FEDERAL PROJECT MAD SEPTEMBER 2024 STATE PROJECT CONTRACT STATE OF WISCONSIN ORDER OF SHEETS **DEPARTMENT OF TRANSPORTATION** Typical Sections and Details PLAN OF PROPOSED IMPROVEMENT Right of Way Plat Section No. Standard Detail Drawings **JEFFERSON - WALES** Sign Plates 080-09-84 Structure Plans **RETAINING WALL R-28-006 USH 18** TOTAL SHEETS = 48 **JEFFERSON COUNTY** STATE PROJECT NUMBER 3080-09-84 R-14-E R-15-E DESIGN DESIGNATION A.A.D.T. 2022 = N/A A.A.D.T. 2042 = N/AD.H.V. = N/A **BEGIN CONSTRUCTION** D.D. STA 100+66.65 = N/A X = 884412.77 DESIGN SPEED = N/A Y = 561159.16 **END CONSTRUCTION** STA 103+27.07 Helenville X = 884672.52 Y = 561140.40 CONVENTIONAL SYMBOLS Ш PLAN **PROFILE** П GRADE LINE CORPORATE LIMITS 11111111 П ORIGINAL GROUND PROPERTY LINE N П MARSH OR ROCK PROFILE LOT LINE (To be noted as such) RS L LIMITED HIGHWAY EASEMENT SPECIAL DITCH \mathcal{O} STATE OF WISCONSIN EXISTING RIGHT OF WAY GRADE ELEVATION X DEPARTMENT OF TRANSPORTATION PROPOSED OR NEW R/W LINE CULVERT (Profile View) SLOPE INTERCEPT \triangleleft PREPARED BY UTILITIES Surveyor α REFERENCE LINE ETHAN WRIGHT ELECTRIC T-06-N Designer — _{T-06-N} \triangleleft EXISTING CULVERT CRAIG HARDY FIBER OPTIC Project Manager PROPOSED CULVERT SW REGION Regional Examine JUSTIN KUTSCHENREUTER SANITARY SEWER Regional Supervi COMBUSTIBLE FLUIDS LAYOUT STORM SEWER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN TELEPHONE SCALE COORDINATE REFERENCE SYSTEM (WISCRS), JEFFERSON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID WATER MARSH AREA COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 0.000 MI ARE THE SAME AS GROUND DISTANCES. POWER POLE Ġ E ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED WOODED OR SHRUB AREA TELEPHONE POLE ELEVATIONS ARE BASED ON GEOID 18. FILE NAME: N:\PDS\C3D\30800904\SHEETS\010101-TI.DWG PLOT DATE: 4/2/2024 2:29 PM

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.

THE CONTRACTOR SHALL COORDINATE THEIR 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.

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

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

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

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

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

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

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

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

Dial [800)242-8511 www.DiggersHotline.com

FILE NAME :

STANDARD ABBREVIATIONS

ACRE RIGHT AGGREGATE R/W RIGHT OF WAY AGG AHFAD RD ROAD AADT ANNUAL AVERAGE DAILY TRAFFIC ROADWAY RDWY ASPH SHOULDER ASPHALTIC SHLDR BACK SW SIDEWALK BACK OF CURB SB SOUTHBOUND BASE AGGREGATE DENSE SPECIFICATIONS BAD SPECS BL OR B/L SQUARE FEET BASE LINE SF SQUARE YARD BENCH MARK SY CL OR C/L CENTER LINE SDD STANDARD DETAIL DRAWINGS CONC CONCRETE STH STATE TRUNK HIGHWAY CONCRETE SIDEWALK STA STATION CSW CONST CONSTRUCTION SF SUPERELEVATION CONTROL POINT SL OR S/ SURVEY LINE CO COUNTY TEMP TEMPORARY COUNTY TRUCK HIGHWAY TEMPORARY INTEREST CTH ΤI TEMPORARY LIMITED EASEMENT CY CUBIC YARD TLE DESIGN HOUR VOLUME TC TOP OF CURB DIA DIAMETER TRUCKS (PERCENT OF) DIRECTIONAL DISTRIBUTION ΤΥΡΙCΔΙ TYP UNITED STATES HIGHWAY DRAINAGE EASEMENT USH DWY DRIVEWAY VAR VARIABLE VERTICAL CURVE EACH VC VERTICAL POINT OF CURVATURE EASTBOUND VPC EL OR ELEV ELEVATION VPI VERTICAL POINT OF INTERSECTION EMBANKMENT VERTICAL POINT OF TANGENCY EMB VPT EW FNDWALL \٨/ W/FST EXC FXCAVATION WB WESTBOUND

EBS EXCAVATION BELOW SUBGRADE EXIST EXISTING FERT FFRTII IZFR FIELD ENTRANCE

BK

BC

DD

DE

EΑ

FL OR F/L FLOW LINE FT FOOT HIGHWAY EASEMENT IN DIA INCH DIAMETER INI INLET

INSIDE DIAMETER INTERS INTERSECTION INTERSTATE HIGHWAY INV INVFRT

IOINT LEFT LENGTH OF CURVE LINEAR FOOT LE LS LUMP SUM MGAL ONE THOUSAND GALLONS

MANHOLE ML OR M/L MATCH LINE NOM NOMINAL NORMAL CROWN NORTHBOUND NB NUMBER NO OD OUTSIDE DIAMETER PAVT PAVEMENT

PERMANENT LIMITED EASEMENT PLE POINT OF CURVATURE PC POINT OF INTERSECTION

LB POUND POUNDS PER SQUARE INCH PSI

PROJ PROJECT PROPERTY LINE PRW PROPOSED RIGHT OF WAY

RADILIS RL OR R/L REFERENCE LINE REQUIRED

UTILITY CONTACTS

MATTHEW VACHALIK DAVE HUWE

AT&T WISCONSIN - COMMUNICATION LINE TDS TELECOM - COMMUNICATION LINE 411 7TH STREET SUITE 6000 525 JUNCTION ROAD RACINE, WI 53403 MADISON, WI 53717

PHONE: (262) 707-6216 PHONE: (608) 664-4312 EMAIL: mv5616@att.com EMAIL: dave.huwe@tdstelecom.com

BRAD PATRICK ERIC KICKHAVER

BRIGHTSPEED OF WESTERN WISCONSIN, LLC - COMMUNICATION LINE WE ENERGIES - ELECTRIC 500 S 116TH STREET 224 INDUSTRIAL DRIVE NORTH PRAIRIE, WI 53153 WEST ALLIS, WI 53214 PHONE: (414) 573-7733 PHONE: (414) 944-5917

EMAIL: eric.kickhaver@we-energies.com EMAIL: bradley.patrick@brightspeed.com

SCOTT HOLSTEIN PAETEC COMMUNICATIONS, LLC - COMMUNICATION LINE WE ENERGIES - GAS 969 WAUBE LANE 700 S KANE STREET

GREEN BAY, WI 54304 BURLINGTON, WI 53105 PHONE: (920) 410-6902 PHONE: (262) 763-1084

EMAIL: lori.ketter@windstream.com EMAIL: scott.holstein@we-energies.com

WISCONSIN DNR LIAISON

CRAIG HARDY SHELLEY NELSON SW REGION SW REGION 3911 FISH HATCHERY RD 2101 WRIGHT ST FITCHBURG, WI 53711 MADISON, WI 53704 PHONE: (608) 444-2835 PHONE: (608) 246-5406 EMAIL: shelley.nelson@wisconsin.gov EMAIL: craig.hardy@dot.wi.gov

DESIGN PROJECT MANAGER DESIGN PROJECT LEADER

ETHAN WRIGHT SW REGION 2101 WRIGHT ST MADISON, WI 53704 PHONE: (608) 246-5390

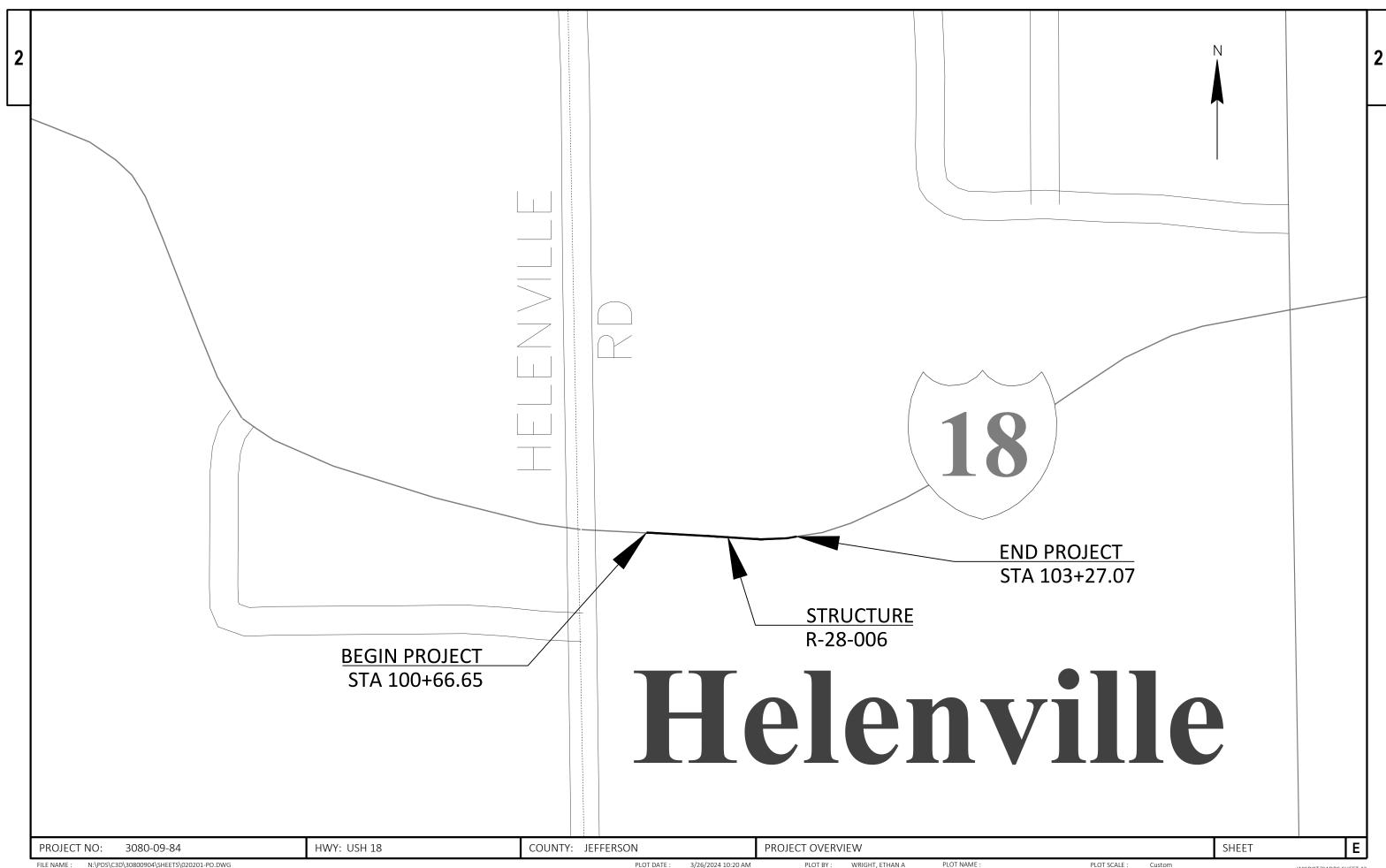
EMAIL: ethan.wright@dot.wi.gov

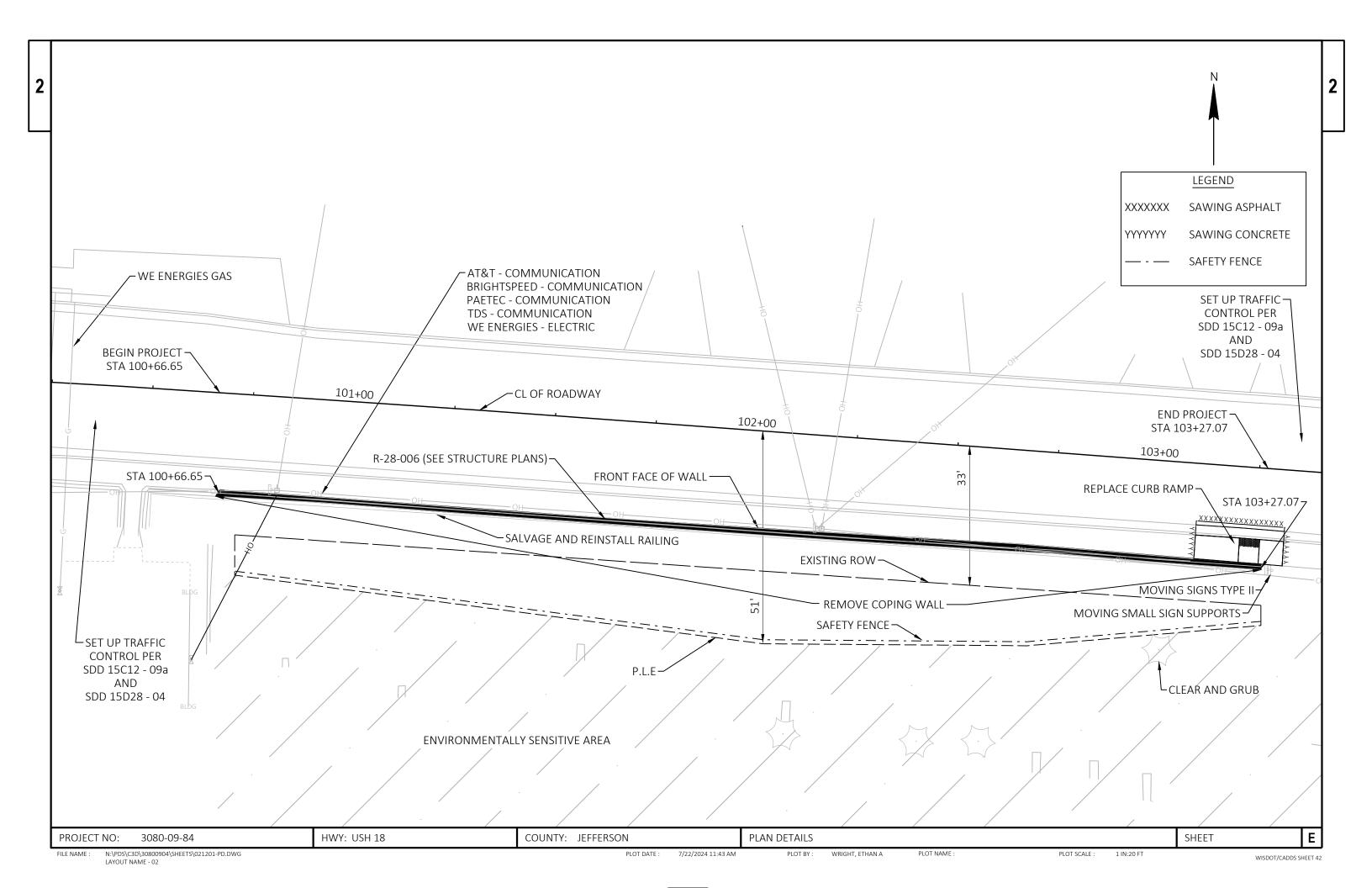
ORDER OF SECTION 2 DETAIL SHEETS

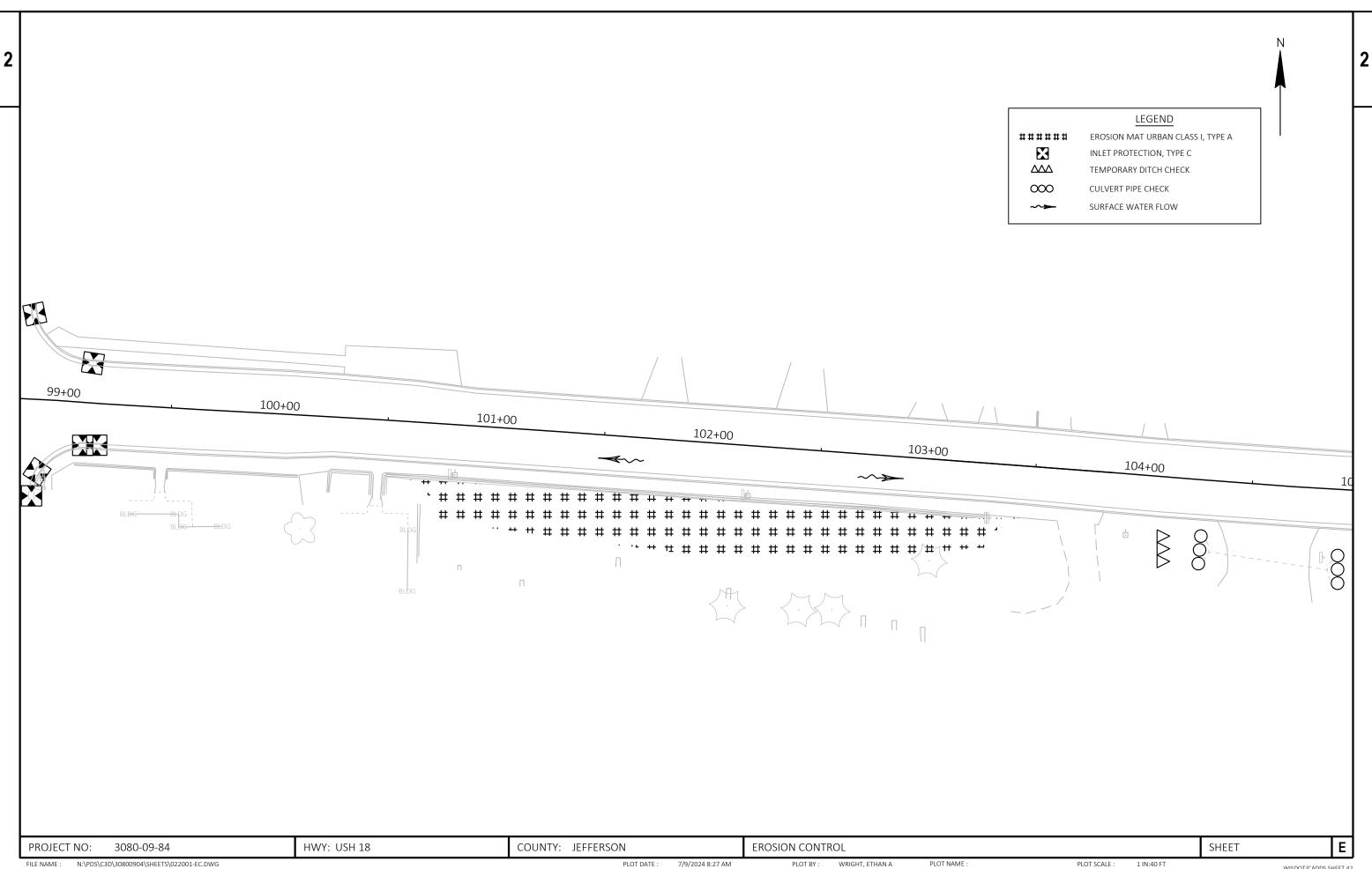
GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS **EROSION CONTROL** ALIGNMENT LAYOUT

PROJECT NO: 3080-09-84 HWY: USH 18 COUNTY: JEFFERSON **GENERAL NOTES SHEET** Ε

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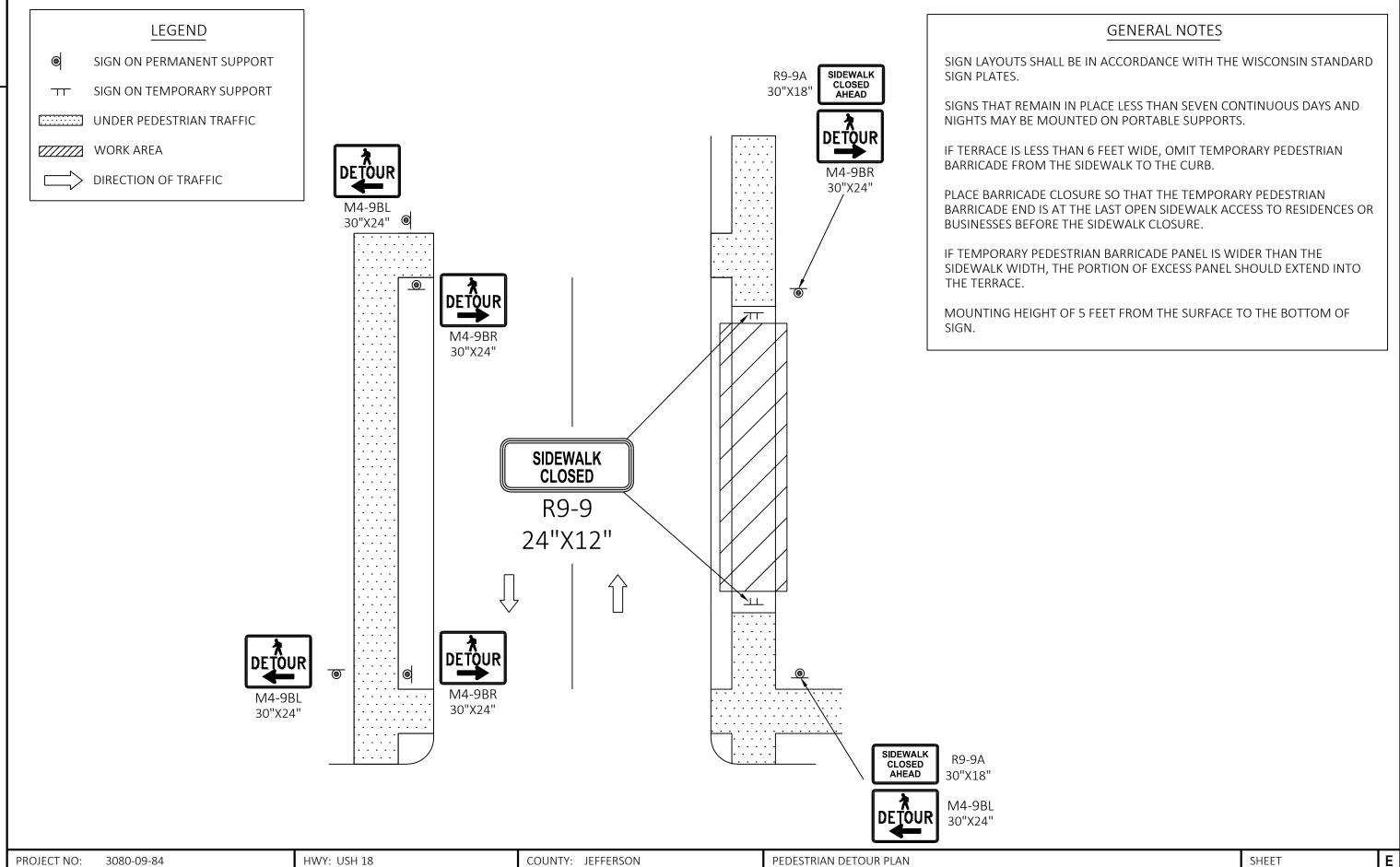


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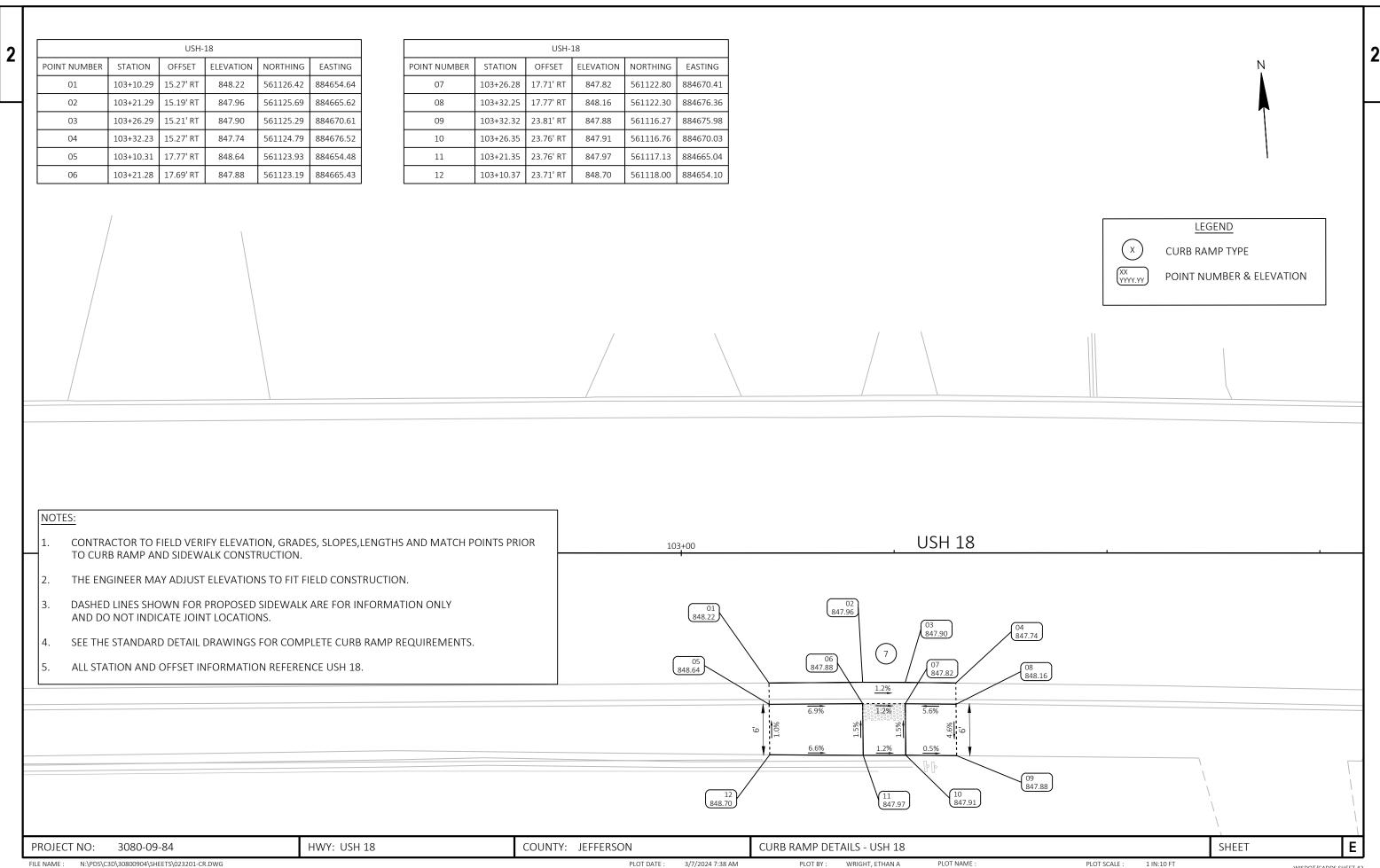
WISDOT/CADDS SHEET 42



WISDOT/CADDS SHEET 42



7/9/2024 8:34 AM WRIGHT, ETHAN A PLOT DATE : PLOT BY: PLOT NAME PLOT SCALE : 1 IN:20 FT FILE NAME : N:\PDS\C3D\30800904\SHEETS\022201-PED.DWG



LAYOUT NAME - 01-USH18

PLOT DATE: 3/7/2024 7:38 AM

PLOT BY: WRIGHT, ETHAN A

PLOT SCALE :

WISDOT/CADDS SHEET 42

3080-09-84	

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	28.000	28.000
0004	201.0220	Grubbing	ID	28.000	28.000
0006	213.0100	Finishing Roadway (project) 01. 3080-09-84	EACH	1.000	1.000
8000	450.4000	HMA Cold Weather Paving	TON	1.000	1.000
0010	465.0110	Asphaltic Surface Patching	TON	1.000	1.000
0012	502.4105	Adhesive Anchors 5/8-inch	EACH	44.000	44.000
0014	502.4204	Adhesive Anchors No. 4 Bar	EACH	126.000	126.000
0016	504.0500	Concrete Masonry Retaining Walls	CY	21.000	21.000
0018	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	1,750.000	1,750.000
0020	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	3.000	3.000
0022	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	22.000	22.000
0024	602.0405	Concrete Sidewalk 4-Inch	SF	132.000	132.000
0026	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	10.000	10.000
0028		•	LF	320.000	320.000
0030	619.1000	Mobilization	EACH	1.000	1.000
0032	625.0500	Salvaged Topsoil	SY	796.000	796.000
0032	627.0200	Mulching	SY	796.000	796.000
0036	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0038	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0040	628.2006	Erosion Mat Urban Class I Type A	SY	796.000	796.000
0040	628.7015	Inlet Protection Type C	EACH	6.000	6.000
0044	628.7504	Temporary Ditch Checks	LF	25.000	25.000
0044	628.7555	Culvert Pipe Checks	EACH	5.000	5.000
0048	629.0210	Fertilizer Type B	CWT	1.000	1.000
0050	630.0140	Seeding Mixture No. 40	LB	15.000	15.000
0052	630.0500	Seed Water	MGAL	6.000	6.000
0054	638.2102	Moving Signs Type II	EACH	1.000	1.000
0056	638.4000	Moving Small Sign Supports	EACH	1.000	1.000
0058	643.0300	Traffic Control Drums	DAY	1,500.000	1,500.000
0060	643.0900	Traffic Control Signs	DAY	570.000	570.000
0062	643.1050	Traffic Control Signs PCMS	DAY	60.000	60.000
0064	643.5000	Traffic Control	EACH	1.000	1.000
0066	650.9000	Construction Staking Curb Ramps	EACH	1.000	1.000
0068	650.9500	Construction Staking Sidewalk (project) 01. 3080-09-84	EACH	1.000	1.000
0070	650.9911	Construction Staking Supplemental Control (project) 01. 3080-09-84	EACH	1.000	1.000
0070	690.0150	Sawing Asphalt	LF	24.000	24.000
0072	690.0150	Sawing Concrete	LF	17.000	17.000
0074	715.0502	Incentive Strength Concrete Structures	DOL	500.000	500.000
0078	SPV.0090	Special 01. Salvage and Reinstall Railing	LF	252.000	252.000
0078	SPV.0090	Special 02. Removing Coping Wall	LF	252.000	252.000
0080	SPV.0090 SPV.0165	Special 01. Reset MSE Wall Panel and Geogrid	SF	600.000	600.000
0002	377.0105	Special VI. Neset MSE Wall Pariet and Geogrid	or .	000.000	000.000

CLEARING AND GRUBBING CATEGORY STATION 10 STATION 10 STATION 10 ID ID REMARKS 0010 102+93 - 103+13 USH 18 28 28 28 TOTAL 0010 28 28	CATEGORY STATION TO STATION LOCATION LF REMARKS
213.0100.01 FINISHING ROADWAY 213.0100.01 FINISHING ROADWAY (3080-09-84) (3	SIDEWALK AND WARNING FIELD G02.0405 G02.0505 CONCRETE SIDEWALK CURB RAMP DETECTABLE WARNING FIELD YELLOW GOVERNMENT G
COLD WEATHER PAVING 450.4000 HMA COLD WEATHER PAVING CATEGORY STATION TO STATION LOCATION TON REMARKS TOTAL 0010 1 TOTAL 0010 1	SAFETY FENCE 616.0700.S FENCE SAFETY
ASPHALTIC SURFACE PATCHING 465.0110 ASPHALTIC SURFACE PATCHING CATEGORY STATION TO STATION LOCATION TON REMARKS 0010 103+10 - 103+32 USH 18 1 TOTAL 0010 1	TOP SOIL AND SEEDING
PROJECT NO: 3080-09-84 HWY: USH 18 COUNTY: JEFFERSON FILE NAME: N:\PDS\C3D\30800904\SHEETS\030201-MQ.DWG PLOT	MISCELLANEOUS QUANTITIES SHEET DATE: 7/9/2024 11:07 AM PLOT BY: WRIGHT, ETHAN A PLOT NAME: PLOT SCALE: 1" = 1' MISCOT/CADDS SHE

		<u>EROSION</u>	<u>rrol</u>		
		CONTROL EROSION CO	GENCY EROSION MAT URBAN INLET PROTECTION TEMP	CHECKS CHECKS	
	CATEGORY STATION TO STATION L 0010 100+67 - 103+27	OCATION EACH EACH USH 18 1 1	SY EACH 796 6	LF EACH REMARKS 25 5	
	то	TAL 0010 1 1	796 6	25 5	
		REMOVING AND	ACING SIGN		
			638.2102 638.4000		
		CATEGORY STATION TO STATION LOCATIO	MOVING SIGNS MOVING SMALL TYPE II SIGN SUPPORTS EACH EACH REMARKS		
		0010 103+10 - 103+32 USH 18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		TOTAL OL	1 1		
		TRAFFIC	ROL		
		643.0300 APPROX. SERVICE TRAFFIC CONTROL TRAF		643.5000 TRAFFIC CONTROL	
	CATEGORY STATION TO STATION 0010 95+57 - 105+27		NS SIGNS SIGNS PCMS ERVICE NO. IN SERVICE DAY NO. IN SERVICE DAY 10 570 2 60		
		TOTAL 0010 1,500	570 60	1	
		CONSTRUCT	TAKING		
		650.9000	650.9500.01 650.9911.01		
	CATEGORY CTATION	CONSTRUCTION STAKING CURB RAMPS	ONSTRUCTION STAKING CONSTRUCTION STAKING SIDEWALK (3080-09-84) SUPPLEMENTAL CONTROL (3080-09-	-84) REMARKS	
	CATEGORY STATION 0010 100+67	- 103+27 USH 18 1	1 1	KEWIAKKS	
		TOTAL 0010 1	1 1		
	<u>SAWING</u>			INCENTIVE CONCRETE	
	690.0150 690.0250			715.0502 INCENTIVE STRENGTH	
CATEGORY STATION TO 0010 103+10		REMARKS_		CONCRETE STRUCTURES SORY STATION TO STATION LOCATION DOL REM	MARKS_
0010 100110 -	TOTAL 0010 24 17		002	20 100+67 - 103+27 USH 18 500 TOTAL 0020 500	
PROJECT NO: 3080-09-84	HWY: USH 18	COUNTY: JEFFERSON	MISCELLANEOUS QUANTITIES	<u> </u>	SHEET
	1 55.1.10	PLOT DATE: 7/9			

LAYOUT NAME - 02

R/W MONUMENT

STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION** TRANSPORTATION PROJECT PLAT TITLE SHEET 3080-09-24

JEFFERSON - WALES

RETAINING WALL R-28-006

USH 18 JEFFERSON COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE		SECTION CORNER	(23 24)	(TO BE SET)	TEINT	•
QUARTER LINE		SYMBOL	26 25	NON-MONUN	MENTED	0
SIXTEENTH LINE		SECTION	\sim	R/W POINT		
NEW REFERENCE LINE		CORNER	\oplus	FOUND IRON (3/4" UNLESS		IP •
NEW R/W LINE		MONUMEN	Т	(5) 4 5142255	,	
EXISTING R/W OR HE LINE		GEODETIC S	SURVEY MONUMEN	NT	ሾ	
PROPERTY LINE	P.L	SIXTEENTH	CORNER MONUME	ENT	(A)	
LOT, TIE & OTHER MINOR LINES		SIGN	þ SIGN	OFF-PREMISE SIGN	#1 25	₩ SIGN
SLOPE INTERCEPT				COMPENSABLE	NON-COMP	ENSABLE
CORPORATE LIMITS	////////	ELECTRIC PO		<u> </u>	Ь	
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	W (TYPE)	PEDESTAL (L. (TV, TEL, ELE	ABEL TYPE)	×	ø):i	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)			FRICTED BY ACQUIS	SITION		
TEMPORARY LIMITED EASEMENT AREA			BY STATUTORY AU		••••	•••••
(I ERIVIAIVEIVI EIVIITED OR			FRICTED (BY PREVIO OR CONTROL)	ous	••	***
RESTRICTED DEVELOPMENT)		NO ACCESS (NEW HIGHWAY)		***	****
TRANSMISSION STRUCTURES -		PARCEL N	NUMBER (25)	UTILITY NUN	1BER (40	
BUILDING TO BE REMO	VED		\circ		$\overline{}$	/
BRIDGE CULVERT		PARALLEI	L OFFSETS .	1		

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED	TLE
GRID NORTH	GN	EASEMENT	
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON	CURVE DATA ABBREVIA	ATIONS
NATIONAL GEODETIC SURVEY	NGS	LONG CHORD	LCH
NUMBER	NO	LONG CHORD BEARING	LCB

RADIUS DEGREE OF CURVE

TANGENT

POB

CENTRAL ANGLE

DIRECTION AHEAD

DIRECTION BACK

OUTLOT

POINT OF TANGENCY

PERMANENT LIMITED

POINT OF BEGINNING

POINT OF CURVATURE

EASEMENT

A /DELTA

CONVENTIONAL UTILITY SYMBOLS OVERHEAD TRANSMISSION LINES CABLE TELEVISION FIBER OPTIC SANITARY SEWER STORM SEWER ELECTRIC TOWER

LAYOUT

KRENZ R T-7-N PROJECT LOCATION T-6-N BJELDE HEBRON R-15-E R-14-E

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JEFFERSON COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{1}{2}$ " X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS

A PERMANENT LIMITED FASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES. AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT. THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE, SW REGION

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS

PROJECT NUMBER 3080-09-24 - 4. 01 SHEET 2 OF 2

C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\30800904\SURVEYPLATS\PLATS\PLATS\01 REVIEW TPP\2023 JOERG DWG\3080-09-04 TPP.DWG LAYOUT NAME: TPP Title

9/16/2015 3:04 PM

PLOT BY:

FELDBINDER, JOERG PLOT NAME :

RELOCATION ORDER USH 18

JEFFERSON - WALES RETAINING WALL R-28-006 JEFFERSON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION

HERBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JEFFERSON COUNTY, NABB3 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE, SW REGION

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 18 SHOWN HEREIN IS BASED ON THE FOLLOWING POINT OF REFERNCE: R/W PLAT, PROJECT NUMBER 3082-00-21 - 4.14

EXISTING HIGHWAY RIGHT-OF-WAY ON S. HELENVILLE RD. SHOWN HEREIN IS BASED ON THE FOLLOWING POINT OF REFERNCE: R/W PLAT, PROJECT NUMBER 3082-00-21 - 4.14

EXISTING HIGHWAY RIGHT-OF-WAY ON N. HELENVILLE RD. SHOWN HEREIN IS BASED ON THE FOLLOWING POINT OF REFERNCE: R/W PLAT, PROJECT NUMBER 3082-00-21 - 4.14 AND POS 014M071 AND POS S25-163

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

R/W COURSE TABLE

		<u>'</u>	
FROM PT#	TO PT#	BEARING	DISTANCE
100	101	N84° 51' 47"W	33.15'
101	102	N00° 17' 46"W	33.23'
102	103	N00° 17' 46"W	33.25'
103	104	S84° 36' 27"E	33.16'
104	105	S84° 36' 27"E	33.16'
105	106	S86° 04' 25"E	509.55'
106	107	S03° 55' 35"W	33.00'
107	108	S03° 55' 35"W	36.26'
108	109	N77° 14' 44"W	21.25'
109	110	N86° 04' 25"W	483.67'
110	100	N84° 51' 47"W	33.15'

PLE COURSE TABLE

FROM PT#	TO PT#	BEARING	DISTANCE
109	200	N86° 04' 25"W	55.33'
200	201	S00° 00' 00"W	5.00'
201	202	S84° 59' 53"W	58.14'
202	203	N89° 31' 48"W	65.46'
203	204	N82° 36' 28"W	132.06'
204	205	N00° 19' 20"E	9.99'
205	200	S86° 04' 25"E	254.88'
205	110	N86° 04' 25"W	173.46′

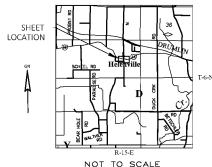
FND MON	UMENT POINT	TABLE
POINT NUMBER	Y COORDS	X COORDS
1107	561021.513	884417.145
1108	561139.977	884178.096
1110	561309.833	884242.527
1113	561315.513	884328.778
1114	561187.038	884519.508
1115	561183.603	884568.861

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL		INTERESTS	R/W A	CRES REC	QUIRED	TIF	PIF
NUMBER	OWNER (S)	REQUIRED	NEW	EXISTING	TOTAL	ACRES	ACRES
1	ST PETERS EVANGELICAL LUTHERAN	FEE, PLE		0.240	0.240		0.079

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.



RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 3080-09-24 - 4.01 1481656

Office of Register of Deeds Jefferson County, WI RECEIVED FOR RECORD 02/21/2024 08:09:03 AM Staci M. Hoffman

Total Pages: 2 REC FEE: 25.00 **The above recording information verifies that this document has been electronically recorded

and returned to the submitte

SCALE, FEET

FND ALUMINUM MONUMENT Y = 564236.066 X = 884194.364					
X - 004134.304	TO	WN OF			
NO 1110 PL 1113					

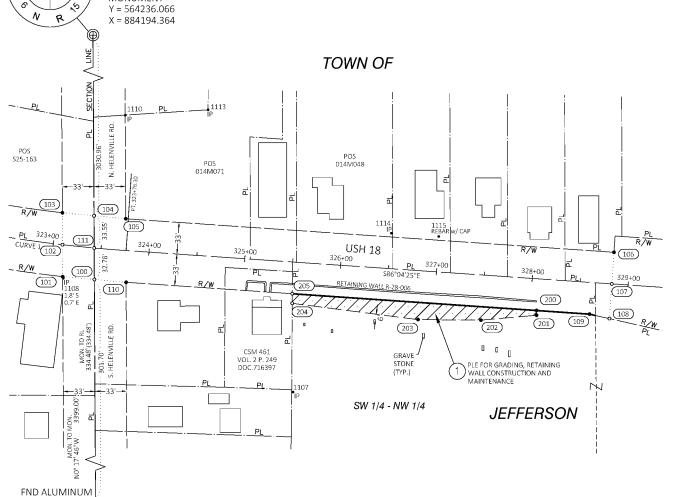
ALIGNMENT CURVE 1 PI STA = 322+19.45 Y = 561179.734X = 884085.873DELTA = 12°34'57" LT D = 4°00'00" T = 157.92L = 314.56' R = 1432.39'PC STA = 320+61.53 PT STA = 323+76.10 DB = S73°29'28"E

SUB-CURVE PC-102 L=248.04' R=1432 391 LCB=S78° 27' 07"E

SUB-CURVE 102-111 R=1432 391 LCH=33.20' LCB=S84° 04' 36"E

SUB-CURVE 111-PT 1=33.331 R=1432.391 LCH=33.331 LCB=S85° 24' 25"E

> MONUMENT Y = 560837.114 X = 884211.928



POINT STATION OFFSET 32.63' RT 100 323+45.87 101 323+13.47 33.00' RT 102 323+09.57 0.00' RT 103 323+05.50 33.00' LT 104 323+39.44 33.39' LT 105 323+73.39 33.00' LT 106 328+83.00 33.00' LT 107 328+83.00 0.00' RT 108 328+83.00 36.26' RT 328+62.00 33.00' RT 109 110 323+78.33 33.00' RT 111 323+42.77 0.00' RT 33.00' RT 200 328+06.67 201 328+07.01 37.99' RT 327+49.58 47.01' RT 202 326+84.23 50.96' RT 42.97' RT 204 325+52.42

325+51.79

STATION & OFFSET TABLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

33.00' RT

I, JOERG FELDBINDER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84 095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

205

SIGNATURE: PRINT NAME: JOERG FELDBINDER REGISTRATION NUMBER: S-2991

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR

THE DEPARTMENT OF TRANSPORTATION SW REGION SIGNATURE: Cory Schluge

PRINT NAME: CONY SCHLAGEL

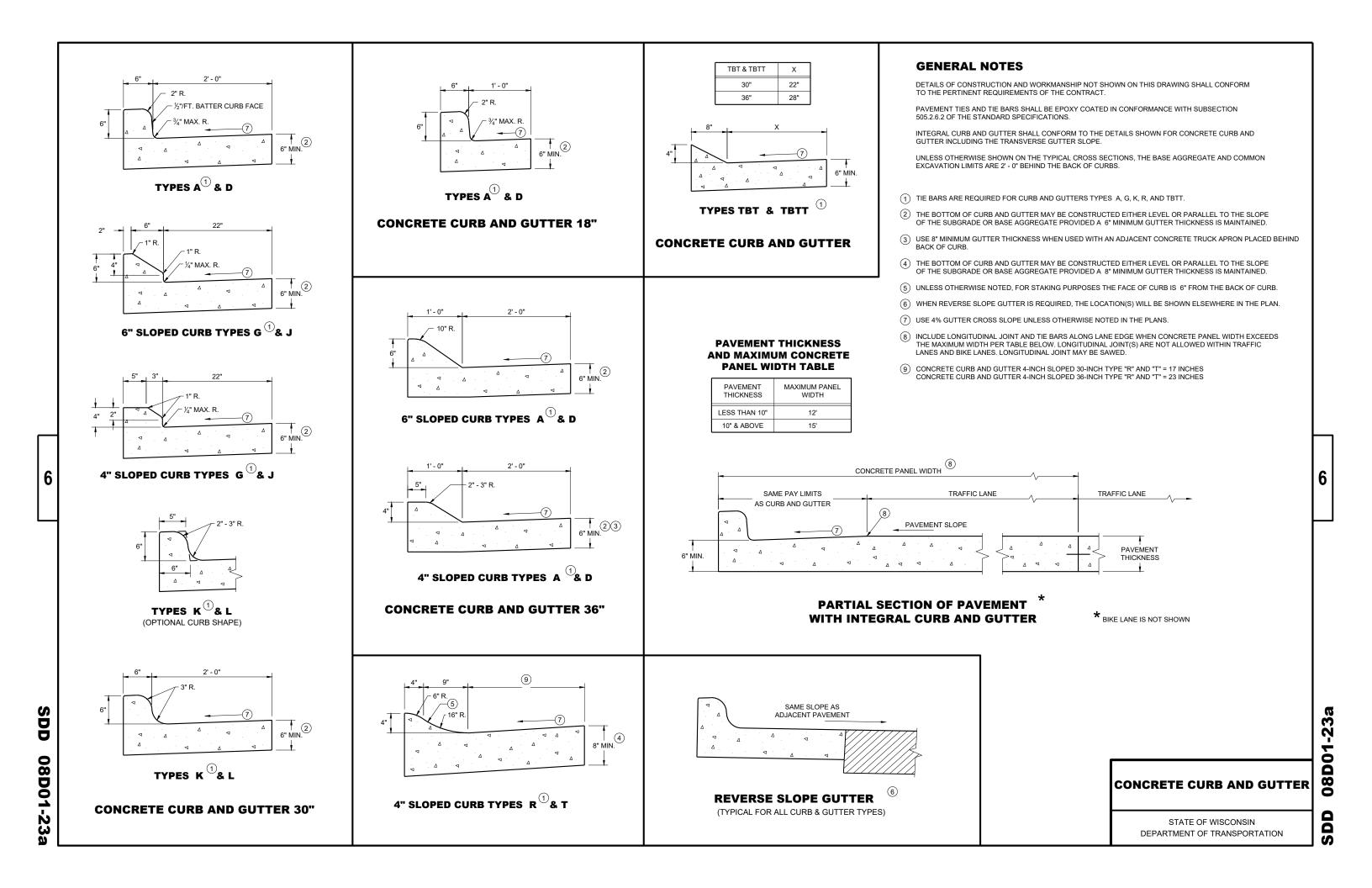
DATE: 2/20/24

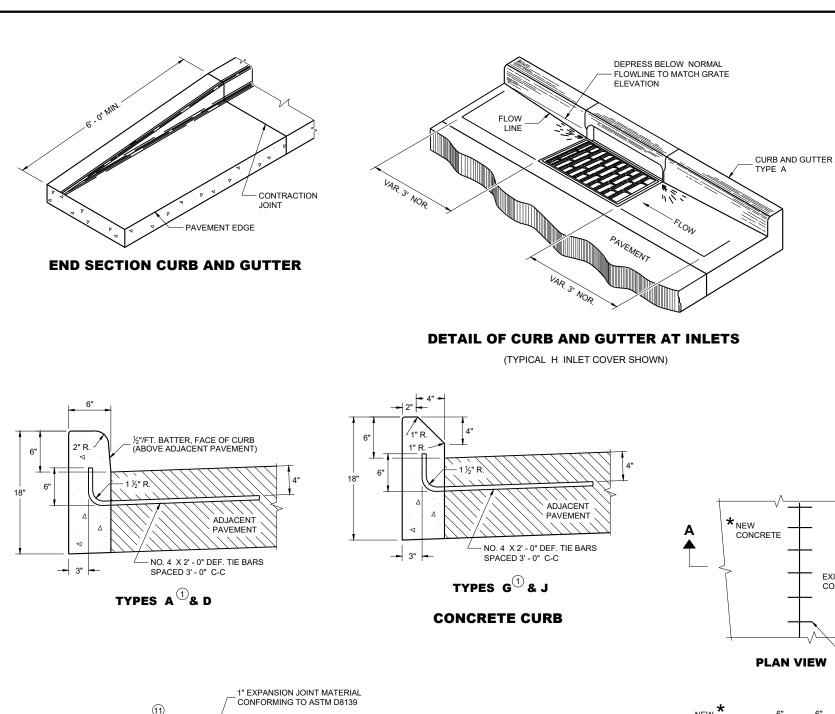
APPRAISAL PLAT DATE : 2/20/2024

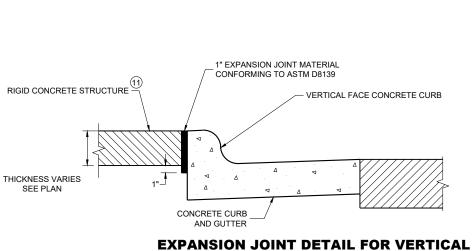
Standard Detail Drawing List

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
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
15С11-10В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

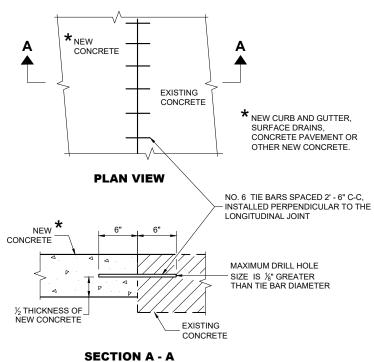
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CURB ABUTTING A RIGID STRUCTURE 11



TIE BARS DRILLED
INTO EXISTING PAVEMENT

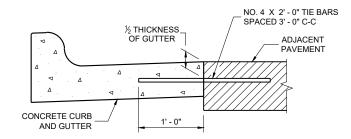
GENERAL NOTES

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

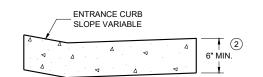
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

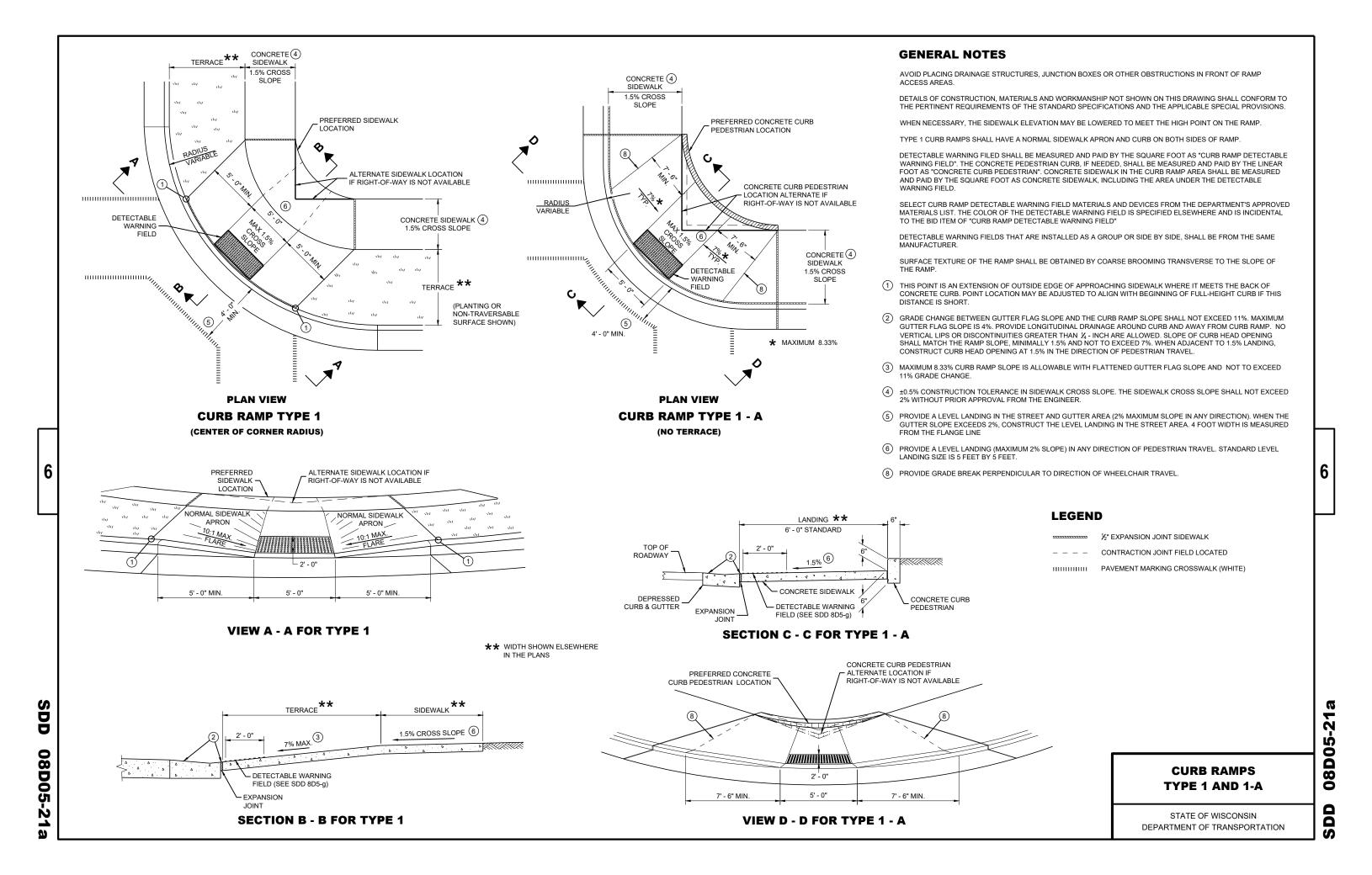
 May 2023
 /S/ Rodnery Taylor

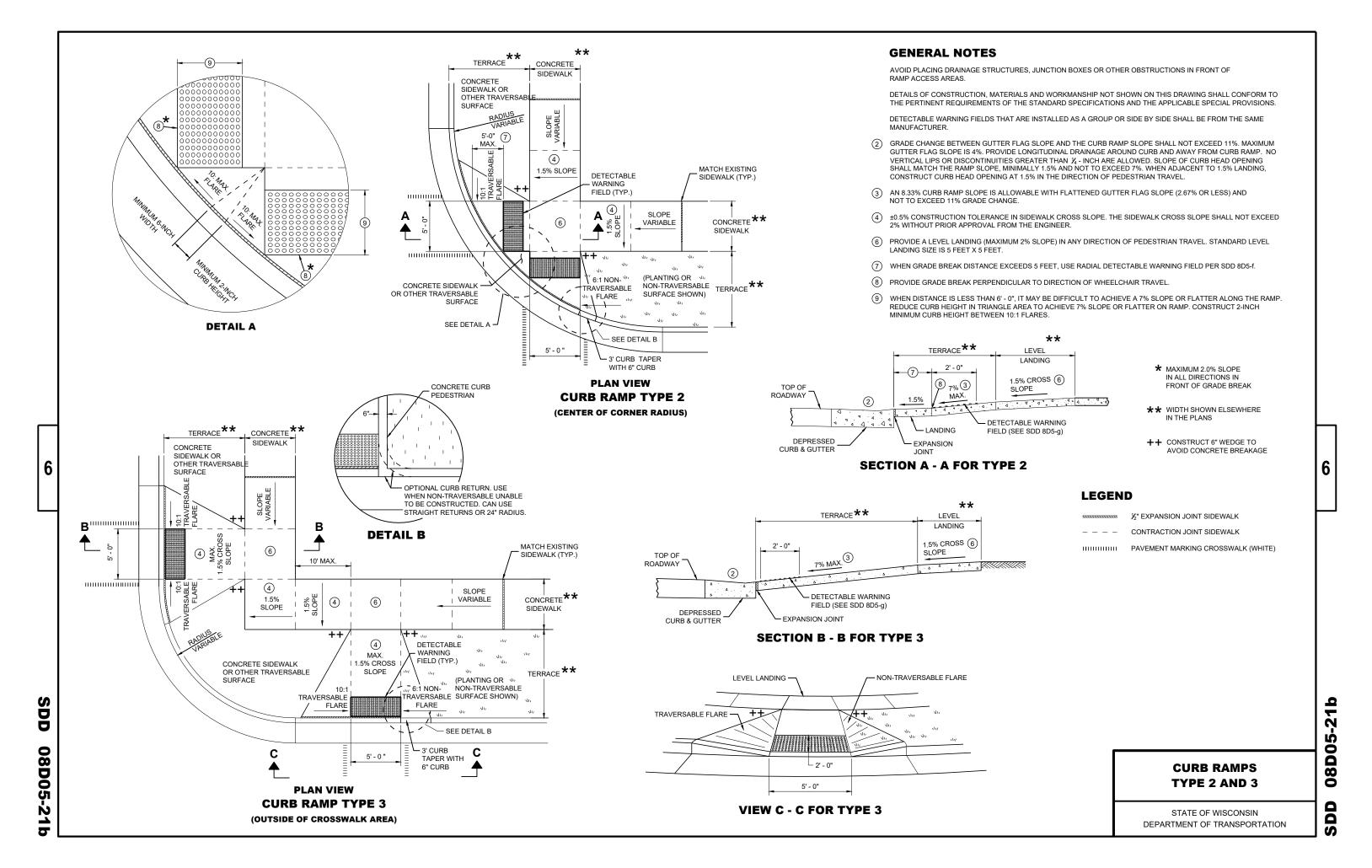
 DATE
 ROADWAY STANDARDS DEVELOPMENT

 UNIT SUPERVISOR

SDD 08D01-23b

O8D01-23

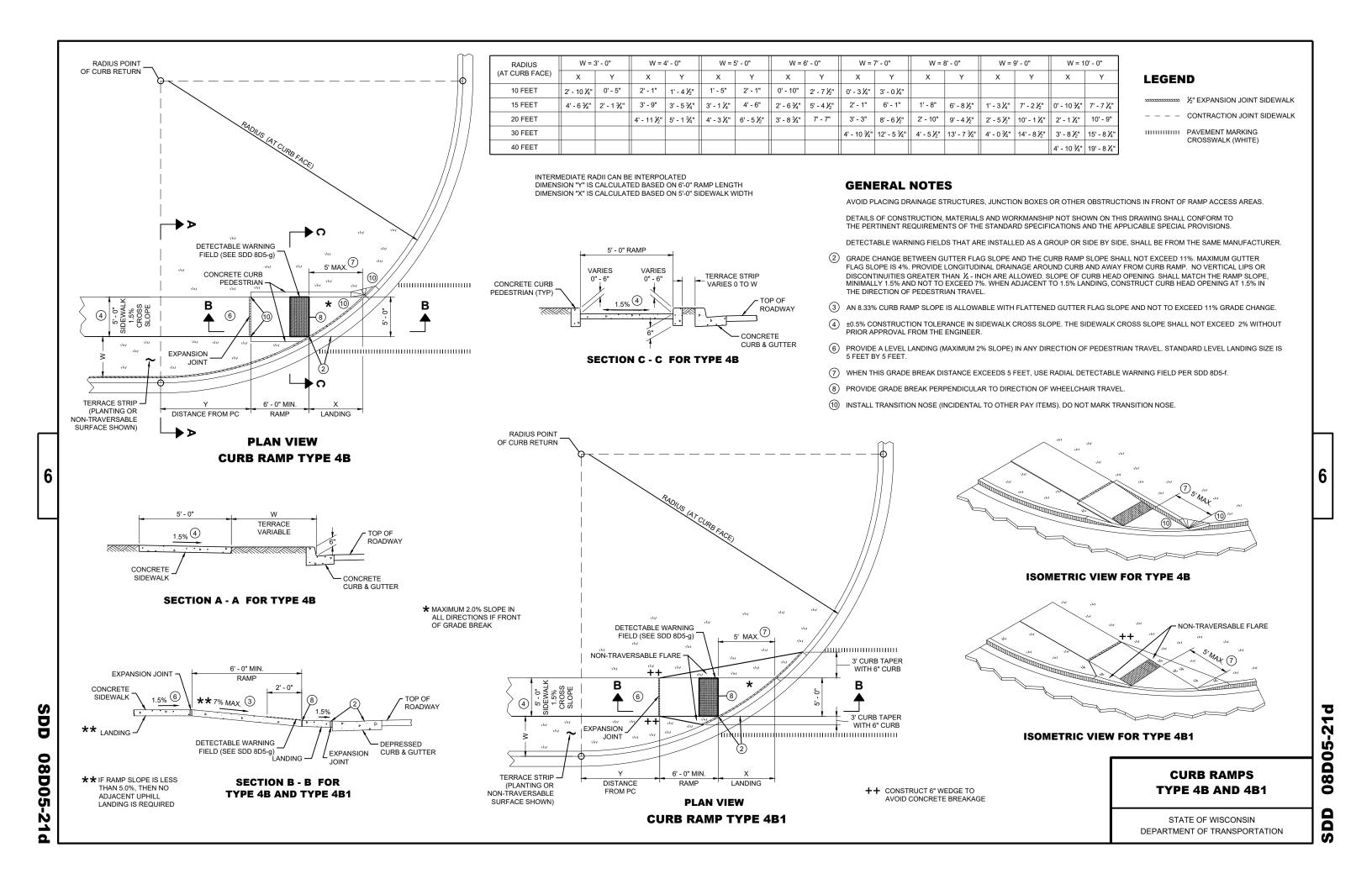


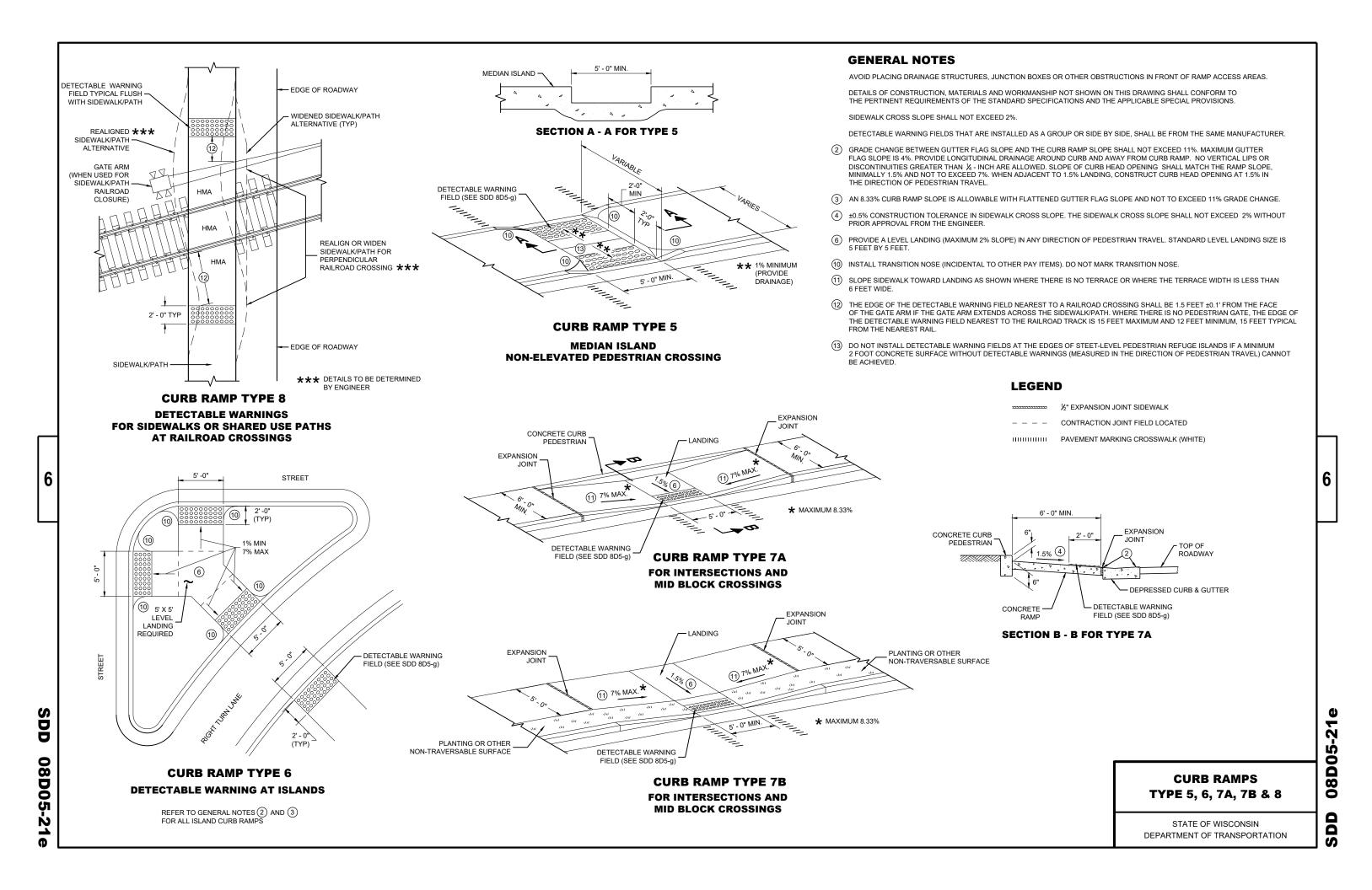


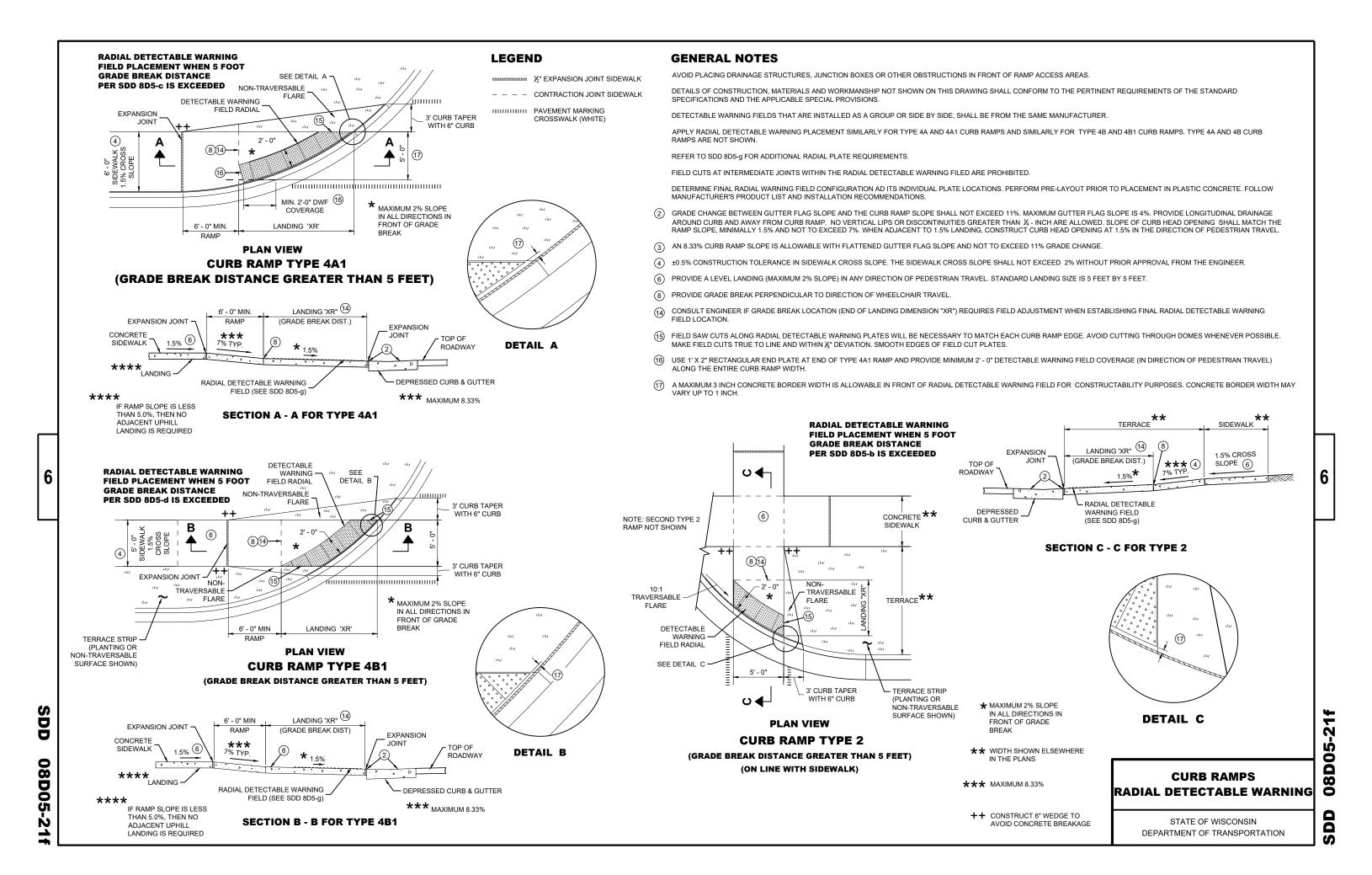
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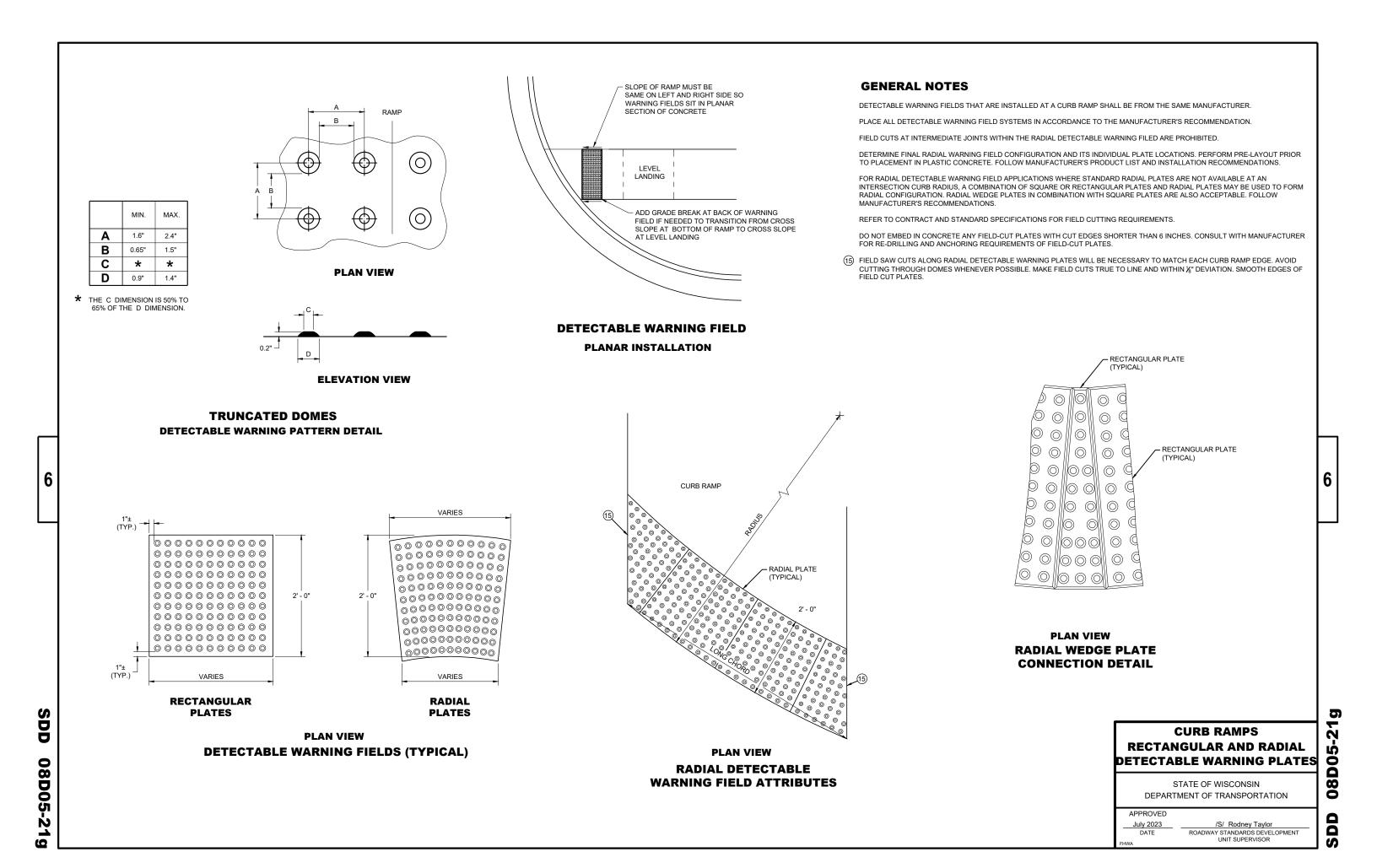
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





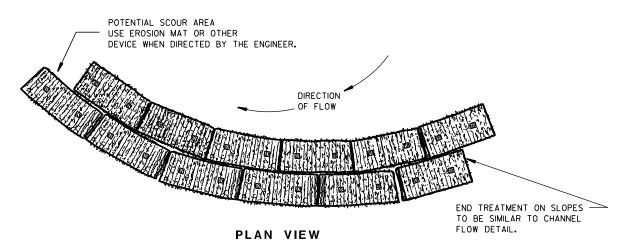




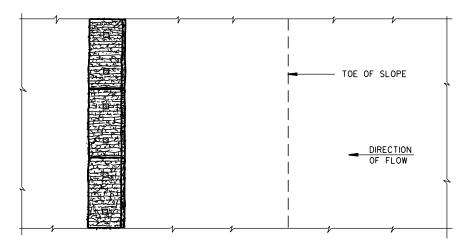
GENERAL NOTES

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.

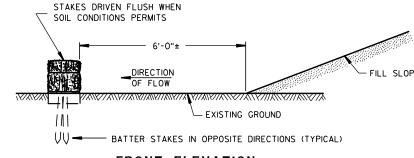
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



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

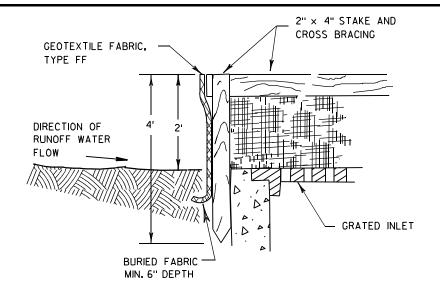
(WHEN REQUIRED BY THE ENGINEER)

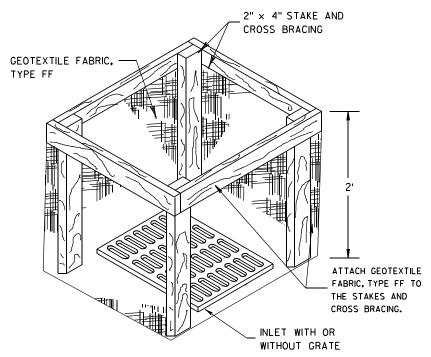


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INLET PROTECTION, TYPE A

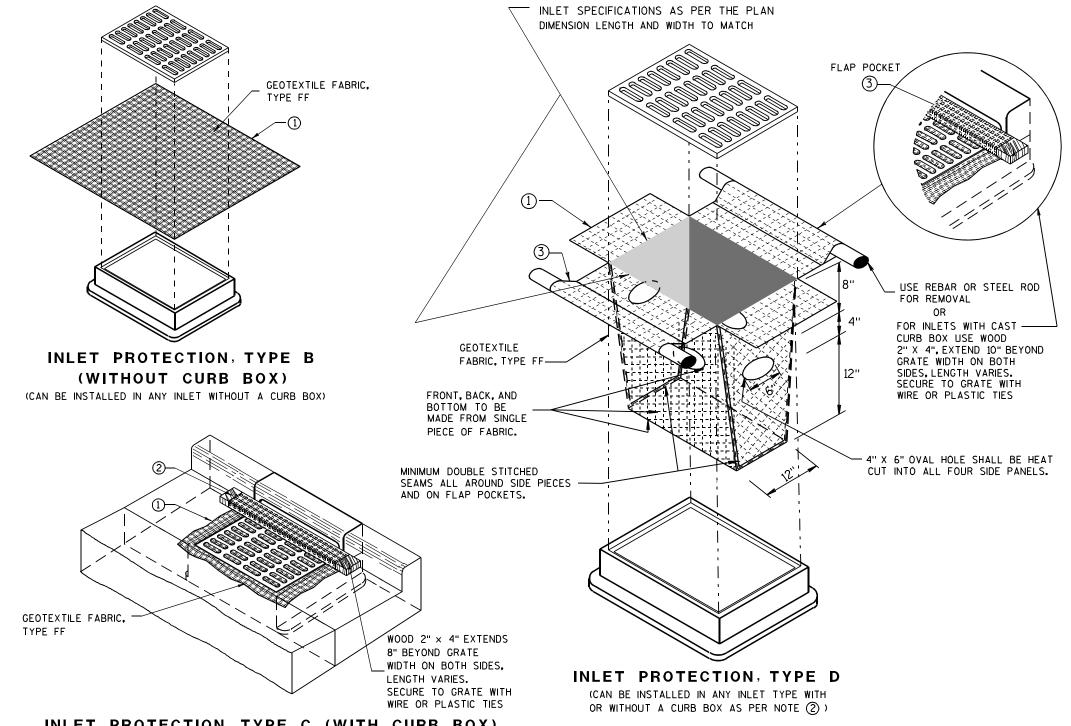
GENERAL NOTES

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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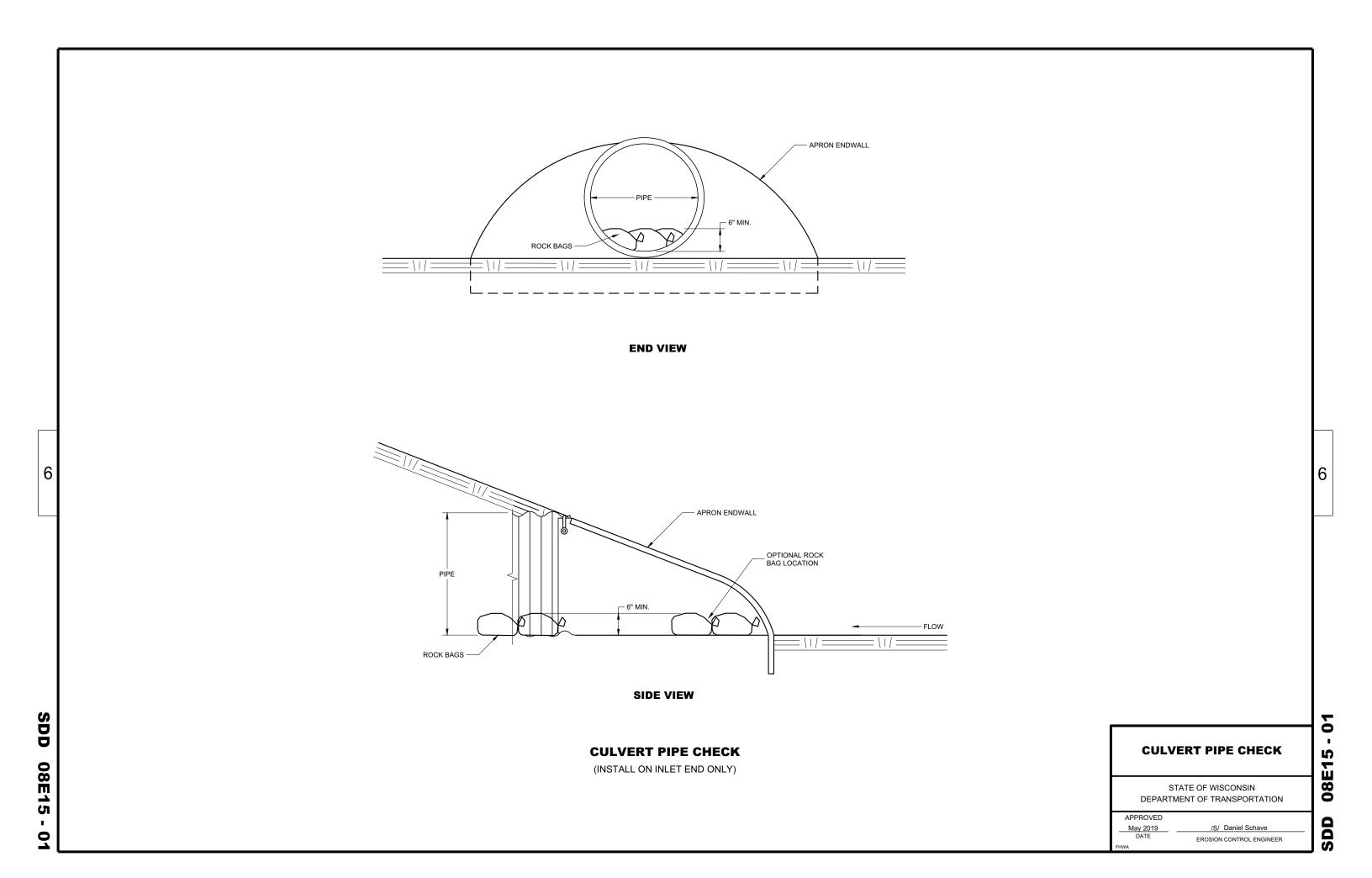
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

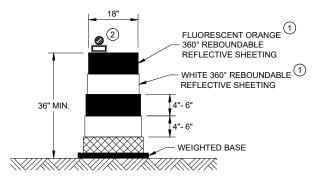
10/16/02



SDD 15C11

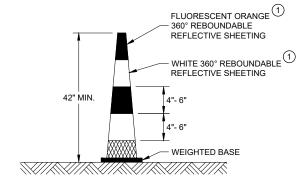
GENERAL NOTES

- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



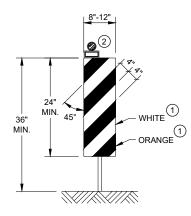
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



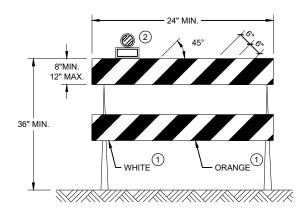
42" CONE

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



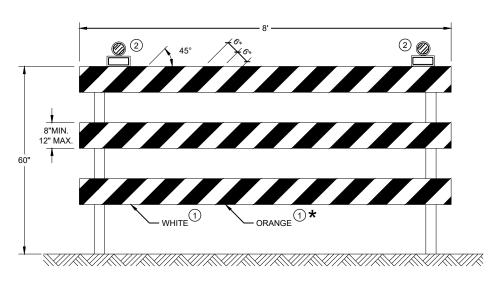
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 50

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

RUMBLE

STRIPS

ROAD

WORK

GENERAL NOTES FLAGGING LEGEND 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. STRIP ARRAY "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 WORK AREA **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 5' MIN BE SPEED LIMIT SPACING "A" 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.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

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

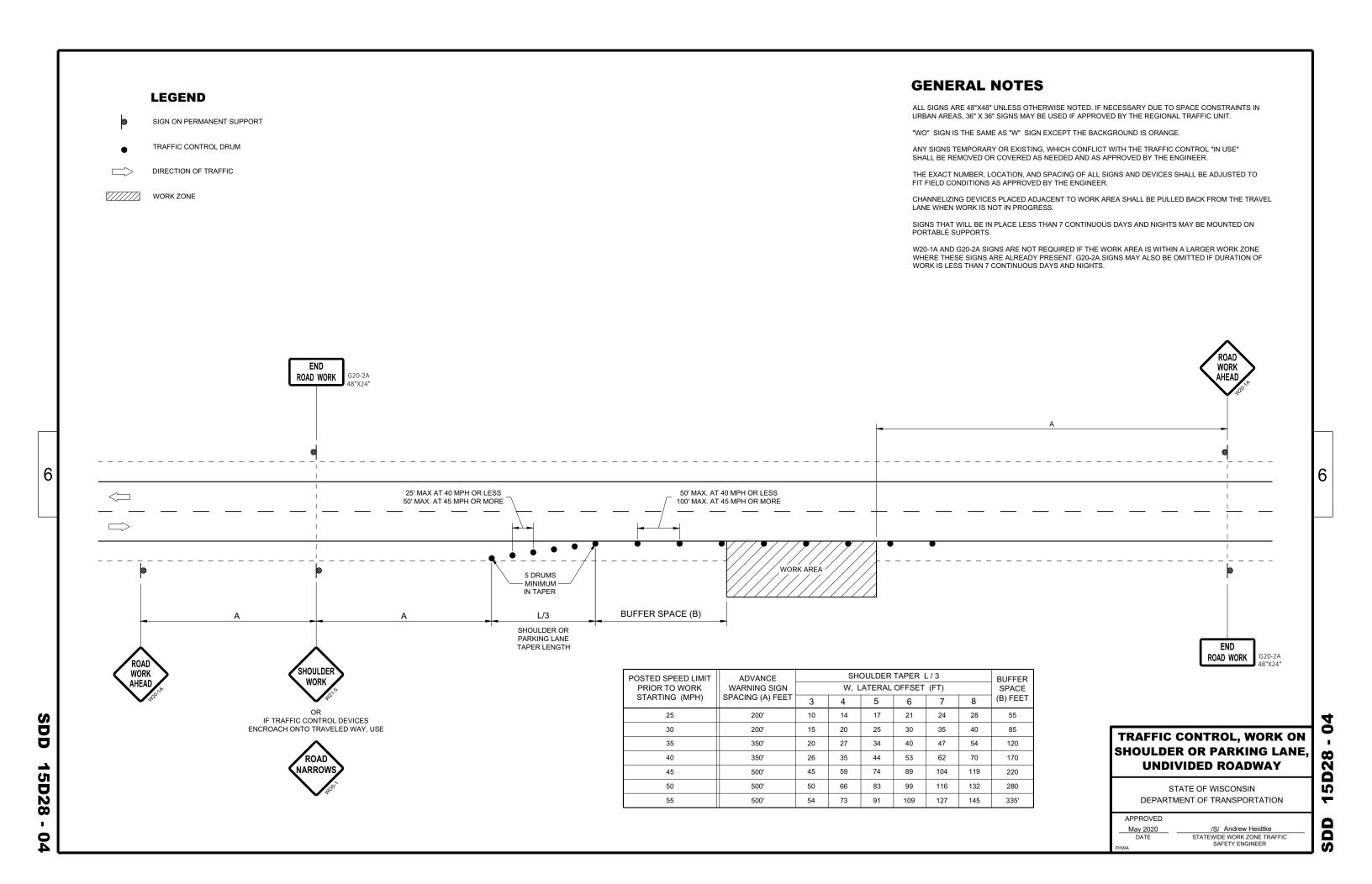
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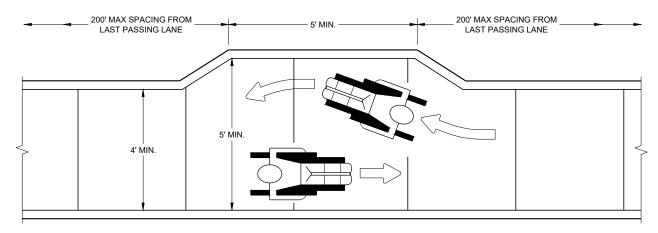
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

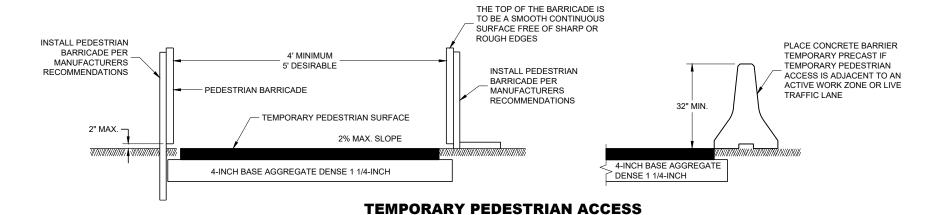


BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
- 3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.
- * USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



VARIES — VARIES -

TEMPORARY PEDESTRIAN BARRICADE*

PEDESTRIAN

12" MAX.

3' MIN. 4' MAX.

6

60

15D30

SDD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

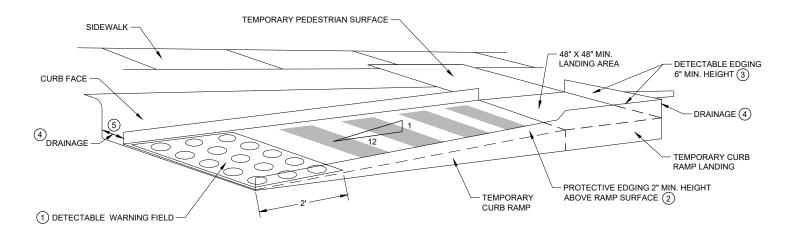
6

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

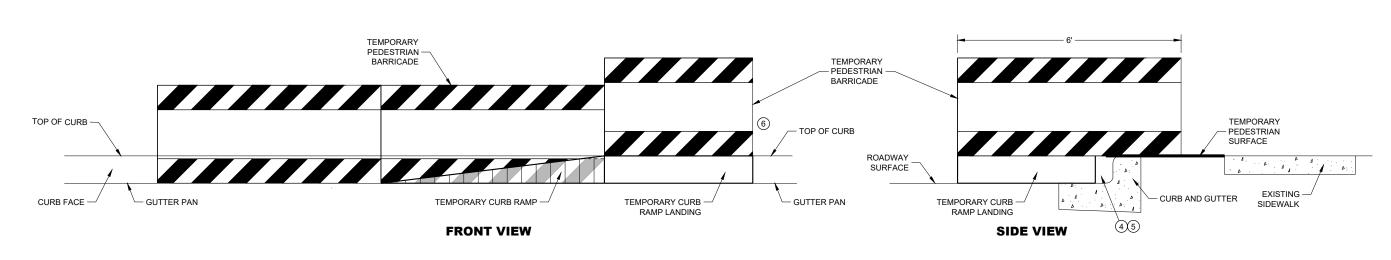
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN $\frac{1}{2}$ " WIDTH.

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 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.



PERSPECTIVE VIEW



TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD

15D30

SDD 15D30 - 09

4 DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

AND SHALL BE BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

GENERAL NOTES

 $\ensuremath{\texttt{(5)}}$ CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

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 $\frac{1}{2}$ " WIDTH.

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.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED $\frac{1}{2}$ ". LATERAL EDGES MAY BE VERTICAL UP TO $\frac{1}{4}$ " HIGH

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN

TERRACE

TERRACE

DRAINAGE

ODRAINAGE

TERRACE

DRAINAGE

ODRAINAGE

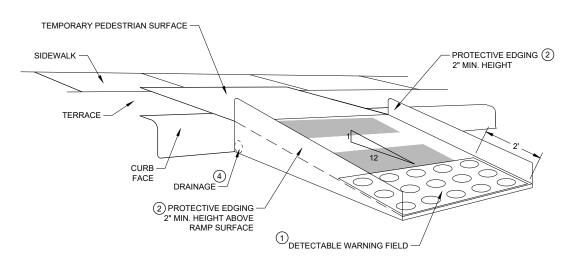
ODRAINAGE

TERRACE

DRAINAGE

ODRAINAGE

WITH SIDE APRON $^{\scriptsize{\scriptsize{\scriptsize{\scriptsize{5}}}}}$



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

SIGN ON PERMANENT SUPPORT

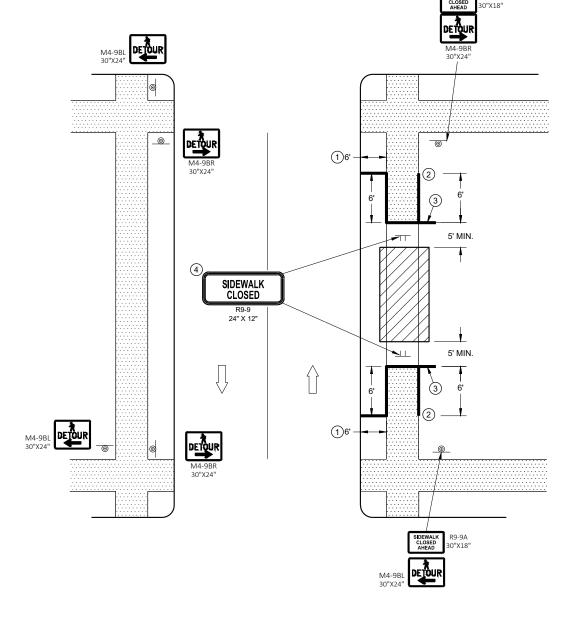
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

- 1 IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
- (2) PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
- (3) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
- 4 MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

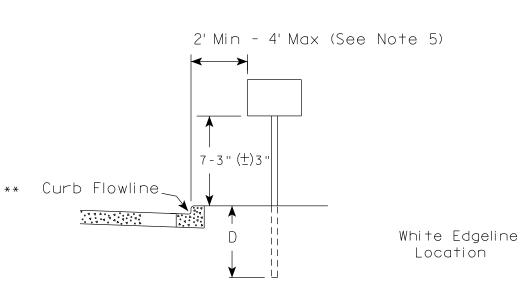
6

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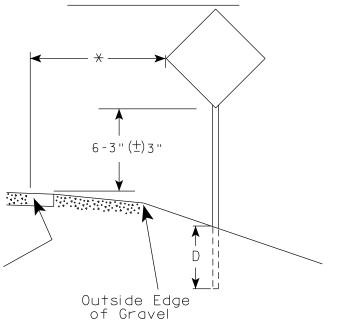
5D30 - 09k

SD





RURAL AREA (See Note 2)



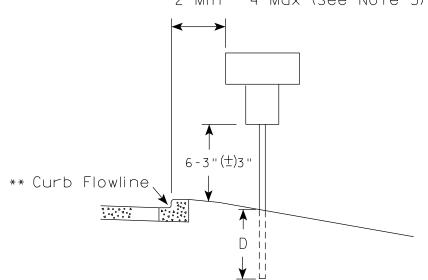
GENERAL NOTES

- 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

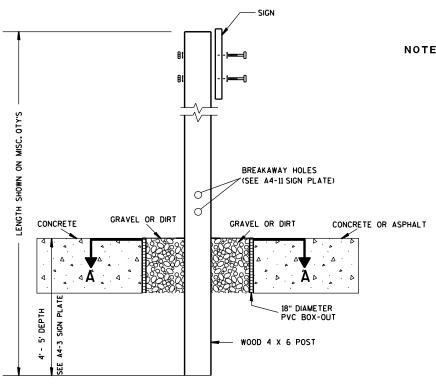
Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. _A4-3.23

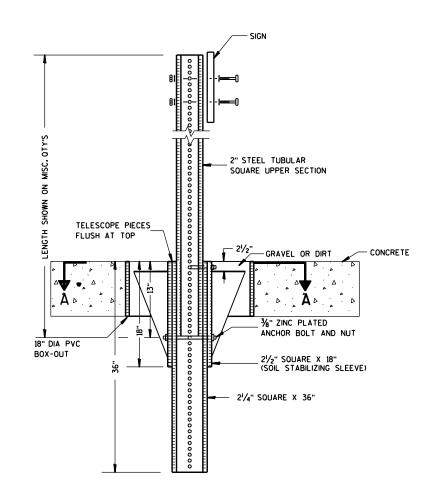
Ε

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.



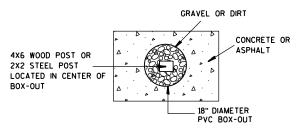
ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT

ELEVATION VIEW

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

APPROVED

For State Traffic Engineer

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

SHEET NO:

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

PROJECT NO:

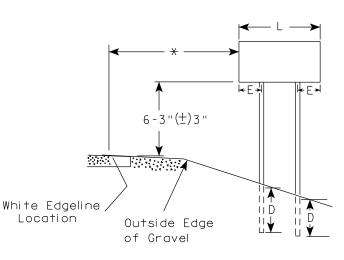
PLOT NAME :

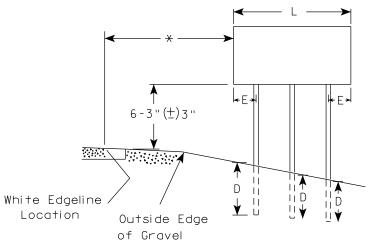
PLOT SCALE: 13.659812:1.000000

WISDOT/CADDS SHEET 42

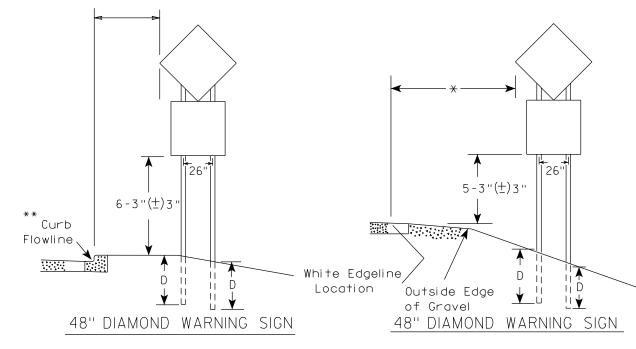
PLOT DATE: 27-JAN-2014 09:48 PLOT BY: mscsja RURAL AREA (See Note 3)

2'Min - 4'Max (See Note 6) 7-3"(±)3" Curb Flowline **7000** D ii ii D ****





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



	SIGN SHAPE OTHER THAN DIAM (TWO POSTS REQUIRED)		
	L	E	
* * *	Greater than 48" Less than 60"	12''	
	60" †o 108"	L/5	

HWY:

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)		
L	E	
Greater than 108" to 144"	12''	

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) 3'' or 6'-3'' (±) 3''depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (±) 3" or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- ** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST FMBEDMENT DEPTH

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 Matthe For State Traffic Engineer

DATE 12/6/23 PLATE NO. <u>A4-4.1</u>6

SHEET NO:

Ε

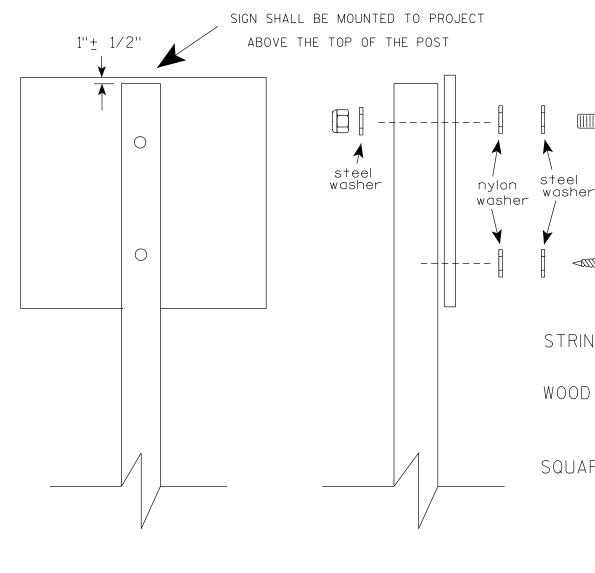
FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

COUNTY:

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

Ε

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



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

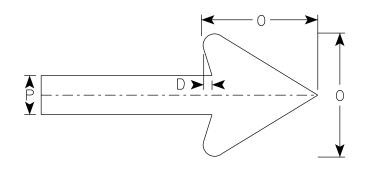
SIGN

NOTES

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

Background - Orange Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	Α	В	С	D	E	F	G	Н	Т	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	l w	X	Υ	Z	Area sq. ft.
1		_	_											,							_						34. 11.
25	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 ⁵ / ₈	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 ⁵ ⁄ ₈	11 3/4	7	6	2											5.0
3																											
4																											
5																											

COUNTY:

M4-9BR

STANDARD SIGN M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Mathew R Raw Forstate Traffic Engineer

DATE <u>2/9/2023</u> PLATE NO. <u>M4-9B.4</u>

SHEET NO:

Ε

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49B.dgn

HWY:

PROJECT NO:

PLOT DATE: 9-FEB 2023 11:55

PLOT BY : dotc4c

PLOT NAME :

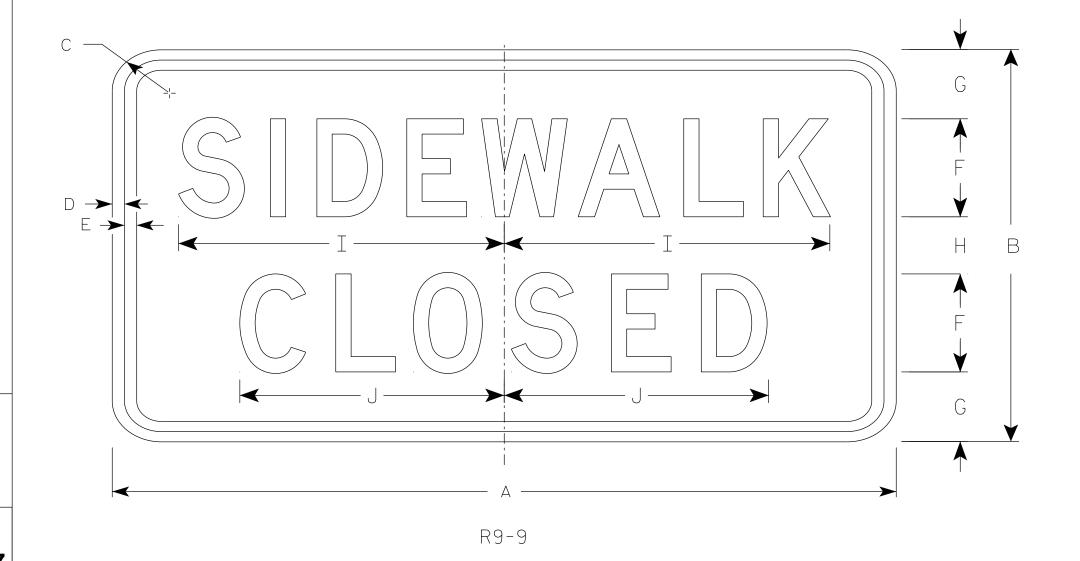
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

NOTES

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

Background - White Message - Black

- 3. Message Series 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	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Υ	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

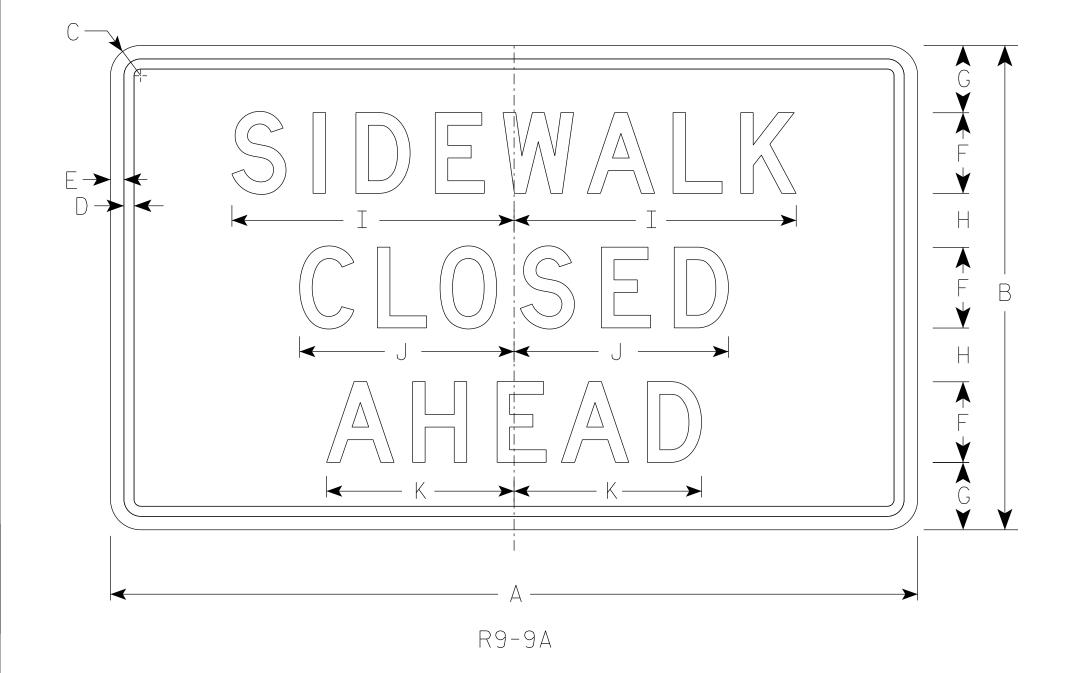
NOTES

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

Background - White

Message – Black

3. Message Series - D



l																											
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																											
25	30	18	1 1/2	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/2	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											
PRC	JECT	NO:					НΛ	WY:					COU	NTY:													

STANDARD SIGN R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew f_{or} State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2 SHEET NO:

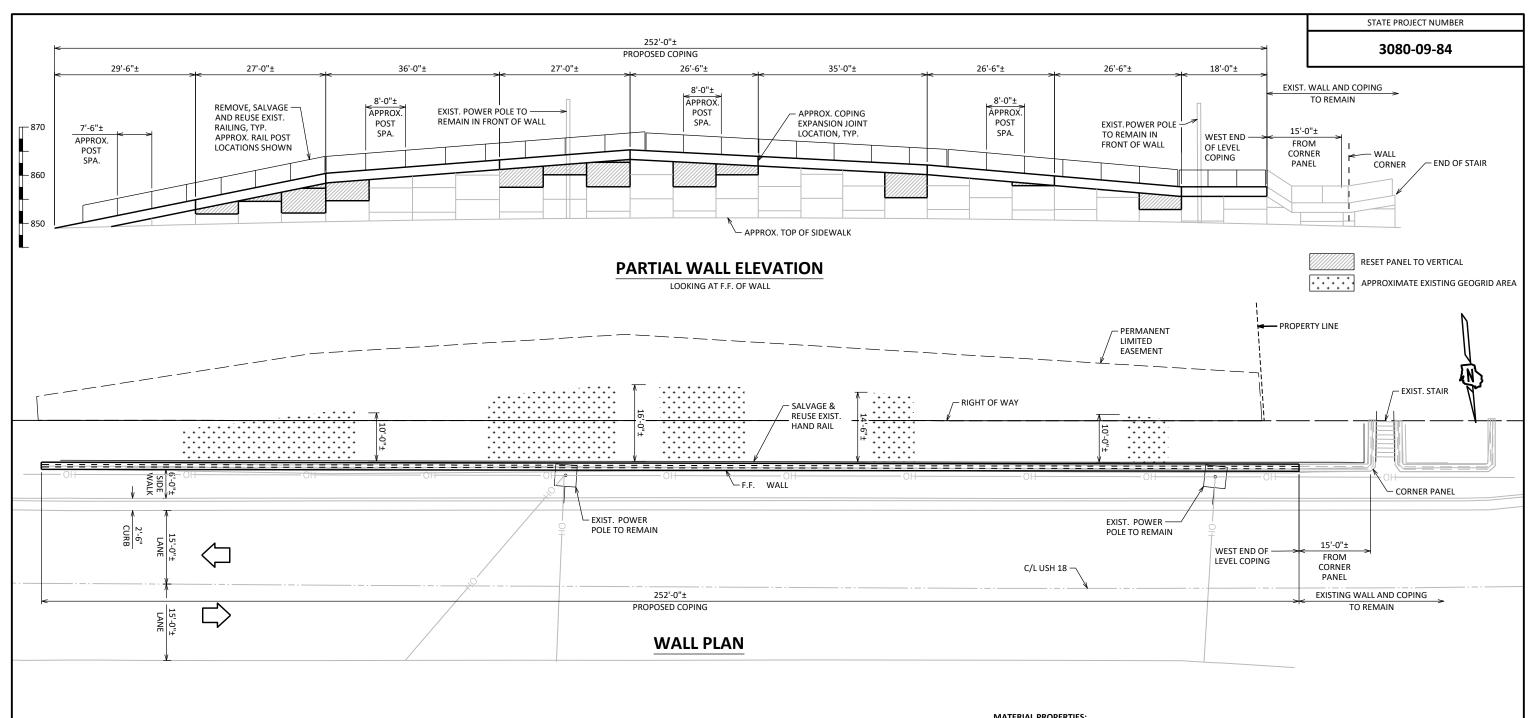
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FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R99A.DGN

PLOT DATE : 24-JAN 2024 11:58

PLOT BY: mscj9h

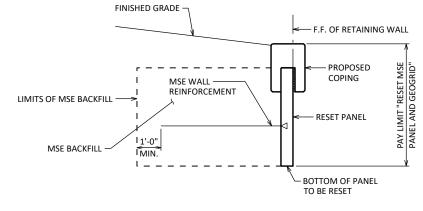
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
X	502.4105	ADHESIVE ANCHORS 5/8 - INCH	EACH	44
	502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	126
	504.0500	CONCRETE MASONRY RETAINING WALLS	CY	21
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,750
*	531.1100	CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS	CY	3
	SPV.0090	SALVAGE AND REINSTALL RAILING	LF	252
	SPV.0090	REMOVE COPING	LF	252
	SPV.0165	RESET MSE WALL PANEL AND GEOGRID	SF	600
		NON-BID ITEMS		
		BACKER ROD	SIZE	3/4",1",11/4",11/2"
		FILLER	SIZE	3/4", 1"

QUANTITIES ARE INCLUDED FOR NEW RAIL FOUNDATIONS, IF REQUIRED. QUANTITIES ARE BASED ON A TOTAL OF 22 RAIL FOUNDATIONS. ACTUAL NUMBER OF FOUNDATIONS TO BE REPLACED MAY VARY AND SHALL BE DETERMINED BY THE FIELD ENGINEER.



TYPICAL PARTIAL WALL SECTION

PAYMENT FOR EXCAVATION OF EXISTING GEOGRID, RESETTING OR REPLACING DAMAGED GEOGRID, AND BACKFILL TO BE PAID FOR UNDER "RESET MSE PANEL" BID ITEM.

MATERIAL PROPERTIES:

CONCRETE MASONRY $- f'_c = 3,500 P.S.I.$ BAR STEEL REINFORCEMENT, GRADE 60 — f_v = 60,000 P.S.I.

LIST OF DRAWINGS:

- MSE WALL REPAIRS
- 2. WALL DETAILS

NOTES

ELEVATIONS AND DIMENSIONS OF WALL AND GEOGRID TAKEN FROM AS-BUILT PLANS AND SHOP DRAWINGS. ALL VALUES ARE APPROX. AND ARE TO BE VERIFIED BY THE CONTRACTOR.

OVERHEAD LINES ARE APPROX. 8 FEET ABOVE THE TOP OF WALL.UTILITY LOCATIONS ARE APPROXIMATE, CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

TOP OF WALL PANELS AS SHOWN IN PLAN SHALL BE RESET TO PLUMB. OTHER PANELS TO BE RESET AS DETERMINED BY

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING WALLS PANELS THAT ARE DAMAGED DURING COPING REMOVAL OR DURING PANEL RESETTING OPERATIONS AT THE DIRECTION OF THE ENGINEER. PANEL REPAIRS OR REPLACEMENTS SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE DEPARTMENT.

STRUCTURE DESIGN CONTACTS:

DOMINIQUE BECHLE STEVE DOOCY 608-261-6063 608-261-8205

NO.	DATE	REVISION	BY
Z,	MISCONSIN TO THE	BUREAU OF	
PARTW	NO THANGO	S RUC URES	
	EPTED	11 11 DMB 05/01/2	24
		E CTRUCTURES DESIGN ENGINEER DATE	_

STRUCTURE R-28-6

RETAINING WALL ALONG USH 18 EB JEFFERSON HELENVILLE DESIGN SPEC. REHABILITATION N/A
DESIGNED DES DESIGNED DRAW SAD CK'D EMK

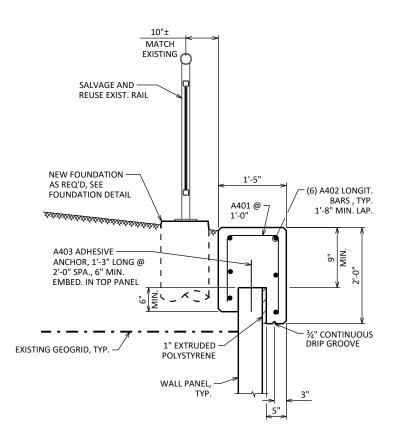
> **MSE WALL REPAIRS**

SHEET 1 OF 2

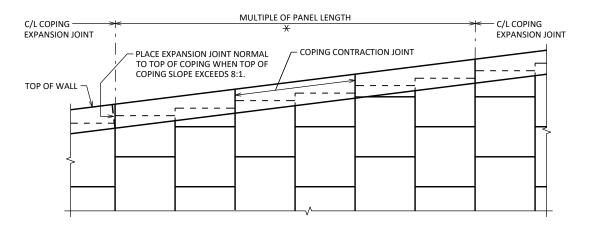
I.D. 3080-09-04A DATE: ARPIL 2024

EXISTING WALL SECTION

★ ONLY REPLACE RAIL FOUNDATIONS AS REQUIRED. FIELD ENGINEER TO CONFIRM THE REQUIRED LOCATIONS OF RAILING FOUNDATION REPLACEMENTS

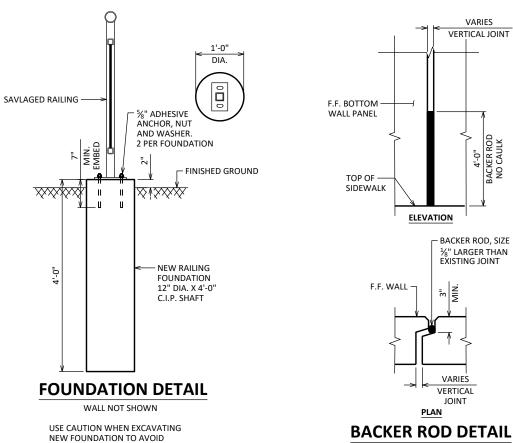


RETAINING WALLS" BID ITEM. COPING CROSS SECTIONAL AREA APPROX. 2.25 SF/LF

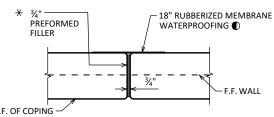


CAST-IN-PLACE COPING PARTIAL ELEVATION

* ALL JOINTS MUST COINCIDE WITH A PANEL JOINT ON THE FRONT FACE OF WALL.



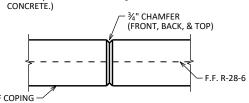
DAMAGING EXISTING GEOGRID



COPING EXPANSION JOINT

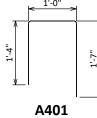
DO NOT RUN BAR STEEL THRU JOINT.

MEMBRANE WATERPROOFING TO EXTEND FROM TOP TO BOTTOM OF COPING. MEMBRANE IS INCIDENTAL TO "RESET MSE WALL PANEL AND GEOGRID" BID ITEM. * SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF



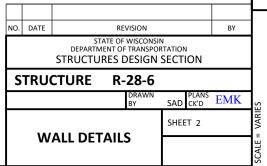
COPING CONTRACTION JOINT

MAX. SPACING OF JOINT = 12'-0"



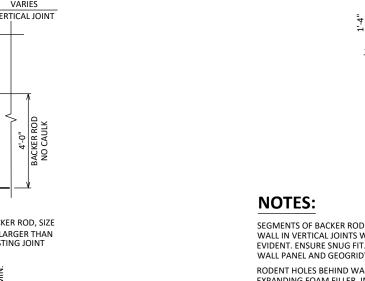
SEGMENTS OF BACKER ROD TO BE INSTALLED AT BASE OF WALL IN VERTICAL JOINTS WHERE LOSS OF BACKFILL IS EVIDENT. ENSURE SNUG FIT. INCIDENTAL TO "RESET MSE WALL PANEL AND GEOGRID" BID ITEM.

RODENT HOLES BEHIND WALL TO BE FILLED WITH SLURRY OR EXPANDING FOAM FILLER. INCIDENTAL TO "RESET MSE WALL PANEL AND GEOGRID" BID ITEM.



PROPOSED WALL SECTION

PROPOSED COPING IS INCLUDED IN THE "CONCRETE MASONRY



Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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