Section No.

Section No.

Section No.

TOTAL SHEETS = 264

DESIGN DESIGNATION

2025

CONVENTIONAL SYMBOLS

= 3,600

= 9%

= 60 MPH = 630,000

PROFILE

UTILITIES

ELECTRIC

STORM SEWER

UTILITY PEDESTAL

TELEPHONE POLE

Ь

Ø

TELEPHONE

POWER POLE

A.A.D.T.

A.A.D.T. D.H.V. D.D.

DESIGN SPEED

CORPORATE LIMITS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

(Box or Pipe)

MARSH AREA

PROPOSED CULVERT

COMBUSTIBLE FLUIDS

PROPERTY LINE

LOTLINE

Estimate of Quantities Miscellaneous Quantities

Standard Detail Drawings

Sign Plates

AUGUST 2025 **STATE OF WISCONSIN** ORDER OF SHEETS Section No. DEPARTMENT OF TRANSPORTATION Typical Sections and Details

PLAN OF PROPOSED IMPROVEMENT

MILTON - WHITEWATER

WCL TO WILLIS RAY ROAD

STH 59 WALWORTH COUNTY

> STATE PROJECT NUMBER 3110-03-73

R-15-E STA 121+70.56 (STH 59) STAR STA 712+69.15 (STH 59) **BEGIN PROJECT** RD STA 9+27 (STH 59) X = 699,680.1809Y = 414,133.9215DLEY 89 Cravath L. T-4-N WILLIS RAY GRADE LINE ORIGINAL GROUND MILLIS ANDERSON **END PROJECT** MARSH OR ROCK PROFILE (To be noted as such) R STA 686+45 (STH 89) RD. SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) FIRER OPTIC SANITARY SEWER

ORIGINAL PLANS PREPARED BY

FEDERAL PROJECT

PROJECT

WISC 2025589

CONTRACT

STATE PROJECT

3110-03-73



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor Designer

Project Manager

HEIDI SCHWARZ

E

Regional Examiner Regional Supervisor

APPROVED FOR THE DEPARTMENT

WOODED OR SHRUB AREA

FILE NAME: W:\31100303\SHEETSPLAN\010101_TI.DWG

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 2.626

PLOT NAME:

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY

COORDINATES, GRID BEARINGS, AND GRID DISTANCES, GRID DISTANCES

NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID

COORDINATE SYSTEM (WCCS), WALWORTH COUNTY

ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE BASED ON GEOID 12A.

UTILITIES CONTACTS

ATC MANAGEMENT INC

EMAIL: CDAILEY@ATCLLC.COM

AT&T WISCONSIN COMMUNICATION LINE MATTHEW VACHALIK 411 7TH STREET RACINE, WI 53403 PHONE: (262) 707-6216 CITY OF WHITEWATER WATER JOSH HYNDMAN 308 N. FREEMONT WHITEWATER, WI 53190

> PHONE: (262) 473-0560 EMAIL: JHYNDMAN@WHITEWATER-WI.GOV

SPECTRUM COMMUNICATION LINE

EMAIL: MV5616@ATT.COM

ELECTRICITY TRANSMISSION PAUL WAGNER CHRIS DAILEY 1348 PLAINFIELD AVE W234 N 2000 RIDGEVIEW PARKWAY CT, P.O. BOX 47 JANESVILLE, WI 53545 WAUKESHA, WI 53187 PHONE: (262) 506-6884

PHONE: (920) 979-2660 EMAIL: PAUL.WAGNER@CHARTER.COM

CITY OF WHITEWATER SFWFR BEN MIELKE 109 CTY HWY U WHITEWATER, WI 53190 PHONE: (262) 473-5920

WE ENERGIES ELECTRICITY

EMAIL: BMIELKE@WHITEWATER-WI.GOV

ERIC KICKHAVER 500 S 116TH ST WEST ALLIS, WI 53214 PHONE: (414) 944-5917

EMAIL: ERIC.KICKHAVER@WE-ENERGIES.COM

WE ENERGIES GAS/PETROLEUM SCOTT HOLSTEIN 700 S KANE STREET BURLINGTON, WI 53105 PHONE: (262) 763-1084

EMAIL: SCOTT.HOLSTEIN@WE-ENERGIES.COM

WISCONSIN DNR LIAISON

CRAIG WEBSTER SOUTHFAST 141 NW BARSTOW ST. #180 WAUKESHA, WI 53187 PHONE: (262) 574-2141

EMAIL: CRAIG.WEBSTER@WISCONSIN.GOV

REGION SURVEY COORDINATOR

ROB MERRY SOUTHEAST W239 N1812 ROCKWOOD DRIVE P.O. BOX 1607 WAUKESHA, WI 53187 PHONE: (262) 953-4289 EMAIL: RMERRY@SEWRPC.ORG

CONSTRUCTION COORDINATOR - SEWRPC

ANDY TRAFGER CONSTRUCTION COORDINATOR - SEWRPC W239 N 1812 ROCKWOOD DRIVE P.O. BOX 1607 WAUKESHA, WI 53187 PHONE: (262) 953-4296 EMAIL: ATRAGER@SEWRPC.ORG

DESIGN PROJECT MANAGER

GARY METZER RFGION 141 NW BARSTOW ST. P.O. BOX 798 WAUKESHA, WI 53187 PHONE: (262) 548-5685 EMAIL: GARY.METZER@DOT.WI.GOV

DESIGNER

HEIDI SCHWARZ 201 MAIN STREET, SUITE 1020 LA CROSSE, WI, 54601 PHONE: (608) 789-2034 EMAIL: HEIDI.SCHWARZ@ISGINC.COM

WISCONSIN DEPARTMENT OF TRANSPORTATION

JOYCE MURPHY TRAFFIC SIGNALS 141 MW BARSTOW ST. P.O. BOX 798 WAUKESHA, WI 53187 PHONE: (262) 521-5381 EMAIL: JOYCE.MURPHY@DOT.WI.GOV

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. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS **HOTLINE**

ANY REINFORCEMENT LOCATED IN EXISTING CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE REMOVING PAVEMENT ITEM, AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.

CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC), AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS.

CONSTRUCT PAVEMENT CONSISTENT WITH THE PLAN TYPICAL SECTIONS. LOCATE LONGITUDINAL JOINTS IN ASPHALT PAVEMENT OUTSIDE OF DRIVING, TURNING, BIKE, OR PARKING LANE UNLESS DIRECTED OTHERWISE BY THE ENGINEER. PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE, OR PARKING LANE. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE, OR PARKING LANE.

RESHAPE, RESTORE, AND FINISH ALL PREVIOUSLY GRASSED AREAS DISTURBED BY OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT NO EXPENSE TO THE DEPARTMENT.

ALL DISTURBED, GRADED, OR SOIL STOCKPILE AREAS SHALL BE PERMANENTLY RESTORED WITHIN 10 DAYS OF ANY CONTRACTOR DISTURBANCE. ANY DISTURBED, GRADED, OR SOIL STOCKPILE AREAS NOT PERMANENTLY RESTORED WITHIN 10 DAYS SHALL BE TEMPORARY SEEDED AND MULCHED WITHIN 5 DAYS OF THE INITIAL AND ANY REPEATED DISTURBANCES.

DO NOT PLACE FERTILIZER WITHIN 20 FEET OF A WATER BODY OR WETLAND.

DO NOT REMOVE ANY TREES OR SHRUBS WITHOUT APPROVAL OF THE ENGINEER.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	А		В		С			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	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIPTURF:	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.25			.27			.28			.30
SIDE SLOPETURF:			.32			.34			.36			.38
PAVEMENT:												
ASPHALT:	.7095											
CONCRETE:	.8095											
BRICK:	.7080											
DRIVES, WALKS:	.7585											
ROOFS:	.7595											
GRAVEL ROADS, SHOULDERS:	.4060											



PAVEMENT DESIGN

3½" HMA PAVEMENT (MAINLINE MILL AND OVERLAY)

LOCATION	LOWER LAYER	UPPER LAYER	HMA		
MAINLINE AND TURN LANES	1 ¾ -INCH	1 ¾ -INCH	4LT 58-28 H		
SHOULDERS	X	1 ¾ -INCH	4LT 58-28 H		
ASPHALTIC REPAIR	Χ	VARIES	ASPHALTIC SURFACE		

PROJECT NO: 3110-03-73 HWY: STH 59

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.06 ACRES

COUNTY: WALWORTH

GENERAL NOTES

SHEET

W:\31100303\SHEETSPLAN\020101-GN.DWG FILE NAME : LAYOUT NAME - 020101-gn

TOTAL PROJECT AREA = 12.16 ACRES

6/27/2025 8:08 AM

PLOT BY:

RYAN BOOTH

PLOT NAME

PLOT SCALE:

WISDOT/CADDS SHEET 42

STANDARD ABBREVIATIONS TANGENT AC ACRE AGGREGATE AGG TEMPORARY TEMP UNITED STATES HIGHWAY AH AHEAD USH AADT ANNUAL AVERAGE DAILY TRAFFIC VELOCITY OR DESIGN SPEED ASPH ASPHALTIC VERTICAL CURVE VC AVERAGE WESTBOUND AVG WB BAD BASE AGGREGATE DENSE BENCH MARK BM BR BRIDGE CL or C/L CENTER LINE COMMERCIAL ENTERANCE CE CONC CONCRETE CO COUNTY CTH COUNTY TRUNK HIGHWAY CR CREEK CRUSHED AGGREGATE BASE COURSE CABC CY or CUYD CUBIC YARD CULV CULVERT

PT POINT PC POINT OF CURVATURE POINT OF INTERSECTION PT POINT OF TANGENCY PCC PORTLAND CEMENT CONCRETE LB POUND PE PRIVATE ENTERANCE RADUIS RL or R/L REFERENCE LINE RT RIGHT R/W RIGHT OF WAY RD ROAD SHOULDER SHLDR SOUTHBOUND SF or SQ FT SQUARE FEET SY or SQ YD SQUARE YARD STANDARD DETAIL DRAWING SDD STH STATE TRUNK HIGHWAY SUPERELEVATION SE

CP

D DIA

EB

EW

ENT

EXC

EX FERT

FE

FT

HMA

CWT

INL

INV JCT

LT

LS

NC

NB

NO

FL or F/L

C & G

DISCH

CULVERT PIPE

DIAMETER

DISCHARGE EAST

EASTBOUND

ENDWALL

ENTRANCE

FERTILIZER

FLOW LINE

FOOT

INVERT

LEFT LENGTH OF CURVE

LIN FT or LF LINEAR FOOT

JUNCTION

LUMP SUM NORMAL CROWN

NORTHBOUND

NORTH

NUMBER

FIELD ENTRANCE

HOT MIX ASPHALT

HUNDREDWEIGHT INLET

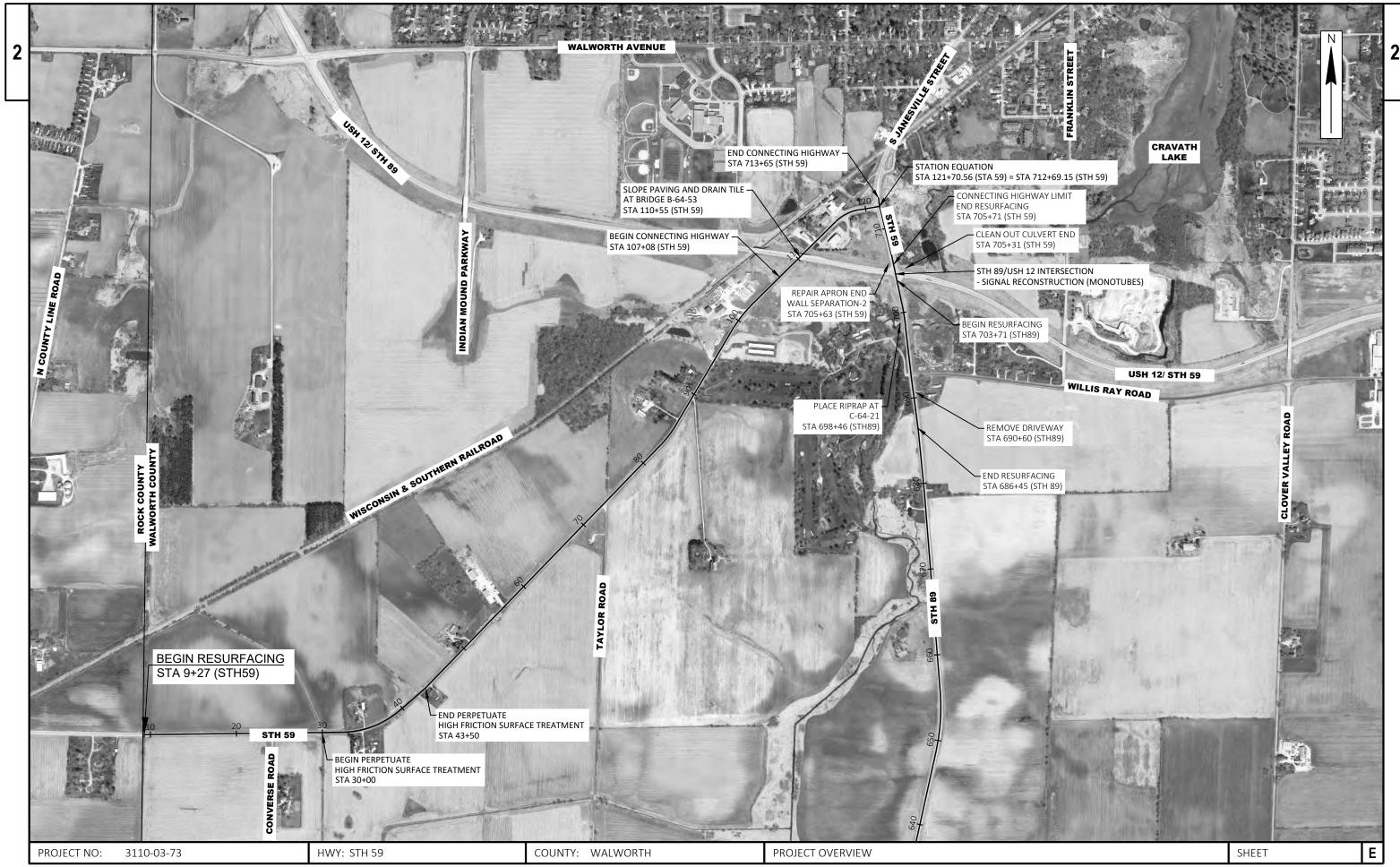
EXCAVATION EXISTING

EL or ELEV ELEVATION

CURB AND GUTTER DEGREE OF CURVE

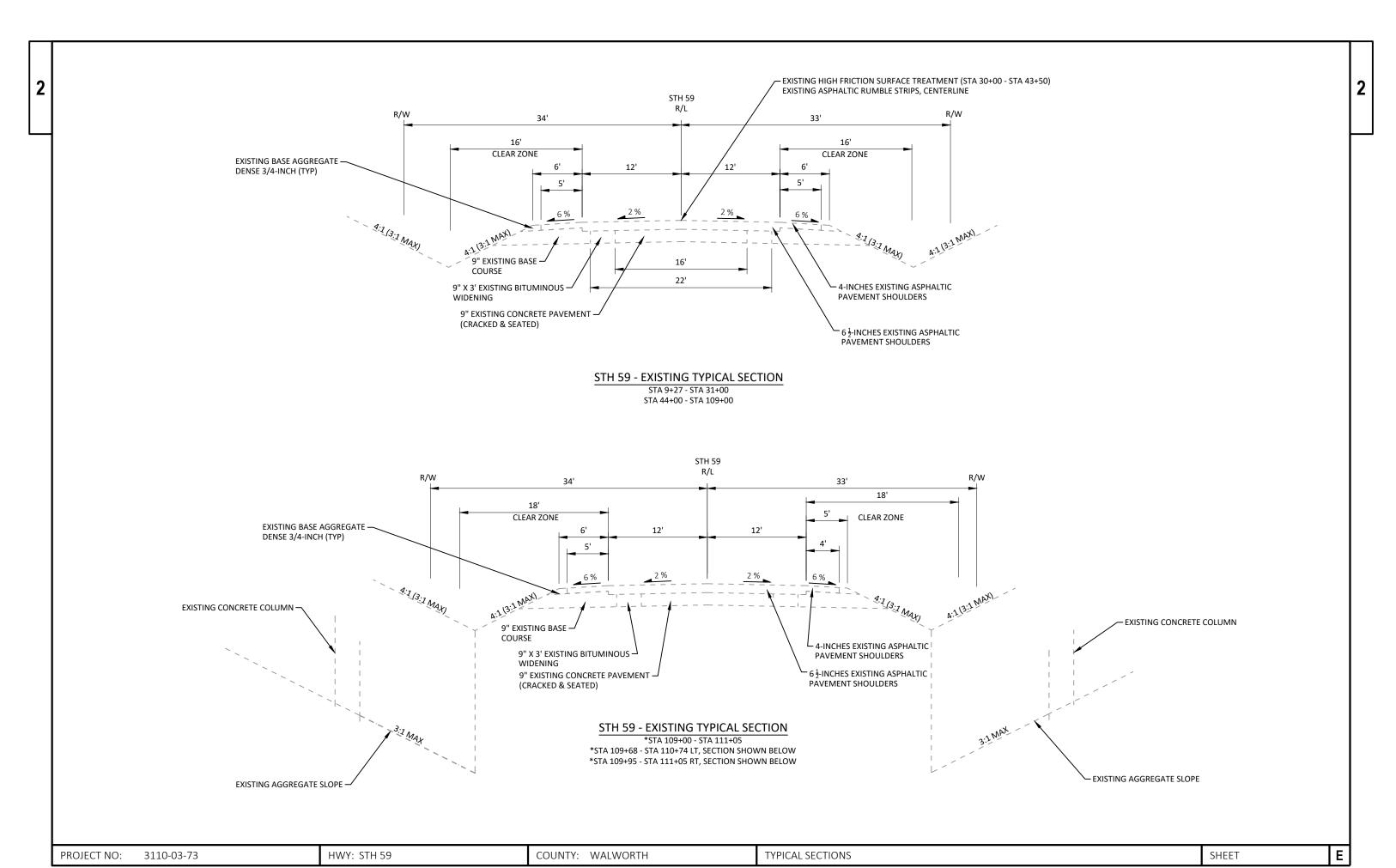
HWY: STH 59 Ε PROJECT NO: 3110-03-73 COUNTY: WALWORTH **GENERAL NOTES** SHEET W:\31100303\SHEETSPLAN\020101-GN.DWG FILE NAME :

PLOT DATE : 6/27/2025 8:08 AM PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : WISDOT/CADDS SHEET 42 LAYOUT NAME - 020102-gn



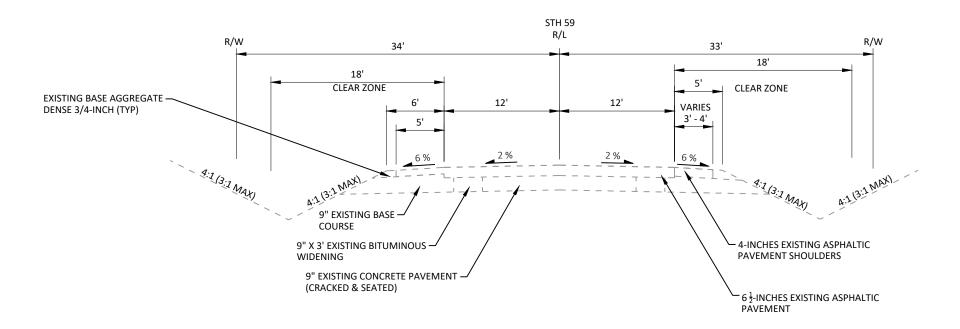
FILE NAME: W:\31100303\SHEETSPLAN\020201-PO.DWG PLOT DATE: 6/27/2025 8:08 AM PLOT BY: RYAN BOOTH PLOT NAME: PLOT SCALE: 1 IN:1000 FT WISDOT/CADDS SHEET 42

LAYOUT NAME - 020201-po

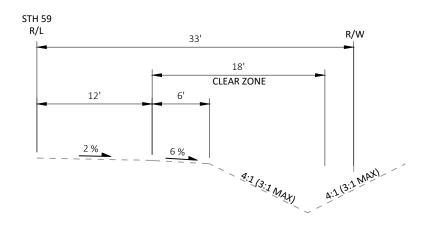








STH 59 - EXISTING TYPICAL SECTION STA 111+05 - STA 111+87



STH 59 - EXISTING TYPICAL DITCH SECTION

STA 15+35 - STA 16+50 LT	STA 9+00 - STA 10+00 RT
STA 23+00 - STA 25+30 LT	STA 23+20 - STA 24+75 RT
STA 48+49 - STA 52+50 LT	STA 41+50 - STA 43+00 RT
STA 56+00 - STA 63+60 LT	STA 47+00 - STA 52+50 RT
STA 85+75 - STA 89+50 LT	STA 88+50 - STA 90+00 RT
STA 90+50 - STA 92+50 LT	STA 93+50 - STA 99+25 RT
STA 93+42 - STA 95+50 LT	



R/W

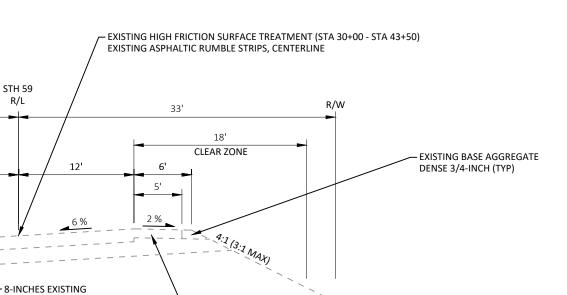
33 - 50'

4:1(3:1 MAX)

CLEAR ZONE

5.95'

9" EXISTING BASE COURSE -



- 5½-INCHES EXISTING ASPHALTIC PAVEMENT SHOULDERS

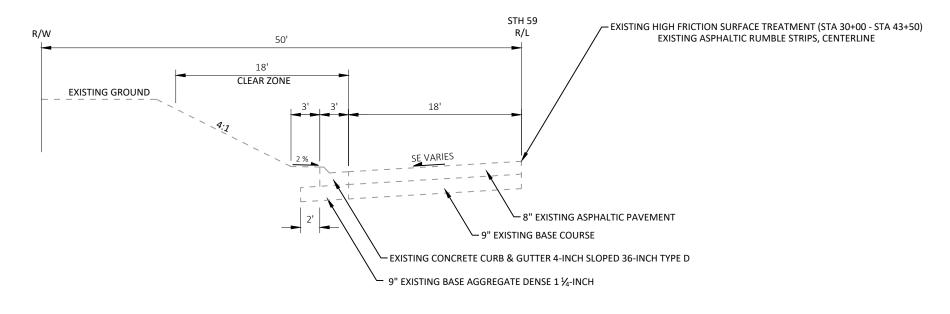
STH 59 - EXISTING TYPICAL SECTION

12'

(SUPERELEVATION 6% MAX) STA 31+00 - STA 44+00* *STA 32+28 - STA 35+34 (LEFT) SECTION SHOWN BELOW

STH 59 R/L

ASPHALTIC PAVEMENT

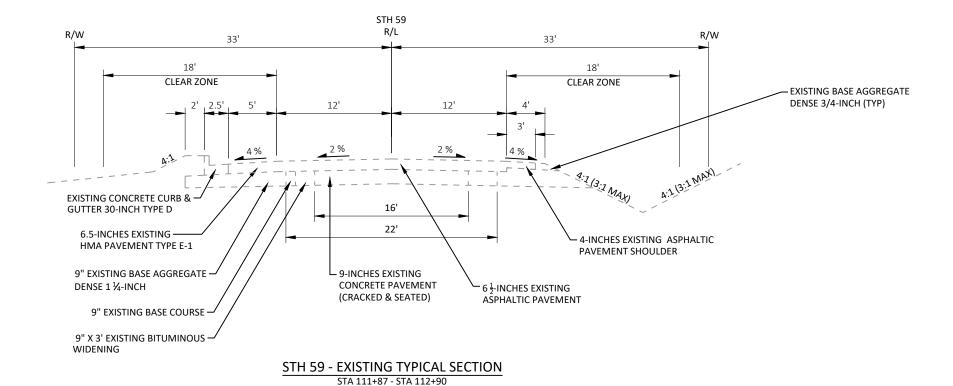


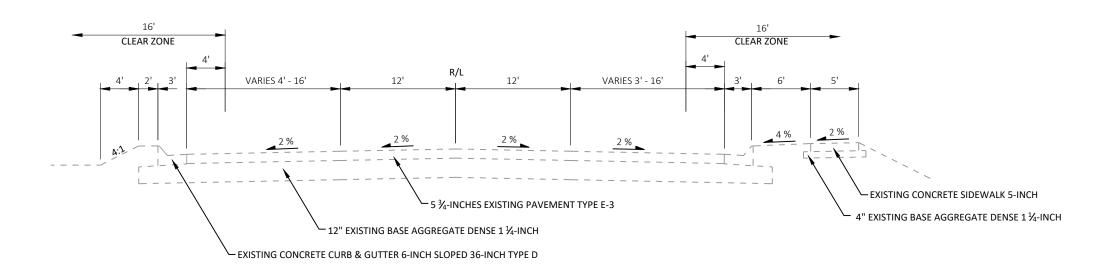
STH 59 - EXISTING TYPICAL SECTION

STA 32+28 - STA 35+34 (LEFT)

Ε PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH TYPICAL SECTIONS SHEET W:\31100303\SHEETSPLAN\020301_TS.DWG PLOT DATE : PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : 1 IN:10 FT FILE NAME : 6/27/2025 8:09 AM

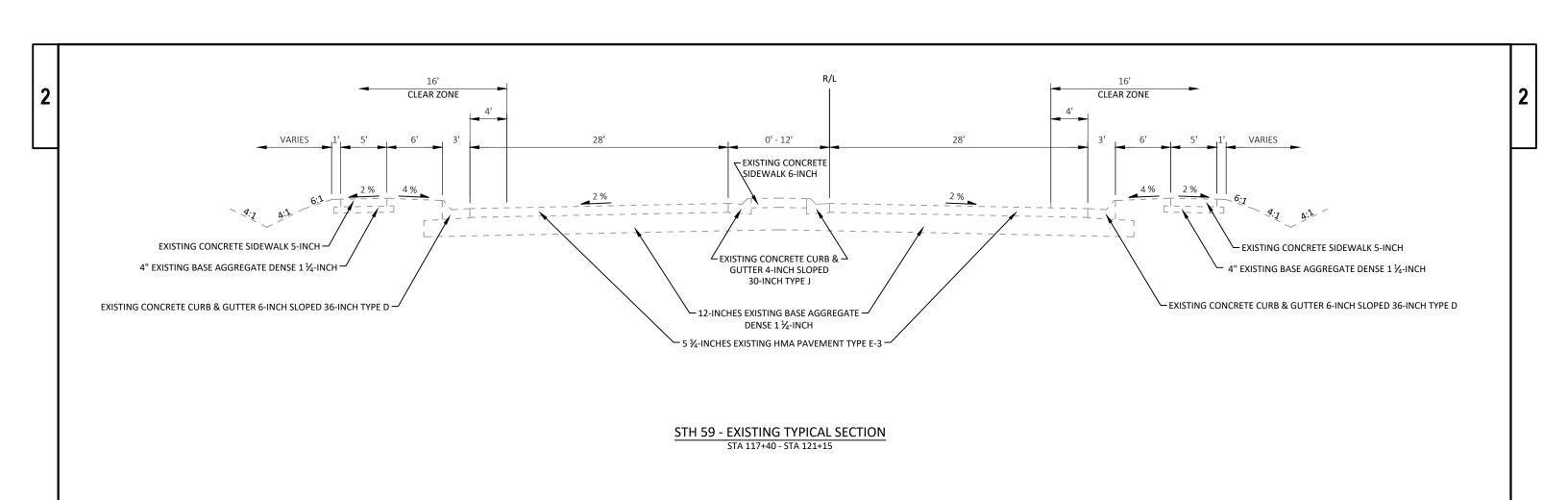


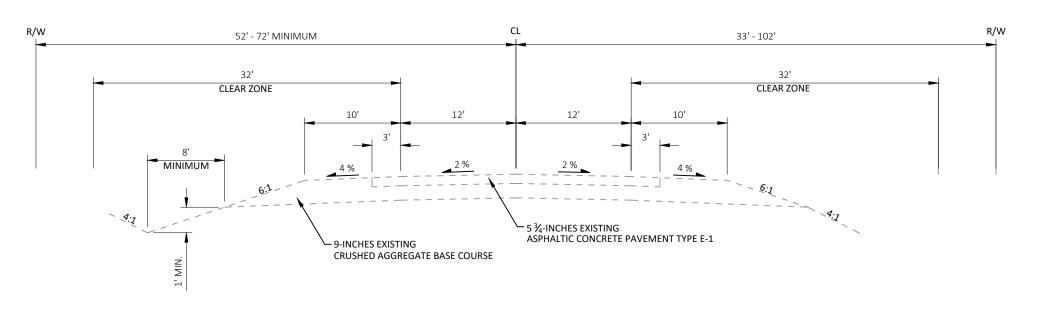




STH 59 - EXISTING TYPICAL SECTION STA 112+90 - STA 117+40

HWY: STH 59 Ε PROJECT NO: 3110-03-73 COUNTY: MILWAUKEE TYPICAL SECTIONS SHEET W:\31100303\SHEETSPLAN\020301_TS.DWG PLOT BY : RYAN BOOTH PLOT NAME : PLOT SCALE : 1 IN:10 FT FILE NAME : 6/27/2025 8:09 AM

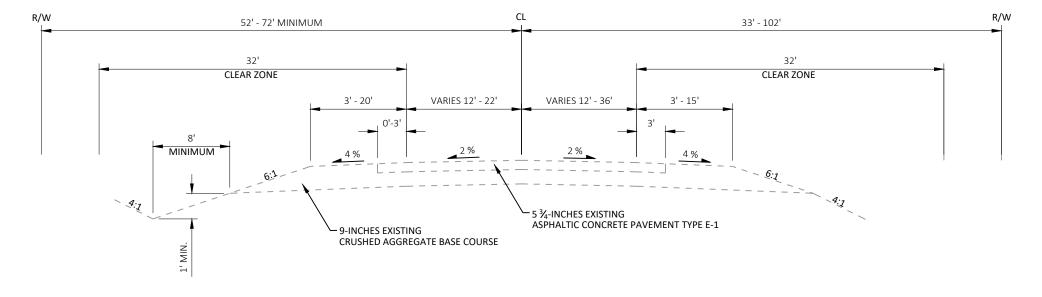




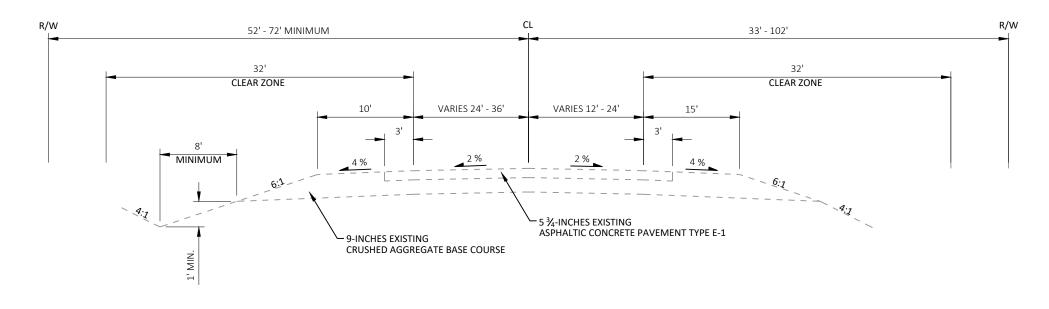
STH 89 - EXISTING TYPICAL SECTION STA 686+45 - STA 698+50

COUNTY: WALWORTH Ε PROJECT NO: 3110-03-73 HWY: STH 59 TYPICAL SECTIONS SHEET W:\31100303\SHEETSPLAN\020301_TS.DWG PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : FILE NAME : 6/27/2025 8:09 AM 1 IN:10 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 020305-ts 1in-10ft





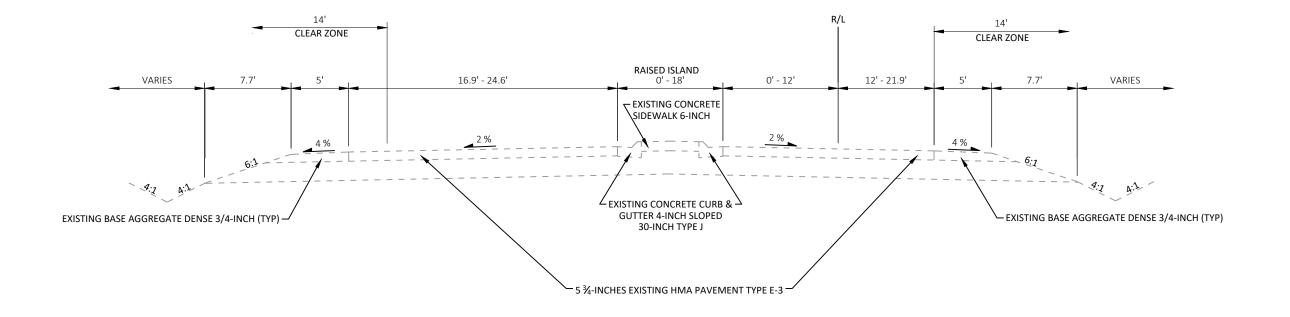
STH 89 - EXISTING TYPICAL SECTION STA 698+50 - STA 703+71



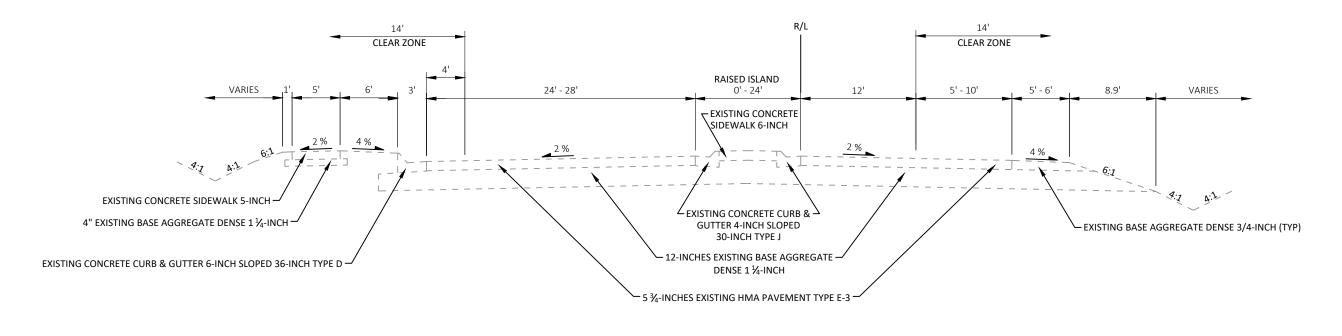
STH 59 - EXISTING TYPICAL SECTION STA 705+71 - STA 708+85

HWY: STH 59 Ε PROJECT NO: 3110-03-73 COUNTY: WALWORTH TYPICAL SECTIONS SHEET W:\31100303\SHEETSPLAN\020301_TS.DWG LAYOUT NAME - 020306-ts PLOT DATE : 6/27/2025 8:09 AM PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : 1 IN:10 FT FILE NAME : WISDOT/CADDS SHEET 42



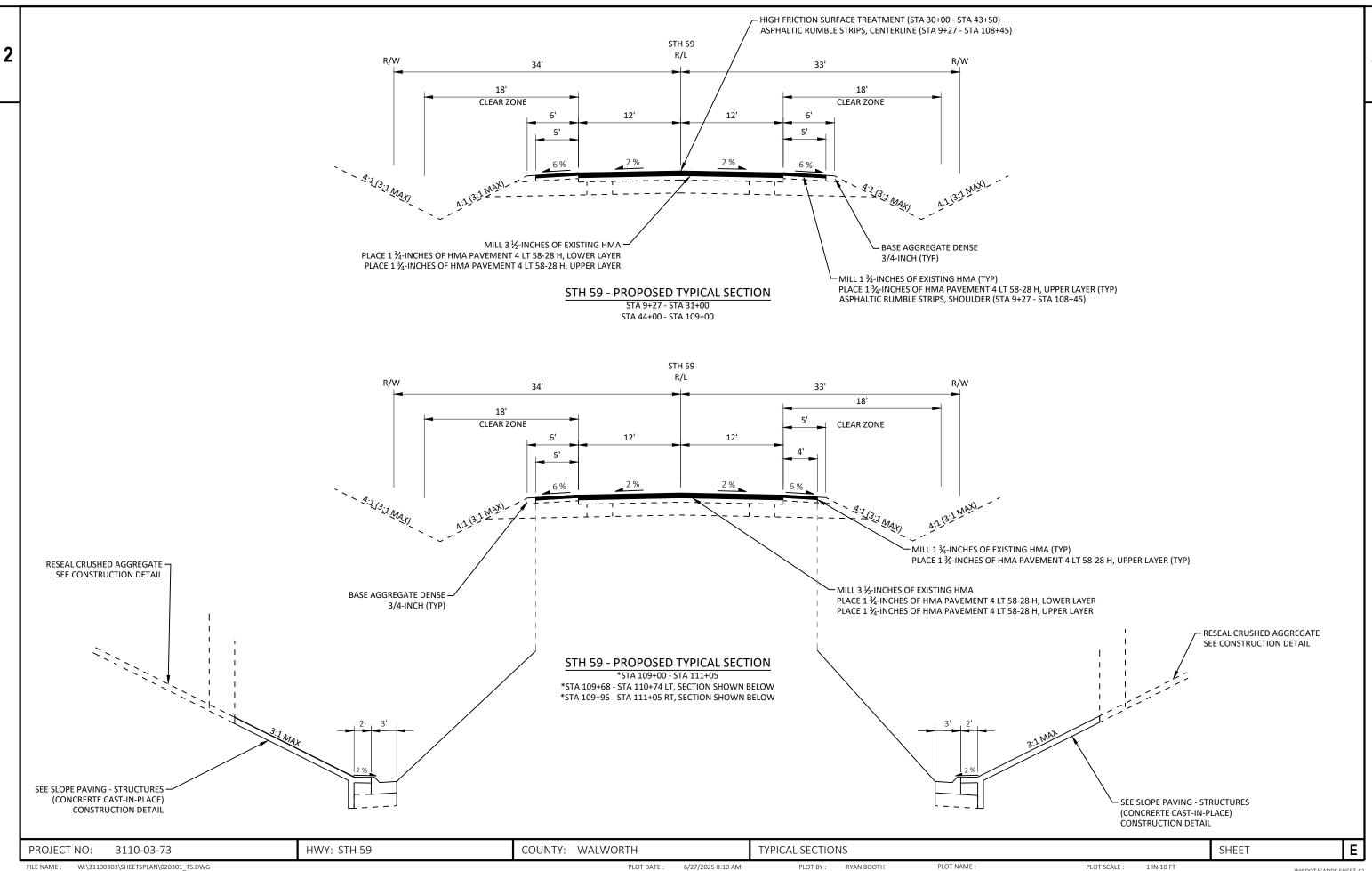


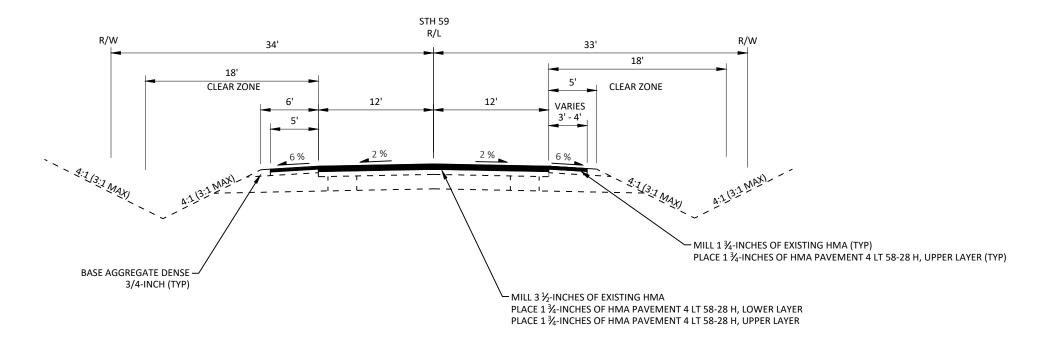
STH 59 - EXISTING TYPICAL SECTION STA 708+85 - STA 712+69



STH 59 - EXISTING TYPICAL SECTION
STA 712+69 - STA 713+88

Ε PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH TYPICAL SECTIONS SHEET W:\31100303\SHEETSPLAN\020301 TS.DWG PLOT DATE : PLOT BY : RYAN BOOTH PLOT NAME : PLOT SCALE : FILE NAME : 6/27/2025 8:09 AM 1 IN:10 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 020307-ts 1in-10ft

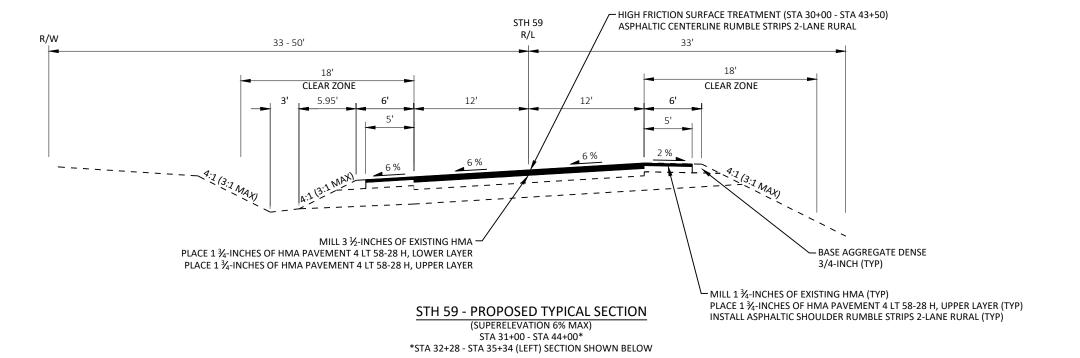


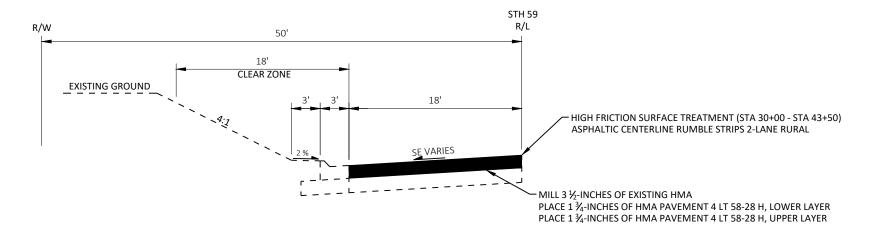


STH 59 - PROPOSED TYPICAL SECTION STA 111+05 - STA 111+87

3110-03-73 HWY: STH 59 TYPICAL SECTIONS Ε PROJECT NO: COUNTY: WALWORTH SHEET FILE NAME : PLOT DATE : 6/27/2025 8:10 AM PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : 1 IN:10 FT





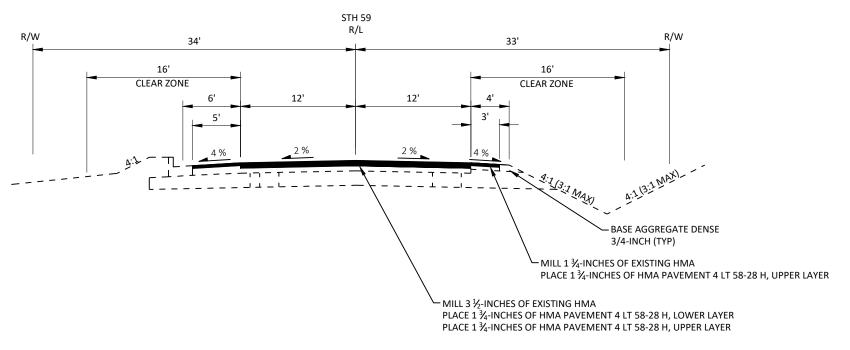


STH 59 - PROPOSED TYPICAL SECTION STA 32+28 - STA 35+34 (LEFT)

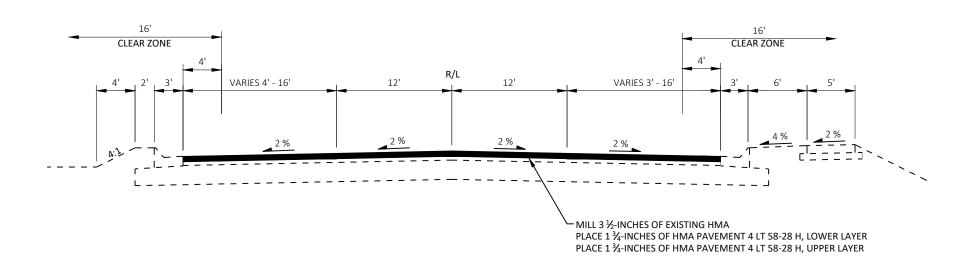
SAFETY EDGE

Ε PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH TYPICAL SECTIONS SHEET PLOT BY : RYAN BOOTH PLOT NAME : PLOT DATE : 6/27/2025 8:10 AM PLOT SCALE : 1 IN:10 FT FILE NAME :





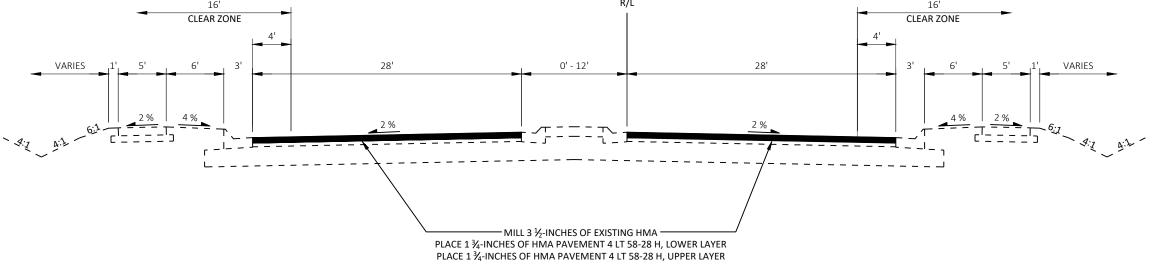
STH 59 - PROPOSED TYPICAL SECTION STA 111+87 - STA 112+90



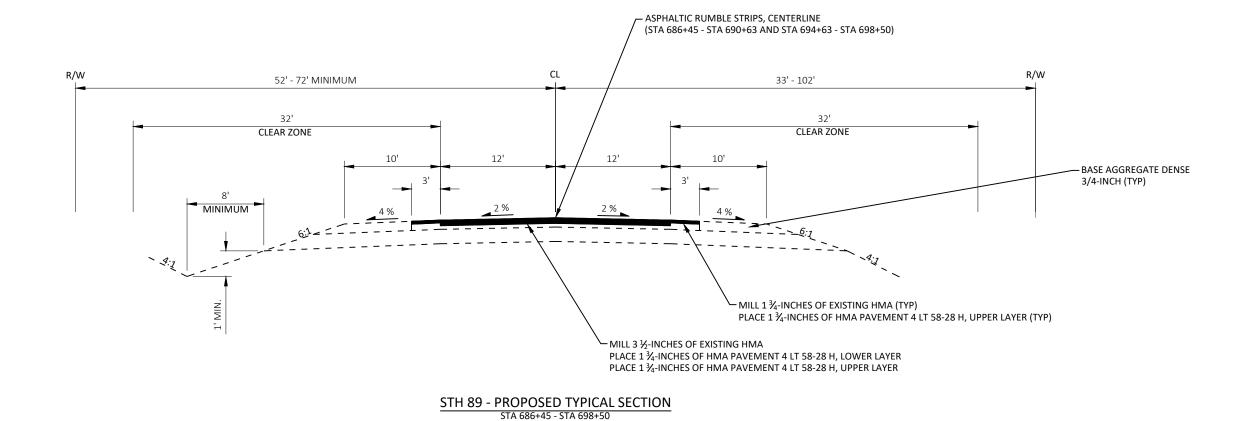
STH 59 - PROPOSED TYPICAL SECTION STA 112+90 - STA 117+40

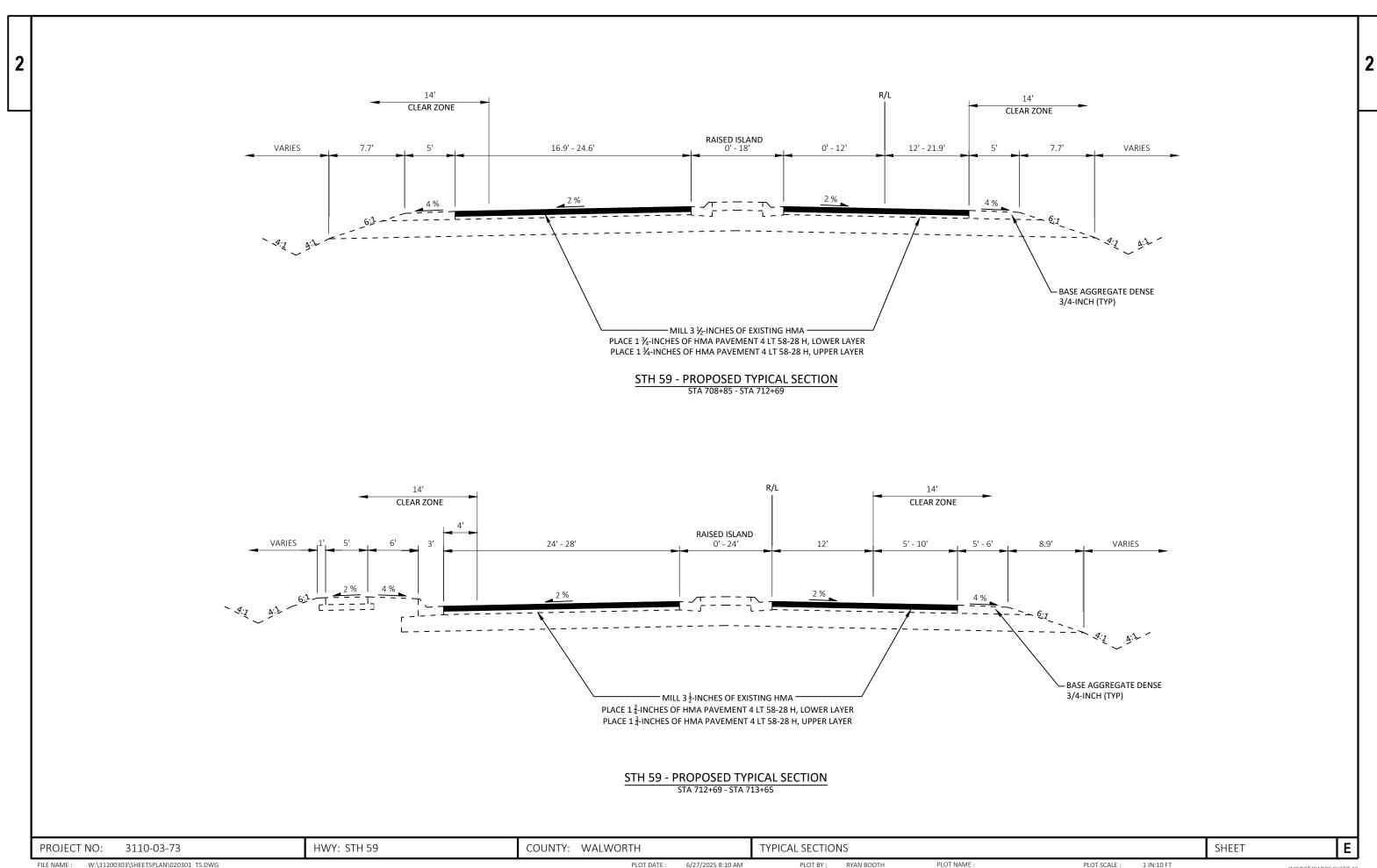
HWY: STH 59 Ε PROJECT NO: 3110-03-73 COUNTY: WALWORTH TYPICAL SECTIONS SHEET W:\31100303\SHEETSPLAN\020301_TS.DWG 6/27/2025 8:10 AM PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : 1 IN:10 FT FILE NAME :

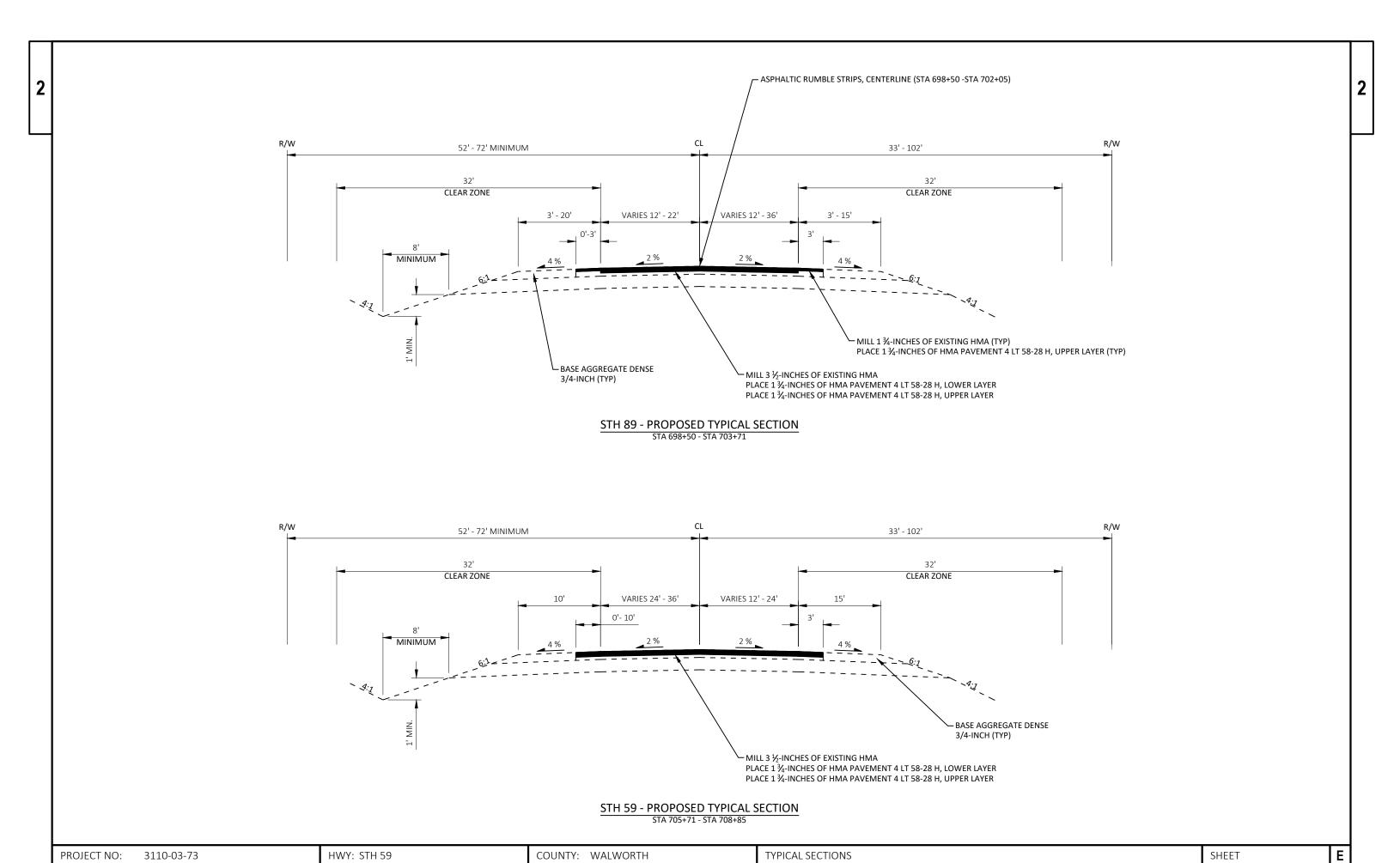




STH 59 - PROPOSED TYPICAL SECTION STA 117+40 - STA 121+15



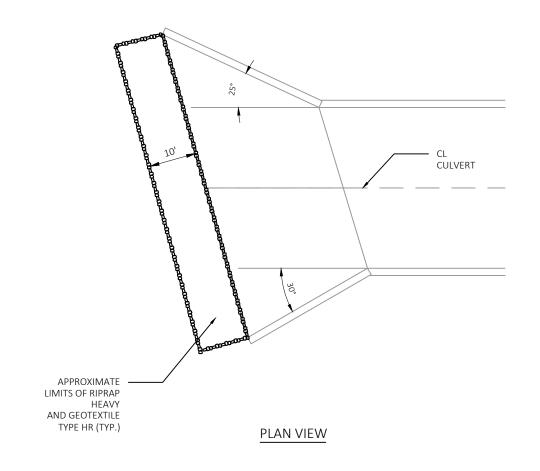


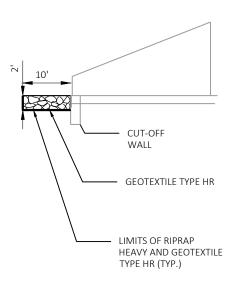


2

2

C-64-021 SCOUR REPAIR RIPRAP



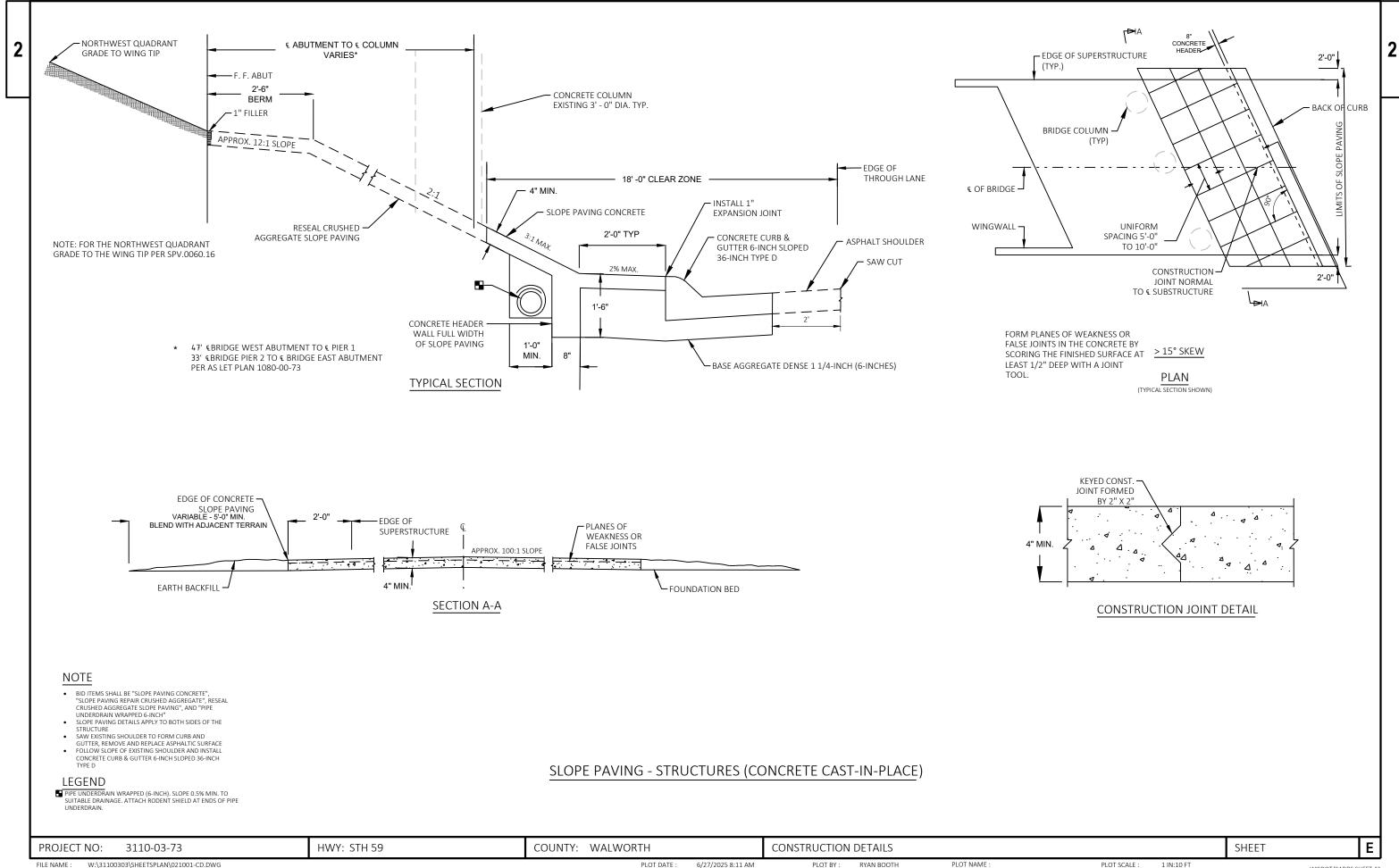


ELEVATION DETAIL

NOTES:

- NO PORTION OF ANY RIPRAP POINT SHALL BE HIGHER THAN 0.1-FOOT BELOW THE NATURAL STREAM BOTTOM
- 2. SCOUR REPAIR SHALL BE CONTAINED IN-STREAM
- 3. RESTORE DISTURBED AREAS FROM TEMPORARY ACCESS ROUTE WITH TOPSOIL (4" MIN.), TEMPORARY SEED, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, AND EROSION MAT CLASS I TYPE B
- GRUBBING SHALL BE LIMITED TO AREA REQUIRED FOR TEMPORARY ACCESS. ACCESS TO C-64-021 SHALL BE FROM THE SOUTH.
- 5. ANY EXCAVATION AND SHAPING TO COMPLETE THE PLACEMENT OF RIPRAP HEAVY, GEOTEXTILE TYPE HR, AND CLEARING THE APRON OF DEBRIS AS SHOWN, SHALL BE INCIDENTAL TO BID ITEM "RIPRAP HEAVY".

PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH CONSTRUCTION DETAILS SHEET **E**



LEGEND

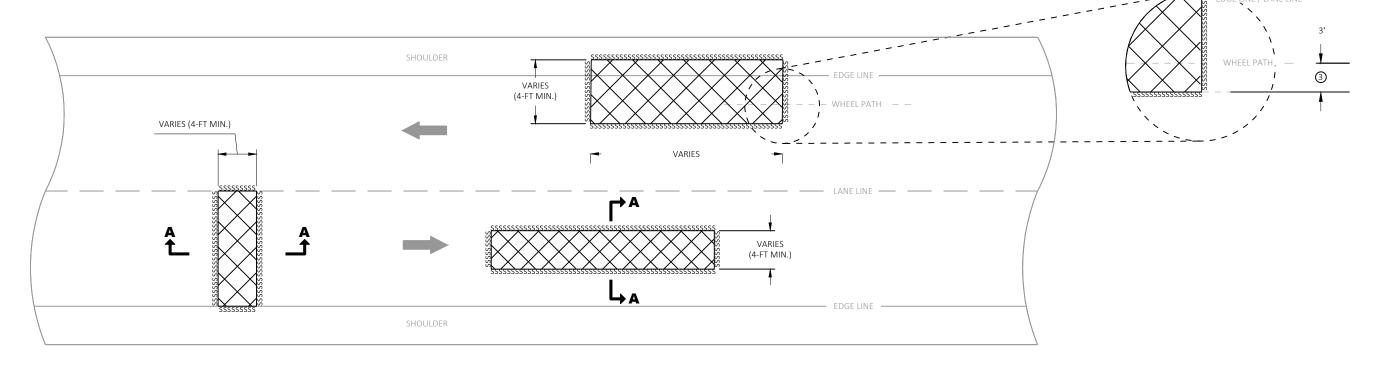
ASPHALTIC REPAIR

SSSSSS VERTICAL MILLED EDGE SAW CUTTING AT THE CONTRACTORS DISCRETION

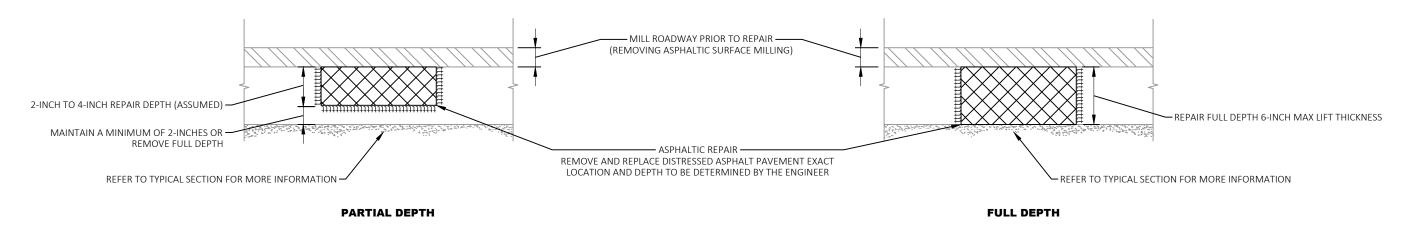
tttttt tack coat

GENERAL NOTES

- ① EXACT LOCATION, DEPTH AND SIZE OF REPAIR TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 2 MILL PAVEMENT PER PLAN PRIOR TO MAKING ASPHALTIC REPAIR.
- 3 LOCATE LONGITUDINAL REPAIR JOINTS OUTSIDE OF WHEEL PATH. 12-INCH MINIMUM (24-INCH RECOMMENDED) FROM THE CENTER OF THE WHEEL PATH.
- 4 ASPHALTIC REPAIR PAVING TO BE DONE ON THE SAME DAY AS REMOVAL.



PLAN VIEW

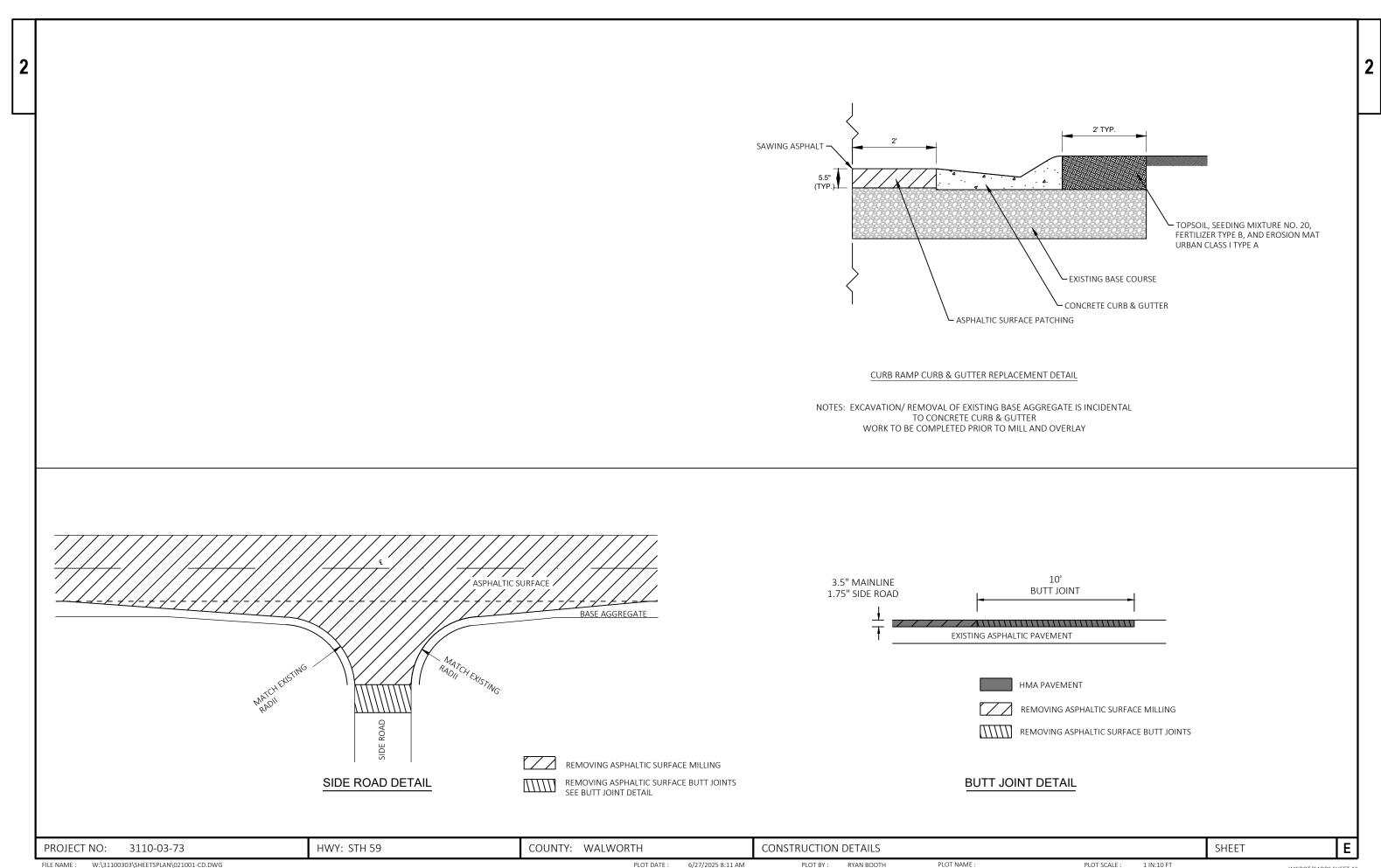


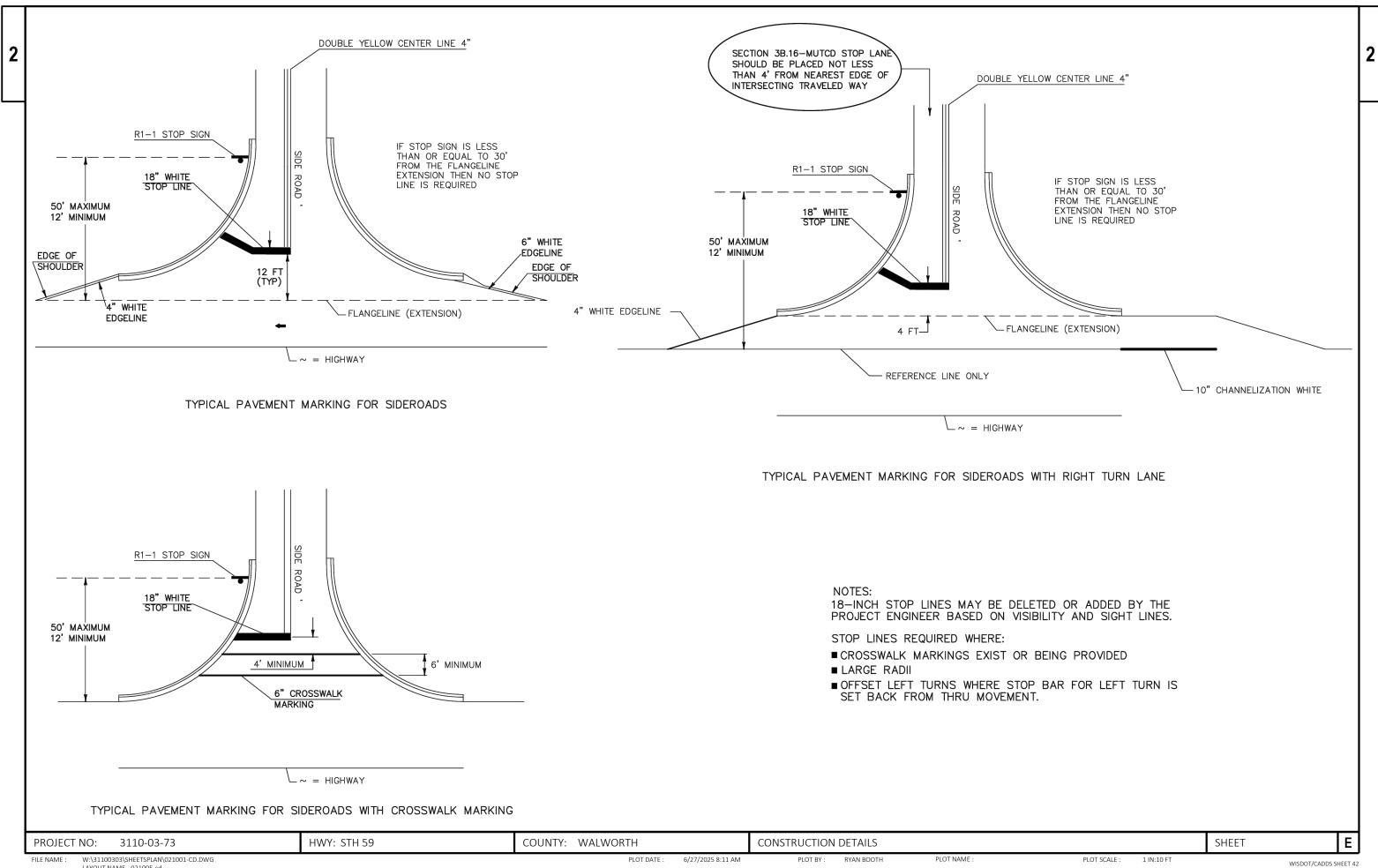
SECTION A-A

ASPHALTIC REPAIR

PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH CONSTRUCTION DETAILS SHEET PLOT NAME : 6/27/2025 8:11 AM PLOT BY: RYAN BOOTH PLOT SCALE :

1 IN:10 FT

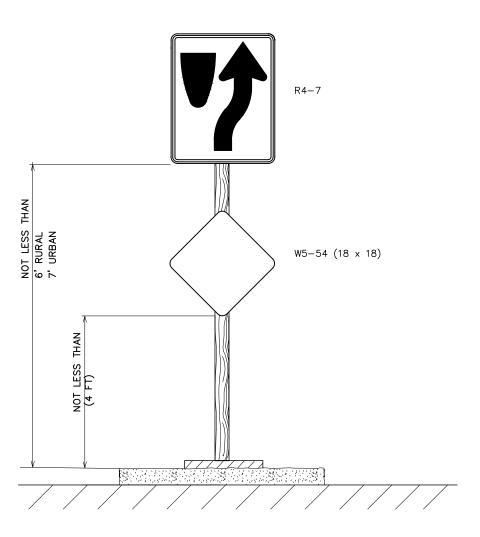




LAYOUT NAME - 021005-cd

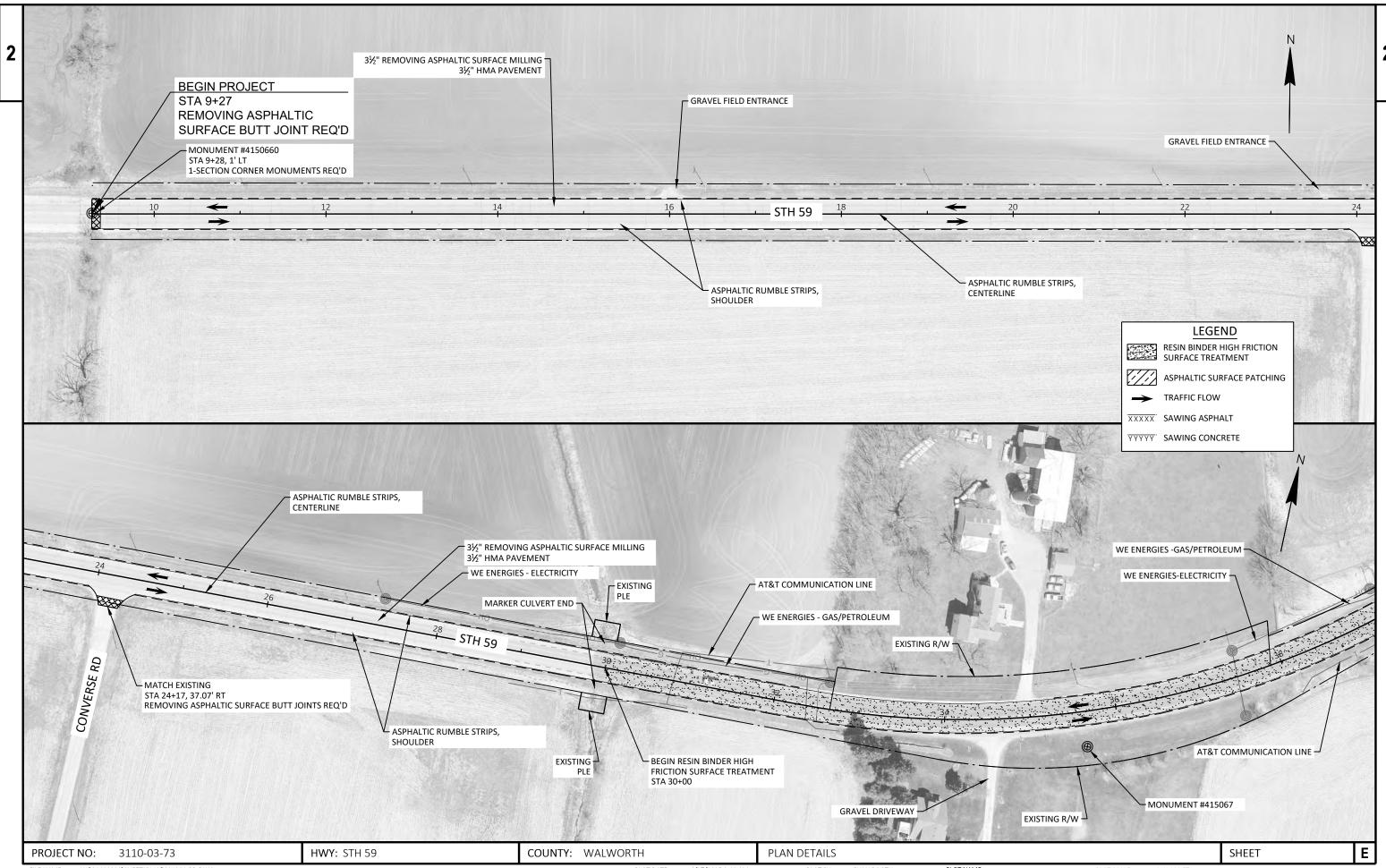
2

2

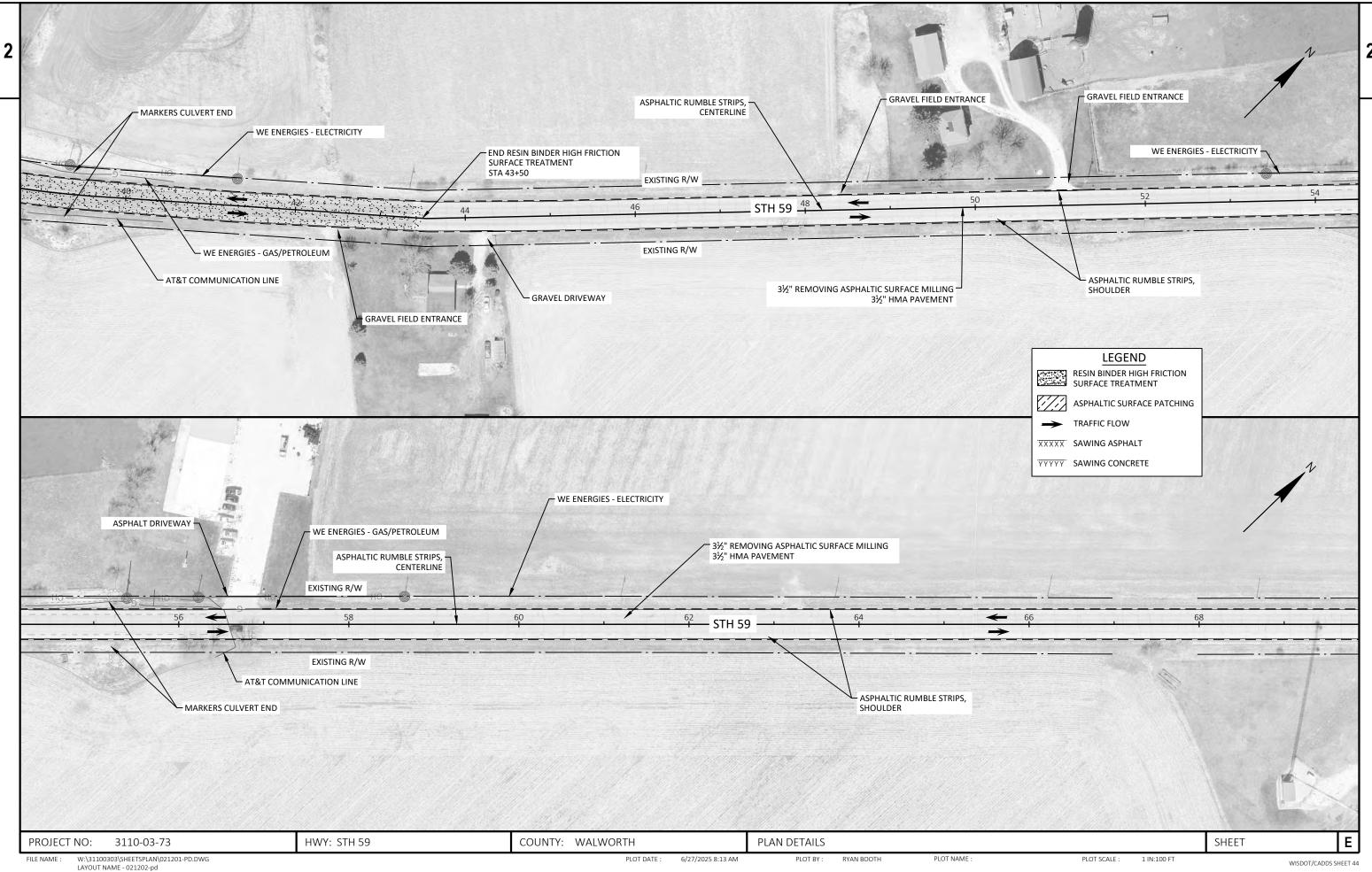


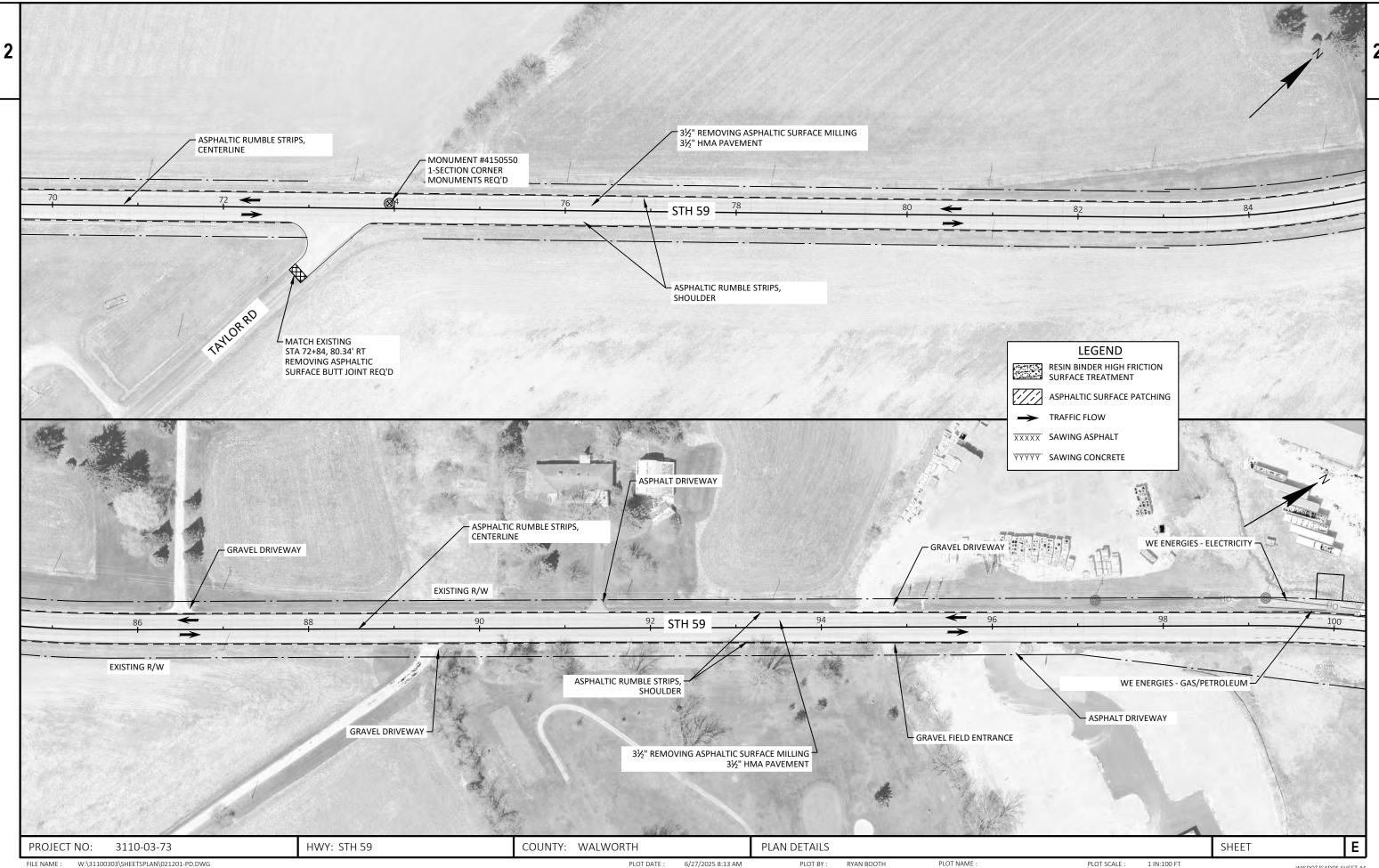
TYPICAL INSTALLATION FOR TRANSITION TO DIVIDED HIGHWAY OR OTHER SPECIAL NEEDS AREAS

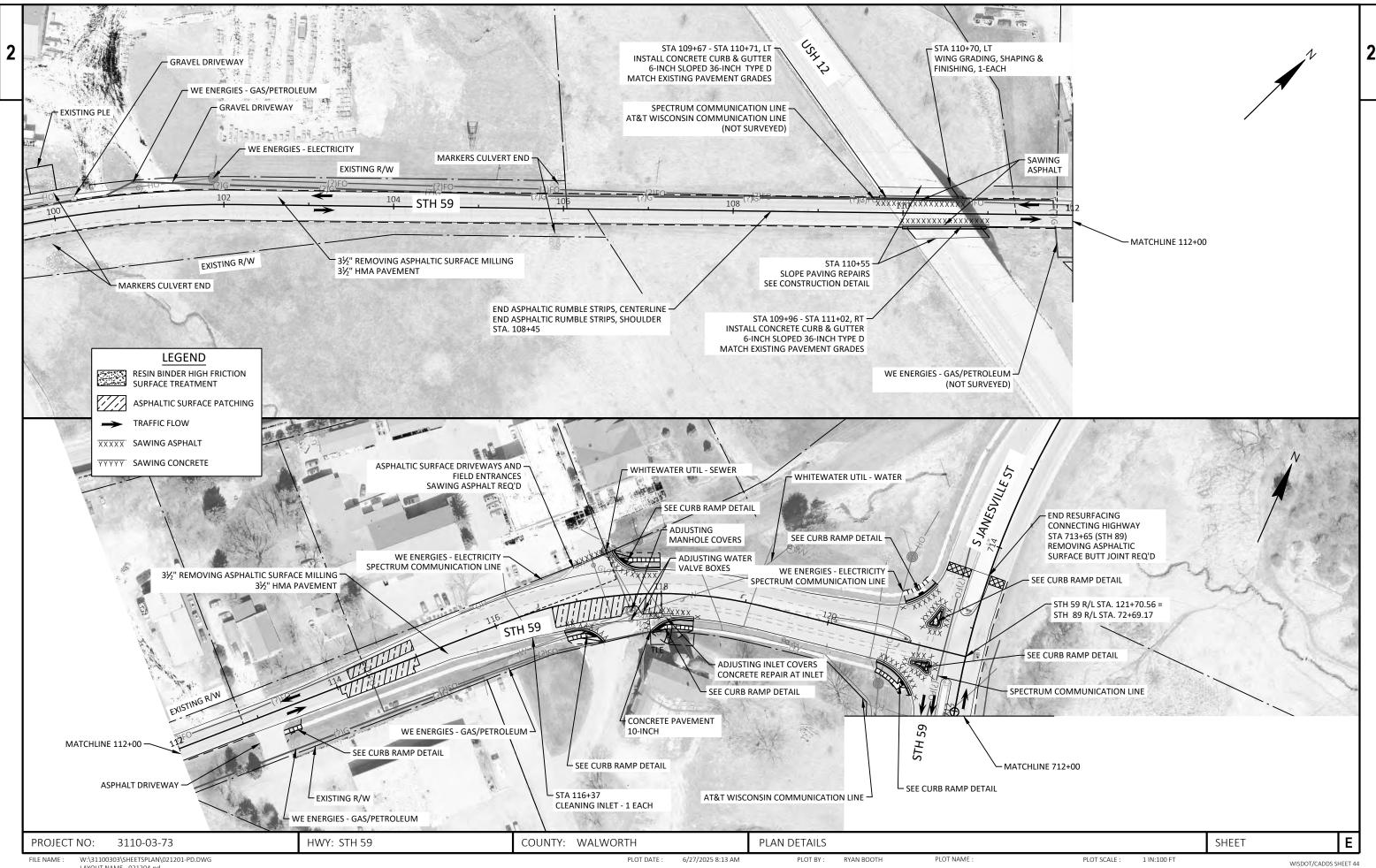
PROJECT NO:3110-03-73 HWY:STH 59 COUNTY:WALWORTH TYPICAL DETAIL - SIGN ON MEDIAN NOSE SHEET **E**



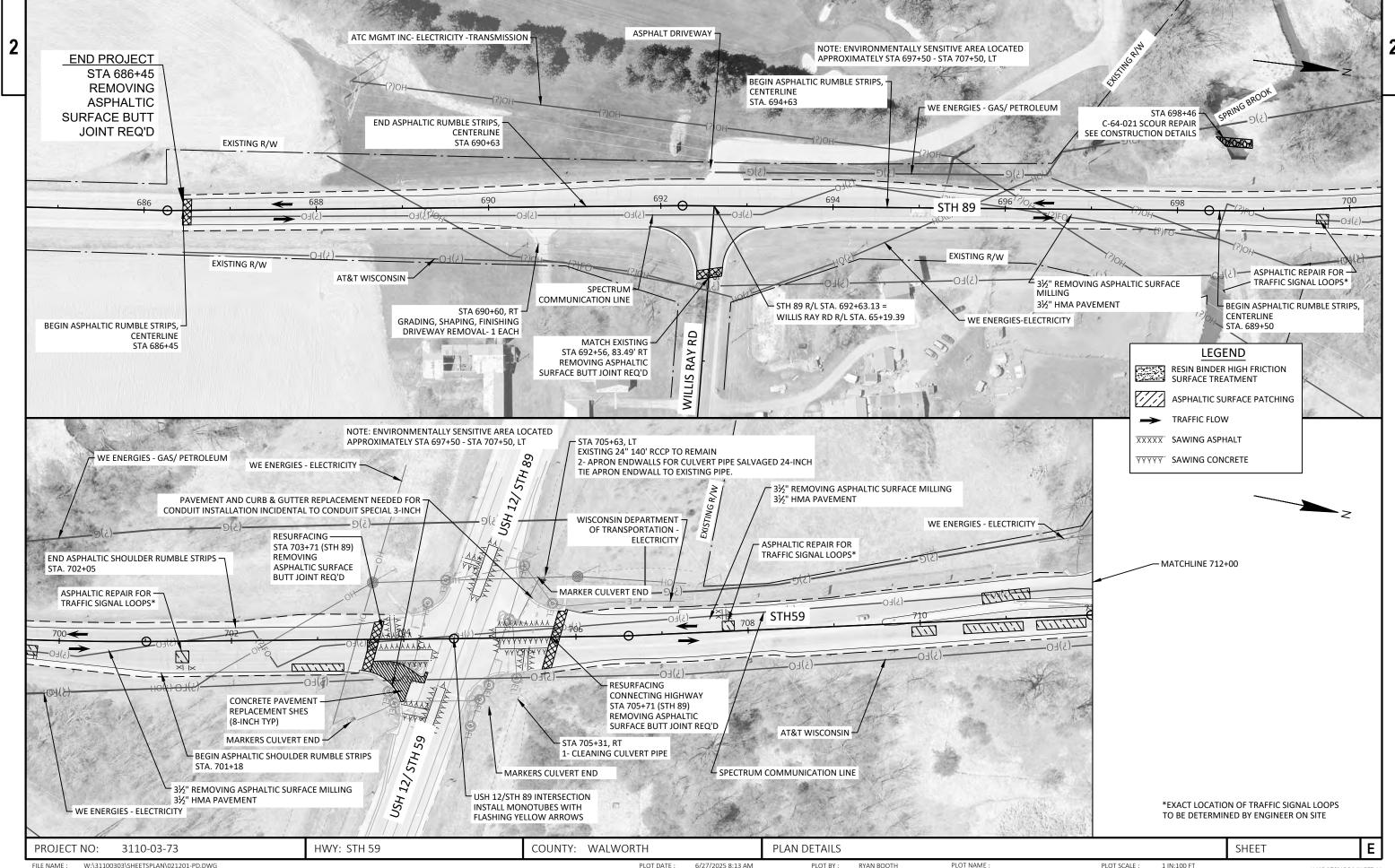
WISDOT/CADDS SHEET 44

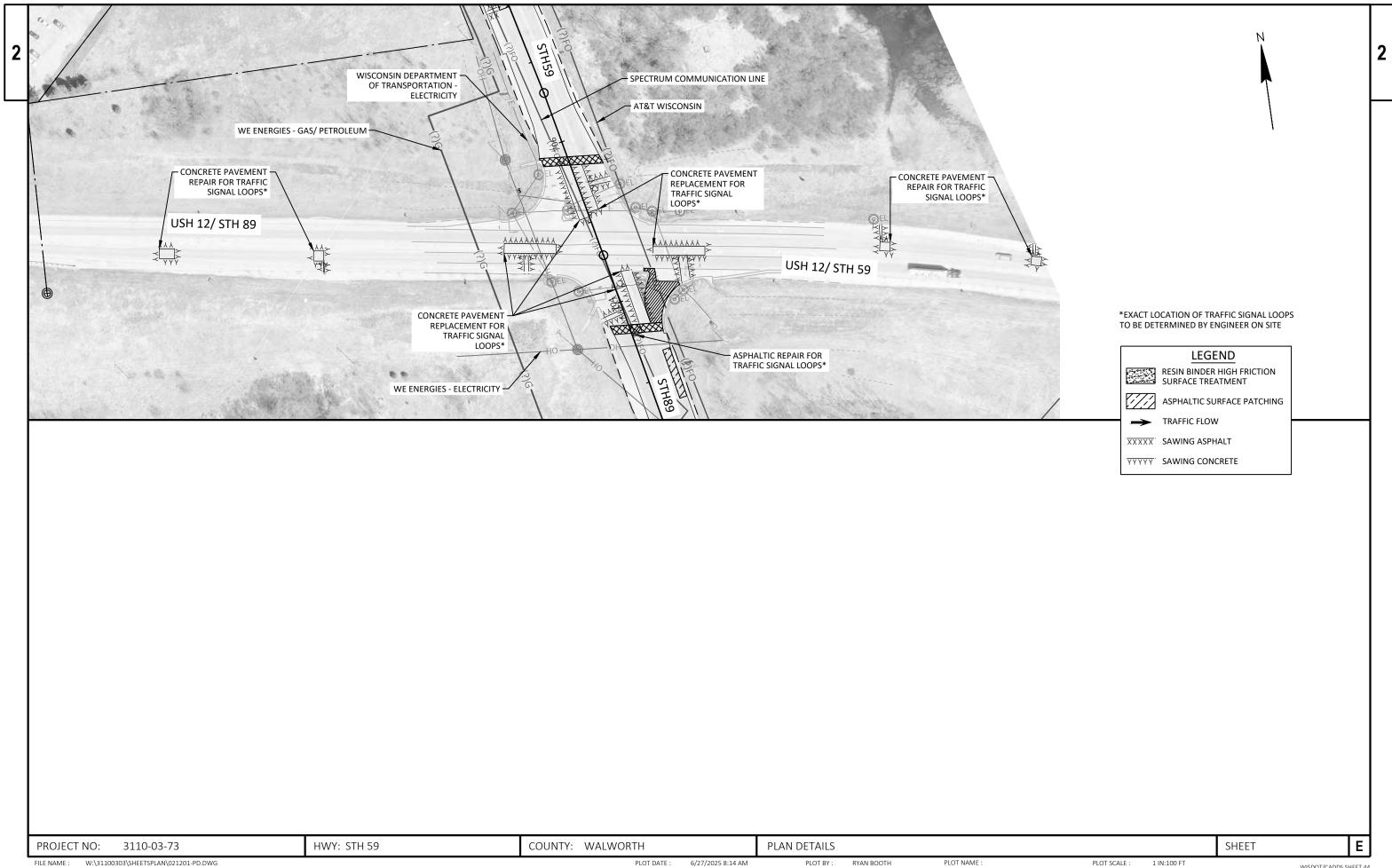




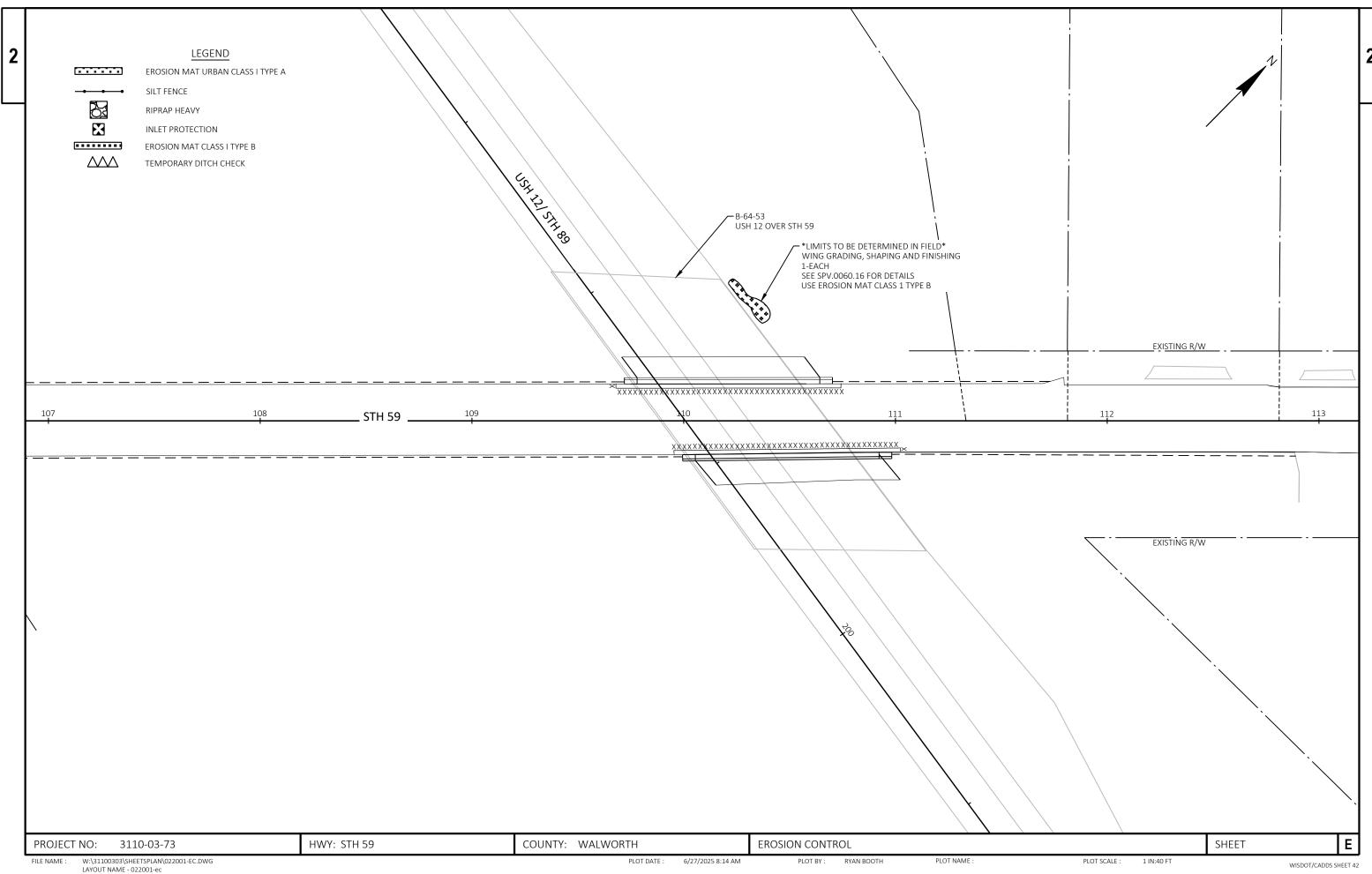


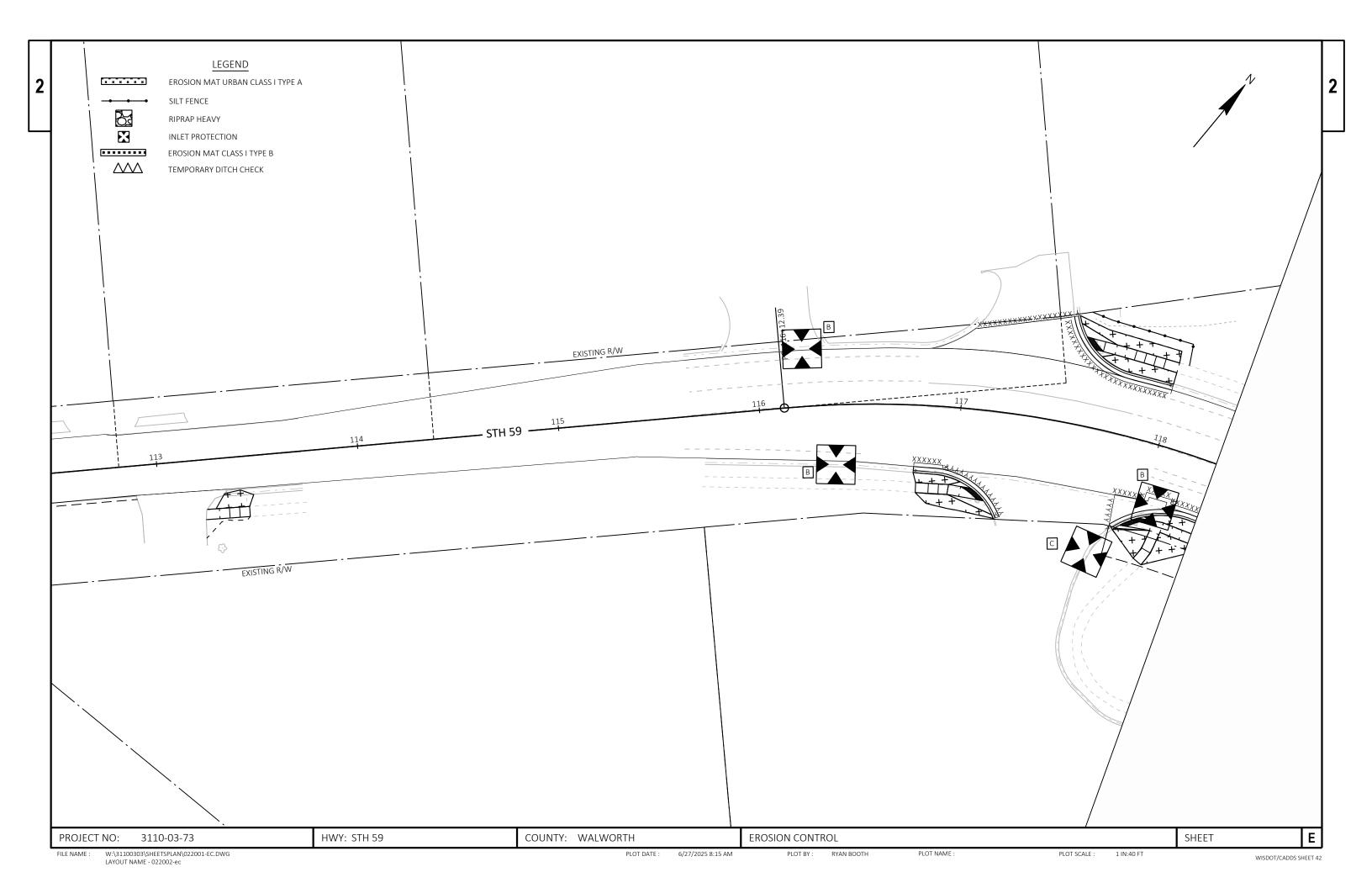
LAYOUT NAME - 021204-pd

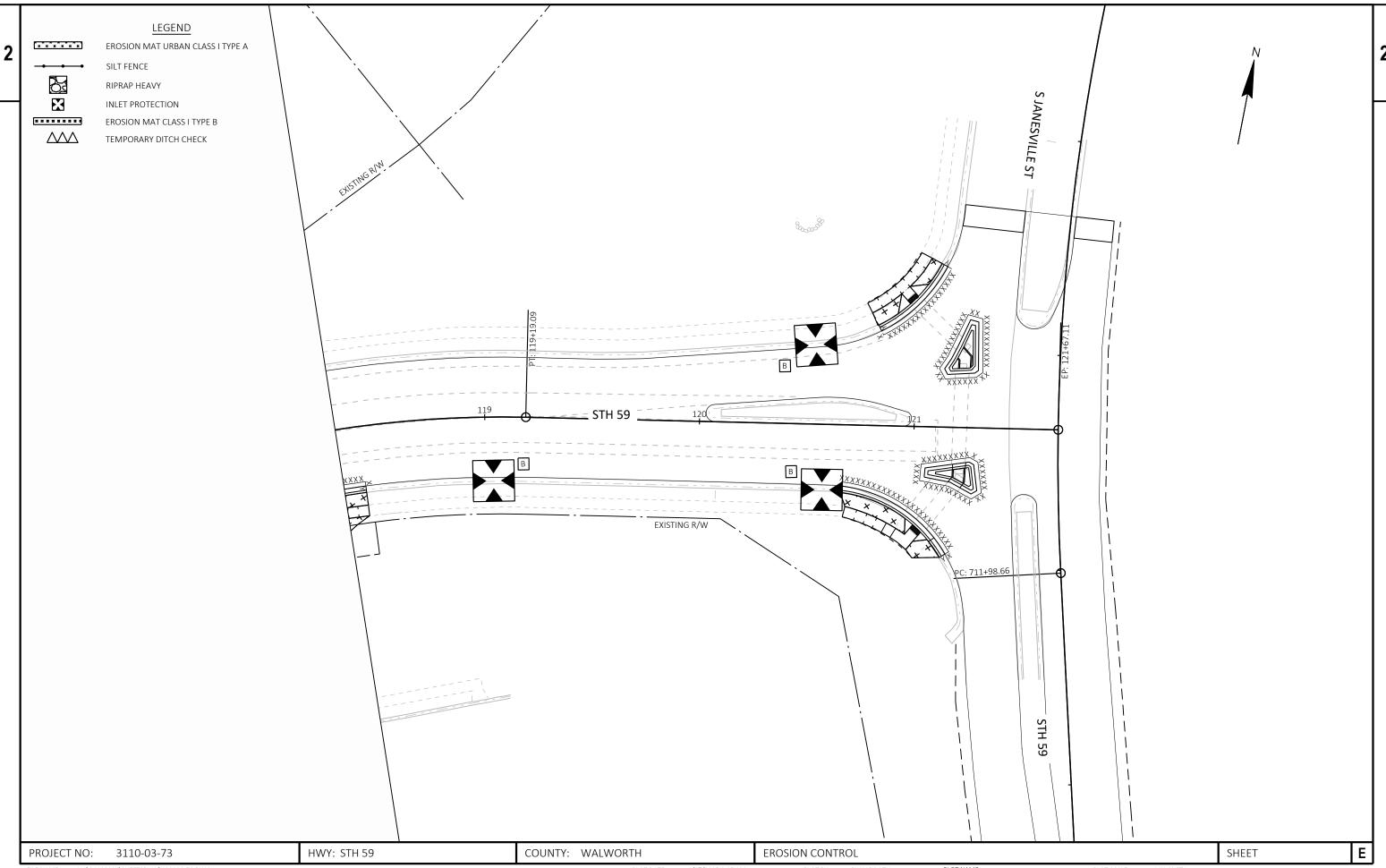


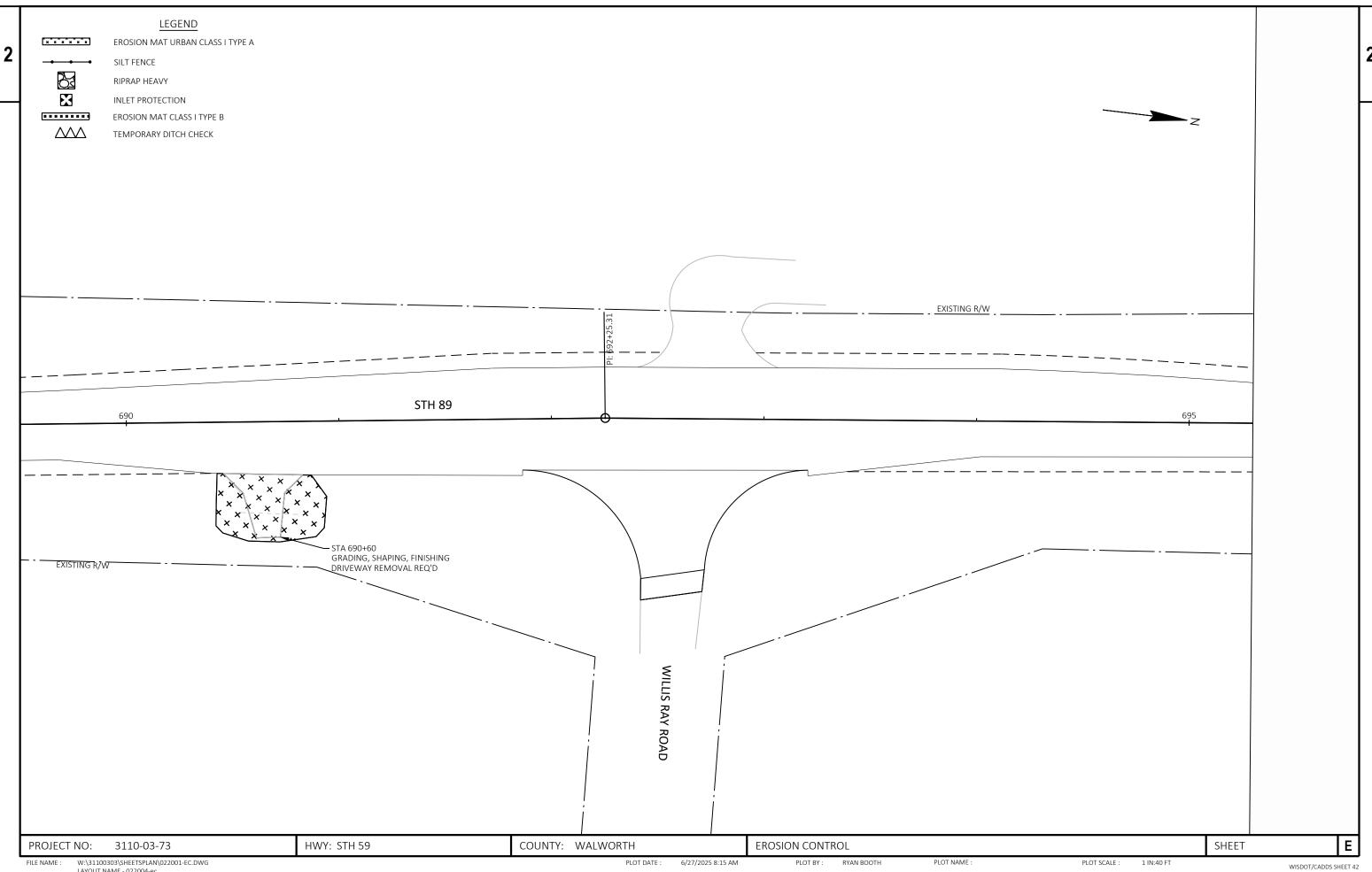


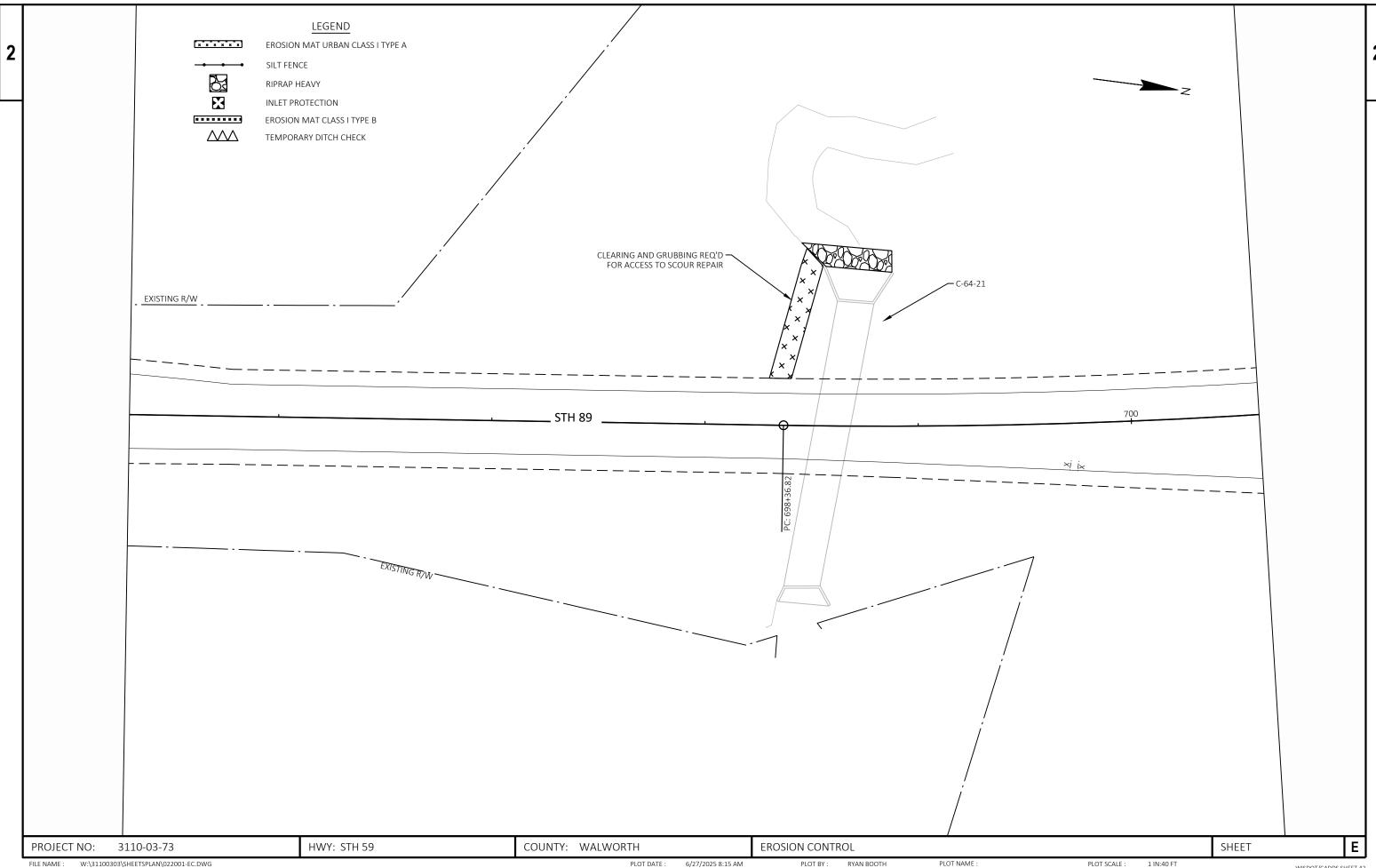
WISDOT/CADDS SHEET 44 LAYOUT NAME - 021206-pd



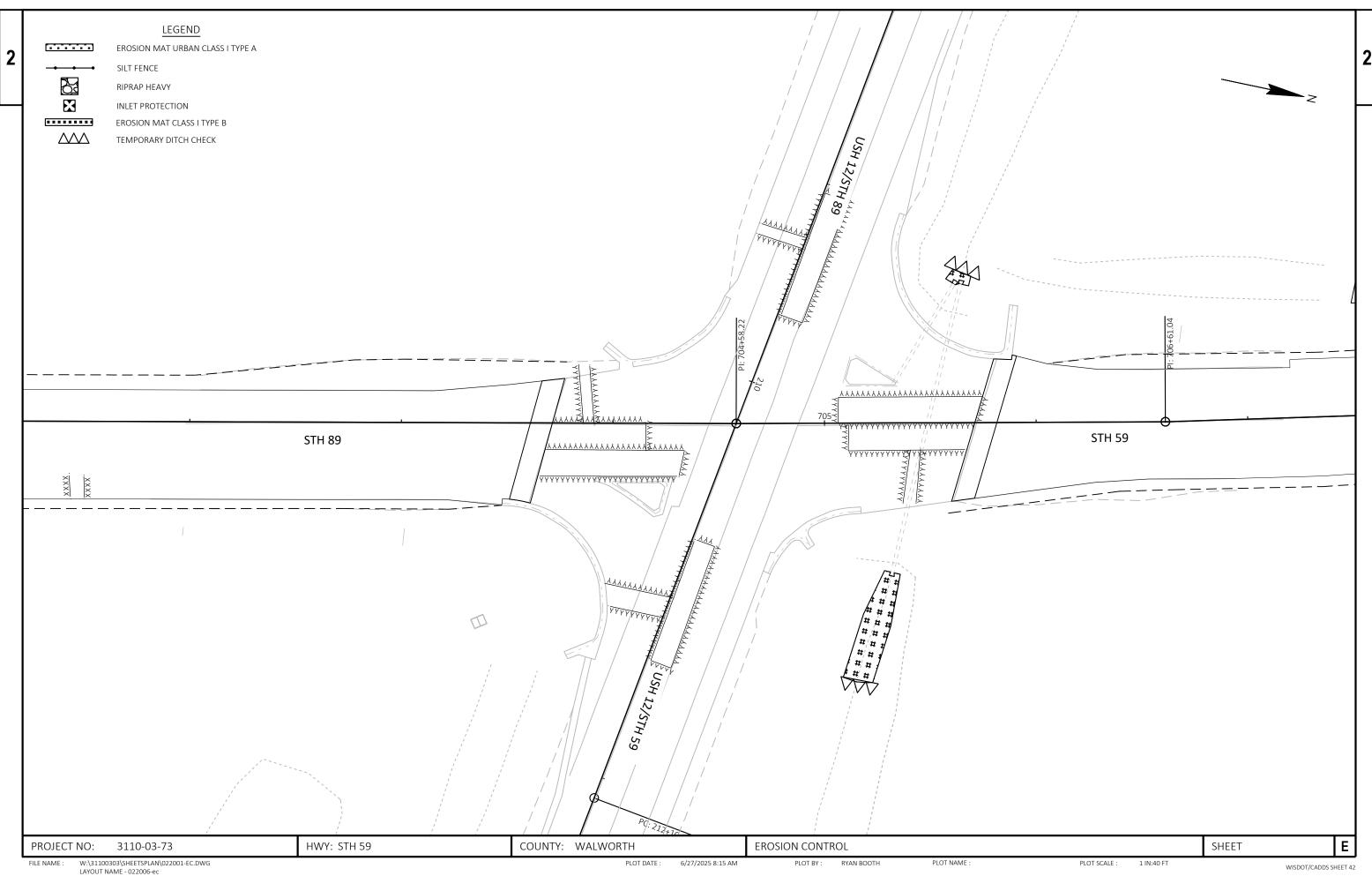


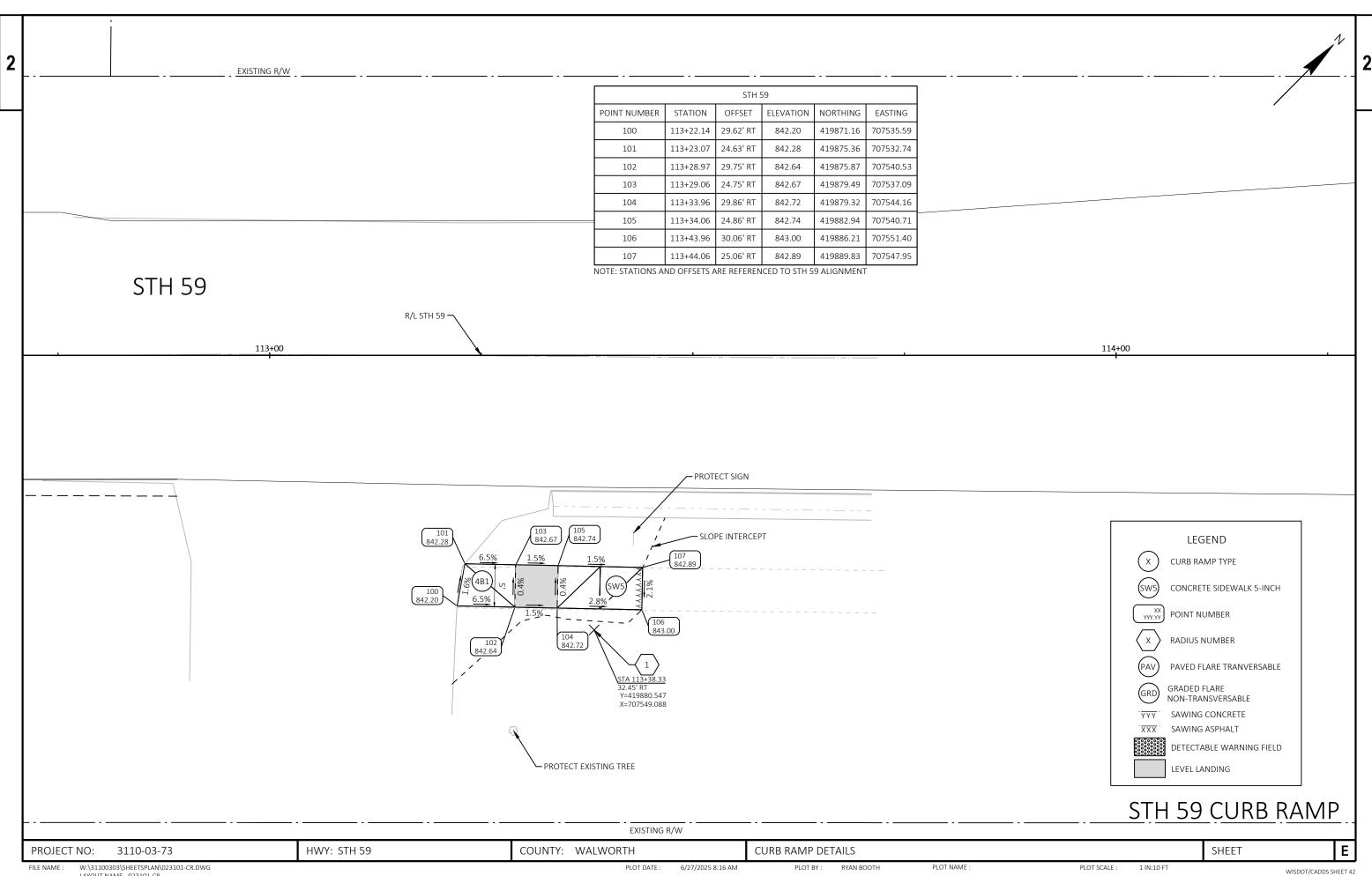




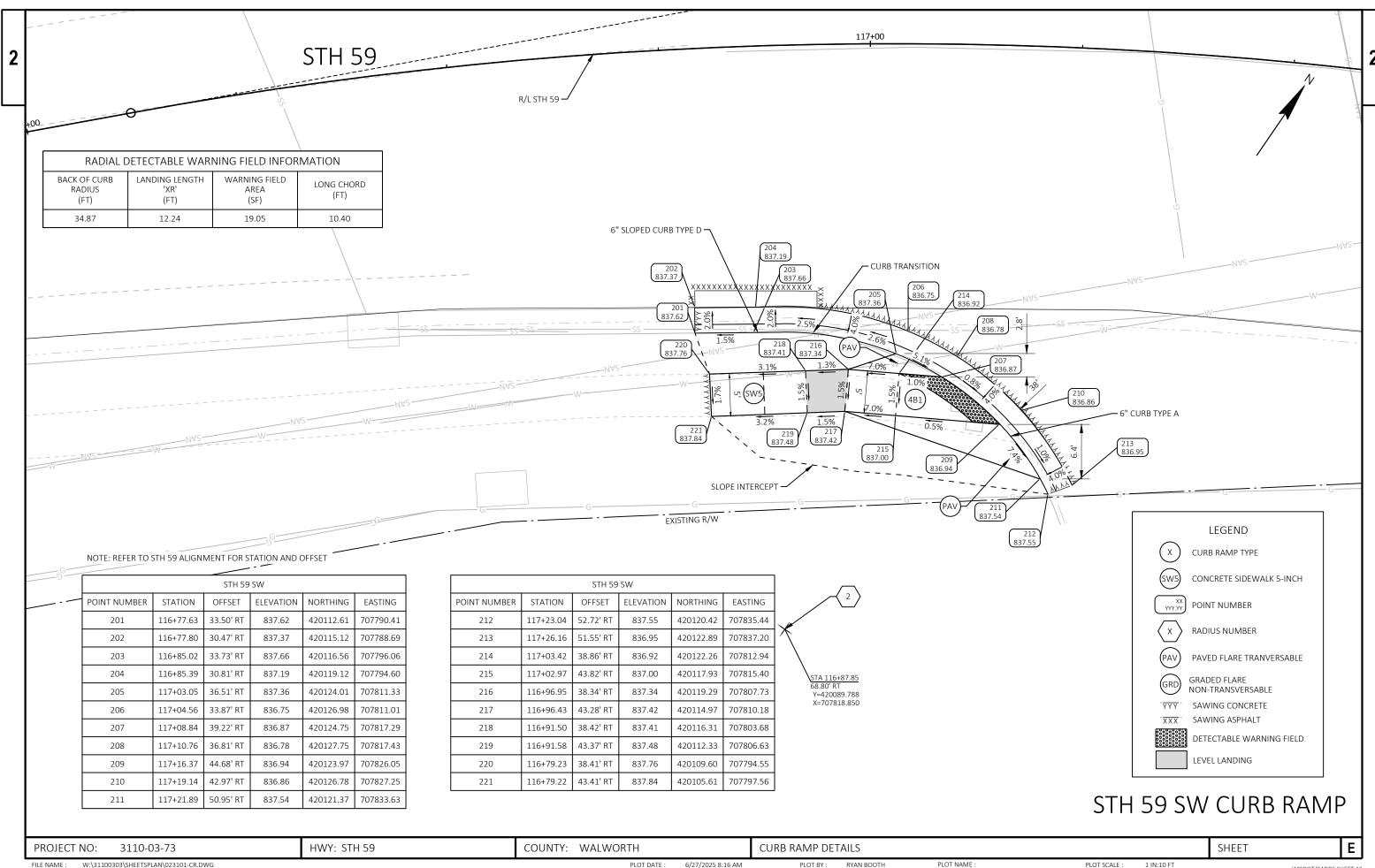


WISDOT/CADDS SHEET 42

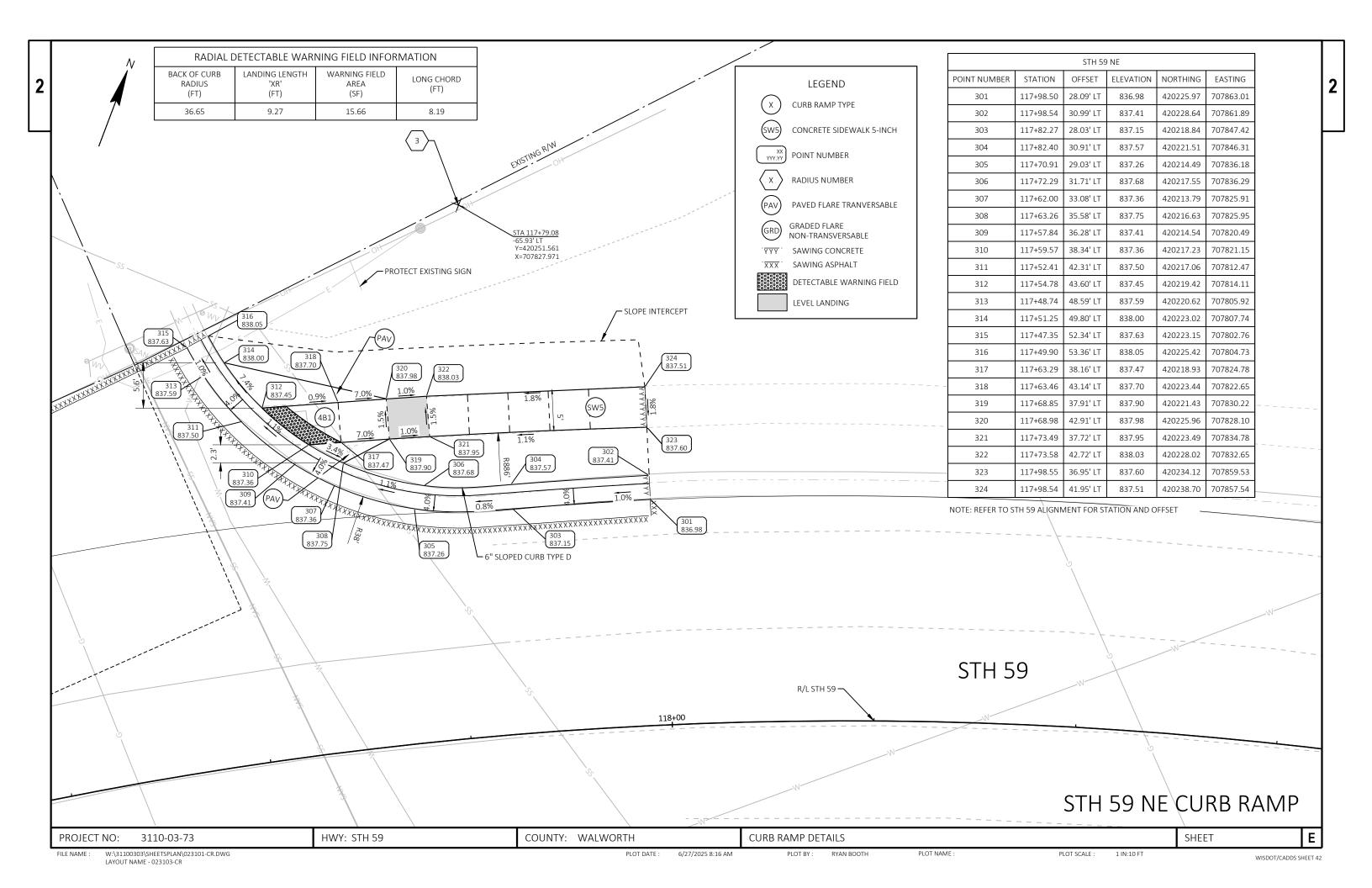


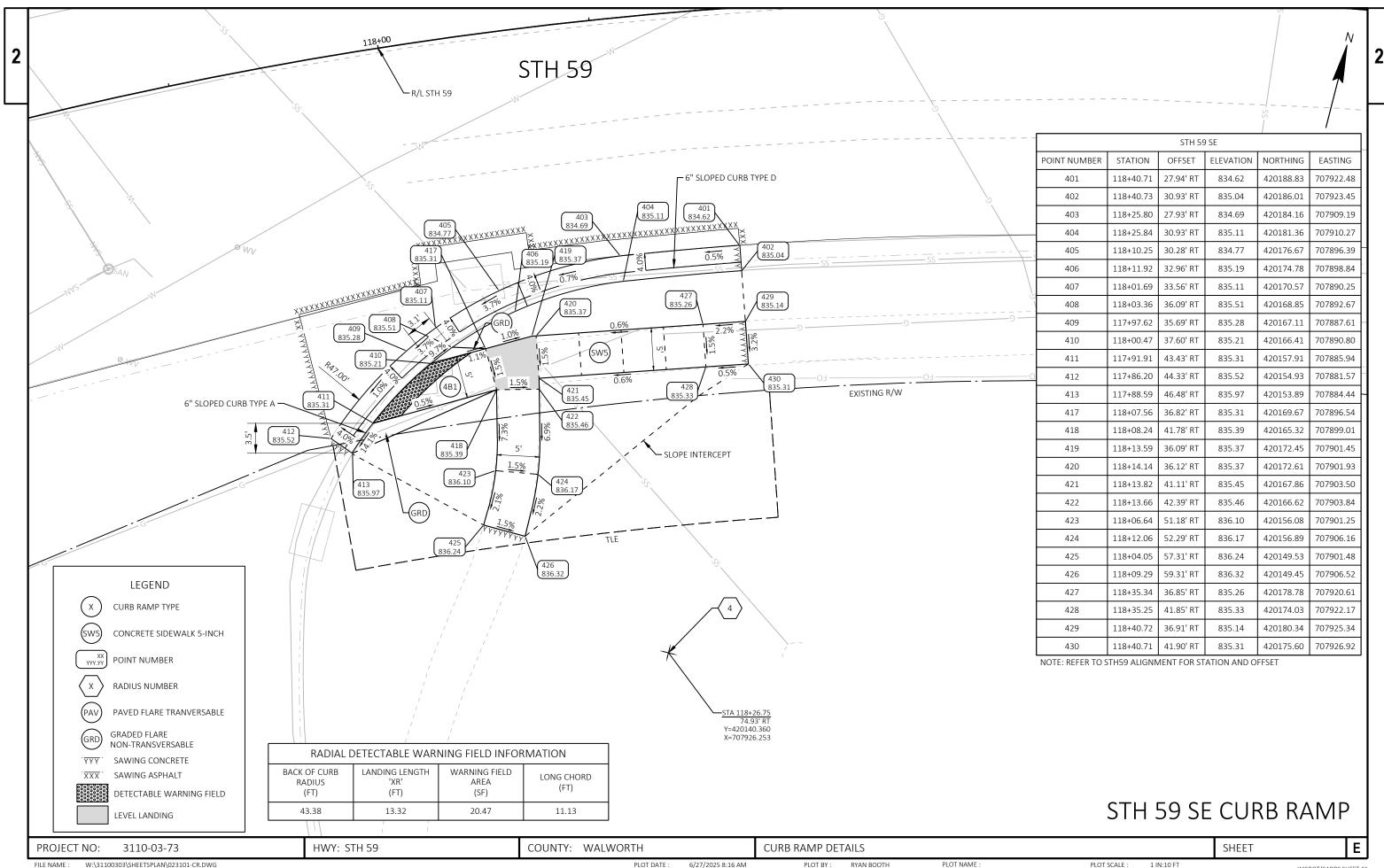


LAYOUT NAME - 023101-CR



LAYOUT NAME - 023102-CR

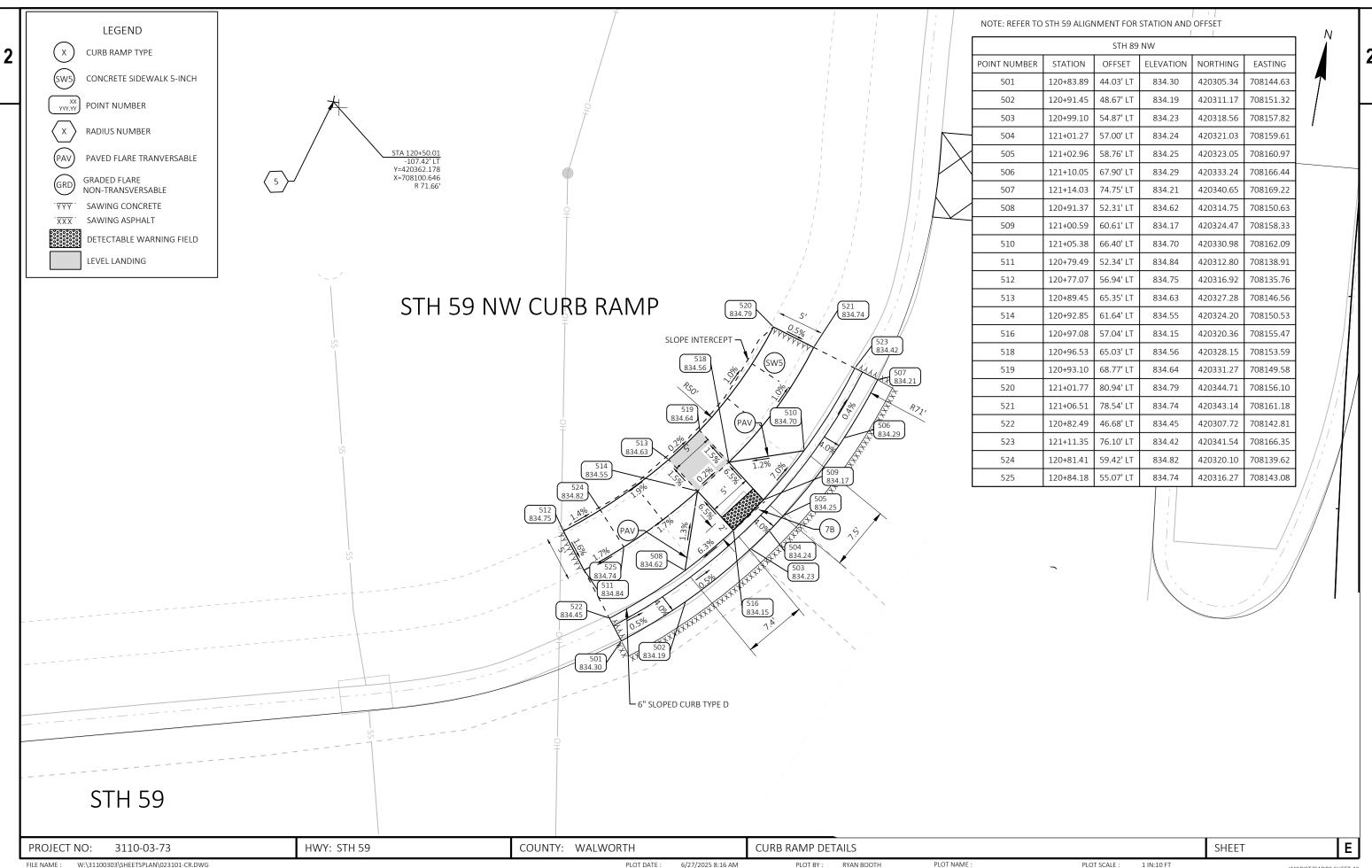


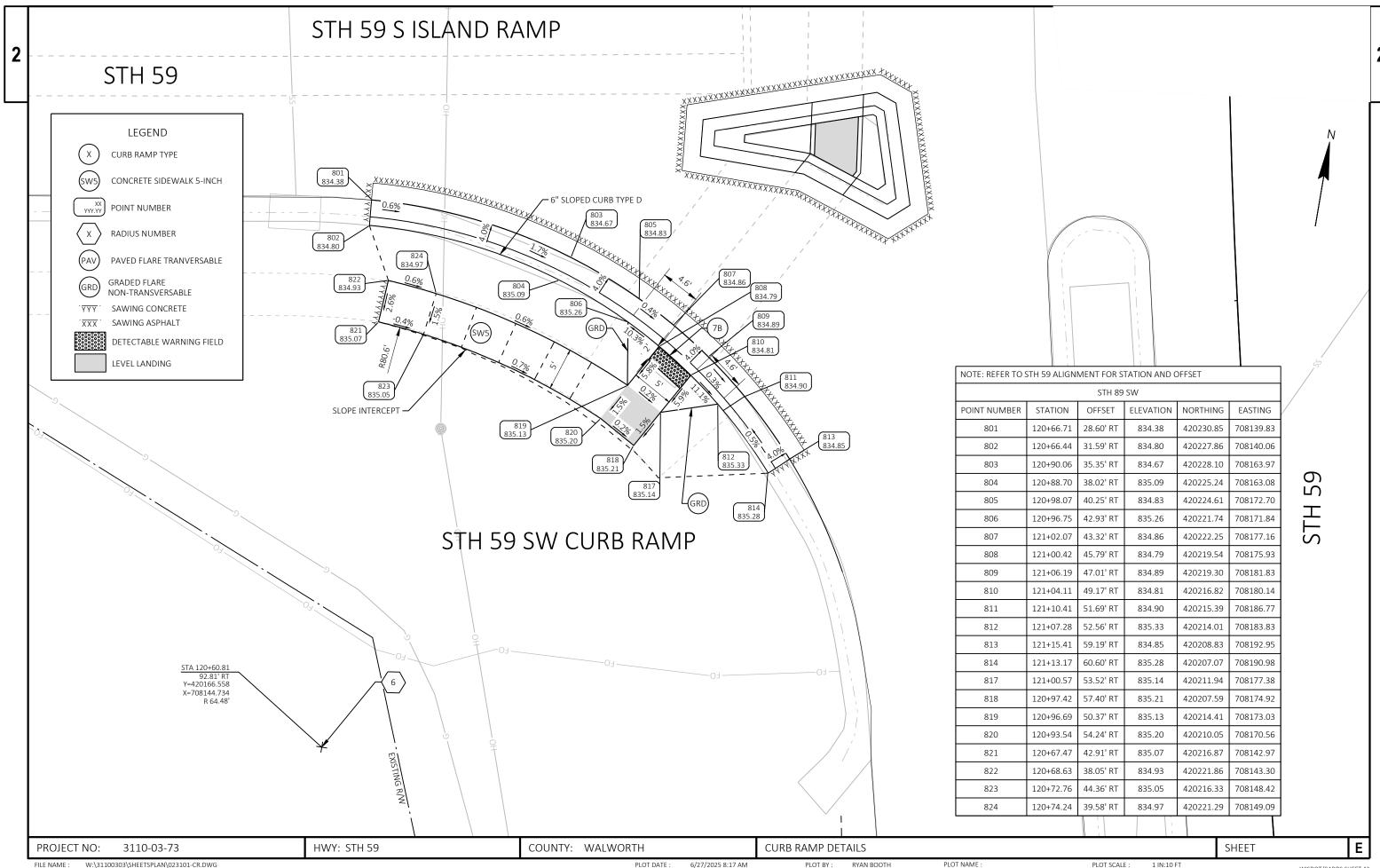


LAYOUT NAME - 023104-CR

RYAN BOOTH

1 IN:10 FT





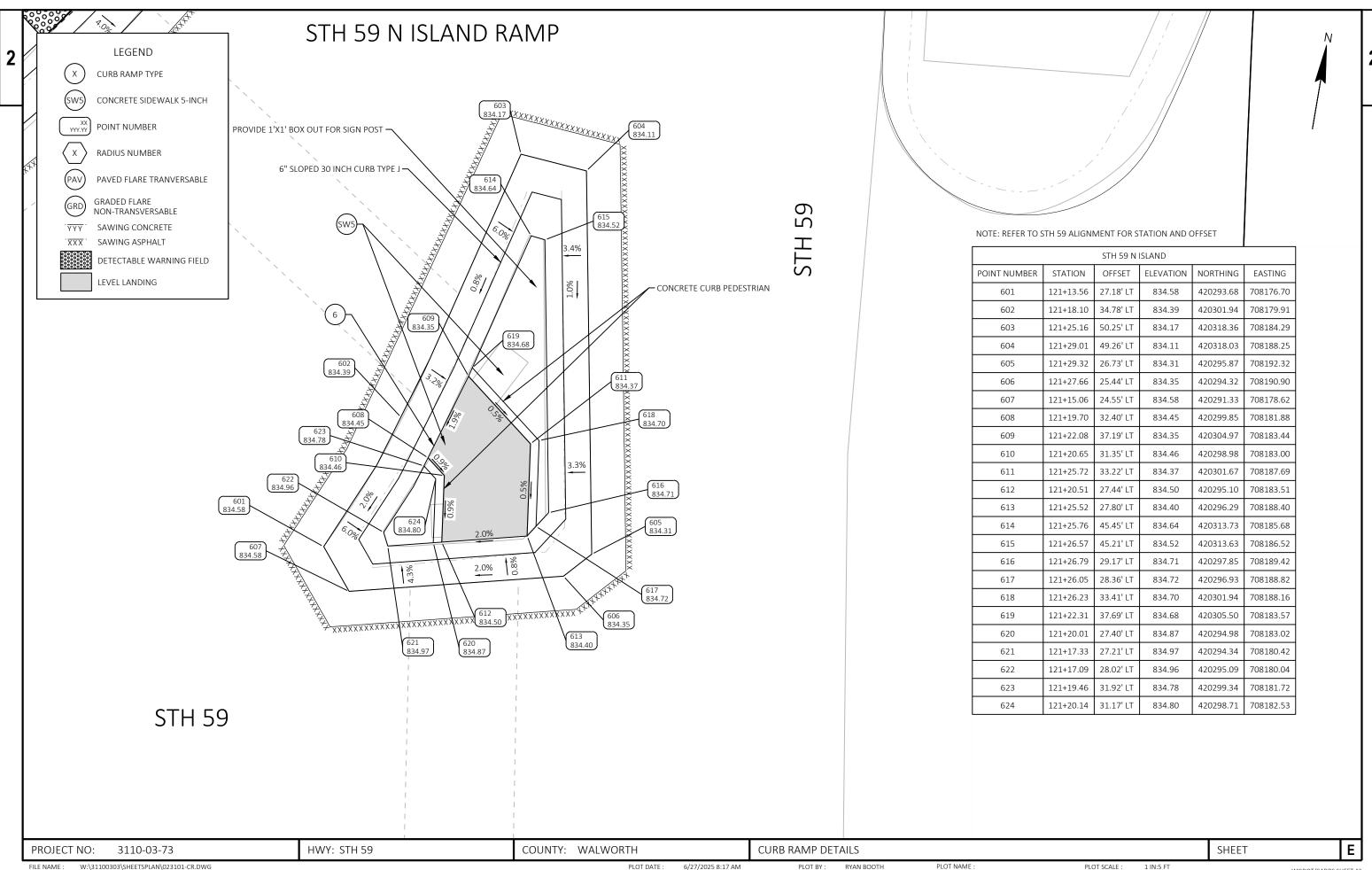
LAYOUT NAME - 023106-CR

PLOT DATE :

PLOT BY:

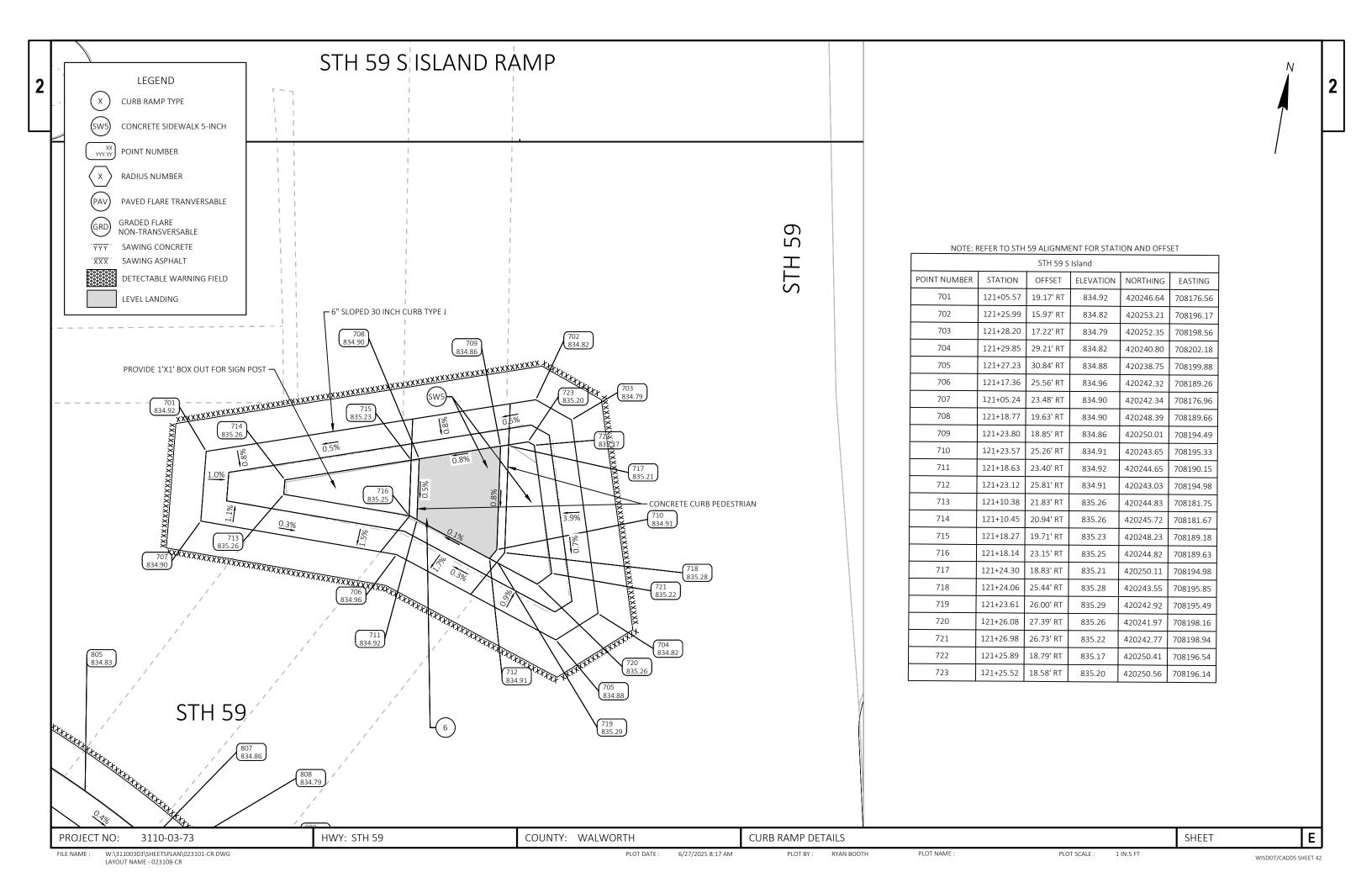
PLOT NAME

1 IN:10 FT



FILE NAME : W:\31100303\SHEETSPLAN\023101-CR.DWG PLOT DATE : 6/27/2025 8:17 AM PLOT BY :

LAYOUT NAME - 023107-CR



LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

VARIABLE MESSAGE SIGN

EXISTING LIGHT OR SIGNAL POLE

SIGN BRIDGE

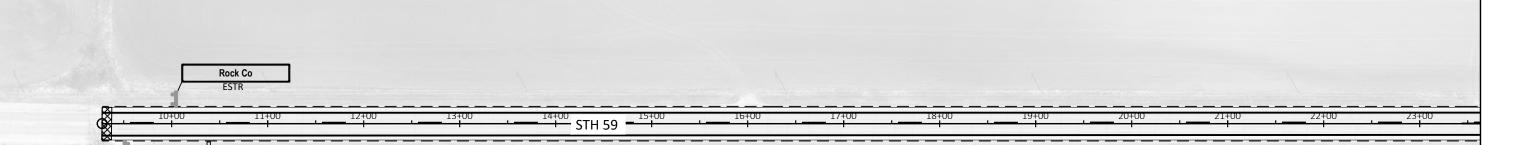
CANTILEVER SIGN BRIDGE

DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT

DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

(20XX) YEAR OF SIGN



CONSTRUCTION NOTES:

TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION. SIGNING COORDINATOR COUNTY(S) PHONE #

 BREE JOHNS-KONKEL CHUCK SALDIVAR

MILWAUKEE, RACINE, OZAUKEE, WASHINGTON KENOSHA, WALWORTH, WAUKESHA

Walworth Co

414-750-2814 414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (GENERAL PHONE # 414-266-1164) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LOCATE NO PASSING PENNANTS BASED ON EXISTING NO PASSING ZONES. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN.

BOX OUT OR CORING OF CONCRETE FOR SIGN POSTS IS INCIDENTAL TO THE POST.

SHEET 1 OF 15

COUNTY: WALWORTH PROJECT NO: 3110-03-73 HWY: STH 59 PERMANENT SIGNING **SHEET** X:\ML\2024\20240186-03\DESIGN\TRANSPORTATION\SHEETSPLAN\023201-PS.DWG PLOT BY: FILE NAME : 1 IN:100 FT





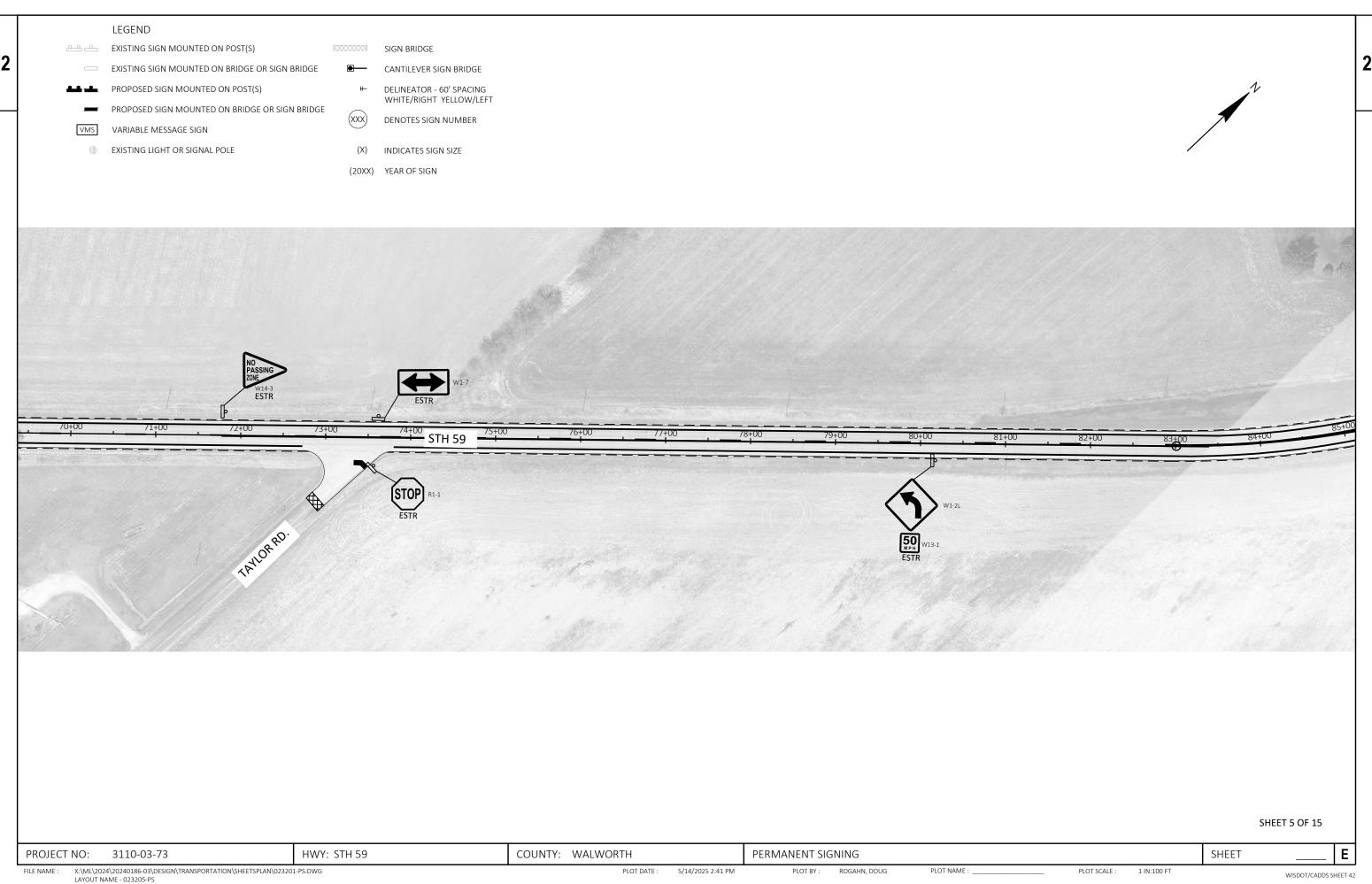
NOTE: MOVE W14-3 NO PASSING PENNANTS AS NECESSARY. SEE UNDISTRUBUTED QUANTITIES

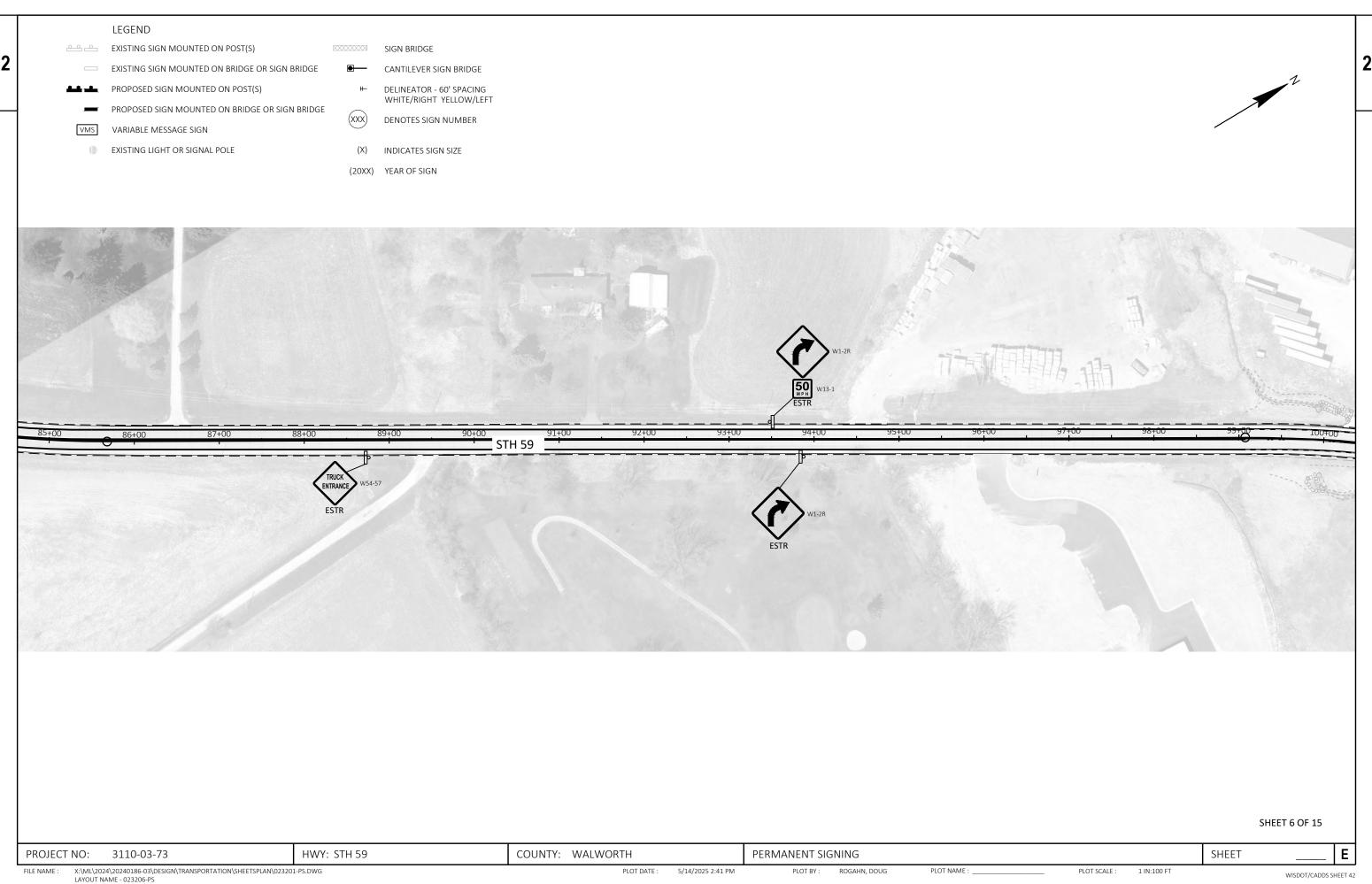
SHEET 2 OF 15

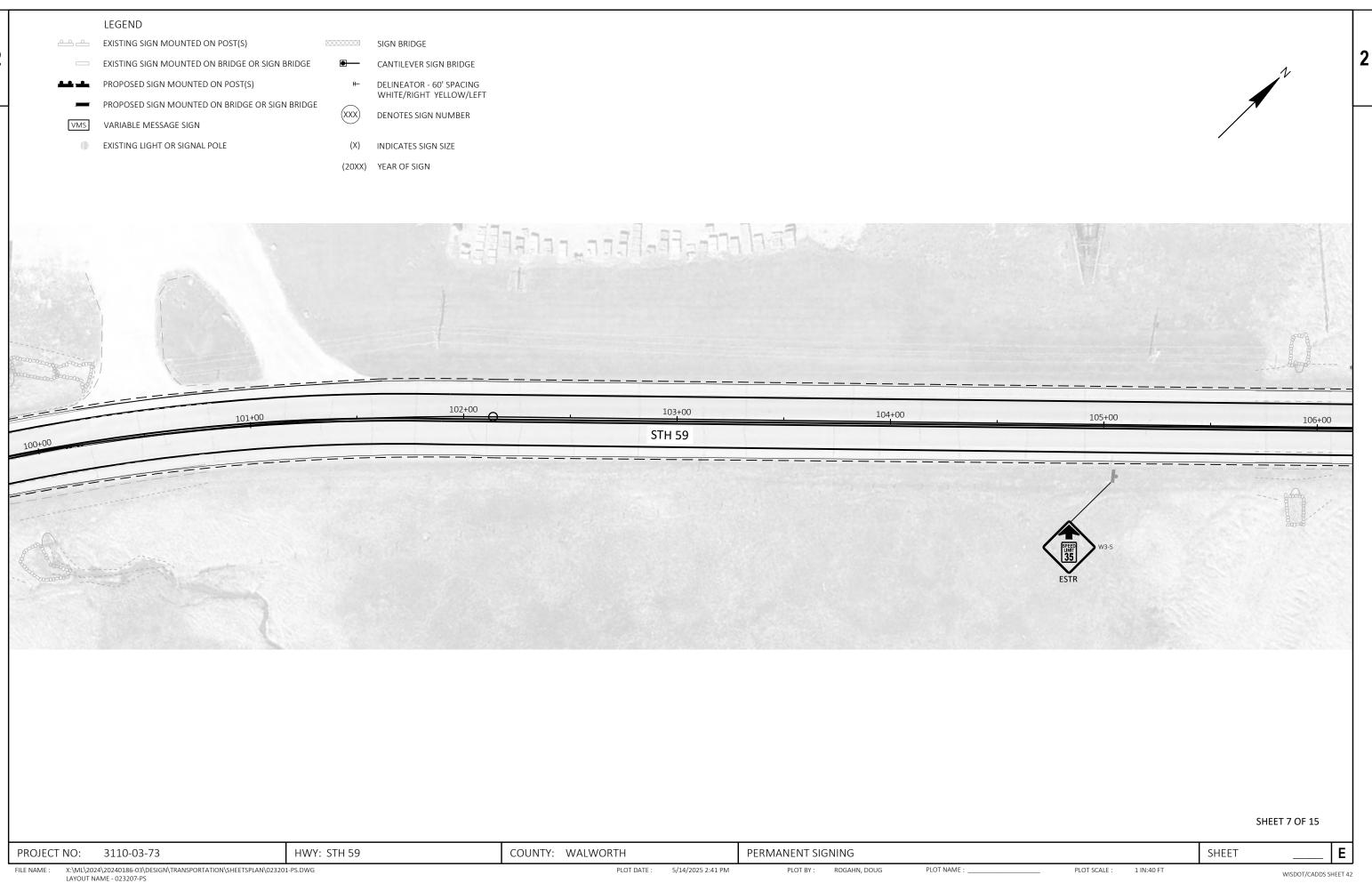
PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH PERMANENT SIGNING SHEET X:\ML\2024\20240186-03\DESIGN\TRANSPORTATION\SHEETSPLAN\023201-PS.DWG LAYOUT NAME - 023202-PS PLOT DATE : 5/14/2025 2:39 PM PLOT BY: ROGAHN, DOUG FILE NAME : PLOT NAME : PLOT SCALE: 1 IN:100 FT



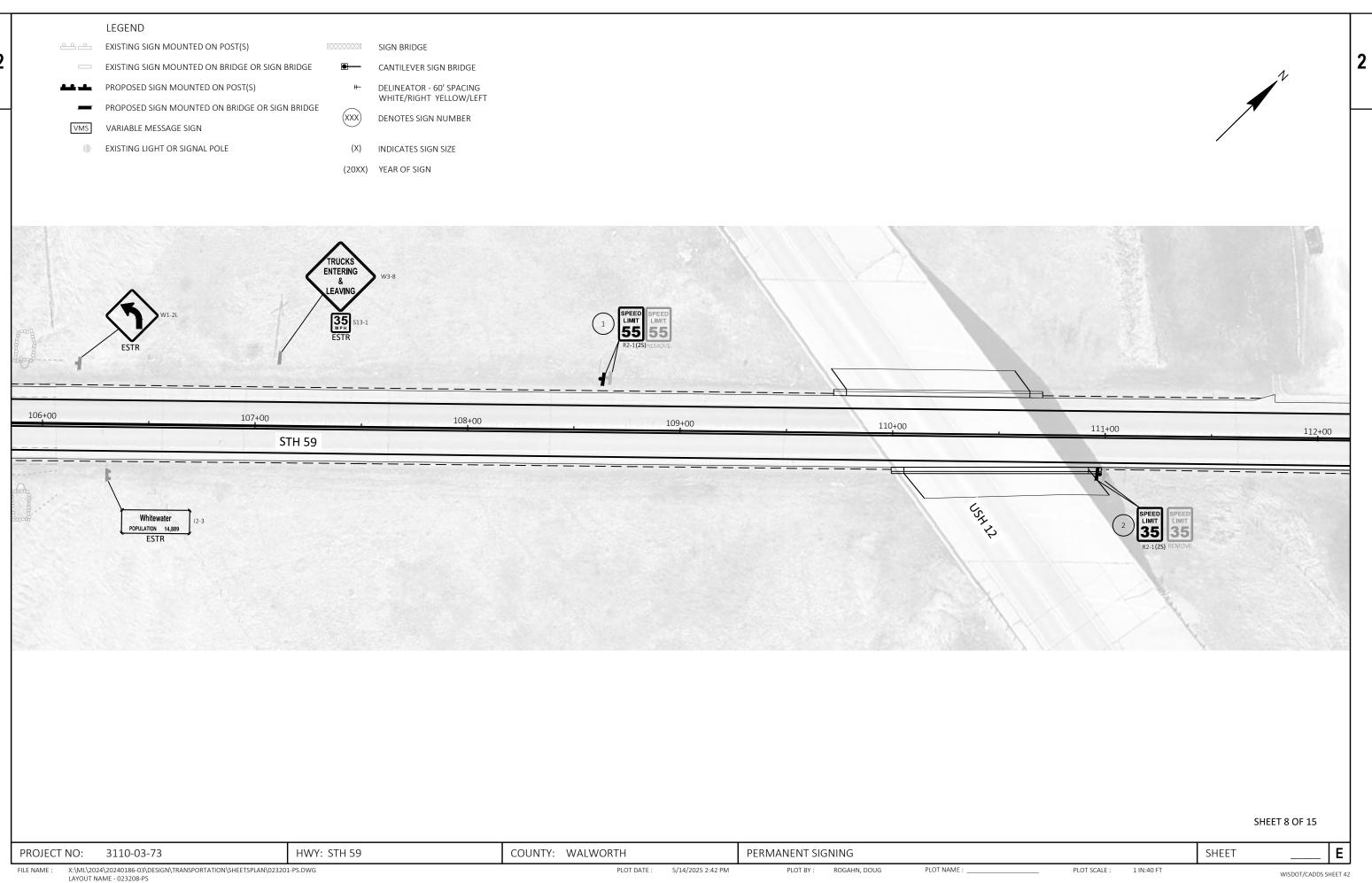


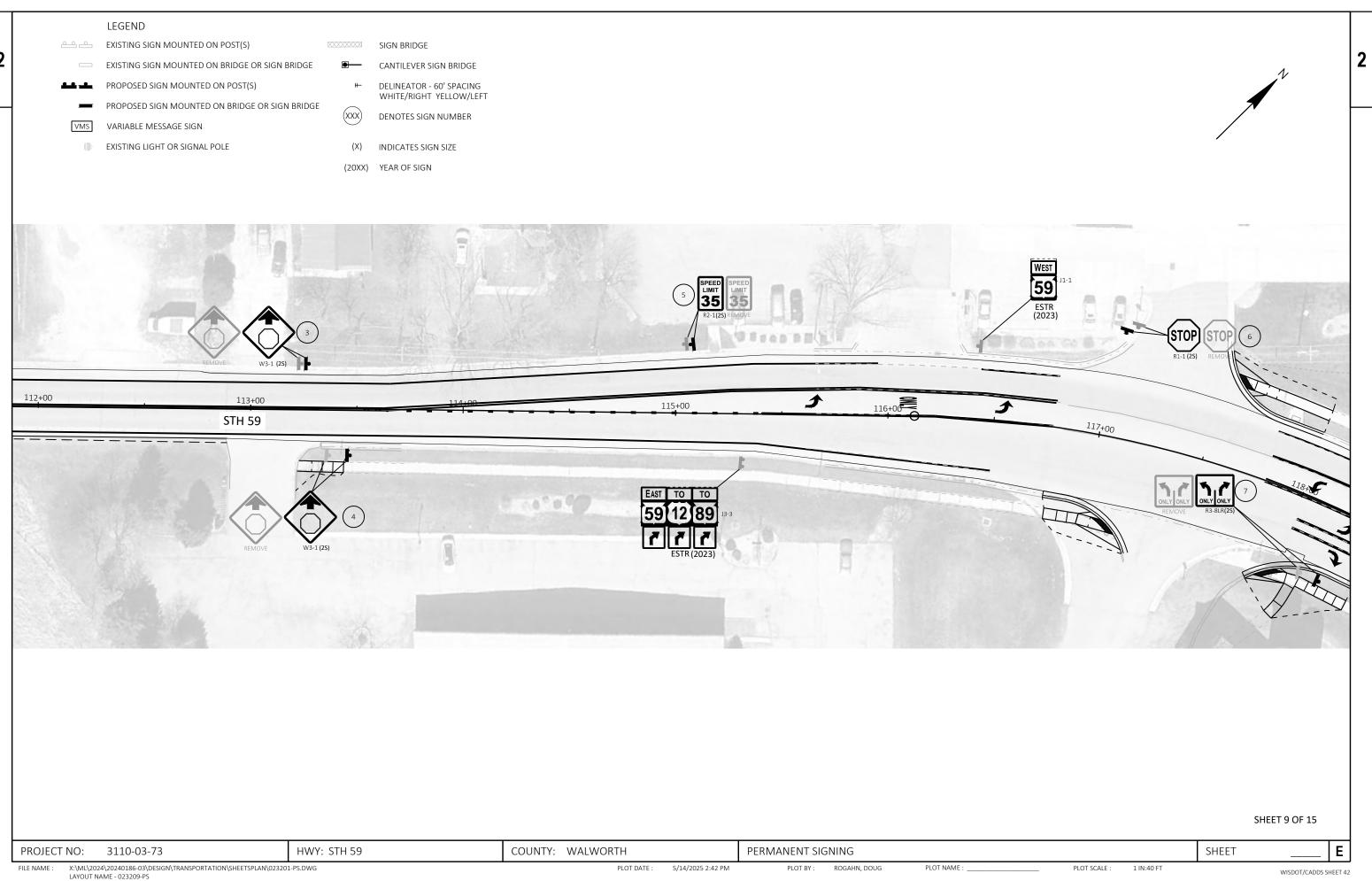






PLOT NAME :







VMS VARIABLE MESSAGE SIGN

EXISTING LIGHT OR SIGNAL POLE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

(20XX) YEAR OF SIGN

SEE SHEET IS OF IS

Whitework

Whitework

Transport

Tr

SHEET 10 OF 15

WISDOT/CADDS SHEET 42

SEE SHEET 15 OF 15

PLOT SCALE :

1 IN:40 FT

PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH PERMANENT SIGNING SHEET ___ **E**

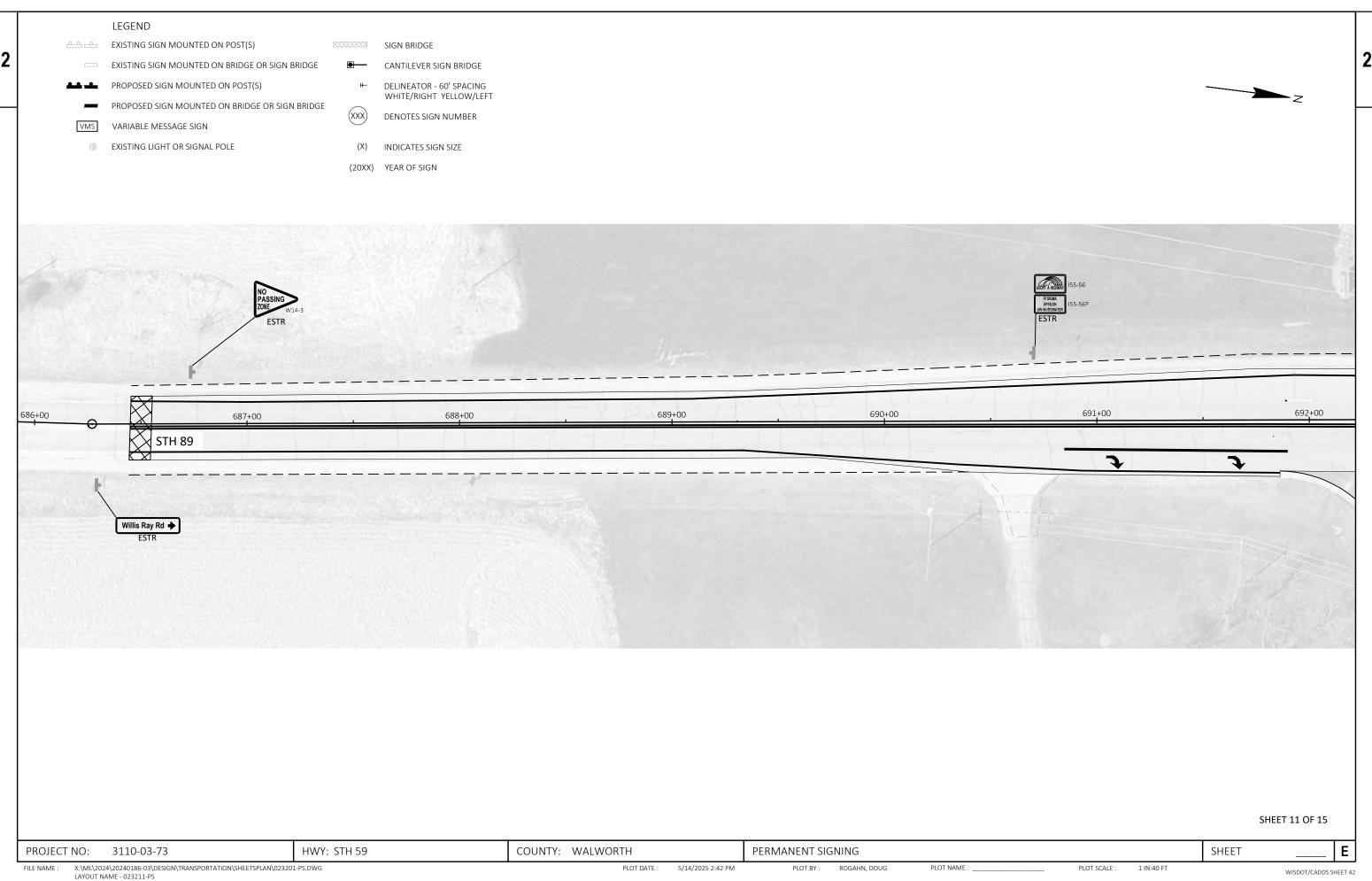
5/14/2025 2:42 PM

PLOT BY: ROGAHN, DOUG

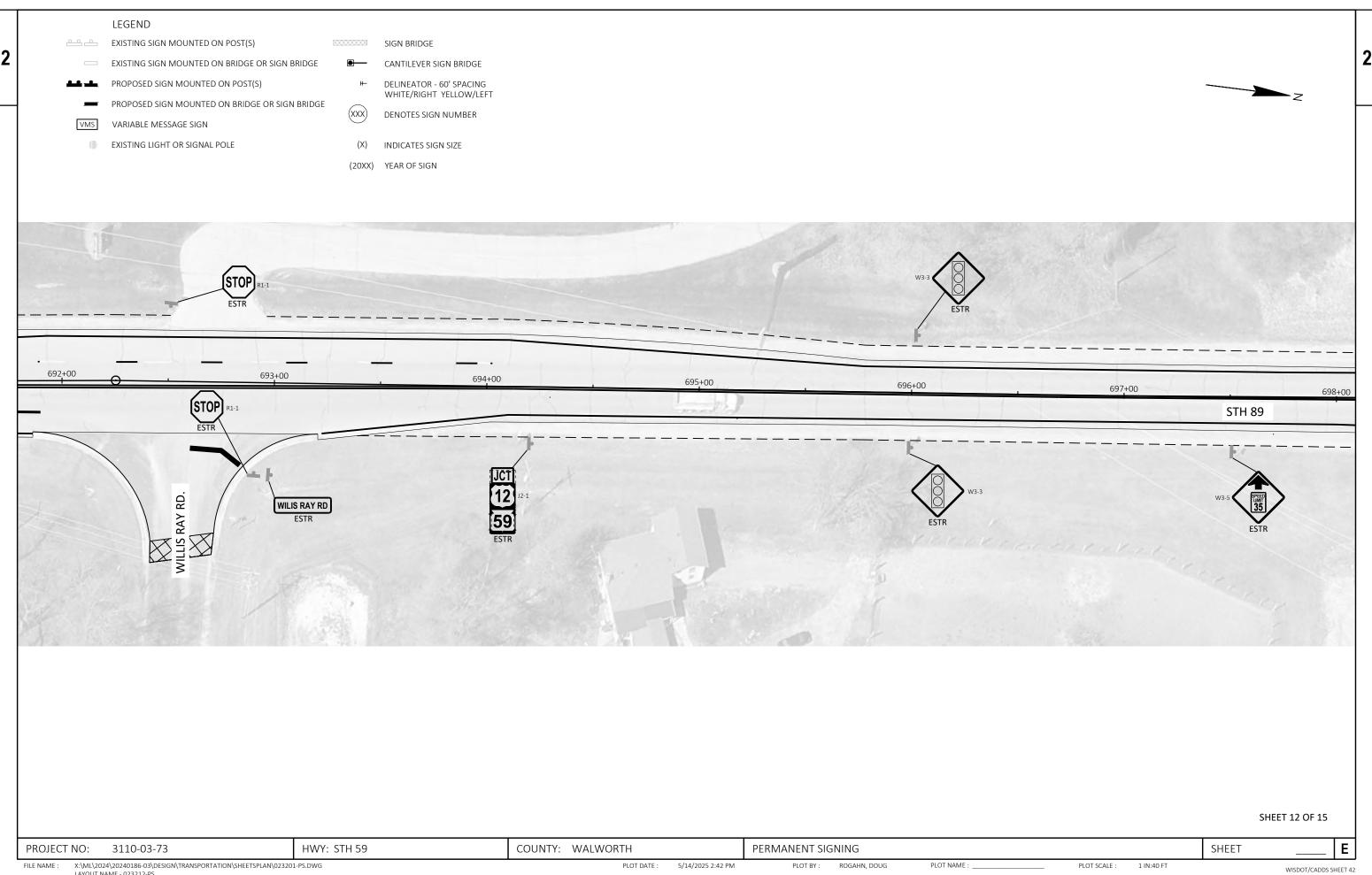
PLOT NAME :

PLOT DATE :

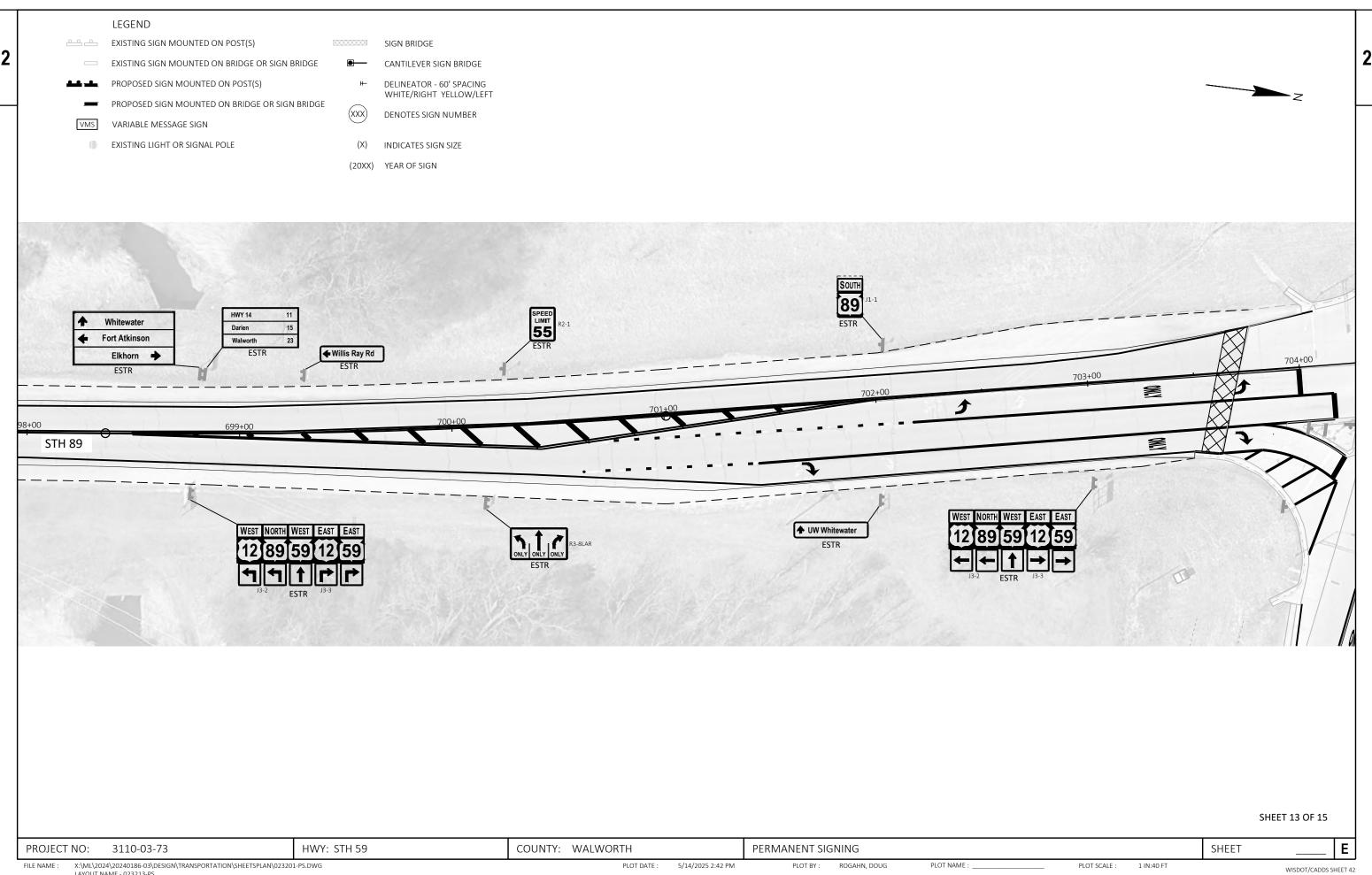
FILE NAME : X:\ML\2024\20240186-03\DESIGN\TRANSPORTATION\SHEETSPLAN\023201-PS.DWG LAYOUT NAME - 023210-PS



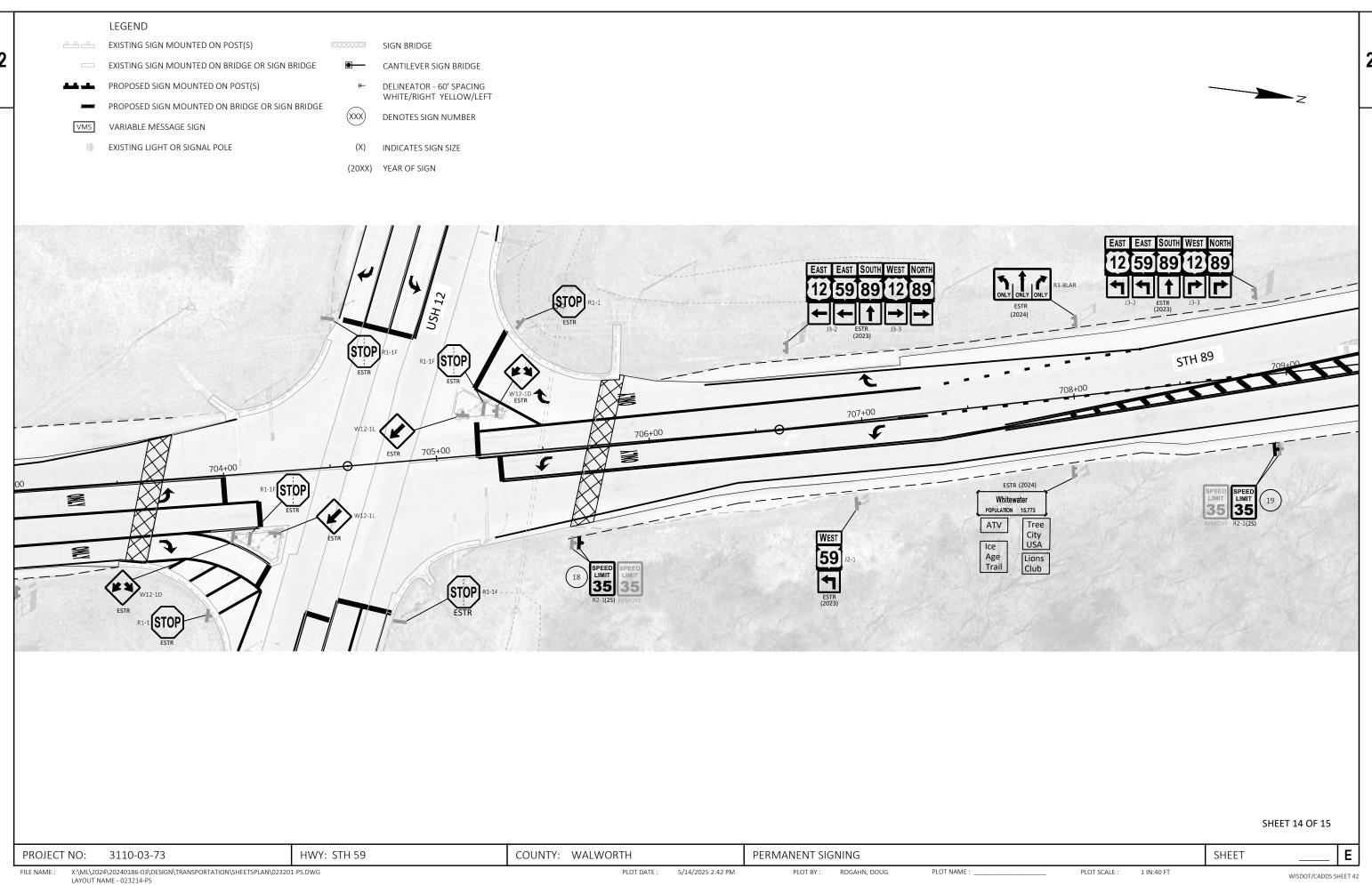
PLOT NAME :



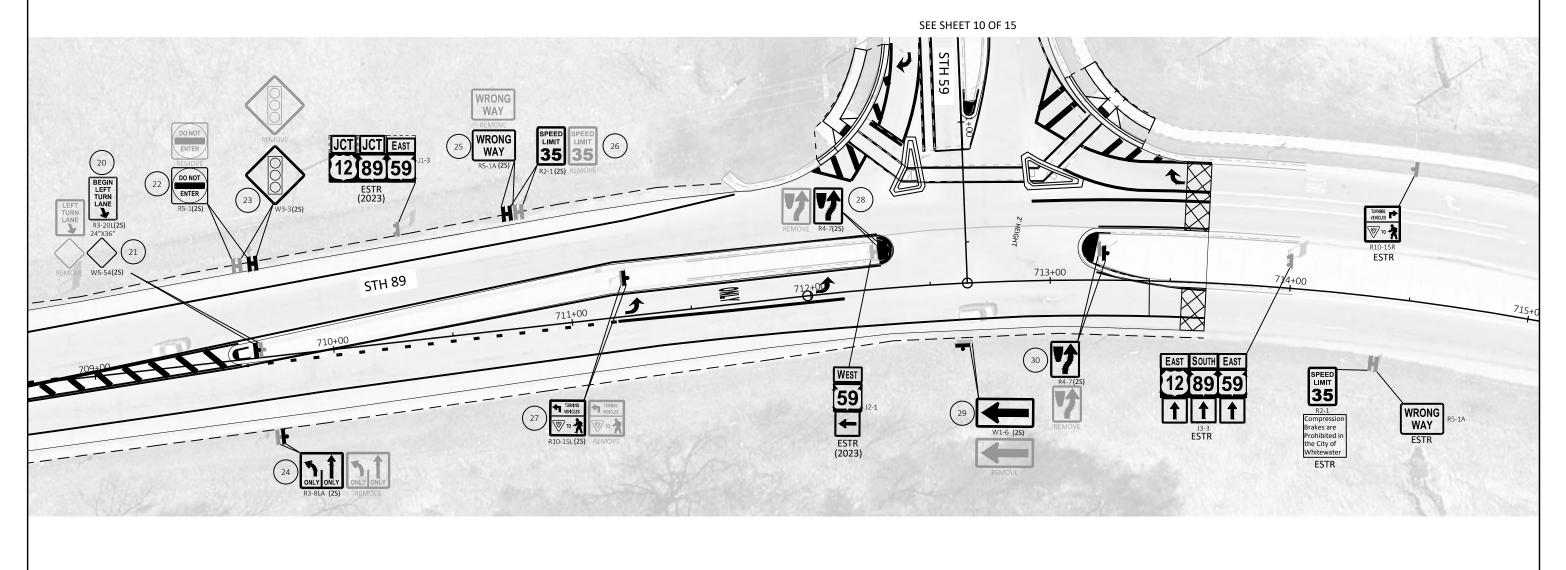
X:\ML\2024\20240186-03\DESIGN\TRANSPORTATION\SHEETSPLAN\023201-PS.DWG LAYOUT NAME - 023212-PS PLOT DATE : 5/14/2025 2:42 PM PLOT BY: ROGAHN, DOUG PLOT NAME : PLOT SCALE : 1 IN:40 FT



X:\ML\2024\20240186-03\DESIGN\TRANSPORTATION\SHEETSPLAN\023201-PS.DWG LAYOUT NAME - 023213-PS PLOT DATE : 5/14/2025 2:42 PM PLOT BY: ROGAHN, DOUG PLOT NAME : PLOT SCALE :



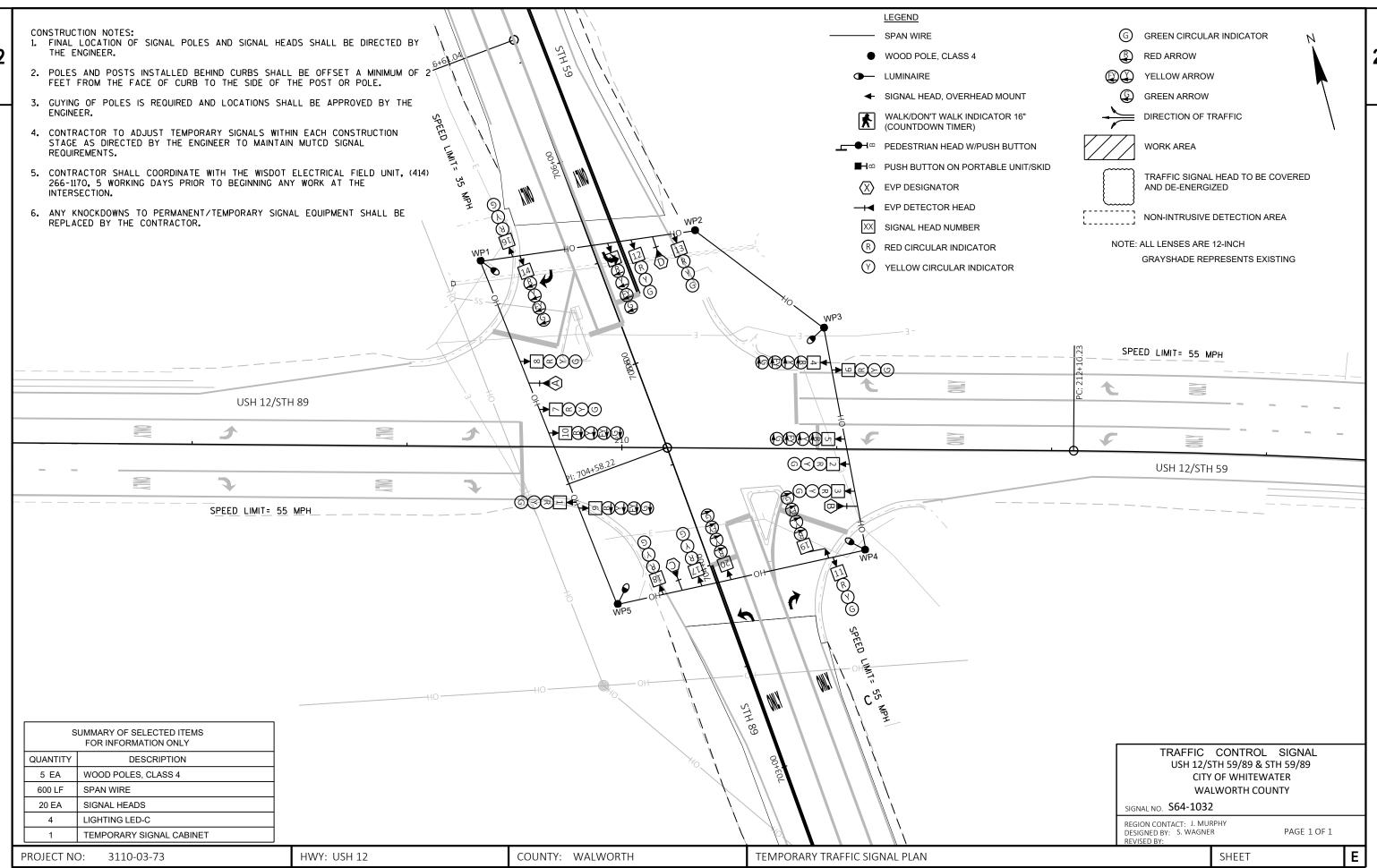




SHEET 15 OF 15

PROJECT NO: Ε 3110-03-73 HWY: STH 59 COUNTY: WALWORTH PERMANENT SIGNING SHEET FILE NAME : PLOT DATE :

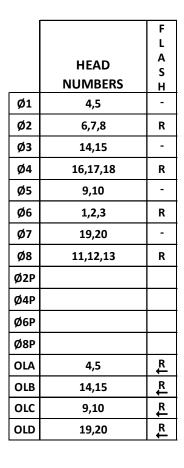
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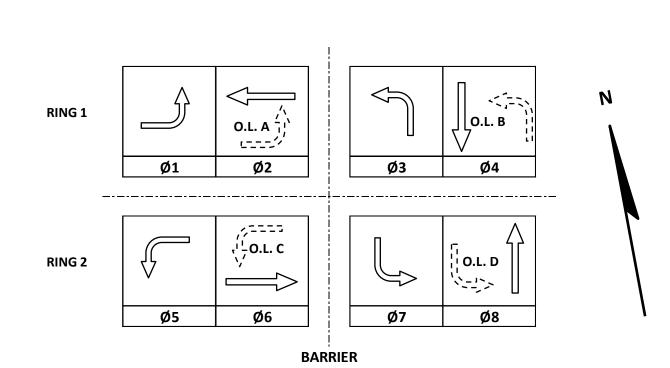


FILE NAME: N:\PDS\C3D\CAD\31100303\SIG\S64-1032\S64-1032\SFRECON.DWG PLOT DATE: 4/15/2025 2:21 PM PLOT BY: WAGNER, SCOTT H PLOT NAME: 1 N:40 FT

WISDOT/CADDS SHEET 42

LAYOUT NAME - S64-1032_TSPRECON





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	А	В	С	D
MOVEMENT	<u> </u>	**************************************		(
PHASE	2+5	6+1	4+7	8+3

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

AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

CONTROLLER LOGIC

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

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

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

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

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

USH 12/STH 59/89 & STH 59/89

DELAVAN/GENEVA

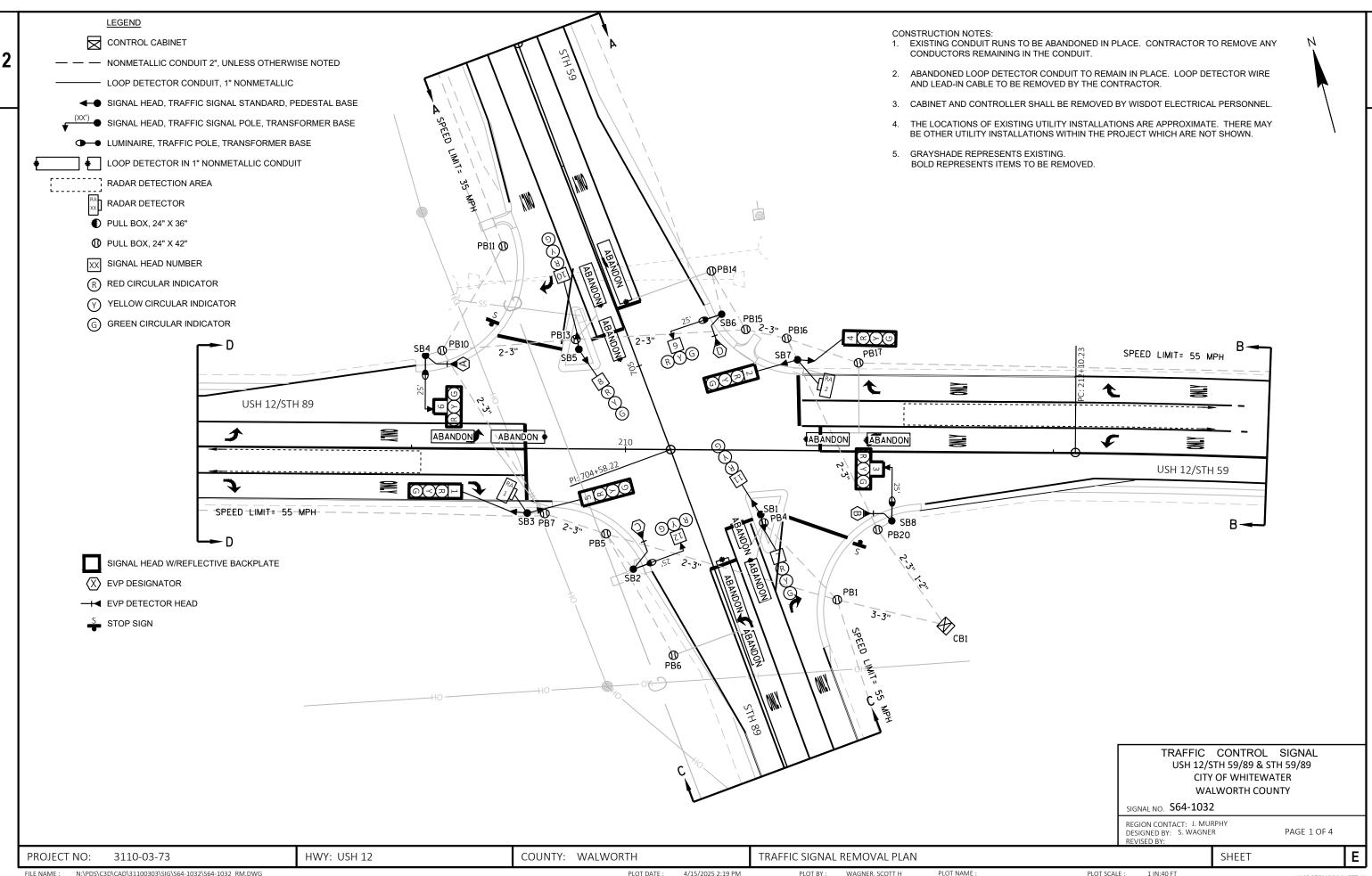
WALWORTH COUNTY

SIGNAL NO: T64-1032 CABINET TYPE: TS1

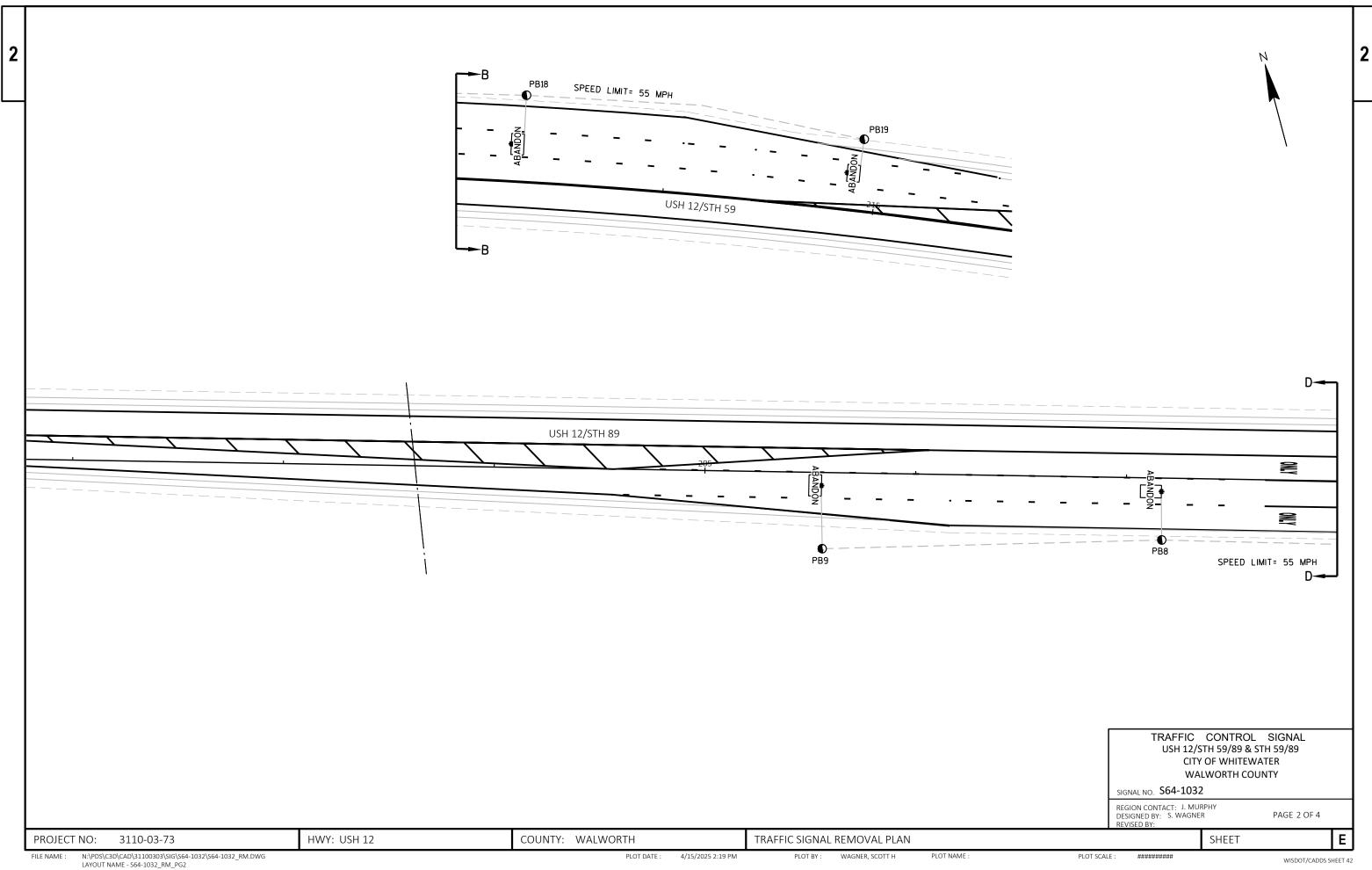
CONTROLLER TYPE: ECONOLITE

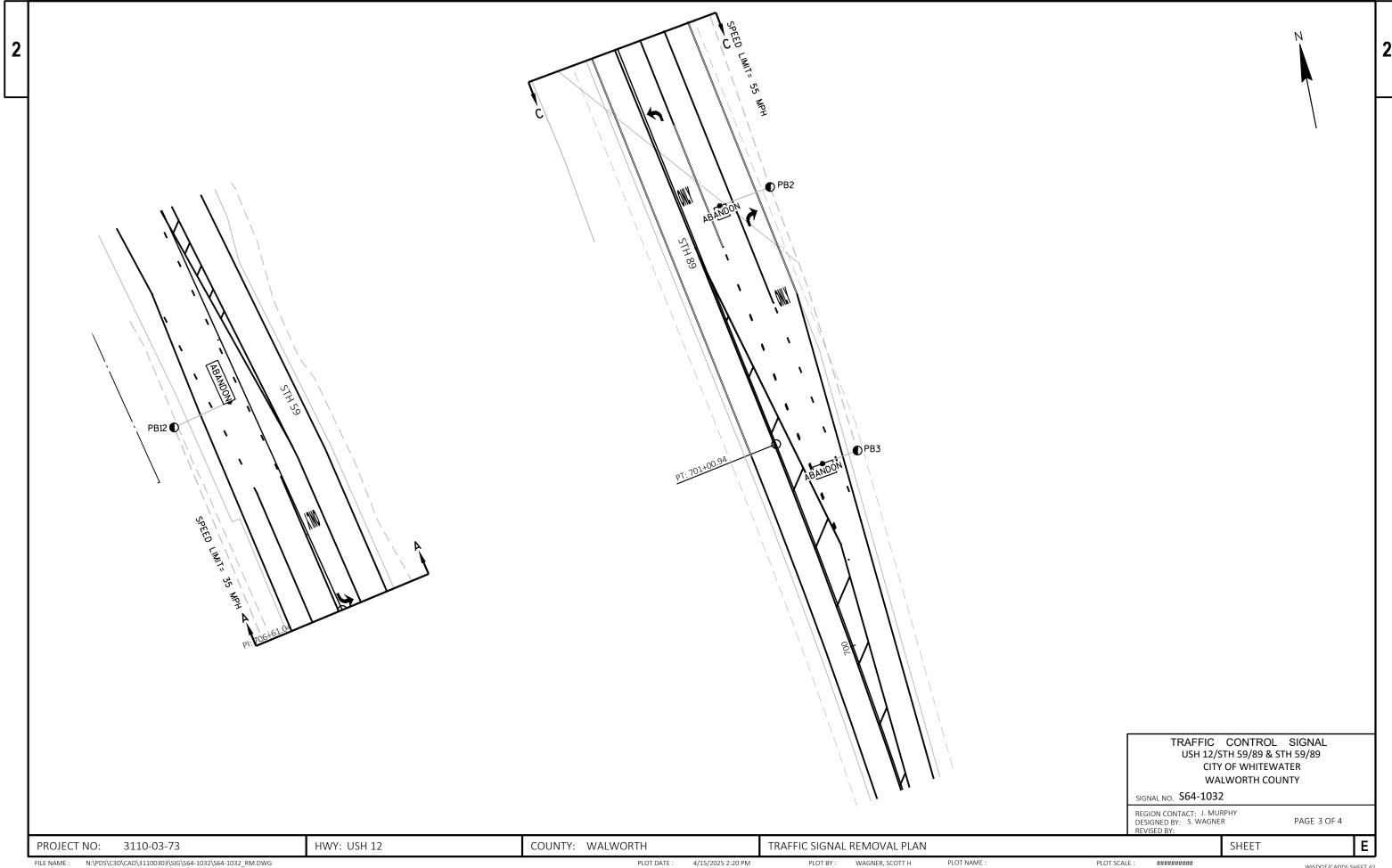
DATE: 1/2025 PAGE NUMBER: 3 OF 3

PROJECT NO: 3110-03-73 HWY: USH 12/STH 59 COUNTY: WALWORTH SEQUENCE OF OPERATIONS SHEET NO: E

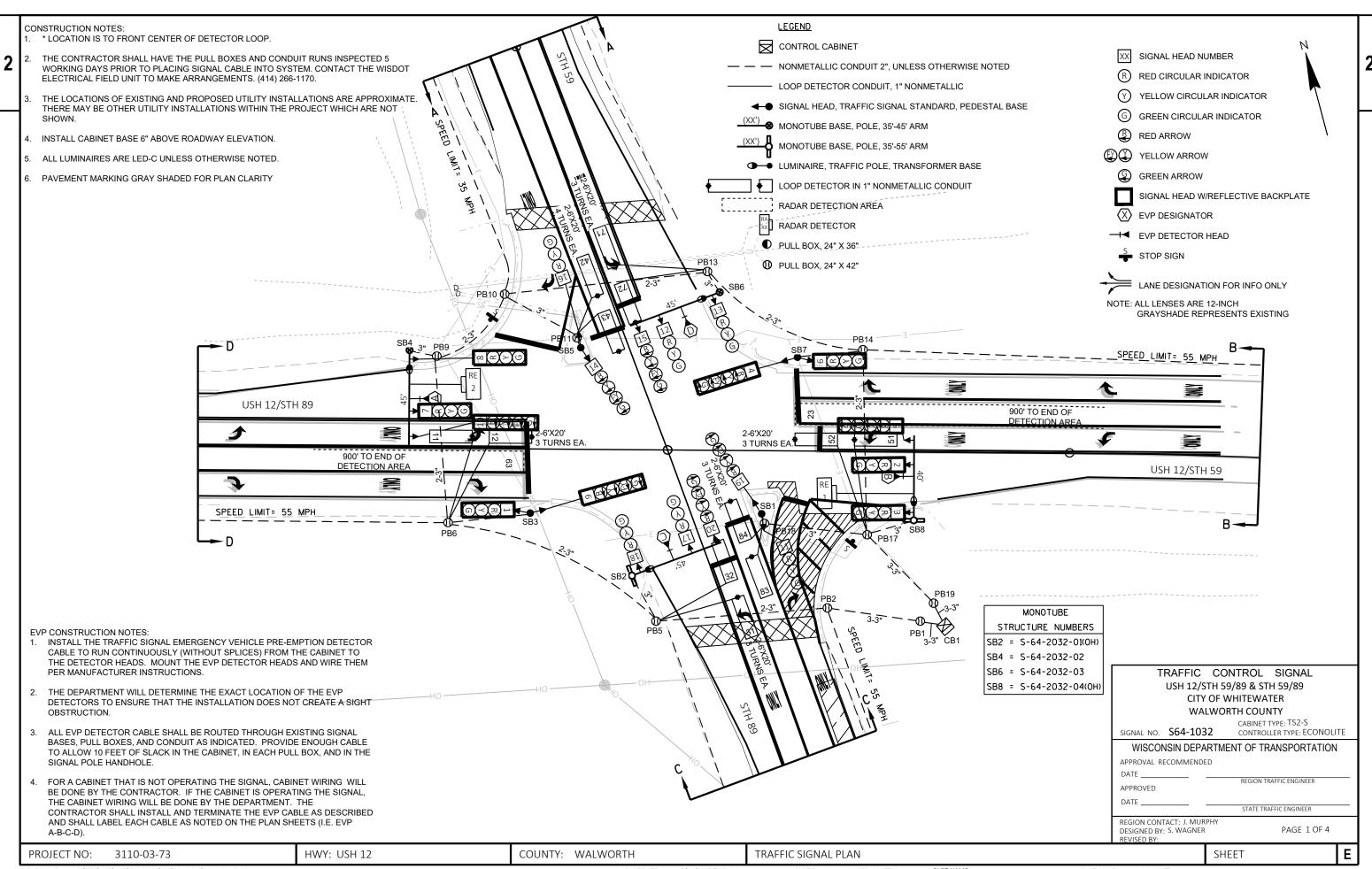


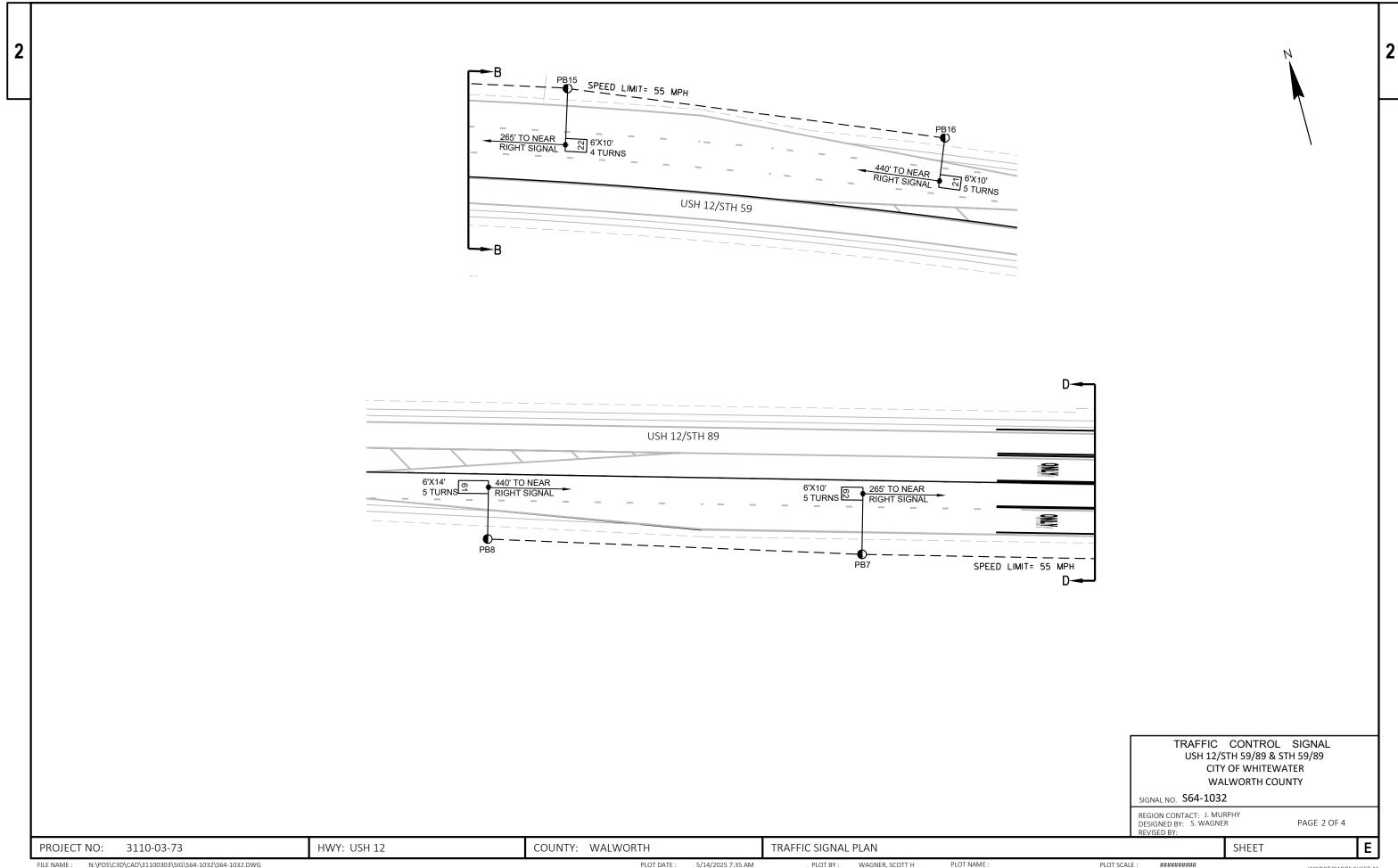
N:\PDS\C3D\CAD\\$1100303\SIG\S64-1032\S64-1032_RM.DWG PLOT BY: WAGNER, SCOTT H PLOT NAME: PLOT SCALE: 1 IN:40 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - S64-1032_RM_PG1





N:\PDS\C3D\CAD\31100303\SIG\S64-1032\S64-1032_RM.DWG LAYOUT NAME - S64-1032_RM_PG3 WISDOT/CADDS SHEET 42





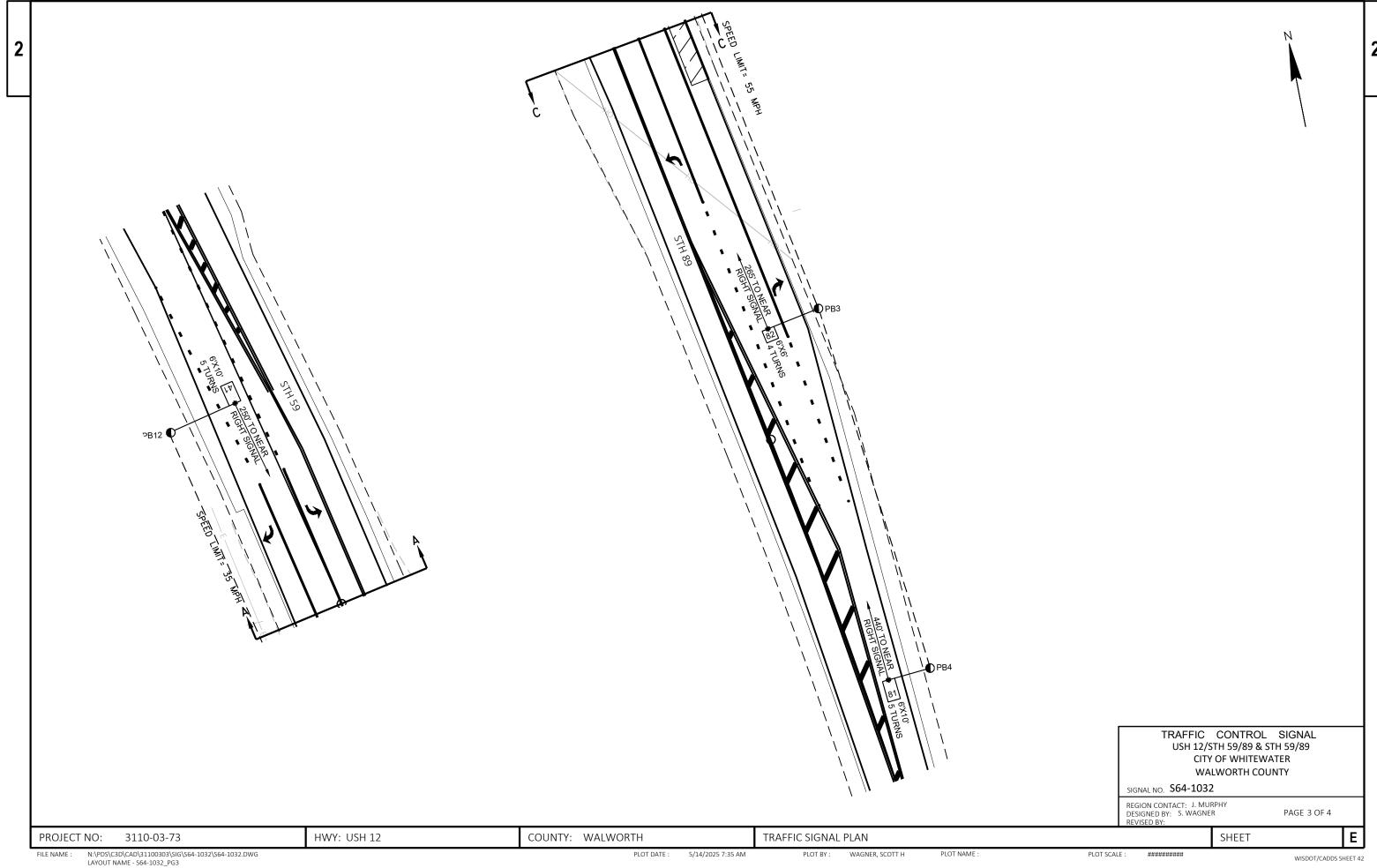
N:\PD\$\C3D\CAD\31100303\\$IG\\$64-1032\\$64-1032.DWG LAYOUT NAME - \$64-1032_PG2

PLOT DATE : 5/14/2025 7:35 AM

PLOT BY: WAGNER, SCOTT H

PLOT SCALE :

##########



		_
		F
		L
	HEAD	Α
	NUMBERS	S
		H
Ø1	4,5	R ←
Ø2	6,7,8	R
ØЗ	14,15	₽
Ø4	16,17,18	R
Ø5	9,10	R
Ø6	1,2,3	R
Ø7	19,20	₽
Ø8	11,12,13	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH	19,20	-

RING 1 O.L. F O.L. E ピニニン Ø1 Ø2 Ø3 RING 2 O.L. H Ø6 Ø7 Ø8 Ø5 **BARRIER**

CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COM	MUNICATION
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	Х

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCE VEHICLE FREEMI HON SEQUENCE						
EMERGENCY VEHICLE PREEMPTOR	А	В	С	D		
MOVEMENT	1		,			
PHASE	2+5	6+1	4+7	8+3		

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

AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

DETECTOR LOGIC

PLAN LOOP DETECTOR*(S)	11	21	31	41	43	52	62	72
CALLED PHASE	1	2	3	4	4	5	6	7
CALL OPTION	X	Х	Х		Х	Х	Х	Х
DELAY TIME	Х		Х			Х		Х
EXTENTION OPTION	Х	Х	Х	Х	Х	Х	Х	Х
EXTEND TIME				Х				
USE ADDED INITIAL		Х					Х	
CROSS SWITCH PHASE	-							
_				•				
DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	32	42	51	61	71	81
CALLED PHASE	1	2	3	4	5	6	7	8
CALL OPTION	Х	Х	Х	Х	Х	Х	Х	
DELAY TIME	Х		Х		Х		Х	
EXTENTION OPTION	Х	Х	Х	Х	Х	Х	Х	Х
EXTEND TIME								Х
USE ADDED INITIAL		Х				Х		
CROSS SWITCH PHASE								

DETECTOR INPUT 3 1 7 5 11 9 15 13

19	17	23	21	27	25	31	29
82	84						
8	8						
	Х						
X	Х						
Х							
					1		
20	18	24	22	28	26	32	30
20 83	18	24	22	28	26	32	30
	18	24	22	28	26	32	30
83	18	24	22	28	26	32	30
83 8 X	18	24	22	28	26	32	30
83 8	18	24	22	28	26	32	30
83 8 X	18	24	22	28	26	32	30

35	33	39	37	43	41	47	45	DETECTOR INPUT
23								PLAN LOOP DETECTOR*(S)
2								CALLED PHASE
Х								CALL OPTION
								DELAY TIME
Х								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE
,				•	•			
36	34	40	38	44	42	48	46	DETECTOR INPUT
63								PLAN LOOP DETECTOR*(S)
6								CALLED PHASE
Х								CALL OPTION
								DELAY TIME
Х								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

USH 12/STH 59/89 & STH 59/89 CITY OF WHITEWATER WALWORTH COUNTY SIGNAL NO: S64-1032 CABINET TYPE: TS2 CONTROLLER TYPE: ECONOLITE 1/2025 PAGE NUMBER: 4 OF 4

PROJECT NO: 3110-03-73 HWY: USH 12/STH 59 COUNTY: WALWORTH **SEQUENCE OF OPERATIONS** SHEET NO: 2

 PROJECT ID:
 3110-03-73

 INTERSECTION:
 USH 12/STH 59/89 & STH 59/89

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

						SIGNAL INDICA	ATION WIRE COLO	OR .		
CB1 TO	AWG14#OF CONDUCTORS	HEAD NO.	RED	YELLOW	GREEN	<red></red>	<yellow></yellow>	<green></green>	<flashing YELLOW></flashing 	D/WALK
SB1	12	11	Red	Orange	Green					
		19				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	
SB2	12	17	Red	Orange	Green					
		18	Red	Orange	Green					
		20				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	
SB3	12	1	Red	Orange	Green					
		9				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	
SB4	12	7	Red	Orange	Green					
		8	Red	Orange	Green					
		10				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	
SB5	12	14				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	
		16	Red	Orange	Green					
SB6	12	12	Red	Orange	Green					
		13	Red	Orange	Green					
		15				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	
SB7	12	4				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	<u> </u>
		6	Red	Orange	Green					
SB8	12	2	Red	Orange	Green					
		3	Red	Orange	Green					
		5				Red/Blk	Org/Blk	Grn/Blk	Blk/Wht	

Equipment				
Grounding	Conductor			
10 AWG G	reen XLP			
From	То			
CB1	SB2			
SB2	SB3			
SB3	SB4			
SB4	SB5			
SB5	SB6			
SB6	SB7			
SB7	SB8			
SB8	SB1			
SB1	CB1			

Pull Box				
Bonding	Jumper			
10 AWG G	reen XLP			
From	То			
PB1	CB1			
PB2	CB1			
PB5	SB2			
PB6	SB3			
PB9	SB4			
PB10	SB5			
PB11	SB5			
PB13	SB6			
PB14	SB7			
PB17	SB8			
PB18	SB1			
PB19	CB1			

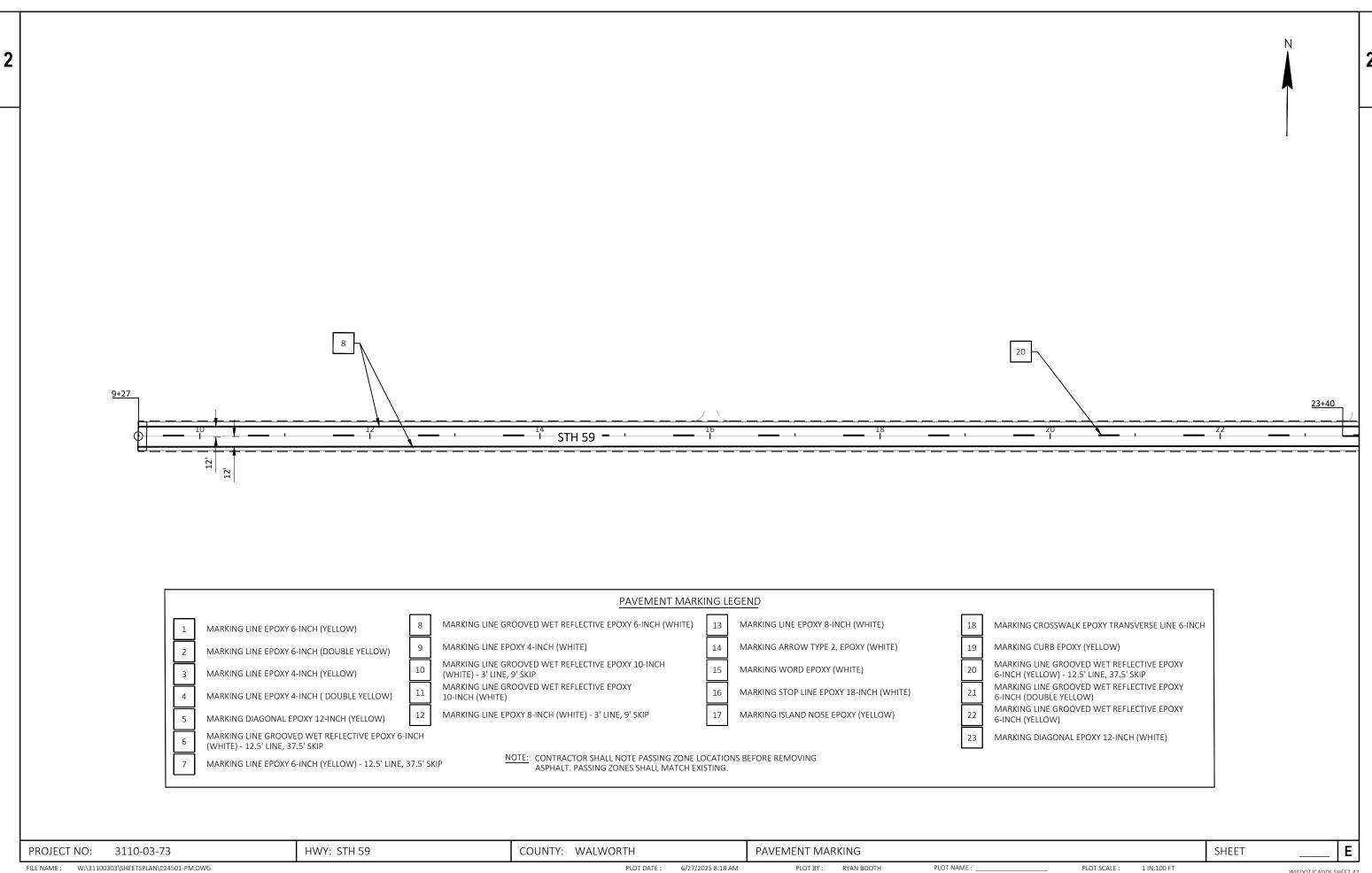
Ligh	nting
UF 2-1	0 AWG
Grou	ınded
From	То
CB1	SB2
SB2	SB4
CB1	SB8
SB8	SB6

Emergency					
Veh	icle				
Preen	nption				
From	То				
CB1	SB4 (HEAD A)				
CB1	SB8 (HEAD B)				
CB1	SB2 (HEAD C)				
CB1	SB6 (HEAD D)				

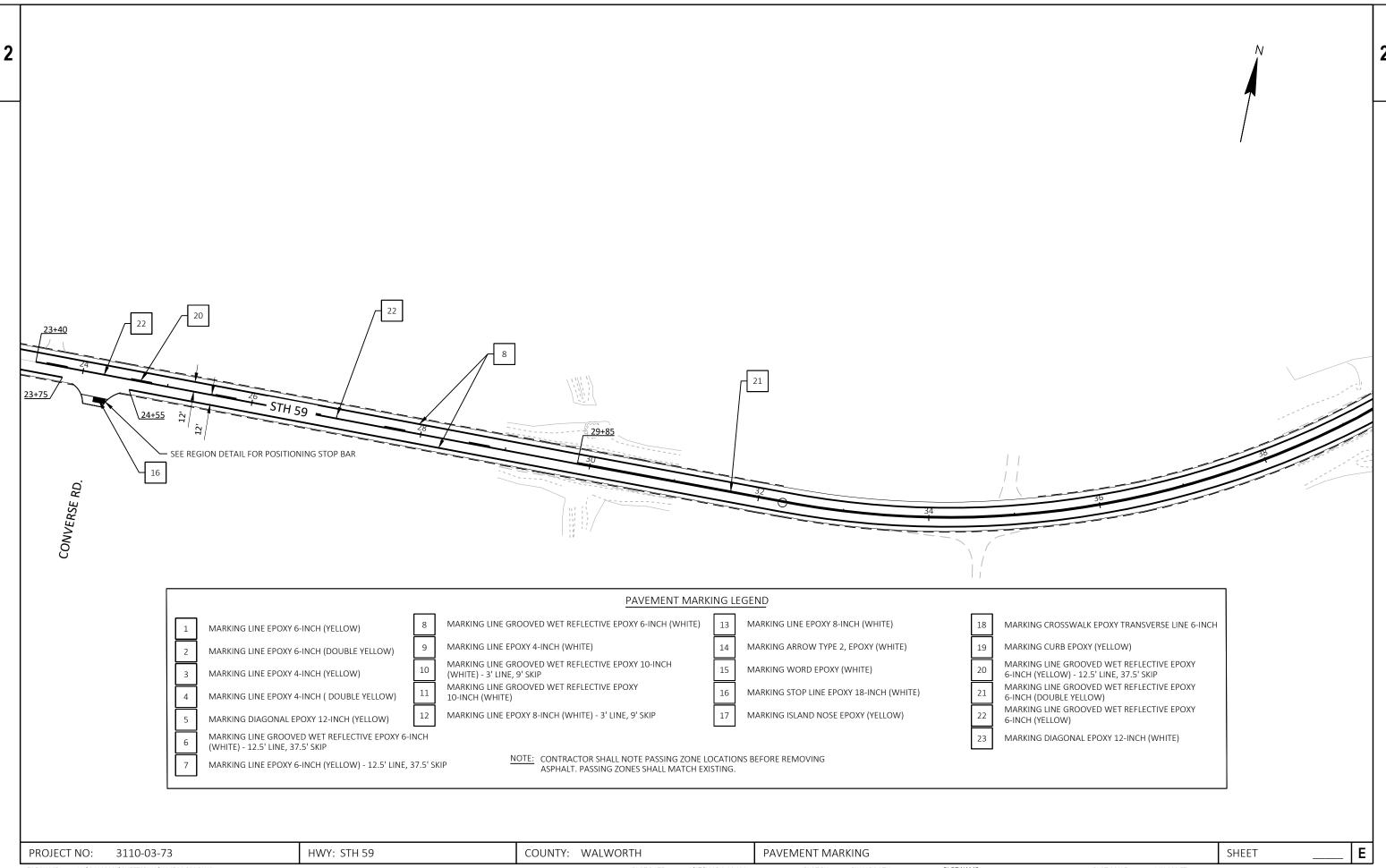
Radar			
Dete	ction		
Cable			
From	То		
CB1	SB8 (RE1)		
CB1	SB4 (RE2)		

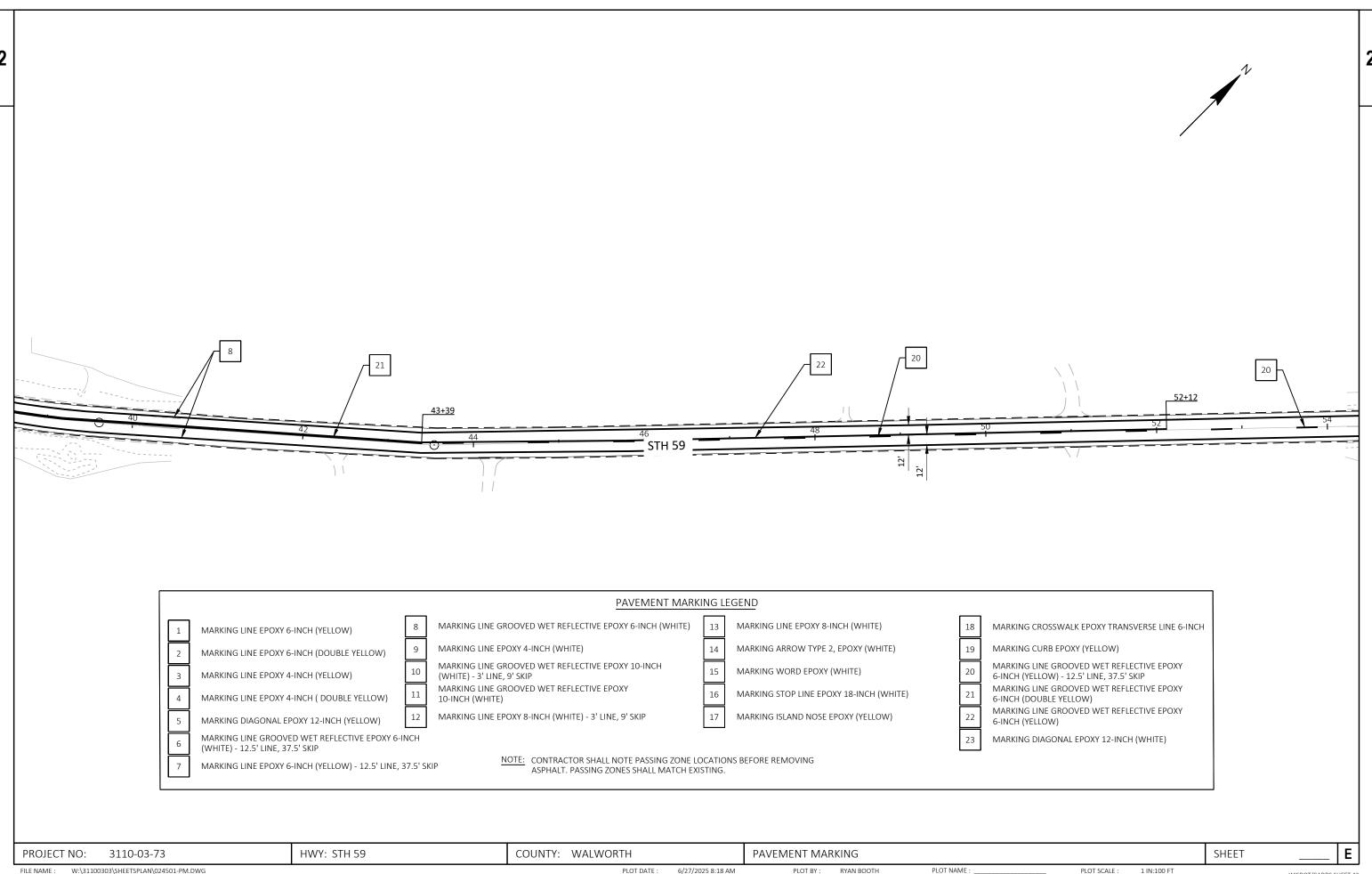
PROJECT NO: 3110-03-73 HWY: USH 12 COUNTY: WALWORTH CABLE ROUTING SHEET: **E**

FILE NAME : N:\PDS\C3D\CAD\31100303\SIG\S64-1032\C4D\31100303\SIG\S64-1032\cr.pptx PLOT NAME : S64-1032\cr.pptx PLOT SCALE : 1:1

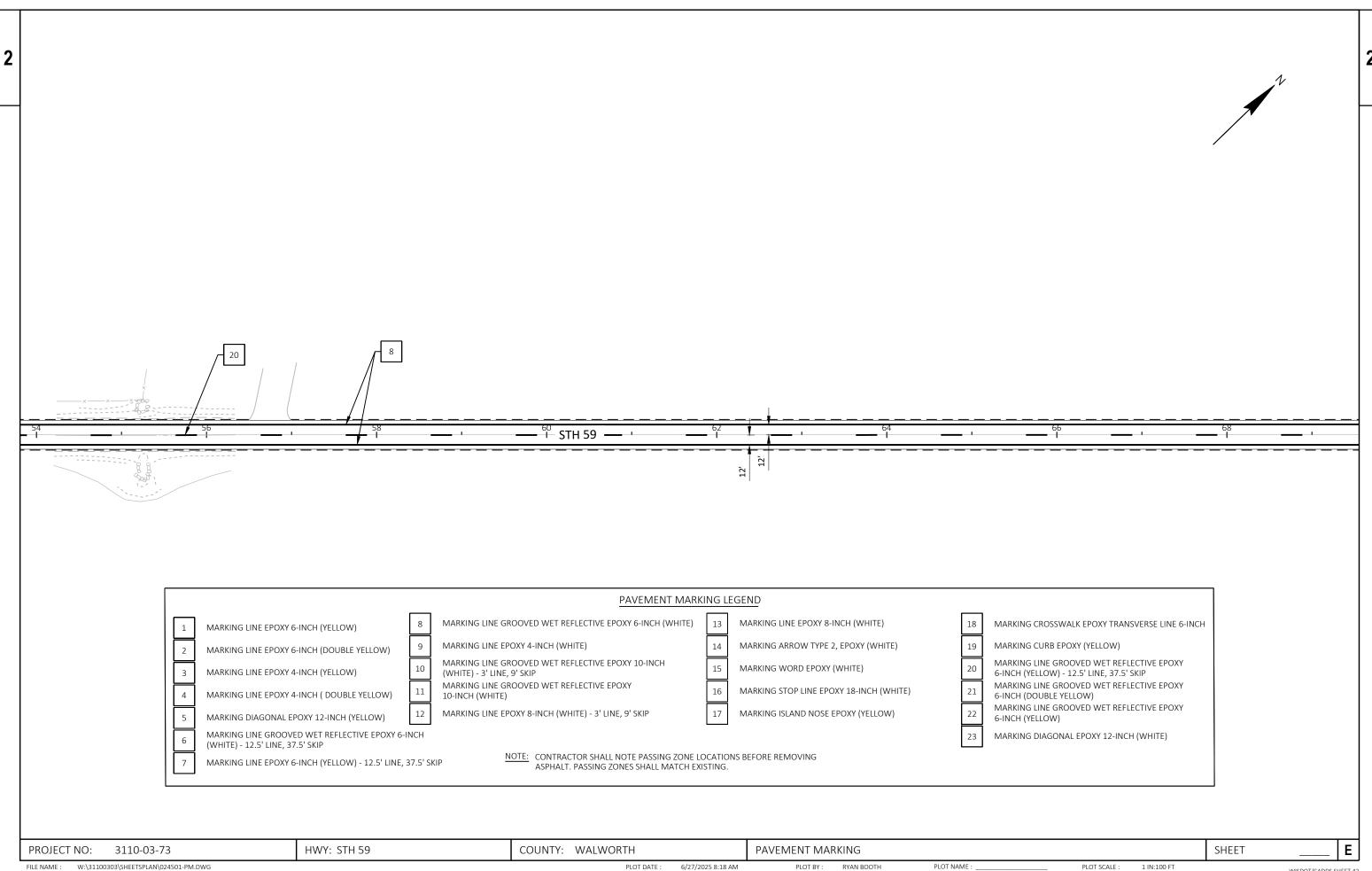


WISDOT/CADDS SHEET 42 LAYOUT NAME - 024501-PM

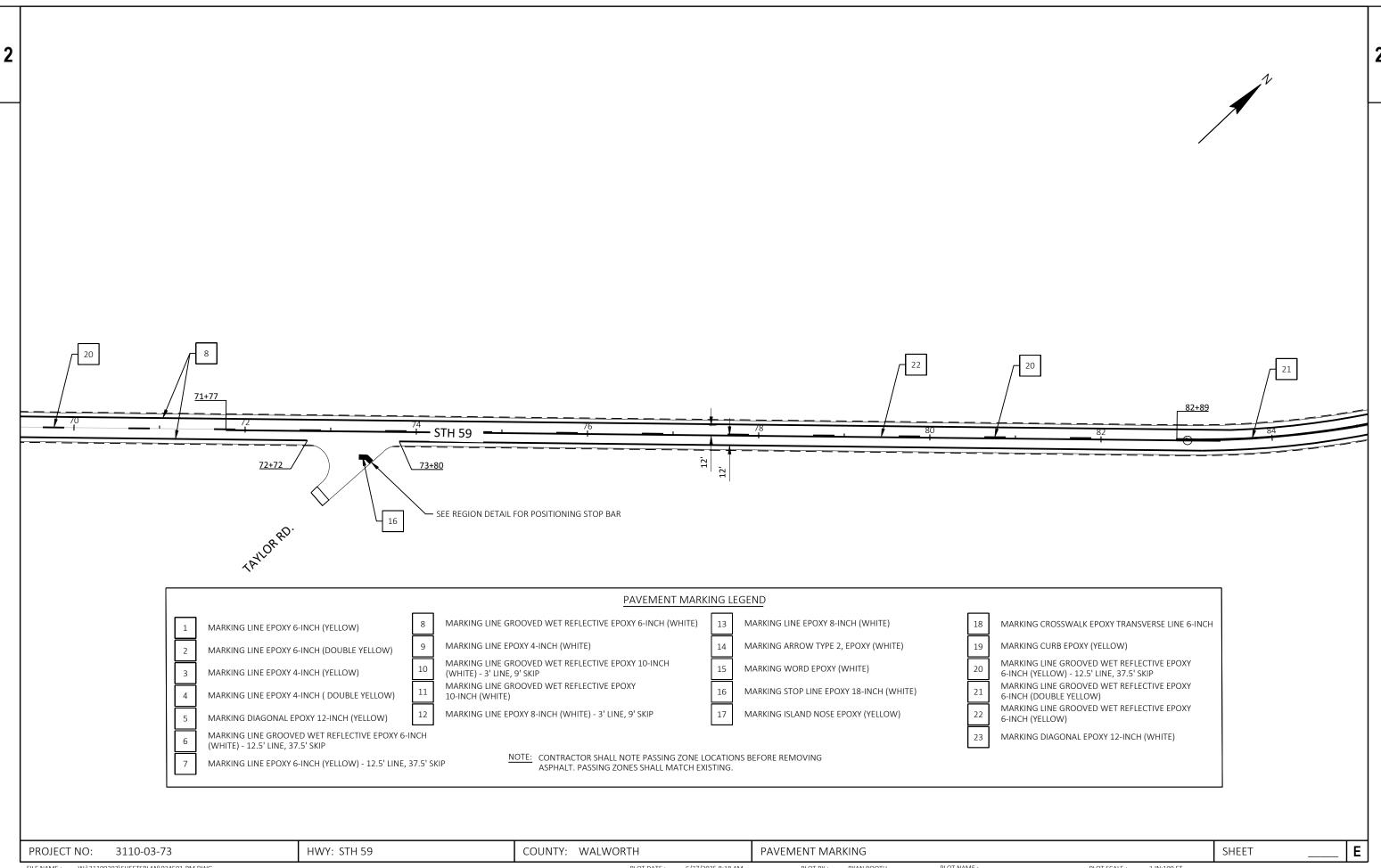


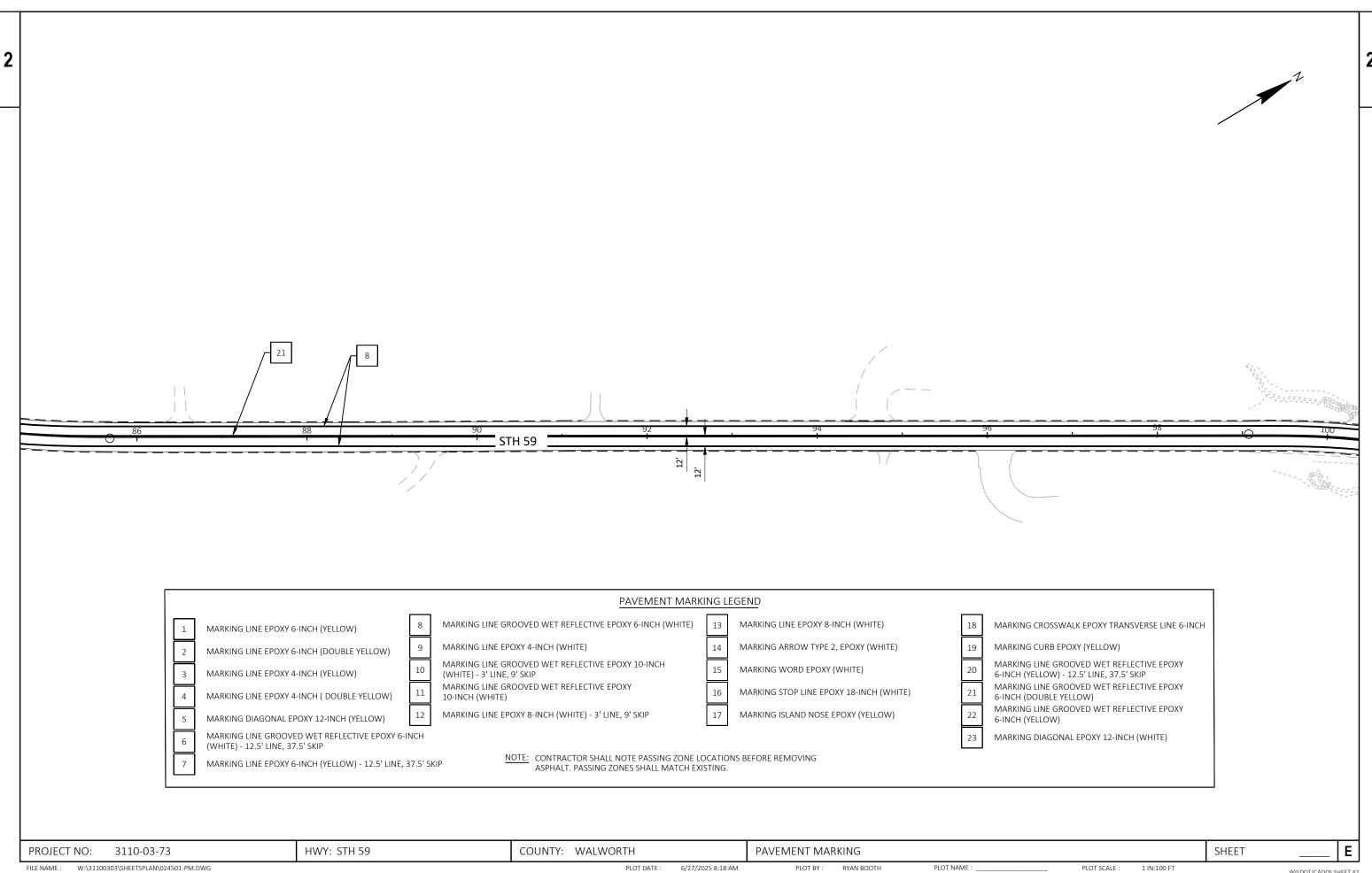


W:\31100303\SHEETSPLAN\024501-PM.DWG RYAN BOOTH 6/27/2025 8:18 AM PLOT BY: PLOT SCALE: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 024503-PM

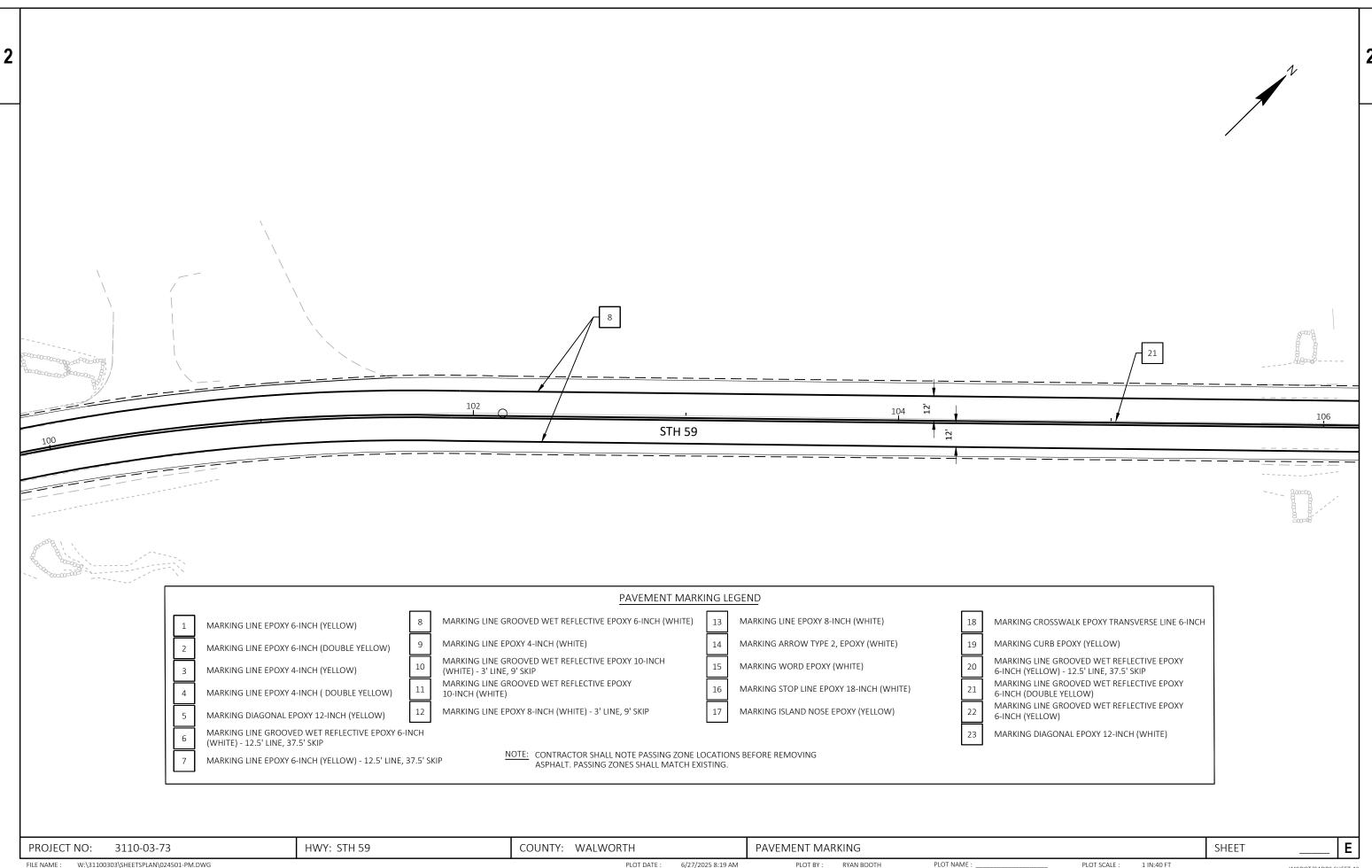


6/27/2025 8:18 AM PLOT BY: PLOT SCALE: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 024504-PM

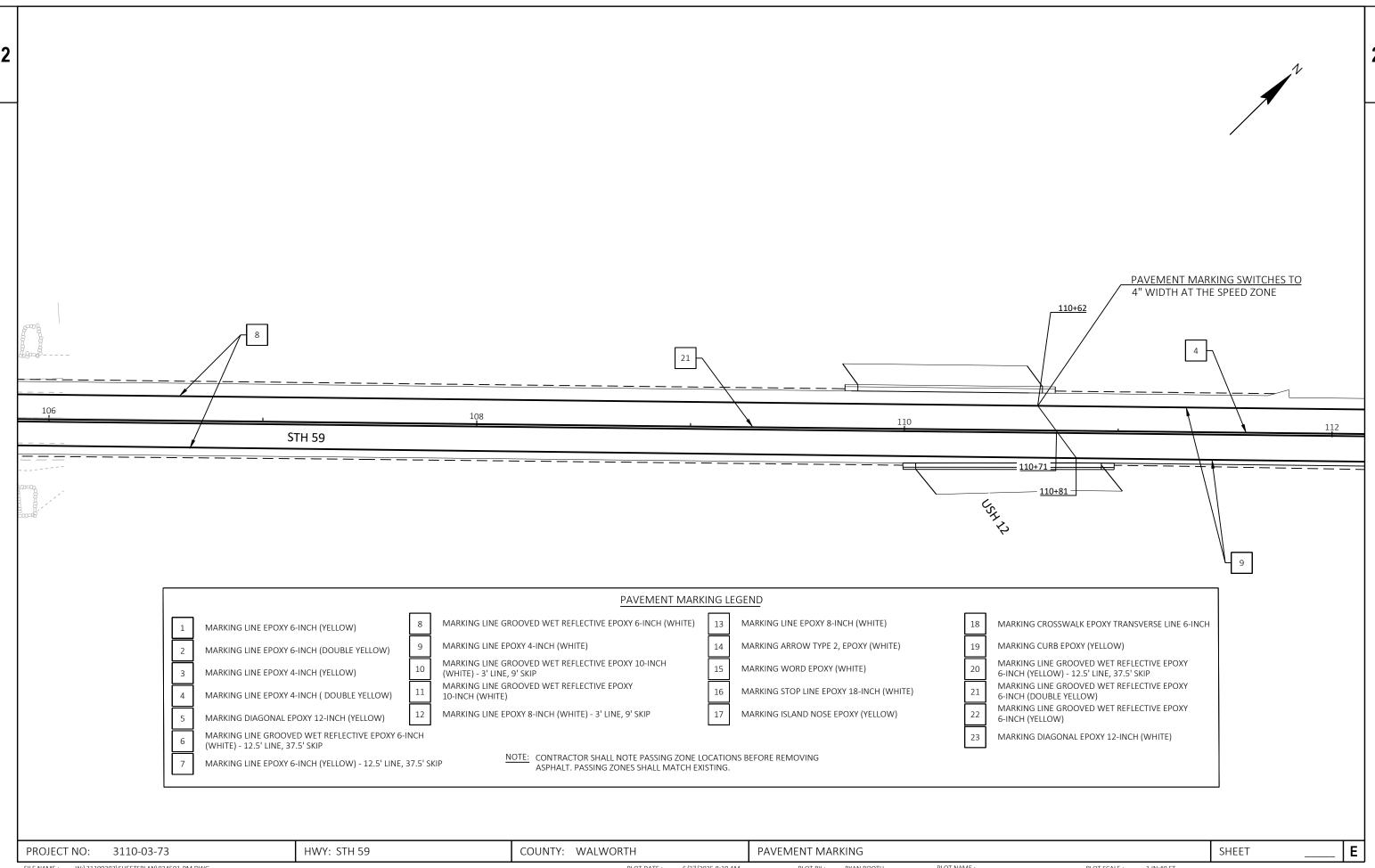




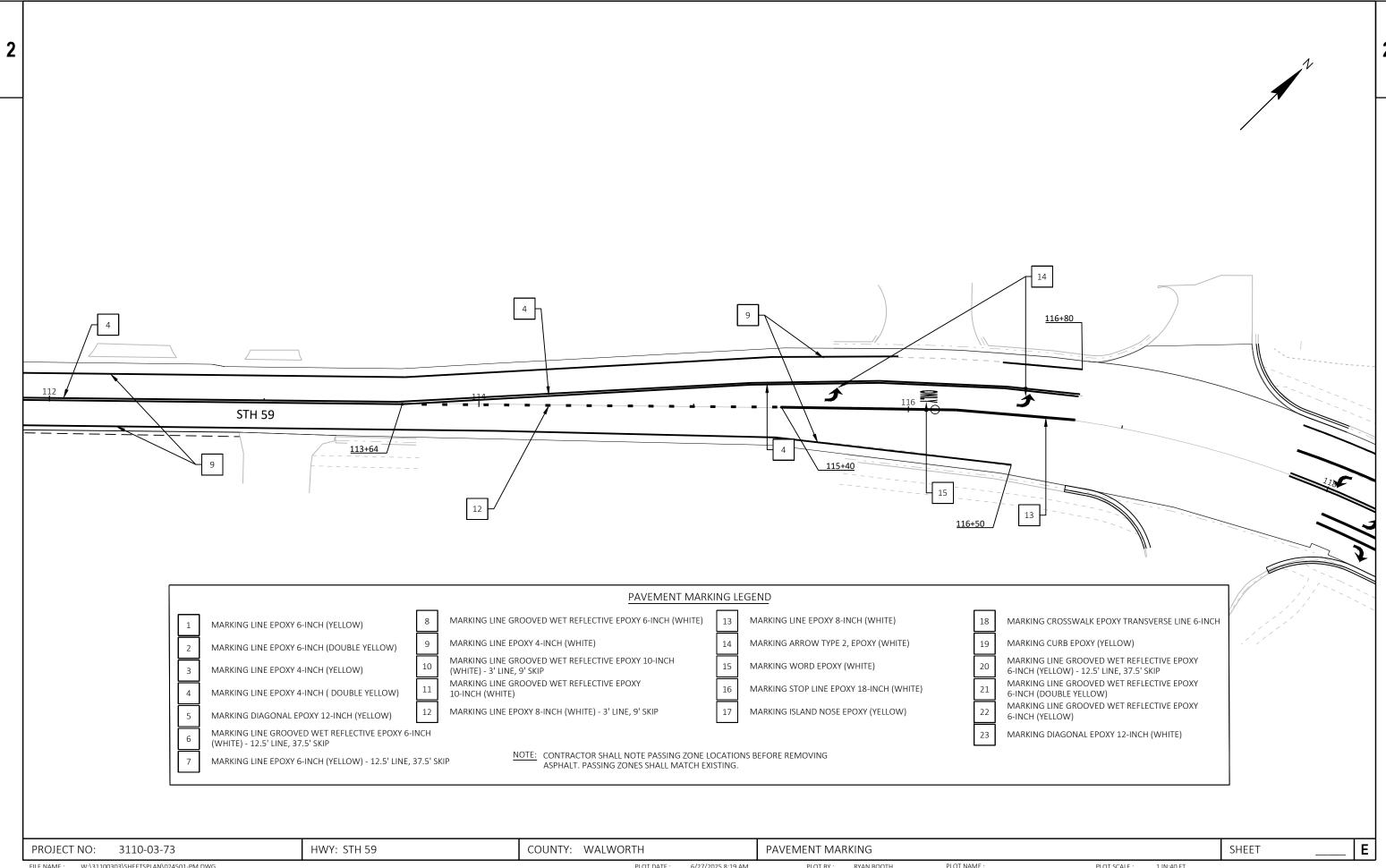
WISDOT/CADDS SHEET 42 LAYOUT NAME - 024506-PM

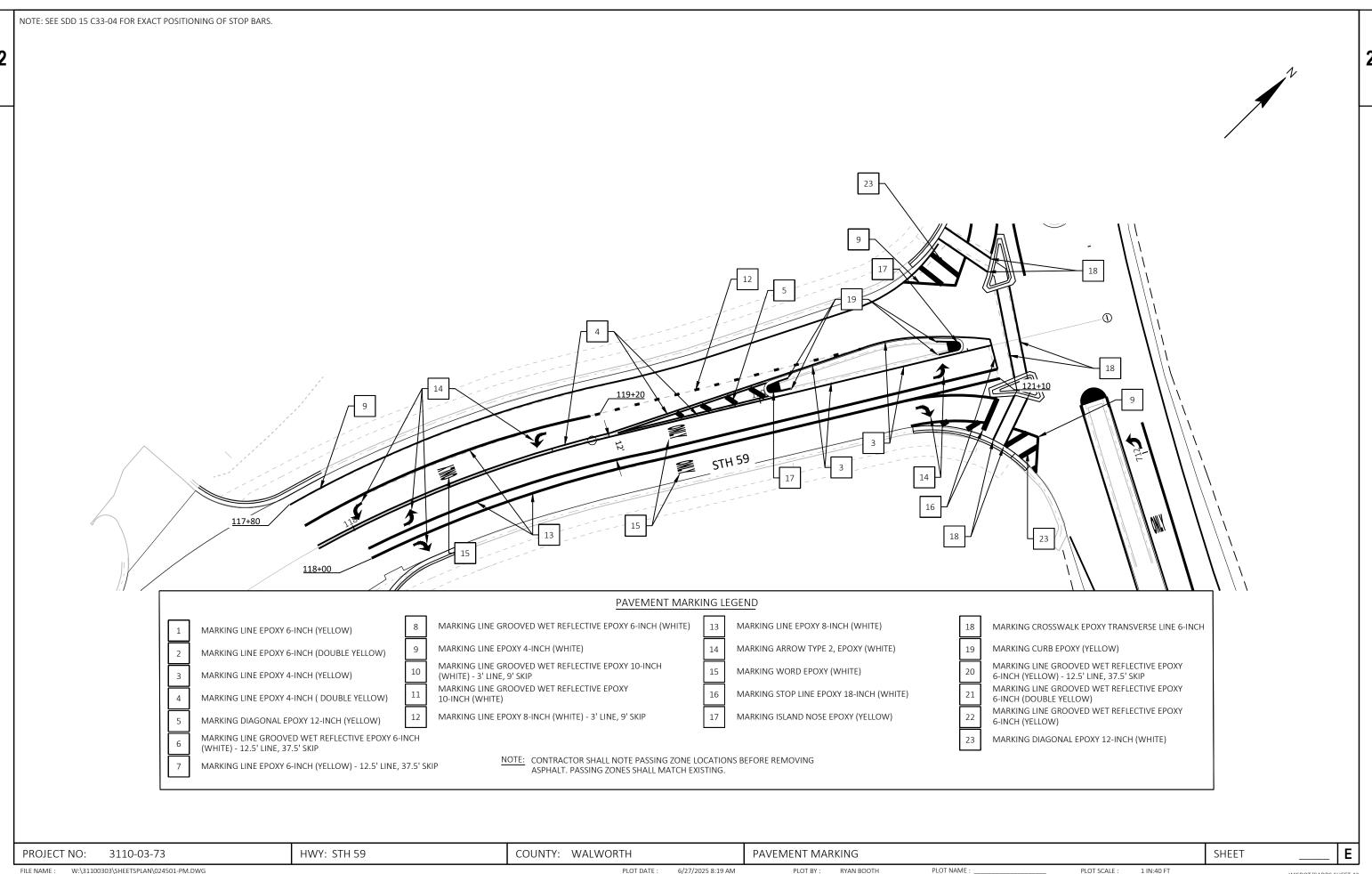


W:\31100303\SHEETSPLAN\024501-PM.DWG PLOT BY : RYAN BOOTH 6/27/2025 8:19 AM PLOT NAME: PLOT SCALE : 1 IN:40 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 024507-PM

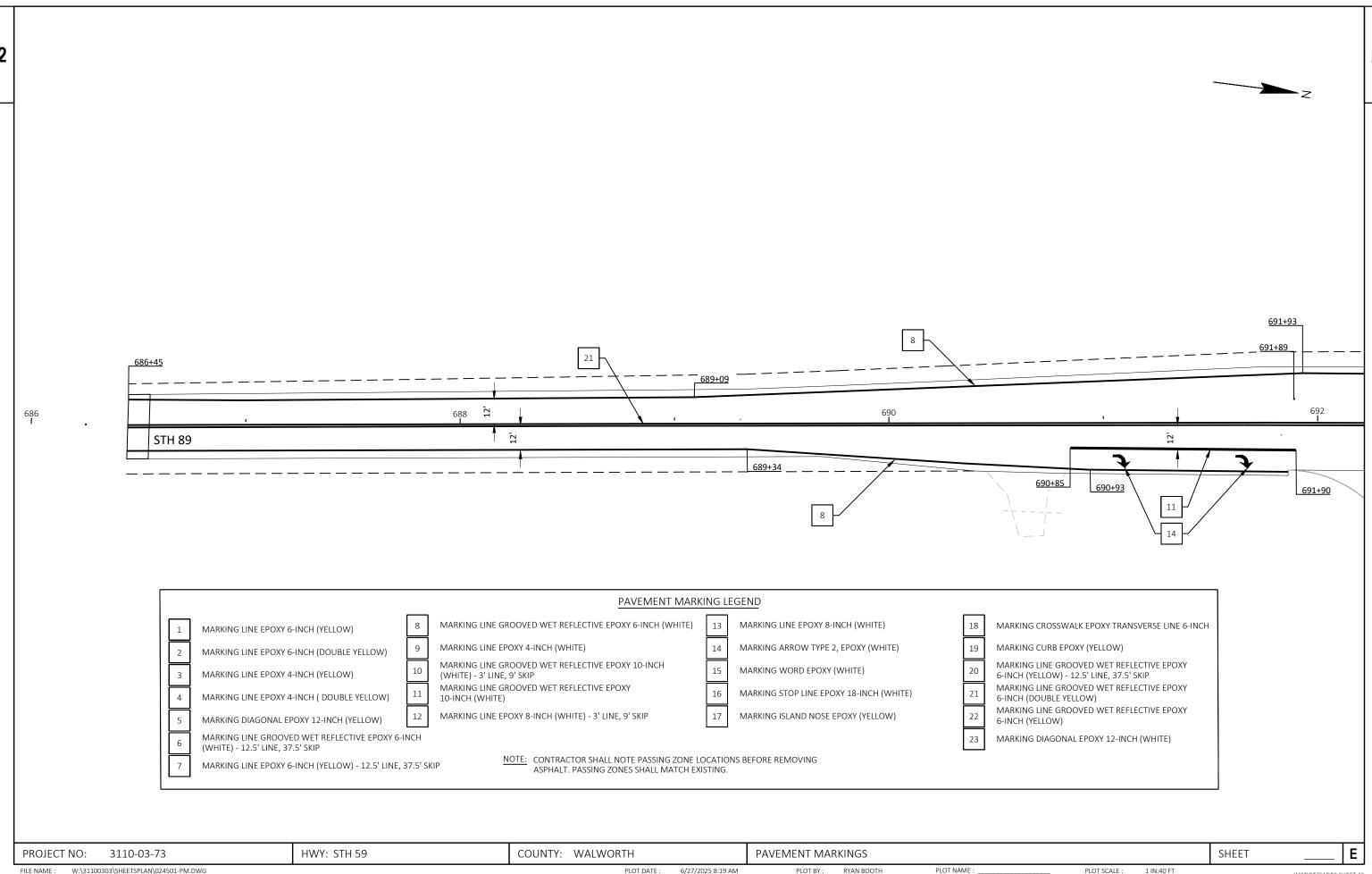


FILE NAME: W:\31100303\SHEETSPLAN\024501-PM.DWG PLOT DATE: 6/27/2025 8:19 AM PLOT BY: RYAN BOOTH PLOT NAME: _____ PLOT SCALE: 1 IN:40 FT WISDOT/CADDS SHEET 42 AND UT NAME - 024508-PM

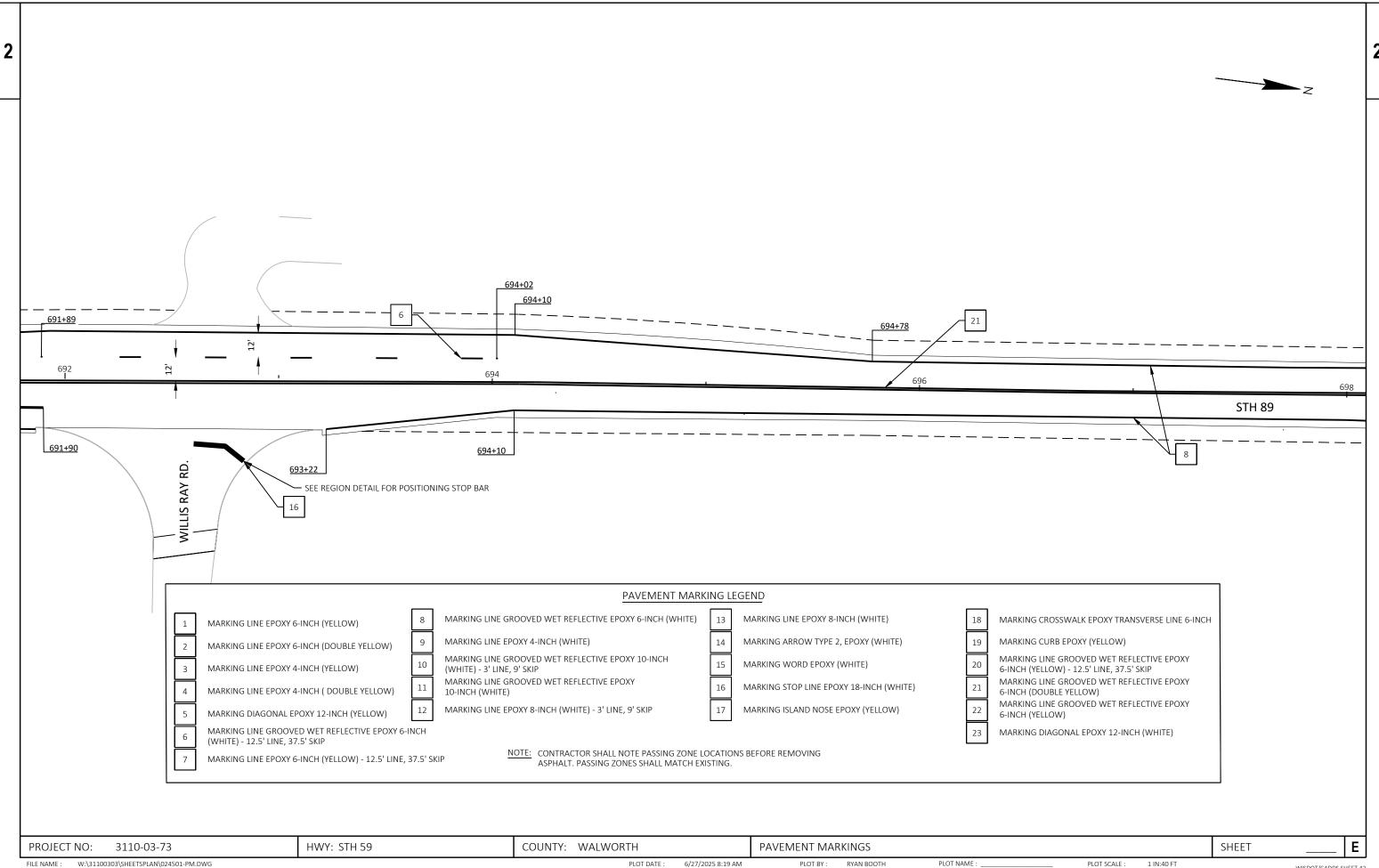




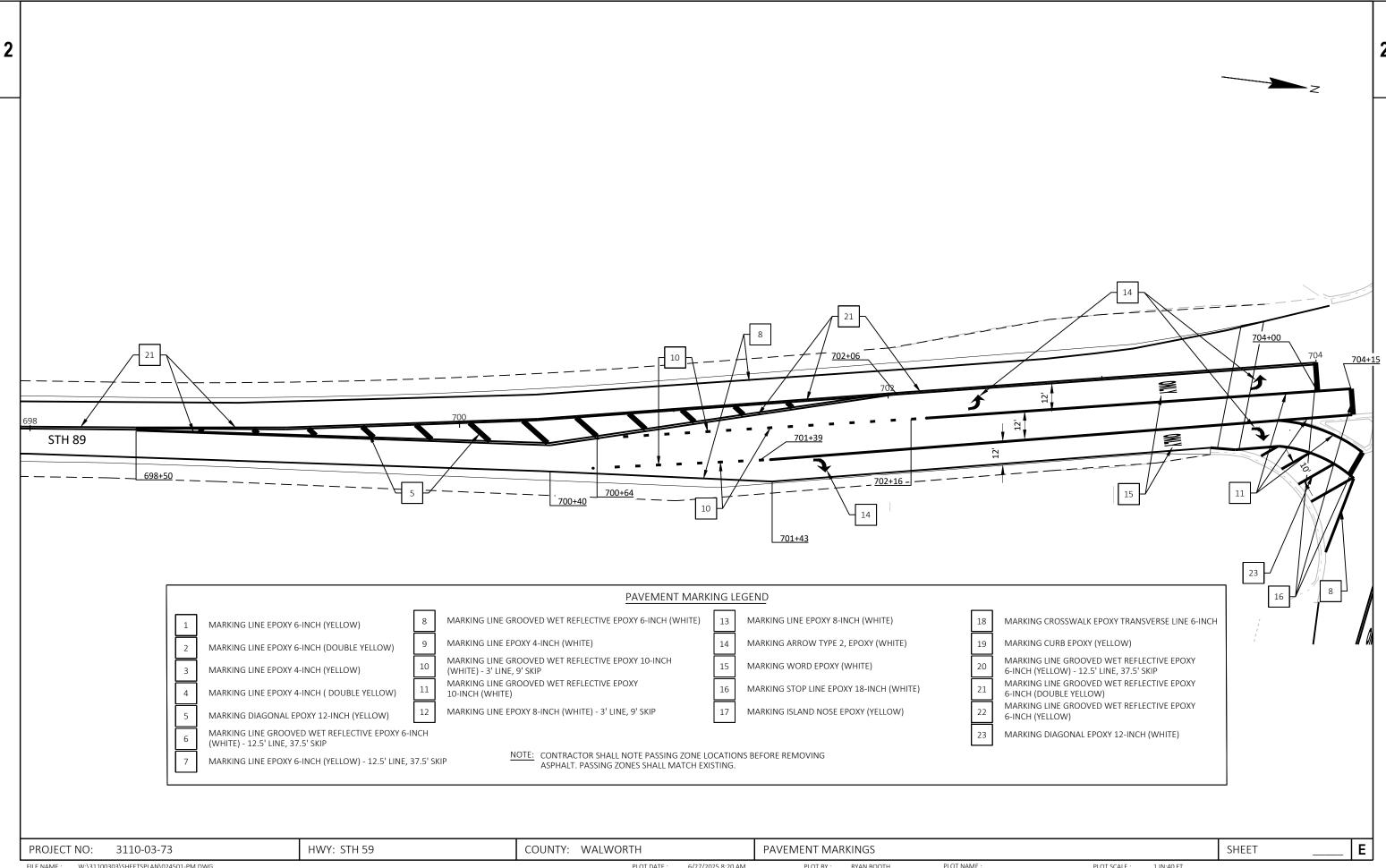
W:\31100303\SHEETSPLAN\024501-PM.DWG PLOT BY : RYAN BOOTH PLOT DATE: 6/27/2025 8:19 AM 1 IN:40 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 024510-PM



W:\31100303\SHEETSPLAN\024501-PM.DWG RYAN BOOTH PLOT BY: PLOT NAME: 6/27/2025 8:19 AM PLOT SCALE: 1 IN:40 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 024511-PM

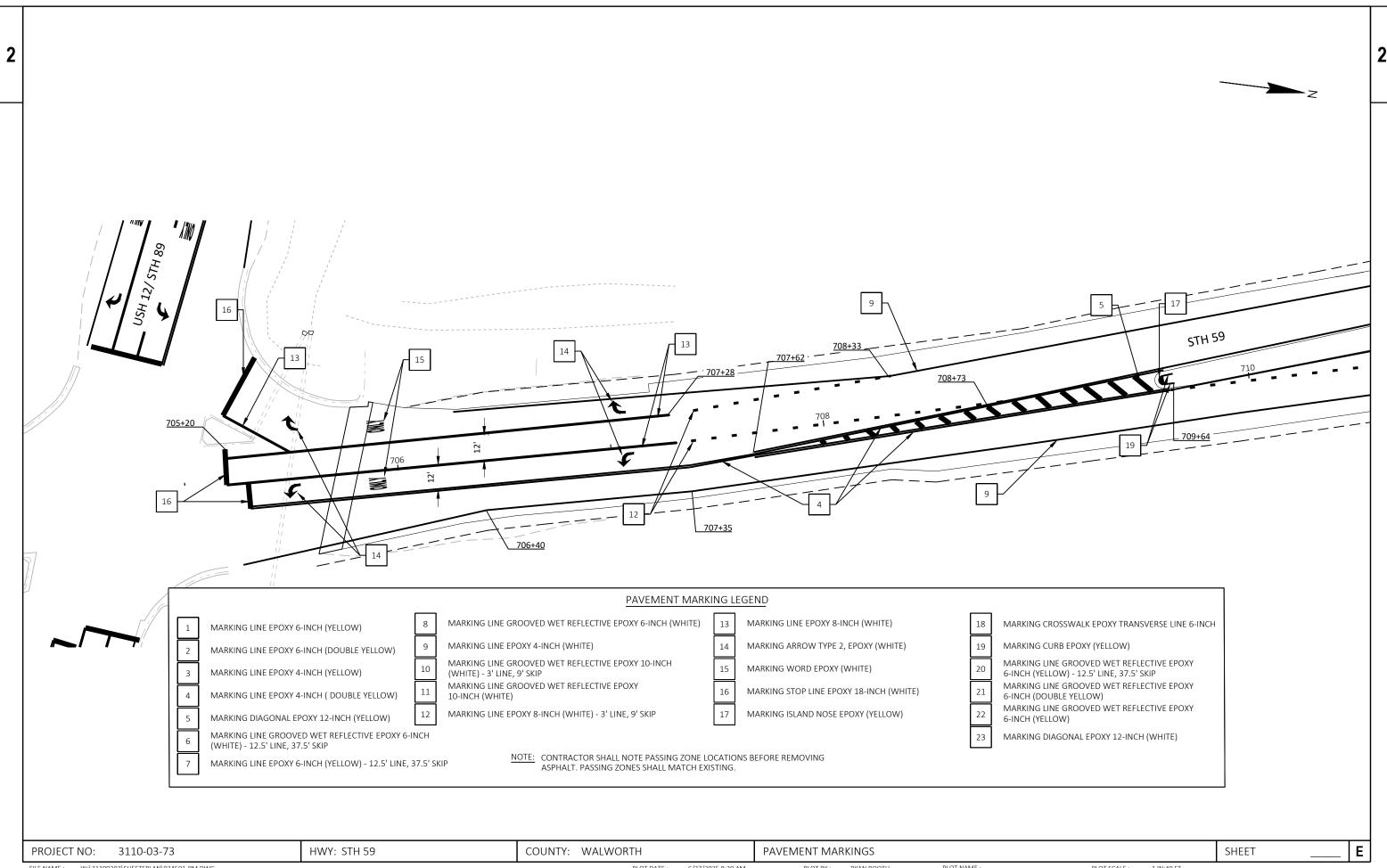


PLOT SCALE: WISDOT/CADDS SHEET 42 LAYOUT NAME - 024512-PM



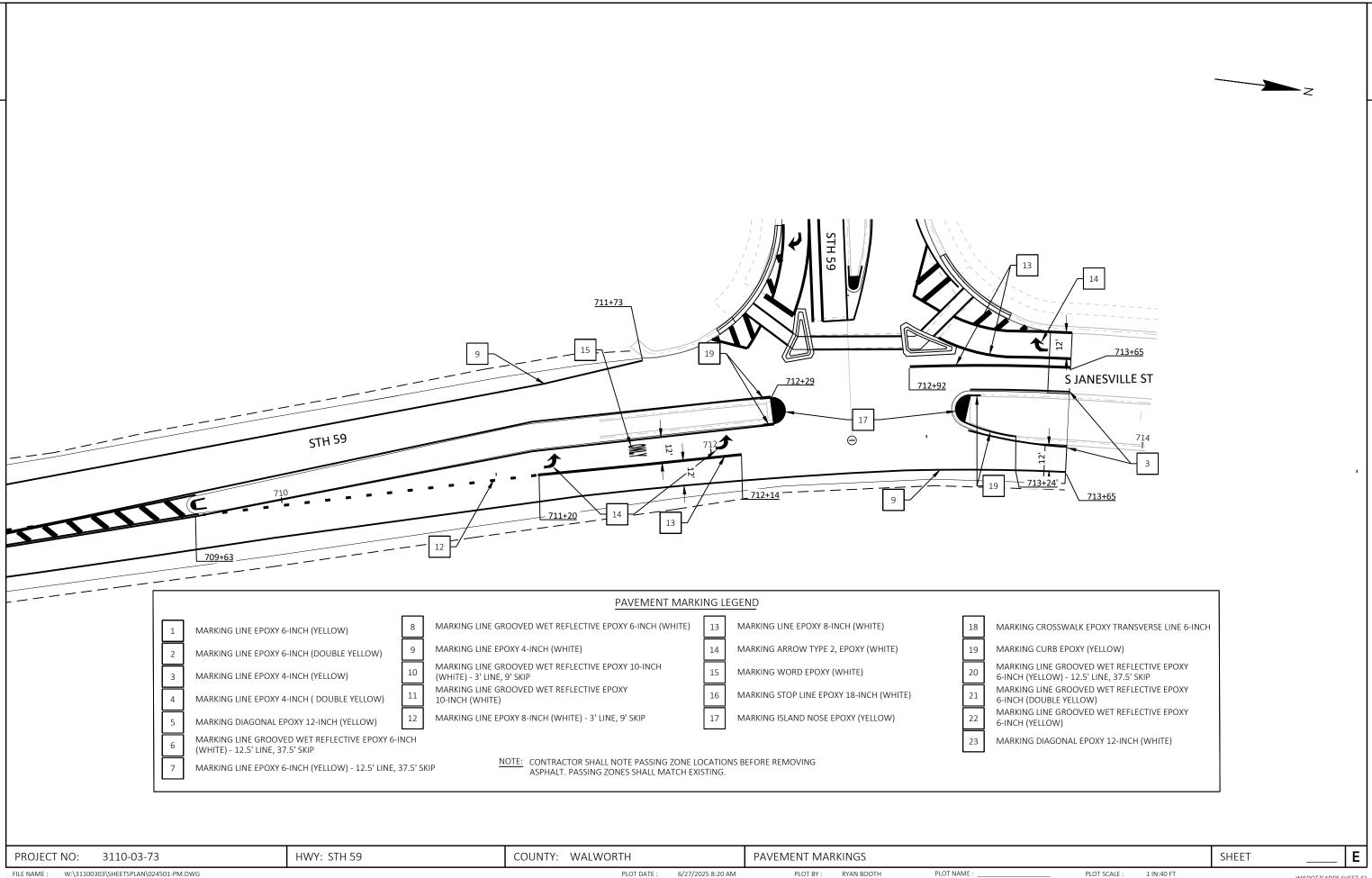
USH 12/ STH 89 USH 12/STH 59 PAVEMENT MARKING LEGEND MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) 13 MARKING LINE EPOXY 8-INCH (WHITE) 18 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH MARKING LINE EPOXY 6-INCH (YELLOW) 19 MARKING LINE EPOXY 4-INCH (WHITE) MARKING ARROW TYPE 2, EPOXY (WHITE) MARKING CURB EPOXY (YELLOW) MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW) MARKING LINE GROOVED WET REFLECTIVE EPOXY MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH 20 10 MARKING WORD EPOXY (WHITE) MARKING LINE EPOXY 4-INCH (YELLOW) 6-INCH (YELLOW) - 12.5' LINE, 37.5' SKIP (WHITE) - 3' LINE, 9' SKIP MARKING LINE GROOVED WET REFLECTIVE EPOXY MARKING LINE GROOVED WET REFLECTIVE EPOXY 21 11 MARKING STOP LINE EPOXY 18-INCH (WHITE) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) 10-INCH (WHITE) 6-INCH (DOUBLE YELLOW) MARKING LINE GROOVED WET REFLECTIVE EPOXY 22 12 MARKING LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' SKIP MARKING ISLAND NOSE EPOXY (YELLOW) MARKING DIAGONAL EPOXY 12-INCH (YELLOW) 6-INCH (YELLOW) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH 23 MARKING DIAGONAL EPOXY 12-INCH (WHITE) (WHITE) - 12.5' LINE, 37.5' SKIP NOTE: CONTRACTOR SHALL NOTE PASSING ZONE LOCATIONS BEFORE REMOVING MARKING LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' SKIP ASPHALT. PASSING ZONES SHALL MATCH EXISTING. PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH PAVEMENT MARKING SHEET

FILE NAME: W:\31100303\SHEETSPLAN\024501-PM.DWG PLOT DATE: 6/27/2025 8:20 AM PLOT BY: RYAN BOOTH PLOT NAME: PLOT NAME: 1 IN:40 FT WISDOT/CADDS SHEET 42
LAYOUT NAME - 024514-PM

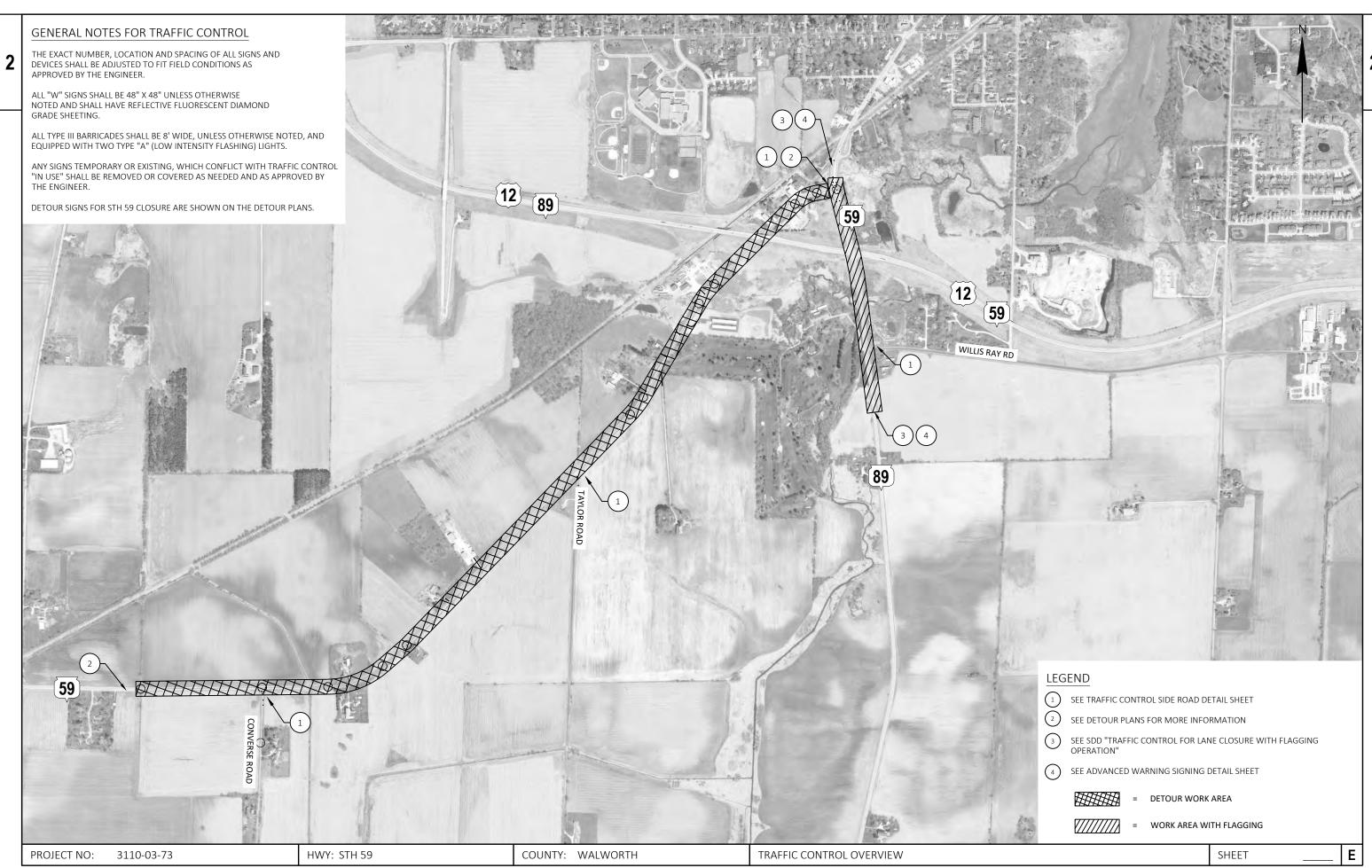


FILE NAME : W:\31100303\SHEETSPLAN\024501-PM.DWG PLOT DATE : 6/27/2025 8:20 AM PLOT BY : RYAN BOOTH PLOT NAME : _____ PLOT SCALE : 1 IN:40 FT WISDOT/CADDS SHEET 42

LAYOUT NAME - 024515-PM



6/27/2025 8:20 AM 1 IN:40 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 024516-PM



E NAME : W:\31100303\SHEETSPLAN\025100-TC.DWG PLOT DATE : 6/27/2025 8:20 AM PLOT BY : RYAN BOOTH PLOT NAME : _____ PLOT SCALE : Custom WISDOT/CADDS SHEET 42 LAYOUT NAME - 025100-TC

GENERAL NOTES FOR TRAFFIC CONTROL

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL "W" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLUORESCENT DIAMOND GRADE SHEETING.

ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

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.

DETOUR SIGNS FOR STH 59 CLOSURE ARE SHOWN ON THE DETOUR PLANS.

LEGEND

SIGN ON PERMANENT SUPPORT

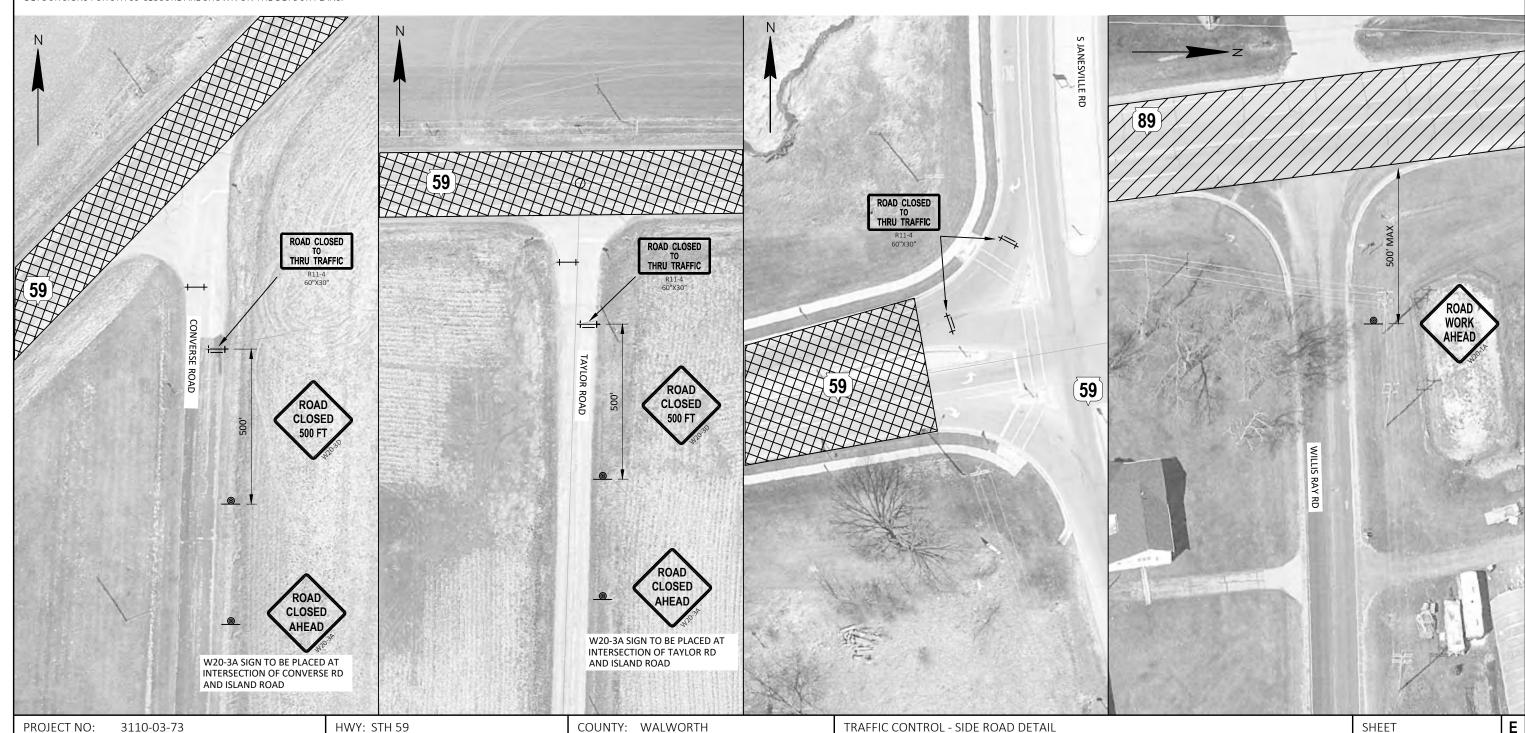
TRAFFIC CONTROL BARRICADE, TYPE III

TRAFFIC CONTROL BARRICADE, TYPE III WITH SIGN

= DETOUR WORK AREA

///////

= WORK AREA WITH FLAGGING



FILE NAME: W:\31100303\SHEETSPLAN\025100-TC.DWG

PLOT DATE: 6/27/2025 8:21 AM

PLOT BY: RYAN BOOTH

AME : _____

PLOT SCALE : 1 IN:50 FT

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL "W" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLUORESCENT DIAMOND GRADE SHEETING.

ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

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.

DETOUR SIGNS FOR STH 59 CLOSURE ARE SHOWN ON THE DETOUR PLANS.

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL BARRICADE, TYPE III

TRAFFIC CONTROL BARRICADE, TYPE III WITH SIGN

TRAFFIC CONTROL DRUM

= WORK AREA

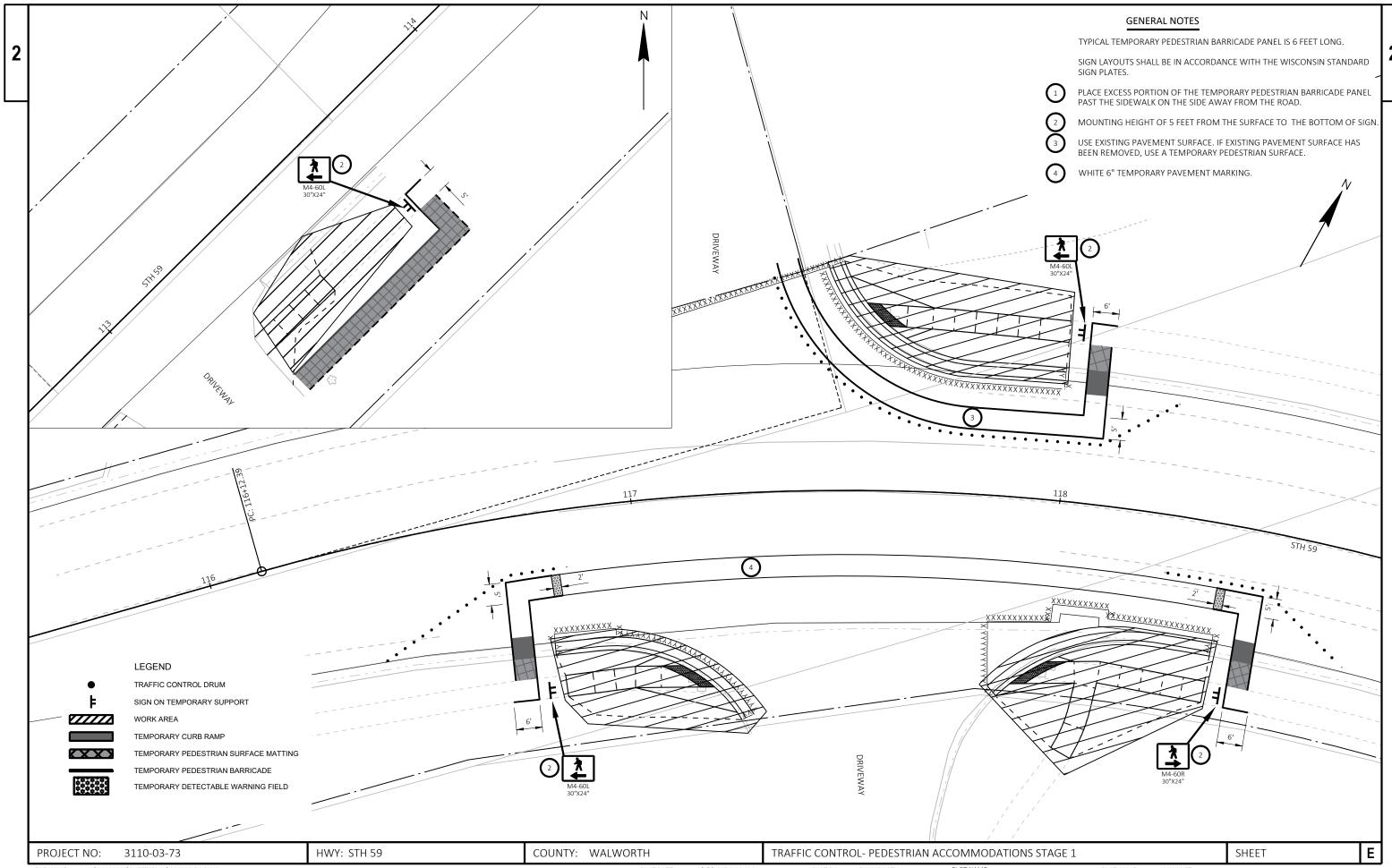


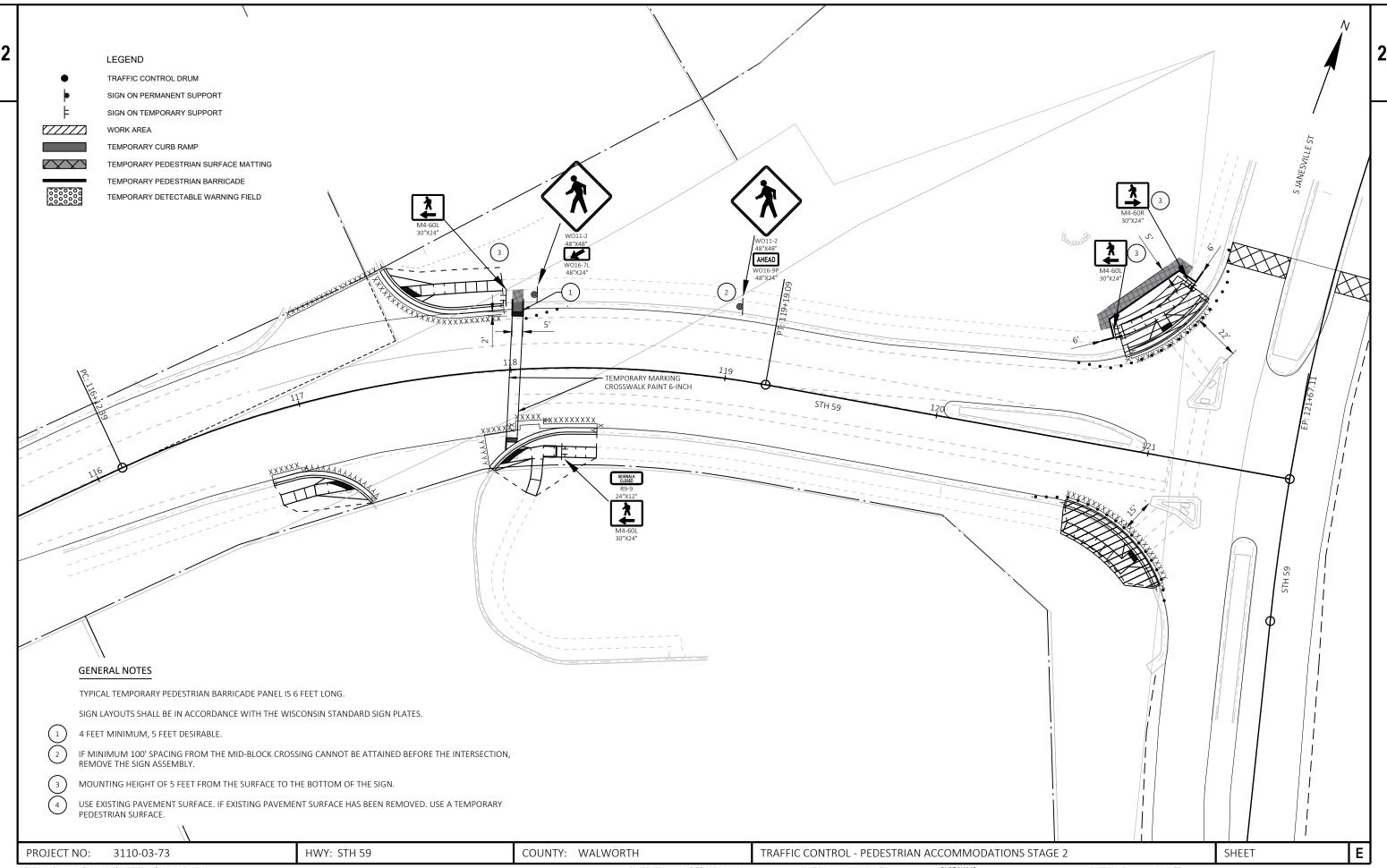
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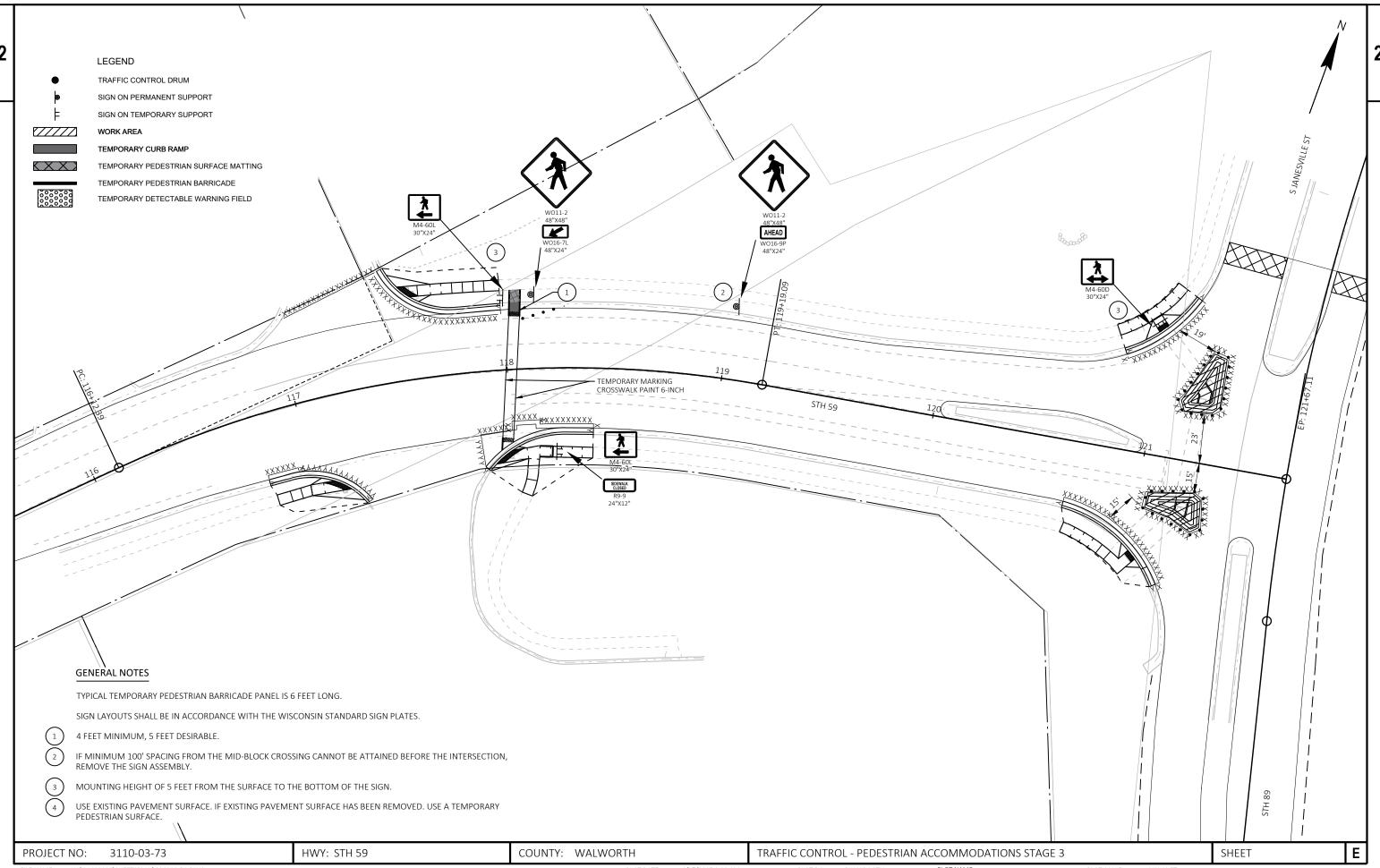
PLOT DATE:

RYAN BOOTH PLOT BY:

PLOT SCALE:







LEGEND

₩ / I

TYPE III BARRICADE WITH TYPA "A" WARNING LIGHTS

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

TYPE III BARRICADE WITH TYPE "A" WARNING LIGHTS AND ATTACHED SIGN

TRAFFIC CONTROL DRUM

FLASHING ARROW BOARD

SIGN ON PERMANENT SUPPORT (EXISTING)

SIGN ON PERMANENT SUPPORT (NEW)

DETOUR ROUTE



WORK AREA



FLAGGING AREA



NEW SIGN



EXISTING SIGN



EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL

PCMS

PORTABLE CHANGEABLE MESSAGE SIGN

GENERAL NOTES - DETOUR

STAGE 1 AND STAGE 3 HAVE THE SAME DETOUR ROUTE SETUP.

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS APPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

ALL "W" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLUORESCENT DIAMOND GRADE SHEETING.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME SIZE AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL "STOP" SIGNS THAT ARE REMOVED TO A CONSTUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.





+

DETOUR M4-8

59 **1**

DETOUR M4-8 West











EAST

—

DETOUR M4-8

WEST

<u>59</u>



EAST

<u>59</u>

1

DETOUR M4-8

WEST

<u>59</u>

P

(16)





END Detour



<u>59</u>

→

WEST

<u>59</u>

→





DETOUR













14

7

EAST

59



HWY 59 CLOSED AT WALWORTH CO LINE FOLLOW DETOUR

(SEE SIGN DETAIL)

ROAD CLOSED TO THRU TRAFFIC 00 MILES AHEAD



ROAD CLOSED THRU TRAFFIC

60"X30"











PROJECT NO: 3110-03-73

HWY: STH 59

COUNTY: WALWORTH

DETOUR STAGE 1 AND STAGE 3

PLOT BY:

SHEET

FILE NAME :

W:\31100303\SHEETSPLAN\027001-DT.DWG LAYOUT NAME - 027001-dt

PLOT DATE :

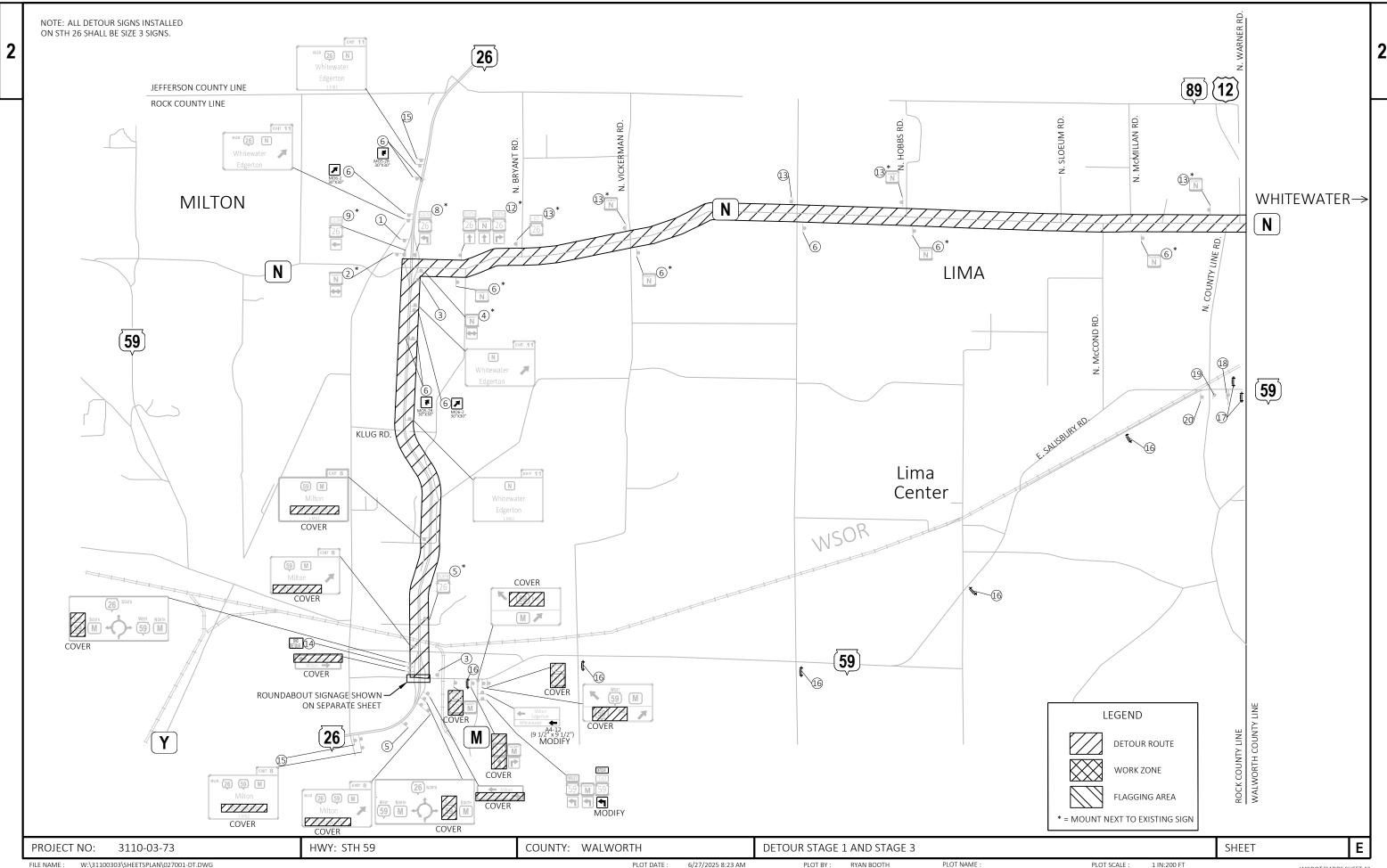
6/27/2025 8:23 AM

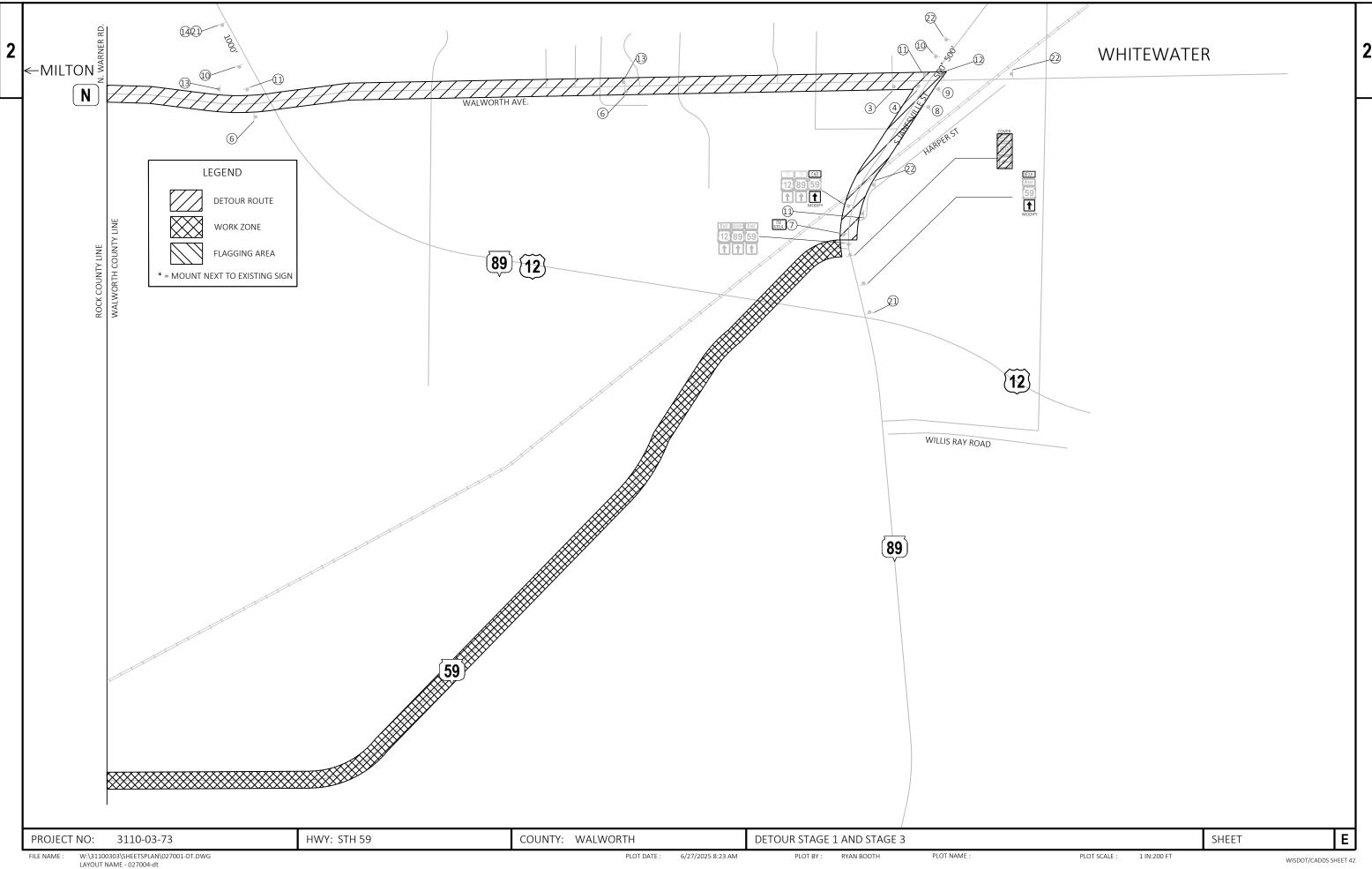
RYAN BOOTH

PLOT NAME :

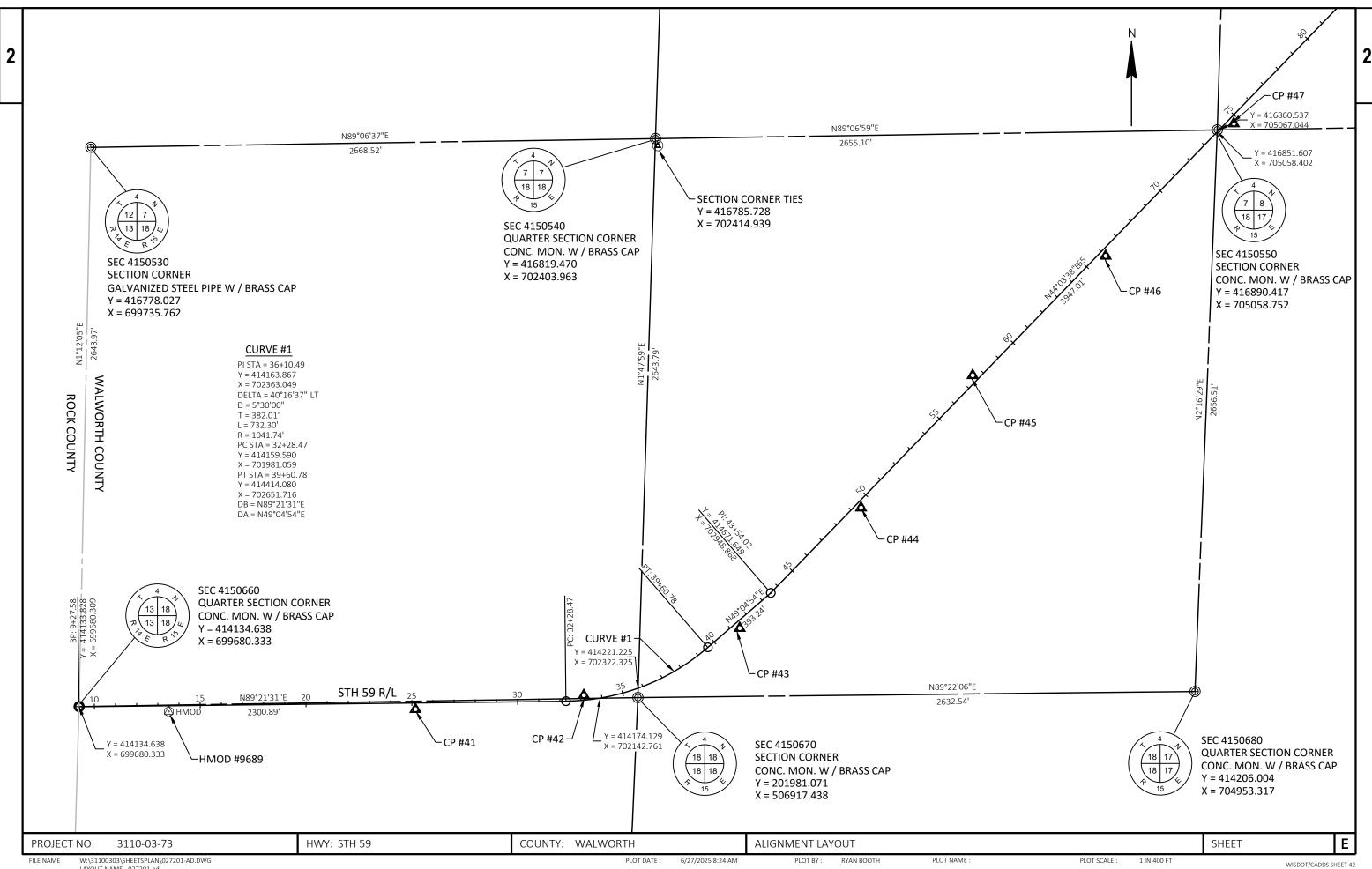
PLOT SCALE: 1 IN:200 FT

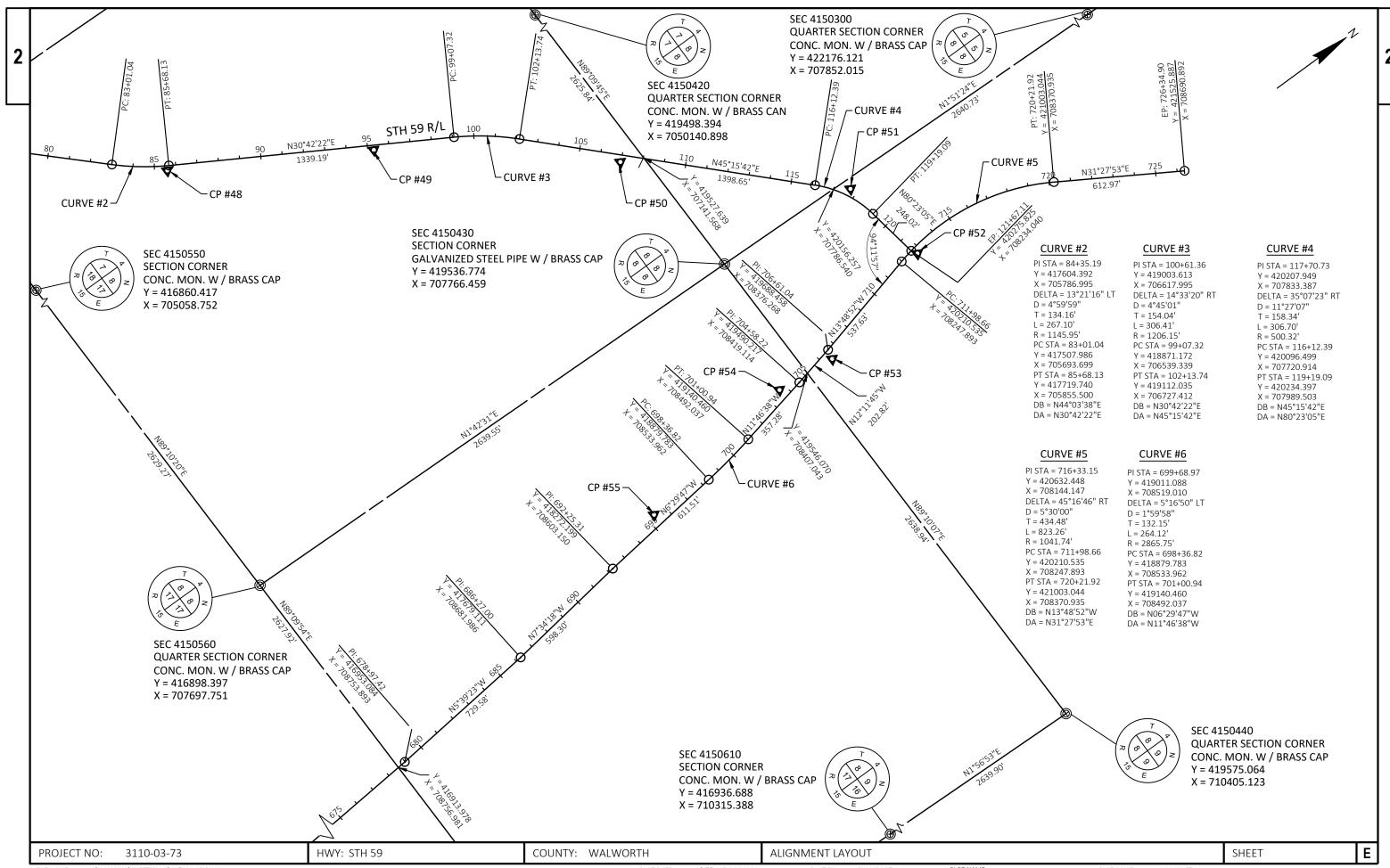
Ε



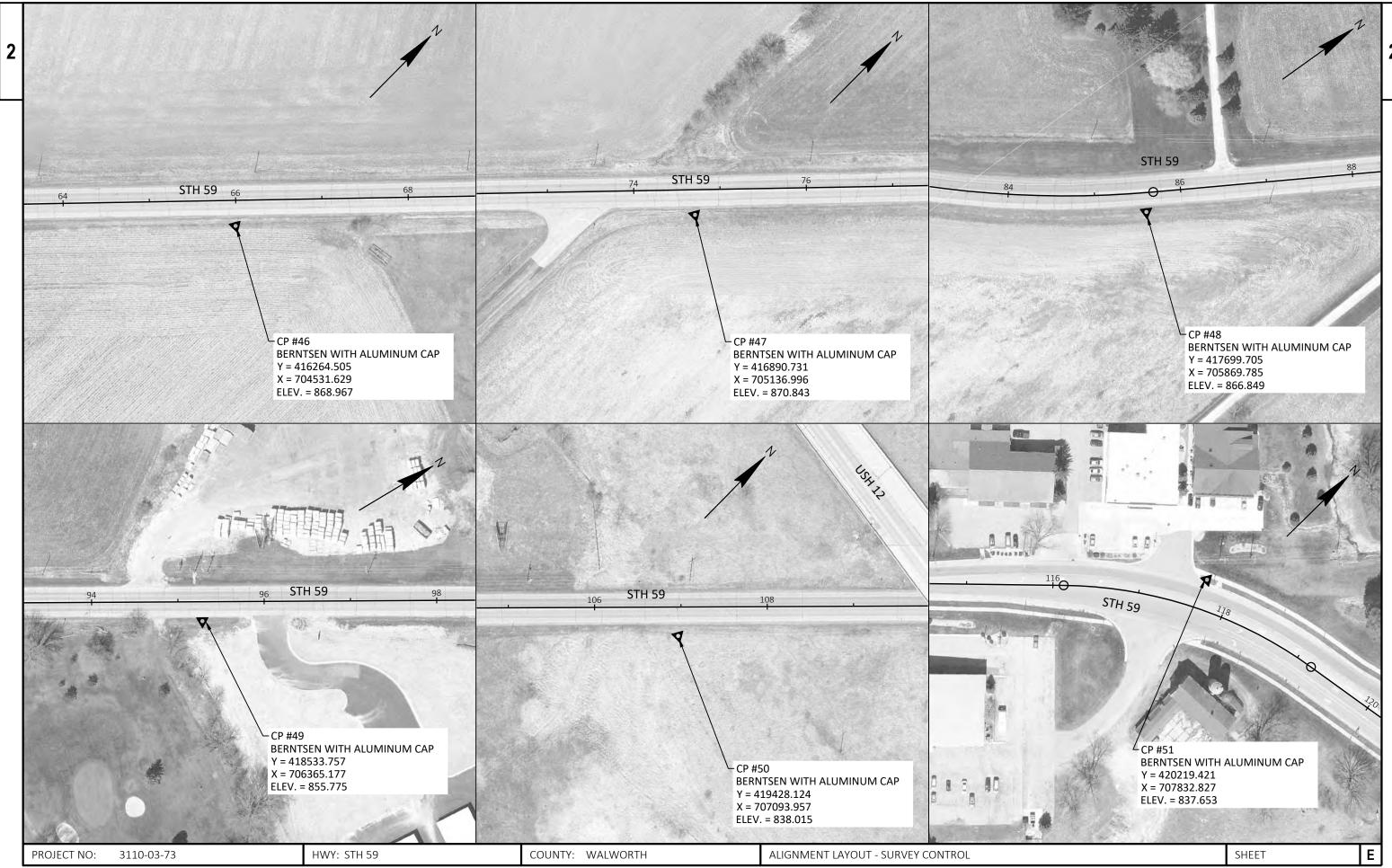




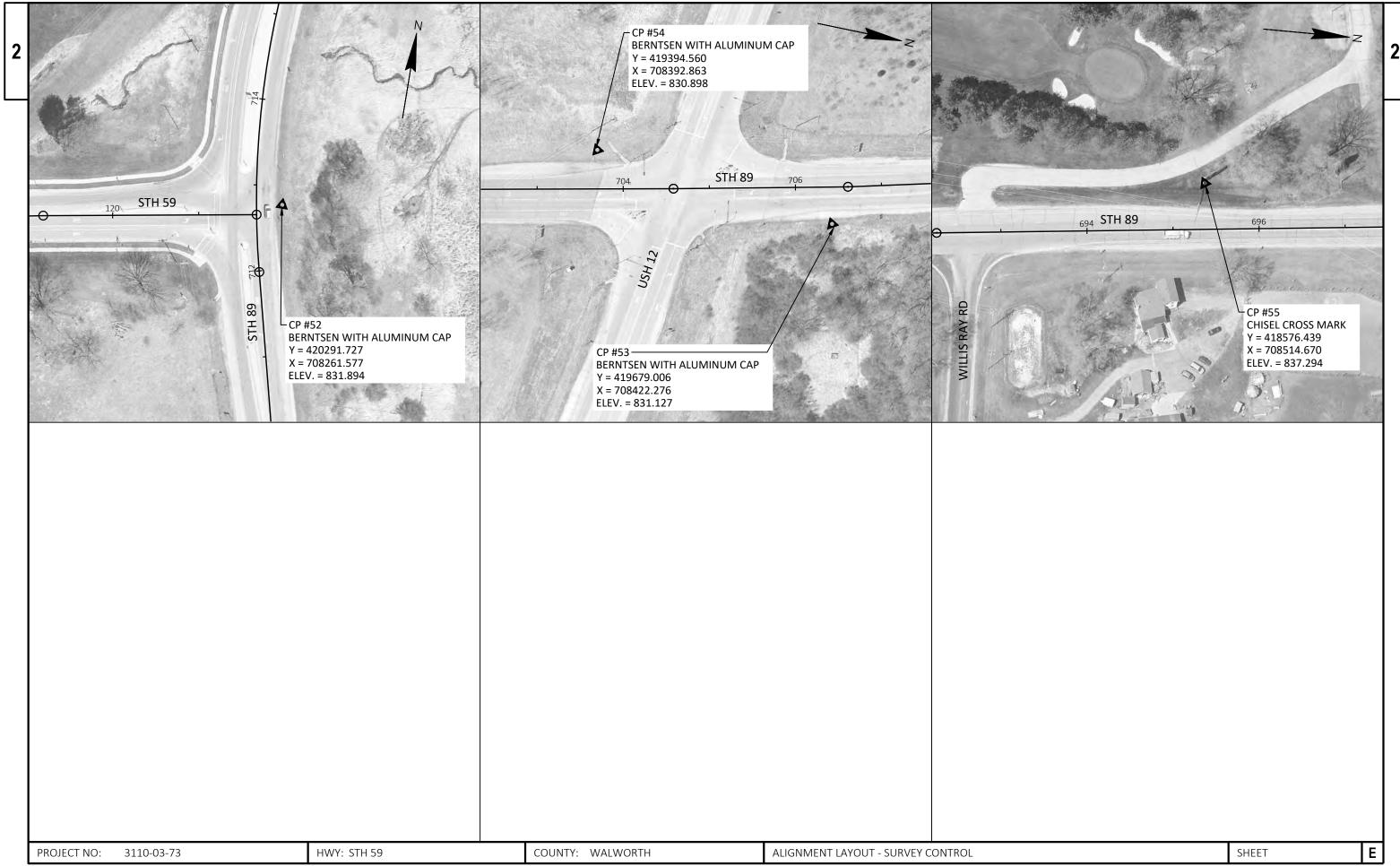








FILE NAME: W:\\31100303\\SHEETSPLAN\\027202-AD.DWG PLOT DATE: 6/27/2025 8:25 AM PLOT BY: RYAN BOOTH PLOT NAME: PLOT NAME: 1 In:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 027204-ad



W:\31100303\SHEETSPLAN\027202-AD.DWG LAYOUT NAME - 027205-ad PLOT BY: RYAN BOOTH FILE NAME : PLOT DATE : 6/27/2025 8:25 AM PLOT NAME : PLOT SCALE : 1 IN:100 FT

3110-03-73

					3110-03-73	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0110	Clearing	SY	59.000	59.000	
0004	201.0210	Grubbing	SY	59.000	59.000	
0006	204.0100	Removing Concrete Pavement	SY	200.000	200.000	
8000	204.0115	Removing Asphaltic Surface Butt Joints	SY	270.000	270.000	
0010	204.0120	Removing Asphaltic Surface Milling	SY	56,733.000	56,733.000	
0012	204.0150	Removing Curb & Gutter	LF	480.000	480.000	
0014	204.0155	Removing Concrete Sidewalk	SY	220.000	220.000	
0016	204.0195	Removing Concrete Bases	EACH	9.000	9.000	
0018	204.9060.S	Removing (item description) 01. Traffic Signals (USH 12/STH 59/89 & STH 59/89)	EACH	1.000	1.000	
0020	204.9060.S	Removing (item description) 02. Loop Detector Wire & Lead-in Cable (USH 12/STH 59/89 & STH 59/89)	EACH	1.000	1.000	
0022	205.0100	Excavation Common	CY	40.000	40.000	
0024	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 3110-03-73	EACH	1.000	1.000	
0026	213.0100	Finishing Roadway (project) 01. 3110-03-73	EACH	1.000	1.000	
0028	305.0110	Base Aggregate Dense 3/4-Inch	TON	600.000	600.000	
0030	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	70.000	70.000	
0032	415.0100	Concrete Pavement 10-Inch	SY	21.000	21.000	
0034	416.0610	Drilled Tie Bars	EACH	345.000	345.000	
0036	416.0620	Drilled Dowel Bars	EACH	180.000	180.000	
0038	416.1710	Concrete Pavement Repair	SY	45.000	45.000	
0040	416.1715	Concrete Pavement Repair SHES	SY	70.000	70.000	
0042	416.1720	Concrete Pavement Replacement	SY	280.000	280.000	
0044	416.1725	Concrete Pavement Replacement SHES	SY	300.000	300.000	
0046	455.0605	Tack Coat	GAL	6,289.000	6,289.000	
0048	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000	
0050	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000	
0052	460.2005	Incentive Density PWL HMA Pavement	DOL	8,770.000	8,770.000	
0054	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	5,470.000	5,470.000	
0056	460.2010	Incentive Air Voids HMA Pavement	DOL	10,010.000	10,010.000	
0058	460.5424	HMA Pavement 4 LT 58-28 H	TON	10,010.000	10,010.000	
0060	465.0110	Asphaltic Surface Patching	TON	38.000	38.000	
0062	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	7.000	7.000	
0064	465.0520	Asphaltic Rumble Strips, Shoulder	LF	19,620.000	19,620.000	
0066	465.0560	Asphaltic Rumble Strips, Centerline	LF	9,400.000	9,400.000	
0068	520.8700	Cleaning Culvert Pipes	EACH	1.000	1.000	
0070	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	2.000	2.000	
0072	601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF	15.000	15.000	
0074	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	112.000	112.000	
0076	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	72.000	72.000	
0078	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	15.000	15.000	
0800	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	381.000	381.000	
0082	601.0600	Concrete Curb Pedestrian	LF	27.000	27.000	
0084	602.0410	Concrete Sidewalk 5-Inch	SF	1,541.000	1,541.000	
0086	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	20.000	20.000	
8800	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	56.000	56.000	
0090	604.0400	Slope Paving Concrete	SY	220.000	220.000	
0092	604.9010.S	, , , , , , , , , , , , , , , , , , , ,	CY	2.000	2.000	
0094	604.9015.S	Reseal Crushed Aggregate Slope Paving	SY	460.000	460.000	
0096	606.0300	Riprap Heavy	CY	30.000	30.000	

3110-03-73

					3110-03-73	
Line	Item	Item Description	Unit	Total	Qty	
0098	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000	
0100	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000	
0102	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000	
0104	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	210.000	210.000	
0106	618.0100	Maintenance and Repair of Haul Roads (project) 01. 3110-03-73	EACH	1.000	1.000	
0108	619.1000	Mobilization	EACH	1.000	1.000	
0110	624.0100	Water	MGAL	13.000	13.000	
0112	625.0100	Topsoil	SY	180.000	180.000	
0114	627.0200	Mulching	SY	180.000	180.000	
0116	628.1504	Silt Fence	LF	224.000	224.000	
0118	628.1520	Silt Fence Maintenance	LF	224.000	224.000	
0120	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000	
0122	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0124	628.2004	Erosion Mat Class I Type B	SY	330.000	330.000	
0126	628.2006	Erosion Mat Urban Class I Type A	SY	230.000	230.000	
0128	628.7010	Inlet Protection Type B	EACH	6.000	6.000	
0130	628.7015	Inlet Protection Type C	EACH	1.000	1.000	
0132	628.7504	Temporary Ditch Checks	LF	48.000	48.000	
0134	629.0210	Fertilizer Type B	CWT	0.200	0.200	
0136	630.0120	Seeding Mixture No. 20	LB	9.000	9.000	
0138	630.0200	Seeding Temporary	LB	2.000	2.000	
0140	630.0500	Seed Water	MGAL	7.000	7.000	
0140	633.5200	Markers Culvert End	EACH	11.000	11.000	
0144	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	27.000	27.000	
0144	637.2210	Signs Type II Reflective H	SF	117.100	117.100	
0148	637.2230	Signs Type II Reflective F	SF	53.750	53.750	
0150	638.2102	Moving Signs Type II	EACH	5.000	5.000	
0150	638.2602	Removing Signs Type II	EACH	34.000	34.000	
0154	638.3000	Removing Small Sign Supports	EACH	27.000	27.000	
0154	642.5001		EACH	1.000	1.000	
0158	643.0300	Field Office Type B Traffic Control Drums	DAY	2,097.000	2,097.000	
			DAY			
0160	643.0420	Traffic Control Marriage Lights Type III		705.000	705.000	
0162	643.0705	Traffic Control Warning Lights Type A	DAY	1,410.000	1,410.000	
0164	643.0715	Traffic Control Warning Lights Type C	DAY	196.000	196.000	
0166		Connected Arrow Board	DAY	28.000	28.000	
0168	643.0900	Traffic Control Signs	DAY	10,402.000	10,402.000	
0170	643.0910	Traffic Control Covering Signs Type I	EACH	24.000	24.000	
0172	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000	
0174	643.1000	Traffic Control Signs Fixed Message	SF	162.000	162.000	
0176	643.1050	Traffic Control Signs PCMS	DAY	36.000	36.000	
0178		Connected Work Zone Start and End Location Markers	DAY	56.000	56.000	
0180	643.3105	Temporary Marking Line Paint 4-Inch	LF	2,030.000	2,030.000	
0182	643.3165	Temporary Marking Line Paint 6-Inch	LF	19,880.000	19,880.000	
0184	643.3305	Temporary Marking Crosswalk Paint 6-inch	LF	414.000	414.000	
0186	643.5000	Traffic Control	EACH	1.000	1.000	
0188	644.1440	Temporary Pedestrian Surface Matting	SF	715.000	715.000	
0190	644.1601	Temporary Pedestrian Curb Ramp	DAY	50.000	50.000	
0192	644.1605	Temporary Pedestrian Detectable Warning Field	SF	60.000	60.000	
0194	644.1810	Temporary Pedestrian Barricade	LF	668.000	668.000	

3110-03-73

					3110-03-73	
Line	Item	Item Description	Unit	Total	Qty	
0196	645.0120	Geotextile Type HR	SY	80.000	80.000	
0198	646.1020	Marking Line Epoxy 4-Inch	LF	8,510.000	8,510.000	
0200	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	41,720.000	41,720.000	
0202	646.3020	Marking Line Epoxy 8-Inch	LF	1,810.000	1,810.000	
0204	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	1,470.000	1,470.000	
0206	646.5020	Marking Arrow Epoxy	EACH	29.000	29.000	
0208	646.5120	Marking Word Epoxy	EACH	17.000	17.000	
0210	646.6120	Marking Stop Line Epoxy 18-Inch	LF	244.000	244.000	
0212	646.7120	Marking Diagonal Epoxy 12-Inch	LF	360.000	360.000	
0214	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	190.000	190.000	
0216	646.8120	Marking Curb Epoxy	LF	70.000	70.000	
0218	646.8220	Marking Island Nose Epoxy	EACH	5.000	5.000	
0220	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	610.000	610.000	
0222	650.7000	Construction Staking Concrete Pavement	LF	67.000	67.000	
0224	650.8000	Construction Staking Resurfacing Reference	LF	13,668.000	13,668.000	
0226	650.9000	Construction Staking Curb Ramps	EACH	6.000	6.000	
0228	650.9911	Construction Staking Supplemental Control (project) 01. 3110-03-73	EACH	1.000	1.000	
0230	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,499.000	1,499.000	
0232	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	882.000	882.000	
0234	652.0615	Conduit Special 3-Inch	LF	775.000	775.000	
0236	652.0800	Conduit Loop Detector	LF	1,918.000	1,918.000	
0238	653.0135	Pull Boxes Steel 24x36-Inch	EACH	7.000	7.000	
0240	653.0140	Pull Boxes Steel 24x42-Inch	EACH	12.000	12.000	
0242	653.0905	Removing Pull Boxes	EACH	20.000	20.000	
0244	654.0101	Concrete Bases Type 1	EACH	4.000	4.000	
0246	654.0113	Concrete Bases Type 13	EACH	2.000	2.000	
0248	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000	
0250	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000	
0252	655.0230	Cable Traffic Signal 5-14 AWG	LF	488.000	488.000	
0254	655.0240	Cable Traffic Signal 7-14 AWG	LF	392.000	392.000	
0256	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,317.000	2,317.000	
0258	655.0320	Cable Type UF 2-10 AWG Grounded	LF	884.000	884.000	
0260	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,157.000	2,157.000	
0262	655.0610	Electrical Wire Lighting 12 AWG	LF	576.000	576.000	
0264	655.0700	Loop Detector Lead In Cable	LF	5,835.000	5,835.000	
0266	655.0800	Loop Detector Wire	LF	6,852.000	6,852.000	
0268	655.0900	Traffic Signal EVP Detector Cable	LF	1,312.000	1,312.000	
0270	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. USH 12/STH 59/89 & STH 59/89	EACH	1.000	1.000	
0272	657.0100	Pedestal Bases	EACH	4.000	4.000	
0274	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000	
0276	658.0173	Traffic Signal Face 3S 12-Inch	EACH	12.000	12.000	
0278	658.0174	Traffic Signal Face 4S 12-Inch	EACH	8.000	8.000	
0280	658.5070	Signal Mounting Hardware (location) 01. USH 12/STH 59/89 & STH 59/89	EACH	1.000	1.000	
0282	659.1125	Luminaires Utility LED C	EACH	4.000	4.000	
0284	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	21.000	21.000	
0286	661.0201	Temporary Traffic Signals for Intersections (location) 01. USH 12/STH 59/89 & STH 59/89	EACH	1.000	1.000	
0288	661.0300	Generators	DAY	1.000	1.000	

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				0110 00 10
Line Item	Item Description	Unit	Total	Qty
0290 677.0200	Install Camera Assembly	EACH	1.000	1.000
0292 690.0150	Sawing Asphalt	LF	805.000	805.000
0294 690.0250	Sawing Concrete	LF	2,080.000	2,080.000
0296 740.0440	Incentive IRI Ride	DOL	10,360.000	10,360.000
0298 ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	400.000	400.000
0300 ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	900.000	900.000
0302 SPV.0060	Special 01. Section Corner Monuments	EACH	2.000	2.000
0304 SPV.0060	Special 02. Install Poles Type 10 Special	EACH	2.000	2.000
0306 SPV.0060	Special 03. Install Poles Type 13 OH	EACH	2.000	2.000
0308 SPV.0060	Special 04. Install Monotube Arms 45-ft Type 9/10 Special Pole	EACH	2.000	2.000
0310 SPV.0060	Special 05. Install Monotube Arms 40-ft Type 12/13 OH Pole	EACH	1.000	1.000
0312 SPV.0060	Special 06. Install Monotube Arms 45-ft Type 12/13 OH Pole	EACH	1.000	1.000
0314 SPV.0060	Special 07. Install Luminaire Arms Steel 15-ft	EACH	4.000	4.000
0316 SPV.0060	Special 08. Transport & Install State Furnished Traffic Signal Cabinet USH 12/STH 59/89	EACH	1.000	1.000
0318 SPV.0060	Special 09. Temporary Infrared Emergency Vehicle Preemption System USH 12/STH 59/89 & ST	EACH	1.000	1.000
0320 SPV.0060	Special 10. Transport and Install State Furnished Radar Detect System USH 12/STH 59/89 &	EACH	1.000	1.000
0322 SPV.0060	Special 11. Transport Traffic Signal & Intersection Lighting Materials USH 12/STH 59/8	9 EACH	1.000	1.000
0324 SPV.0060	Special 12. Transport & Install State Furnished EVP Detector Heads USH 12/STH 59/8 & ST	9 EACH	1.000	1.000
0326 SPV.0060	Special 13. Cleaning Inlets	EACH	1.000	1.000
0328 SPV.0060	Special 14. Grading, Shaping, Finishing Driveway Removal	EACH	1.000	1.000
0330 SPV.0060	Special 15. Curb Ramp Grading, Shaping and Finishing	EACH	6.000	6.000
0332 SPV.0060	Special 16. Wing Grading, Shaping and Finishing	EACH	1.000	1.000
0334 SPV.0060	Special 17. Adjusting Water Valve Boxes	EACH	2.000	2.000
0336 SPV.0180	Special 01. Resin Binder High Friction Surface Treatment	SY	5,100.000	5,100.000
0338 SPV.0195	Special 01. Asphaltic Repair	TON	333.000	333.000

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CATEGORY 1000 1000 1000 1000 1000 1000	9+27 - 686+45 - 703+61 - 705+71 - 713+55 - 713+55 -	9+37 686+55 703+71 705+81 713+65 713+65	LOCATION STH 59 STH 89 STH 59 STH 59 STH 59 TOTAL 100		204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY 38 34 69 79 19 31 270	REMARKS	CATEGORY 1000 1000 1000 1000	9+27 9+27 9+27 686+45 686+45	TO	STATION 121+30 112+90 713+65 703+71	LOCATION STH 59 STH 59 STH 89/59 STH 89 TOTAL 1000	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY 33,143 11,129 11,551 910 56,733	REMARKS MAINLINE, 3.5" DEPTH SHOULDERS, 1.75" DEPTH MAINLINE, 3.5" DEPTH SHOULDERS, 1.75" DEPTH
						204 CONCRETE REMOVA	<u>.s</u>						
	CATECODY	e	ATION TO	CTATION	LOCATION	204.0100 REMOVING CONCRETI PAVEMENT	REMOVING CU	JRB & GUTTER	204.0155 REMOVING COI SIDEWAL	ICRETE	DEMARKS		
	CATEGORY		ATION TO 13+21 -	STATION 113+67	LOCATION RT	SY -		F 6	SY 28		REMARKS	_	
	1000 1000 1000	1	13+21 - 16+77 - 17+51 -	115+67 117+22 118+32	RT LT	- 27 -	5	0	19 26				
	1000 1000 1000	1	17+89 - 20+51 -	118+41 121+30	RT LT	23	5	3 33	30 62				
	1000	1	20+67 - 21+18 -	121+30 121+84	RT RT	-	5	7	36 11			_	
	1000 1000	1	21+13 - 03+70 -	121+29 704+40	LT RT	- 150		4	8 -		REPLACE RT TURN LANE		
		CATEGORY	STATION	ТО	STATION	EXCAV LOCATION	205.0100 ATION COMMON CY		REMARKS				
		2000	109+67	_	110+71	LT	20	EXCAVATION FOR ASPI	HALT REMOVAL	IN FRONT OF CURB AND	_		
		2000	109+96	-	111+02	RT TOTAL 2000	20 40		HALT REMOVAL	IN FRONT OF CURB AND			
					<u>305</u>	BASE AGG DENSE SUMMARY							
		CATECORY	STATION	TO	STATION		305.0110 E AGGREGATE DENSE 3/4-INCH	305.0120 BASE AGGREGATE 1/4-INCH	DENSE 1	624.0100 WATER	DEMARK	c	
		CATEGORY 1000	STATION 9+27	TO	STATION 112+90	LOCATION STH 59	TON 224	TON -		MGAL 4	REMARK SHOULDE		
		1000	5127	-		TH 59/89 USH 12	-	18		1	SIGNAL LOOP BA		
		1000	686+45	-	713+65	STH 89/59 TOTAL 1000	380 600				SHOULDE	RS	
		2000	109+72	-	110+70	STH 59, LT	-	26		1	CURB AND G		
		2000	109+99	-	110+98	STH 59, RT TOTAL 2000	0	<u>26</u> 52		1	CURB AND G	JTTER	

PROJECT NO: 3110-03-73	HWY: STH 59	COUNTY: WALWORTH		MISCELLANEOUS	S QUANTITIES				SHEET		Ε
FILE NAME : W:\31100303\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030201-mq		PLOT DATE :	6/27/2025 8:25 AM	PLOT BY :	RYAN BOOTH	PLOT NAME :	PLOT SCALE :	1" = 1'		WISDOT/CADDS SH	EET 42

416 CONCRETE PAVEMENT SUMMARY

					415.0100	416.0610	416.0620	416.1710	416.1715	416.1720	416.1725	
					CONCRETE PAVEMENT 10-INCH	DRILLED TIE BARS	DRILLED DOWEL BARS	CONCRETE PAVEMENT REPAIR	CONCRETE PAVEMENT REPAIR SHES	CONCRETE PAVEMENT REPLACEMENT	CONCRETE PAVEMENT REPLACEMENT SHES	
CATEGORY	STATION	TO	STATION	LOCATION	SY	EACH	EACH	SY	SY	SY	SY	REMARKS
1000	117+89	-	118+41	RT	21	25	12	-	-	-	-	
1000	121+18	-	121+84	RT	-	-	-	-	-	-	-	
1000	121+13	-	121+29	LT	-	-	-	-	-	-	-	
1000	703+70	-	704+40	RT	-	76	30	-	-		150	TURN LANE
1000	703+64		704+34		-	66	19	-	-	70	80	SIGNAL LOOP PATCHES
1000	705+06	-	705+79	LT & RT	-	78	19	-	-	110	70	SIGNAL LOOP PATCHES
1000	L	JSH 12/STH 5	9		-	44	50	16	-	100	-	SIGNAL LOOP PATCHES
1000	L	JSH 12/STH 8	9		-	56	50	29	70	-	-	SIGNAL LOOP PATCHES
				TOTAL 1000	21	345	180	45	70	280	300	_

460 ASPHALTIC PAVEMENT ITEMS

	SPV.0195.01	465.0560	465.0520	465.0120	465.0110	460.5424	455.0605	211.0101.01						
	SPECIAL (01. ASPHALTIC REPAIR)	ASPHALTIC RUMBLE STRIPS, CENTERLINE	ASPHALTIC RUMBLE STRIPS, SHOULDER	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	ASPHALTIC SURFACE PATCHING	HMA PAVEMENT 4 LT 58-28 H	TACK COAT	PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) (01. 3110-03-73)						
REMARKS	TON	LF	LF	TON	TON	TON	GAL	EACH	LOCATION		STATION	TO	STATION	CATEGORY
							. =							
MAINLINE	-	8,540	16,200	-	-	7,620	4,760	-	STH 59		121+70	-	9+27	1000
MAINLINE PATCH	55	-	-	-	-	-	12	-	STH 59	RT	115+00	-	114+02	1000
MAINLINE PATCH	37	-	-	-	-	-	8	-	STH 59	LT	115+00	-	114+17	1000
MAINLINE PATCH	109	-	-	-	-	-	23	-	STH 59	RT	118+01	-	116+70	1000
CURB RAMP	-	-	-	-	2	-	-	-	STH 59	RT	116+93	-	116+78	1000
DRIVEWAY	-	-	-	7	-	-	8	-	STH 59	LT	117+55	-	117+03	1000
CURB RAMP	-	-	-	-	5	-	-	-	STH 59	LT	117+99	-	117+46	1000
CURB RAMP	-	-	-	-	2	-	-	-	STH 59	RT	118+41	-	118+26	1000
CURB RAMP	-	-	-	-	10	-	-	-	STH 59	LT	121+23	-	120+23	1000
CURB RAMP	-	-	_	-	5	-	-	-	STH 59	RT	121+16	-	120+67	1000
CURB RAMP	-	-	-		6	-	-	-	STH 59	RT	121+32	-	121+03	1000
CURB RAMP	-	-	-	-	7	-	-	-	STH 89	LT	121+31	-	121+11	1000
MAINLINE	-	860	2,350	-	-	1,420	865	-	STH 89		703+71	-	686+45	1000
SIGNAL LOOP PATCH	8							-	STH 89	RT	703+80	_	699+50	1000
MAINLINE PATCH	19	-	-	_	-	_	4	_	STH 89	RT	703+30	_	702+70	1000
MAINLINE	-	-	1,070	-	-	970	585	-	STH 59		713+65	-	705+71	1000
SIGNAL LOOP PATCH	3	-	-	-	-	-	-	-	STH 59	LT	707+85	-	707+67	1000
MAINLINE PATCH	12	-	_	-	-	-	3	-	STH 59	RT	710+18	-	709+90	1000
MAINLINE PATCH	27	-	-	_	-	_	6	_	STH 59	RT	711+19	_	710+50	1000
MAINLINE PATCH	25	-	-	_	-	_	5	_	STH 59	IT	711+29	_	710+74	1000
MAINLINE PATCH	22	-	-		-	-	5	-	STH 59	RT	711+92	-	711+35	1000
PATCH SIGNAL CONDUIT					1				ISLAND		705+75	_	703+75	1000
STH 59/ STH 89		_	_		-	_	_	1	PROJECT				,	1000
PROJECT	16	-	-	_	-	_	5	-	UNDISTRIBUTED					1000
, nester	333	9,400	19,620	7	38	10,010	6,289	1	TOTAL 1000					2300

HWY: STH 59 SHEET E COUNTY: WALWORTH MISCELLANEOUS QUANTITIES PROJECT NO: 3110-03-73 FILE NAME : W:\31100303\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030202-mq PLOT DATE : 6/27/2025 8:25 AM PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : 1" = 1'

100 70 T 1 2 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1	1	1	1	1	90 7 T TALEON 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TAL 1000 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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TAL 1009 1	TALION 1 1 2 1 2 1 2 1 2 2	TALE DOT	Table 1	Table 1	Table Tabl	TTAL 1000 1 2
State Stat	State Stat	Part			State Stat	O 1 UB UTT AD UB AMPS 10103 0101 010 010 0107 01000 0010 000 000 T UB UTT
State Stat	State Stat	Part			State Stat	O 1 UB UTT AD UB AMPS 10103 0101 010 010 0107 01000 0010 000 000 T UB UTT
State Stat	State Stat	Part			State Stat	O 1 UB UTT AD UB AMPS 10103 0101 010 010 0107 01000 0010 000 000 T UB UTT
THE PROPERTY THE	100 101	THE UT T			100	O1013 0101 010 010 0107 01000 0010 000 000 00
THE PROPERTY THE	100 101	THE UT T			100	O1013 0101 010 010 0107 01000 0010 000 000 00
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THE PROPERTY THE	100 101	THE UT T			100	O1013 O101 O10 O10 O107 O1000 O010 O00 O00 T UB UTT T UB UTT T UB UTT T UB UTT -IH SLPD 30-IH -IH SLPD 30-IH T UB UTT -IH SLPD 3-IH T UB UTT TP TP ITAL 30-IH TP D PDSTIA IH LLW AT STATI T STATI LATI LATI L L L L L S S S S MAS
THE PROPERTY THE	100 101	THE UT T			100	O1013 O101 O10 O10 O107 O1000 O010 O00 O00 T UB UTT T UB UTT T UB UTT T UB UTT -IH SLPD 30-IH -IH SLPD 30-IH T UB UTT -IH SLPD 3-IH T UB UTT TP TP ITAL 30-IH TP D PDSTIA IH LLW AT STATI T STATI LATI LATI L L L L L S S S S MAS
THE PROPERTY THE	100 101	THE UT T			100	O1013 O101 O10 O10 O107 O1000 O010 O00 O00 T UB UTT T UB UTT T UB UTT T UB UTT -IH SLPD 30-IH -IH SLPD 30-IH T UB UTT -IH SLPD 3-IH T UB UTT TP TP ITAL 30-IH TP D PDSTIA IH LLW AT STATI T STATI LATI LATI L L L L L S S S S MAS
THE PROPERTY THE	100 101	THE COLOR THE			100	O 1013 O 101 O 100 O 107 O 1000 O 100 O 0 0 0 0 0 0 0 0 0 0 0 0
THE PROPERTY THE	100 101	THE COLOR THE			100	O 1013 O 101 O 100 O 107 O 1000 O 100 O 0 0 0 0 0 0 0 0 0 0 0 0
THE PROPERTY THE	100 101	THE COLOR THE			100	O 1013 O 101 O 100 O 107 O 1000 O 100 O 0 0 0 0 0 0 0 0 0 0 0 0
THE PROPERTY THE	100 101	THE COLOR THE			100	O 1013 O 101 O 100 O 107 O 1000 O 100 O 0 0 0 0 0 0 0 0 0 0 0 0
THE PROPERTY THE	100 101	THE COLOR THE			1	O1013 0101 010 010 0107 01000 0010 000 000 T UB UTT T UB UTT T UB UTT T UB UTT -IH SLPD 30-IH -IH SLPD 30-IH T UB UTT TP TP T T TAL 30-IH T D TP D TO THE STATE TO THE SLEW T S S S MAS TO STATE T STATE LATE STATE LATE STATE S
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THE PROPERTY THE	THE UT T	THE PROPERTY THE	THE PROPERTY THE	THE PROPERTY THE	Tubut	T UB UTT T U
1						-IH SLPD 30-IH -IH SLPD 30-IH T UB UTT -IH SLPD 3-IH T UB T SIDWAL UB AMP DTTABL WAI ILD WAI ILD ADIAL TP TP ITAL 30-IH TP D PDSTIA -IH LLW LLW AT STATI T STATI LATI L L L L L L S S S S MAS
1						-IH SLPD 30-IH -IH SLPD 30-IH T UB UTT -IH SLPD 3-IH -IH SLPD 3-IH T UB T SIDWAL UB AMP DTTABL WAI ILD WAI ILD ADIAL TP TP ITAL 30-IH TP D TP A TP D PDSTIA -IH LLW LW AT STATI T STATI LATI LATI L L L L L S S S S MAS
TP TP ITALSOHITPS TP TRAISOHITPS TP	TP STAT T STAT	TO STAT T STAT A	P	P	Fig.	TP TP ITAL 30-IH TP D TPA TP D PDSTIA -IH LLW LLW AT STATI T STATI LATI L L L L L S S S MAS
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100	100	100	100	100	1000 17	
100	100 17 - 111 T - 17 - 195 - 0 - 100 100 107 - 110 LT -	100 17 - 111 T - - 17 - 295 - 0 - 100 100 107 - 110 LT - - - - 37 - 38 - 70 10 -	100 17 - 111 T - - - 17 - 295 - 0 -	100 17 - 111 T - - - 17 - 295 - 0 -	100	1000 1177 - 117 T - 3 117 T - 12 17 T - 1 17 T -
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100	100 107 108 119 119 119 129 130	100 107 108 118 17 18 17 18 18 18	100	100	100	
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1000 107 - 1130 T - 0 130 T - 0 1 100 T - 1100 T - 0 1 100 T - 1100 T - 110	1000 107 - 1130 T - 1200 T - 1300 T - 1	1000 107 - 1130 T - 1200 10 1 1 1 1 T - 7 7 1 1 1 0 1 - 1200 1 1 1 1 1 T - 1200 1 1 1 1 1 1 T - 1200 1 1 1 1 1 1 T - 1200 1 1 1 1 1 1 T - 1200 1 1 1 1 1 1 T - 1200 1 1 1 1 1 1 T - 1200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000 107 - 1130 T - 130 T - 7 - 7 - 1 130 T - 1 1 1 1 T - 7 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000 107 - 1130 T - 130 T - 7 - 7 - 1 130 T - 1 1 1 1 T - 7 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000 107 - 1130 T	
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1000 1113 - 11	100	100 113 - 11 LT - 7 - - - 10 69 - - SIAL DUIT	100	100	1000 1113 - 11	
1000 1113 - 11	100	100 113 - 11 LT - 7 - - - 10 69 - - SIAL DUIT	100	100	1000 1113 - 11	1000 107 - 1130 T 58 - 0 10
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100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	•
100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	100 7037 - 707 ISLAD 1	1000 1107 - 11 T - 55 11 69
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			PTTTAL 1 11 7 1 31 7 11 0 56	PTTTAL 1 11 7 1 31 7 11 0 56	PT TTAL 1 11 7 1 31 7 11 0 56	TTAL 000 0 0 0 0 0 0 0 0 0
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				2110 02 72	2110-02-73 HW- STH LITE WALWITH MISHAUS QUATITIS	
			3110-03-73 HW: STH UT: WALWTH MISLLAUS QUATITIS SHT	3110-03-73 HW: 51H UI: WALWIH MISLLAUS QUAIIIS SHT	11W. 3111 VIALVATII I WISLLAUS QUATITIS	

604 SLOPE PAVING SUMMARY

					604.0400	604.9010.S	604.9015.S	612.0406	
					SLOPE PAVING CONCRETE	SLOPE PAVING REPAIR CRUSHED AGGREGATE	RESEAL CRUSHED AGGREGATE SLOPE PAVING	PIPE UNDERDRAIN WRAPPED 6-INCH	
CATEGORY	STATION	TO	STATION	LOCATION	SY	CY	SY	LF	REMARKS
2000	109+83	-	110+63	LT	110	1	280	105	WEST ABUTMENT
2000	110+07	-	110+87	RT	110	1	180	105	EAST ABUTMENT
				TOTAL 2000	220	2	460	210	

606 RIPRAP SUMMARY 611 ADJUSTING UTILITIES

			606.0300	645.0120					611.8110	611.8115	611.8120.S	SPV.0060.17	
CATEGORY	STATION	LOCATION	RIPRAP HEAVY CY	GEOTEXTILE TYPE HR SY	REMARKS	_			ADJUSTING MANHOLE COVERS	ADJUSTING INLET COVERS	COVER PLATES TEMPORARY	SPECIAL (ADJUSTING WATER VALVE BOXES)	
						CATEGORY	STATION	LOCATION	EACH	EACH	EACH	EACH	REMARKS
2100	698+46	LT	30	80									
		TOTAL 2100	30	80		1000	117+62	STH 59 RT	-	-	-	1	
						1000	117+63	STH 59 RT	1	-	1	-	
						1000	117+79	STH 59 RT	-	-	-	1	
						1000	118+07	STH 59 RT		1	1		
								TOTAL 1000	1	1	2	2	

625 RESTORATION SUMMARY

					201.0110	201.0210	625.0100	627.0200	629.0210	630.0120	630.0200	630.0500	SPV.0060.15	
					CLEARING	GRUBBING	TOPSOIL	MULCHING	FERTILIZER TYPE B	SEEDING MIXTURE NO. 20	SEEDING TEMPORARY	SEED WATER	SPECIAL (15. CURB RAMP GRADING, SHAPING AND FINISHING)	
CATEGORY	STATION	ТО	STATION	LOCATION	SY	SY	SY	SY	CWT	LB	LB	MGAL	EACH	REMARKS
1000	113+21	-	113+67	RT	-	-	-	-	-	-	-	-	1	CURB RAMP
1000	116+77	-	117+22	RT	-	-	-	-	-	-	-	-	1	CURB RAMP
1000	117+51	-	118+32	LT	-	-	-	-	-	-	-	-	1	CURB RAMP
1000	117+89	-	118+41	RT	-	-	-	-	-	-	-	-	1	CURB RAMP
1000	120+51	-	121+30	LT	-	-	-	-	-	-	-	-	1	CURB RAMP
1000	120+67	-	121+30	RT	-	-	-	-	-	-	-	-	1	CURB RAMP
1000	705+31	-	705+31	RT	-	-	75	75	-	3.5	-	2	-	OUTLET
1000	705+63	-	705+63	LT	-	-	6	6	0.1	0.5	-	1	-	AEW
1000	686+45	-	712+69	STH 89 UNDISTRIBUTED	-	-	25	25	0.1	1.0	1.0	1	-	25%
				TOTAL 1000	0	0	106	106	0.2	5.0	1.0	4	6	
2100	698+46	-	698+46	LT	59	59	59	59	-	3.0	-	2	-	BOX CULVERT
2100 698+4	698+46	-	698+46	BOX CULVERT UNDISTRIBUTED	-	-	15	15	-	1.0	1.0	1	-	25%
				TOTAL 2100	59	59	74	74	0.0	4.0	1.0	3	-	
				PROJECT TOTAL	 59	59	180	180	0.2	9.0	2.0	7		

HWY: STH 59 E COUNTY: WALWORTH SHEET PROJECT NO: 3110-03-73 MISCELLANEOUS QUANTITIES FILE NAME : W:\31100303\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030204-mq PLOT DATE : 6/27/2025 8:26 AM PLOT BY: RYAN BOOTH PLOT NAME : PLOT SCALE : 1" = 1'

					628.1504	628.1520	628.1905	628.1910	628.2004	628.2006	628.7010	628.7015	628.7504	
					SILT FENCE	SILT FENCE MAINTENANCE	MOBILIZATIONS EROSION CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL	EROSION MAT CLASS I TYPE B	EROSION MAT URBAN CLASS I TYPE A	INLET PROTECTION TYPE B	INLET PROTECTION TYPE C	TEMPORARY DITCH CHECKS	
CATEGORY S	STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	SY	SY	EACH	EACH	LF	REMARKS
1000	113+25		113+66	RT						13				STH 59
		-			-	-	-	-	-	15	-	-	-	
	116+27	-	117+23	RT	-	-	-	-	-	29	2	-	-	STH 59
1000 1	117+55	-	118+03	LT	64	64	-	-	-	54	-	-	-	STH 59
1000 1	117+88	-	118+41	RT	-	-	-	-	-	56	2	1	-	STH 59
1000	120+41	-	121+08	LT	110	110	-	-	-	18	1	-	-	STH 59
1000	120+61	-	121+11	RT	-	-	-	-	-	-	1	-	-	STH 59
1000	690+42	-	690+94	RT	-	-	-	-	168	-	-	-	-	STH 89
1000	705+06	-	705+25	RT	-	-	2	-	76	-	-	-	28	STH 89
1000	705+56	-	705+72	LT	-	-	2	-	6	-	-	-	20	STH 89
1000	PROJ	ECT 3110-	-03-73	UNDISTRIBUTED	50	50	-	2	80	-	-	-	-	
				TOTAL 1000	224	224	4	2	330	170	6	1	48	
2100	698+37	-	698+62	LT						60				STH 89
				TOTAL 2100	-	-	-	-	-	60	-	-	-	
				PROJECT TOTAL	224	224			330	230			48	

633.5200

					MARKERS CULVERT END	
CATEGORY	STATION	TO	STATION	LOCATION	EACH	REMARKS
1000	29+92	-	29+94	STH 59	2	LT & RT
1000	39+34	-	39+37	STH 59	2	LT & RT
1000	55+25	-	55+26	STH 59	2	LT & RT
1000	105+90	-	105+90	STH 59	2	LT & RT
1000	703+44	-	703+44	STH 89	1	RT
1000	705+31	-	705+62	STH 89	2	LT & RT
				TOTAL 1000	11	

643 PAVEMENT MARKING ITEMS

				643.3105 TEMPORARY MARKING LINE	643.3			646.3	020		646.2040			646.	3020	646.	4040	
				PAINT 4-INCH	PAINT		M	ARKING LINE EPOXY 4-IN	СН	MARKING I	LINE GROOVED WET	REF EPOXY 6-INC	:H	MARKING LINE	EPOXY 8-INCH		Y 10-INCH	
				YELLOW CENTERLINE	YELLOW CE	NTERLINE	WHITE EDGELINE	YELLOW CE	NTERLINE	WHITE EDGELINE	WHITE	YEI	LOW	WHITE CHA	NNELIZING	WHITE CHA	ANNELIZING	
					SOLID	SKIP	SOLID	SOLID	SOLID	SOLID	SKIP	SOLID	SKIP	SOLID	DOT	SOLID	DOT	
ATEGORY	STATION	TO STATION	LOCATION	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	REMARKS
1000	9+27	29+85	STH 59	-	645	515	-	-	-	4,040	-	645	515	-	-	-	-	OMIT 40 FT FOR CONVERSE RD
1000	29+85	43+39	STH 59	-	2,710	-	-	-	-	2,710	-	2,710	-	-	-	-	-	
1000	43+39	52+12	STH 59	-	875	215	-	-	-	1,740	-	880	215	-	-	-	-	
1000	52+12	71+77	STH 59	-	-	500	-	-	-	3,940	-	-	500	-	-	-	-	
1000	71+77	82+89	STH 59	-	1,115	275	-	-	-	2,115	-	1,115	275	-	-	-	-	OMIT 50 FT FOR TAYLOR RD
1000	82+89	110+71	STH 59	-	5,575	-	-	-	-	5,570	-	5,570	-	-	-	-	-	
1000	110+71	113+64	STH 59	585	-	-	586	585	590	-	-	-	-	-	-	-	-	
1000	113+64	116+80	STH 59	635	-	-	630	633	551	-	-	-	-	140	45	-	-	
1000	117+80	121+10	STH 59	810	-	-	470	810	331	-	-	-	-	800	34	-	-	
1000	686+45	691+90	STH 89	-	1,100	-	-	-	-	1,090	-	1,100	-	-	-	105	-	
1000	691+90	694+02	STH 89	-	440	-	-	-	-	310	50	440	-	-	-	-	-	OMIT 120 FT FOR WILLIS RAY RD
1000	694+02	698+50	STH 89	-	875	-	-	-	-	880	-	875	-	-	-	-	-	
1000	698+50	704+15	STH 89	-	1,800	-	-	-	-	1,170	-	1,800	-	-	-	515	60	
1000	705+20	709+64	STH 89	-	1,260	-	-	1,260	777	-	-	-	-	455	66	-	-	
1000	709+64	712+29	STH 89	-	-	-	-	534	536	-	-	-	-	94	39	-	-	
1000	712+92	713+65	STH 89	-	-	-	-	95	122	-	-	-	-	137	-	-	-	
1000	704+00	705+20	US 12	-	-	-	-	-	-	685	-	780	-	-	-	790	-	
ST	TH 59/89 USH 12				1,980		-	-	-		-			-			-	TRAFFIC SIGNAL CONCRETE PATCH
			TOTAL 1000	2,030	19,8	380		8510		·	41,720	·	·	1,8	10	1,4	470	

HWY: STH 59 SHEET E COUNTY: WALWORTH PROJECT NO: 3110-03-73 MISCELLANEOUS QUANTITIES FILE NAME : W:\31100303\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030205-mq PLOT BY: RYAN BOOTH PLOT DATE : 6/27/2025 8:26 AM PLOT NAME : PLOT SCALE : 1" = 1'

543 PAVEMENT	MARKING	ITEMS CONT	

			643.3305	646.502	20	646.5120		6	46.6120			646.7120		6	46.7420		646.8120		646.822	20	
			TEMPORARY MARKING CROSSWALK PAINT 6-INCH	MARKING ARRO	OW EPOXY	MARKING WORD E	POXY		STOP LINE EPC 18-INCH	ЭХY	MARKING I WHITE	DIAGONAL EPOX YELL		EPOXY TI	ig Crosswai Ransverse Li 6-inch		MARKING CURB		MARKING ISLAI EPOXY		
DRY STATION	TO STATION	LOCATION	LF	EACH		EACH			LF		LF	L			LF		LF		EACH	1	REMARKS
23+92	- 24+45	STH 59	-	-		-			16		_				-		-		-		CONVERSE ROAD
72+81	- 73+72	STH 59	-	-		-			17		-				-		-		-		TAYLOR ROAD
115+37		STH 59	-	6		2			-		-		-		-		-		-		COMMERCIAL ENTRANCES
116+50		STH 59	414	-		-			-		- 02				- 190		- 20		-		TEMP PED ACCOMODATIONS STH 89
119+20 690+85		STH 59 STH 89	-	2		2			56		83	2			190		-		2		WILLIS RAY ROAD
698+50		STH 89	-	8		4			40		67	18	38		-		10		1		INT STH 89/US 12
711+20	- 713+65	STH 89	-	3		1			43		-				-		40		2		STH 59
704+00	- 705+20	US 12	-	8		8			72		-		-		-		-		-		US 12
		TOTAL 1000	414	29		17			244			360			190		70		5		
					643.0300	643.0420	64	43.0705	643.0	0715	64	3.0810.S	643.0900			643.0920	643.1000	643.1050		643.1220.S	
							TRAFF	IC CONTROL								TRAFFIC CONTROL	TRAFFIC				
				TRAFFI	CONTROL DRUM	TRAFFIC CONTRO 1S BARRICADES TYPE	WARN	NING LIGHTS TYPE A	TRAFFIC (CTED ARROW BOARD	TRAFFIC CON' SIGNS	TROL COV	ERING (COVERING	CONTROL SIGNS	TRAFFIC CONTROL SIGNS PCMS		TED WORK ZONE START D LOCATION MARKERS	
CATEGORY	NOITATS	N	DURATION	EACH	DAY	EACH DAY	EAC		EACH	DAY		DAY			ACH	EACH	SF	DAY	EACH	DAY	REMARKS
	STH 59, WEST APPRO	ACIL STACE 1											4.0	150				_			SEE DETOUR PLAN SHEETS AND
1000 1000	STH 59, WEST OF STH		45	-	-	7 315	14	630	-	-	-	-	10	450	-	-	- 27	,	-	-	STANDARD DETAIL DRAWINGS
1000	STH 26, SOUTH OF CT		-	-	-		_	-	-	_	-	-	-	0	-	-	27	-	-	-	
1000	STH 26, NORTH OF CT	H N - STAGE 1	-	-	-		-	-	-	-	-	-	-	0	-	-	27	-	-	-	
1000	DETOUR ROUTE -	- STAGE 1	45	-	-		-	-	-	-	-	-	173	7,785	12	4	-	-	-	-	SEE DETOUR PLAN SHEETS
1000	CONVERSE RD -	STAGE 1	45	-	-	2 90	4	180	-		-	-	3	135	_	-		-	-	-	SEE TRAFFIC CONTROL SIDE ROAD DETAIL SHEET
																					SEE TRAFFIC CONTROL SIDE ROAD DETAIL
1000	TAYLOR RD - S	TAGE 1	45	-	-	2 90	4	180	-	-	-	-	3	135	-	-	-	-	-	-	SHEET SEE TRAFFIC CONTROL SIDE ROAD DETAIL
1000	STH 59 / STH 89 INTERSE	ECTION - STAGE 1	45	-	-	2 90	4	180	-	-	-	-	2	90	-	-	-	7	-	-	SHEET
1000	STH 56 / STH 89 SIDEW	/ALKS - STAGE 1	12	42	504		-	-	-	-	-	-	4	48	-	-				-	SEE SHEET TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 1
1000	STH 56 / STH 89 SIDEW	/ALKS - STAGE 1	12	26	312		-	-	-	-	-	-	9	108	-	-	-	-	-	-	SEE SHEET TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 2
1000	STH 56 / STH 89 SIDEW	/ALKS - STAGE 1	12	40	480								0	96							SEE SHEET TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 3
1000	3111 30 / 3111 83 31DEW	ALIG-STAGE I	STAGE 1 SUBTOTAL	40	480 1,296	585		1,170	· ·	0		0	- ° –		12	4	81	14		0	ACCOMODATIONS - STAGE S
																					SEE TRAFFIC CONTROL SIDE ROAD DETAIL
1000	WILLIS RAY RD -		7	-	-		-	-		-	-	-	1	•	-	-	-	-	-	-	SHEET
1000	STH 89 NEAR HARPER	R ST - STAGE 2	7	-	-		-	-		-	-	-	5	35	-	-	-	7	-	-	SEE ADVANCE WARNING DETAIL SHEET
1000	STH 89 S OF WILLIS RA	Y RD - STAGE 2	7	-	-		-	-		-	-	-	5	35	-	-	-	-	-	-	SEE ADVANCE WARNING DETAIL SHEET SEE TRAFFIC CONTROL RIGHT TURN LANI
1000	STH 89 / US	H 12	1	17	17	1 1	2	2		-	-	-	1	1	-	-	-	1	-	-	CLOSURE SHEET
	STH 59/89/USH 1:	2 SIGNALS	14	56	784	228	4		14	196	2	28		140	-	-	-	-	4	56	SEE SINGLE LANE CLOSURE SDD
-			STAGE 2 SUBTOTAL		801	29		58		196		28		218	0	0	0	8		56	
																					SEE DETOUR PLAN SHEETS AND
1000	STH 59, WEST APPRO		7	-	-	7 49	14	98	-	-	-	-	10	70	-	-	-	7	-	-	STANDARD DETAIL DRAWINGS
1000 1000	STH 59, WEST OF STH STH 26, SOUTH OF CT		-	-	-		-	-	-	-	-	-	-	-	-	-	27 27	-	-	-	
1000	STH 26, NORTH OF CT		-	-	-	-	_	_	-	_	_	_	-	-	_	_	27	-	_	-	
1000	DETOUR ROUTE -		7	-	-		-	-	-	-	-	-	173	1,211	12	4	-	-	-	-	SEE DETOUR PLAN SHEETS
1000	CONVERSE RD -	STAGE 3	7	_	_	2 14	4	28	_	_	_	-	3	21	_	_	_	_	_	_	SEE TRAFFIC CONTROL SIDE ROAD DETAI SHEET
			,		-										-	-	-	-	-	-	SEE TRAFFIC CONTROL SIDE ROAD DETAI
1000	TAYLOR RD - S	TAGE 3	7	-	-	2 14	4	28	-	-	-	-	3	21	-	-	-	-	-	-	SHEET
1000	STH 59 / STH 89 INTERSE	ECTION - STAGE 3	7	-		214	4	28	_	-			2	14				7		<u> </u>	SEE TRAFFIC CONTROL SIDE ROAD DETAI SHEET
			STAGE 3 SUBTOTAL		0	91	_	182		0		0		1337	12	4	81	14		0	_
			TOTAL 1000		2,097	705		1,410		196		28	1	10,402	24	8	162	36		56	
						_															
IECT NO:	3110-03-73		HWY: STH 59			COUNTY:								JANTITIE							SHEET

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644 TEMPORARY PED ACCOMODATIONS

644.1440 644.1601 644.1605 644.1810

			1	EMPORARY PEDESTRIAN SURFACE MATTING		TEMPORARY PEDESTRIAN CURB RAMP	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN BARRICADE	
CATEGORY	STATION	LOCATION	DAYS	SF	EACH	DAY	SF	LF	REMARKS
	TEMPORARY PEDESTRIAN ACCOMODATION	NS STAGE 1							
1000	113+72	RT	10	298	0	0	-	130	
1000	116+73	RT	10	25	1	10	-	66	
1000	118+10	LT	10	29	1	10	-	226	
1000	118+50	RT	10	30	1	10	20	77	
	TEMPORARY PEDESTRIAN ACCOMODATION	NS STAGE 2							
1000	118+00	RT	10	-	0	0	10	24	
1000	118+10	LT	10	29	1	10	10	18	
1000	120+76	LT	10	275	0	0	-	70	
	TEMPORARY PEDESTRIAN ACCOMODATION	NS STAGE 3							
1000	118+00	RT	10	-	0	0	10	25	
1000	118+10	LT	10	29	1	10	10	25	
1000	120+95	LT	10	-	0	0		7	
		TOTAL 1000		715		50	60	668	

650 STAKING SUMMARY

650.5500	650.7000	650.8000	650.9000	650.9911.01

					CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	CONSTRUCTION STAKING CONCRETE PAVEMENT	CONSTRUCTION STAKING RESURFACING REFERENCE	CONSTRUCTION STAKING CURB RAMPS	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 3110-03-73)	
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	LF	EACH	EACH	REMARKS
1000	113+19	-	121+28	STH 59	410			6		
1000	9+27	-	121+70	STH 59 / STH 89	-	-	11,243	-	1	
1000	686+45	-	703+71	STH 89	-	-	1,726	-		
1000	703+71	-	704+38	STH 89	-	67	-	-		
1000	705+71	-	712+70	STH 89			699			
				TOTAL 1000	410	67	13,668	6	1	

					690.0150	690.0250	
					SAWING ASPHALT	SAWING CONCRETE	
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	REMARKS
1000	9+27	-	121+70	STH 59	48	-	DRIVEWAYS
1000	113+21	-	113+67	STH 59, RT	-	5	CURB RAMP
1000	116+77	-	117+26	STH 59, RT	-	60	CURB RAMP
1000	117+45	-	118+00	STH 59, LT	71	10	CURB RAMP
1000	117+89	-	118+41	STH 59, RT	-	85	CURB RAMP
1000	120+84	-	121+17	STH 59, LT	50	15	CURB RAMP
1000	121+10	-	121+25	STH 59, LT	84	-	CURB RAMP ISLAND
1000	120+64	-	121+20	STH 59, RT	66	10	CURB RAMP
1000	121+00	-	121+35	STH 59, RT	81	-	CURB RAMP ISLAND
1000	703+61	-	704+28	STH 89	-	195	RIGHT TURN LANE
1000	703+65	-	705+75	STH 89	180	1,700	SIGNAL LOOP INSTALL
				TOTAL 1000	580	2,080	
2000	9+27		121+70	STH 59	225	-	SLOPE PAVING
				TOTAL 2000	225	0	
					·-	·	

PROJECT NO: 3110-03-73 HWY: STH 59 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET **E**

3

SPV.0060.01

SPECIAL (01. SECTION
CORNER MONUMENTS)

_	CATEGORY	STATION	LOCATION	EACH	REMARKS
	1000	9+27	STH 59	1	MONUMENT #4150660
	1000	73+94	STH 59	1	MONUMENT #4150550
			TOTAL 1000	2	

SPV.0060.13

SPECIAL (13. CLEANING INLETS)

CATEGORY	STATION	TO	STATION	LOCATION	EACH	REMARKS
1000	116+37	-	116+37	STH 59	1	RT
				TOTAL 1000	1	

SPV.0060.14

SPECIAL (14. GRADING, SHAPING, FINISHING DRIVEWAY REMOVAL)

CATEGORY	STATION	TO	STATION	LOCATION	EACH	REMARKS
1000	690+50	-	691+00	STH 89, RT	1	DRIVEWAY REMOVAL
				TOTAL 1000	1	

SPV.0060.16

SPECIAL (16. WING GRADING, SHAPING AND FINISHING)

			FINISHING)	
CATEGORY	STATION	LOCATION	EACH	REMARKS
2000	110+70	LT	1	NORTHWEST QUADRANT
		TOTAL 2000	1	

SPV.0180.01

SPECIAL (01. RESIN BINDER HIGH FRICTION SURFACE TREATMENT)

CATEGORY	STATION	TO	STATION	LOCATION	SY	REMARKS
1000	30+00	-	43+50		5,100	
				TOTAL 1000	5,100	

HWY: STH 59 E COUNTY: WALWORTH SHEET PROJECT NO: 3110-03-73 MISCELLANEOUS QUANTITIES W:\31100303\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030208-mq PLOT SCALE : 1" = 1' FILE NAME : PLOT DATE : 6/27/2025 8:26 AM PLOT BY: RYAN BOOTH PLOT NAME : WISDOT/CADDS SHEET 42

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2

	MANENT SIGNING									3110-03-73 STH 59)
ĺ			637 2210	637 2230	638 2102	638 2602	638 3000	634 0618			

									637.2210	637.2230	638.2102	638.2602	638.3000	634.0618		
							TYPE I	I	SIGNS	SIGNS			REMOVING			
ł		Q I	GN				SIGN		TYPE II	TYPE II	MOVING	REMOVING	SMALL	POSTS	MOUNT	
	SIGN		ODE	SIGN	SIGN		SIZE		REFLC	REFLC	SIGNS	SIGNS	SIGN	WOOD	ON SAME	
l	NO.		SIZE	TYPE	MESSAGE	W	x	Н	Н	F	TYPE II	TYPE II	SUPPORTS	4"X 6"X18'	POST AS	
	110.		JIZL	''' -	WEGGAGE	[IN.]	x	[IN.]	[SF]	[SF]	[EA]	[EA]	[EA]	[EA]	SIGN#	REMARKS / NEW SIGN LOCATION
l																
1	1	R2-1	(2S)	II	55 MPH	24	х	30	5.00			1	1	1		
	2	R2-1	(2S)	II	35 MPH	24	х	30	5.00			1	1	1		
	3	W3-1	(2S)	II		36	X	36		9.00		1	1	1		
	4	W3-1	(2S)	II		36	X	36		9.00		1	1	1		
	5	R2-1	(2S)	II	35 MPH	24	х	30	5.00			1	1	1		
	6	R1-1	(2S)	П		30	Х	30	5.18			1	1	1		
	7	R3-8LR	(2S)	II		30	X	36	7.50			1	1	1		
	8	R5-1	(2S)	II		30	X	30	6.25			1	1	1		
	9	R3-8LF	(2S)	II		30	X	36	7.50			1			8	
	10	R4-7	(2S)	II	-	24	Х	30	5.00			1	1	1		
	11	W5-54	(2S)	II		18	Х	18		2.25		1			10	
	12	R4-7	(2S)	II		24	X	30	5.00			1	1	1		
	13	R1-1	(2M)	II		36	X	36	7.46			1	1	1		
	14	W4-4P	(2S)	II		24	X	12		2.00		1			13	
	15	R1-1	(2M)	II	-	36	Х	36	7.46			1	1	1		
	16	W4-4P	(2S)	II		24	X	12		2.00		1			15	
	17	W12-1D	(2S)	II		24	Х	24		4.00		1	1	1		
	18	R2-1	(2S)	II	35 MPH	24	X	30	5.00			1	1	1		
	19	R2-1	(2S)	II	35 MPH	24	Х	30	5.00			1	1	1		
	20	R3-20L	(2S)	II		24	Х	36	6.00			1	1	1		
	21	W5-54	(2S)	II		18	X	18		2.25		1			20	
	22	R5-1	(2S)	II		30	X	30	6.25			1	1	1		
	23	W3-3	(2S)	II		36	X	36		9.00		1			22	
	24	R3-8LA	(2S)	II		30	X	36	7.50			1	1	1		
	25	R5-1A	(2S)	II		36	Х	24	6.00			1	1	1		
	26	R2-1	(2S)	II	35 MPH	24	X	30	5.00			1			25	
	27	R10-15L	(2S)	II		30	X	30		6.25		1	1	1		
	28	R4-7	(2S)	II		24	X	30	5.00							MOUNT ON EXISTING POST
	29	W1-6	(2S)	II		48	X	24		8.00		1	1	1		
Ī	30	R4-7	(2S)	II		24	X	30	5.00			1	1	1		
					UNDISTRIBUTED		Х				5	5	5	5		
		TOTALS							117.10	53.75	5	34	27	27		

SHEET: 1 OF 1

SHEET:

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FILE NAME: X:\ML\2022\20220357\2022-0357.01\DESIGN\TRANSPORTATION\SHEETSPLAN\030201_MQ.DWG

HWY: STH 59

PROJECT NO: 3110-03-73

PLOT DATE : 1/20/2023 1:36 PM

COUNTY: WALWORTH

PLOT BY : ROGAHN, DOUG

PLOT NAME :

MISCELLANEOUS QUANTITIES - PERMANENT SIGNING

PLOT SCALE : 1:1

3

USH 12/STH 59/89 & STH 59/89 WALWORTH COUNTY CATEGORY 1000 S64-1032

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
2	POLES TYPE 10 SPECIAL
2	POLES TYPE 13 OVER HEIGHT
2	MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE
1	MONOTUBE ARMS 40-FT TYPE 12/13 OVER HEIGHT POLE
1	MONOTUBE ARMS 45-FT TYPE 12/13 OVER HEIGHT POLE
4	LUMINAIRE ARMS 15-FT
2	RADAR DETECTOR
4	EVP DETECTOR HEADS

STATE FURNISHED FOR INFORMATION ONLY

		POLES	POLES	MONOTUBE	MONOTUBE	MONOTUBE	LUMINAIRE ARMS		EVP
		TYPE 10	TYPE 13	ARMS 45-FT	ARMS 40-FT	ARMS 45-FT	STEEL 15-FT	RADAR	DETECTOR
SIGNAL		SPECIAL	OVER HEIGHT	TYPE 9/10 SPEC POLE	TYPE 12/13 OVER HEIGHT POLE	TYPE 12/13 OVER HEIGHT POLE		DETECTOR	HEADS
BASE NO.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
SB2			1			1	1		1
SB4		1		1			1	1	1
SB6		1		1			1		1
SB8			1		1		1	1	1
	TOTAL	2	2	2	1	1	4	2	4

REMOV	ING CONCRETE BASES	
	204.0195	
	REMOVING	
SIGNAL	CONCRETE BASES	
BASE NO.	EACH	
CB1	1	
SB1	1	
SB2	1	
SB3	1	
SB4	1	
SB5	1	
SB6	1	
SB7	1	
SB8	1	
	TOTAL 9	

TRAF	FIC SIC	GNAL REMOVALS	
		204.9060.S.01	204.9060.S.01
		REMOVING	REMOVING LOOP DETECTOR
		TRAFFIC SIGNALS	WIRE & LEAD-IN CABLE
LOCATION		EACH	EACH
USH 12/STH 59/89 & STH 59/89		1	1
	TOTAL	1	1

PAGE 1 OF 6

PROJECT NO: 3110-03-73 HWY: USH 12 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\C3D\CAD\31100303\SIG\S64-1032\S64-1032_mq.pdf PLOT NAME : S64-1032_mq.pdf PLOT SCALE : 1:1

REMOVING PULL BOXES 653.0905 REMOVING PULL BOX PULL BOXES EACH NO. PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12 PB13 PB14 PB15 PB16 PB17 PB18 PB19

TOTAL

20

PB20

LAMP, BALLAST, LED, SWITCH DISPOSAL 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR FIXTURE TYPE EACH TRAFFIC SIGNAL, THREE SECTION HIGH PRESSURE SODIUM LAMP MERCURY SWITCHES 1 BALLASTS 1 TOTAL 12 13 14

			CONDUIT		
			652.0225	652.0235	652.0615
			CONDUIT RIGID	CONDUIT RIGID	
			NONMETALLIC	NONMETALLIC	CONDUIT
			SCHEDULE 40	SCHEDULE 40	SPECIAL
			2-INCH	3-INCH	3-INCH
FROM	TO		L.F.	L.F.	L.F.
CB1	PB1			33	
PB1	PB2			132	
PB2	PB3		212		
PB2	PB5				162
PB3	PB4		178		
PB5	SB2			24	
PB5	PB6			220	
PB6	SB3		39		
PB6	PB7		226		
PB6	PB9				158
PB7	PB8		175		
PB9	SB4			13	
PB9	PB10			90	
PB10	PB11				40
PB10	PB12		215		
PB10	PB13				192
PB11	SB5		5		
PB13	SB6			11	
PB13	PB14			168	
PB14	SB7		31		
PB14	PB15		235		
PB14	PB17				174
PB15	PB16		178		
PB17	SB8			23	
PB17	PB18				49
PB17	PB19			135	
PB18	SB1		5		
PB19	CB1			33	
		TOTAL	1499	882	775

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)							
		TRAFFIC	HIGH	MERCURY	BALLASTS		
		SIGNAL,	PRESSURE	SWITCHES			
SIGNAL		THREE SECTION	SODIUM LAMP				
BASE NO.		EACH	EACH	EACH	EACH		
CB1				1			
SB1		2					
SB2		1	1		1		
SB3		2					
SB4		1	1		1		
SB5		2					
SB6		1	1		1		
SB7		2					
SB8		1	1		1		
	TOTAL	12	4	1	4		

PAGE 2 OF 6

PROJECT NO: 3110-03-73 HWY: USH 12 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\C3D\CAD\31100303\SIG\S64-1032\Mg.pptx PLOT BY : DOTSHW PLOT NAME : S64-1032_mg.pdf PLOT SCALE : 1:1

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TRAFFIC DETECTOR LOOPS

					TIVILLO DE LEGION EGGI 3			
						652.0800	655.0700	655.0800
					SDD	CONDUIT	LOOP DETECTOR	LOOP DETECTOR
LOOP	HOME		SIZE	NO. OF	INSTALLATION	LOOP DETECTOR	LEAD IN CABLE	WIRE
NO.	RUN PB	LOCATION** ^	(FT)x(FT)	TURNS	REFERENCE	L.F.	L.F.	L.F.
11	PB6	209+29.1, 5.6' LT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	130	260	390
12	PB6	209+57.1, 5.6' LT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	136	260	408
21	PB16	215+20.7, 16.8' LT	6'X10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	66	570	330
22	PB15	213+46.1, 17.4' LT	6'X10'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	392	312
31	PB5	703+81.7, 7.1' RT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	126	150	378
32	PB5	704.09.7, 7.2' RT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	126	150	378
41	PB12	707+68.0, 7.0' LT	6'X10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	552	460
42	PB11	705+37.5, 5.3' LT	6'X20'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	377	368
43	PB11	705+09.8, 5.2' LT	6'X20'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	377	328
51	PB17	211+09.0, 5.5' LT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	136	70	408
52	PB17	210+81.0, 5.5' LT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	140	70	420
61	PB8	205+16.7, 6.3' RT	6'X14'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	661	410
62	PB7	206+91.7, 6.2' RT	6'X10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	486	410
71	PB13	705+47.7, 6.8' RT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	134	241	402
72	PB13	705+19.8, 6.9' RT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	128	241	384
81	PB4	699+75.4, 12.1' RT	6'X10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	66	459	330
82	PB3	701.50.0, 18.2' RT	6'X6'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	70	281	280
83	PB18	703+97.3, 19.8' RT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	119	246
84	PB18	704+25.3, 19.5' RT	6'X20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	70	119	210
					TOTA	AL 1918	5835	6852

[^] FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

PAGE 3 OF 6

PROJECT NO: 3110-03-73 HWY: USH 12 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\C3D\CAD\31100303\SIG\S64-1032\S64-1032_mq.pdf PLOT NAME : S64-1032_mq.pdf PLOT SCALE : 1:1

^{**} LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

	PULL BOXES	S	
		653.0135	653.0140
		PULL BOXES	PULL BOXES
		STEEL	STEEL
PULL BOX		24x36-INCH	24x42-INCH
NO.	LOCATION ^	EACH	EACH
PB1	703+41.5, 83.8' RT		1
PB2	703+62.5, 44.9' RT		1
PB3	701+50.1, 43.9' RT	1	
PB4	699+74.2, 32.4' RT	1	
PB5	703+84.4, 32.9' LT		1
PB6	209+18.0, 35.0' RT		1
PB7	206+91.7, 34.6' RT	1	
PB8	205+16.7, 30.4' RT	1	
PB9	209+12.1, 43.4' LT		1
PB10	705+53.8, 46.1' LT		1
PB11	705+22.9, 21.5' LT		1
PB12	707+67.9, 40.2' LT	1	
PB13	705+30.3, 47.1' RT		1
PB14	211+12.7, 47.9' LT		1
PB15	213+45.4, 43.7' LT	1	
PB16	215+20.7, 37.1' LT	1	
PB17	211+15.3, 39.3' RT		1
PB18	704+10.0, 30.9' RT		1
PB19	703+47.3, 92.7' RT		1
	TOTA	AL 7	12

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

	TRAFFIC SIGNAL CABLE AND WIRE						
			655.0260	655.0320			
			CABLE	CABLE TYPE			
			TRAFFIC SIGNAL	UF 2-10 AWG			
			12-14 AWG	GROUNDED			
FROM	TO		L.F.	L.F.			
CB1	SB1		169				
CB1	SB2		219				
CB1	SB3		360				
CB1	SB4		426				
CB1	SB5		475				
CB1	SB6		313				
CB1	SB7		233				
CB1	SB8		122				
CB1	SB2			219			
SB2	SB4		==	282			
CB1	SB8			122			
SB8	SB6			261			
		TOTAL	2317	884			

			CONCDETE					
CONCRETE BASES								
			654.0101	654.0113	654.0120	654.0217		
			CONCRETE	CONCRETE	CONCRETE	CONCRETE CONTROL		
			BASES	BASES	BASES	CABINET BASES		
SIGNAL			TYPE 1	TYPE 13	TYPE 10-SPECIAL	TYPE 9 SPECIAL		
BASE NO.	LOCATION ^		EACH	EACH	EACH	EACH		
CB1	703+36.0, 93.8' RT					1		
SB1	704+14.8, 31.2' RT		1					
SB2	704+08.4, 36.2' LT			1				
SB3	209+56.6, 30.2' RT		1					
SB4	208+99.3, 46.1' LT				1			
SB5	705+17.8, 21.3' LT		1					
SB6	705+19.1, 49.1' RT				1			
SB7	210+81.9, 44.1' LT		1					
SB8	211+37.2, 32.3' RT			1				
•		TOTAL	4	2	2	1		

[^] FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

TRAFI	FIC SIGNA	AL CABLE AND WIRE
		655.0515
		ELECTRICAL WIRE
		TRAFFIC SIGNALS
		10 AWG
FROM	TO	L.F.
CB1	SB2	219
SB2	SB3	213
SB3	SB4	171
SB4	SB5	159
SB5	SB6	208
SB6	SB7	166
SB7	SB8	181
SB8	SB1	117
SB1	CB1	169
PB1	CB1	34
PB2	CB1	94
PB5	SB2	44
PB6	SB3	59
PB9	SB4	33
PB10	SB5	81
PB11	SB5	25
PB13	SB6	31
PB14	SB7	51
PB17	SB8	43
PB18	SB1	25

655.0230 655.0240 CABLE CABLE CABLE TRAFFIC SIGNAL TRAFFIC SIGNAL TRAFFIC SIGNAL 5-14 AWG 7-14 AWG FROM TO L.F. L.F. SB3 HEAD 1 19 SB8 HEAD 2 61 SB8 HEAD 3 39 SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77	TRAFFIC SIGNAL CABLE AND WIRE							
FROM TO TRAFFIC SIGNAL 5-14 AWG TRAFFIC SIGNAL 7-14 AWG SB3 HEAD 1 19 SB8 HEAD 2 61 SB8 HEAD 3 39 SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 <td< td=""><td></td><td></td><td></td><td>655.0230</td><td>655.0240</td></td<>				655.0230	655.0240			
FROM TO L.F. L.F. SB3 HEAD 1 19 SB8 HEAD 2 61 SB8 HEAD 3 39 SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19				CABLE	CABLE			
FROM TO L.F. L.F. SB3 HEAD 1 19 SB8 HEAD 2 61 SB8 HEAD 3 39 SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19				TRAFFIC SIGNAL	TRAFFIC SIGNAL			
SB3 HEAD 1 19 SB8 HEAD 2 61 SB8 HEAD 3 39 SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB5 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB1 HEAD 19 22				5-14 AWG	7-14 AWG			
SB8 HEAD 2 61 SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	FROM	TO		L.F.	L.F.			
SB8 HEAD 3 39 SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB3	HEAD 1		19				
SB7 HEAD 4 22 SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB8	HEAD 2		61				
SB8 HEAD 5 73 SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB8	HEAD 3		39				
SB7 HEAD 6 19 SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB7	HEAD 4			22			
SB4 HEAD 7 64 SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB8	HEAD 5			73			
SB4 HEAD 8 39 SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB7	HEAD 6		19				
SB3 HEAD 9 22 SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB4	HEAD 7		64				
SB4 HEAD 10 76 SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB4	HEAD 8		39				
SB1 HEAD 11 19 SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB3	HEAD 9			22			
SB6 HEAD 12 66 SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB4	HEAD 10			76			
SB6 HEAD 13 39 SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB1	HEAD 11		19				
SB5 HEAD 14 22 SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB6	HEAD 12		66				
SB6 HEAD 15 77 SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB6	HEAD 13		39				
SB5 HEAD 16 19 SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB5	HEAD 14			22			
SB2 HEAD 17 65 SB2 HEAD 18 39 SB1 HEAD 19 22	SB6	HEAD 15			77			
SB2 HEAD 18 39 SB1 HEAD 19 22	SB5	HEAD 16		19				
SB1 HEAD 19 22	SB2	HEAD 17		65				
	SB2	HEAD 18		39				
SB2 HEAD 20 78	SB1	HEAD 19			22			
	SB2	HEAD 20			78			
TOTAL 488 392		·	TOTAL	488	392			

PAGE 4 OF 6

PROJECT NO: 3110-03-73 HWY: USH 12 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**

TOTAL

2157

FILE NAME : N:\PDS\C3D\CAD\31100303\SIG\S64-1032\S64-1032_mq.pdf PLOT NAME : S64-1032_mq.pdf PLOT SCALE : 1:1

3

TRAFFIC SIGNAL CABLE AND WIRE 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG FROM TO SB2 LUMIN 144 SB4 LUMIN 144 SB6 144 LUMIN SB8 LUMIN 144 TOTAL 576

TRAFFIC SIGNAL EVP DETECTOR CABLE 655.0900 TRAFFIC SIGNAL **EVP DETECTOR** CABLE FROM CB1 SB4 (HEAD A) 488 179 CB1 SB8 (HEAD B) CB1 276 SB2 (HEAD C) CB1 SB6 (HEAD D) 369 TOTAL 1312

ELECTRICAL SERVICE METER BREAKER PEDESTAL

656.0201.01
ELECTRICAL SERVICE
METER BREAKER
PEDESTAL
PEDESTAL
EACH

USH 12/STH 59/89 & STH 59/89

1

TOTAL
1

POLES (CONTRACTOR FURNISHED) 657.0100 657.0425 TRAFFIC SIGNAL STANDARDS PEDESTAL ALUMINUM SIGNAL BASES 15-FT BASE NO EACH EACH SB1 SB3 SB5 SB7 TOTAL

POLES (STATE FURNISHED)

			1 0 2 2 0	(8171121311131123)			
	SPV.0060.02	SPV.0060.03	SPV.0060.04	SPV.0060.05	SPV.0060.06	SPV.0060.07	659.1125
	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	LUMINAIRES
	POLES	POLES	MONOTUBE	MONOTUBE	MONOTUBE	LUMINAIRE ARMS	UTILITY
	TYPE 10 SPECIAL	TYPE 13	ARMS 45-FT	ARMS 40-FT	ARMS 45-FT	STEEL 15-FT	LED C
SIGNAL		OVER HEIGHT	TYPE 9/10 SPEC POLE	TYPE 12/13 OVER HEIGHT POLE	TYPE 12/13 OVER HEIGHT POLE		
BASE NO.	EACH	EACH	EACH	EACH	EACH	EACH	EACH
SB2		1			1	1	1
SB4	1		1			1	1
SB6	1		1			1	1
SB8		1		1		1	1
T	OTAL 2	2	2	1	1	4	4

PAGE 5 OF 6

PROJECT NO: 3110-03-73 HWY: USH 12 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**

3

USH 12/STH 59/89 & STH 59/89 WALWORTH COUNTY CATEGORY 1000 S64-1032

3

		FAC	ES	
		<u> </u>	658.0173	658.0174
			TRAFFIC	TRAFFIC
			SIGNAL FACE	SIGNAL FACE
SIGNAL	SIGNAL		3S 12-INCH	4S 12-INCH
HEAD NO.	BASE NO.		EACH	EACH
1	SB3		1	
2	SB8		1	
3	SB8		1	
4	SB7	_		1
5	SB8			1
6	SB7		1	
7	SB4		1	
8	SB4		1	
9	SB3			1
10	SB4			1
11	SB1		1	
12	SB6		1	
13	SB6		1	
14	SB5			1
15	SB6			1
16	SB5		1	
17	SB2		1	
18	SB2		1	
19	SB1			1
20	SB2			1
		TOTAL	12	8

SIGNAL MOUNTING HARDWARE							
		658.5070.01					
		SIGNAL					
		MOUNTING					
		HARDWARE					
LOCATION		EACH					
USH 12/STH 59/89 & STH 59/89		1					
	TOTAL	1					

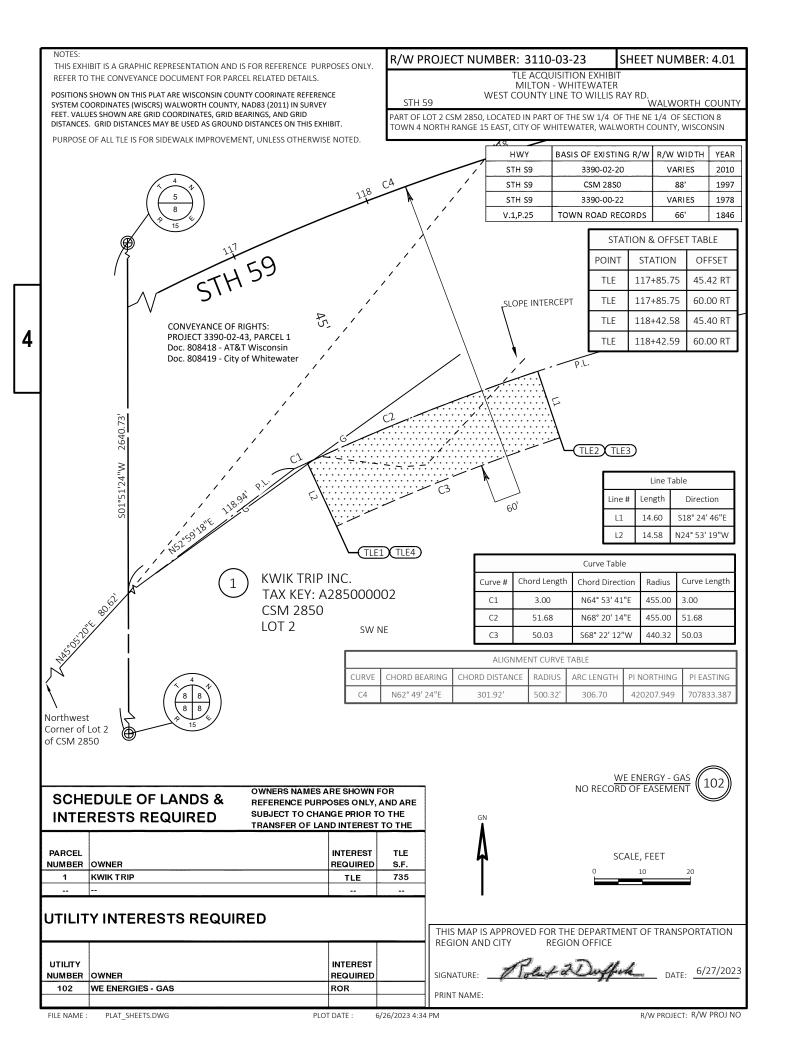
TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS								
		661.0201.01	661.0300	667.0200				
		TEMPORARY TRAFFIC		INSTALL				
		SIGNALS FOR		CAMERA				
		INTERSECTIONS	GENERATORS	ASSEMBLY				
LOCATION		EACH	DAY	EACH				
11011 40 (CT11 F0 (00 A CT11 F0 (00		1	4	1				
USH 12/STH 59/89 & STH 59/89		I	I	I				
	TOTAL	1	1	1				

	RT AND INSTALL FRAFFIC SIGNAL CABINET	TEMPORARY INFRARED EVP SYSTEM				
LOCATION	SPV.0060.08 TRNSPT AND INSTALL STATE FURN TRAFFIC SIGNAL CABINET EACH	LOCATION	SPV.0060.09 TEMP INFRARED EVP SYSTEM EACH			
USH 12/STH 59/89 & STH 59/89	1	USH 12/STH 59/89 & STH 59/89	1			
	TOTAL 1	TO*	- ΓAL 1			

	NSTALL STATE FURNISHED TECTION SYSTEM		FRAFFIC SIGNAL LIGHTING MATERIALS	EVP DETECTOR HEAD INSTALLATION		
LOCATION	SPV.0060.10 TRNSPT & INSTALL STATE FURN RADAR DETECT SYS EACH	LOCATION	SPV.0060.11 TRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH	LOCATION	SPV.0060.12 TRNSPT & INSTALL STATE FURN EVP HEADS EACH	
USH 12/STH 59/89 & STH 59/89	1	USH 12/STH 59/89 & STH 59/89	1	USH 12/STH 59/89 & STH 59/89	1	
	TOTAL 1	T	OTAL 1	-	TOTAL 1	

PAGE 6 OF 6

PROJECT NO: 3110-03-73 HWY: USH 12 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**



R/W PROJECT NUMBER: 3110-03-23 SHEET NUMBER: 4.02 THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY TLF ACQUISITION FXHIBIT REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS. MILTON - WHITEWATER MILTON - WHITEWATER WEST COUNTY LINE TO WILLIS RAY RD. WAL<u>WORTH COUNTY</u> PLOT DATE : 6/26/2023 4:34 PM

PLAT SHEETS.DWG

R/W PROJECT: R/W PROJ NO

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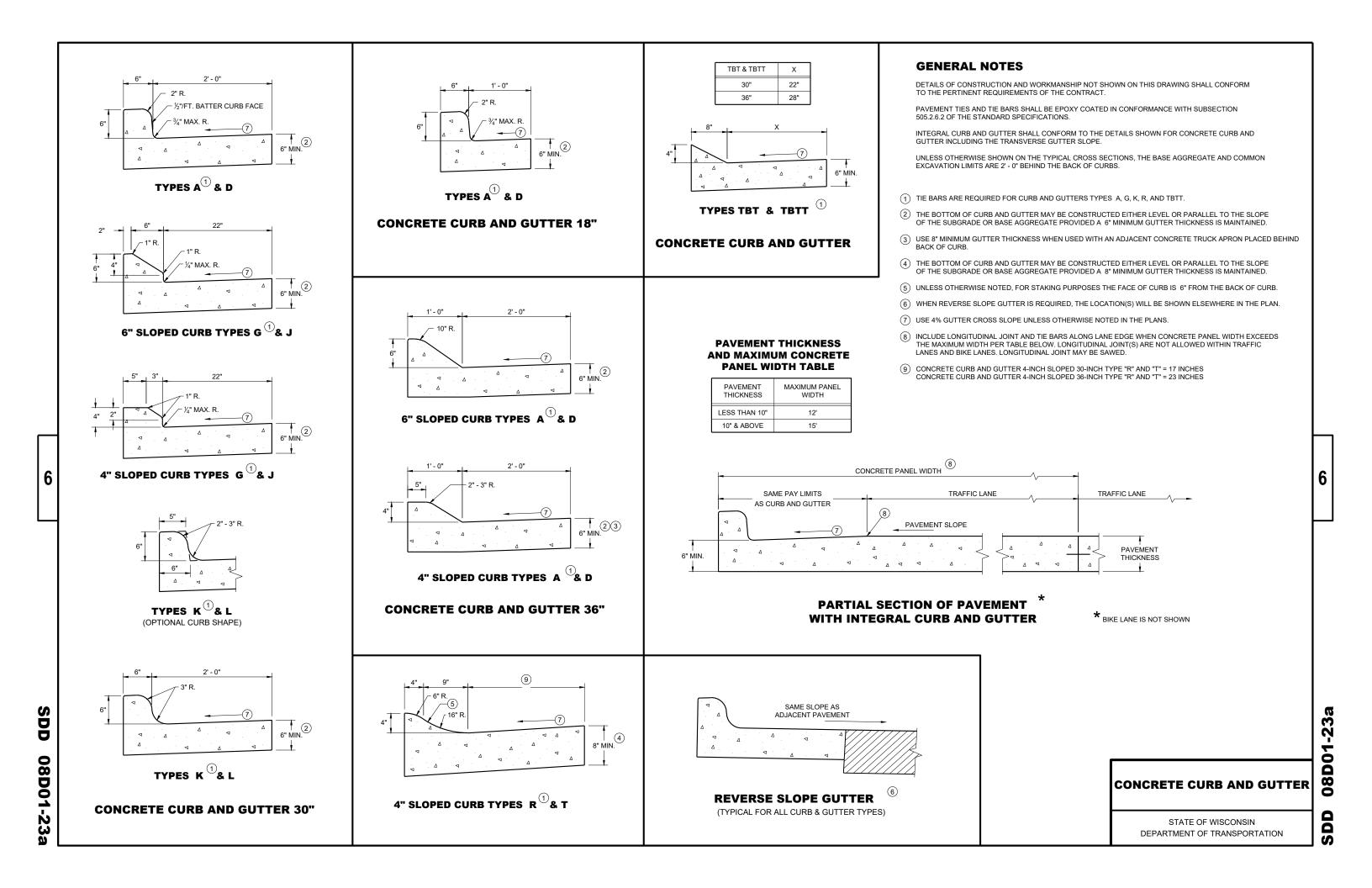
Standard Detail Drawing List

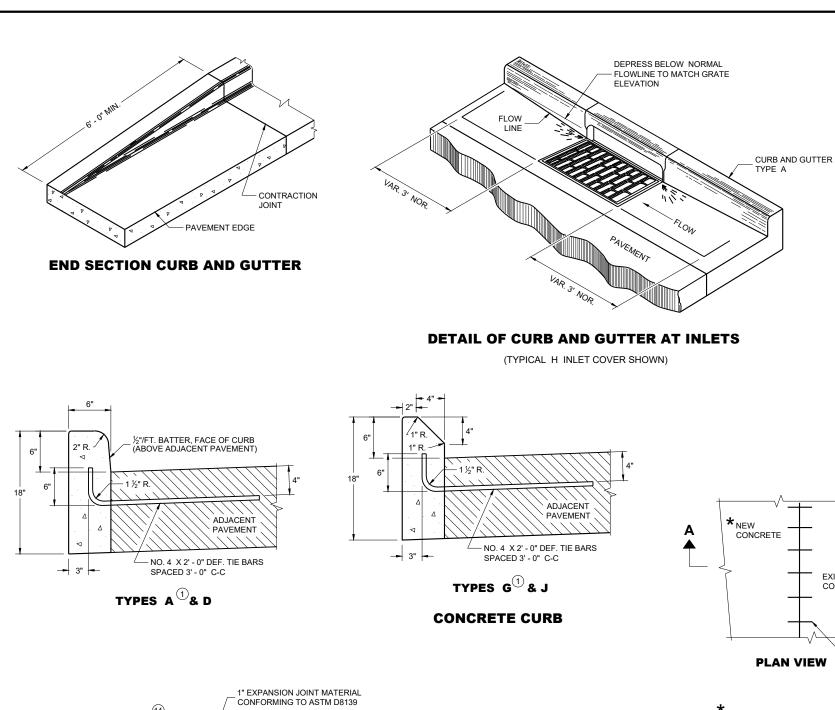
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-14B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-10	CONDUIT
09B04-13	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09003-04	TRANSFORMER/PEDESTAL BASES
09006-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C12-09A	CONCRETE BASE TYPE 13
09015-01	CONCRETE BASE TYPE 10 SPECIAL CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D01-05 09D02-03	SIGNAL CONTROL CABINET
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09E08-09J	TYPE 13 POLE 35' -55' MONOTBE ARM
09E08-09K	GENERAL NOTES, HARDWARE DETAILS FOR TYPE 9/10, 9/10 SPECIAL, 12 & 13 POLES W/MONOTUBE ARMS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
13A10-03A	SHOULDER RUMBLE STRIPS - ASPHALT
13A10-03E	EDGE LINE RUMBLE STRIPS - ASPHALT
13A10-03G	SHOULDER AND EDGE LINE RUMBLE STRIPS - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS
13A10-03H	SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13C09-17A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C19-03 14B29-01	HMA LONGITUDINAL JOINTS
15A03-02A	SAFETY EDGE FLEXIBLE MARKER POST FOR CULVERT END
15A03-02A 15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRI CADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRI CADES AND SI GNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-09A	MEDIAN ISLAND MARKINGS PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-09B 15C18-09C	MEDIAN PAVEMENT MARKINGS, MEDIAN ISLAND NOSE MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C18-09C 15C19-09A	MOVING PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING

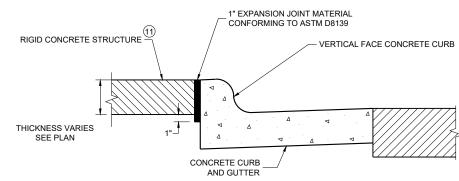
Standard Detail Drawing List

15C35-06A	PAVEMENT MARKING	(INTERSECTIONS)
15D20-09A	TRAFFIC CONTROL,	SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-09B	TRAFFIC CONTROL,	SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-09C	TRAFFIC CONTROL,	SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL,	INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL,	INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL,	SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL,	WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-10A	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10B	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10C	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10D	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATION
15D30-10E	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10F	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10G	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATION
15D30-10H	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10I	TRAFFIC CONTROL,	PEDESTRIAN ACCOMMODATION
15D30-10J	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10K	TRAFFIC CONTROL,	PEDESTRI AN ACCOMMODATI ON
15D30-10L	TRAFFIC CONTROL,	PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL,	DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL,	SIGNING ON ROADWAYS WITH MILLED SURFACES
15D51-01	TRAFFIC CONTROL,	MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY
16A01-07	LANDMARK REFERENCE	CE MONUMENTS AND COVERS

6







EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE ①

CONCRETE **EXISTING** CONCRETE * NEW CURB AND GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE. **PLAN VIEW** NO. 6 TIE BARS SPACED 2' - 6" C-C, INSTALLED PERPENDICULAR TO THE CONCRETE MAXIMUM DRILL HOLE SIZE IS 1/8" GREATER THAN TIE BAR DIAMETER 1/2 THICKNESS OF_ NEW CONCRETE **EXISTING**

TIE BARS DRILLED
INTO EXISTING PAVEMENT

SECTION A - A

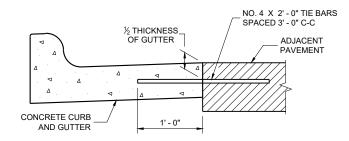
GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

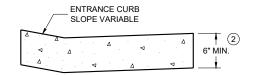
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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.
- 1 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.



TYPICAL TIE BAR LOCATION



DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

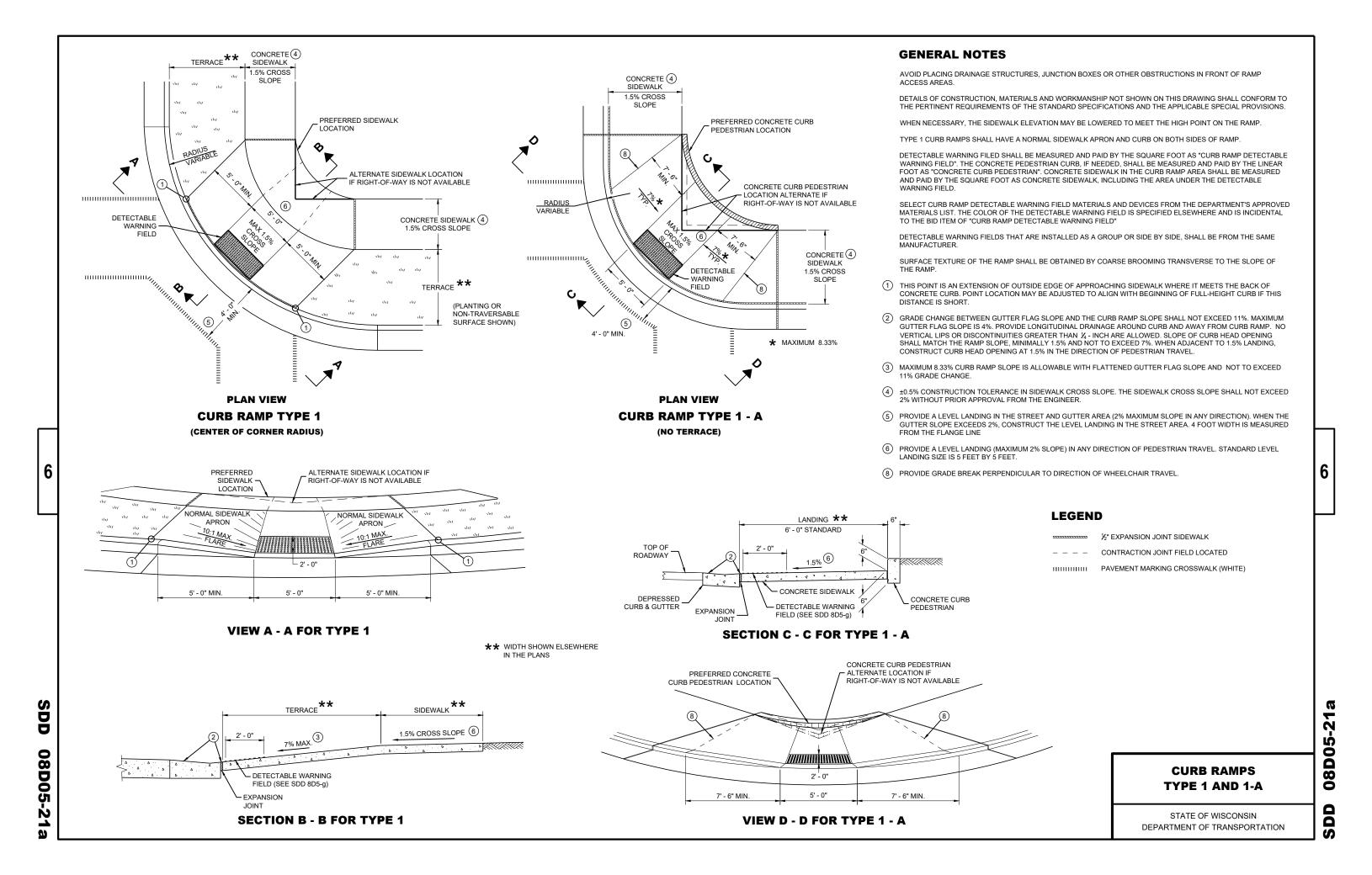
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

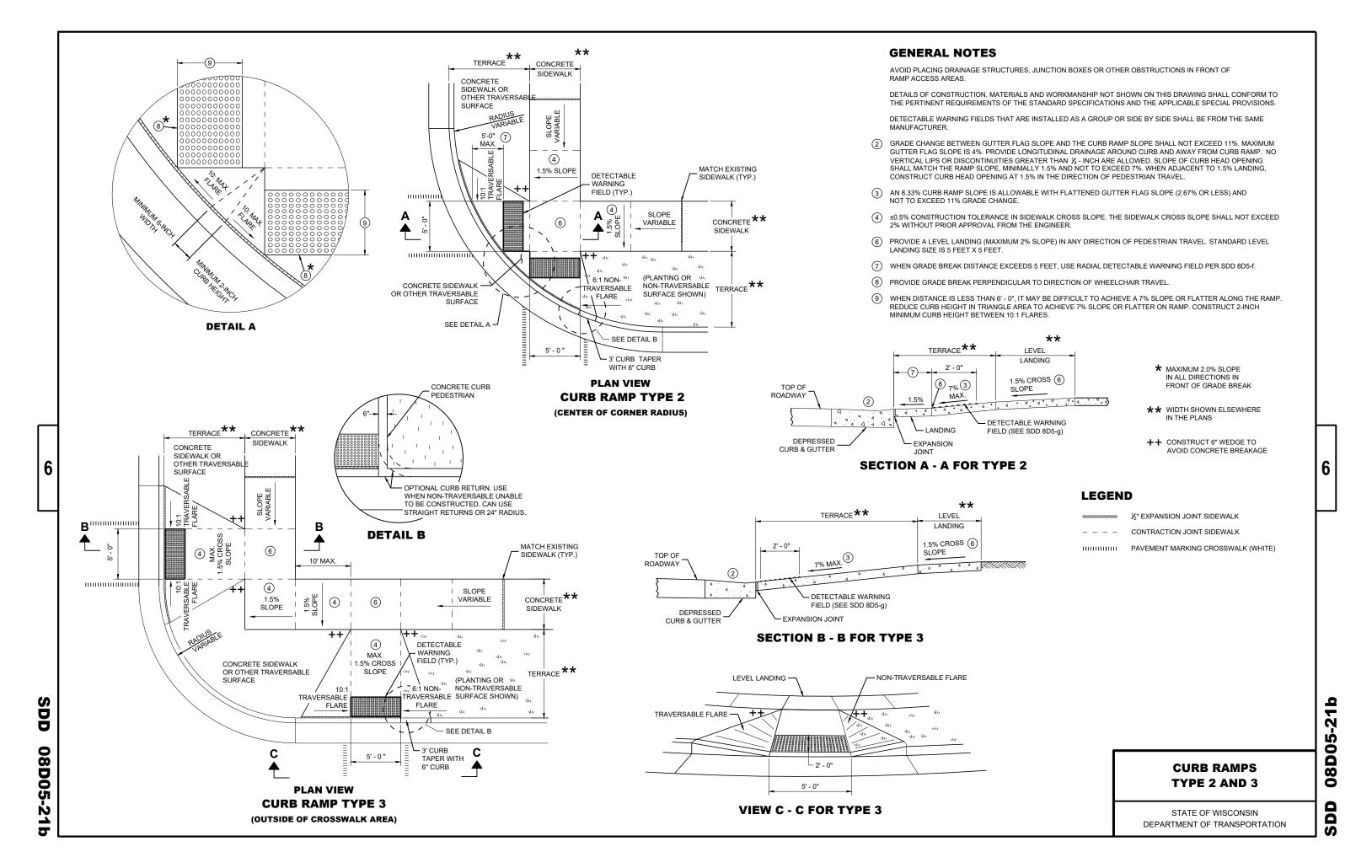
APPROVED

May 2023
DATE
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

SDD 08D01-23b

DD 08D01-23b

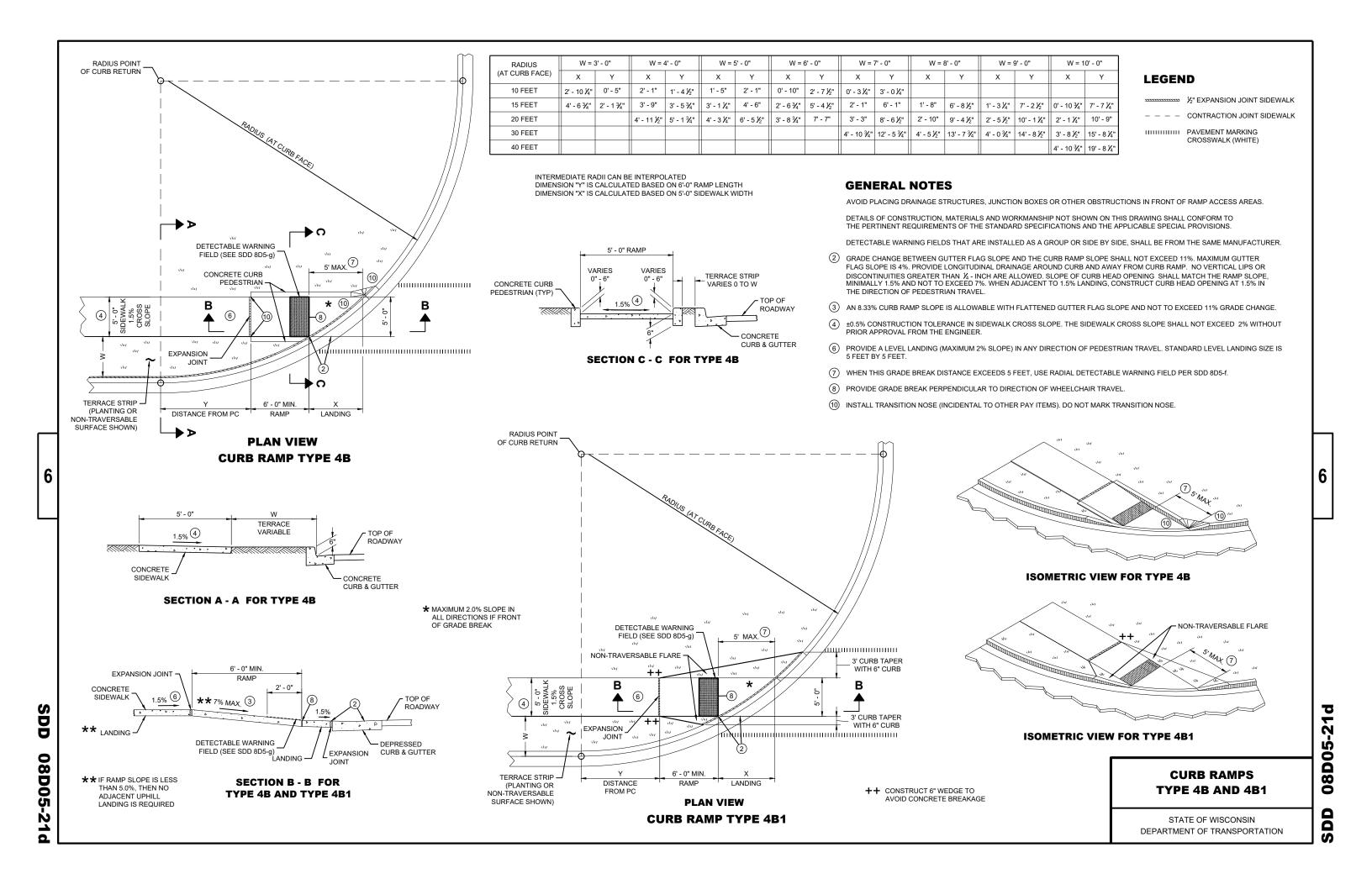


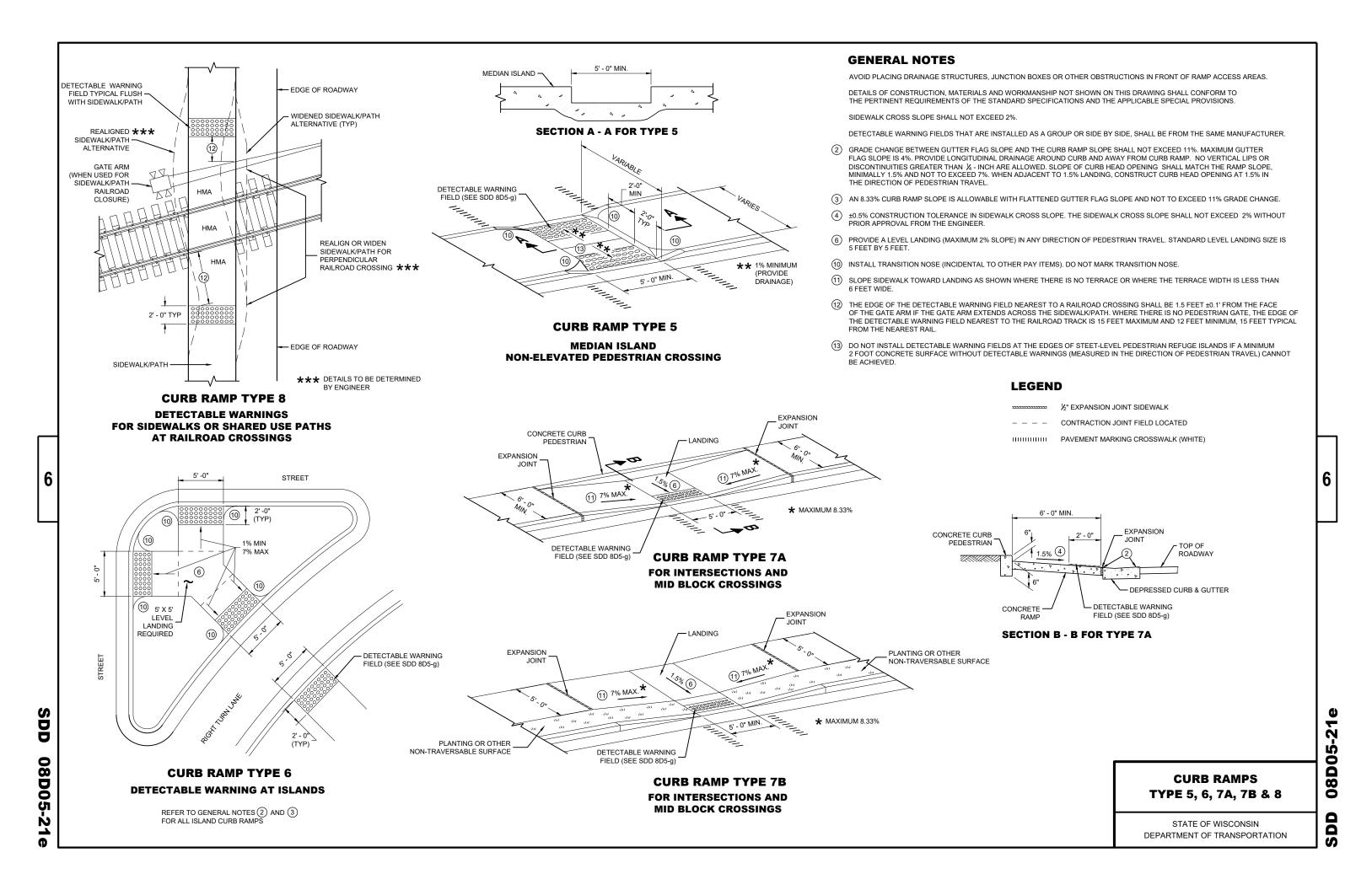


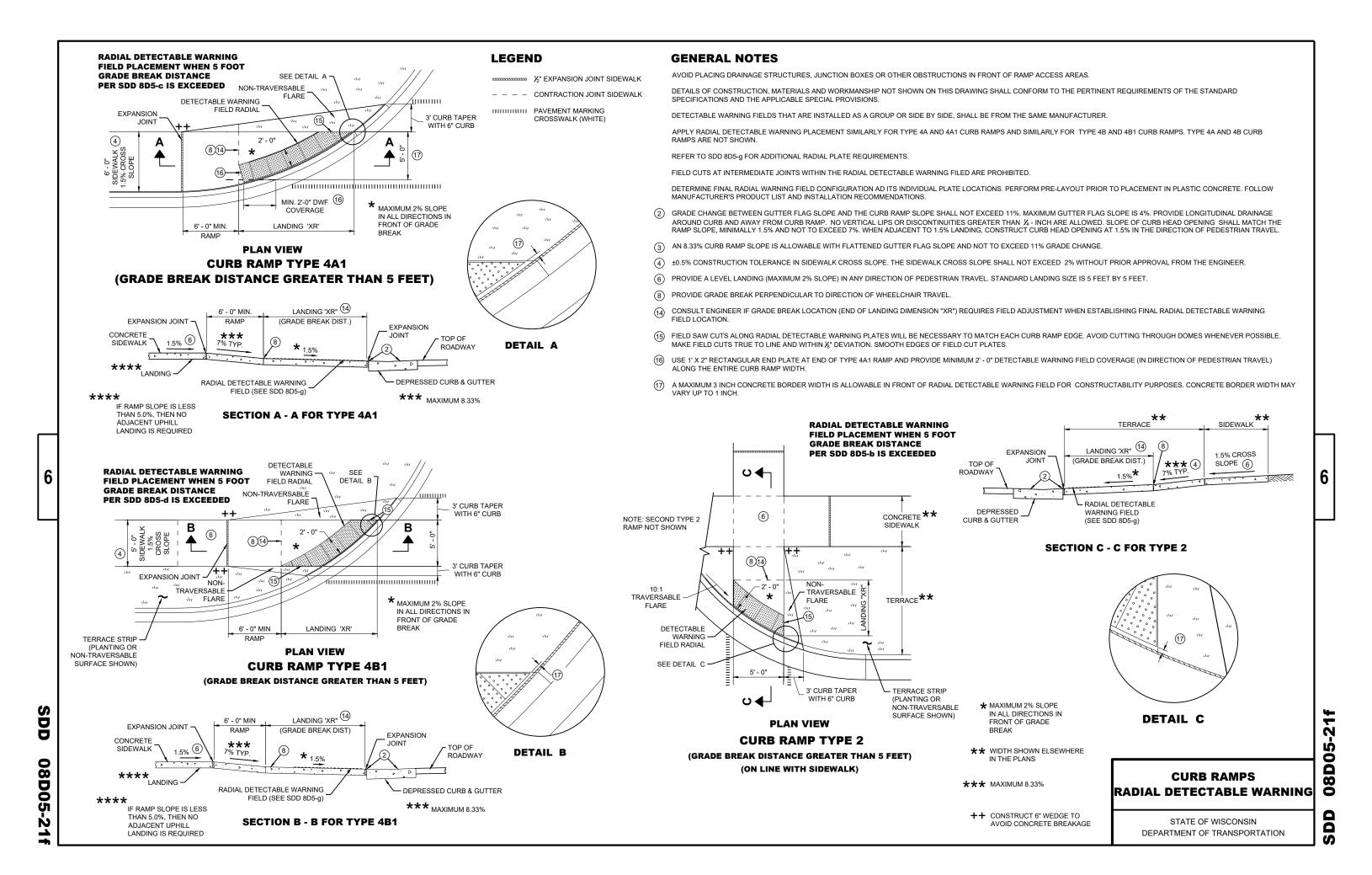
O

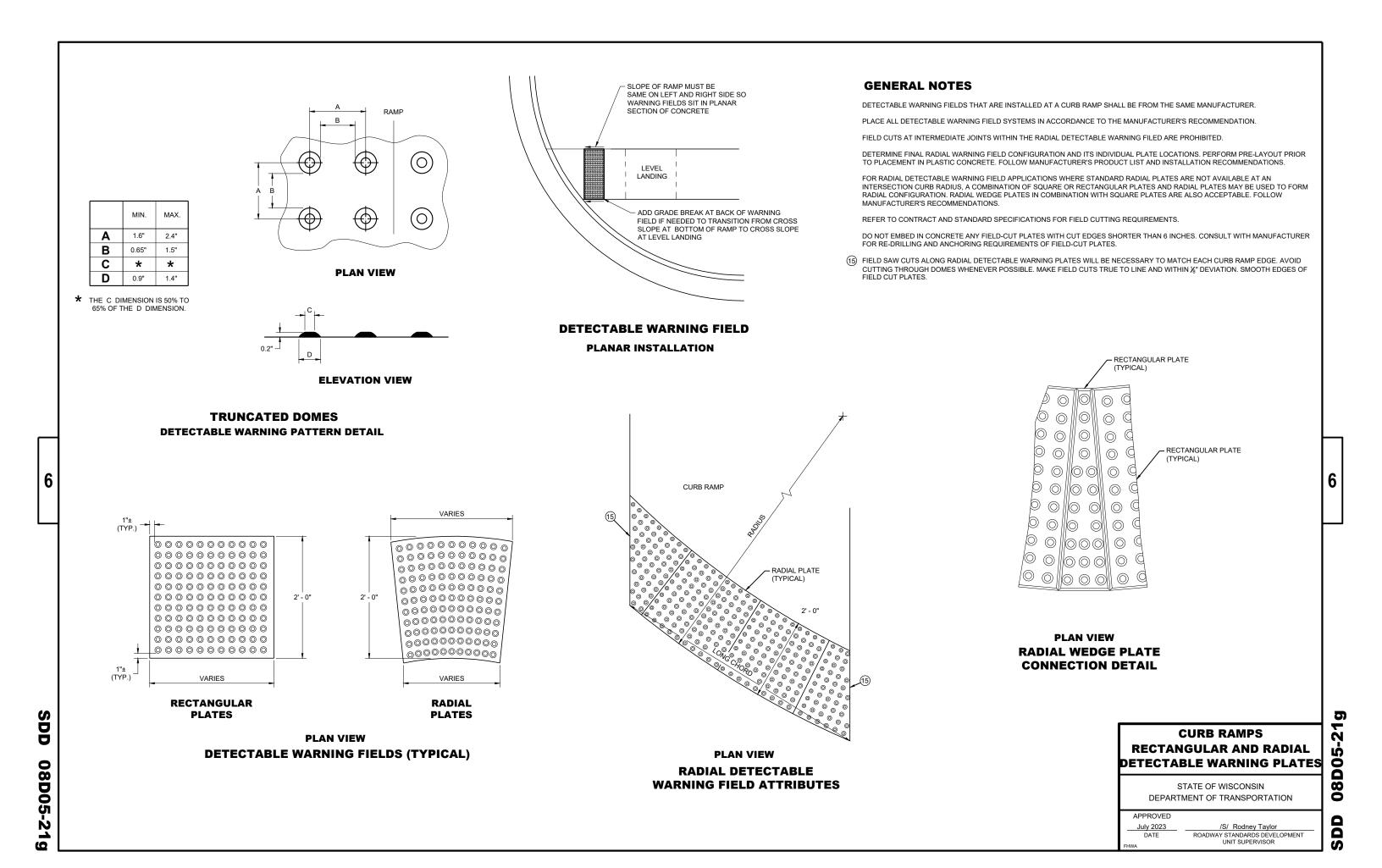
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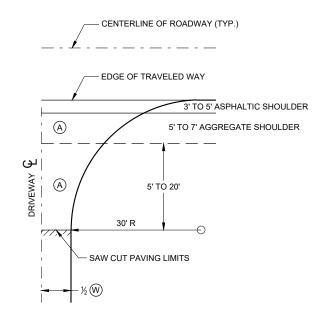
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



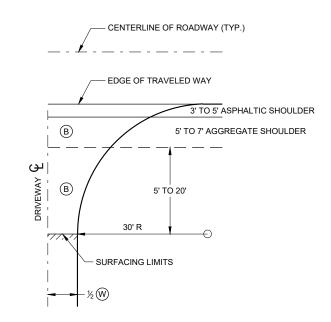






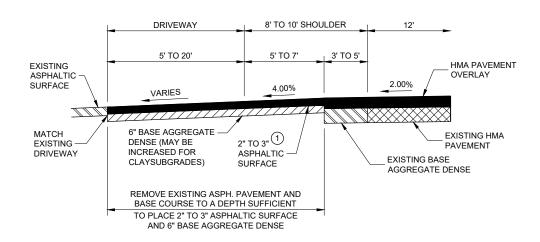


- (A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)
- ig(Big) : PAID FOR AS BASE AGGREGATE DENSE 1 $1\!\!\!/ _4$ " (TON)
- W): DRIVEWAY WIDTH 16' MIN. 24' MAX.

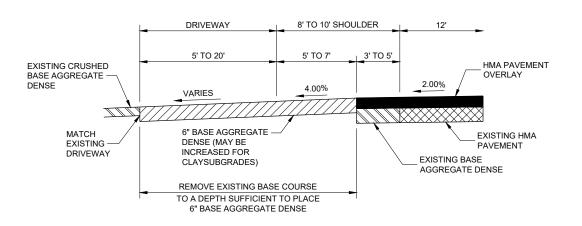


PLAN VIEW HALF SECTION





PROFILE VIEW RURAL ENTRANCE WITH ASPHALTIC SURFACE RESURFACING PROJECTS



PROFILE VIEW RURAL ENTRANCE WITH AGGREGATE SURFACE 6" BASE AGGREGATE DENSE RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING **PROJECTS RURAL**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 08

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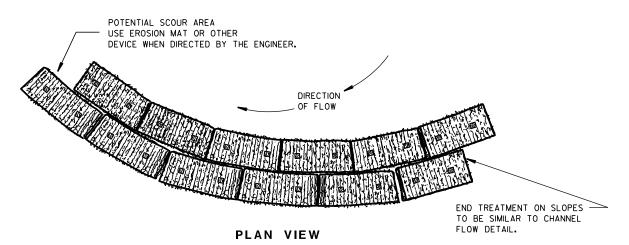
APPROVED /S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
ENGINEER December 2016 DATE

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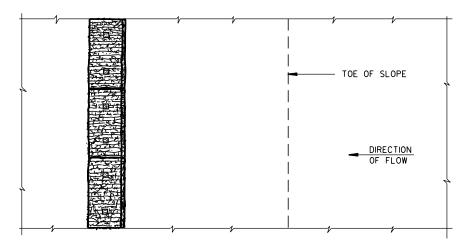
GENERAL NOTES

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.

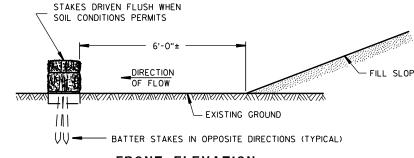
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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TYPICAL APPLICATION OF SILT FENCE

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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.

- \bigcirc 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 11/8" X 11/8" 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 TIE BACK

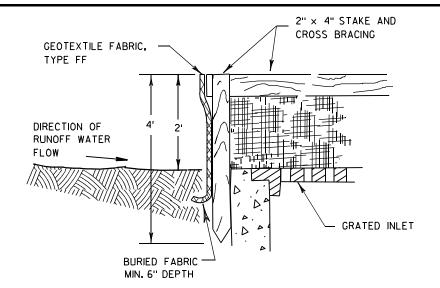
(WHEN REQUIRED BY THE ENGINEER)

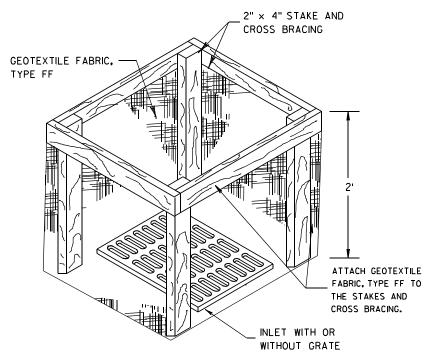


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INLET PROTECTION, TYPE A

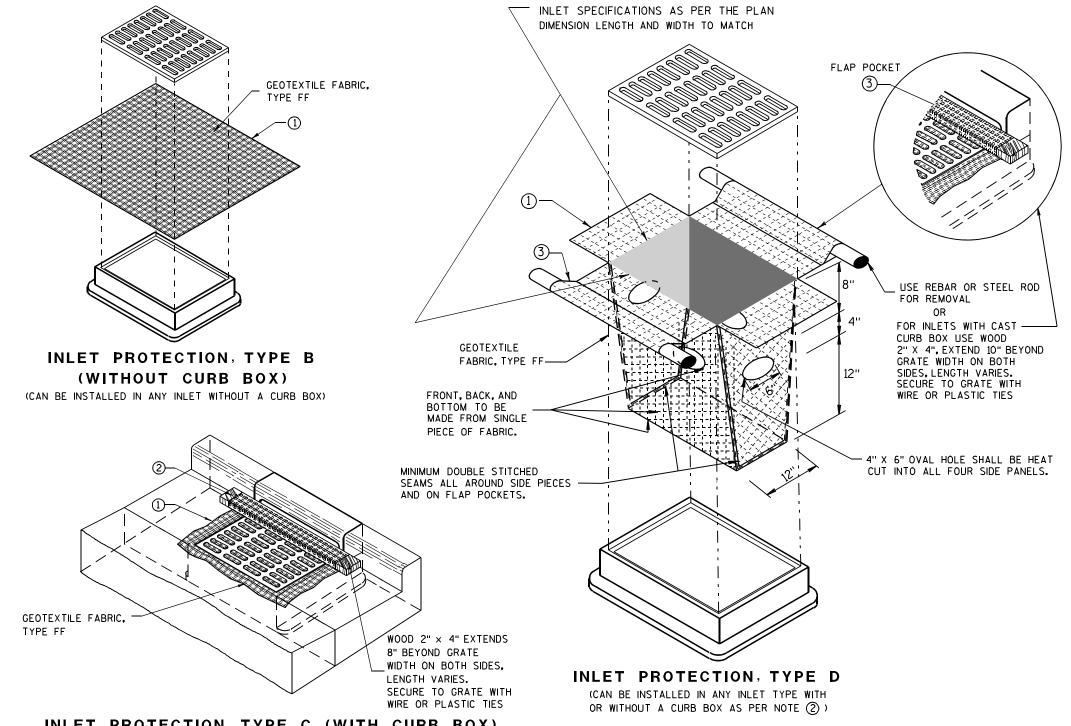
GENERAL NOTES

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

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.



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

10/16/02

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END CORNER

1/16" DIA. HOLES FOR

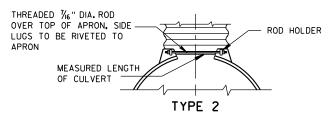
BOLTS OR RIVETS -

12" C-C MAX. SPACING

METAL APRON ENDWALLS											
PIPE	MIN. T	HICK.		DIMENSIONS (Inches)							
DIA. (IN.)	(Inches) STEEL ALUM.		A (±]")	-		L (±1 ½")	L L ₁ L ₂ (±1 ½") ① ①		₩ (±2")	SLOPE	BODY
12	.064	.060	6	6	6	21	12	171/2	24	2½+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	21/2+o 1	1 Pc.
18	.064	.060	8	10	6	31	15	281/4	36	$2\frac{1}{2}$ to 1	1Pc.
21	.064	.060	9	12	6	36	18	29%	42	$2\frac{1}{2}$ to 1	1Pc.
24	.064	. 075	10	13	6	41	18	371/4	48	21/2+0 1	1Pc.
30	.079	. 075	12	16	8	51	18	521/4	60	2½+o 1	1Pc.
36	.079	. 105	14	19	9	60	24	59¾	72	2½+o 1	2 Pc.
42	.109	. 105	16	22	11	69	24	75%	84	21/2+o 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 ¹ / ₄ †o 1	3 Pc.
54	.109	. 105	18	30	12	84	30	851/2	102	2 ¹ / ₄ †o 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	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	1½+0 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	ı	ı	150	1½+0 1	3 Pc.

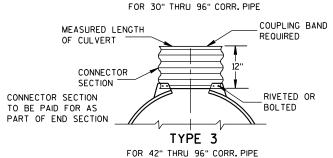
	REINFORCED CONCRETE APRON ENDWALLS										
PIPE		APPROX.									
DIA.	T	A	В	С	D	E	G	SLOPE			
12	2	4	24	48 1/8	721/8	24	2	3 to 1			
15	21/4	6	27	46	73	30	21/4	3 to 1			
18	$2\frac{1}{2}$	9	27	46	73	36	21/2	3 to 1			
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1			
24	3	91/2	431/2	30	731/2	48	3	3 to 1			
27	31/4	101/2	$49^{1}/_{2}$	24	731/2	54	31/4	3 to 1			
30	$3\frac{1}{2}$	12	54	193⁄4	731/2	60	31/2	3 to 1			
36	4	15	63	34¾	97¾	72	4	3 to 1			
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1			
48	5	24	72	26	98	84	5	3 to 1			
54	51/2		65	**************************************	98 ¹ /4- 100	90	51/2	2% to 1			
60	6	* ** 30-35	60	39	99	96	5	2 to 1			
66	61/2		* ** 72-78	* * * 21-27	99	102	51/2	2 to 1			
72	7	* ** 24-36	78	21	99	108	6	2 to 1			
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1			
84	8	36	901/2	21	1111/2	120	61/2	11/2+0 1			
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1			

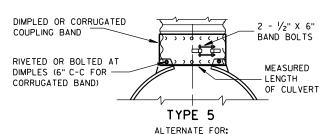
END SECTION CONNECTOR STRAP THREADED 76" DIA. ROD AROUND CULVERT & THROUGH CONNECTOR TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT



TYPE 1

FOR 12" THRU 24" CORR. PIPE





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

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.

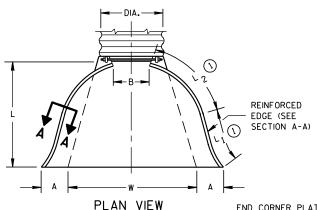
CONNECTION DETAILS

1" WIDE. 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION

*MINIMUM **MAXIMUM

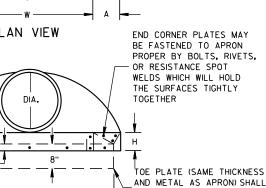
OPTIONAL

DESIGN



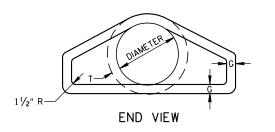
* EXCEPT CENTER PANEL

SEE GENERAL NOTES

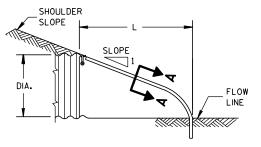


BE FURNISHED WHEN CALLED

FOR ON THE PLANS

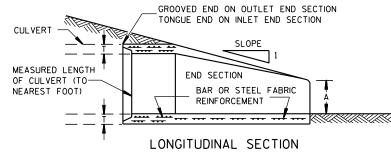


PLAN

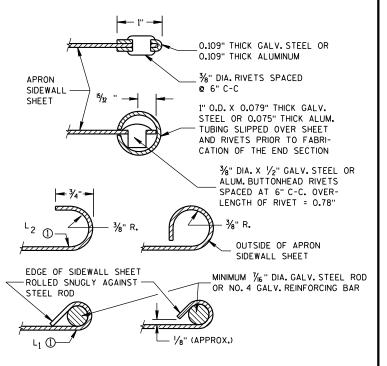


END VIEW





CONCRETE ENDWALLS



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

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.

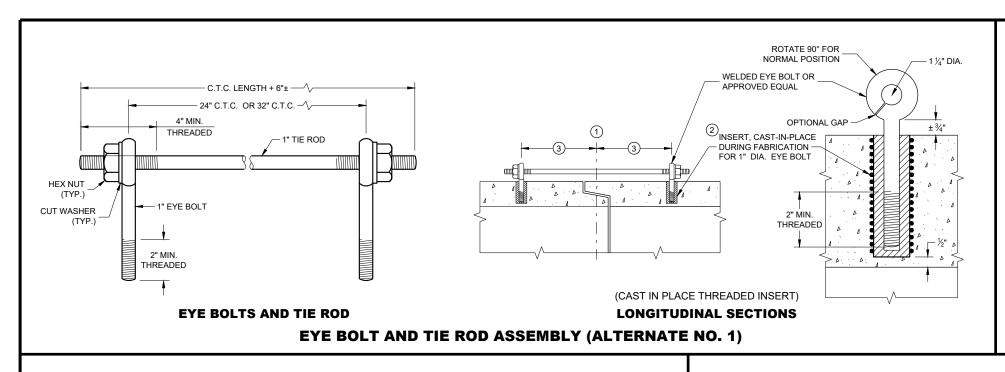
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

(1) FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER



GENERAL NOTES

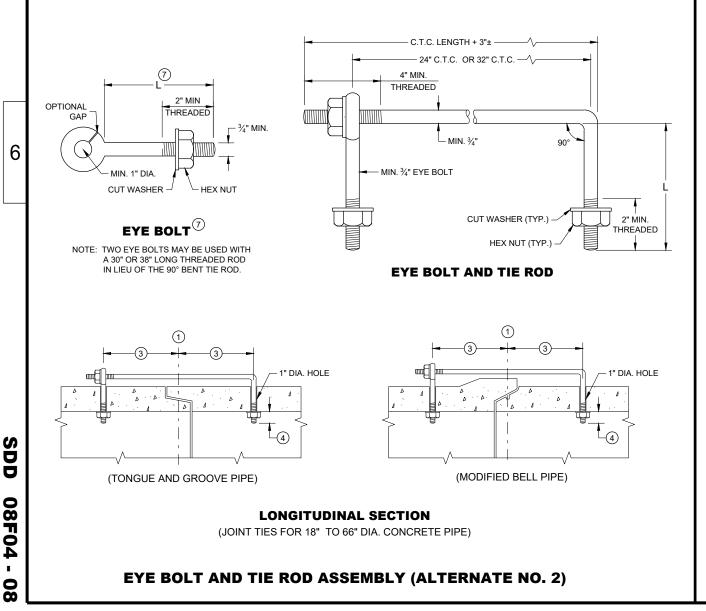
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

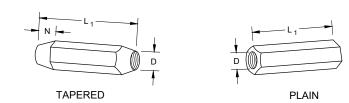
- 1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- 2 THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.
- (3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.
- 4 BOLT PROJECTION 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.



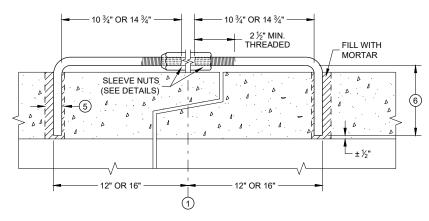
PIPE DIAMETER TIE ROD DIAMETER D L 1 N 12 - 60 ½ 5 ½ 66 - 84 ¾ ¾ 5 ½ 90 - 144 1 1 7 1½

ADJUSTABLE TIE ROD TABLE

DIMENSIONS SHOWN ARE IN INCHES

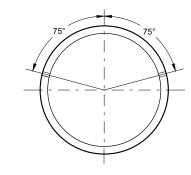


RIGHT AND LEFT THREADS
SLEEVE NUTS



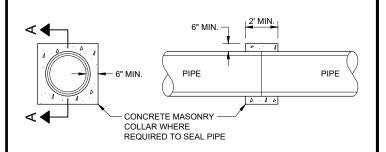
LONGITUDINAL SECTION

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

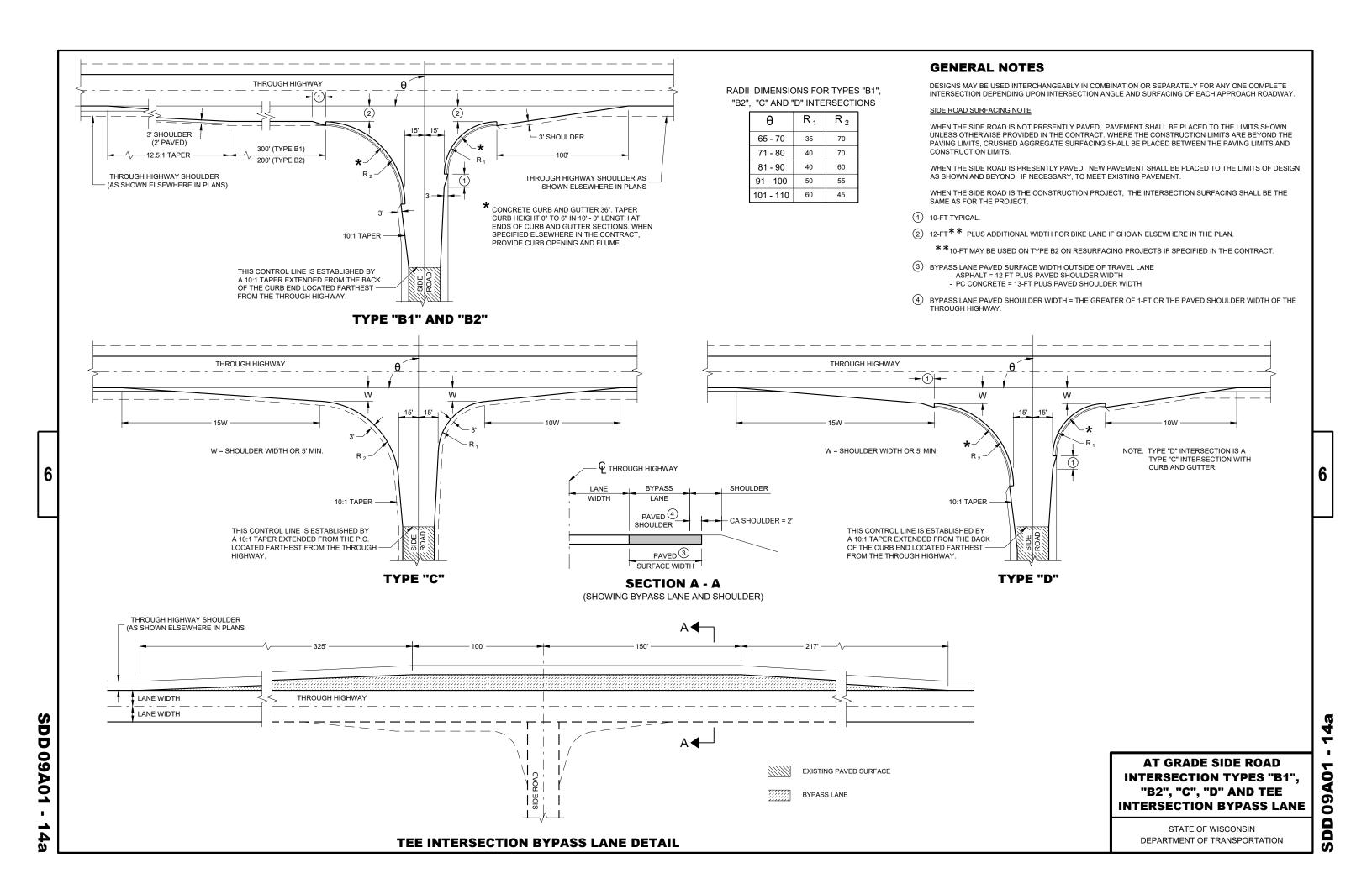
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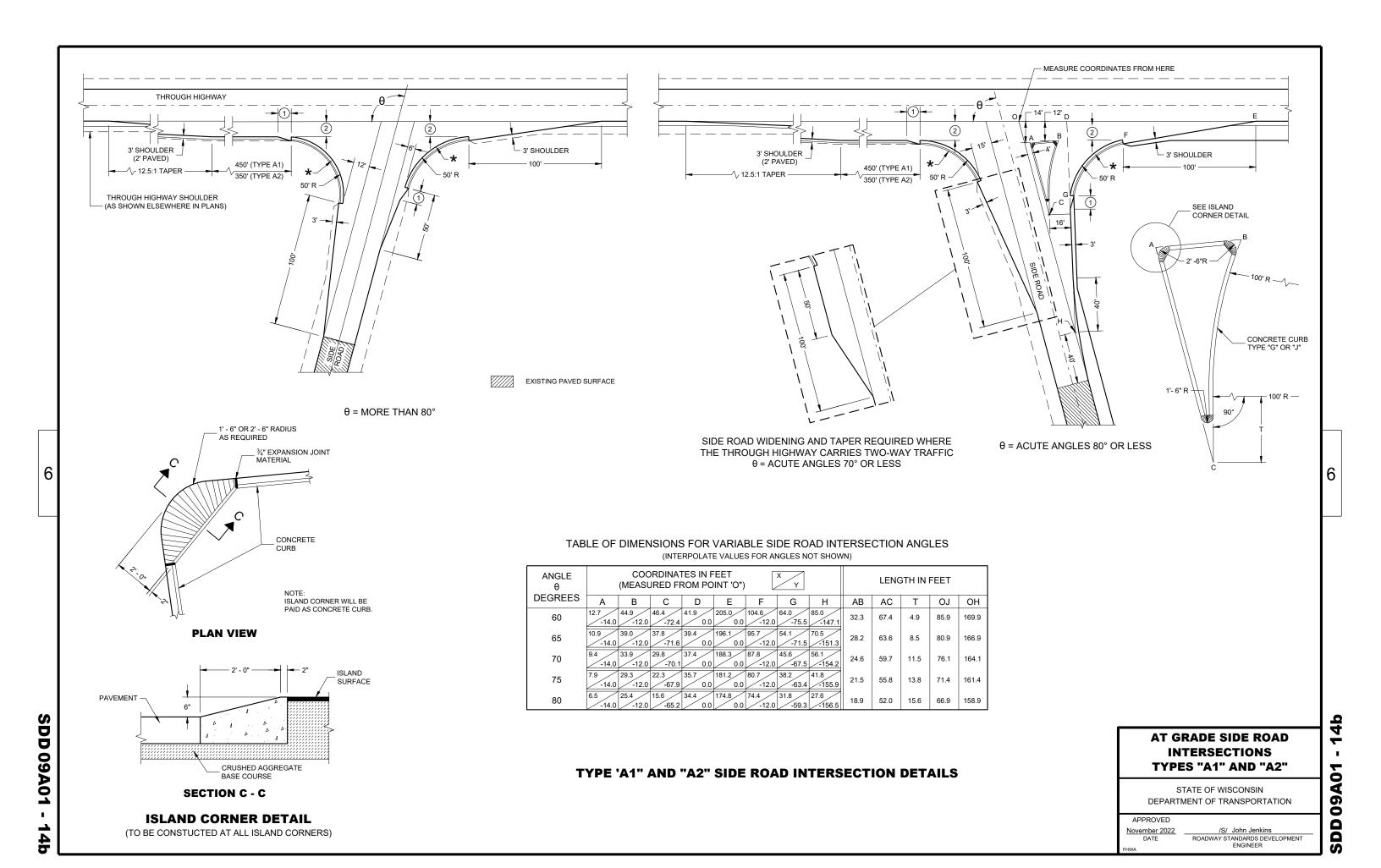
 November 2021
 /S/ R

 DATE
 ROADWAY STAN

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

D 08F04 - 08

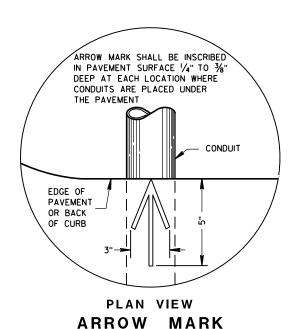




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ARROW MARK INSCRIBED IN PAVEMENT SURFACE OVER € OF CONDUIT (BOTH ENDS) — 2'-0"*—*∕ NORMAL PAVEMENT EDGE OF THICKNESS **PAVEMENT** PAVEMENT OR BACK OF CURB BASE COURSE BACKFILL SLOPE 1/8"/FT. EITHER DIRECTION *DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES - CONDUIT, PITCH TO DRAIN 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 REIN-STALLED 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

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.

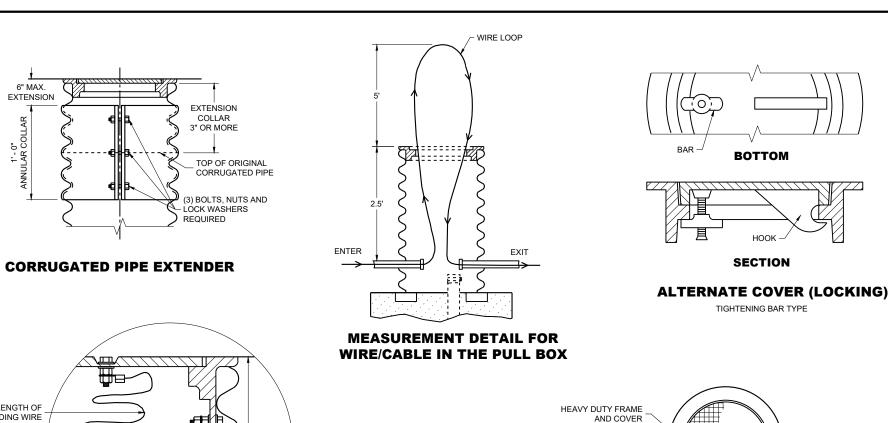
CONDUIT

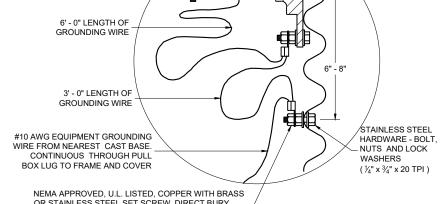
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
March, 2017	/S/ Ahmet Demirbilek
DATE	STATE ELECTRICAL ENGINEER







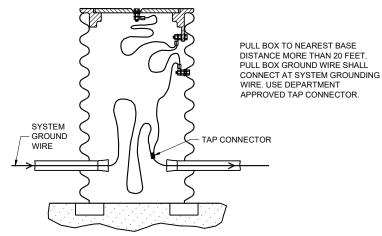


OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE

SD

09B04-

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

ELECTRIC 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 - FINAL GRADE 2" PVC PIPE CAP ON BOTH ENDS WITH 7 OR 8 1/4" ALL METALLIC CONDUIT ENDS HOLES DRILLED IN EACH SHALL BE REAMED AND THREADED END. INSTALL BELOW ALL OTHER PIPES. CUT OPENINGS AS REQUIRED IN THE FIELD ALL CONDUIT PITCHED TO 6" MIN DRAIN TO PULL BOXES

(TYP.)

2" DRAIN DUCT TO DITCH OR

SEWER WHEN

NO. 2 COARSE AGGREGATE

(SEE SECTION 501 OF THE

STANDARD SPECIFICATIONS)

SPECIFIED

4 TO 8 BRICKS **EQUALLY SPACED** INSTALL END BELLS (U.L. LISTED FOR ELECTRICAL USE) ON ALL NON-METALLIC CONDUIT BEFORE INSTALLATION OF WIRE AND/OR CABLE

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

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 1/2"

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

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE

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.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	А	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	В	24	30	36	24	30	36	36	42	48
WALL THICKNESS	С	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	Е	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 1/2	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 COVE	R	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

November 2024

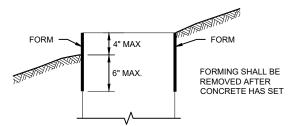
/S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER

PULL BOX

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QUANTITY	CONCRETE BASE TYPE					
REQUIREMENTS	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			

1" CONDUIT

PURPOSES

6" MIN

TYPE 2

CONCRETE BASES

FOR GROUNDING

FORMING DETAIL

GENERAL NOTES

CONDUIT

11 1/2" BOLT CIRCLE

(OUT TO OUT)

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.

1" CONDUIT

PURPOSES

6" DIA.

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

THE ROADWAY

CONDUIT

FOR GROUNDING

CONDUIT WITHIN

CONDUIT

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 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

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.

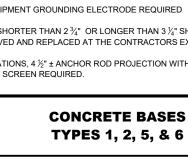
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

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).

- 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.
- (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.
- (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) 5/8" DIA. X 8'-0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED
- ANY ANCHOR ROD PROJECTION SHORTER THAN 2 3/4" OR LONGER THAN 3 1/4" 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.



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

STATE ELECTRICAL ENGINEER

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CONDUIT WITHIN **CONDUIT WITHIN** 12 3/4" BOLT CIRCLE 11 1/2" BOLT CIRCLE 6" DIA 6" DIA. ANCHOR RODS SHALL BE ANCHOR RODS SHALL BE ORIENTED PARALLEL TO ORIENTED PARALLEL TO (OUT TO OUT) THE ROADWAY THE ROADWAY FORM ALL EXPOSED **HALF SECTION IN HALF SECTION** CONCRETE, PROVIDE 1" CHAMFER ALL AROUND **UNPAVED AREA IN PAVEMENT** FORM ALL EXPOSED (TYPICAL FOR (TYPICAL FOR CONCRETE. PROVIDE TYPES 1, 2, 5 & 6) TYPES 1, 2, 5 & 6) 1" CHAMFER ALL AROUND 3" (11) 3" (11)(12) 6" MIN. 1' - 0" TOPSOIL AND SEED OR 3/4" PREFORMED FILLER CRUSHED AS APPROVED BY THE **AGGREGATE** - 3" CLEAR (9) **ENGINEER** 7' - 0" (5) MIN 10) OPTIONAL 4" L BEND OR HEX NUT (TYPICAL FOR TYPES 1, 2, 5 & 6

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5 & 6

TYPE 1

CONDUIT

FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND 3" (1) (12) 6" MIN. 1' - 0" - 3" CLEAR (9) 5' - 0" (8) 10 OPTIONAL 4" L BEND OR HEX NUT (TYPICAL FOR TYPES 1, 2, 5 & 6 6" MIN L 2"

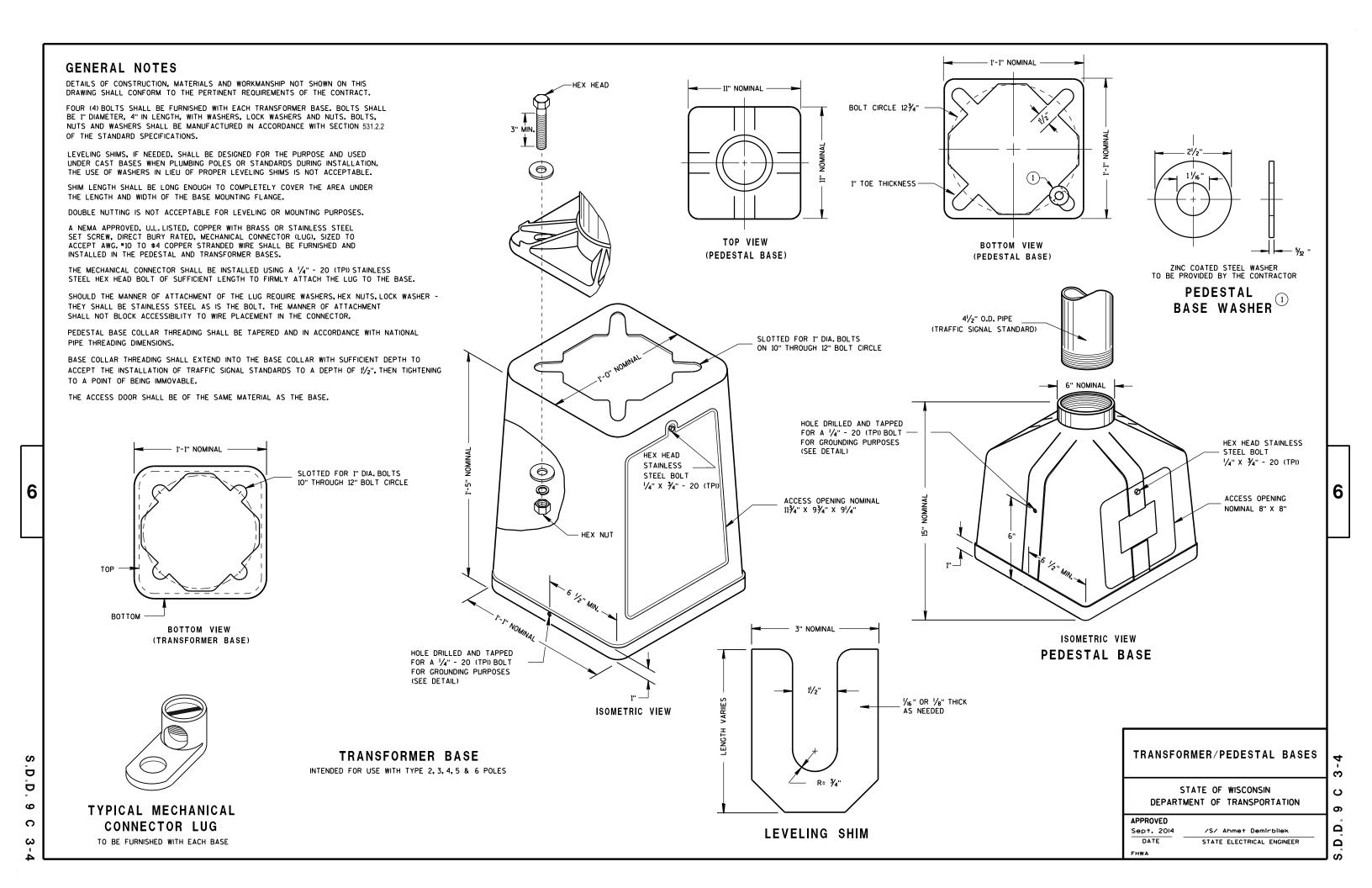
TYPE 5 & 6

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09C02

May 2019 DATE /S/ Ahmet Demirbilel



FORM ALL EXPOSED CONCRETE

2" CONDUIT

3" CONDUIT

24" PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE

PLAN VIEW CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

3" CONDUIT

INSTALL NUMBER OF CONDUITS REQUIRED BY PLAN.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

September 2014 DATE /S/ Ahmet Demerbilek STATE ELECTRICAL ENGINEER

09006

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4 ½ INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

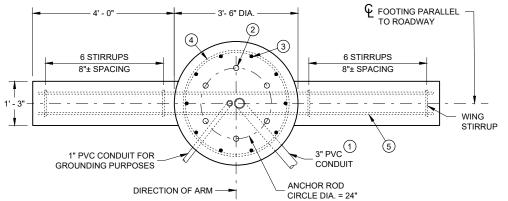
A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

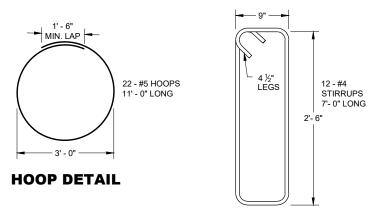
THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

- THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
- (2) (6) 1 3/4" DIA. X 7' 2" ANCHOR RODS
- (10) NO. 6 X 14' 1" BAR STEEL VERTICAL REINFORCEMENT.
- (4) (22) NO. 5 X 11'- 0" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.
- (5) (10) NO. 5 X 11' 0" BAR STEEL HORIZONTAL REINFORCEMENT

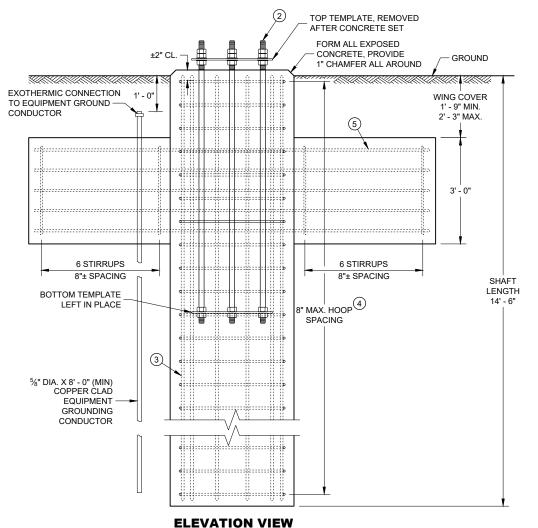
CONCRETE MASONRY	fc = 3.500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE	
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)	
TEMPLATES, ASTM A709, GRADE 36	fy = 36,000 p.s.i.



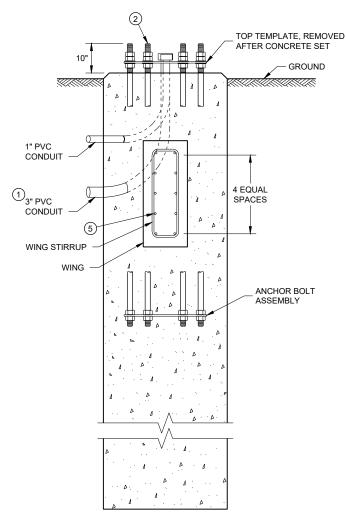




WING STIRRUP DETAIL



(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)

CONCRETE BASE, TYPE 13 (FOR TYPE 12, TYPE 13 AND OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 CUBIC YARD H.S. REINFORCEMENT = 635 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION

CONCRETE BASE TYPE 13

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

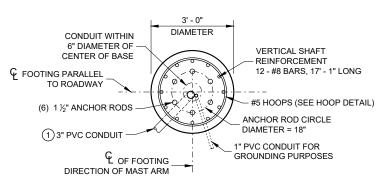
WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.





FORM DEPTH SHALL BE
NO MORE THAN 4" BELOW
GRADE ON THE LOWER
SIDE OF BASE

FORM

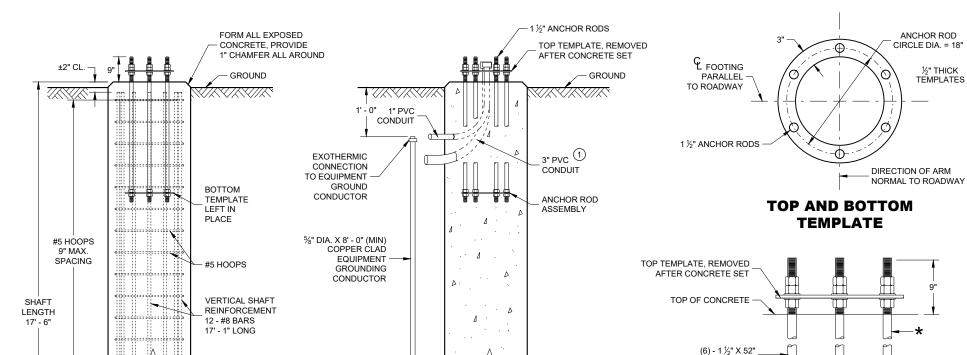
4" MAX

FORM

F

PLAN VIEW

FORMING DETAIL



SIDE VIEW (HOOPS AND VERTICAL SHAFT REINFORCEMENT

NOT SHOWN ON THIS VIEW FOR CLARITY)

ANCHOR ROD ASSEMBLY DETAILS

ANCHOR RODS

BOTTOM TEMPLATE LEFT IN PLACE

★ THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL (FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

#5 HOOPS

ELEVATION VIEW

(CONDUITS NOT SHOWN ON

THIS VIEW FOR CLARITY)

CONCRETE = 4.6 CUBIC YARD H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

THREAD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

 APPROVED
 /S/ Alex Crabtree

 August 2020
 /S/ Alex Crabtree

 DATE
 WIND LOADED STRUCTURES PROGRAM LEADER

SDD 09C15-01

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DD 09C15-0

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CABINET BASE (IF FLUSH MOUNTING POSSIBLE, CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN

MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL

UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL

CABINET SERVICE INSTALLATION

STATE OF WISCONSIN

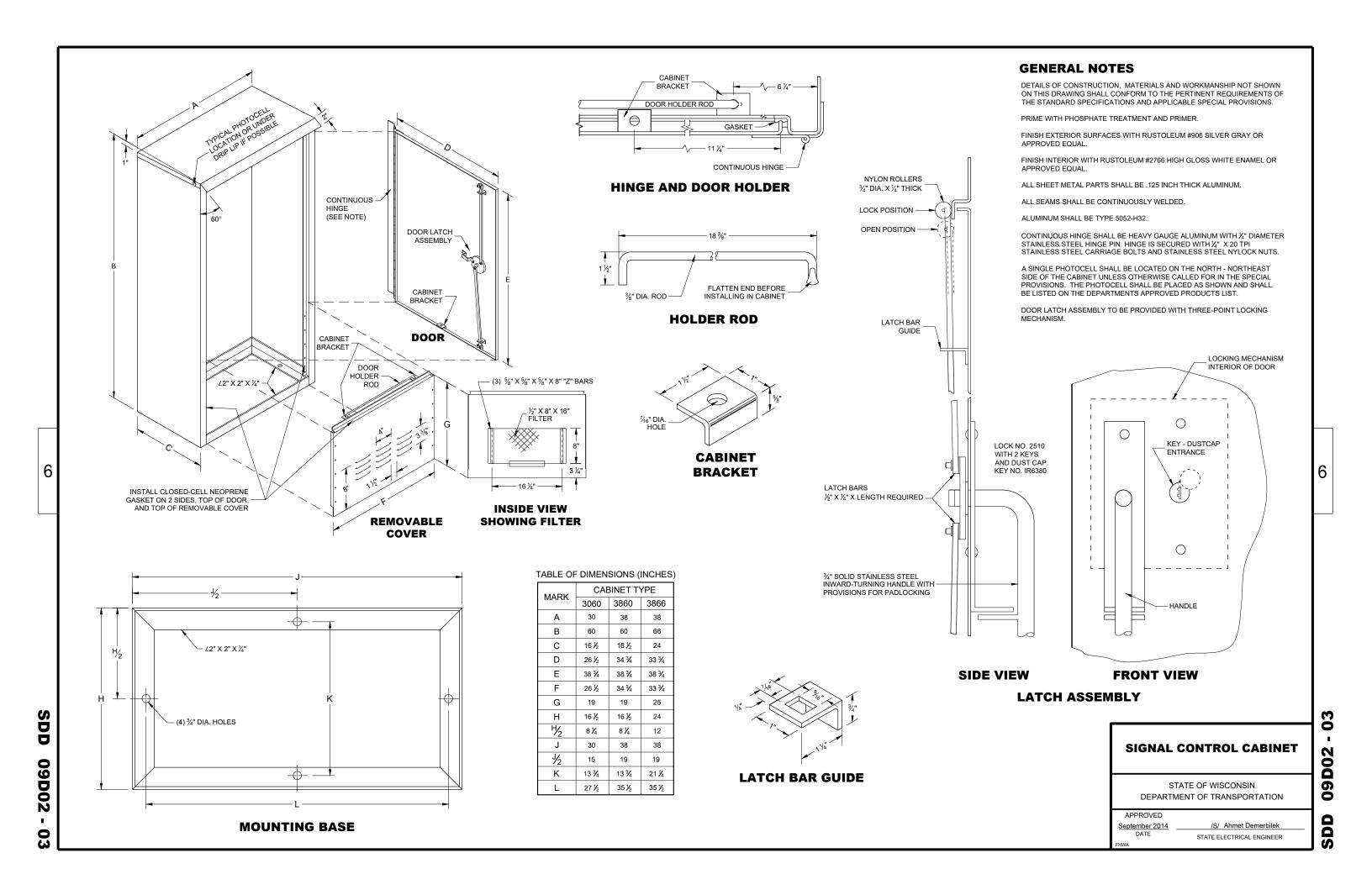
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APPROVED Sept. 2014 /S/ Ahmet Demirbilek

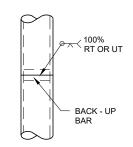
DATE STATE ELECTRICAL ENGINEER FHWA



SECTION A-A (10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

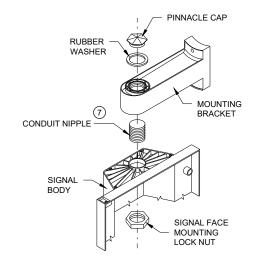
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



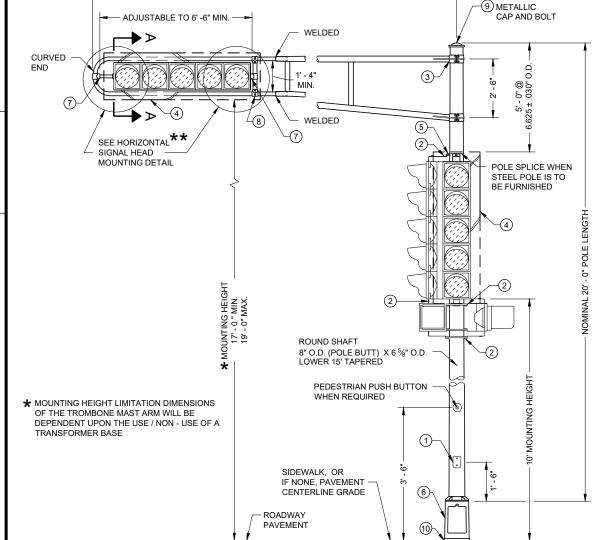
(MAXIMUM LOAD)

VENTILATED

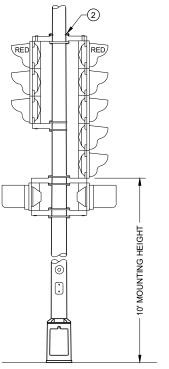
POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL (BANDED)



VARIABI F 25' - 0" LENGTH FOR DESIGN CALCULATION



TYPICAL MOUNTING OF BACK TO BACK **3 AND 5 SECTION SIGNAL FACES**

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THEPERTINENT REQUIREMENTS OF THE CONTRACT.

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

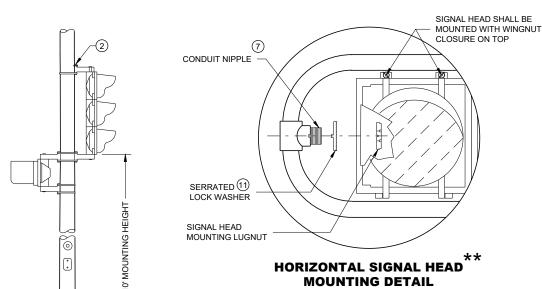
WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE

- 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) $\mbox{$\chi$}$ " 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.
- SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.
- ③ GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 %" HOLE IN POLE SHAFT FOR WIRING.
- (4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS
- (5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.
- (6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

TYPICAL MOUNTING OF 3 SECTION

SIGNAL FACE

- (7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS
- (8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (χ " x χ " 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.
- 9 FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) $\frac{1}{4}$ " X $\frac{3}{4}$ " - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.
- (1) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.
- (11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.



** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

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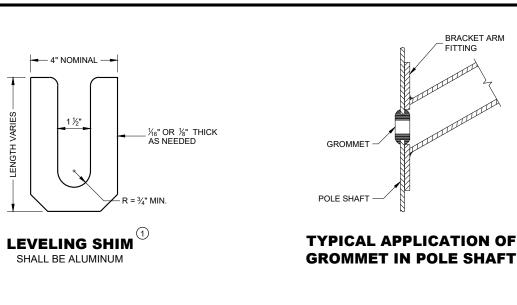
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

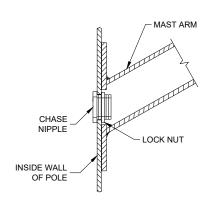
TYPE 2 POLE MOUNTING CONFIGURATION











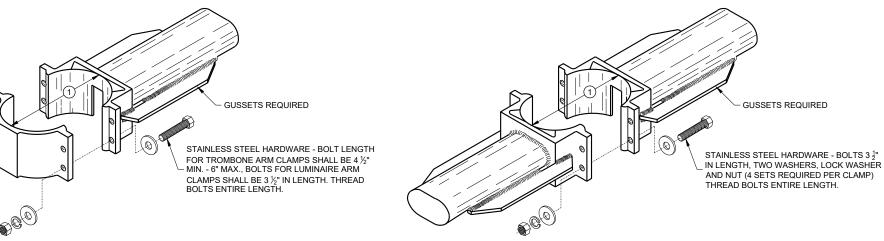
TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

- (1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.
- (2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)
- 3 BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER
- 4 LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE

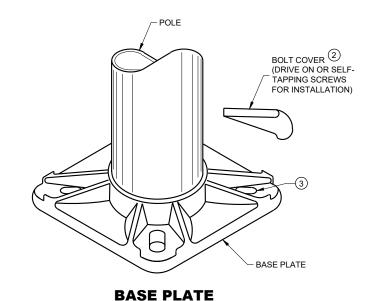
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



"J " HOOK DOOR SIDE HOOK FACTORY 1 3 RACEWAY HOLE - OPPOSITE WELDED TO POLE DOOR (180° SIDE) IF CALLED FOR

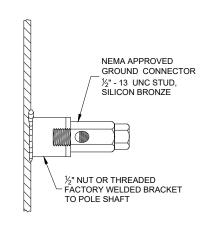
TYPICAL "J" HOOK LOCATION

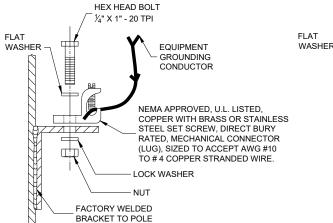
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

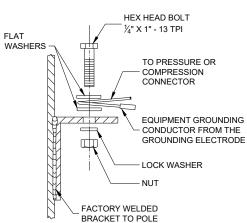


TYPICAL TROMBONE MAST ARM AND SINGLE

LUMINAIRE MAST ARM MOUNTING CLAMP







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

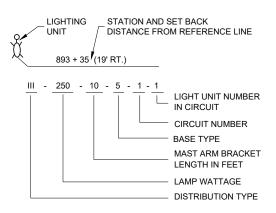
APPROVED November 2018 DATE

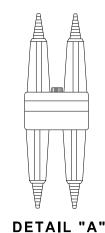
/S/ Ahmet Demirbilel STATE ELECTRICAL ENGINEER

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



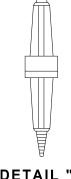


BREAKAWAY

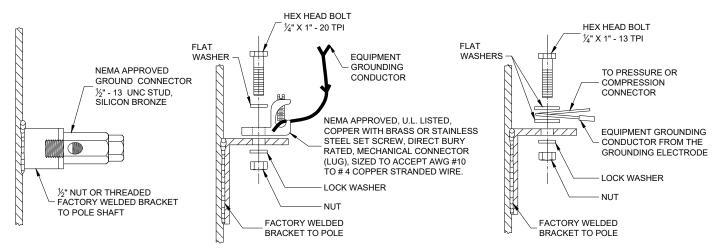
DOUBLE POLE WITH

WATERPROOF

INSULATING BOOT



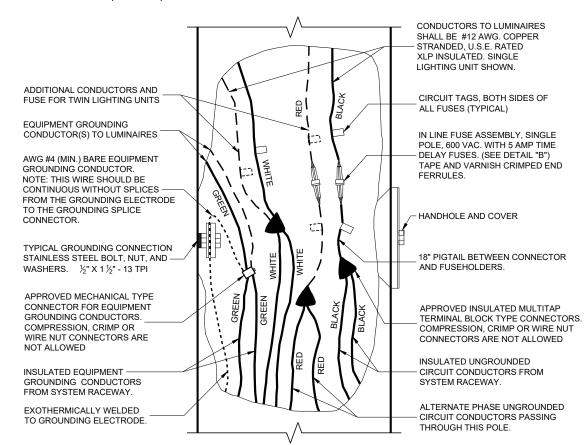
DETAIL "B"
BREAKAWAY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



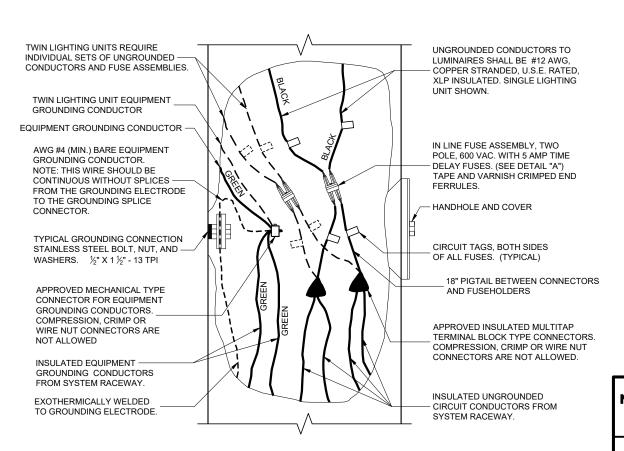
TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

LIGHTING UNIT CODE (TYPICAL)



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS)
WITH GROUNDING CONDUCTOR AND
EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS)
WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

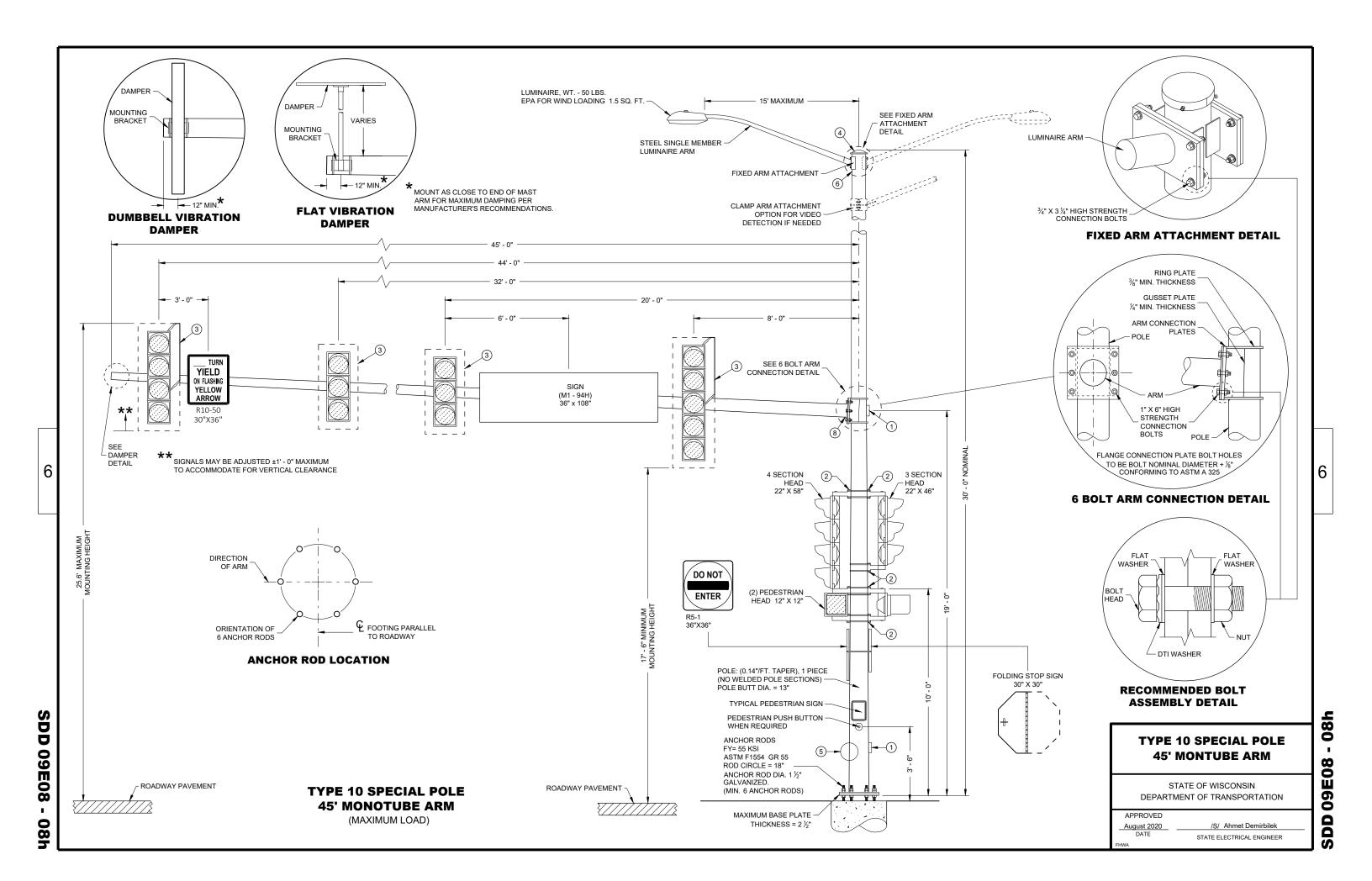
APPROVED

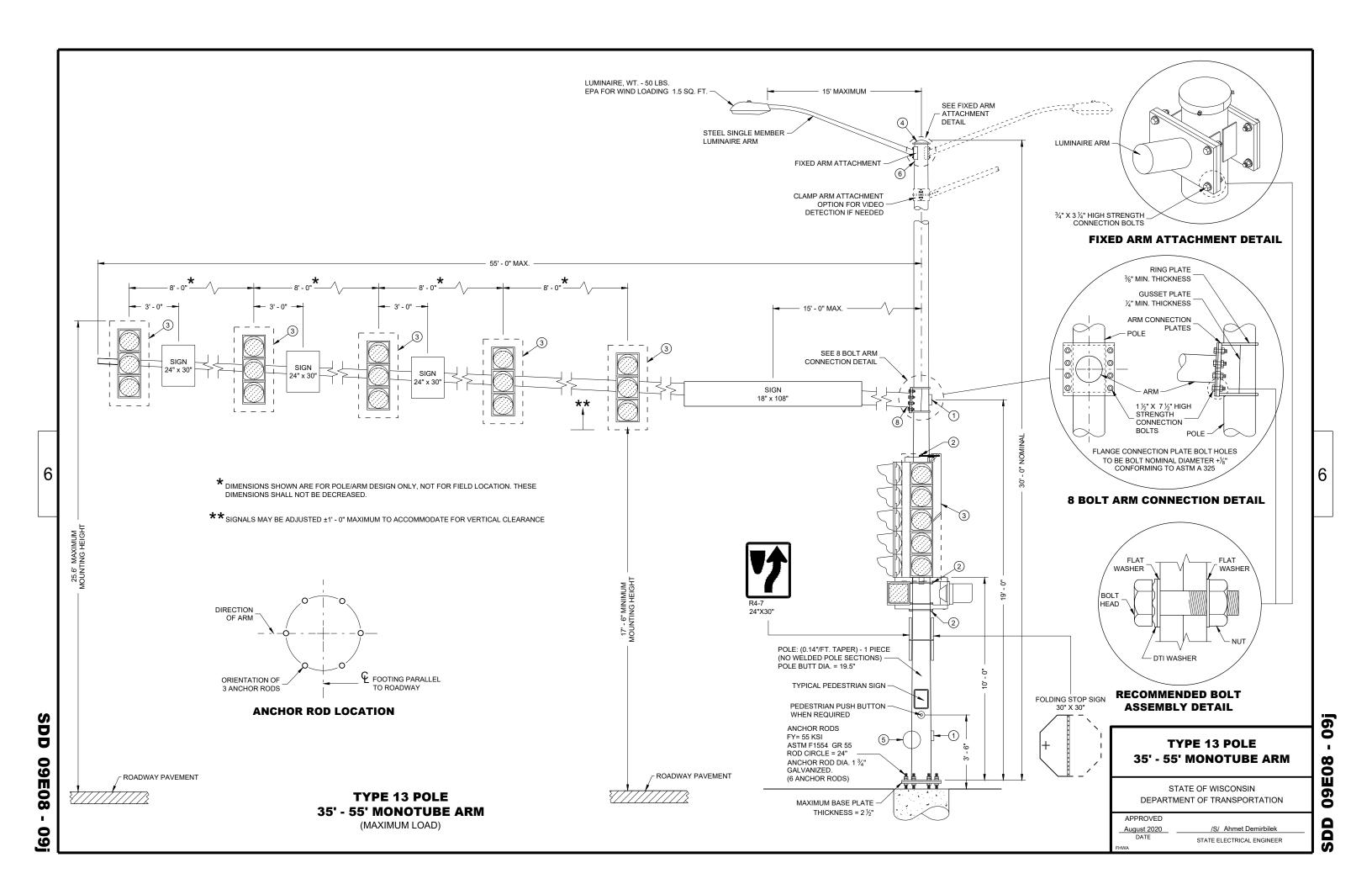
November 2018 /S/ Ahmet Demirbilek

DATE STATE ELECTRICAL ENGINEER

SDD 09E03-06

DD 09E03 -





POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH 3/4" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL χ " HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL MOUNT ALL LIKE HEAD AT SAME ELEVATION.

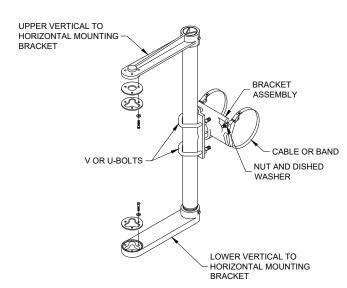
SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

- 1 DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¾" X ¾" 20 TPI STAINLESS STEEL
- SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).
- SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER
- THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.
- FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR 1/2" X 1/2" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.
- FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE
- INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

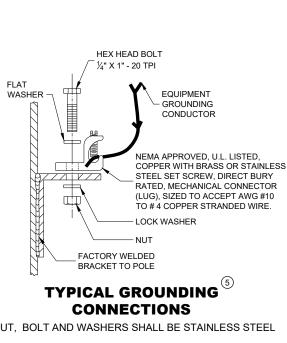
MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED 1/2" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE



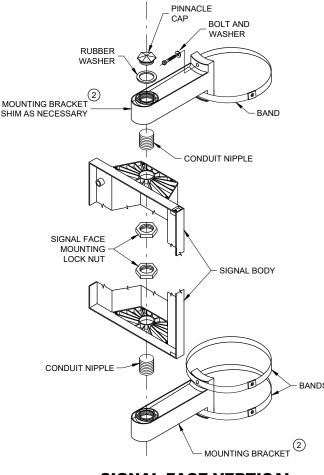
SIGNAL FACE MOUNTING BRACKET **DETAIL FOR MONOTUBE ARM**

(MOUNT PER MANFACTURER'S RECOMMENDATION)

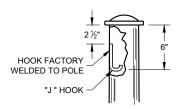


TYPICAL GROUNDING

NUT. BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL **MOUNTING DETAIL**



TYPICAL "J" HOOK **WIRE SUPPORT**

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 **POLES WITH MONOTUBE ARMS**

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STATE OF WISCONSIN

APPROVED August 2020 DATE

STRUCTURAL IDENTIFICATION **PLAQUE PLACEMENT**

TT YY

6' - 0"

DD 09E08

DEPARTMENT OF TRANSPORTATION /S/ Ahmet Demirbilel STATE ELECTRICAL ENGINEER

LOOP DETECTOR INSTALLATION DETAIL

SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER

WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

3'- 0" OR AS 3'- 0" OR AS SHOWN ON THE SHOWN ON THE PLAN SHEET PLAN SHEET - PLACE LOOP IN CENTER OF LANE(S) -- PLACE LOOP IN CENTER OF LANE(S) 1" PVC CONDUIT 1" PVC CONDUIT HOME RUN HOME RUN CONDUIT CONDUIT - 1" COUPLING 1" COUPLING 1" COUPLING 1" COUPLING -6' OR AS SHOWN 6' OR AS SHOWN ON PLANSHEET ON PLANSHEET В (SPLICE) (SPLICE) 3'- 0" MAX. OR AS SHOWN 3'- 0" MAX. OR AS SHOWN BOX ON THE PLAN SHEET ON THE PLAN SHEET **TYPICAL PLAN LOOP DETECTOR** WITH 24" PULL (SPLICE) BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

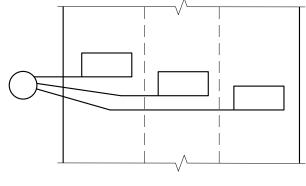
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED **IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)**

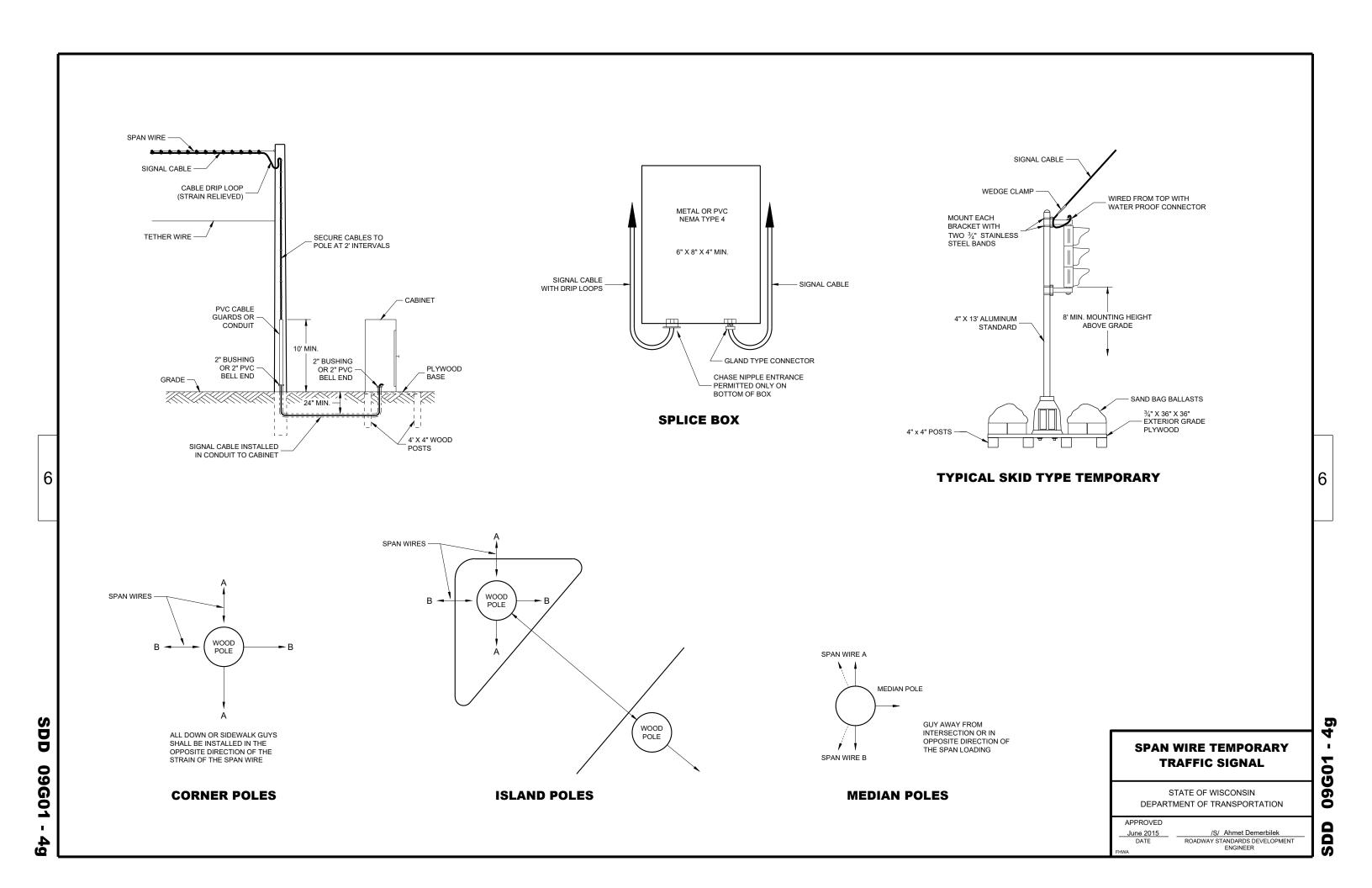
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

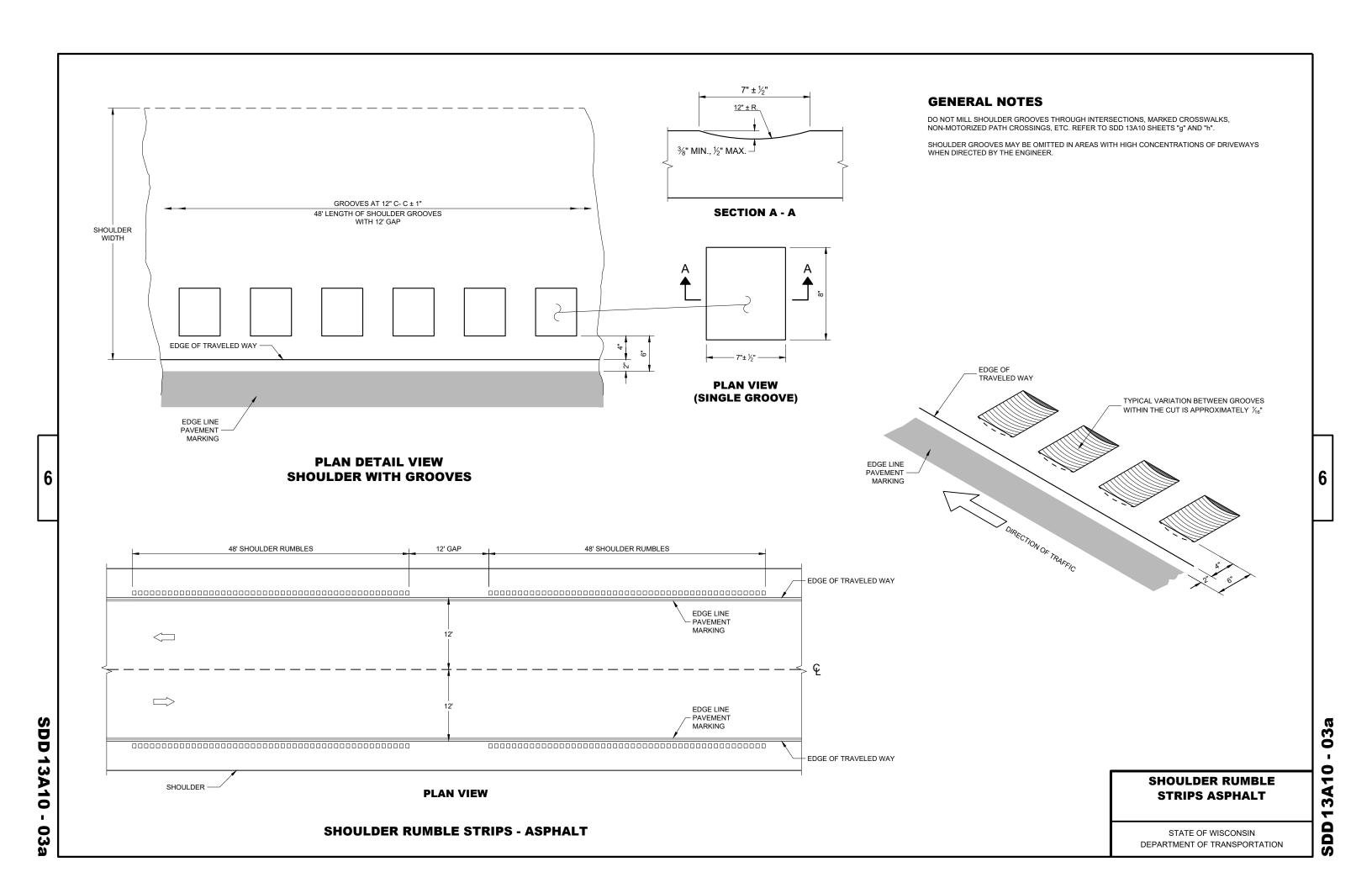
APPROVED September 2014 DATE

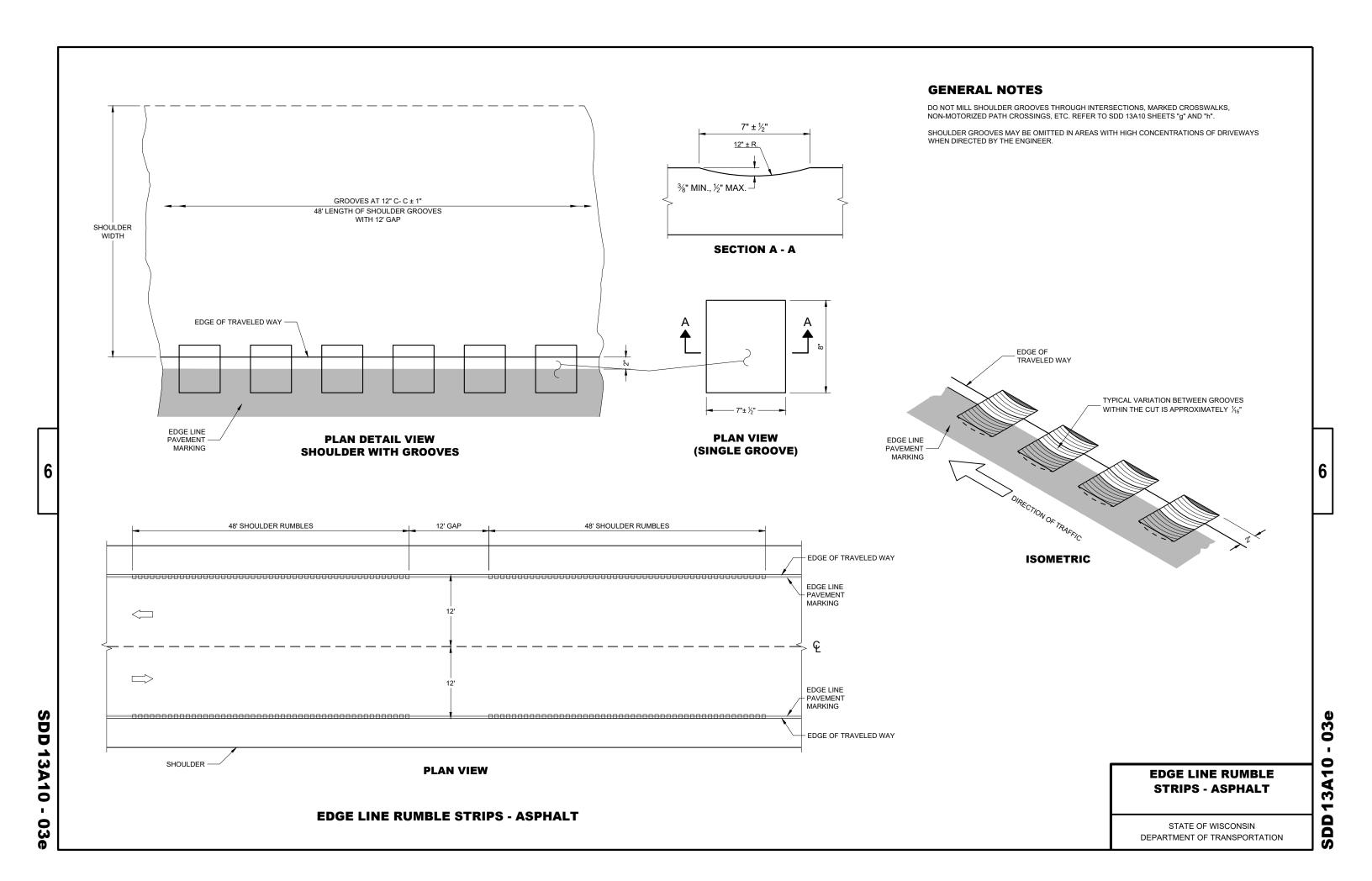
/S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER

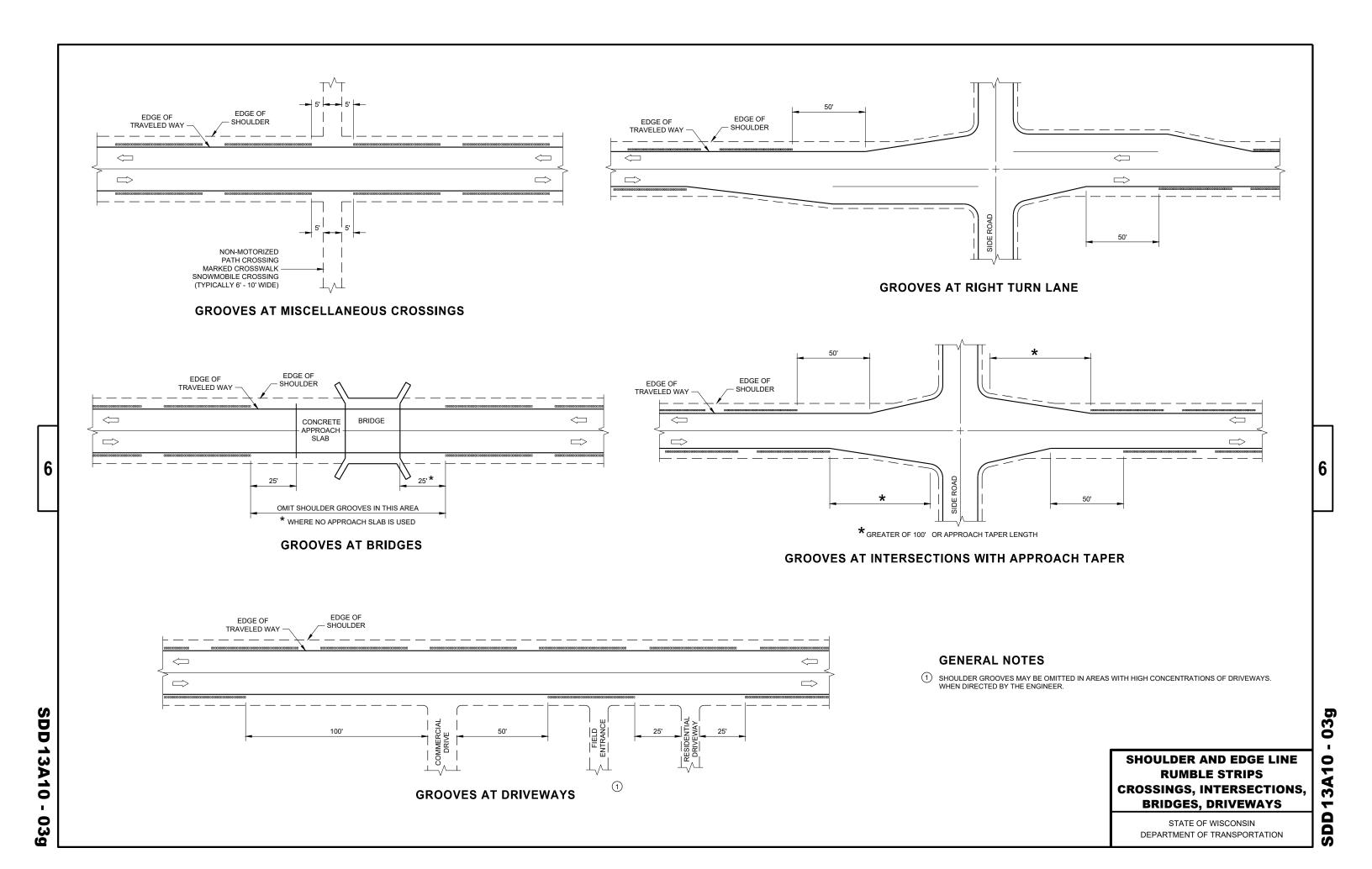
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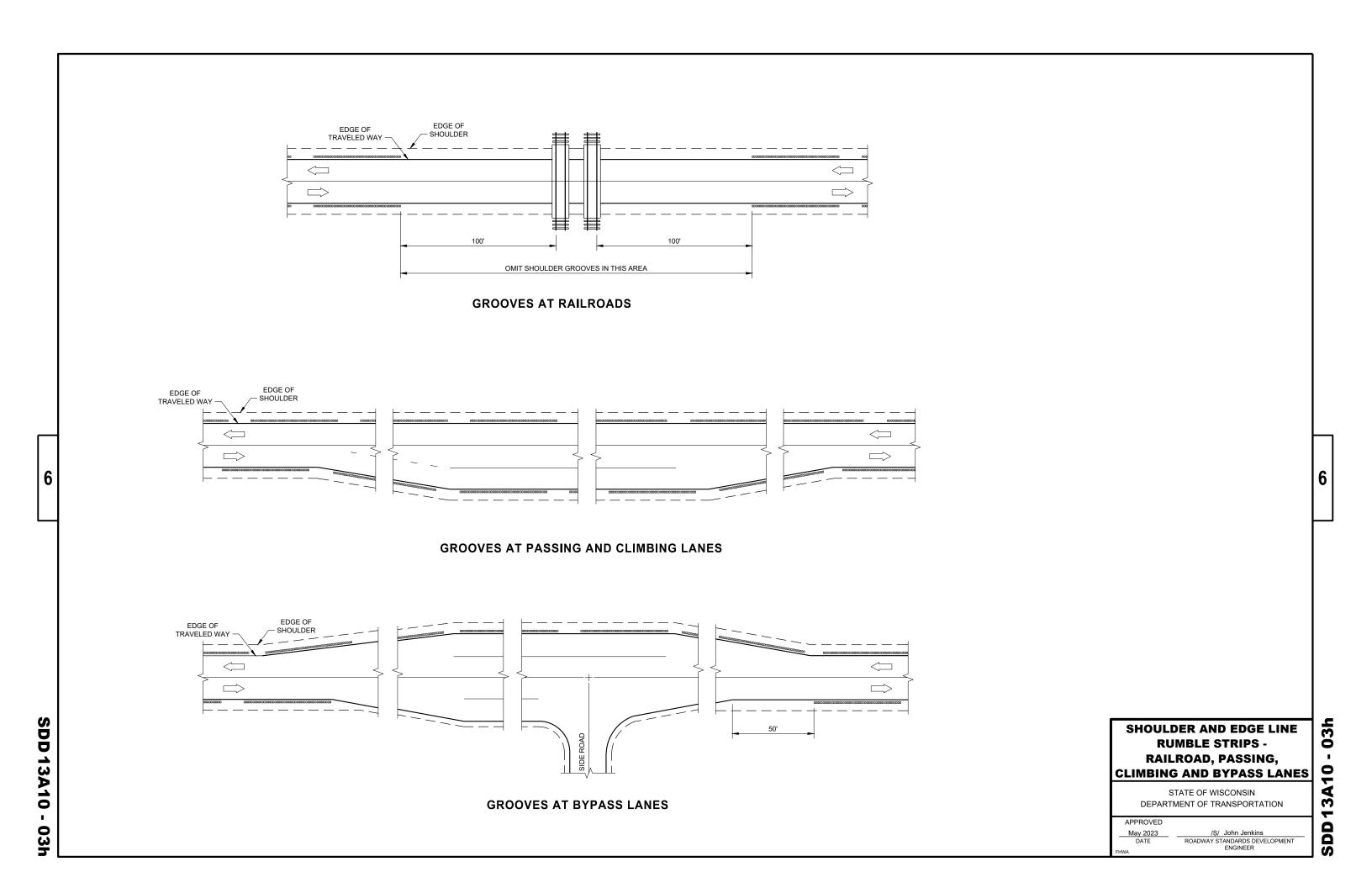
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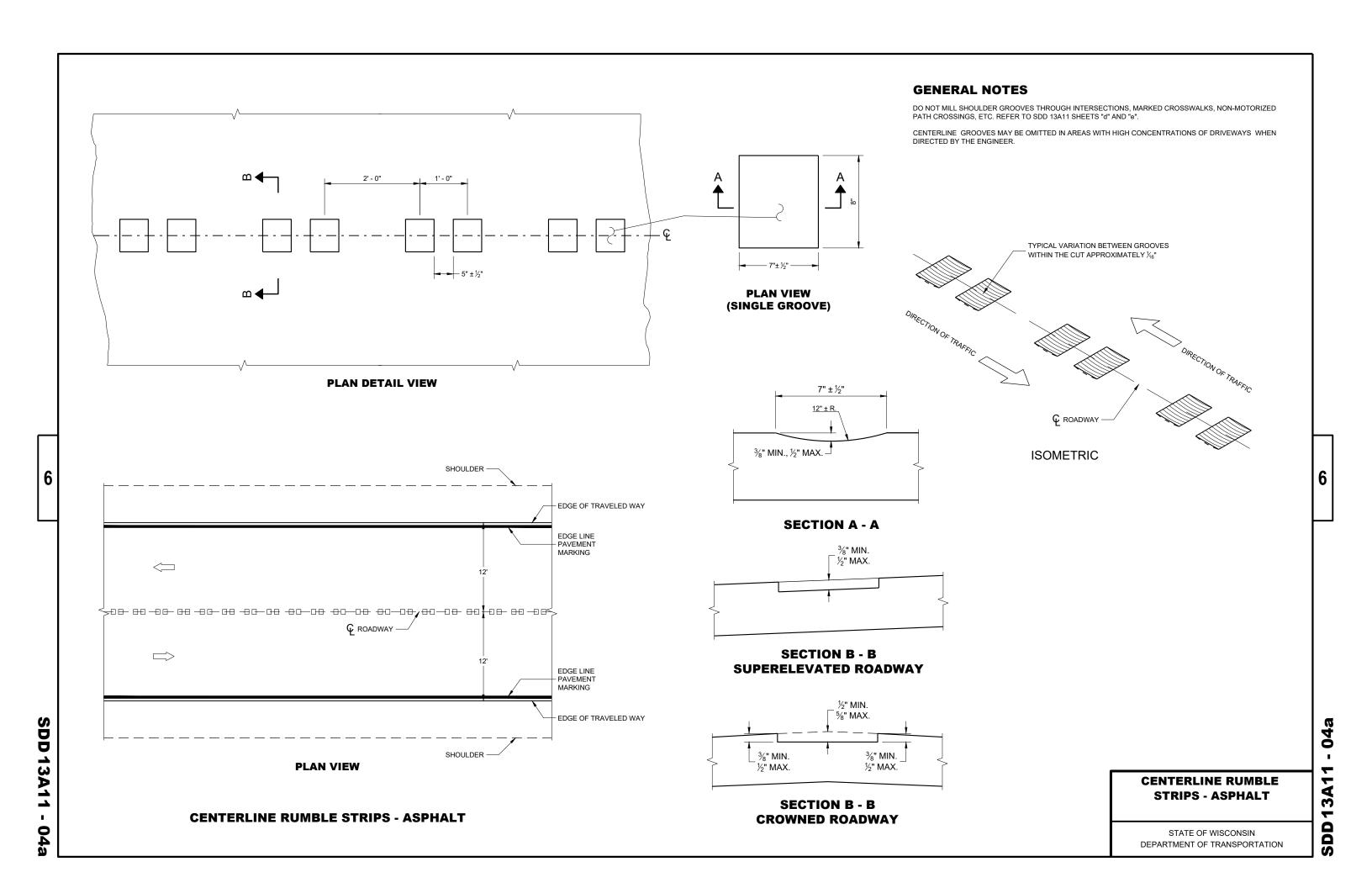


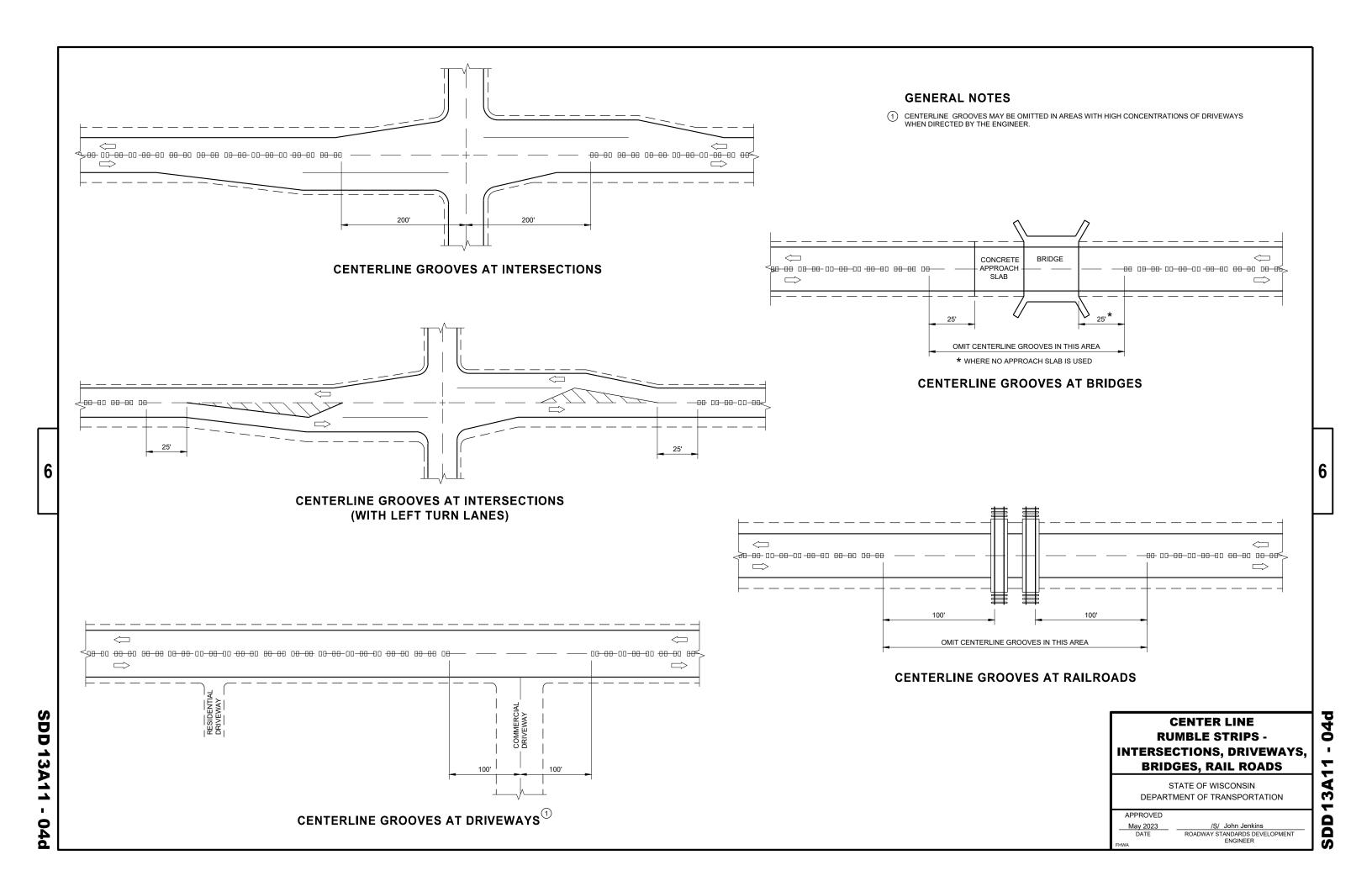


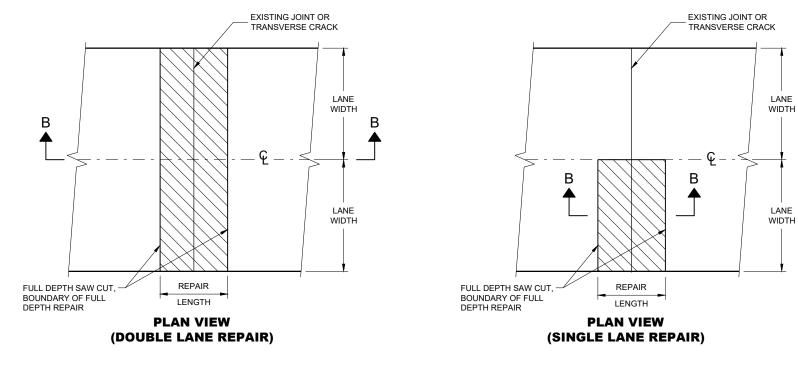




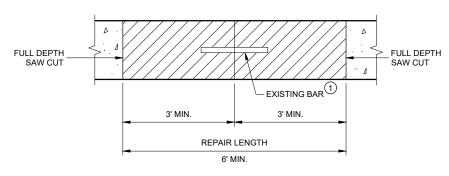








FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B CONCRETE REMOVAL

GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE

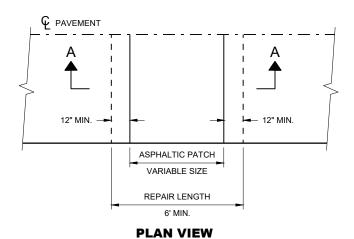
PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

1 DOWEL BARS MAY NOT BE PRESENT.

LANE

LANE



REMOVE ASPHALTIC PATCH REMOVE CONCRETE (VARIABLE DEPTH) PAVEMENT FULL DEPTH **EXISTING** SAW CUT . A CONCRETE FULL DEPTH PAVEMENT 12" MIN. 12" MIN. --**EXISTING** CRUSHED AGGREGATE REPAIR LENGTH BASE COURSE 6' MINIMUM

HMA PATCH REMOVAL

SECTION A - A

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Ö

3

SD

BARS -

L1 OR

L3

111

LANE

WIDTH

12" C - C

PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPLACEMENT

FOR

SPACING)

15" MIN

L1 OR

~ L1

6

SDD 13C09

L1 OR

Ш∢

L3

NEW CONCRETE

PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPAIR

C2 -

 D_2

18" DOWEL BAR

ANCHORED INTO

(SEE SIZE TABLE)

EXISTING PAVEMENT

MAX.

TIE BAR

SPACING

36"

24"******

CONTRACTION

JOINT

SPACING

12'

14'

8

3

SD

PAVEMENT

DEPTH "D"

DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

DRILLED

DOWEL BAR

DIAMETER

NONE

1 1/4"

PAVEMENT

DEPTH (D)

6", 6 ½"

7", 7 ½"

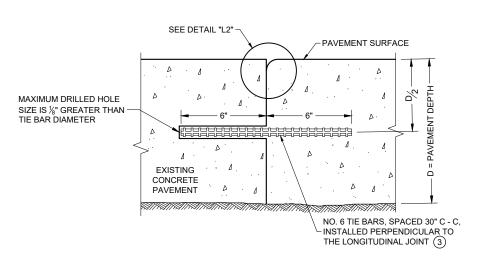
8" & ABOVE

DOWEL BAR

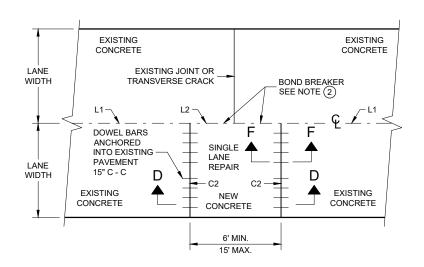
DIAMETER

NONE

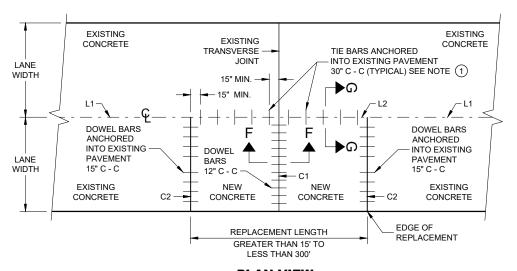
STATE OF WISCONSIN



SECTION G - G TIE BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW SINGLE LANE CONCRETE PAVEMENT REPAIR



GENERAL NOTES

AS TO PROVIDE A TIGHT DRIVEN FIT.

FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH. 3 ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

① WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER

② USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND)

PLAN VIEW SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE REPAIR AND REPLACEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

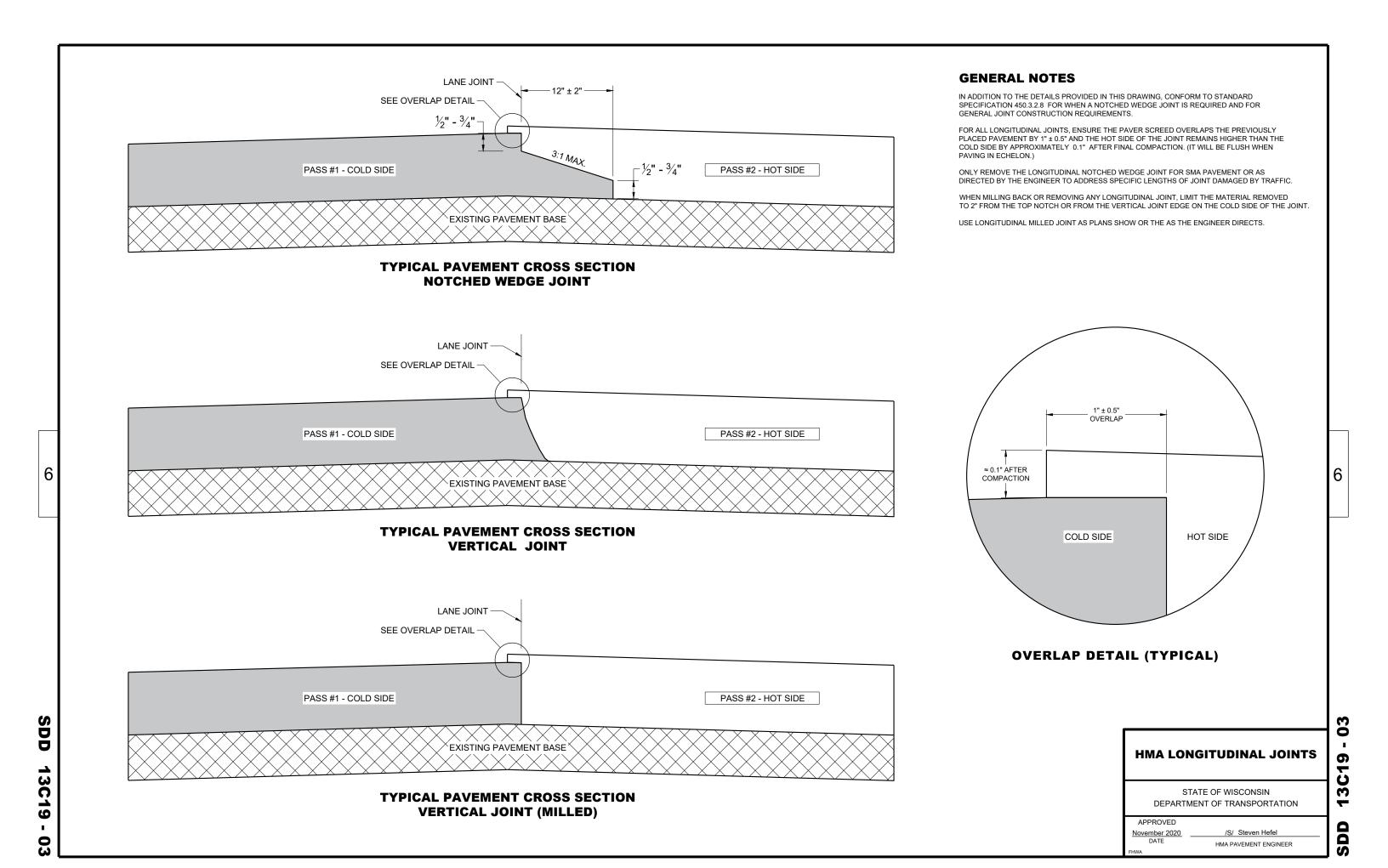
APPROVED

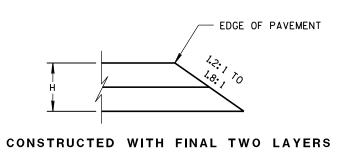
November 2022 DATE /S/ Peter Kemp P.E. PAVEMENT SUPERVISOR

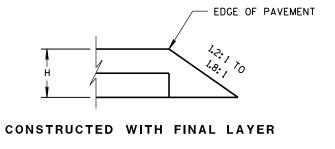
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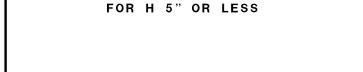
SDD

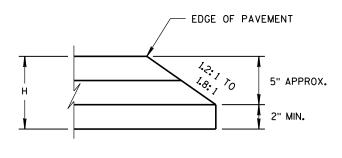






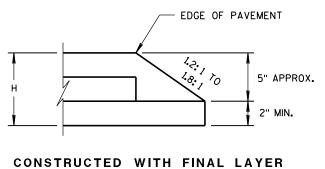
FOR H 5" OR LESS



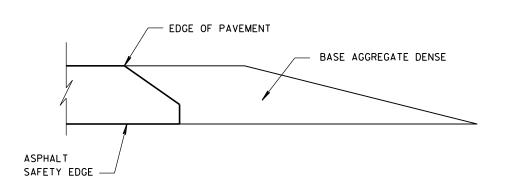


CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"



FOR H GREATER THAN 5"



FINISHED SHOULDER AGGREGATE PLACEMENT

HMA PAVEMENT AND HMA OVERLAYS

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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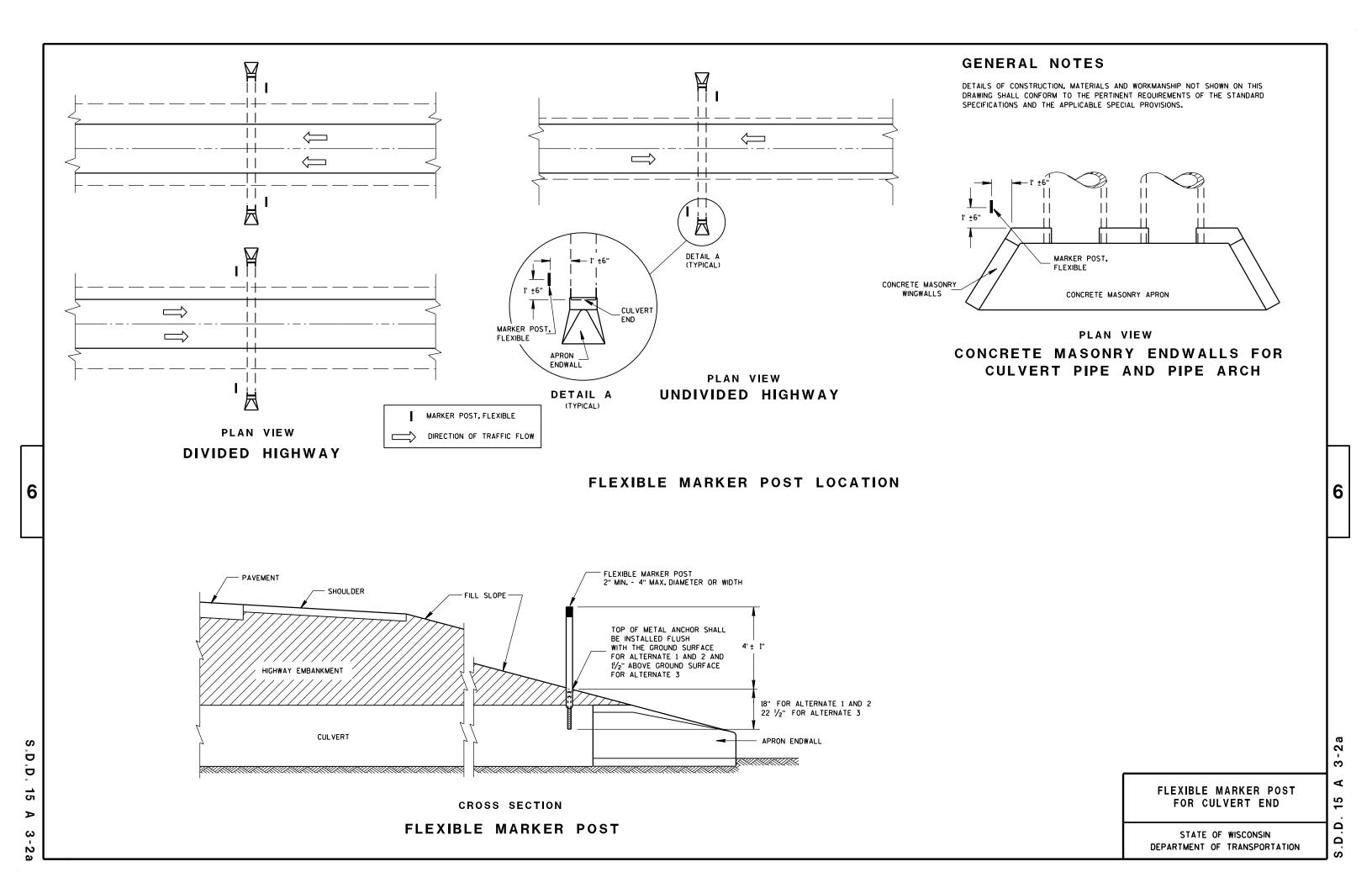
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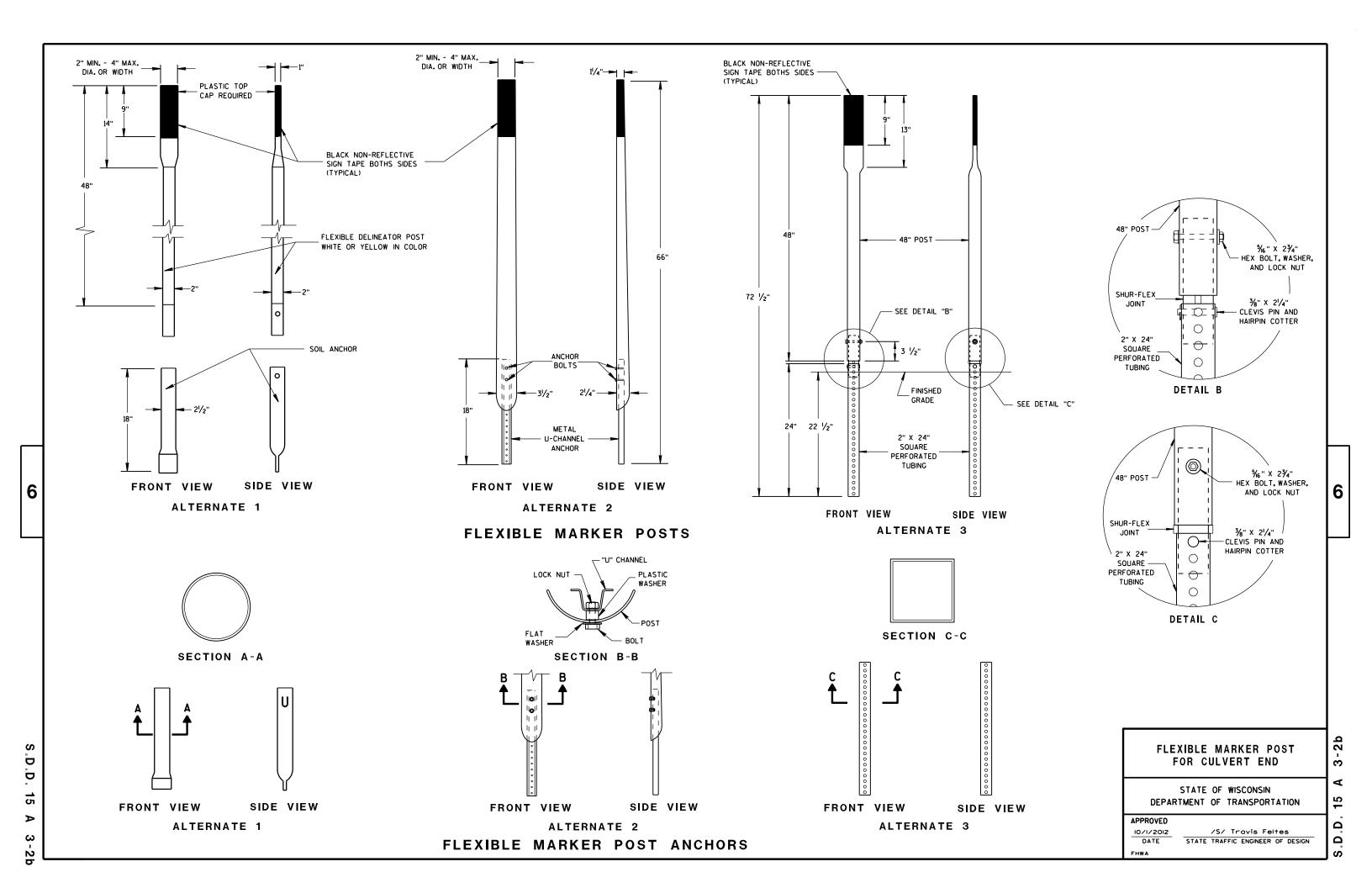
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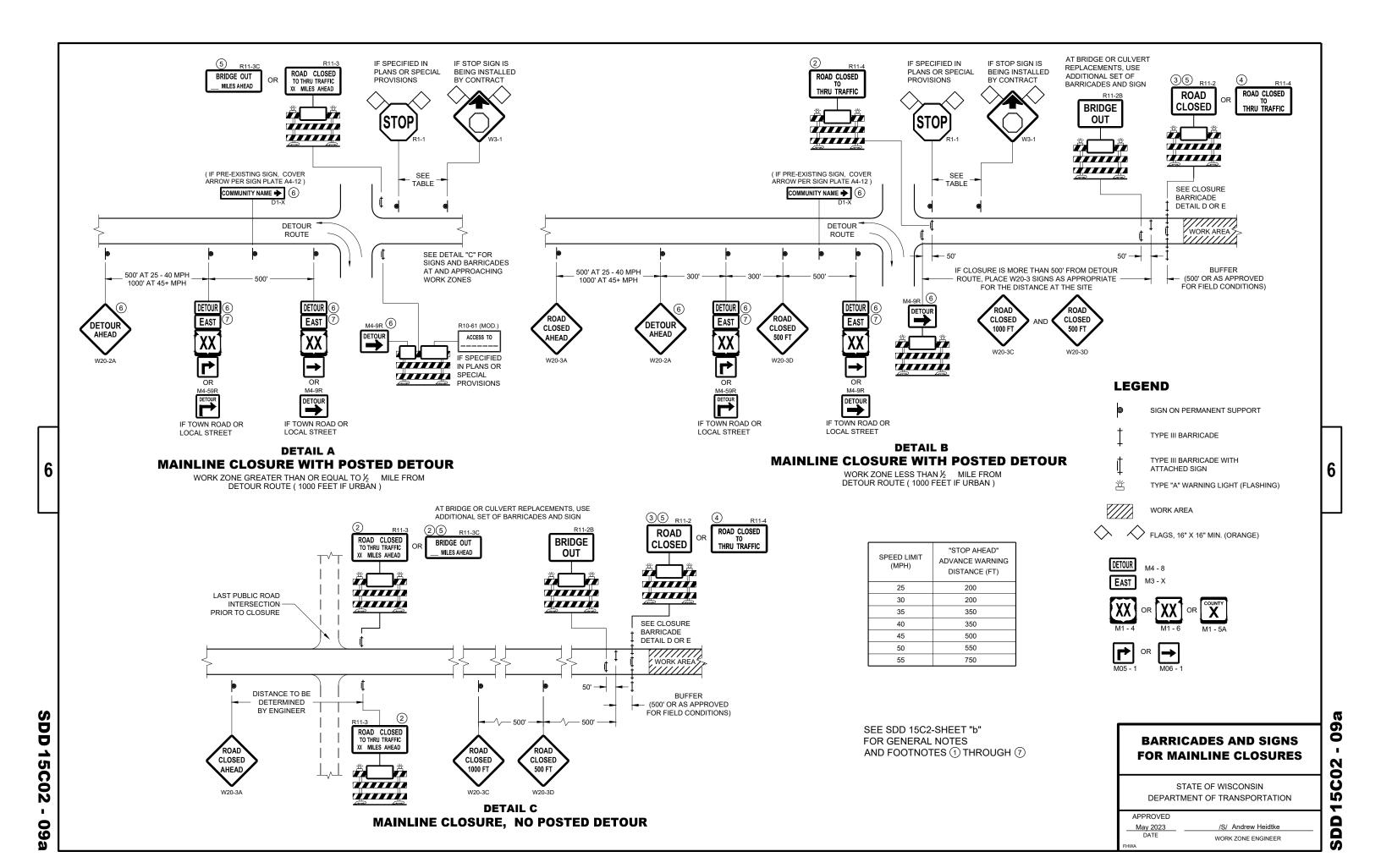
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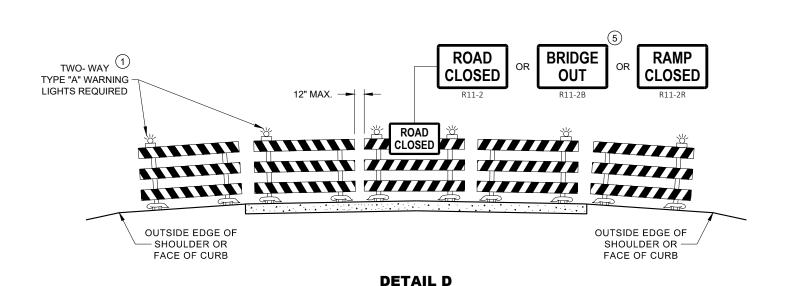
APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER



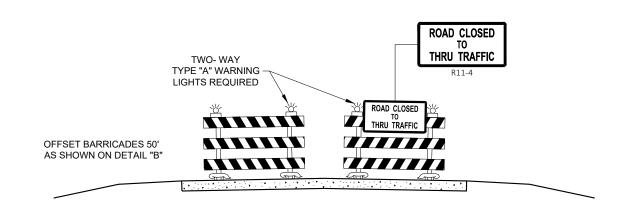






ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)

D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

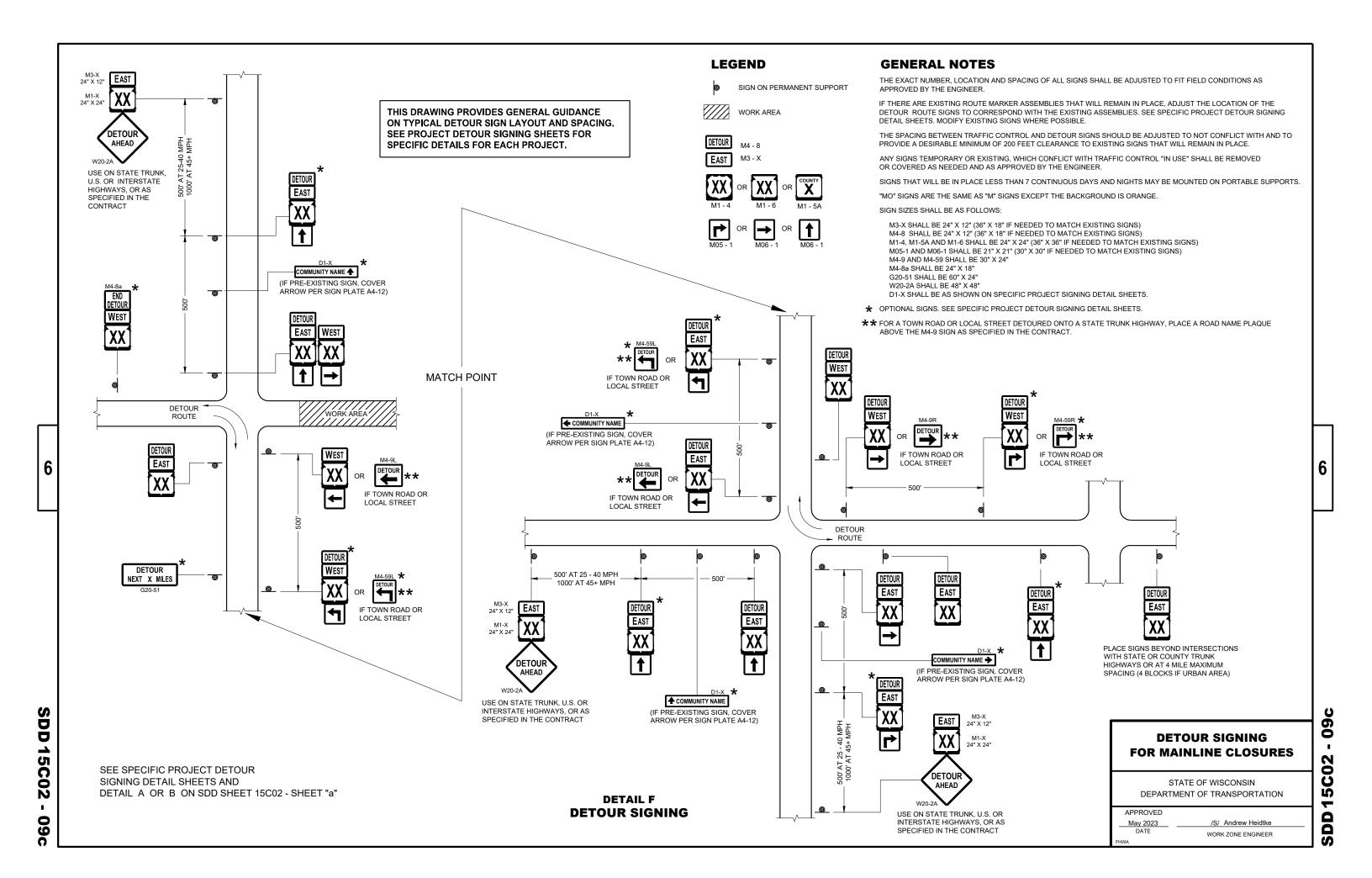
R1 - 1 SHALL BE 36" X 36"

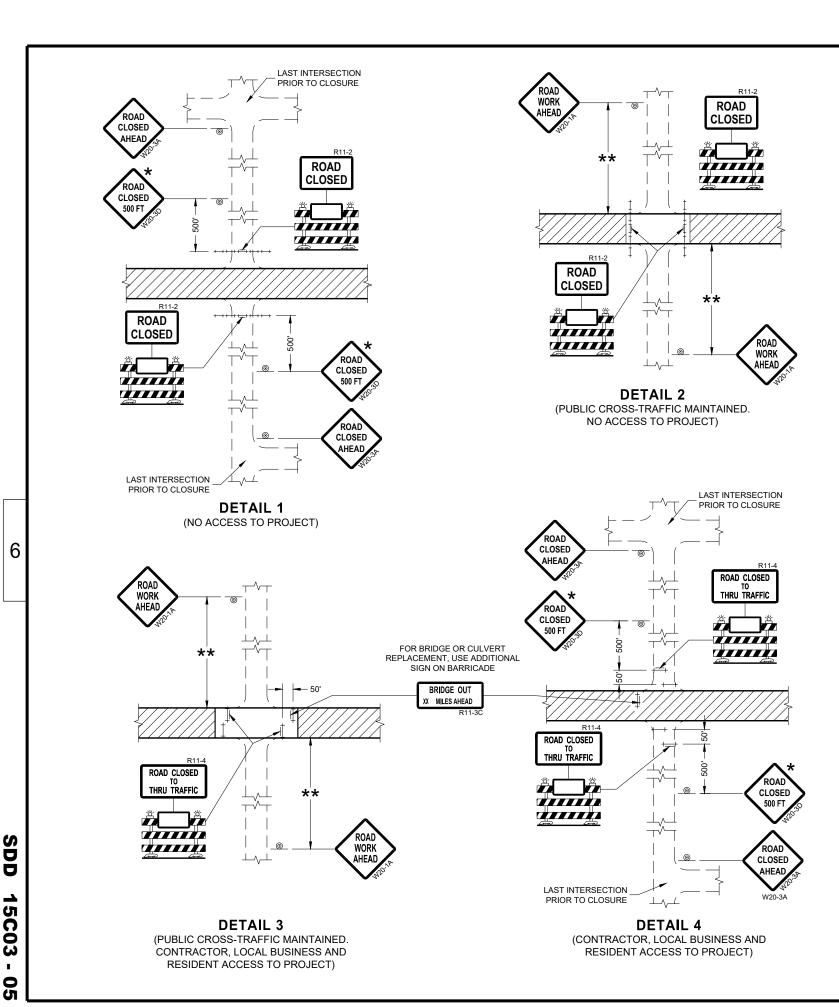
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> 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

15C02 - 0





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.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

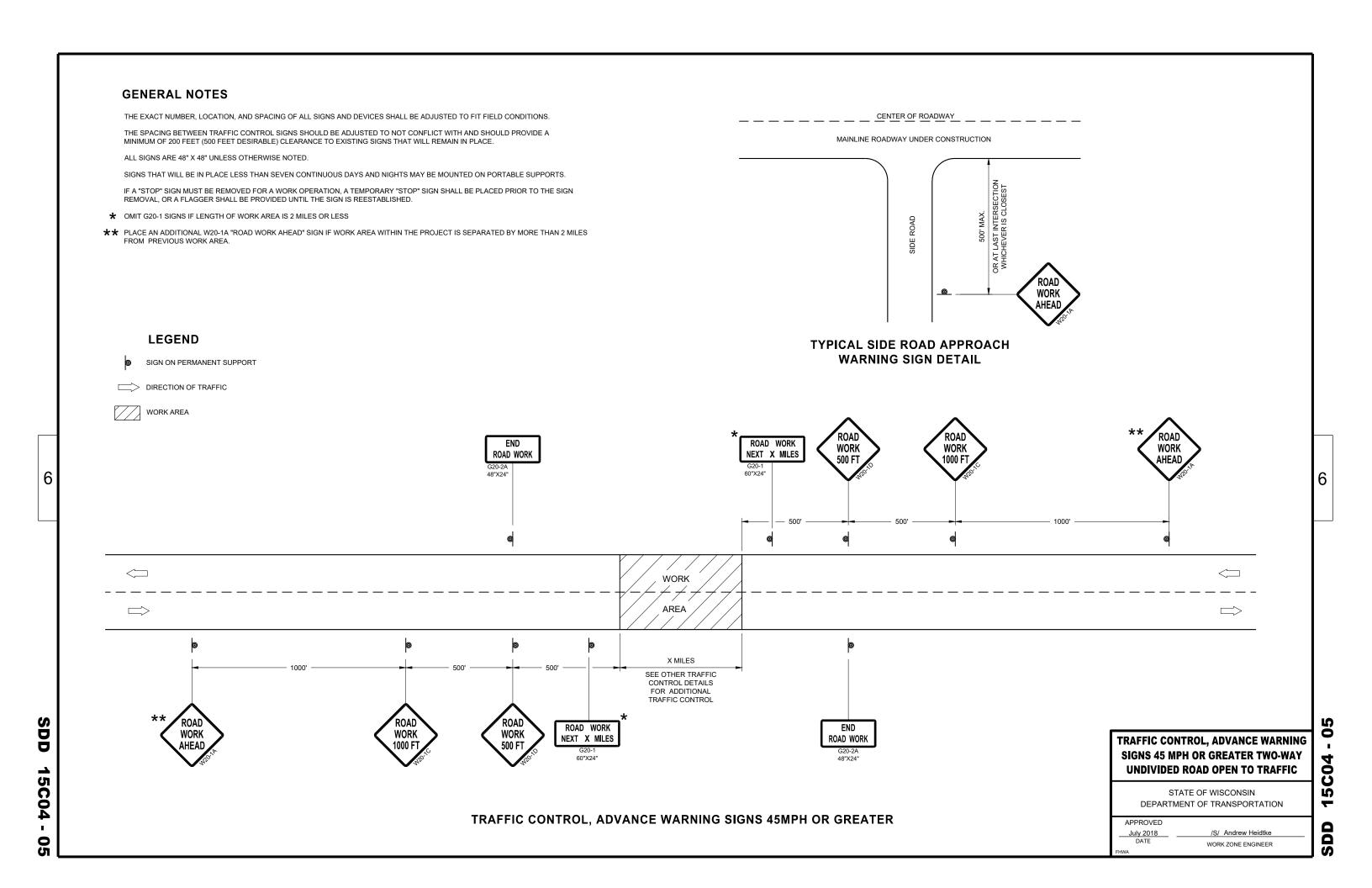
BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

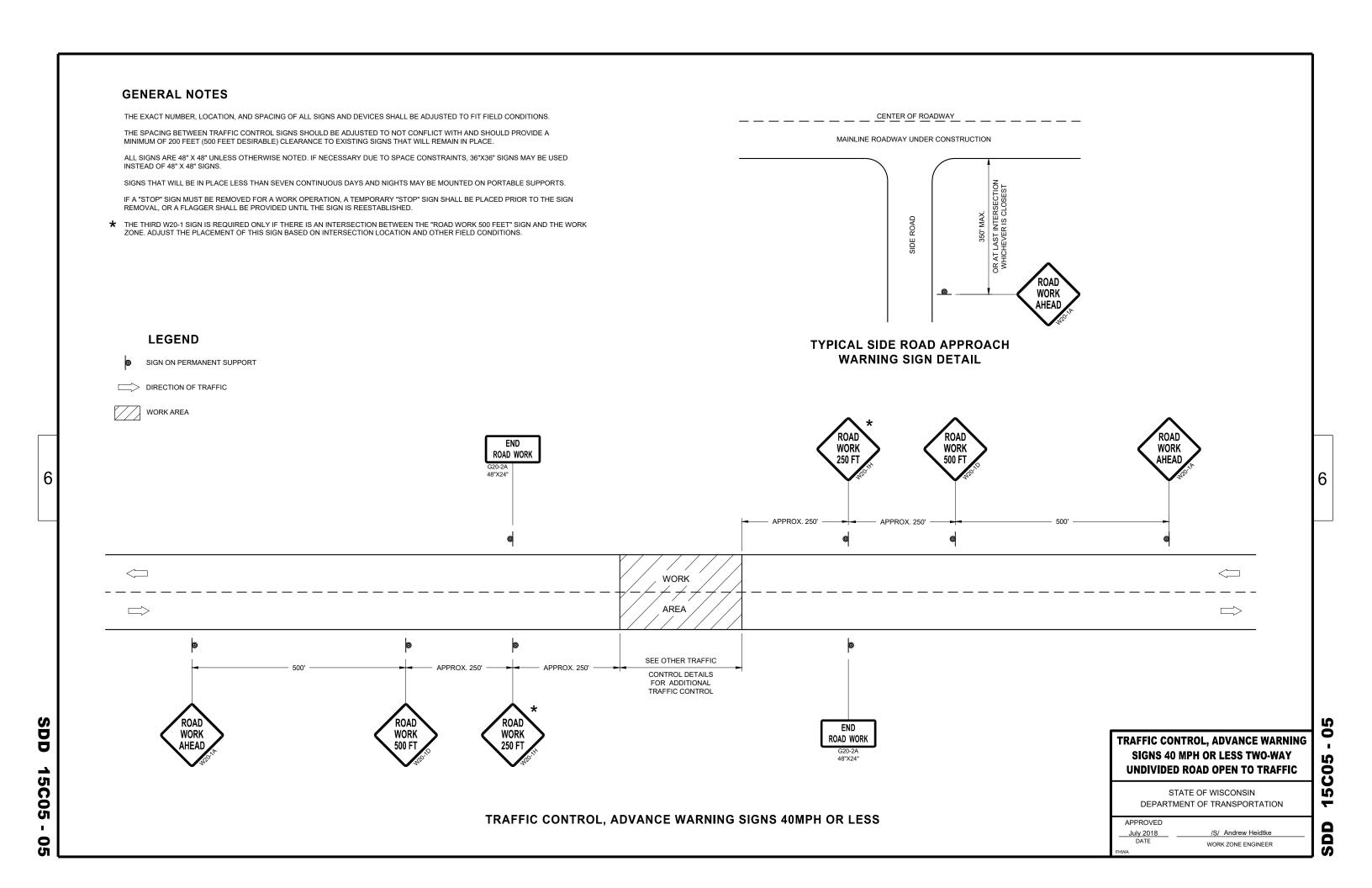
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

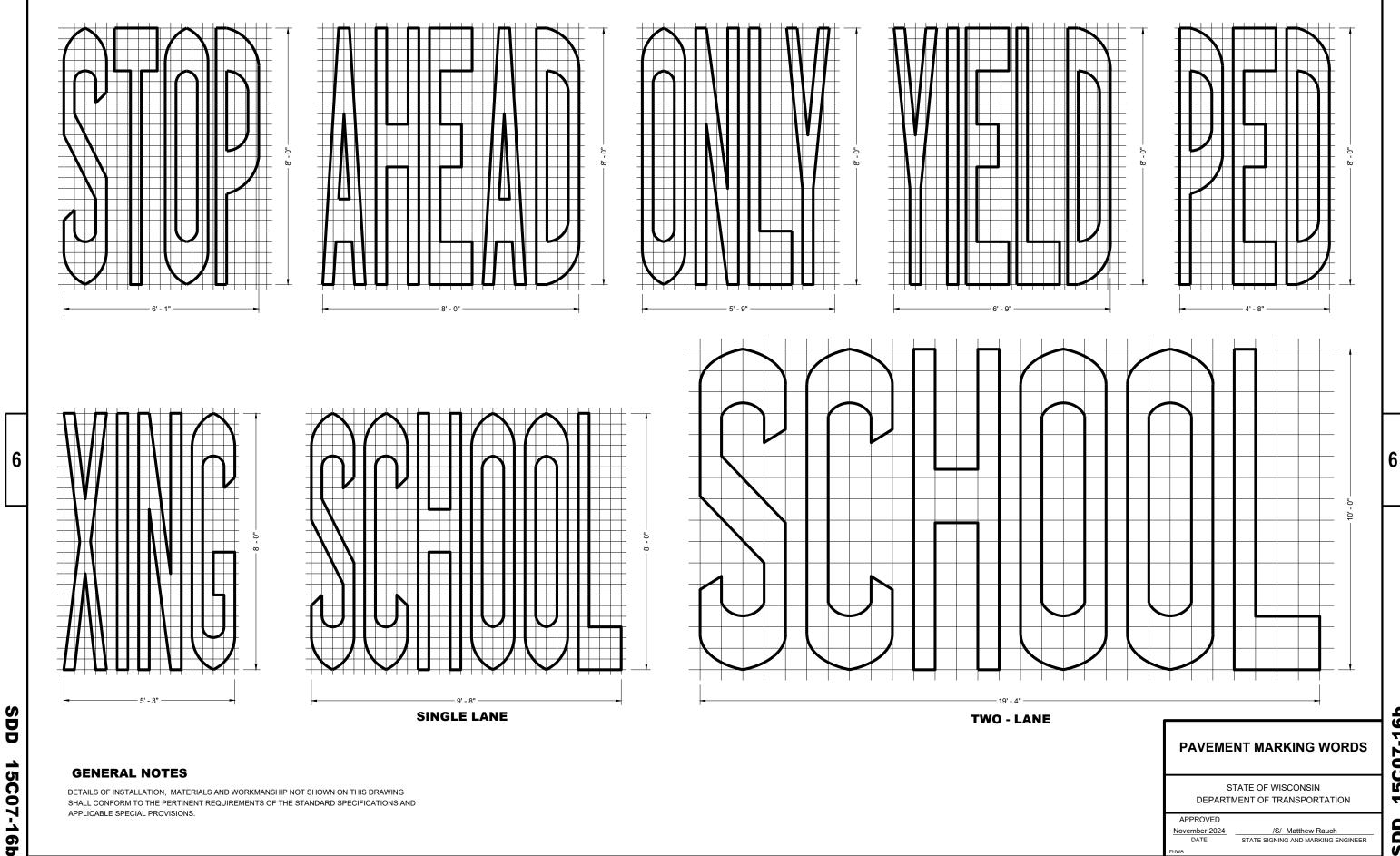
 APPROVED

 July 2018
 /S/ Andrew Heidtke

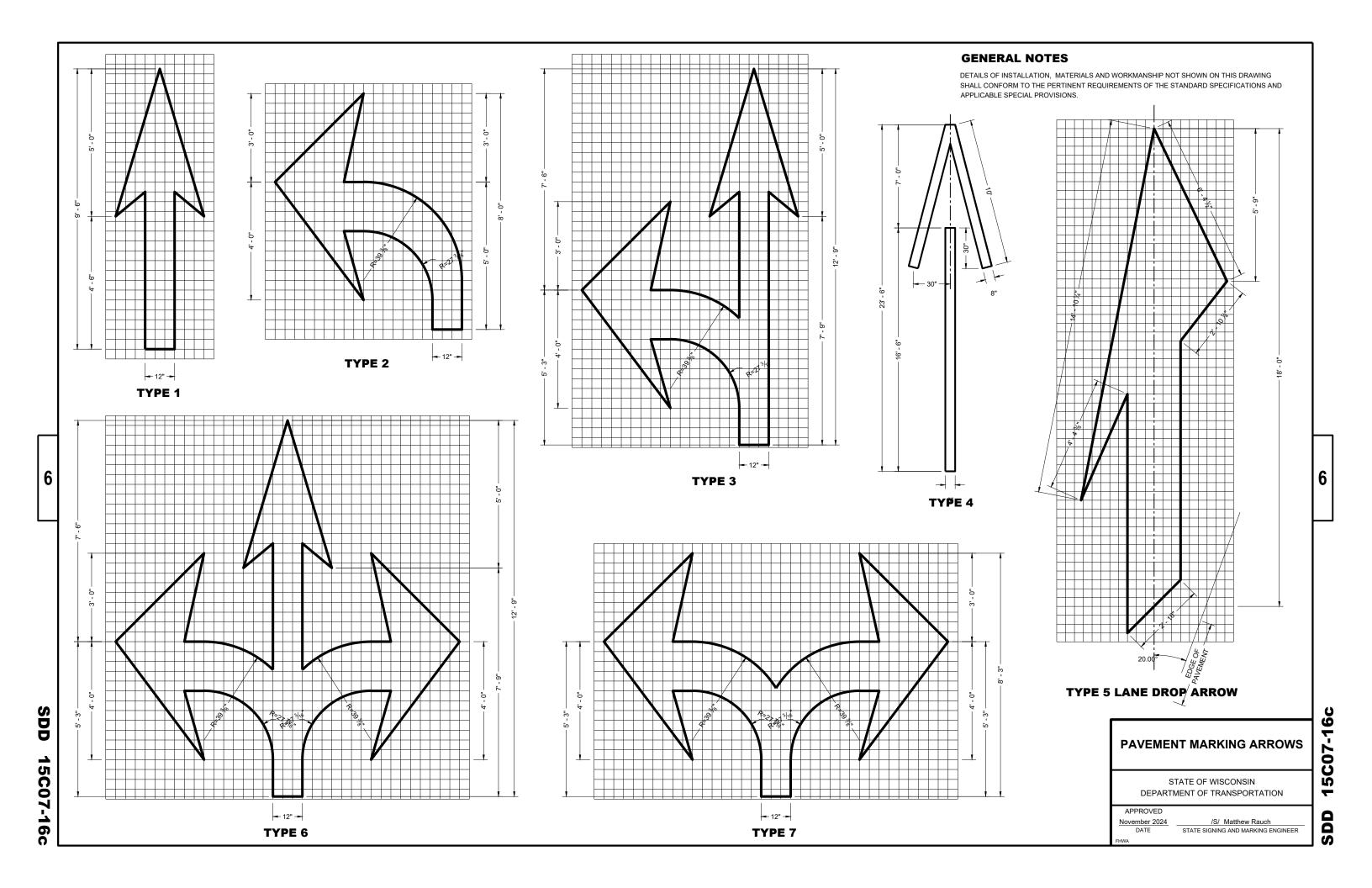
 DATE
 WORK ZONE ENGINEER

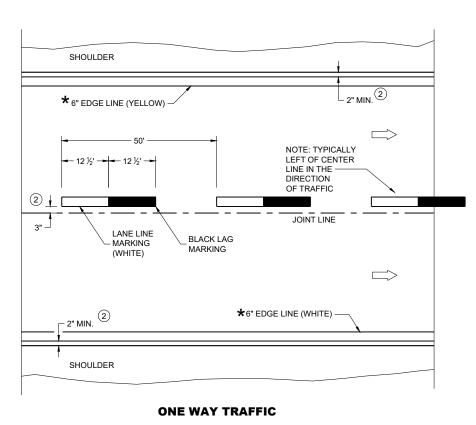






15C07-16b SDD





PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- 1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- (2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

PERMANENT LONGITUDINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS

APPROVED May 2023

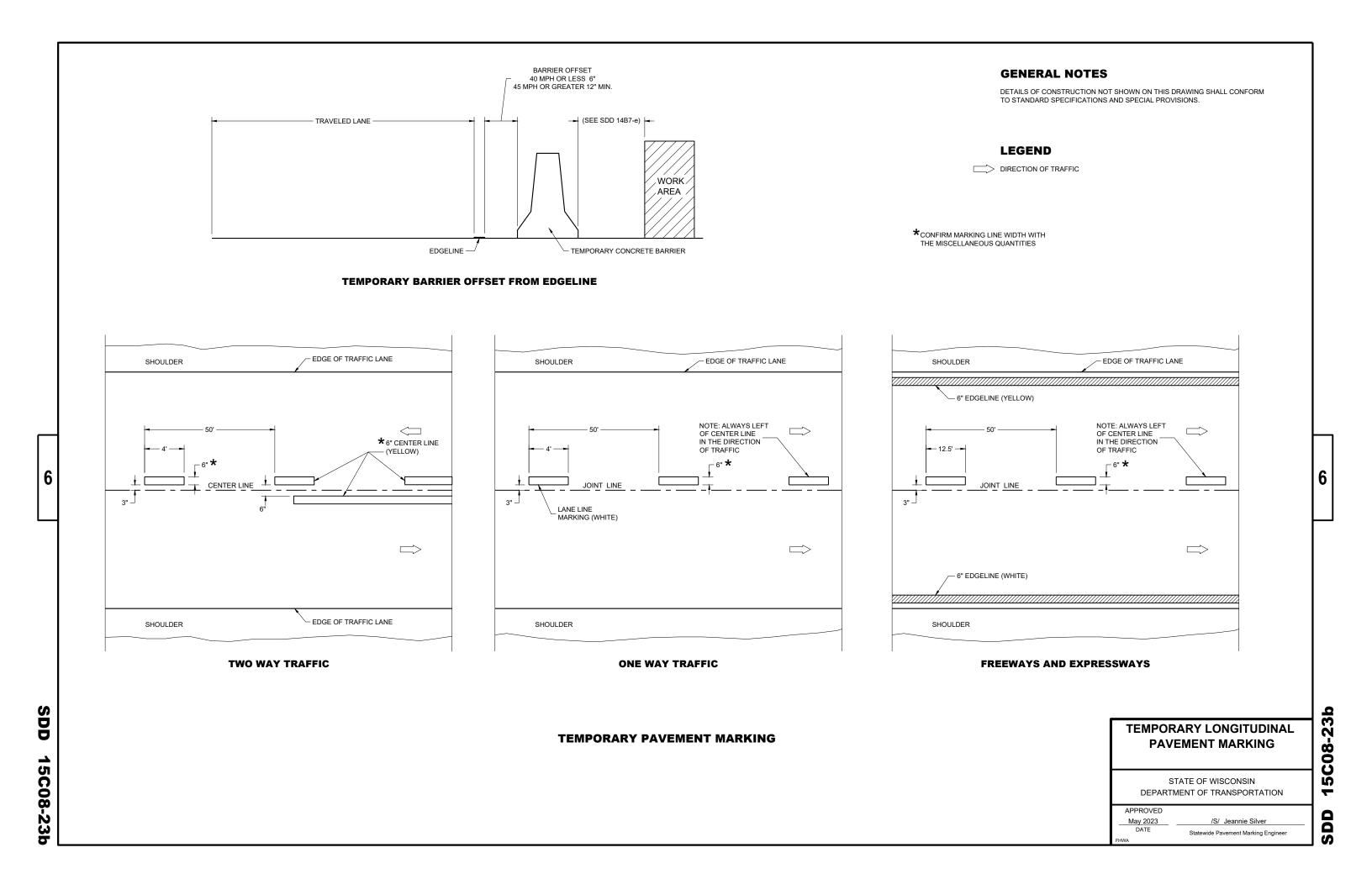
May 2023 /S/ Jeannie Silver
DATE Statewide Pavement Marking Engineer

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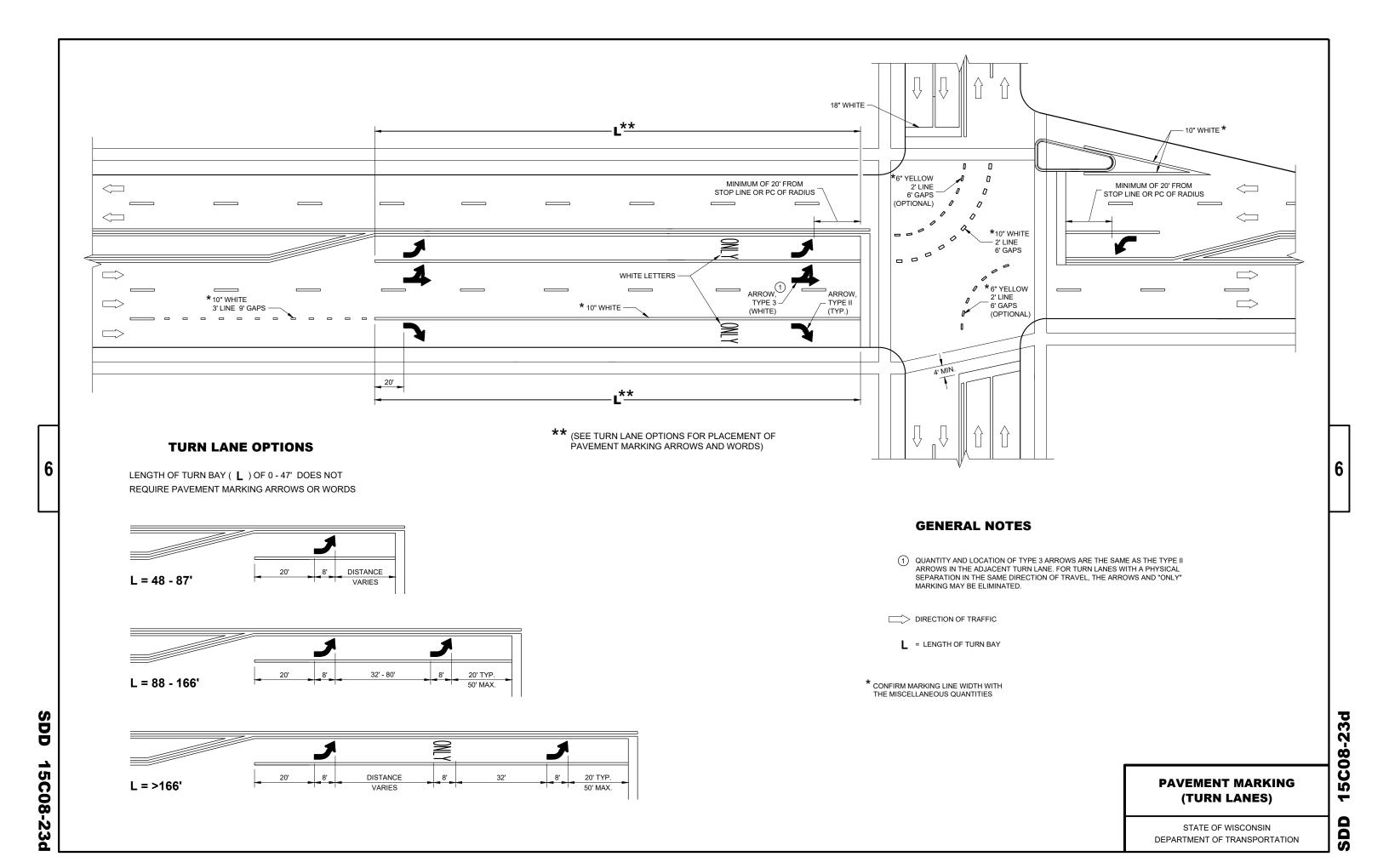
SDD 1

SDD 15C08-23

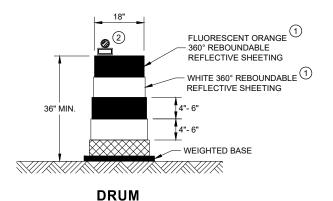
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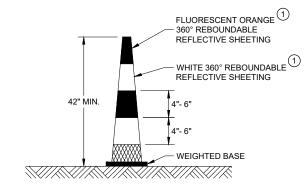
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



- (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.

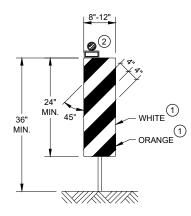


BALLAST WIDTHS RANGE FROM 24"-36"



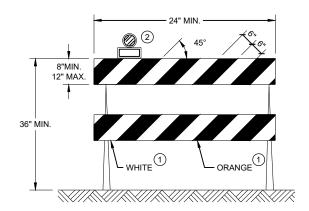
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



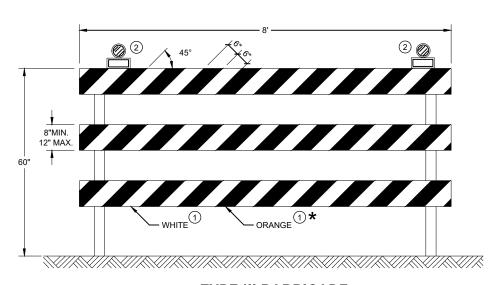
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
ELDA/A	

END

WORK

RUMBLE

STRIPS

ROAD

GENERAL NOTES FLAGGING 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 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 SIGN ON PORTABLE OR PERMANENT SUPPORT UNIFORM TRAFFIC CONTROL DEVICES. 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 ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. (2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 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. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED FLAGGER, EQUIPPED WITH STOP/SLOW ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT PADDLE FASTENED ON SUPPORT STAFF 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. SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE BE SPACING "A" SPEED LIMIT USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A". 35-40 MPH 350' STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

TRAFFIC CONTROL FOR LANE CLOSURE WITH **FLAGGING OPERATION**

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

(O.) A., J.,
/S/ Andrew Heidtke
WORK ZONE ENGINEER

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 QUELIE

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

- 1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- (2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

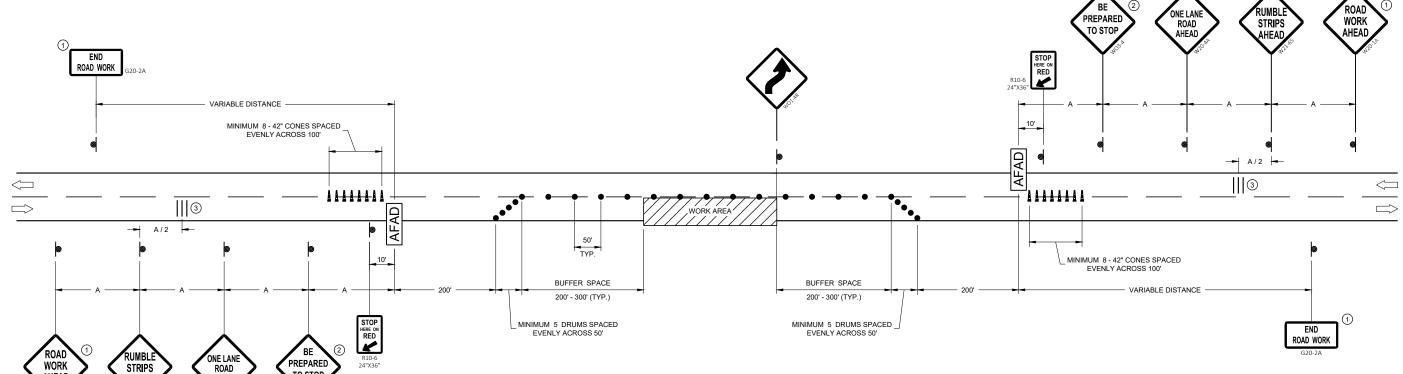
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



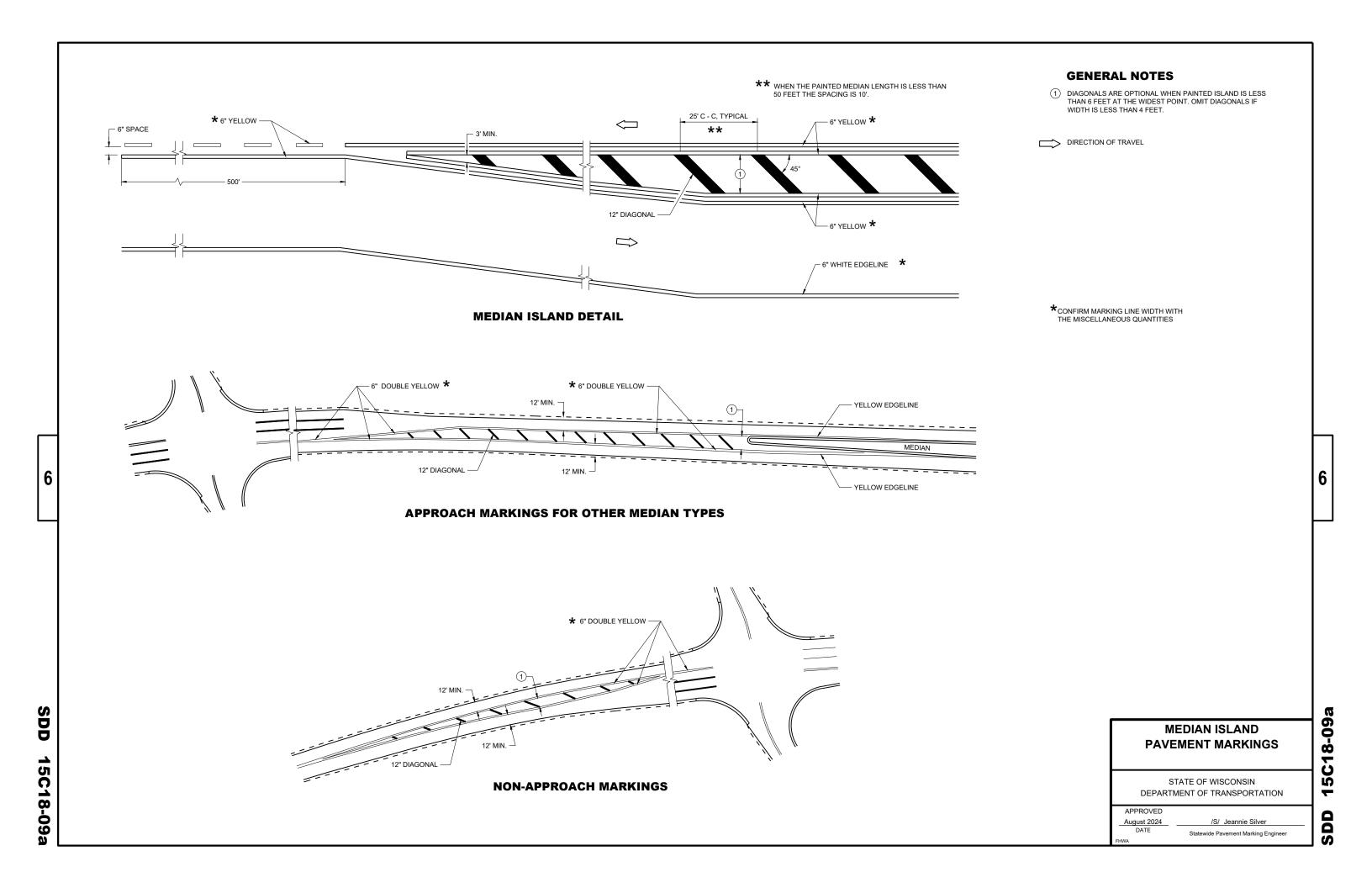
TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

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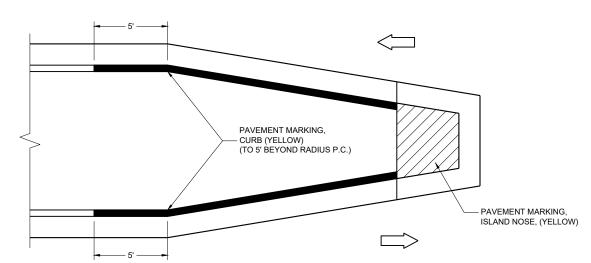
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

AFFROVED	
May 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER



PAVEMENT MARKING, - CURB (YELLOW) (TO 5' BEYOND RADIUS P.C.)

MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

SDD

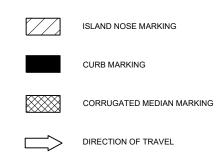
15C18-09b

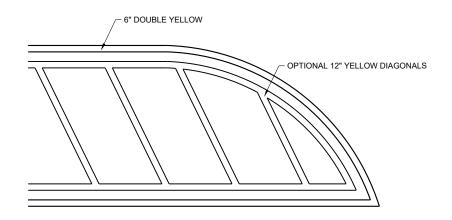
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

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.

 $\stackrel{\textstyle \frown}{}$ APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.





FLUSH MEDIAN ISLAND NOSE

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED August 2024

ATE Statewide Pavement Marking Engineer

DATE

5C18-09b

SDD 15C18

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
POSTED SPEED	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED

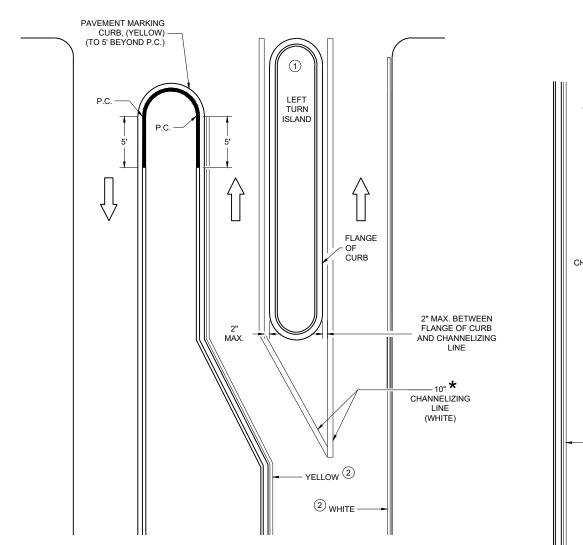
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

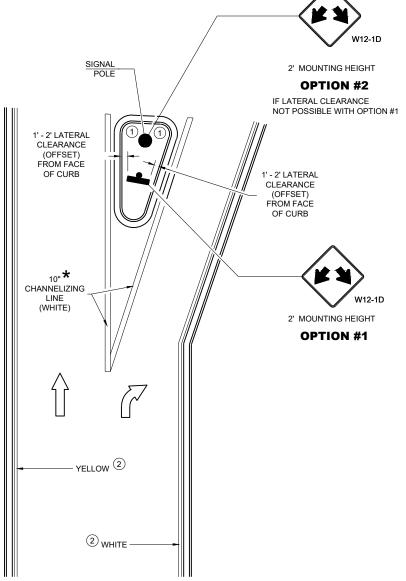
SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

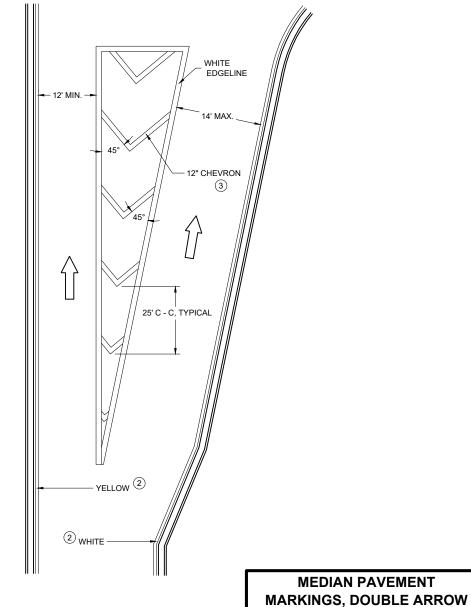
- (1) MARK CURB NOSES YELLOW.
- (2) MARK ACCORDING TO TABLE.
- 3 CHEVRON MAY BE OMITTED IF LESS THAN 4" WIDE

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES







TURN LANE DETAIL

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

C18-09c

SD

August 2024 /S/ Jeannie Silver

DATE Statewide Pavement Marking Engineer

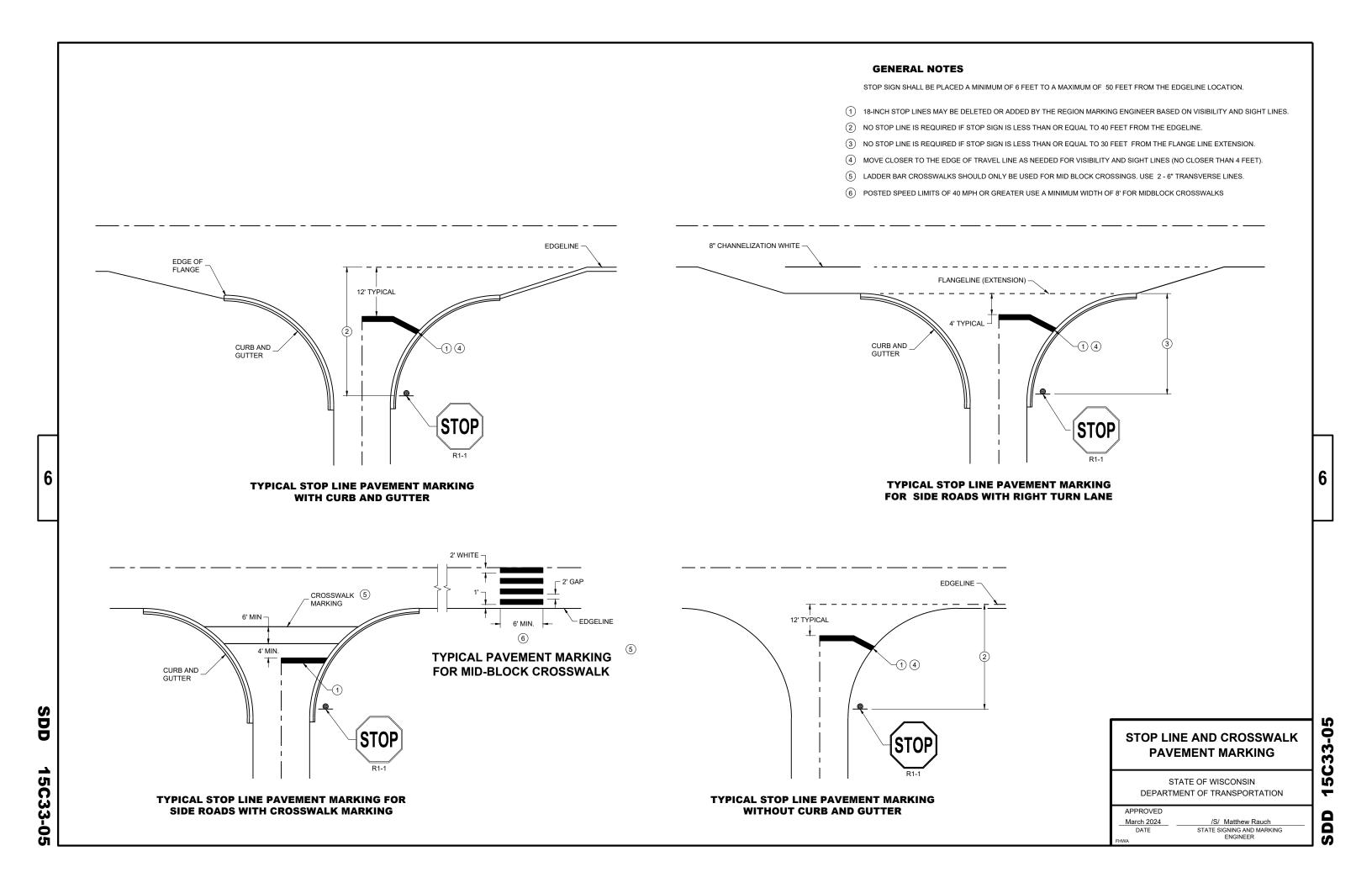
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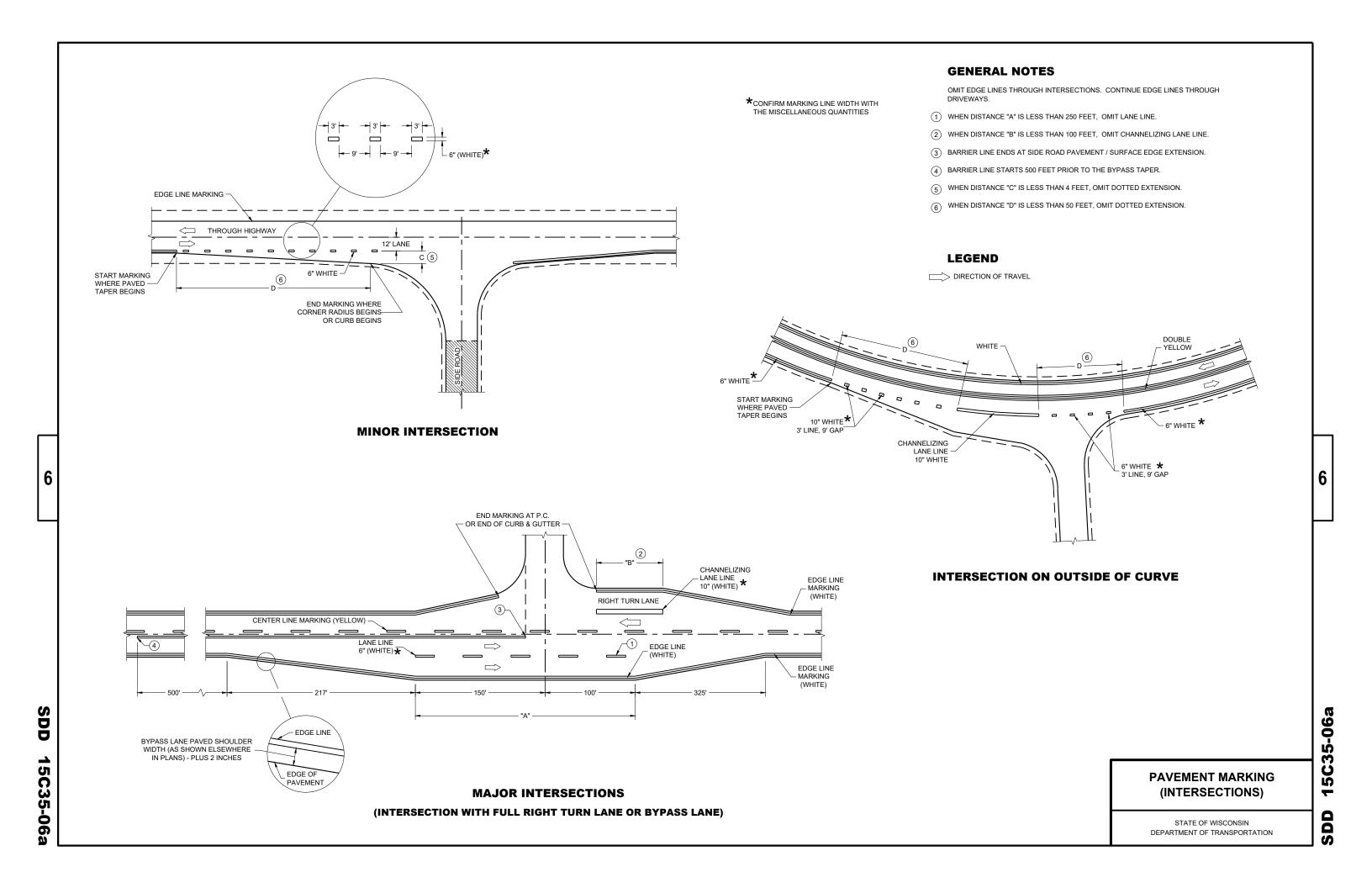
LEFT TURN & MEDIAN ISLAND

RIGHT TURN ISLAND

SDD 15C18-09c

6





SDD

15D20-09

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

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

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.

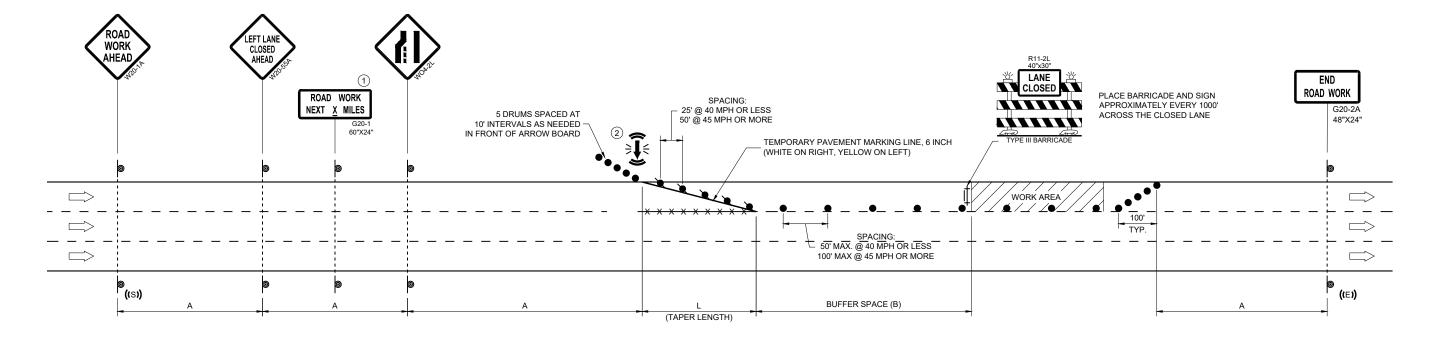
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

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.
- 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.



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'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED **NON-FREEWAY/EXPRESSWAY**

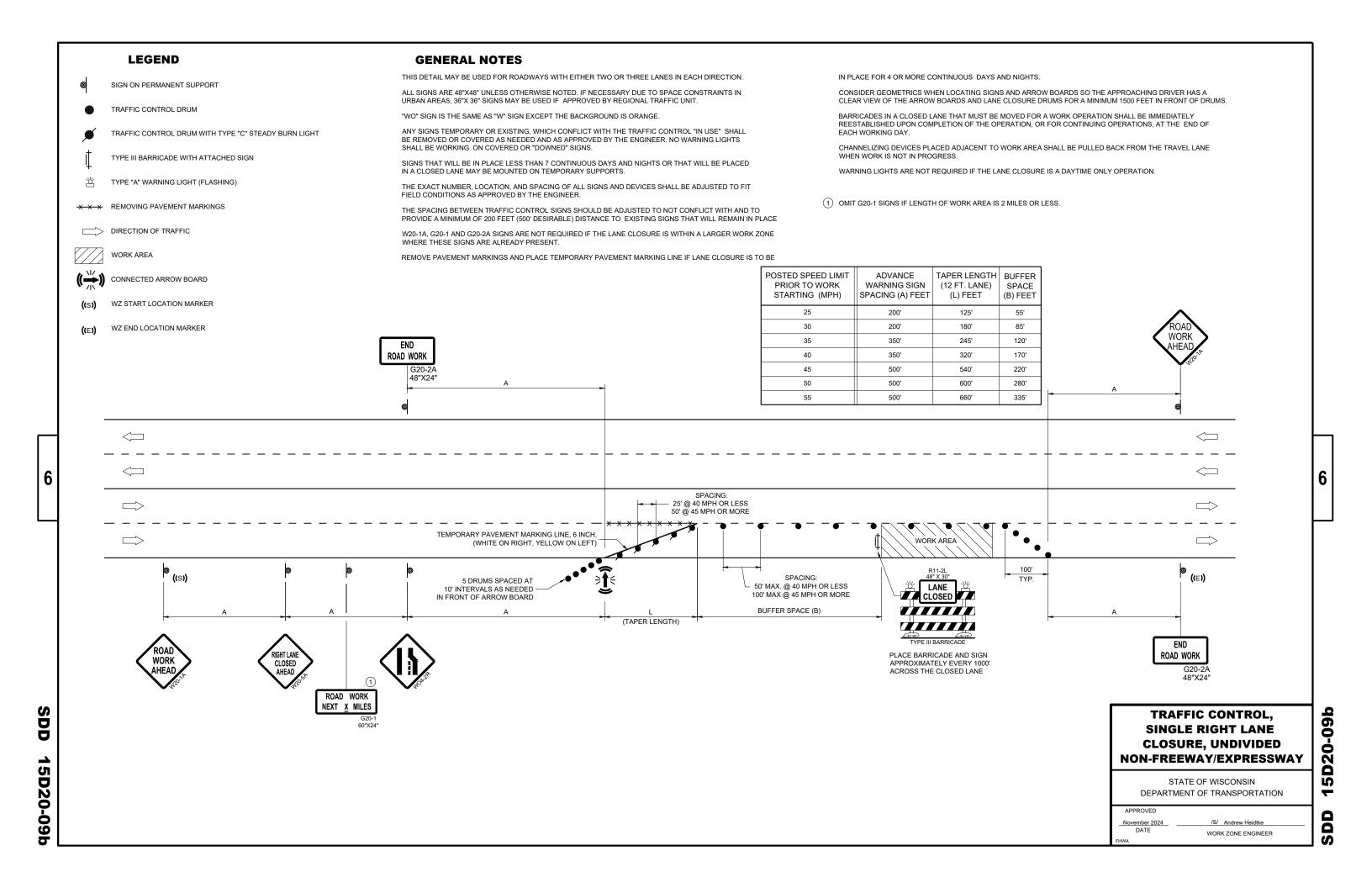
> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

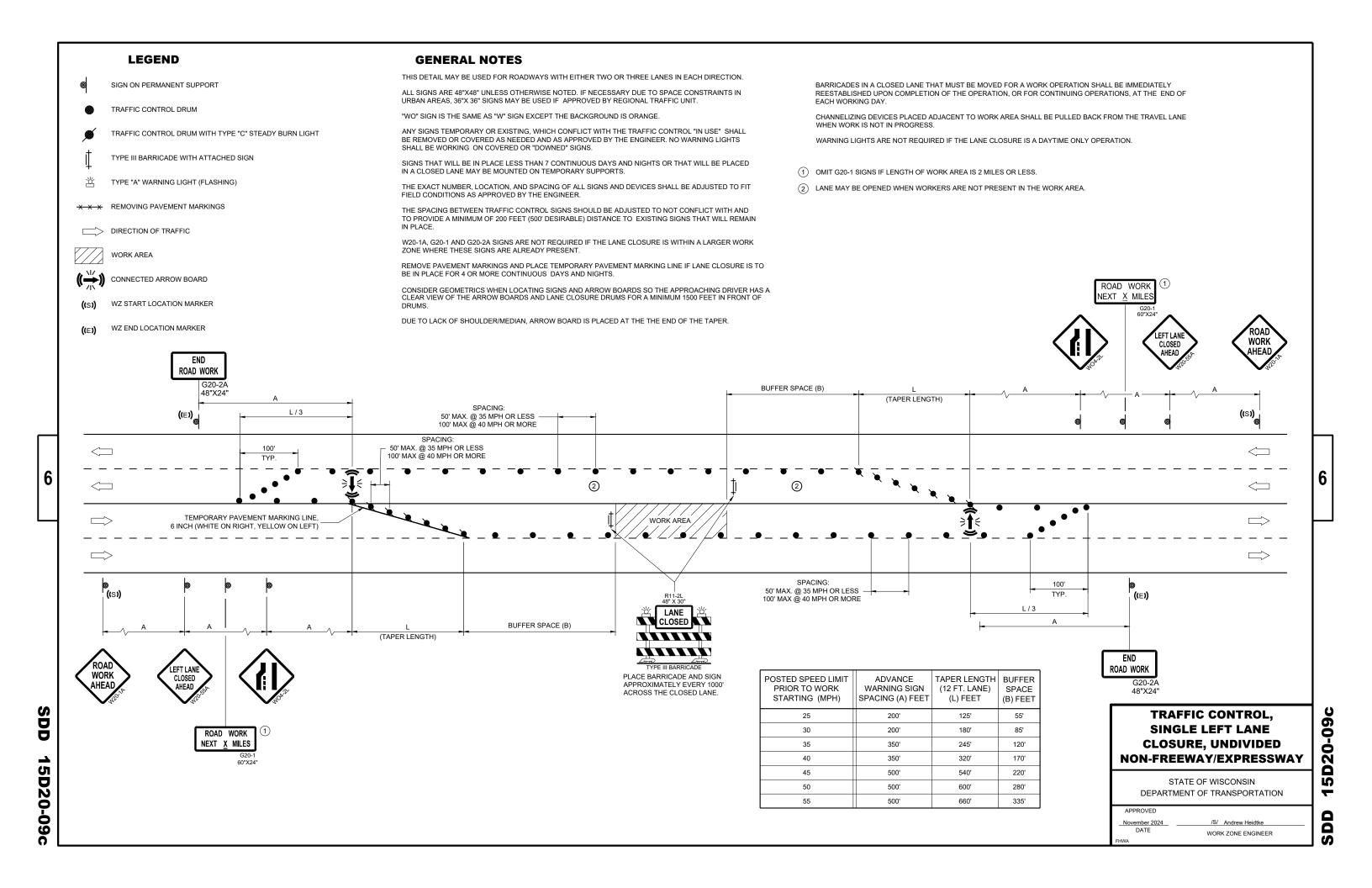
APPROVED November 2024

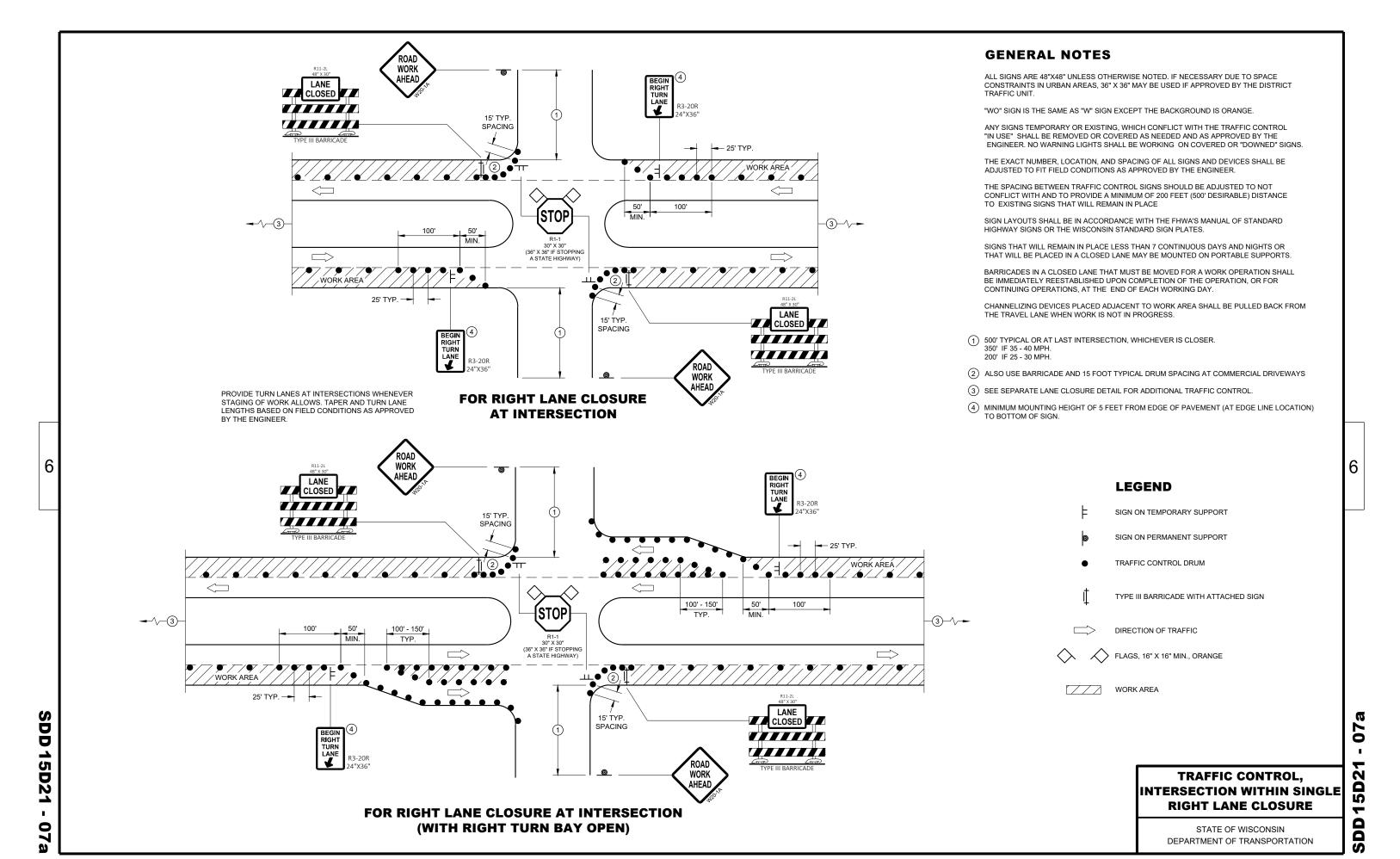
/S/ Andrew Heidtke WORK ZONE ENGINEER

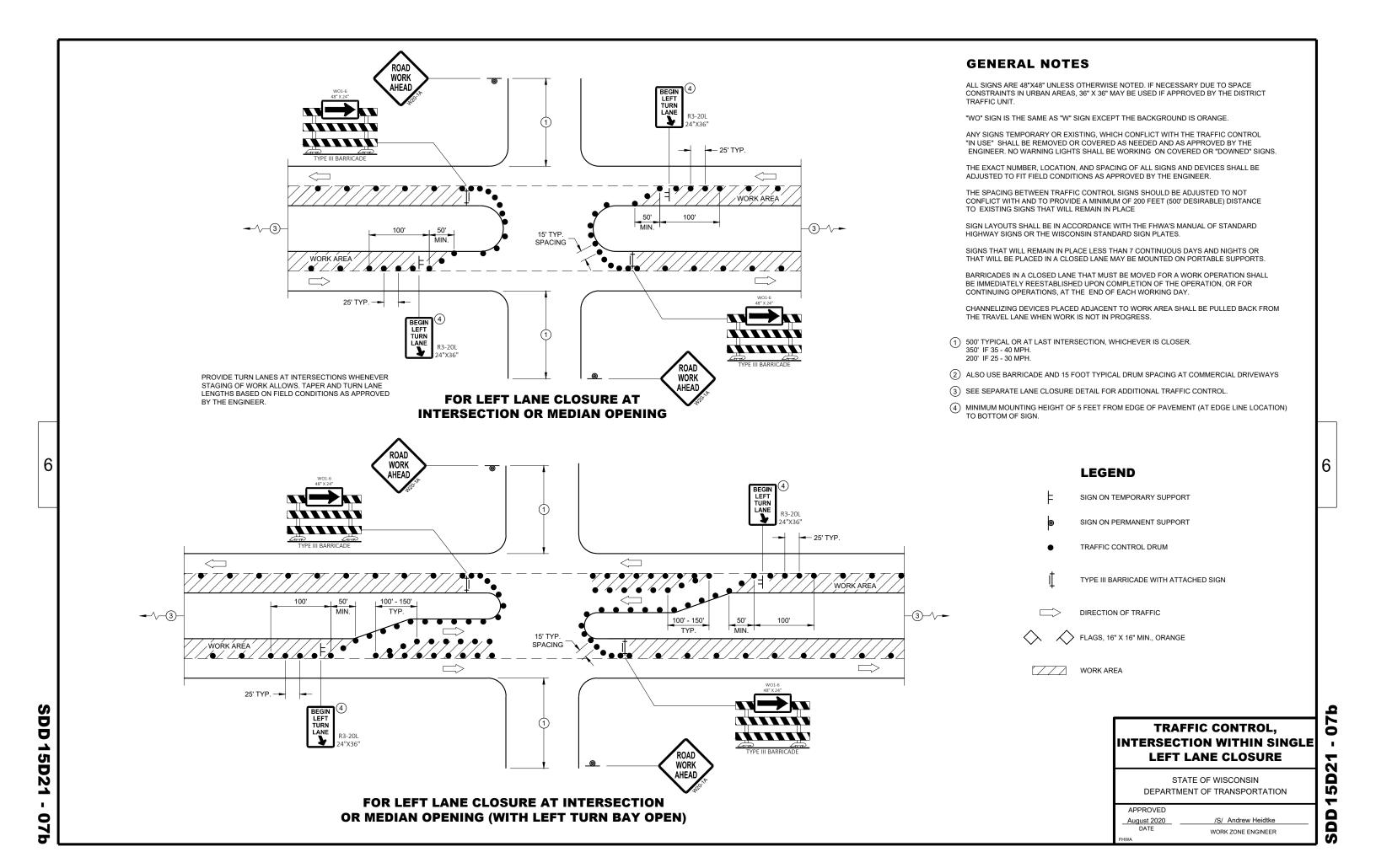
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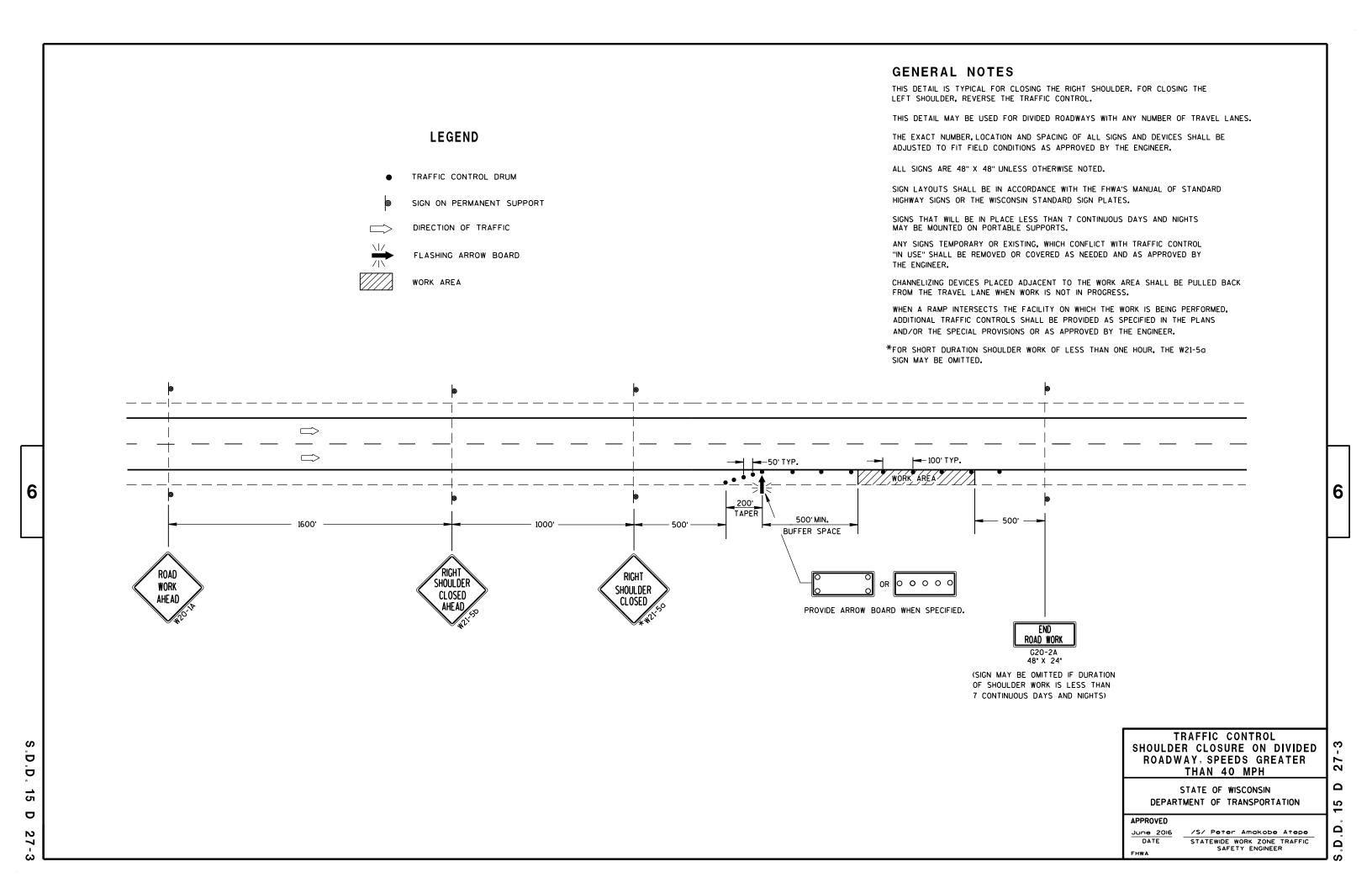
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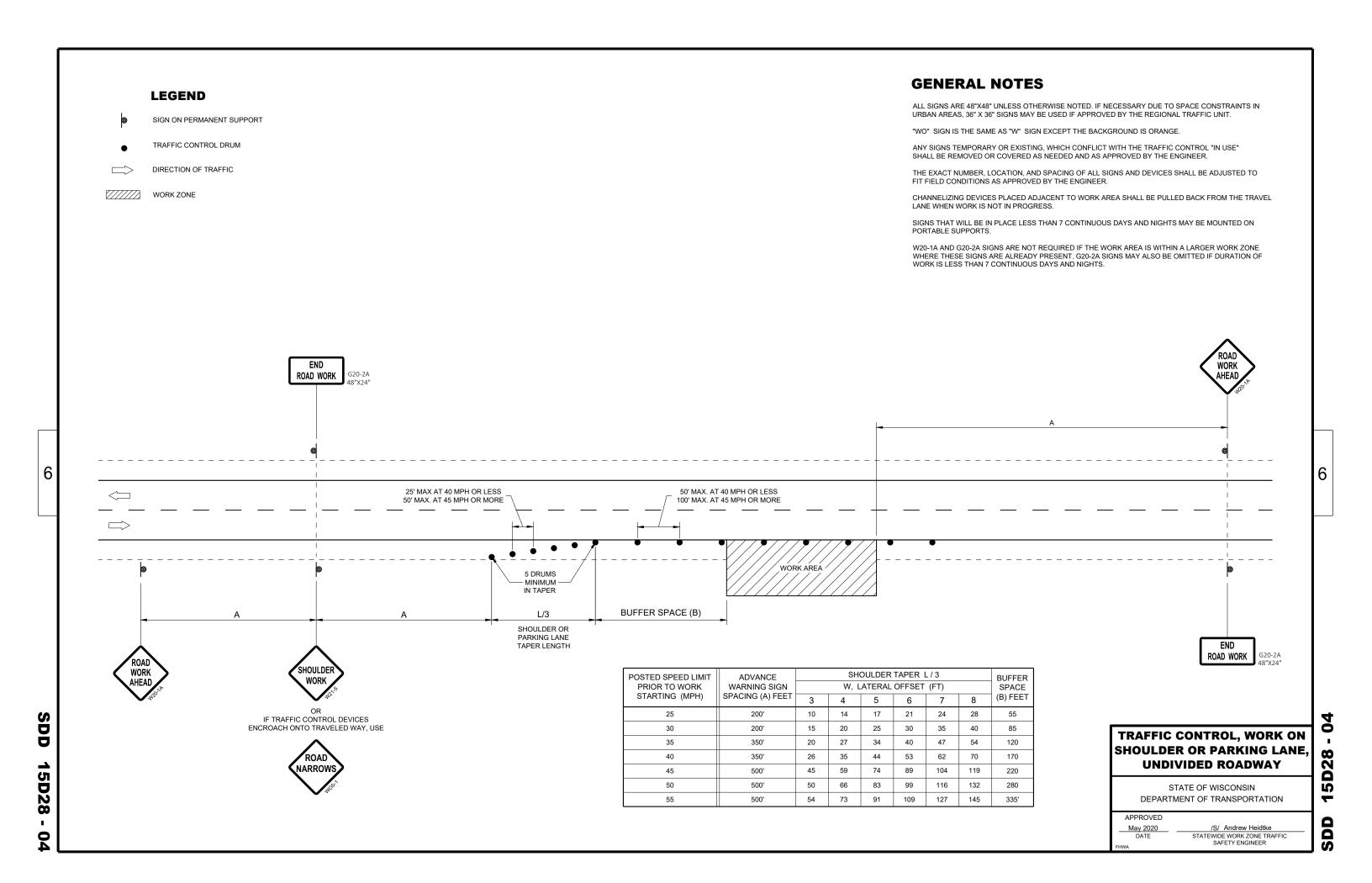






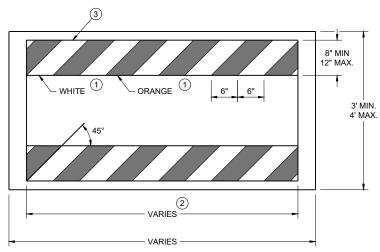






BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

- 1 REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- $\ensuremath{\textcircled{2}}$ Sheeting required on more than 50% of barricade width.
- (3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.



THE TOP OF THE BARRICADE IS TO BE A SMOOTH CONTINUOUS SURFACE FREE OF SHARP OR ROUGH EDGES INSTALL PEDESTRIAN PLACE CONCRETE BARRIER TEMPORARY PRECAST IF TEMPORARY PEDESTRIAN BARRICADE PER 4' MINIMUM 5' DESIRABLE MANUFACTURERS RECOMMENDATIONS INSTALL PEDESTRIAN ACCESS IS ADJACENT TO AN BARRICADE PER ACTIVE WORK ZONE OR LIVE PEDESTRIAN BARRICADE MANUFACTURERS RECOMMENDATIONS TRAFFIC LANE TEMPORARY PEDESTRIAN SURFACE 2" MAX. 2% MAX. SLOPE 4 4-INCH BASE AGGREGATE 4-INCH BASE AGGREGATE DENSE 1 1/4-INCH DENSE 1 1/4-INCH **TEMPORARY PEDESTRIAN ACCESS**

NARROW SIDEWALK PASSING DETAIL

JOINT ALLOWANCES

200' MAX SPACING FROM

LAST PASSING LANE

MAXIMUM HORIZONTAL GAP

200' MAX SPACING FROM

LAST PASSING LANE

- LEADING EDGE

½" MAXIMUM

- 1/4" MAXIMUM

MAXIMUM VERTICAL GAP

TRAFFIC CONTROL, **PEDESTRIAN ACCOMMODATION**

15D30-10a

SD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

SDD 15D30-10a

PERSPECTIVE VIEW

GENERAL NOTES

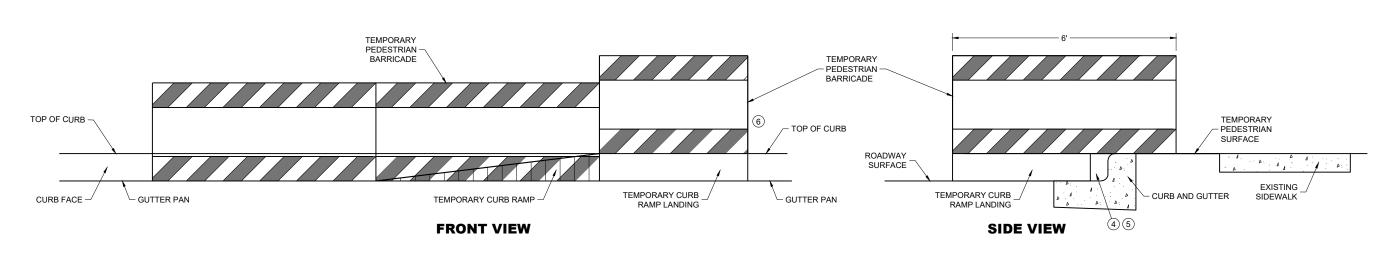
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) 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 $\frac{1}{2}$ ". LATERAL EDGES MAY BE VERTICAL UP TO $\frac{1}{4}$ " HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN $\frac{1}{4}$ " AND $\frac{1}{2}$ ".

- (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.



TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL,
PEDESTRIAN
ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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15D30-10b

SDD 15D30-10b

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

WITH PROTECTIVE EDGE

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 1:50 (2%) 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 $\frac{1}{2}$ ". LATERAL EDGES MAY BE VERTICAL UP TO $\frac{1}{4}$ " HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN $\frac{1}{4}$ " AND $\frac{1}{2}$ ".

- (1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE DI ANS
- (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.

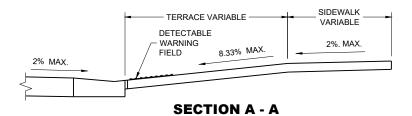
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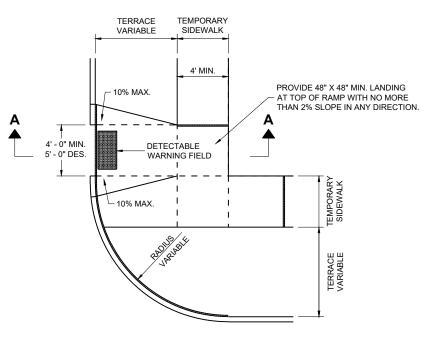
15D30-10c

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D30-10c

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION





PLAN VIEW TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

May 2023 DATE /S/ Andrew Heidtke

<position>

6

SDD 15D30-10d

15D30-10d SDD WORK AREA

10' (MIN.)

3

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WORK AREA

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 $\frac{1}{2}$ ". LATERAL EDGES MAY BE VERTICAL UP TO $\frac{1}{4}$ " HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN $\frac{1}{4}$ " AND $\frac{1}{2}$ ".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) 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

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TRAFFIC CONTROL DRUM



TYPE III BARRICADE

TEMPORARY PEDESTRIAN BARRICADE



TEMPORARY DETECTABLE WARNING FIELD



WORK AREA

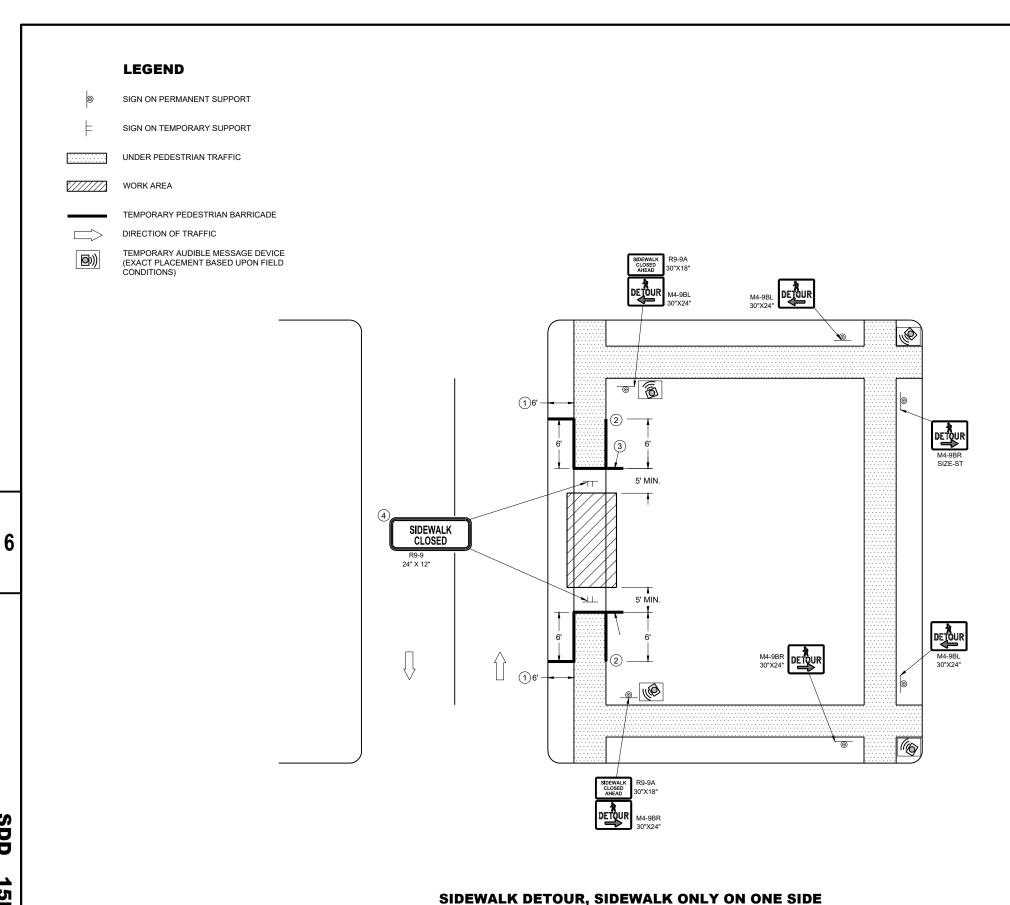


TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

SDD 15D30-10e



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.

- $\scriptsize \textcircled{1}$ IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
- PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT 2) 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.

SDD

15D30-10f

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

5D30-10f

S

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.

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.
- (3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

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15D30-10g

S

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D30-10g

DD 15D30-10h

S

GENERAL NOTES

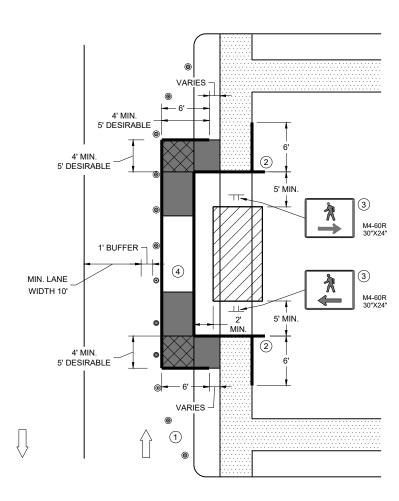
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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.
- $\ensuremath{\textcircled{2}}$ 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.

USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED,

USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS
ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH
THE EXISTING ROADWAY CROSS SLOPE.



SIDEWALK BYPASS, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

CURB RAMP PEDESTRIAN TRAFFIC CONTROL

SIDEWALK ON SINGLE SIDE

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15D30-1

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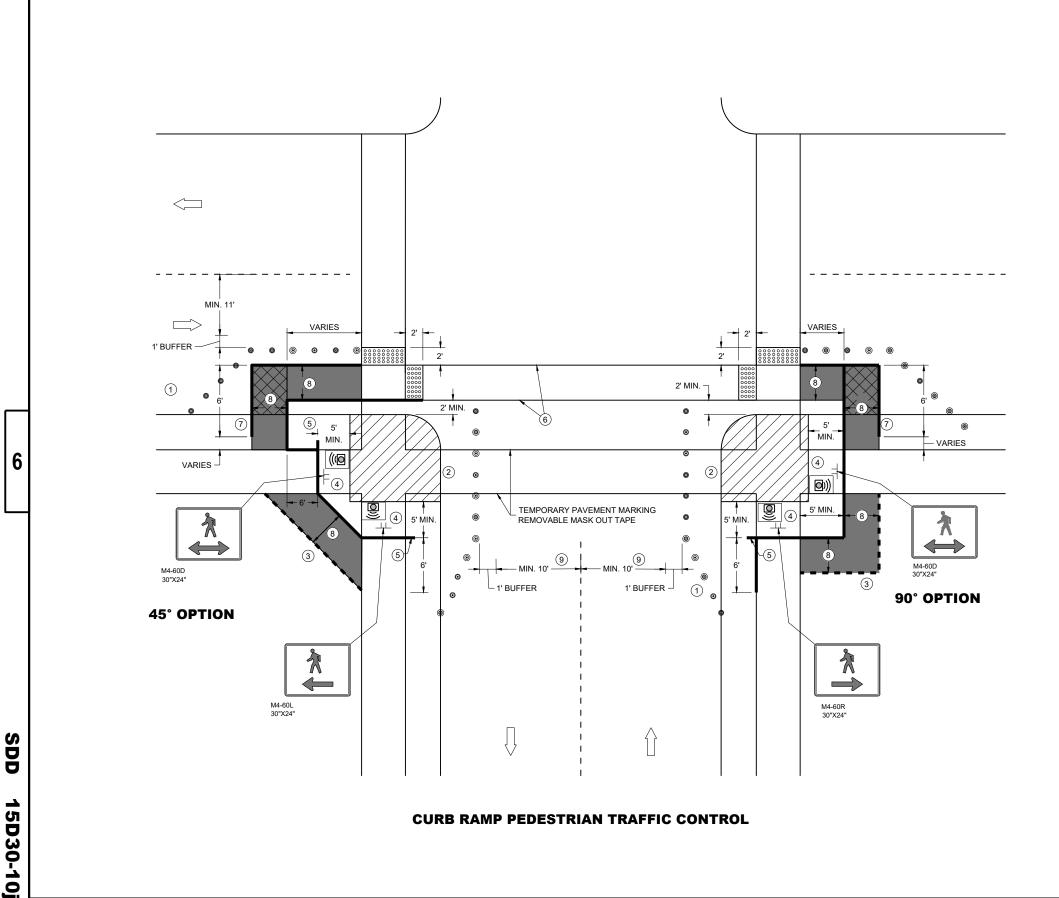
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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL,

PEDESTRIAN ACCOMMODATION

S



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
- $\ensuremath{\mathfrak{J}}$ USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
- $\stackrel{\textstyle \leftarrow}{\mbox{\scriptsize (4)}}$ MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
- $\ensuremath{\mathfrak{D}}$ PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
- 6 WHITE 6" TEMPORARY PAVEMENT MARKING
- 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
- 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

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SIGN ON PERMANENT SUPPORT

1

SIGN ON TEMPORARY SUPPORT
UNDER PEDESTRIAN TRAFFIC

DIRECTION OF TRAFFIC

//////

WORK AREA

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TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

(1)6' SIDEWALK 24" X 12" 1)6'

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.
- 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.
- $\ \, \ \,$ 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.

6

15D30-10k

S

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D30-10k

6

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.
- 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.
- 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.
- 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"

DIRECTION OF TRAFFIC

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

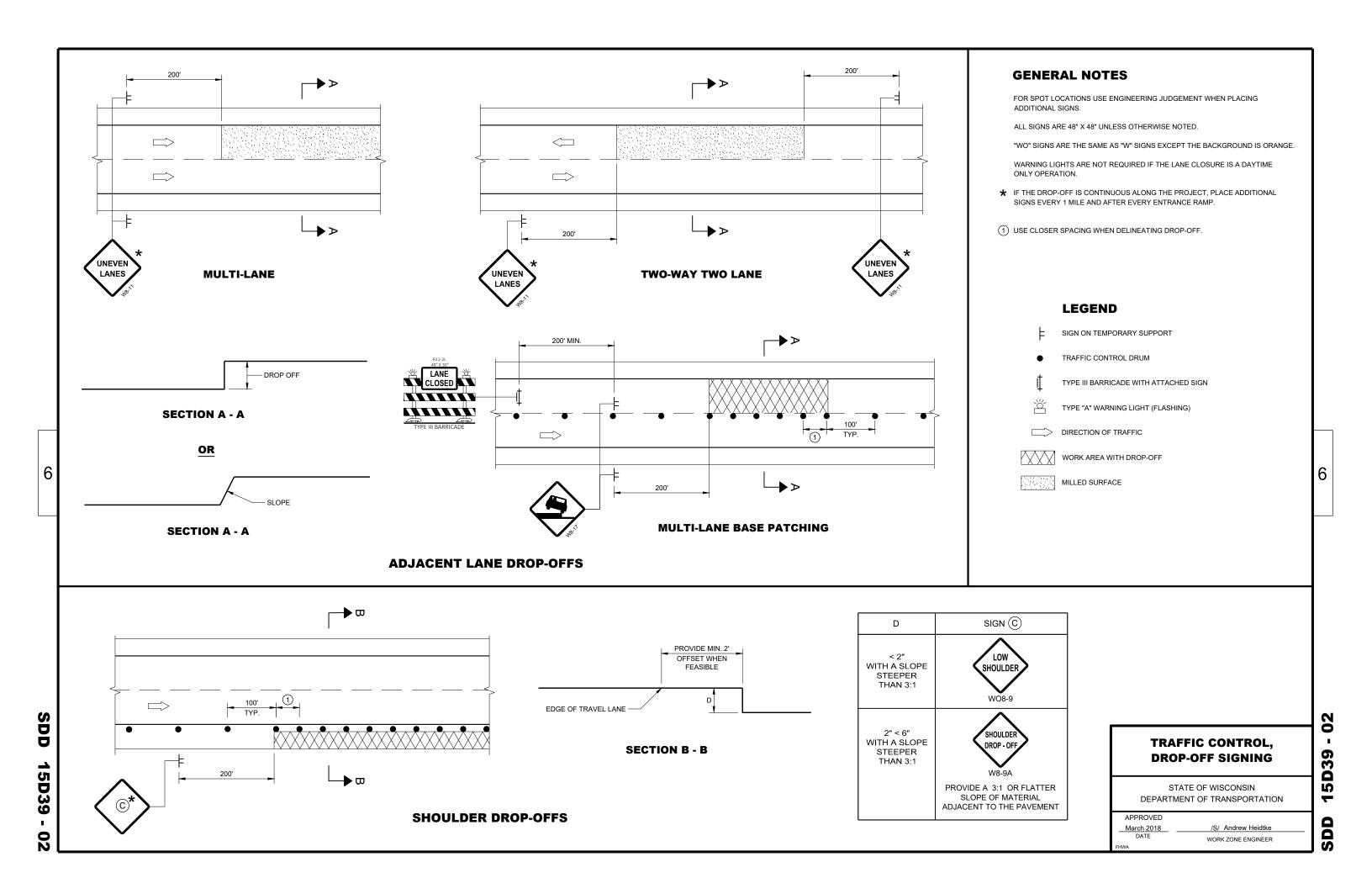
> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

TEMPORARY PEDESTRIAN BARRICADE

SDD 15D30-1

9

30-10I



DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

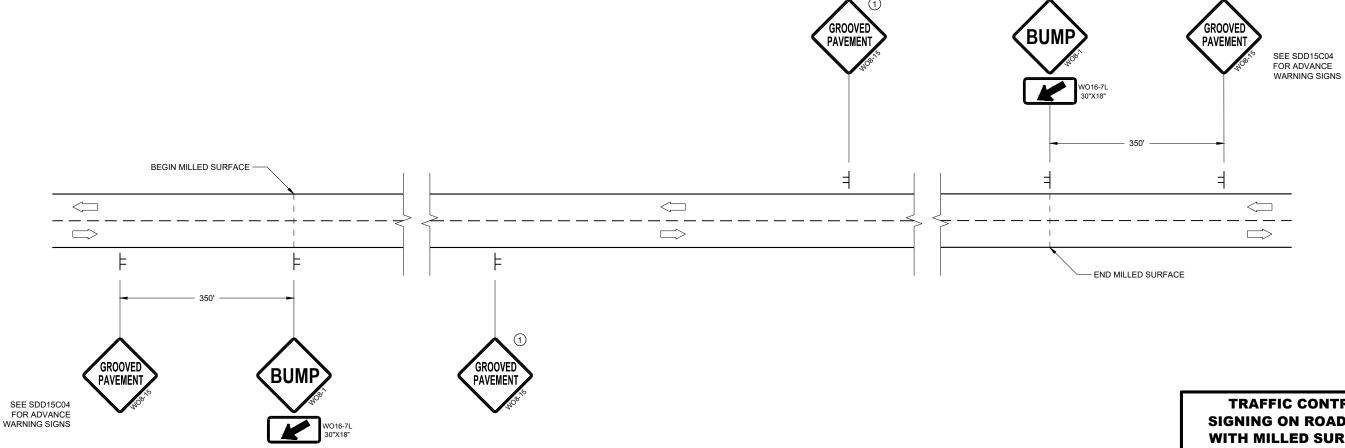
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

- (1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- (2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

DIRECTION OF TRAFFIC



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, **SIGNING ON ROADWAYS WITH MILLED SURFACES**

 $\perp \! \! \! \! \! \! \! \! \! \! \perp$

TYPICAL SIDE ROAD APPROACH SIGN DETAIL

PAVEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Ò S

APPROVED February 2020 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION

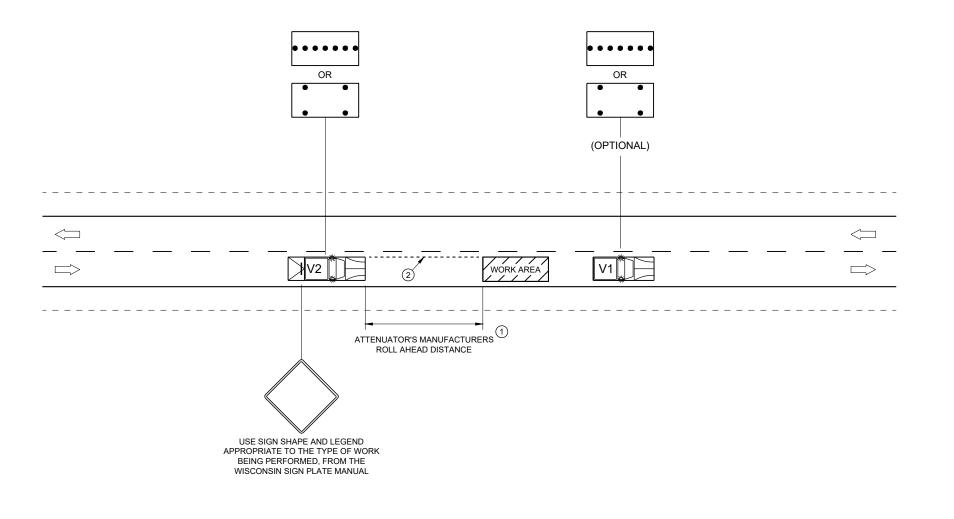
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF

DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



POSTED SPEED PRIOR TO DECISION SIGHT

DISTANCE (D)

550'

700'

700'

900'

900'

1200'

WORK STARTING (MPH)

30

35

40

45

50

55

TRAFFIC CONTROL, **MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

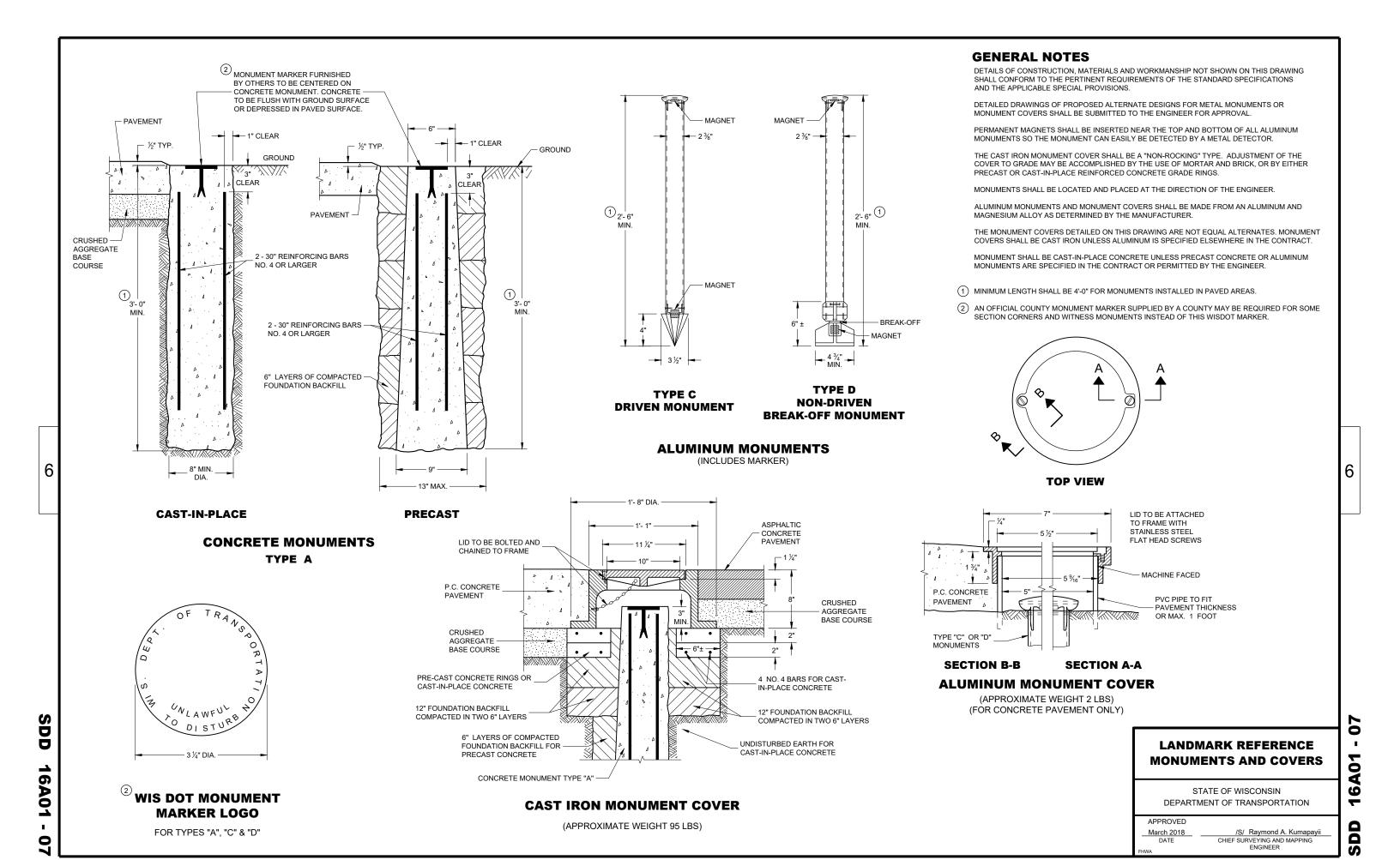
APPROVED

February 2021 DATE

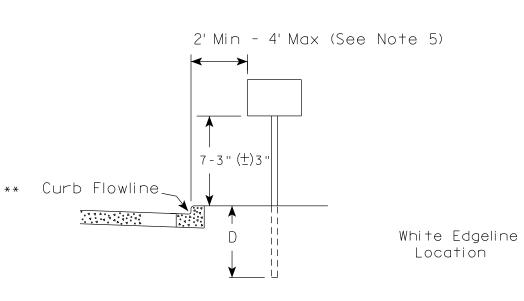
/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

D

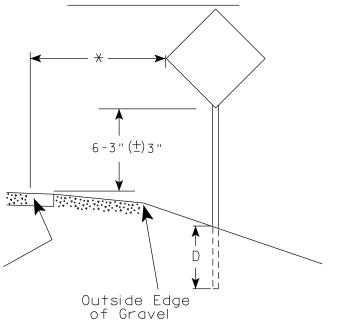
IJ







RURAL AREA (See Note 2)



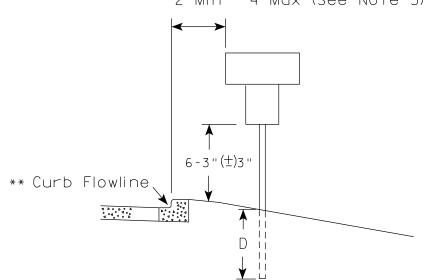
GENERAL NOTES

- 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" (\pm) 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" (\pm) 3".

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) 3" or 6'-3" (\pm) 3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{-}$) 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'' (\pm) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

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.

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. __A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



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



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

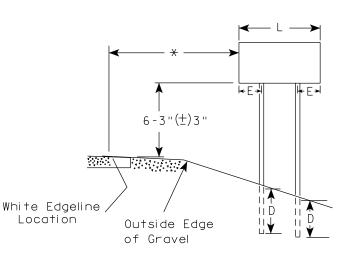
PLOT NAME :

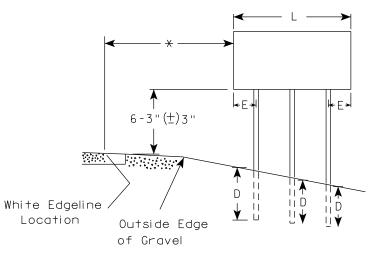
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

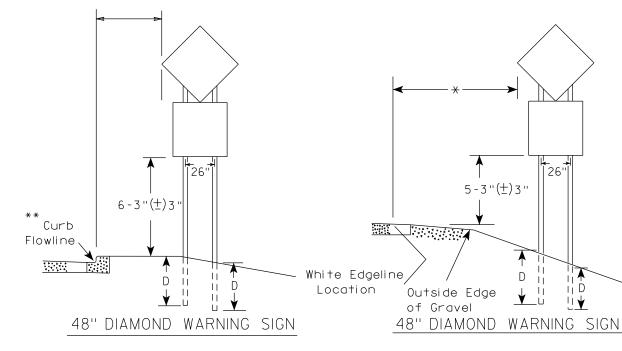
APPROVED

WISDOT/CADDS SHEET 42





2'Min - 4'Max (See Note 6)



	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)	
	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''	

- 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'' (\pm) 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.
- $\star\star\star$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

	ı
Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

SHEET NO:

Ε

PROJECT NO: HWY:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

COUNTY:

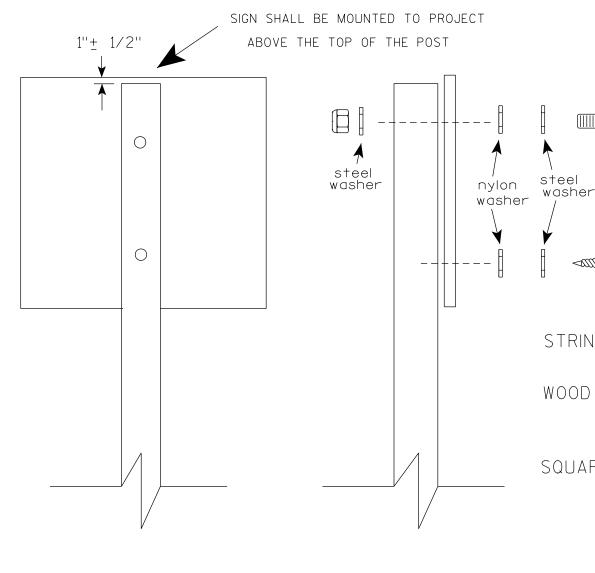
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PLOT DATE: 6-DEC 2023 11:31

PLOT BY : mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



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 - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

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 - 3/32 " (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 $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " 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

APPROVED

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

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WISCONSIN DEPT OF TRANSPORTATION

Matther ≠or State Traffic Engineer

SHEET NO:



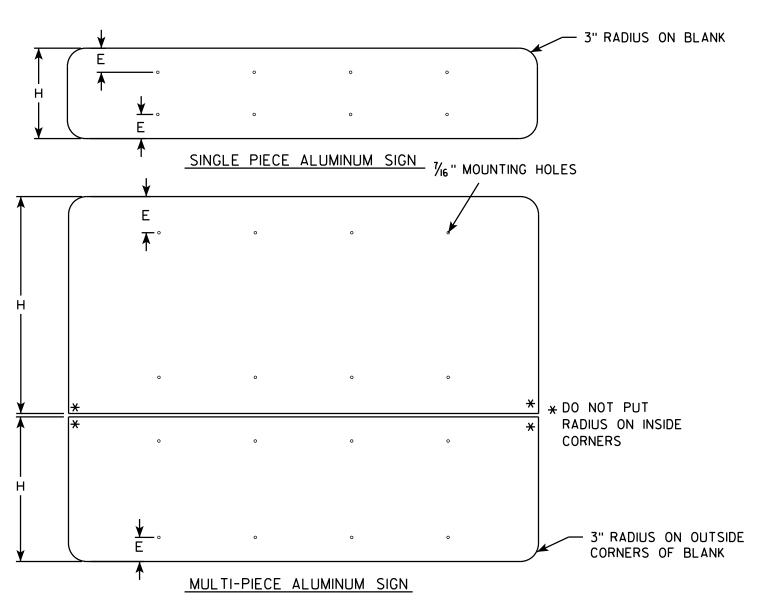
PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer

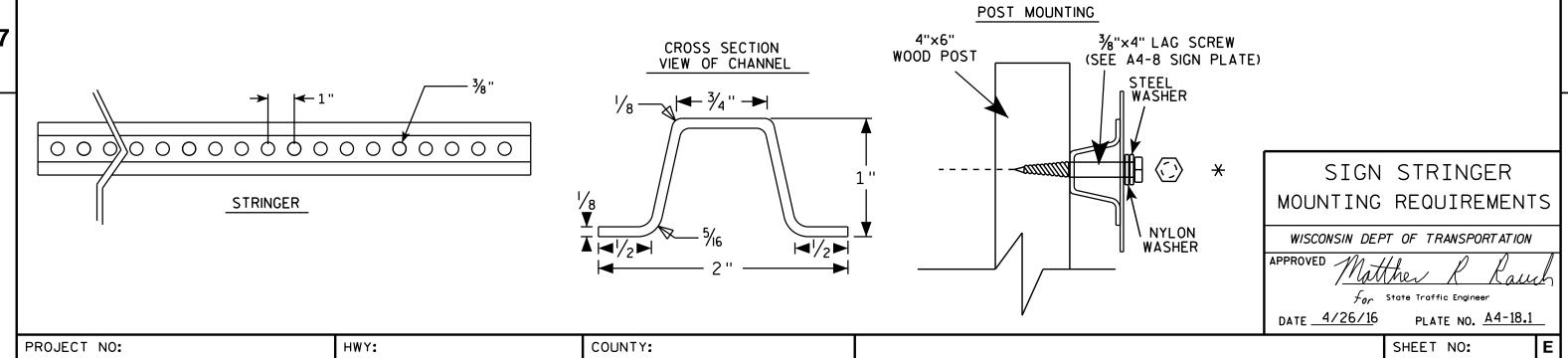




GENERAL NOTES

- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE $\frac{7}{16}$ " DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING				NTING OLES			
7 8''	7 2"	2	16''	15''	31''	47''	63''			
84''	72"	2	17''	161/2"	331/2"	501/2"	6 7 1/2	1		
90"	72"	2	18''	18''	36''	54''	72"			
96"	90''	2	19''	191/2"	381/2''	57½"	761/2			
102"	90''	2	20"	21''	41''	61''	81''			
108''	90"	2	21''	221/21	' 43 ^l / ₂ ''	641/2"	851/2			
114''	108''	3	15''	12''	2 7 ''	42''	57''	72"	87''	102''
120''	108''	3	16''	12''	28''	44''	60"	76"	92"	108''
126"	108''	3	17''	12''	29"	46''	63''	80"	97''	114''
132"	126''	3	18''	12''	30"	48''	66''	84"	102"	120''
138''	126''	3	19"	12''	31''	50"	69"	88"	107''	126"
144''	126"	3	20"	12''	32"	52"	72"	92"	112''	132"



PLOT BY: mscj9h

BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

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 $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

31/2"

VIEW FROM TOP

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, $\frac{3}{4}$ " 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 $1^{1}/_{4}$ " O.D. X $3/_{16}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \times LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/19/2022 PLATE NO. A5-10.3

SHEET NO:

APPROVED

PROJECT NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgr

PLOT DATE: 19-APRIL 2022 11:55

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

SIGN



- 1. Sign is Type II Type H Reflective
- 2. Color:

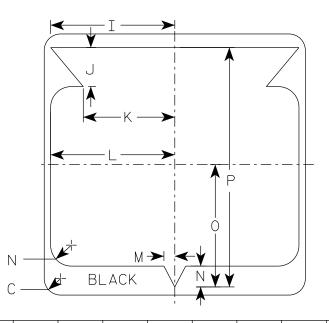
Background - White Message – Black

3. Message Series - D except 3 number signs Series C

	F A
	BLACK V
← A	————

M1-6

HWY:



SIZ	E A	4	ВС	D E		F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	U	٧	W	X	Υ	Z	Area sq. ft.
1																											
2	24	4	1 1/2		1	12	5 1/2	6 1/2	10 1/4	2 1/2	8 1/8	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0
21	1 24	4	1 1/2		1	12	5 1/2	6 1/2	10 1/4	2 1/2	8 1/8	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0
3	36	6	2 1/4		1	18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
4	36	6	2 1/4		1	18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
5	36	6	2 1/4		1	18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 7/8	33											9.0

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

₹or State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

Ε

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M16.dgn

PROJECT NO:

PLOT DATE: 8-NOV 2022 8:40

PLOT BY : dotc4c

PLOT NAME :

1. All Signs Type II - Type H Reflective

NOTES

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

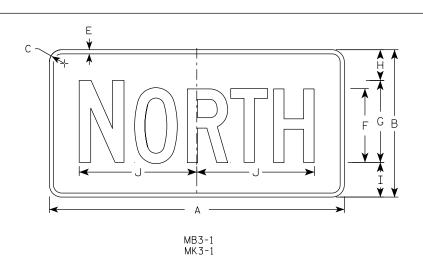
MN3-1 thru MN3-4 Background - Brown

Message - White

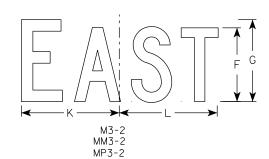
MP3-1 thru MP3-4 Background - White

Message - Blue

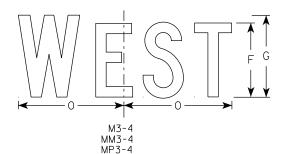
6. Note the first letter of each direction is larger than the remainder of the message.



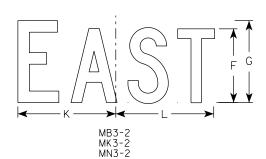
M3-1 MM3-1 MP3-1

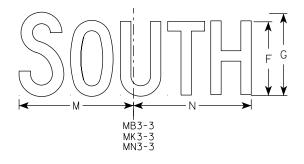


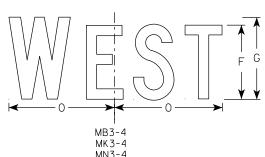
MM3-3



HWY:







SIZE	Α .	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																										
25	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4 7	8 8 3	8 10 1/2	9 3/4	8 3/4												2.00
2N	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4 7	8 8 3	8 10 1/2	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	/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	/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	/8 14	14 1/8	13												4.5

STANDARD SIGNS M3-1 THRU M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 2/8/2023 PLATE NO. <u>M3-1.1</u>5

SHEET NO:

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M31.dgn COUNTY:

PLOT DATE: 8-FEB 2023 11:00

PLOT NAME :

PLOT BY : dotc4c

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

- 3. Message Series B
- 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	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
			- / 2	, ,	/ 2		, , ,	, , ,	- / 2																		<u> </u>

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe R Rauch

DATE 2/9/2023 PLATE NO. M4-8.4

SHEET NO:

PROJECT NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\M48.dgn

HWY:

PLOT DATE : 9-FEB 2023 7:38

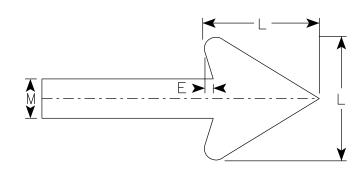
PLOT BY : dotc4c

PLOT NAME :

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M4-60L is the same as M4-60R except the arrow is reversed.



Arrow Detail

D → E	F
	G
	H H
K K	F Y
M4-60R	→

SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Χ	Y	Z	Area sq. ft.
1																											
25	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	7	6	2														5.00
2M	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	7	6	2														5.00
3																											
4																											
5																											

STANDARD SIGN M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew For_{State} Traffic Engineer

SHEET NO:

DATE 2/14/2023 PLATE NO. M4-60.2

COUNTY: PROJECT NO:

HWY:

PLOT DATE: 14-FEB 2023 8:12 PLOT BY : dotc4c PLOT NAME :

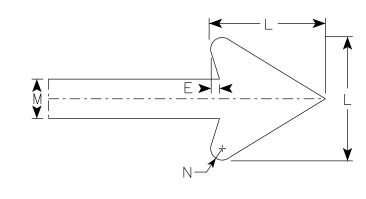
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\M460.dgn

- 1. Sign is Type II- Type F Reflective
- 2. Color:

Background - Orange Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

		ı	_					1										_	_					Lv			Area
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	sq. ft.
1																											
25	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
2M	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
3																											
4																											
5																											

M4-60D

STANDARD SIGN M4-60D

WISCONSIN DEPT OF TRANSPORTATION

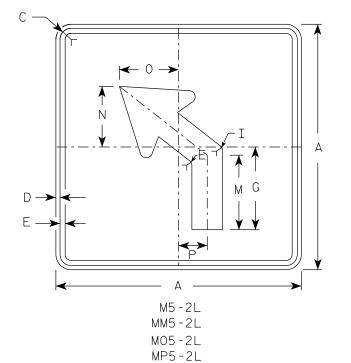
APPROVED Matther & Rawl

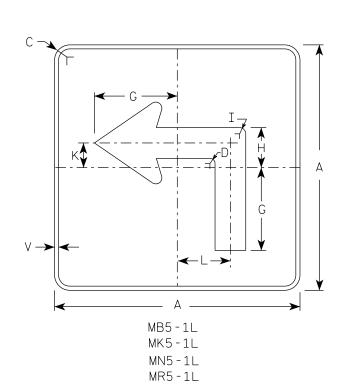
For State Traffic Engineer
DATE 2/14/2023 PLATE NO. M4-60D.2

PROJECT NO: HWY: COUNTY: SHEET NO:

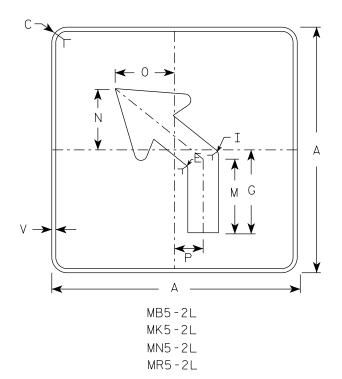
G

M5-1L MM5-1L M05-1L MP5-1L





HWY:



NOTES

- 1. Signs are Type II Type H reflective except as shown

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.
- 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

M05-1 and M05-2 Background - Orange - Type F Reflective

Message - Black

MP5-1 and MP5-2 Background - White

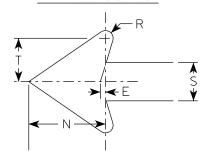
Message - Blue

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



1																										
SIZE	Α	В	С	D	E	F	G	Н	Ι	J	K	L	М	N	0	Р	Q	R	S	Т	V	W	Х	Y	Z	Area sq. ft.
1																										
25	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	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 1/8	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 1/8	1/2	5/8		10 1/8	4 1/8	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 1/8	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

COUNTY:

STANDARD SIGN M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Forstate Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M51.dgn

PROJECT NO:

PLOT DATE: 13-FEB 2023 10:05

PLOT BY : dotc4c

PLOT NAME :

- 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

M06-1 and M06-2 Background - Orange - Type F Reflective

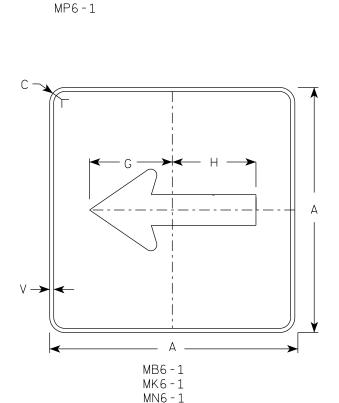
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



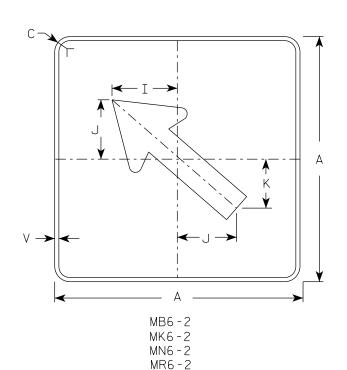
MR6-1

HWY:

M6 - 1

MM6 - 1

M06-1



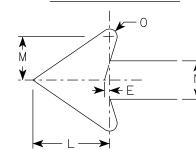
M6-2

MM6 - 2

MO6-2

MP6-2

ARROW DETAIL



SIZE	. Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	1 21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 %	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	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30)	1 1/8	1/2	5/8		10 ¾	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 1/8	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 1/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16 SHEET NO:

Ε

PLOT BY : dotc4c PLOT NAME :

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME: C:\CAEfiles\Projects\tr_stdplate_M61.dgn

PROJECT NO:

PLOT DATE: 13-FEB 2023 1:30



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Red Message - White

3. Message Series - C

*								— А — ;											A	
									H			- G -							F	A
		E						 	-1			_//								*
D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	w	Х

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. ____R1-1.13

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN

HWY:

PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

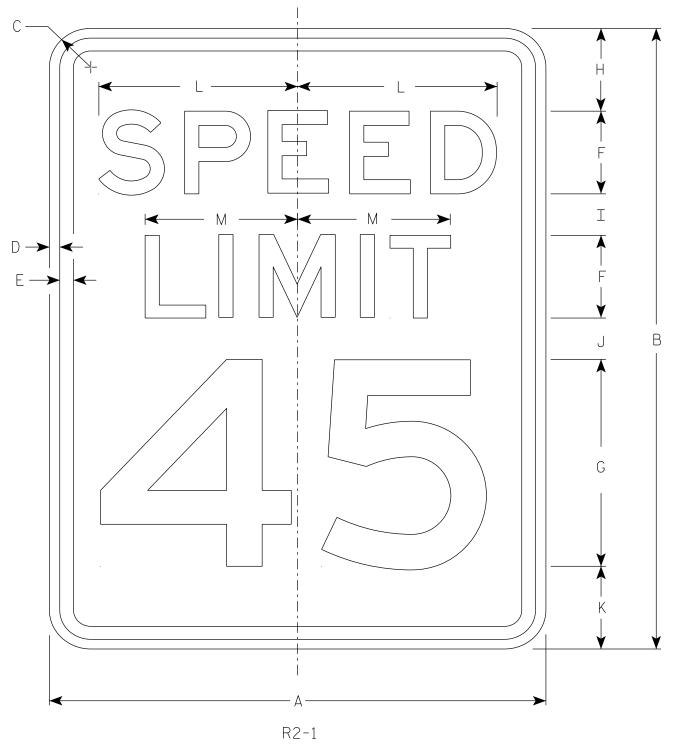
PLOT SCALE: 4.427909:1.000000

WISDOT/CADDS SHEET 42

- 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	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	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
25	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 1/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 1/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 1/8	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

COUNTY:

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 2/1/23

For State Traffic Engineer PLATE NO. R2-1.14

HWY:

PROJECT NO:

PLOT DATE: 9-JULY 2024 1:47

PLOT BY : mscj9h

PLOT NAME :

- 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

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 sa ft for Size 3

40.0 sq ft for Size 4 or 5

5 Letters = 18.75 sq ft for Size 2

30.0 sa 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 sa ft for Size 3

2.0 sq ft for Size 4 or 5

STANDARD SIGN R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther State Traffic Engineer

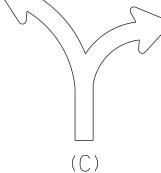
DATE 2/14/23 PLATE NO. R3-8.2

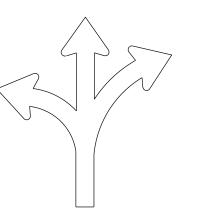
SHEET NO:

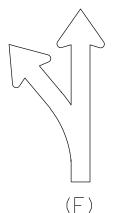




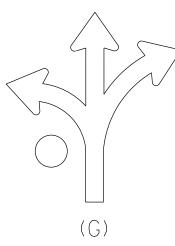


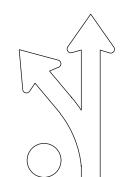








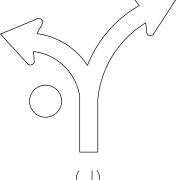




(H)

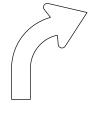
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

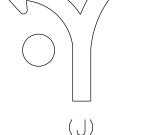












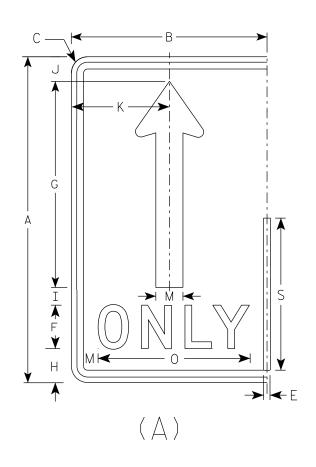
PROJECT NO:

Ε

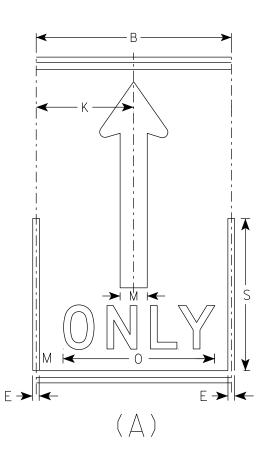
- 1. Sign is Type II Type H Reflective
- 2. Color:

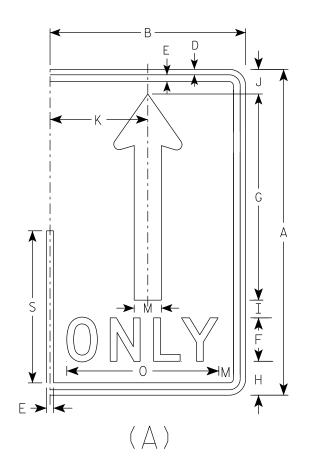
Background - White Message - Black

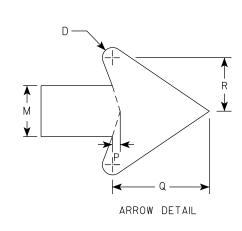
3. Message Series - D



HWY:







SIZE	А	В	С	D	E	F	G	П	I	J	K	L M	Ν	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																										
25	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1	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 ¾	3 3/4	1 3/4	2 3/4	12	3		17 5/8	1/2	5 3/4	3 1/8	16 ¾								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 1/8	3 %	15	4		21 3/4	5/8	7 %	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 1/8	3 %	15	4		21 3/4	5/8	7 %	4 1/4	22 3/8								10.0

STANDARD SIGN R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

DATE <u>2/14/23</u>

PLATE NO. <u>R3-8.2</u>

Ε

PROJECT NO:

COUNTY:

PLOT DATE: 14-FEB 2023 3:04

PLOT BY : mscj9h

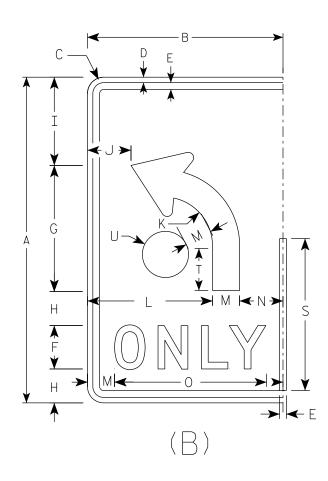
PLOT NAME :

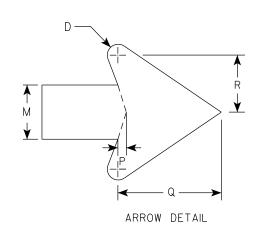
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message – Black Message Series - D





SIZ	E A	А	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Р	Q	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.
1																												
25	3	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	14	3 1/8	2 1/8						3.75
21	1 3	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	14	3 1/8	2 1/8						3.75
3	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	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	4	48	30	2 1/4	3/4	1	6	18	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

R3-8 (B) Arrow WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

APPROVED Matther f_{or} State Traffic Engineer

DATE <u>2/14/23</u> PLATE NO. <u>R3-8.2</u>

SHEET NO: Ε PLOT BY: mscj9h

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

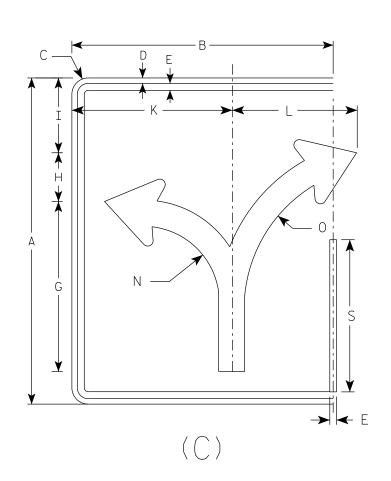
PLOT DATE: 14-FEB 2023 3:19

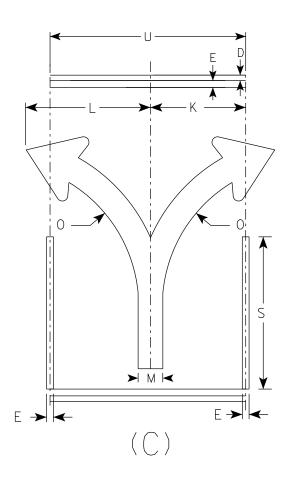
- 1. Sign is Type II Type H Reflective
- 2. Color:

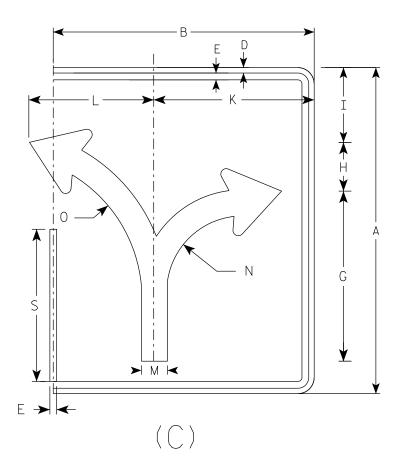
Background - White Message - Black

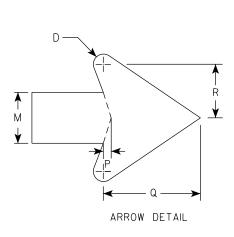
3. Message Series - None

ENDS MIDDLE









1																										I		
SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.	Area sq. ft.
1																												
25	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 1/8	1	4 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 1/8	1	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	1	17 1/4	17 1/4	2 1/8	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 1/8	7 1/4	11	2	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 1/8	7 1/4	11	2	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

COUNTY:

STANDARD SIGN R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

 \mathcal{F}_{or} State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

HWY:

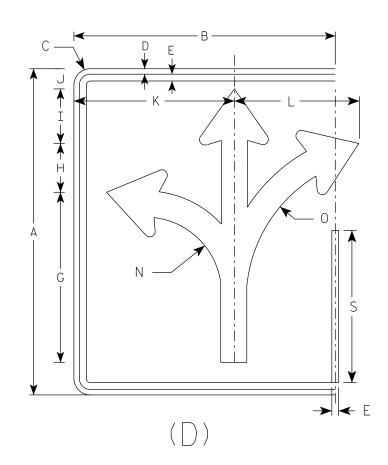
PROJECT NO:

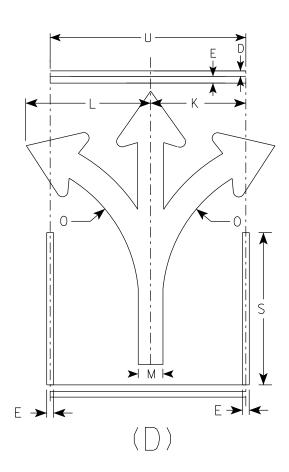
- 1. Sign is Type II Type H Reflective
- 2. Color:

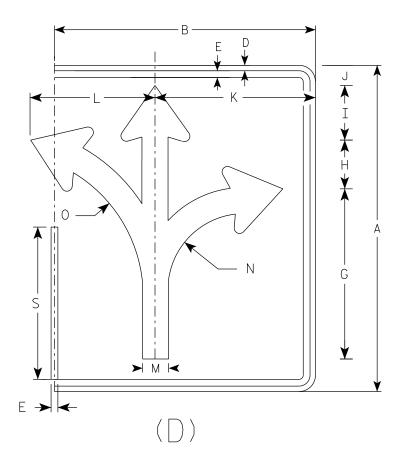
Background - White Message - Black

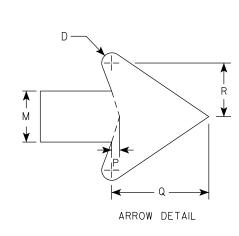
3. Message Series - None

ENDS MIDDLE









SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.	Area sq. ft.
1																												
25	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 1/8	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 %	4 1/2	5	1 1/8	14 ¾	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 1/8	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 1/8	7 1/4	7 1/8	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 1/8	7 1/4	7 1/8	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 <u>2/14/23</u> PLATE NO. R3-8.2 SHEET NO:

Ε

PROJECT NO:

FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

HWY:

COUNTY: PLOT DATE: 14-FEB 2023 3:20

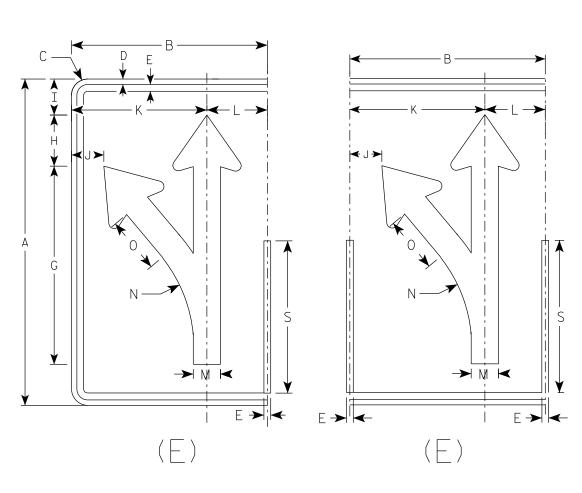
PLOT BY : mscj9h

PLOT NAME :

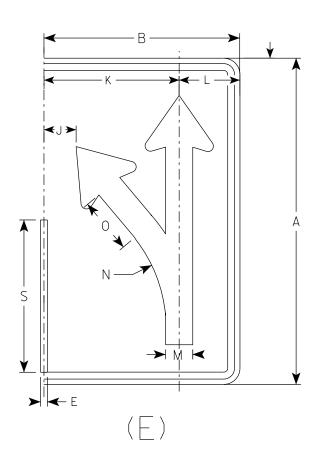
- 1. Sign is Type II Type H Reflective
- 2. Color:

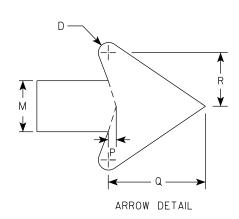
Background - White Message – Black

3. Message Series - None



HWY:





SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y Z	Area sq. ft.
1																										
25	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 %	4	4 1/8	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

COUNTY:

STANDARD SIGN R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

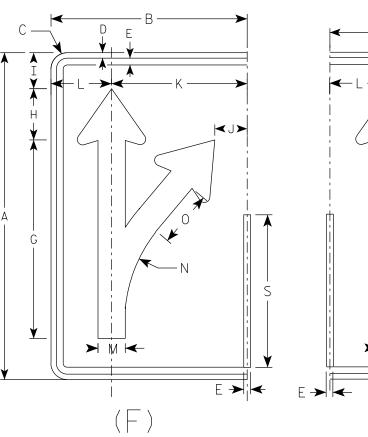
PLOT DATE: 14-FEB 2023 3:07

PLOT BY: mscj9h

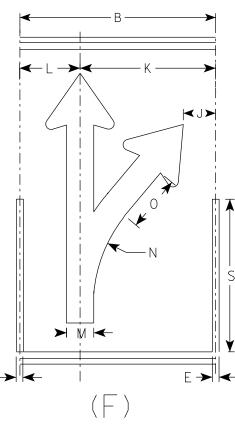
- 1. Sign is Type II Type H Reflective
- 2. Color:

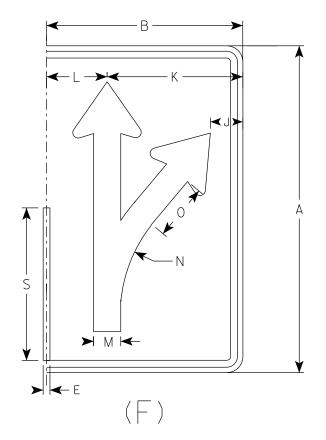
Background - White Message - Black

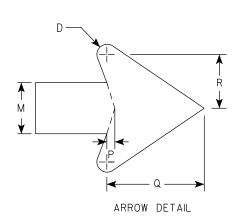
3. Message Series - None



HWY:







SIZE	А	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Χ	Y	Z	Area sq. ft.
1																											
25	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 1/8				16 1/8			15 1/8	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					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 %	4 1/4	22 3/8								10.0

COUNTY:

STANDARD SIGN R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Raw

For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO: **E**

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

PLOT DATE: 14-FEB 2023 3:15

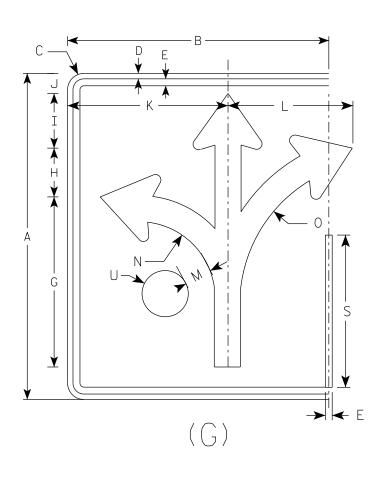
PLOT BY: mscj9h

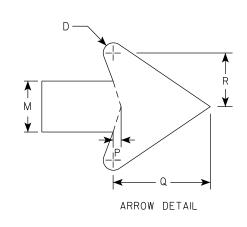
PLOT NAME :

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - None





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T U	V	W	X	Y	Z	Area sq. ft.
1																										
25	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 1/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14	2 !	8					5.0
2M	30	24	1 1/2	1/2	5/8		15 %	4 1/2	5	1 1/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14	2 !	, 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 1/8	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 1/8	7 1/4	7 1/8	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 1/8	7 1/4	7 1/8	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 Matther For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2 SHEET NO:

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn HWY:

COUNTY:

PLOT DATE: 14-FEB 2023 3:21

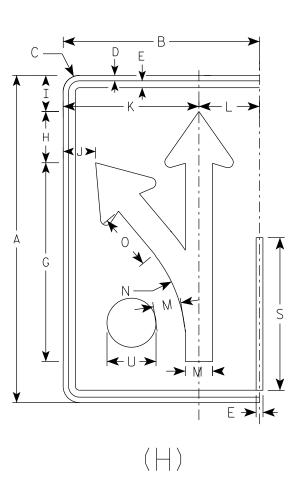
PLOT NAME :

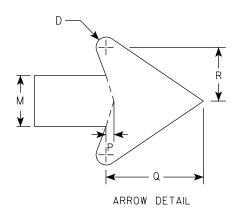
PLOT BY: mscj9h

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message – Black

3. Message Series - None





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Χ	Y	Z	Area sq. ft.
1																											
25	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 1/8	5 %	4	4 1/8	16 1/8	7 3/4	3	15 1/8	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		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

 f_{or} State Traffic Engineer

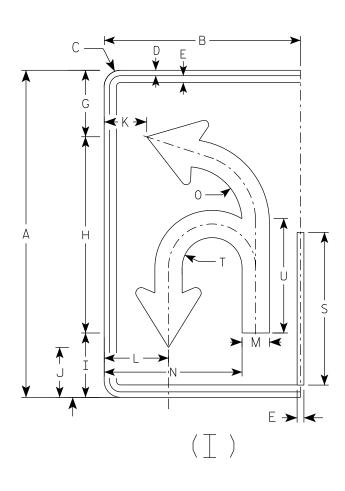
DATE 2/14/23 PLATE NO. R3-8.2

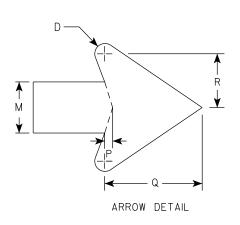
PROJECT NO: HWY: COUNTY: SHEET NO:

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - None





SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	30	18	1 1/2	1/2	5/8		6 1/8	18	5 %	4 5/8	3 1/8	5 %	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 1/8	4 5/8	3 1/8	5 %	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 1/8	21 5/8	7 1/8	5 1/2	5 %	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 ¾	9 3/8	7 1/4	6 1/8	10	4	20 1/8	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 1/8	10	4	20 1/8	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 Matther f_{or} State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

Ε

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

HWY:

COUNTY: PLOT DATE: 14-FEB 2023 3:16

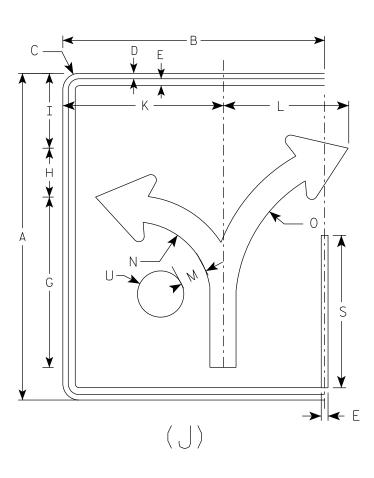
PLOT BY: mscj9h

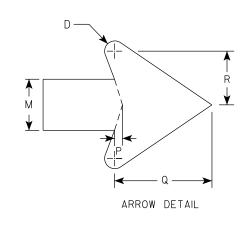
PLOT NAME :

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - None





SIZ	E ,	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	area sq. ft.
1																												
25	5 -	30	24	1 1/2	1/2	5/8		15 %	4 1/2	6 %		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
21	1 3	30	24	1 1/2	1/2	5/8		15 %	4 1/2	6 %		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	100	36	30	1 1/2	1/2	5/8		18 ¾	5 1/2	8 1/4		17 1/4	17 1/4	2 1/8	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 1/8	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 1/8	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

COUNTY:

STANDARD SIGN R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther f_{or} State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

HWY:

PROJECT NO:

PLOT DATE: 14-FEB 2023 3:18

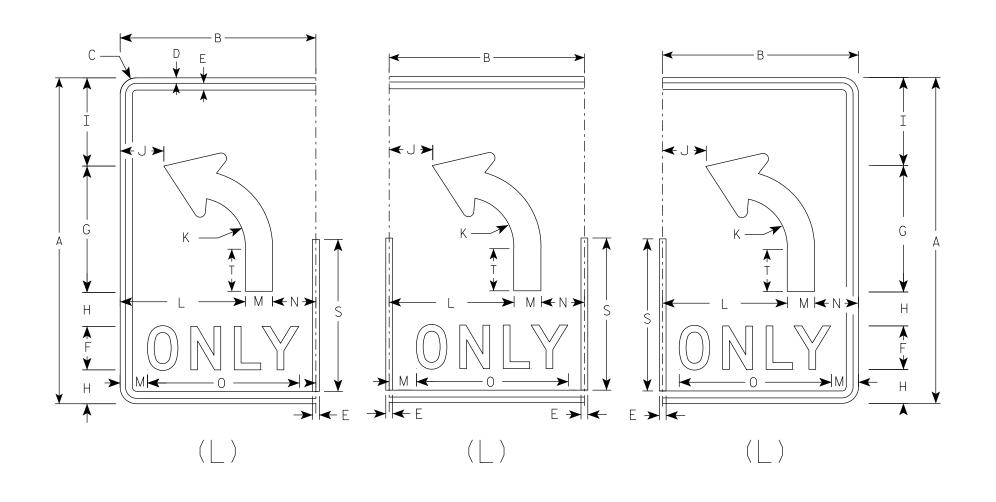
PLOT BY : mscj9h

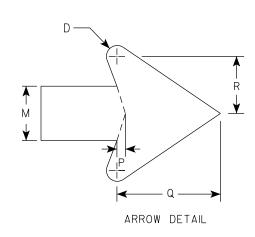
PLOT NAME :

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - D





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Р	0	R	S	Т	C	٧	W	X	Y	Z	Area sq. ft.
1																											
25	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 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	14	3 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 ¾	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

PPROVED Matthew & Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

WISDOT/CADDS SHEET 42

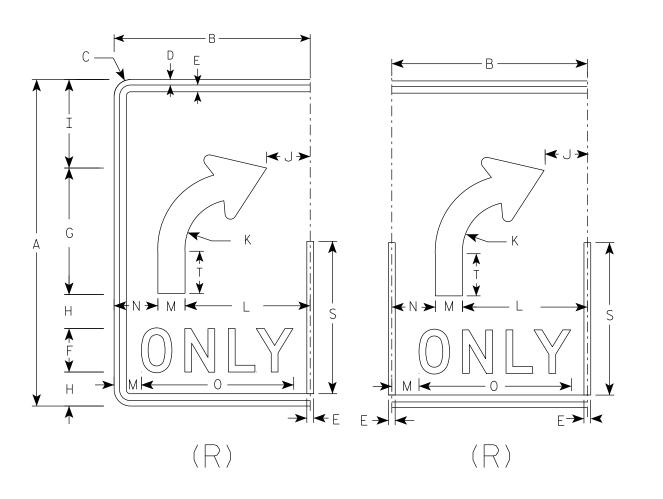
PLOT DATE: 14-FEB 2023 3:02 PLOT BY: mscj9h PLOT NAME:

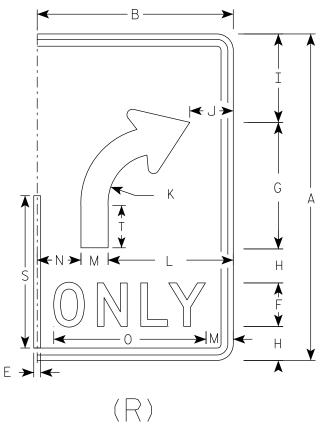
PROJECT NO:

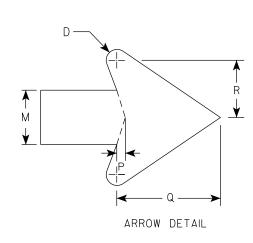
- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - D







SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
25	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 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 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							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 Ra

For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO: E

PROJECT NO:
FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

PLOT DATE: 14-FEB 2023 3:03

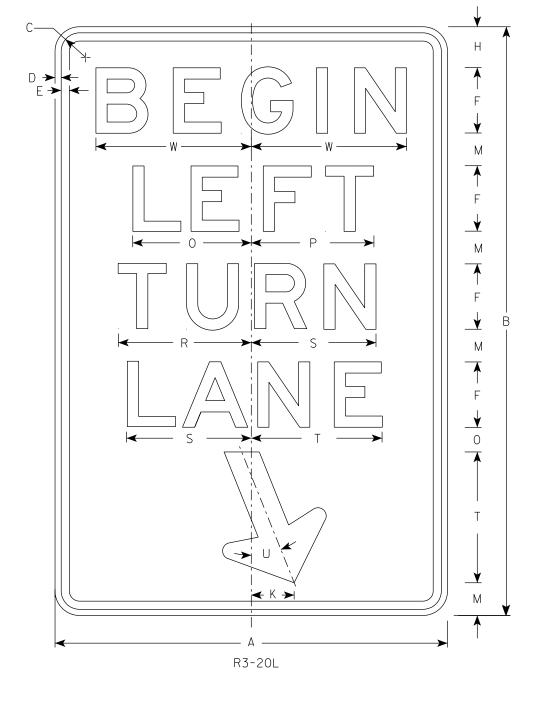
PLOT BY: mscj9h

PLOT NAME :

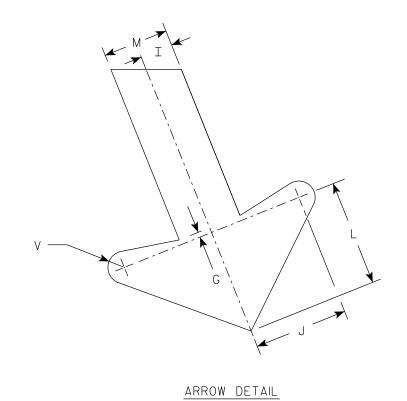
- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - E



HWY:



l —																											
SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	Q	R	S	T	U	٧	W	Χ	Y	Z	Area sq. ft.
1																											
25	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	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 1/8	2 %	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 1/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 1/8	3	2 1/4	10 1/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

STANDARD SIGN R3-20L

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 2/23/23 PLATE NO. <u>R3-20L.8</u>

SHEET NO:

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R320L.dgn

PROJECT NO:

PLOT DATE: 23-FEB 2023 10:26

PLOT BY: mscj9h

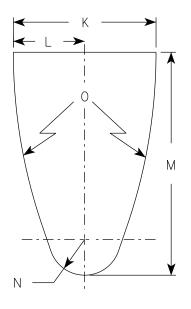
PLOT NAME :

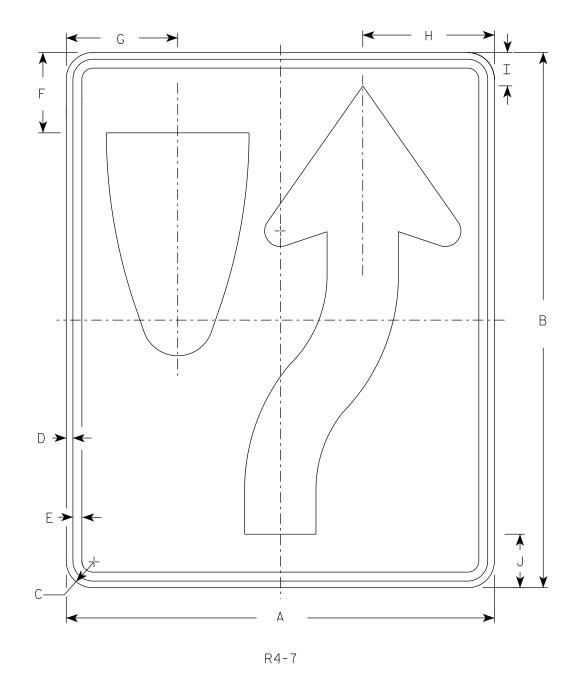
- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message – Black

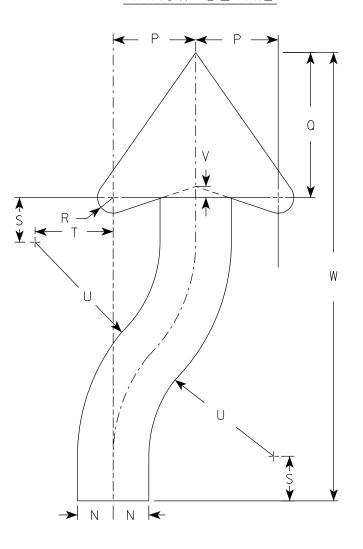
3. R4-8 is the same as R4-7 except Legend is reversed.

DIVIDER DETAIL





ARROW DETAIL



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 1/8	3 1/4	6 3/4	1/2	20 3/8				3.0
25	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 1/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 1/8	12 1/4 1	1 1/4	3 3/4	6	13 1/2	1	40 3/4				12.0
4	36	48	1 1/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 1/8	12 1/4 1	1 1/4	3 3/4	6	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1	5	8 3/4	18	1 1/4	50 1/4				20.0

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer DATE 8/17/23 PLATE NO. R4-7.9

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R47.dgn

HWY:

PROJECT NO:

COUNTY:

PLOT DATE: 17-AUG 2023 12:39

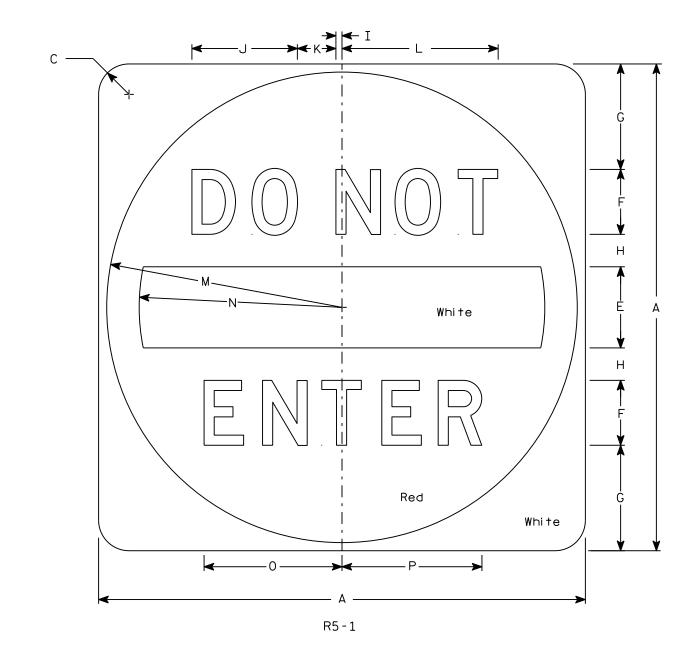
PLOT BY : mscj9h

PLOT NAME :

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - See detail Message - White

3. Message Series - D



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z	Area sq. ft.
1																											
25	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	8 %											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

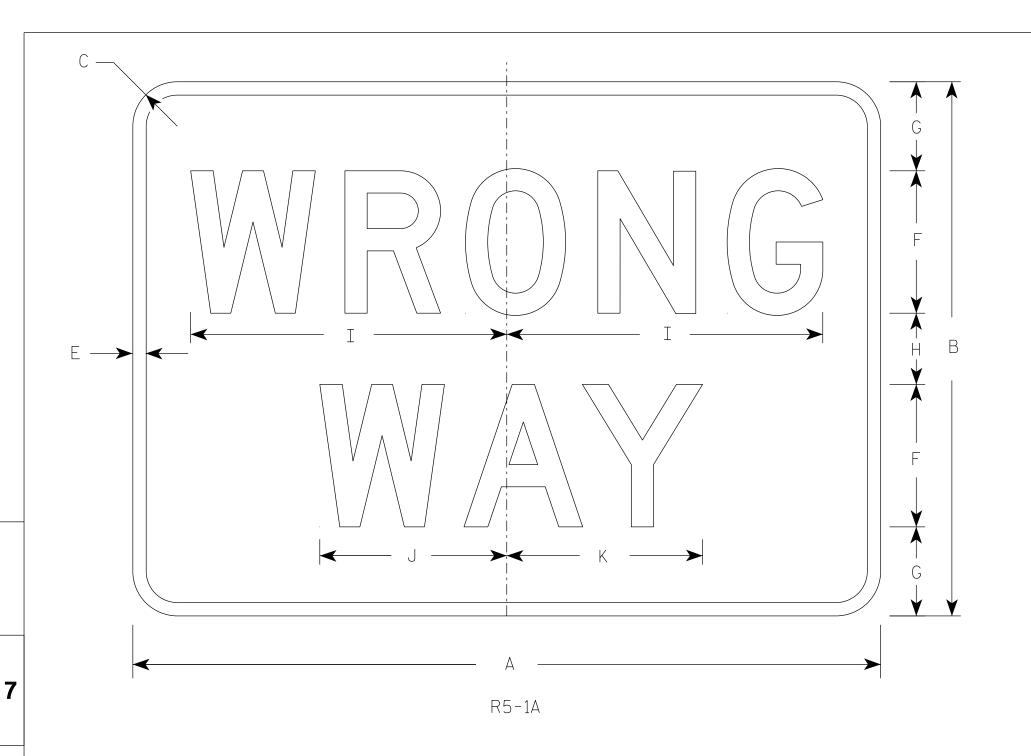
DATE <u>3/15/18</u>

8 PLATE NO. R5-1.16
SHEET NO:

PLOT SCALE : 5.914594:1.000000

HWY:

PROJECT NO:



- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - Red Message - White

3. Message Series - D

SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 1/8																3.75
25	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 1/8	8 1/4																6.00
2M	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

PLATE NO. <u>R5-1</u>A.3

PROJECT NO:

COUNTY: PLOT DATE: 17-AUG 2023 2:56

PLOT BY : mscj9h

PLOT NAME :

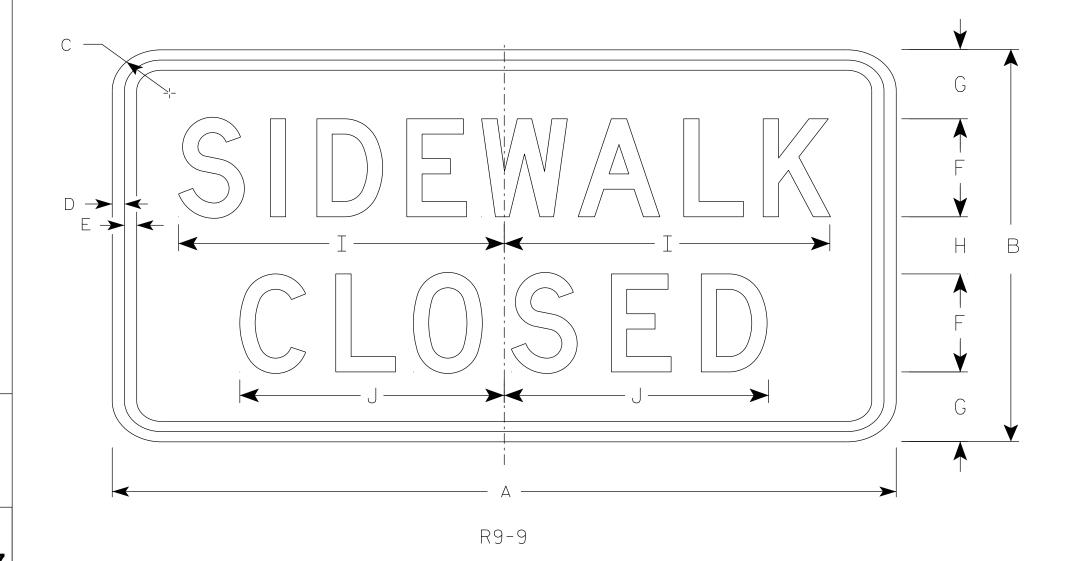
PLOT SCALE: \$\$.....plotscale.....\$\$ wisdot/cadds sheet 42

HWY:

- 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	А	В	С	D	E	F	G	Н	I	J	К	L	М	Ν	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 1/2	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

COUNTY:

STANDARD SIGN R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE <u>1/24/24</u>

PLATE NO. <u>R9-9.7</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.dgn

HWY:

PROJECT NO:

PLOT DATE: 24-JAN 2024 11:55

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$WISDOT/CADDS SHEET 42

1

2. Color:

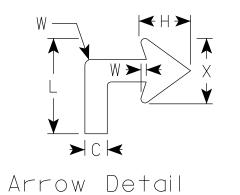
Background - Top Half - Yellow (Type F Reflective)
Bottom Half - White (Type SH Reflective)
Message - Black
Yield Symbol - Red on White (Type SH Reflective)
Ped Symbol - Black on White (Type SH Reflective)

rea symbol Brack on white trype sit here

** INSERT R1-2 AND SIZE TO FIT

3. Message Series - C except "TO" Series D

*** INSERT W11-2 AND SIZE TO FIT



$\frac{C}{\blacktriangle}$		
F Y I F Y	TURNING VELES NO MER A Q	
		A
A	** YIELD ** YIELD ** ** ***	\[\begin{picture} pict
* K *	T I I M M M	
<u>, , , , , , , , , , , , , , , , , , , </u>	A ————————————————————————————————————	•
	R10-15L	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T U	V	W	X	Y	Z	Area sq. ft.
1																										
25	30		1 1/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 1/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4 5 3/8	1	3/8	4			6.25
2M	30		1 1/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 1/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4 5 3/8	1	3/8	4			6.25
3																										
4																										
5																										

COUNTY:

STANDARD SIGN R10-15L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer

DATE 2/1/24 PLATE NO. R10-15L.3

SHEET NO:

PROJECT NO:
FILE NAME: C:\CAEFiles\Projects\tr_stdplate\R1015L.DGN

HWY:

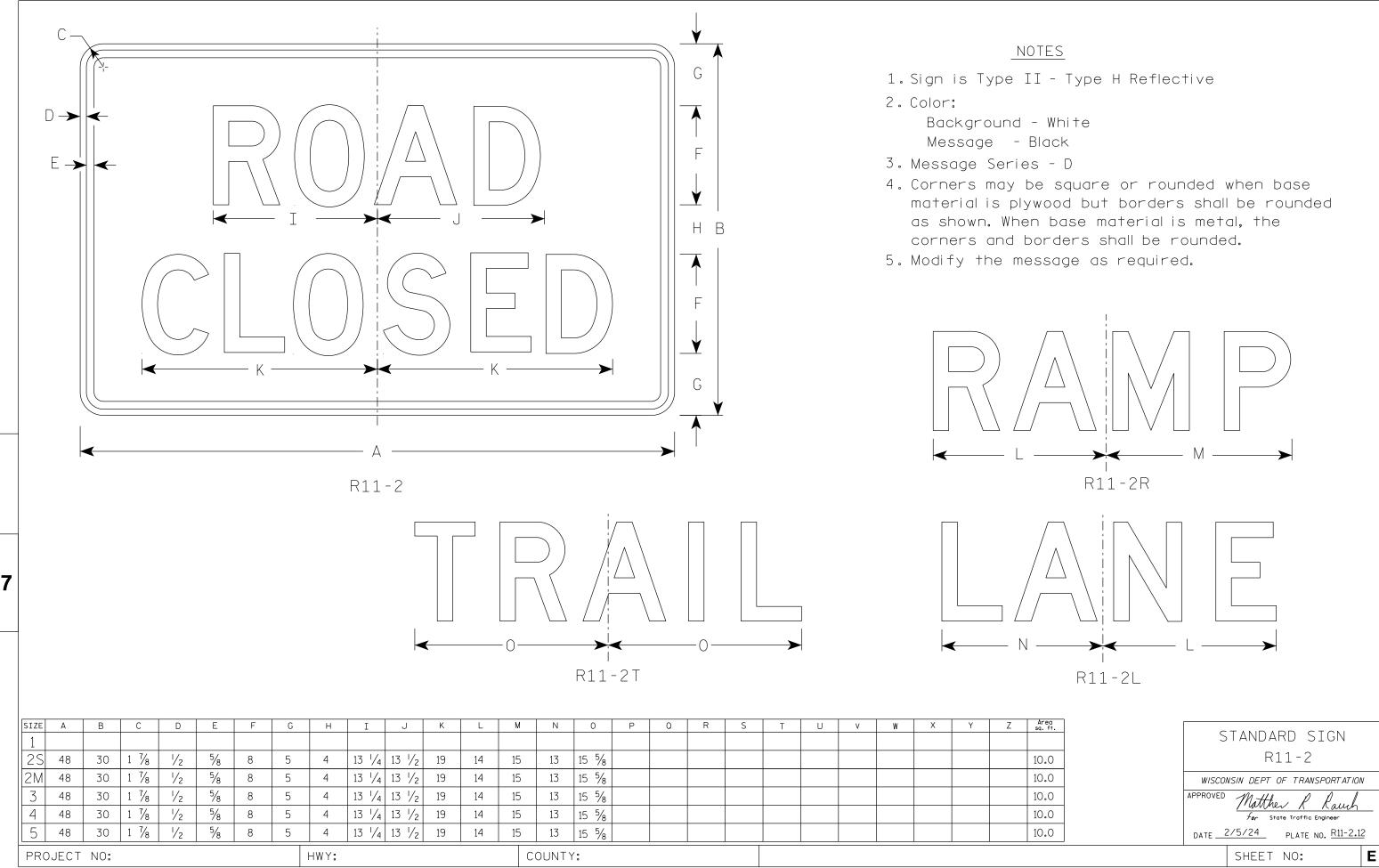
PLOT DATE : 5-FEB 2024 7:34

PLOT BY : mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

1



FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn

PLOT DATE: 5-FEB 2024 2:10

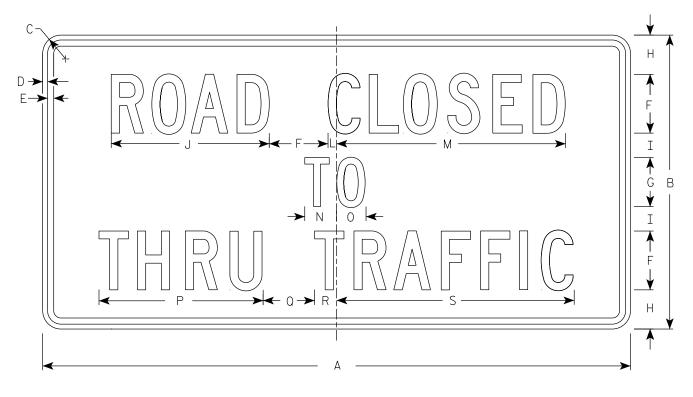
PLOT BY: mscj9h

PLOT NAME :

- 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.



R11-4

SIZE	А	В	С	D	E	F	G	Ι	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Υ	Z	Area sq. ft.
1																											
25	60	30	1 1/8	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 1/8	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																											

COUNTY:

STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

DATE 2/5/24

PLATE NO. R11-4.4

HWY:

PLOT DATE : 5-FEB 2024 2:54

PLOT BY: mscj9h

PLOT NAME :

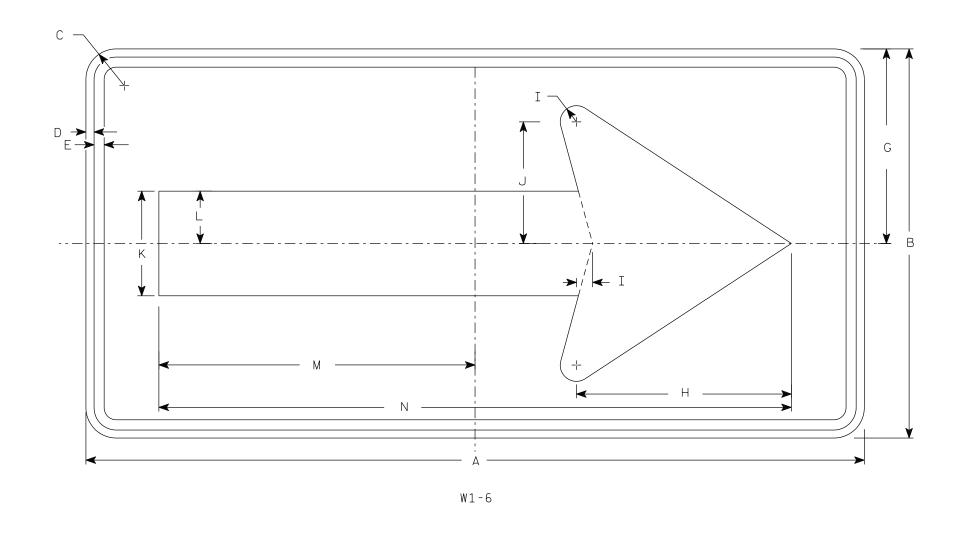
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R114.dgn

PROJECT NO:

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow Message – Black



SIZE	Α .		В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1	36	6	18	1 1/2	3/8	3/8		9	10	3/4	5 %	4 3/4	2 3/8	14 5/8	29 1/4													4.5
25	48	8	24	1 1/8	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	8	24	1 1/8	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	0	30	1 1/8	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	0	30	1 1/8	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	96	6	48	3	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

COUNTY:

STANDARD SIGN W1-6 WISCONSIN DEPT OF TRANSPORTATION DATE <u>4/13/2023</u> PLATE NO. <u>W1-6.9</u>

SHEET NO:

Ε

PROJECT NO:

PLOT DATE: 13-APRIL 2023 9:00

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W16.dgn

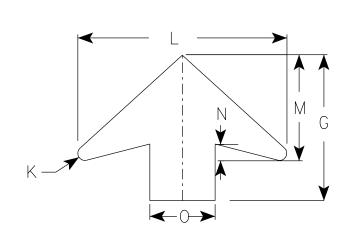
HWY:

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Arrow & Border - Black

Stop Symbol - White Border on Red Background



RROW	$D \square \top \Lambda \Pi$	
RRUW	$II \cap I \cap A \cap I$	

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	30		1 1/8	1/2	5/8	6 1/4	11 1/4	2 1/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
25	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
3	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 %	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 %	13	2	8												16.0

DATE 8/17/2023 PLATE NO. W3-1.13 Ε SHEET NO:

For State Traffic Engineer

STANDARD SIGN

WISCONSIN DEPT OF TRANSPORTATION

W3-1

W3 - 1

PLOT DATE: 17-AUG 2023 2:30

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEfiles\Project\tr_stdplate\W31.dgn

PROJECT NO:

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow Message - Black

3. Message Series - B



W4-4P

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
2M	24	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
3	36	15	1 1/2	3/8	1/2	4	2 5/8	1 3/4	10 3/4	2 3/8	3/8	13 1/2	8 3/8	3	3 1/8	8 3/8											3.75
4	42	18	1 1/2	3/8	1/2	5	3	2	13 3/8	3 1/8	3/8	16 1/8	10 1/2	3 %	3 1/8	10 3/8											5.25
5																											

COUNTY:

STANDARD SIGN W4-4P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew A for State Traffic Engineer

DATE 9/5/2023 PLATE NO. W4-4P.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W44P.dgn

HWY:

PROJECT NO:

PLOT DATE : 5-SEPT 2023 10:17

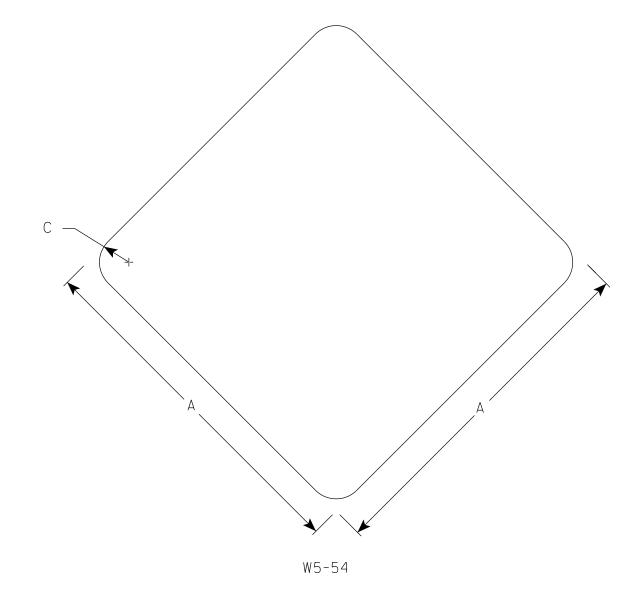
PLOT BY : dotc4c

PLOT NAME :

NOTES

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow



SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	12		1 1/2																								1.0
25	18		1 1/2																								2.25
2M	18		1 1/2																								2.25
3																											
4																											
5																											
PRO	JECT	NO:					НМ	/Y:					COU	NTY:													

STANDARD SIGN W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/5/2024 PLATE NO. W5-54.9

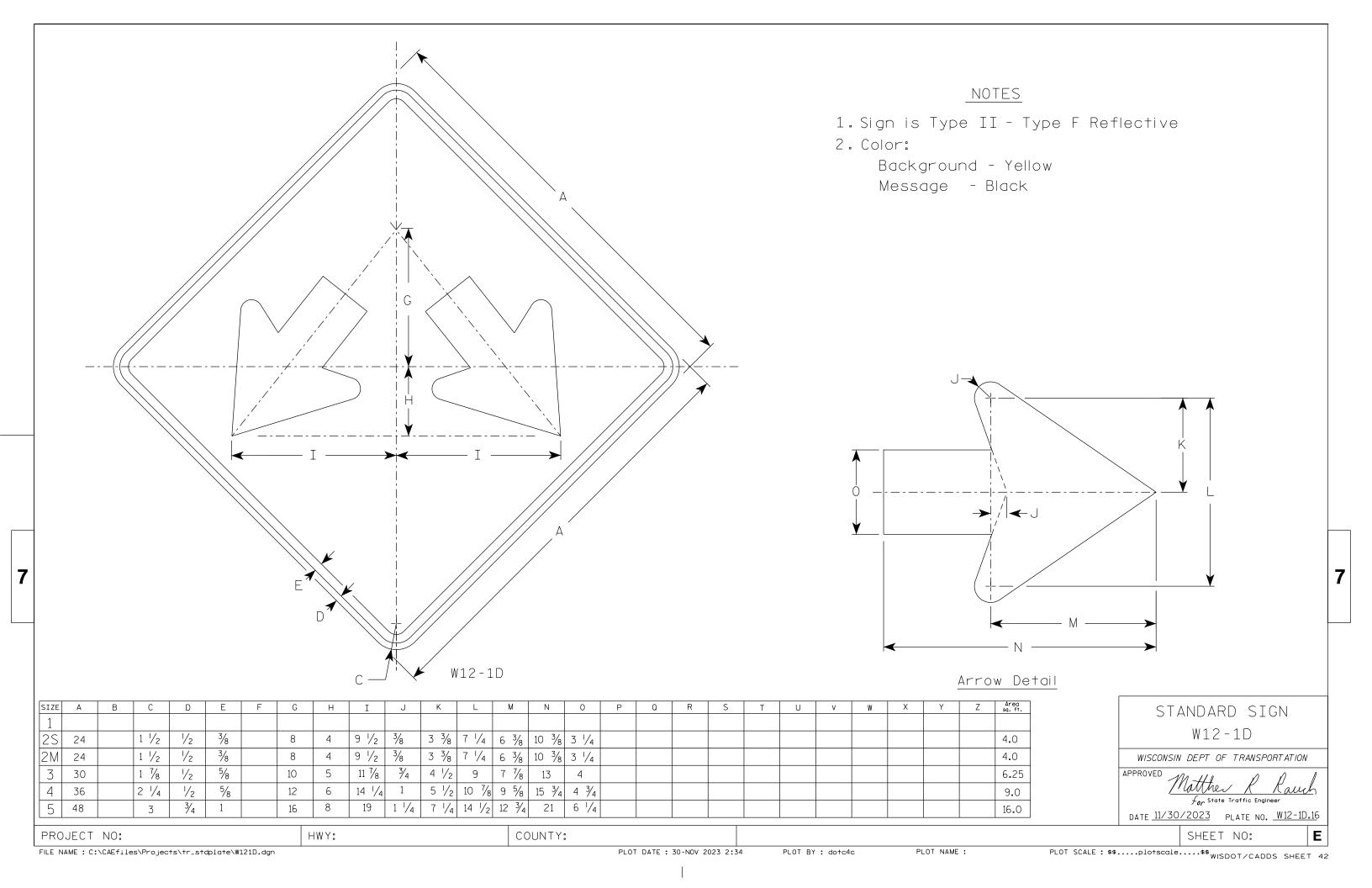
SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn

PLOT DATE : 5-MARCH 2024 11:55

PLOT BY : dotc4c

PLOT NAME :

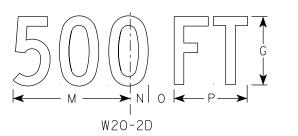


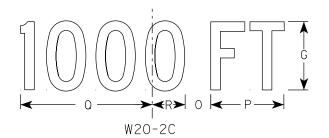


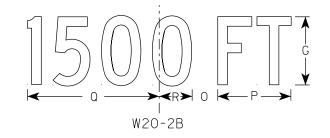
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message – Black

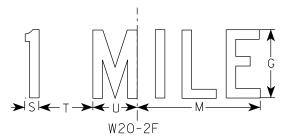
- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series D. Line 2 is Series D for AHEAD and Series C for all other distances.











SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z	Area sq. ft.
	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
25	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0

COUNTY:

W20-2A

HWY:

STANDARD SIGN W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

DATE 1/10/2024 PLATE NO. W20-2.7

SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\W202.DGN

PROJECT NO:

PLOT DATE: 10-JAN 2024 11:36

PLOT BY : dotc4c

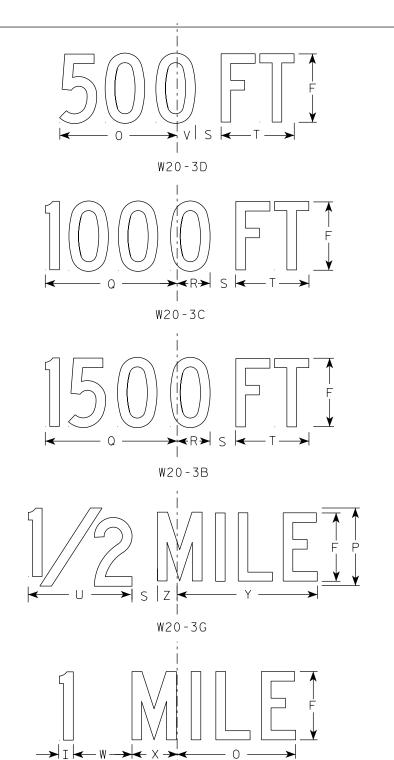
PLOT NAME :



- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D.
 Line 3 is Series D for AHEAD and
 Series C for all other distances.



W20-3F

A N	
C	

HWY:

W20-3A

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	Z	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 1/8	12 1/2	11	9	6	10 1/8	2 1/2	1 1/8	5 %	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
25	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0

COUNTY:

STANDARD SIGN W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

 $\frac{MMMeV}{For}$ State Traffic Engineer

SHEET NO:

DATE 1/10/2024 PLATE NO. W20-3.8

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN

PROJECT NO:

PLOT DATE: 10-JAN 2024 12:02 PLOT BY: dotc4c

PLOT NAME :

- 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.

A F
A E
WO11-2

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14 1/2		11 1/8	4 1/4	7 %																	9.0
25	48		3	3/4	1	19 3/8		15 3/4	5 %	10 1/4																	16.0
2M	48		3	3/4	1	19 3/8		15 3/4	5 %	10 1/4																	16.0
3	48		3	3/4	1	19 3/8		15 3/4	5 %	10 1/4																	16.0
4	48		3	3/4	1	19 3/8		15 ¾	5 %	10 1/4																	16.0
5																											

COUNTY:

STANDARD SIGN WO11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer

SHEET NO:

DATE 2/1/2024 PLATE NO. WO11-2.2

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0112.DGN

HWY:

PROJECT NO:

PLOT DATE: 1-FEB 2024 7:02

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE:

WISDOT/CADDS SHEET 42

Ε

2. Color:

Background - Orange Message - Black

- 3. Corners may be square or rounded but corners shall be rounded when base material is metal.
- 4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

C —		
		B
	W016-7L	>

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
25	48	24	1 1/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 1/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 1/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 1/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 1/8	1/2	5/8	6	30°	11 1/2	8	1	14			·													8.0

STANDARD SIGN W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R

For State Traffic Engineer

DATE 2/1/2024 PLATE NO. W016-7.3

PROJECT NO: HWY: COUNTY: SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0167.dgn

PLOT DATE: 1-FEB 2024 10:14 PLOT BY: dotc4c

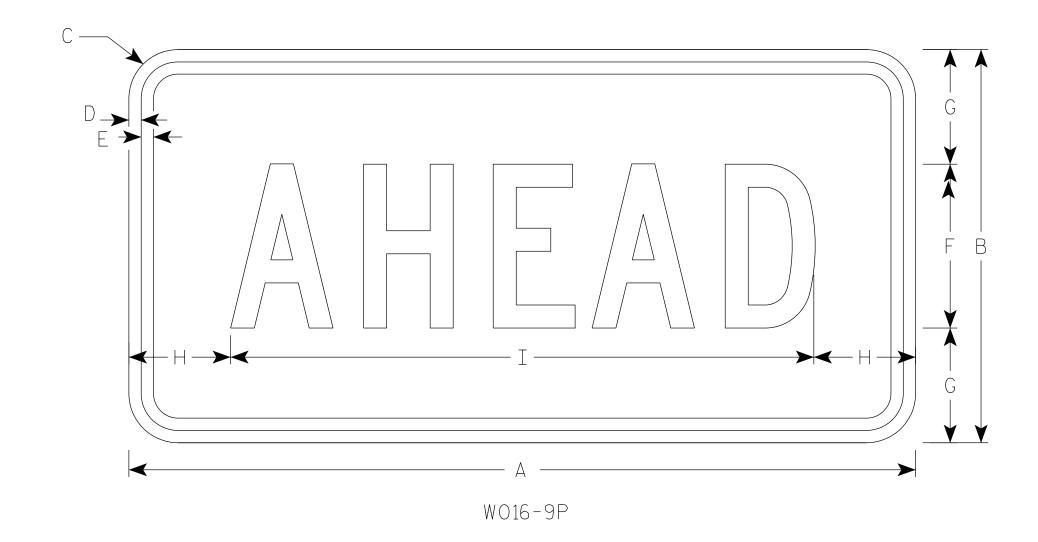
c4c PLOT NAME :

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	А	В	С	D	E	F	G	Н	I	К	L	М	N	0	Р	Q	R	S	Т	U	V	w	X	Y	Z	Area sq. ft.
1	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																	3.75
25	48	24	1 1/8	1/2	5/8	10	7	6 1/8	35 ¾																	8.0
2M	48	24	1 1/8	1/2	5/8	10	7	6 1/8	35 ¾																	8.0
3	48	24	1 1/8	1/2	5/8	10	7	6 1/8	35 ¾																	8.0
4	48	24	1 1/8	1/2	5/8	10	7	6 1/8	35 3/4																	8.0
5	48	24	1 1/8	1/2	5/8	10	7	6 1/8	35 3/4																	8.0

COUNTY:

STANDARD SIGN W016-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rawh

Forstate Traffic Engineer

SHEET NO:

DATE 2/1/2024

PLATE NO. <u>WO16-9P.</u>8

Ε

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0169P.dgn

HWY:

PROJECT NO:

PLOT DATE : 1-FEB 2024 10:20

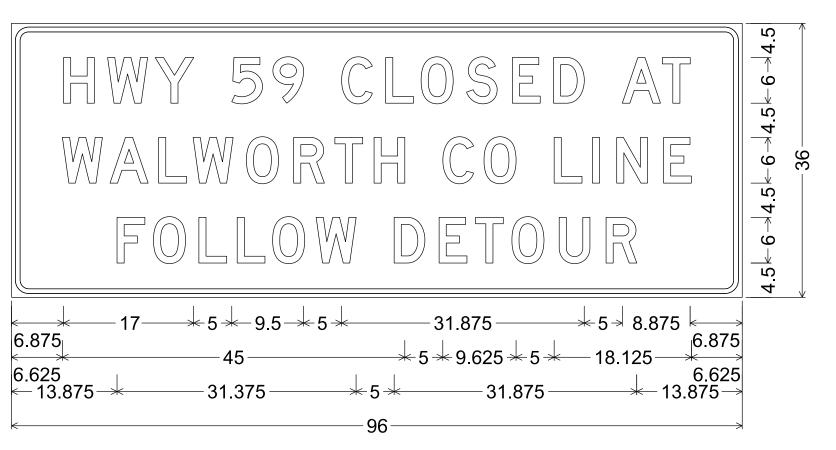
PLOT BY : dotc4c

PLOT NAME :

- 1. Fixed Message Sign Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

3. Message Series - D



2.250" Radius, 0.625" Border, 0.500" Indent

PROJECT NO: 3110-03-73

HWY: STH 59

COUNTY: WALWORTH

TEMPORARY SIGNING

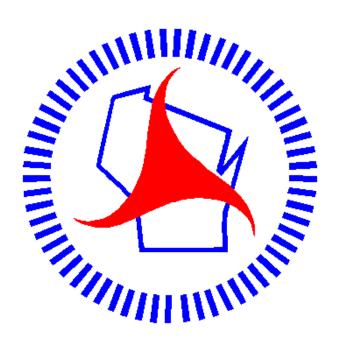
SHEET NO:

PLOT DATE: 1-APR 2025 10:06

PLOT BY : dotc4c

PLOT NAME :

Ε



Wisconsin Department of Transportation

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http://www.dot.wisconsin.gov