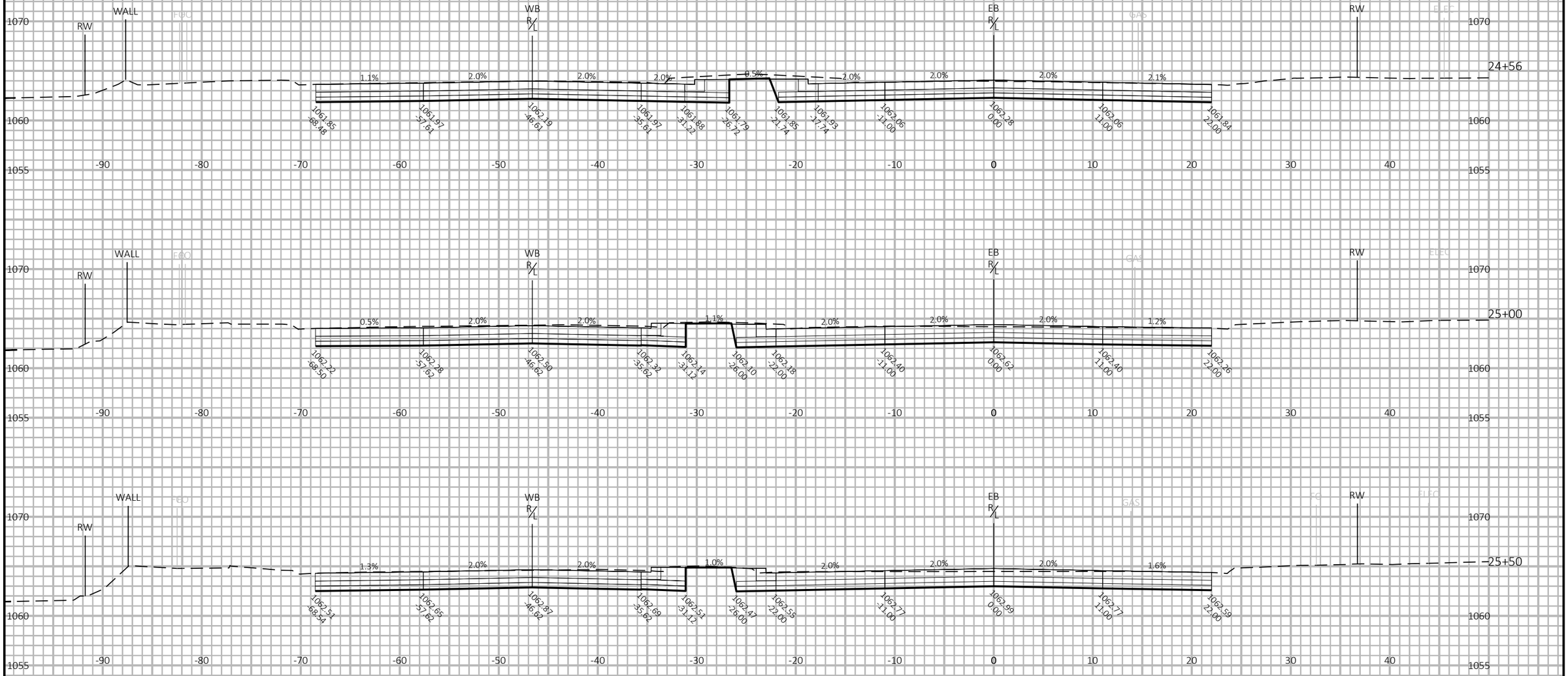
PLOT DATE : 9/24/2026 12:41 PM

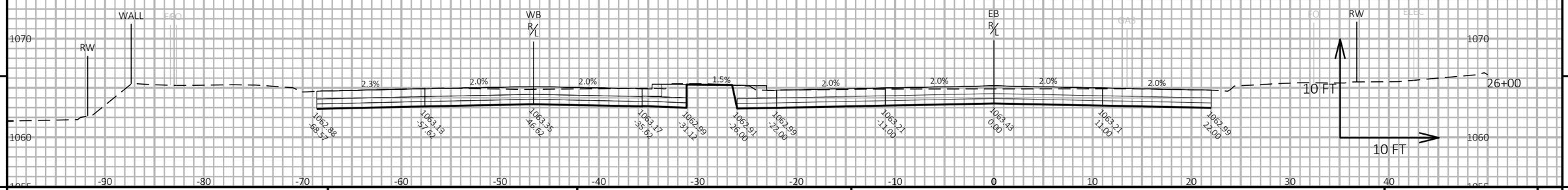
PLOT BY : JACOB RICHARDSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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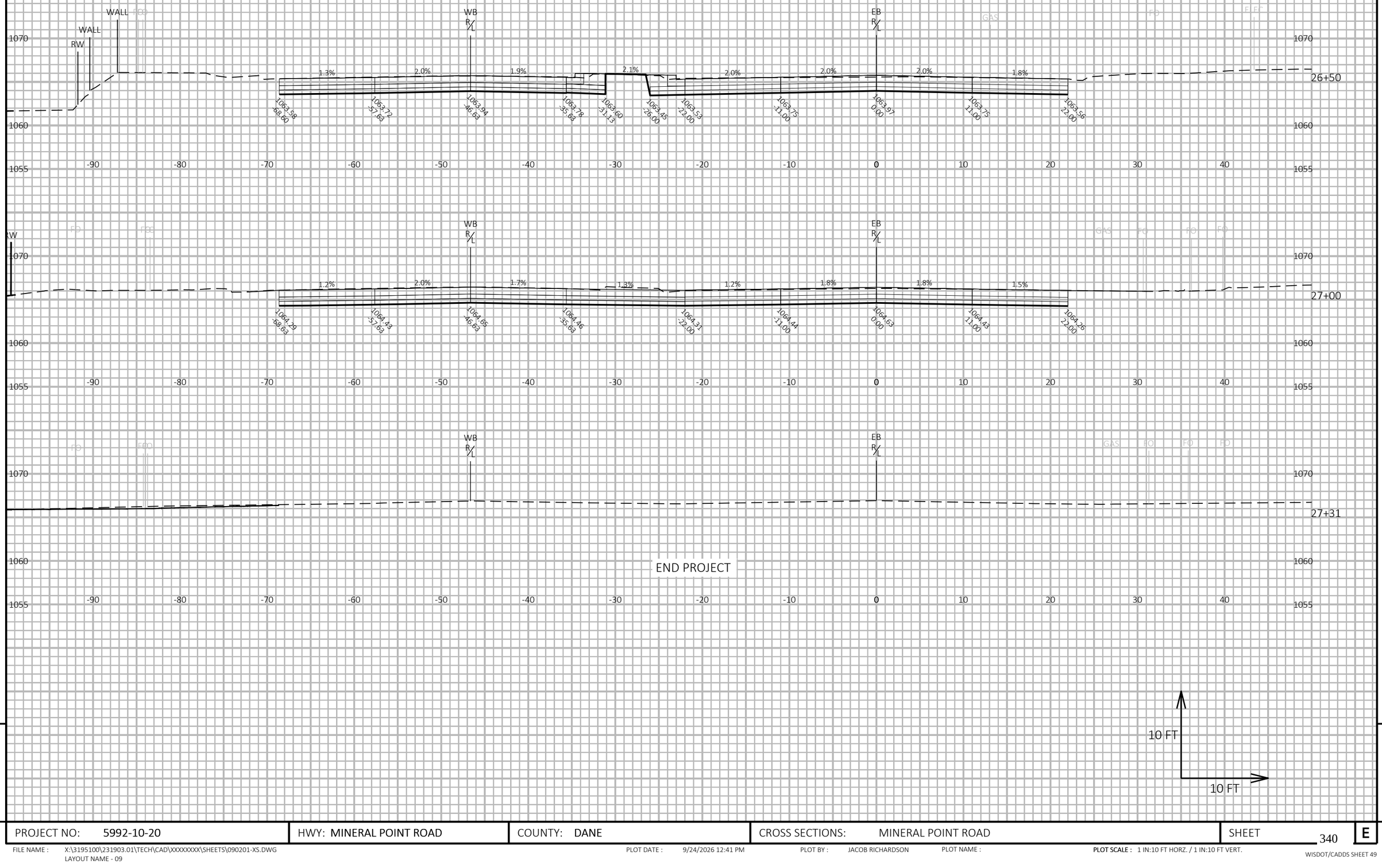
PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 339	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5992-10-20	HWY: MINERAL POINT ROAD	COUNTY: DANE	CROSS SECTIONS: MINERAL POINT ROAD	SHEET 340	E

FILE NAME : X:\3195100\231903.01\TECH\CAD\XXXXXXXX\SHEETS\090201-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 9/24/2026 12:41 PM PLOT BY : JACOB RICHARDSON 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
through innovation and exceptional service.

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