PROJECT Ö

> S 70-08-

GRE MAY 2017

ORDER OF SHEETS

Section No. 1

Section No. 2 Typical Sections and Details

Estimate of Quantities Miscellaneous Quantitles

Right of Way Plat Plan and Profile

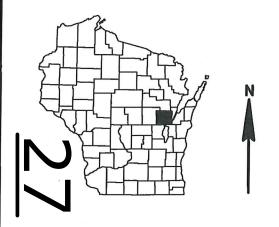
Standard Detail Drawings

Section No. 8 Structure Plans

Section No. 9 Computer Earthwork Data

Cross Sections Section No. 9

TOTAL SHEETS = 94



= 890,000

DESIGN DESIGNATION

A.A.D.T. 2019 = 5600 A.A.D.T. 2039 = 6500 D.H.V. = 1060 D.D. = 59,41 = 6.0% DESIGN SPEED = 30 MPH

CONVENTIONAL SYMBOLS

CORPORATE LIMITS PROPERTY LINE

LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE EXISTING CULVERT

PROPOSED CULVERT

COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

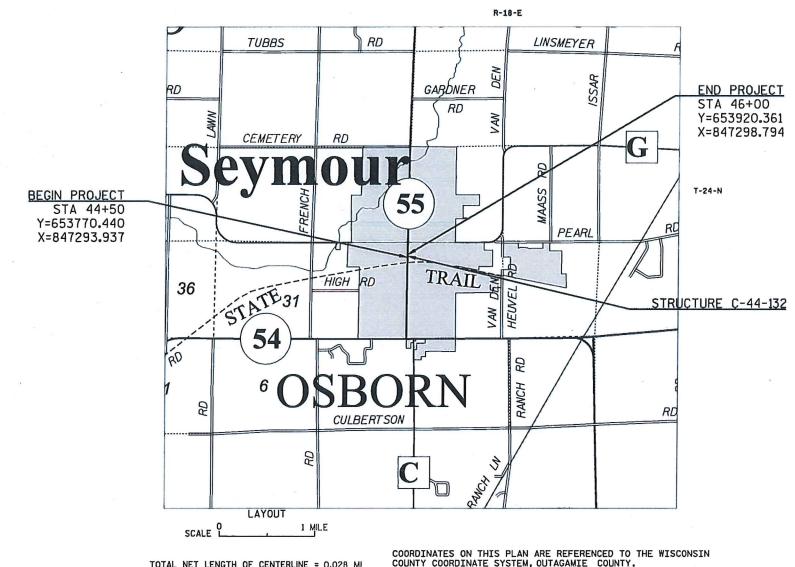
MAIN STREET, CITY OF SEYMOUR

LITTLE HENRY CREEK BOX CULVERT

STH 55

OUTAGAMIE

STATE PROJECT NUMBER 6570-08-72



ORIGINAL PLANS PREPARED BY

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2017282

STATE PROJECT

6570-08-72

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

REPARED BY Surveyor WISDOT/ OMNNI Project Manager Regional Examiner

FILE NAME : F:\TR\JOBS\E2195A15\CIVIL 3D 2014\SHEETSPLAN\65700872-010101-TI.DWG LAYOUT NAME - 65700872-010101-TI

PLOT DATE : 1/23/2017 8:09 AM

TOTAL NET LENGTH OF CENTERLINE = 0.028 MI

PLOT BY : BEN BACKUS

WISDOT/CADDS SHEET 10

E

PROFILE GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

STORM SEWER TELEPHONE

WATER

GRADE ELEVATION

MARSH OR ROCK PROFILE (To be noted as such)

CULVERT (Profile View)

PLOT NAME :

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

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

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

ALL MANHOLE AND INLET OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES AND CULVERT PIPES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. THE CONTRACTOR SHALL PROVIDE DRAINAGE DOCUMENTATION TO THE ENGINEER.

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

CURB AND GUTTER RADII DIMENSIONS ARE SHOWN TO THE FACE OF THE CURB AND GUTTER.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE ENTRANCES, FIELD ENTRANCES AND COMMERCIAL ENTRANCES SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

EXISTING GUARDRAIL AT STA 45+15 RIGHT IS TO REMAIN IN PLACE EXCEPT FOR A SECTION THAT WILL BE REMOVED AND REPLACED TO ALLOW FOR PED ACCESS. CONTRACTOR WILL BE REQUIRED TO WORK AROUND IT WITHOUT CAUSING ANY DAMAGE.

THE EXISTING STH 55 CULVERT IS APPROXIMATELY 415 FEET LONG, AND CONSISTS OF THREE DISTINCT SEGMENTS:

- □ 255 FEET OF 12' X 6' CONCRETE BOX CULVERT (EAST OF STH 55)
- □ 66 FEET OF 12' X 6' CONCRETE ARCH CULVERT (UNDER STH 55 RIGHT-OF-WAY)
- □ 92 FEET OF 12' X 6' CONCRETE BOX CULVERT (WEST OF STH 55)

BECAUSE THE CULVERT HAS SEVERAL BENDS, THE LENGTHS ARE APPROXIMATE. ALSO, WITHIN EACH SEGMENT, THE ACTUAL WIDTH AND RISE OF THE CULVERT VARIES, AND THE SIZES GIVEN ARE AVERAGES, BASED ON FIELD MEASUREMENTS AT SEVERAL LOCATIONS WITHIN EACH SEGMENT OF THE CULVERT.

ORDER OF "SECTION 2" SHEETS

SHEET TITLE GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS PAVING DETAILS **EXISTING CONDITIONS & REMOVALS** PROPOSED SITE PLAN EROSION CONTROL PLAN STORM SEWER SANITARY SEWER TRAFFIC CONTROL DETOUR SIGNING DETAIL

OTHER CONTACTS

DNR LIAISON MATTHEW SCHAEVE

> DNR NORTHEAST REGIONAL HQ 2984 SHAWANO AVE GREEN BAY, WI 54313

TELEPHONE: 920-662-5472 CELL: 920-366-1544

CITY OF SEYMOUR

EMAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV

STREET LIGHTING

MIKE PEPIN 328 N MAIN STREET SEYMOUR, WI 54165-1312 TELEPHONE: (920) 833-2397 MJCPPE@AOL.COM

UTILITIES

ELECTRIC WE ENERGIES

DAN SANDE A299

333 W EVERETT ST MILWAUKEE, WI 53203 TELEPHONE: (414)221-4578

DAN.SANDE@WE-ENERGIES.COM

GAS WE ENERGIES DAN SANDE

A299

333 W EVERETT ST MILWAUKEE. WI 53203 TELEPHONE: (414)221-4578 DAN.SANDE@WE-ENERGIES.COM

CABLE TV TIME WARNER CABLE

VINCE ALBIN

3520 EAST DESTINATION DRIVE

APPLETON, WI 54915 TELEPHONE: (920) 831-9211

VINCE.ALBIN@TWCABLE.COM

WATER SEYMOUR MUNICIPAL WATER UTILITY

MIKE PEPIN

328 N MAIN STREET SEYMOUR, WI 54165-1312 TELEPHONE: (920) 833-2397

MJCPPE@AOL.COM

SANITARY SEWER CITY OF SEYMOUR

MIKE PEPIN

328 N MAIN STREET SEYMOUR, WI 54165-1312 TELEPHONE: (920) 833-2397

MJCPPE@AOL.COM

COMMUNICATION

CENTURYLINK DENNIS HAAG

144 N PEARL ST, PO BOX 70

BERLIN, WI 54923

TELEPHONE: (920) 361-0040 DENNIS.HAAG@CENTURYLTEL.COM



Dial or (800) 242-8511

www.DiggersHotline.com

EROSION CONTROL NOTES

RUNOFF COEFFICIENT FOR THIS PROJECT: EXISTING PAVEMENT 0.95, EXISTING SLOPES 0.30, NEW PAVEMENT 0.95. NEW SLOPES 0.30.

TOTAL PROJECT AREA = 0.455 ACRES.

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.455 ACRES.

PROJECT NO: 6750-08-72 HWY: STH 55 COUNTY: OUTAGAMIE

GENERAL NOTES

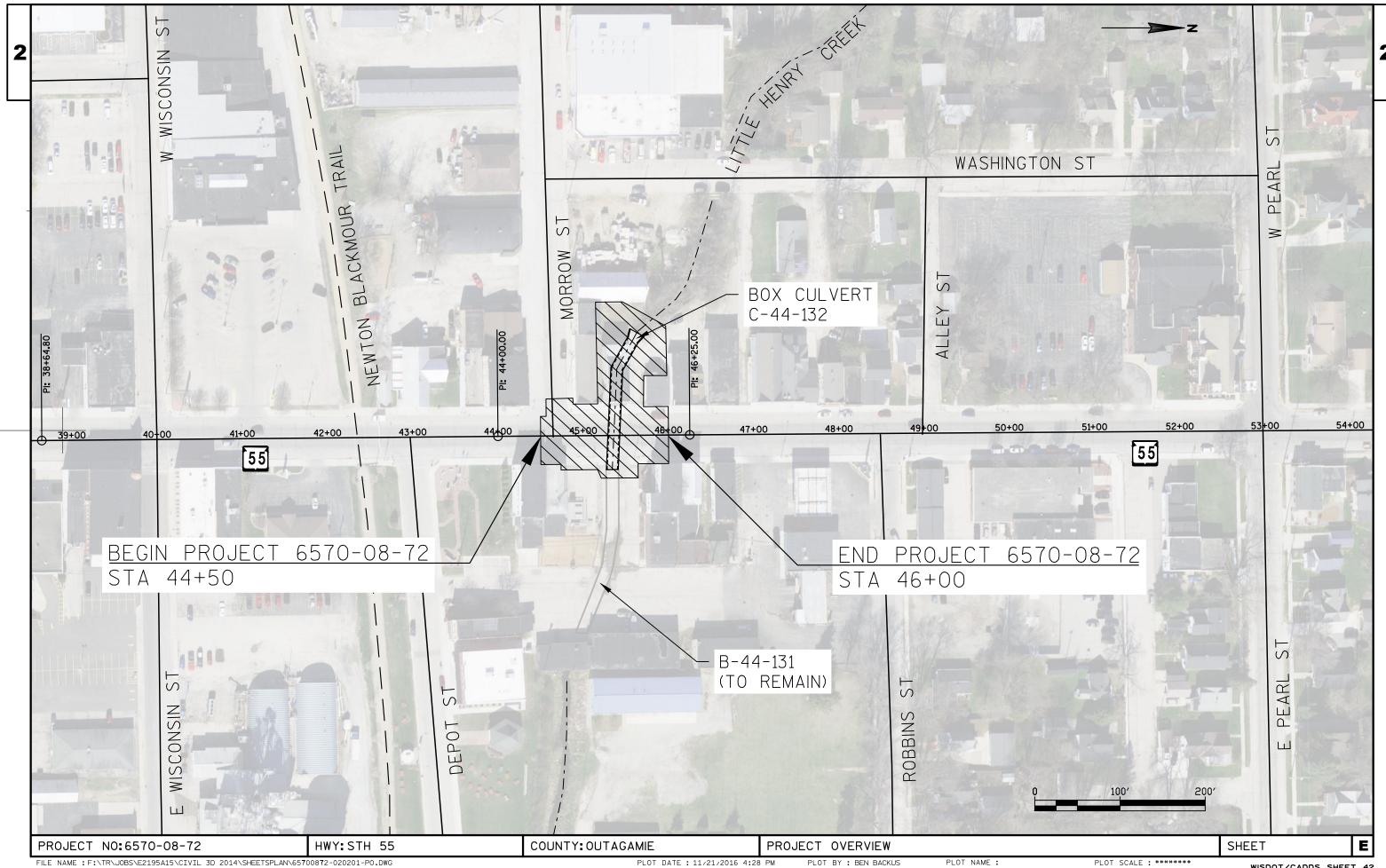
SHEET:

FILE NAME: F:\TR\JOBS\E2195A16\Sheets\General Notes\65700872-020101-gn.ppt

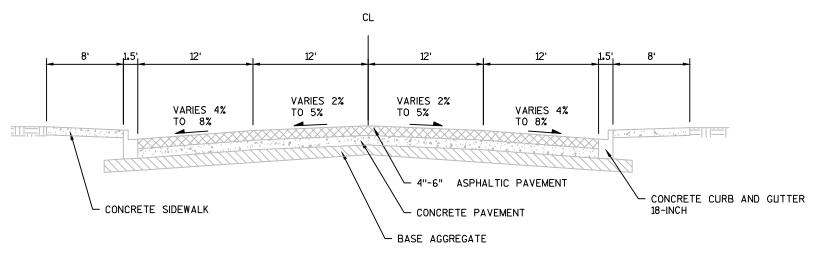
ORIGINATOR: OMNNI ASSOCIATES

ORIG. DATE: OCTOBER 14, 2016

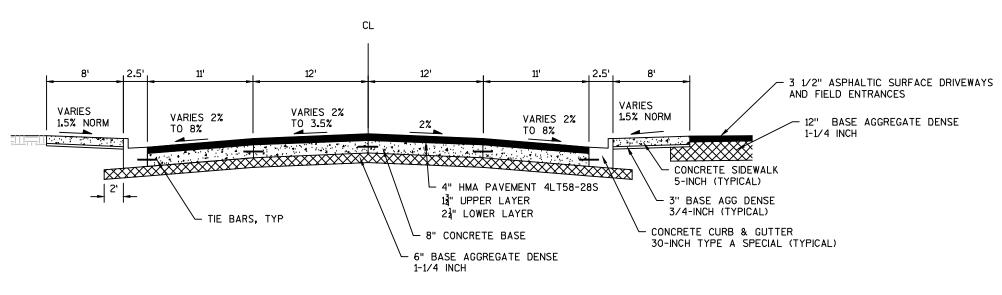
REV. DATE: JANUARY 30, 2017



WISDOT/CADDS SHEET 42

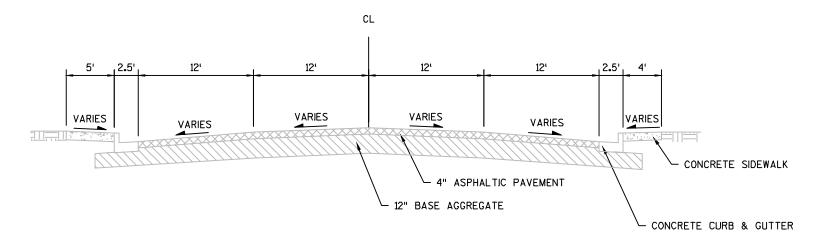


EXISTING TYPICAL SECTION STH 55
STA 44+50 TO STA 46+00

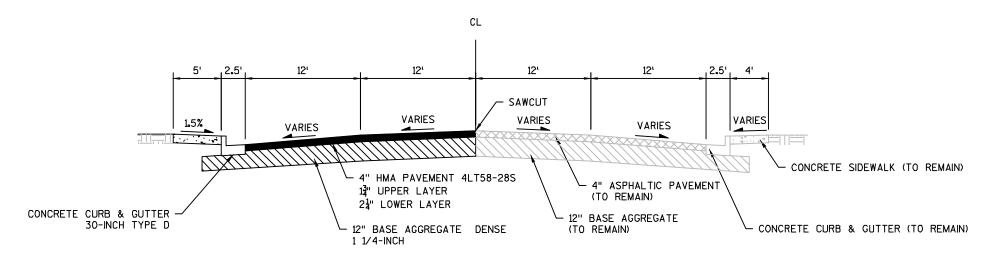


PROPOSED TYPICAL SECTION STH 55
STA 44+50 TO STA 46+00

2



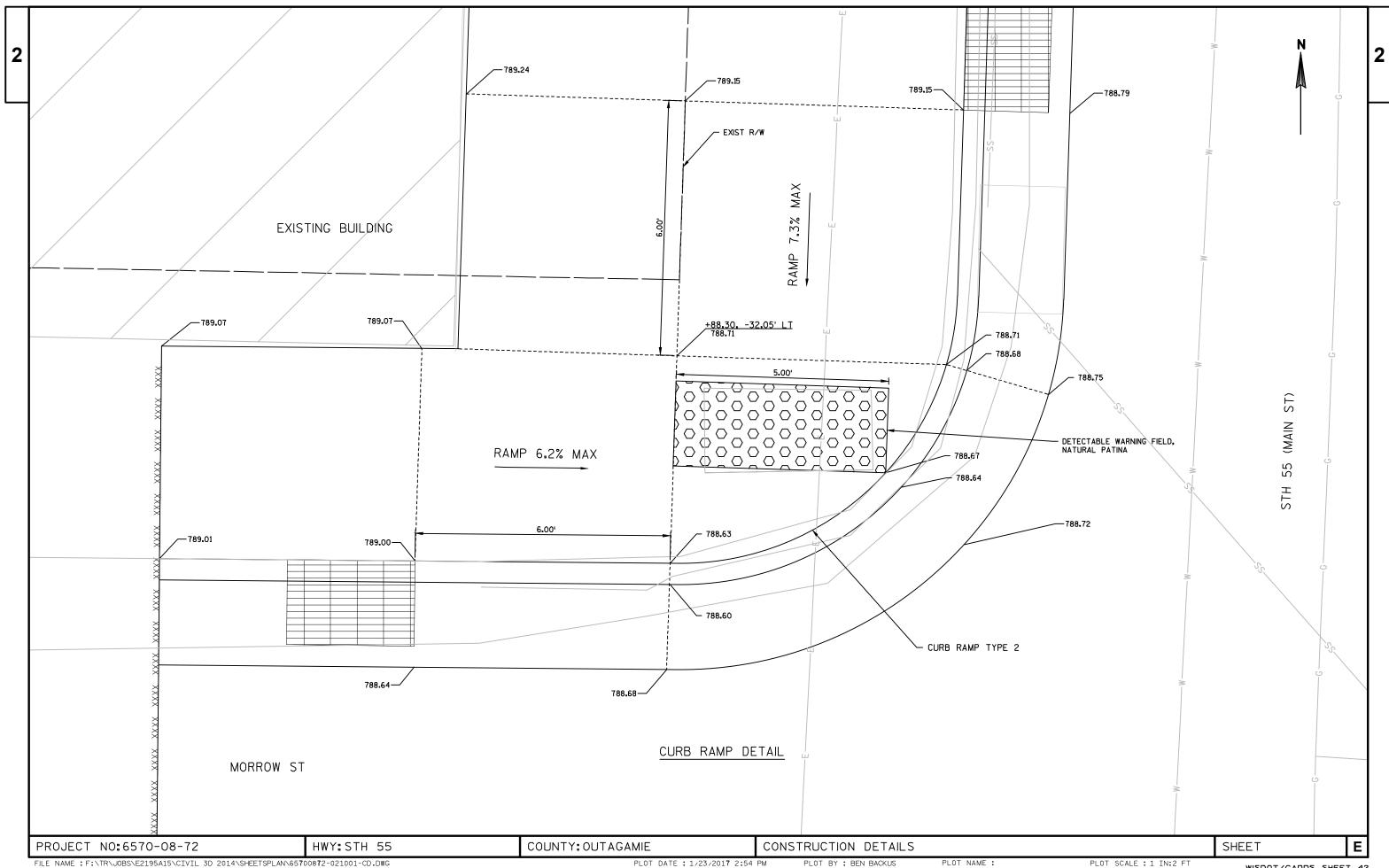
EXISTING TYPICAL SECTION MORROW STREET

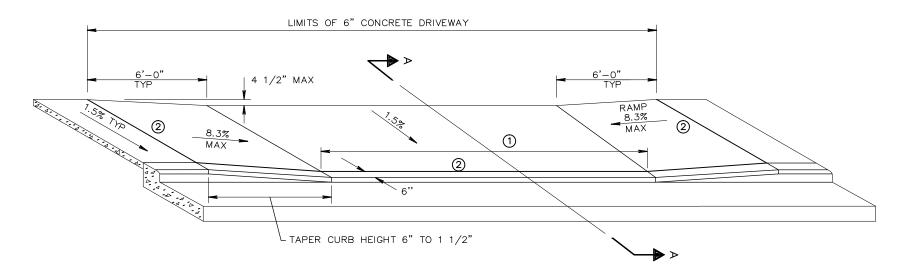


PROPOSED TYPICAL SECTION

MORROW STREET

PROJECT NO:6570-08-72 HWY:STH 55 COUNTY:OUTAGAMIE TYPICAL SECTIONS SHEET **E**





* CONCRETE SIDEWALK TO BE REMOVED SO AS NOT TO DISTURB EXISTING BUILDING

SECTION A-A

SAWCUT EXISTING CONCRETE SIDEWALK A MINIMUM OF 1' FROM ADJACENT BUILDING

CONCRETE SIDEWALK * WORK IS INCIDENTAL TO REMOVING CONCRETE SIDEWALK

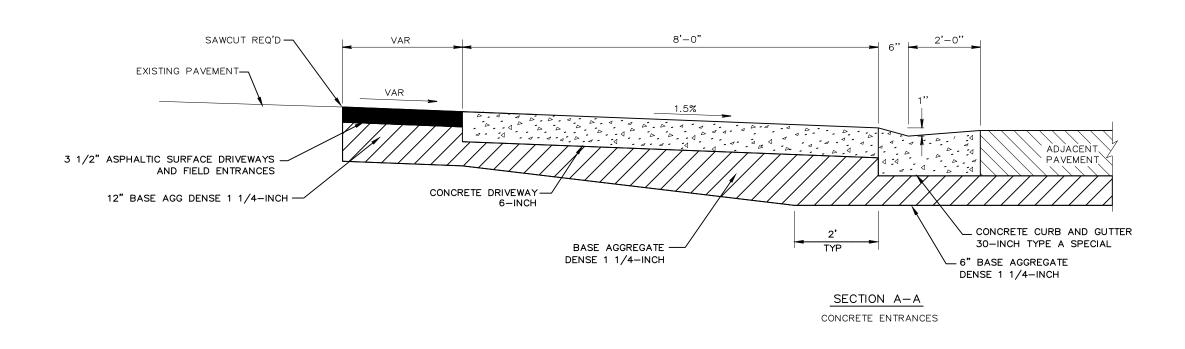
CONCRETE SIDEWALK TO BE REMOVED BY NORMAL METHODS

PRIVATE/COMMERICAL ENTRANCE - NO TERRACE

- 1 SEE PAVING DETAILS FOR DRIVEWAY WIDTHS
- 1/2" PREFORMED EXPANSION FILLER

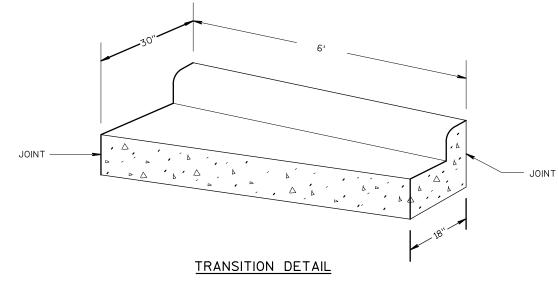
SAW CUTTING CONCRETE SIDEWALK AT BUILDINGS

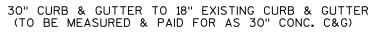
SAWCUT REQ'D

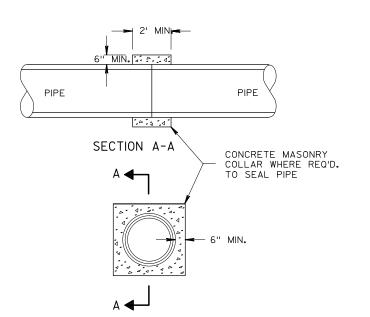


COUNTY: OUTAGAMIE Ε PROJECT NO:6570-08-72 HWY: STH 55 CONSTRUCTION DETAILS SHEET PLOT NAME : PLOT SCALE : 1 IN:100 FT

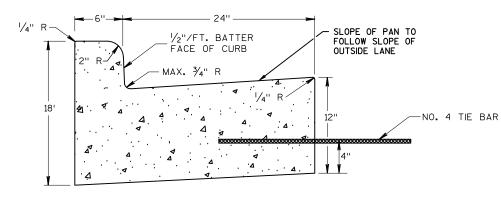




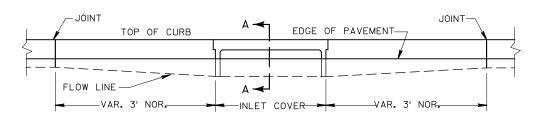




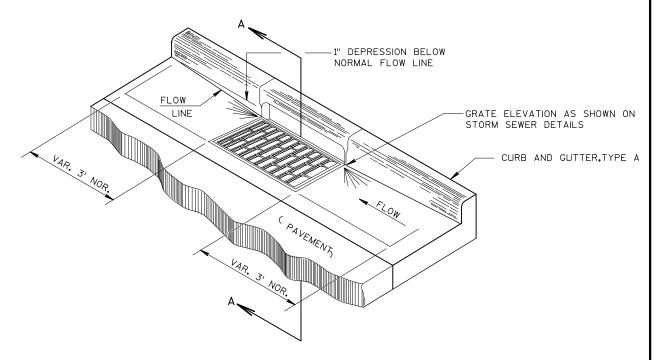
CONCRETE COLLAR DETAIL

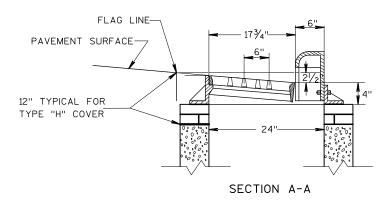


CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL



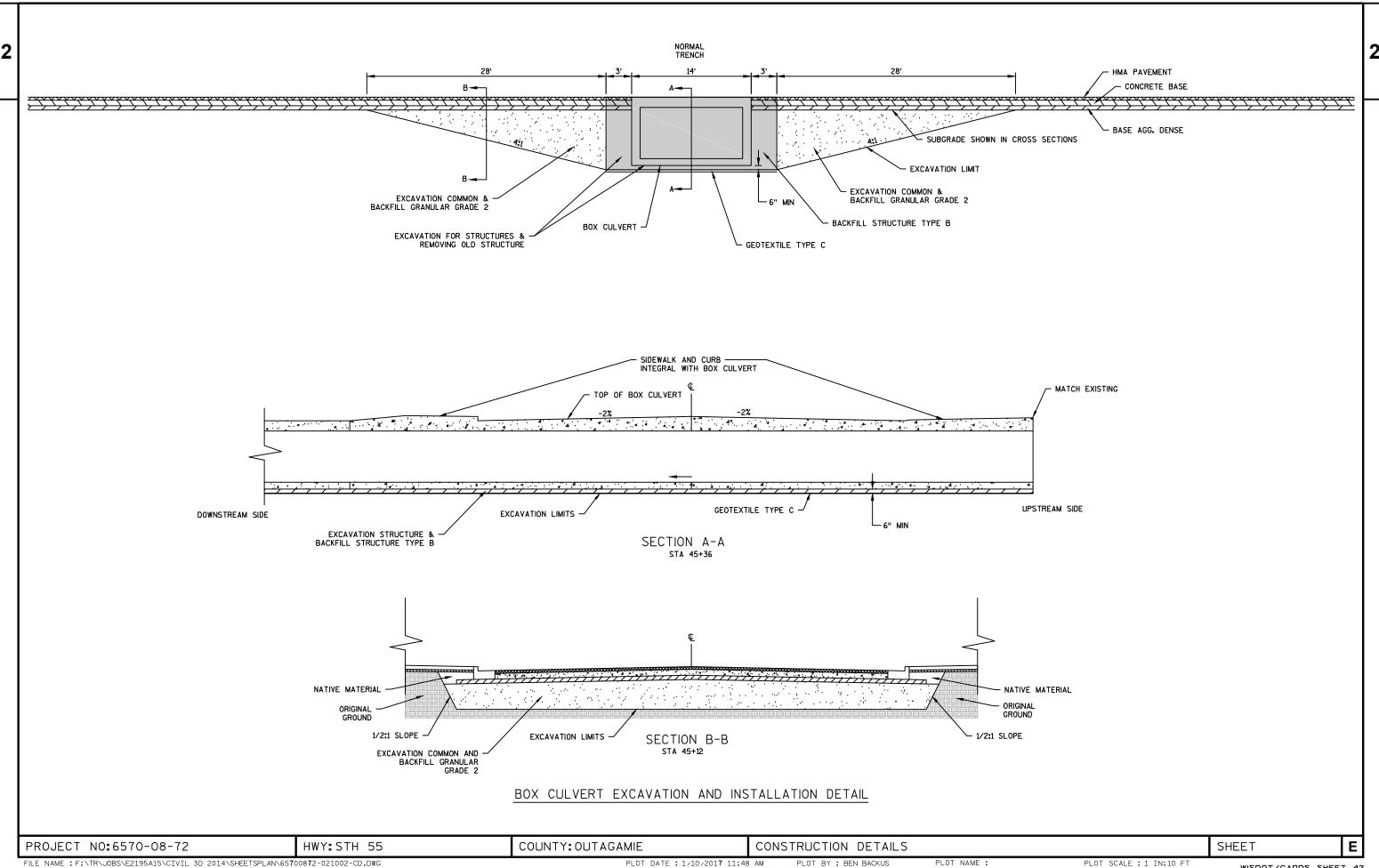
ELEVATION



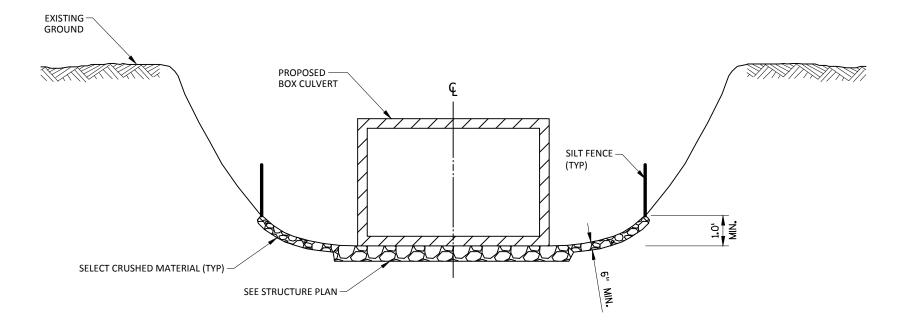


DETAIL OF CURB AND GUTTER AT INLETS

PROJECT NO:6570-08-72 HWY:STH 55 COUNTY:OUTAGAMIE CONSTRUCTION DETAILS SHEET **E**



|2

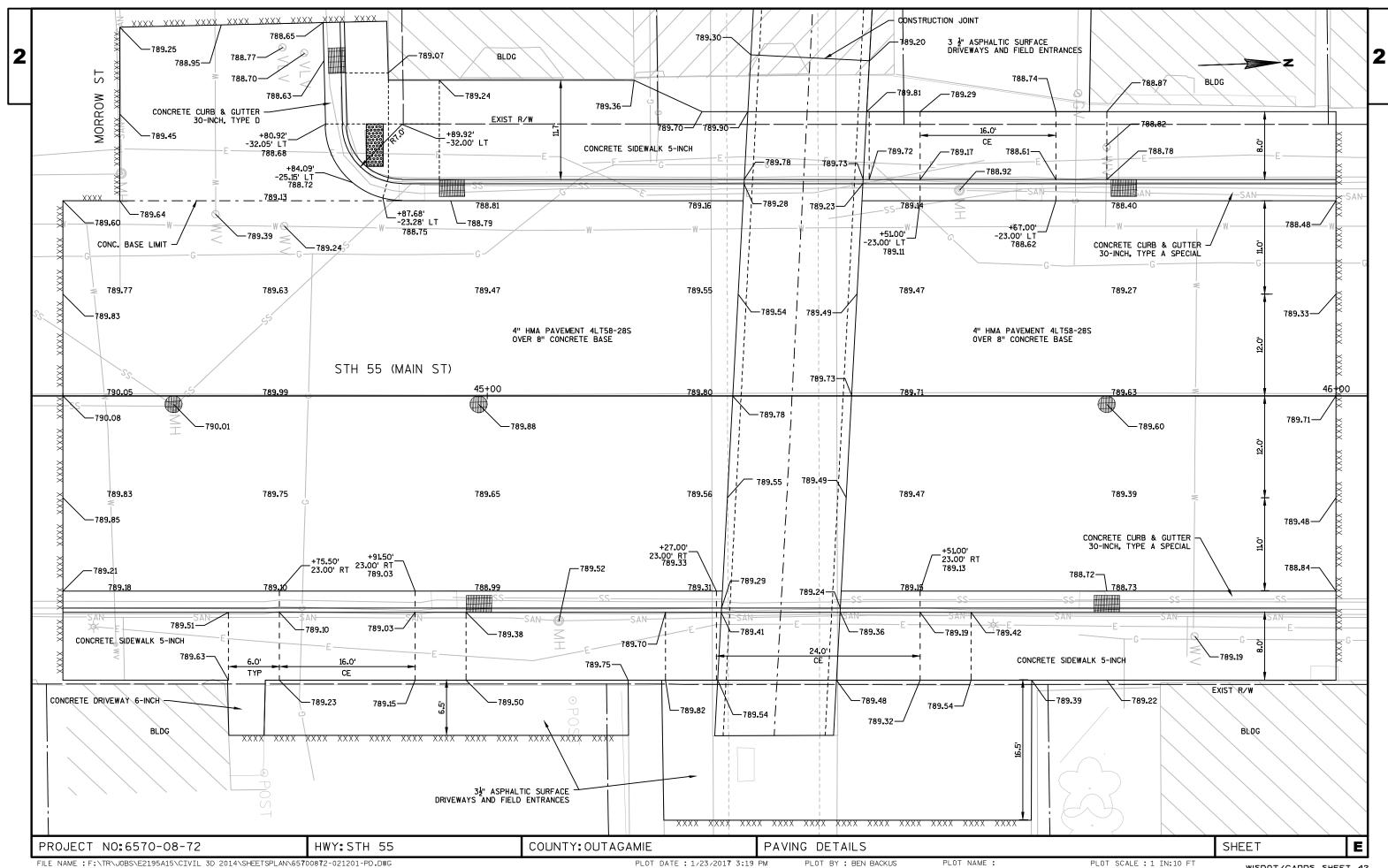


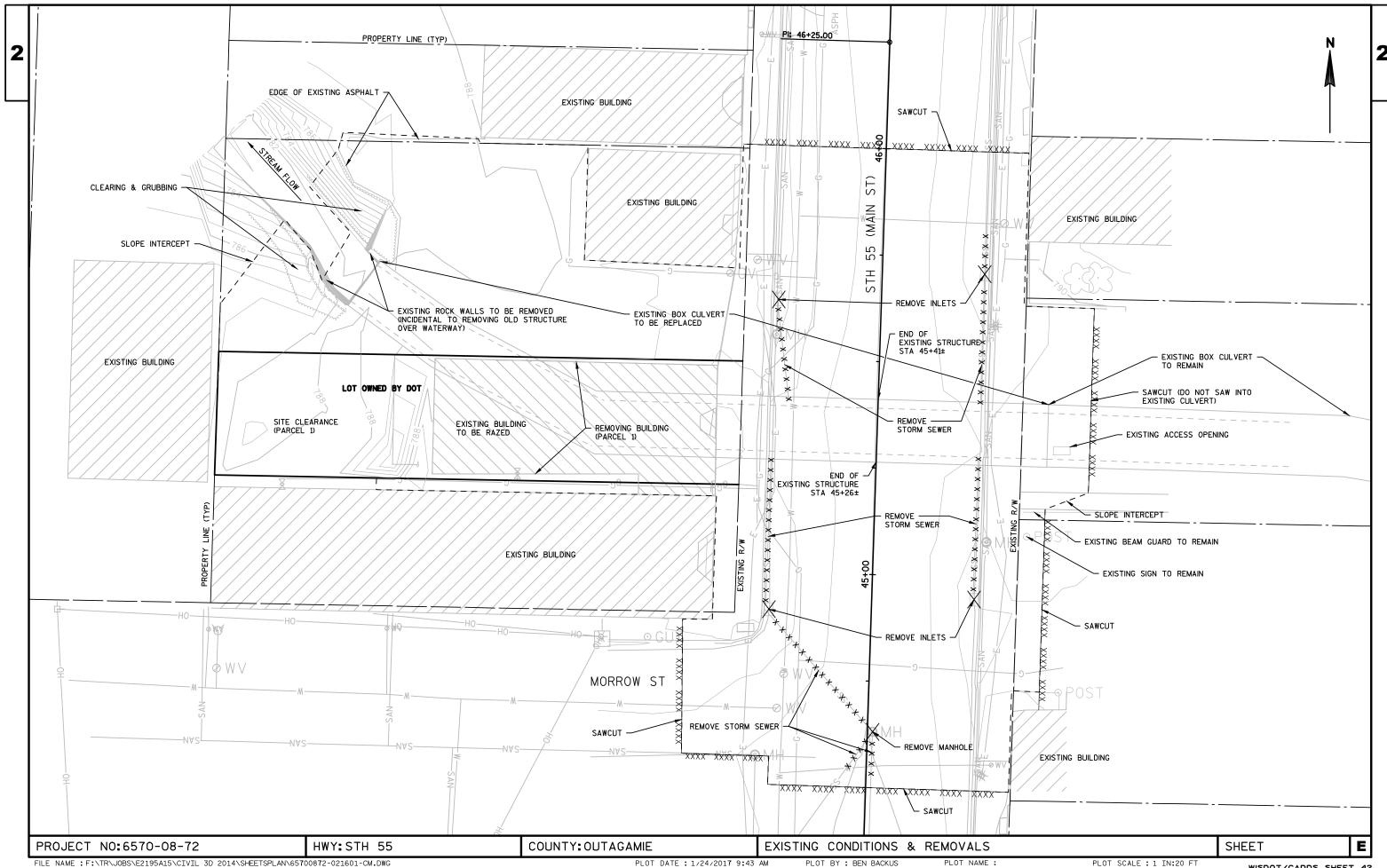
EXCAVATION PROTECTION AT BOX CULVERTS

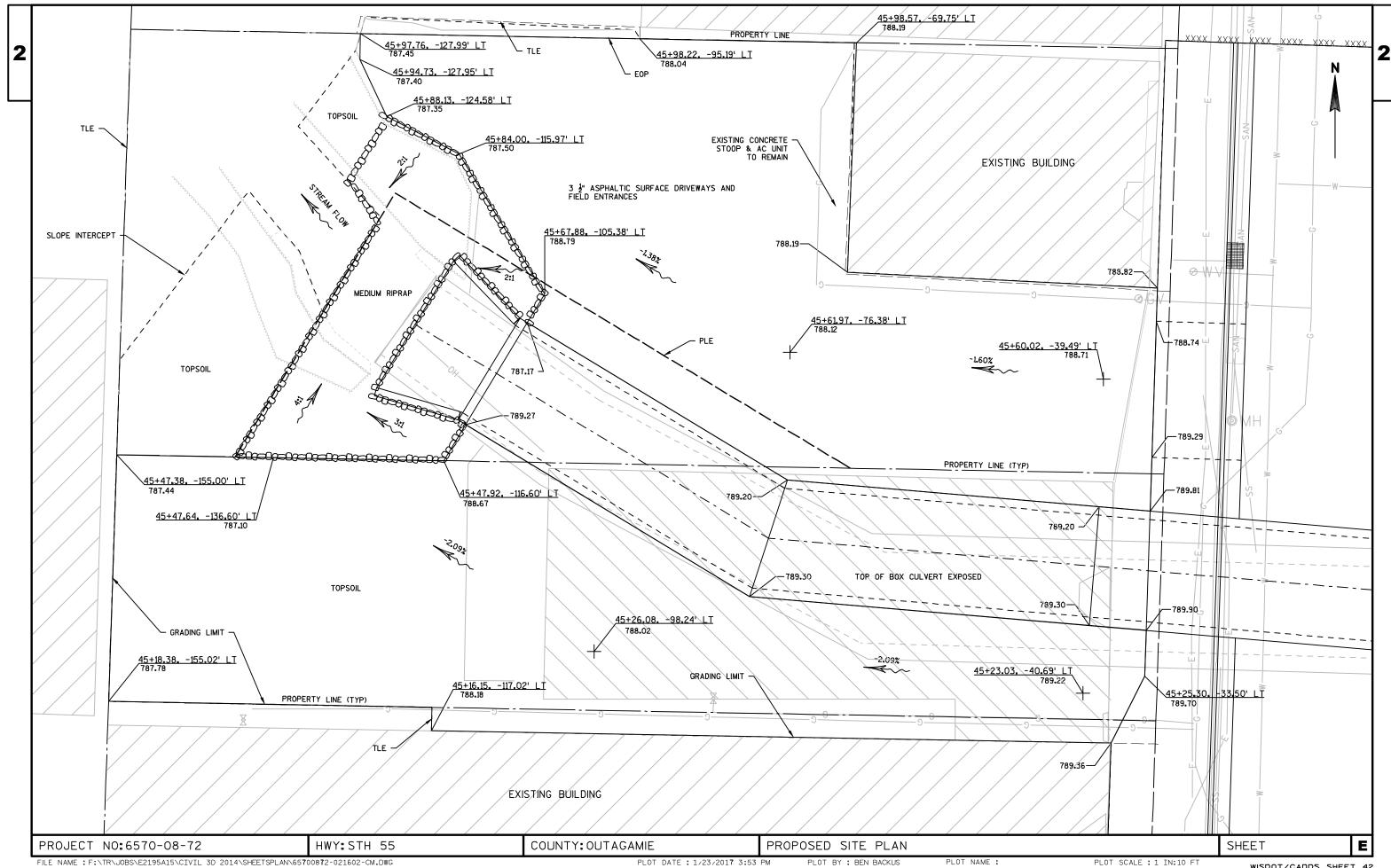
(NOT TO SCALE)
INFORMATION ONLY

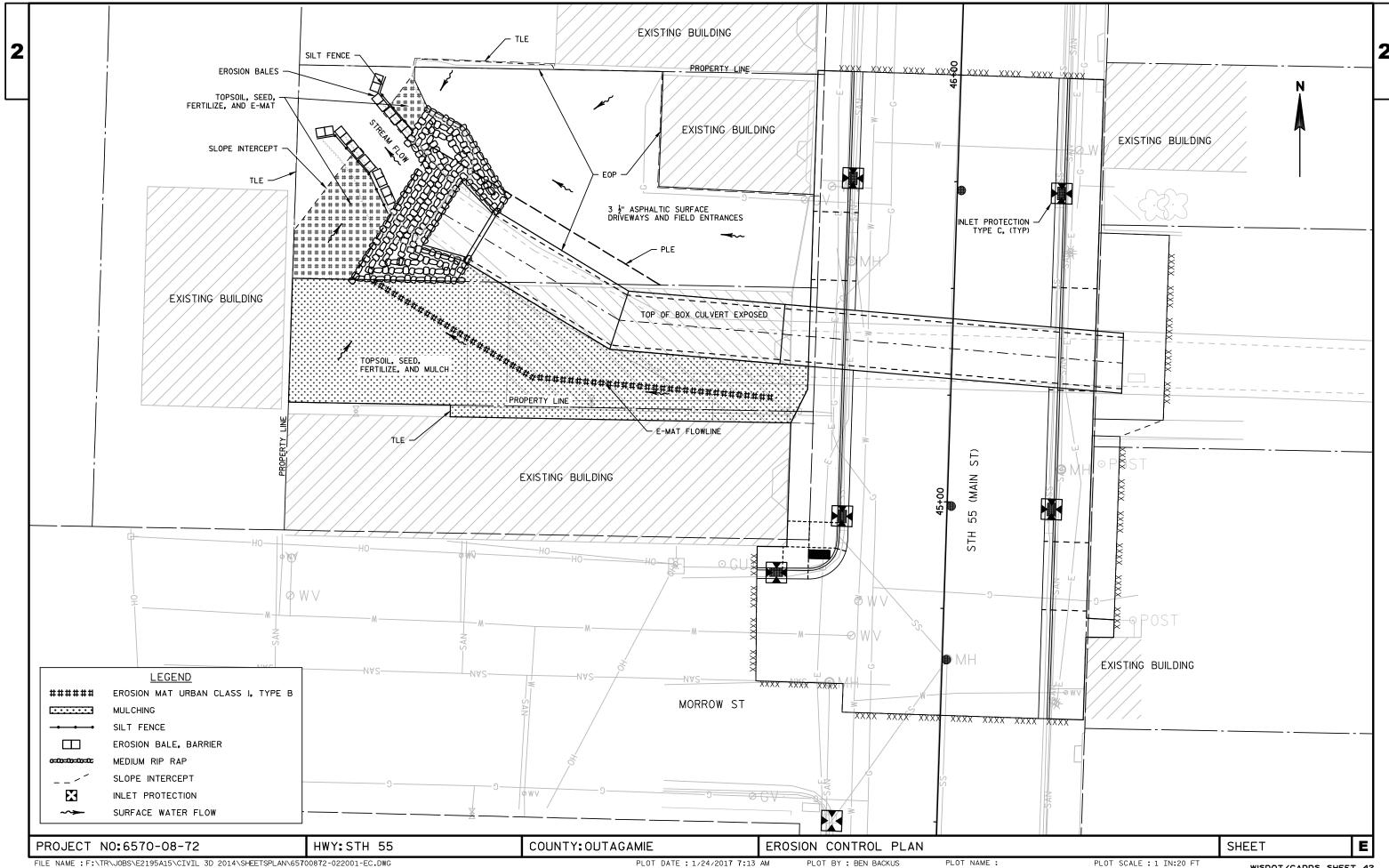
PROJECT NO:6570-08-72 HWY:STH 55 COUNTY:OUTAGAMIE CONSTRUCTION DETAILS SHEET **E**

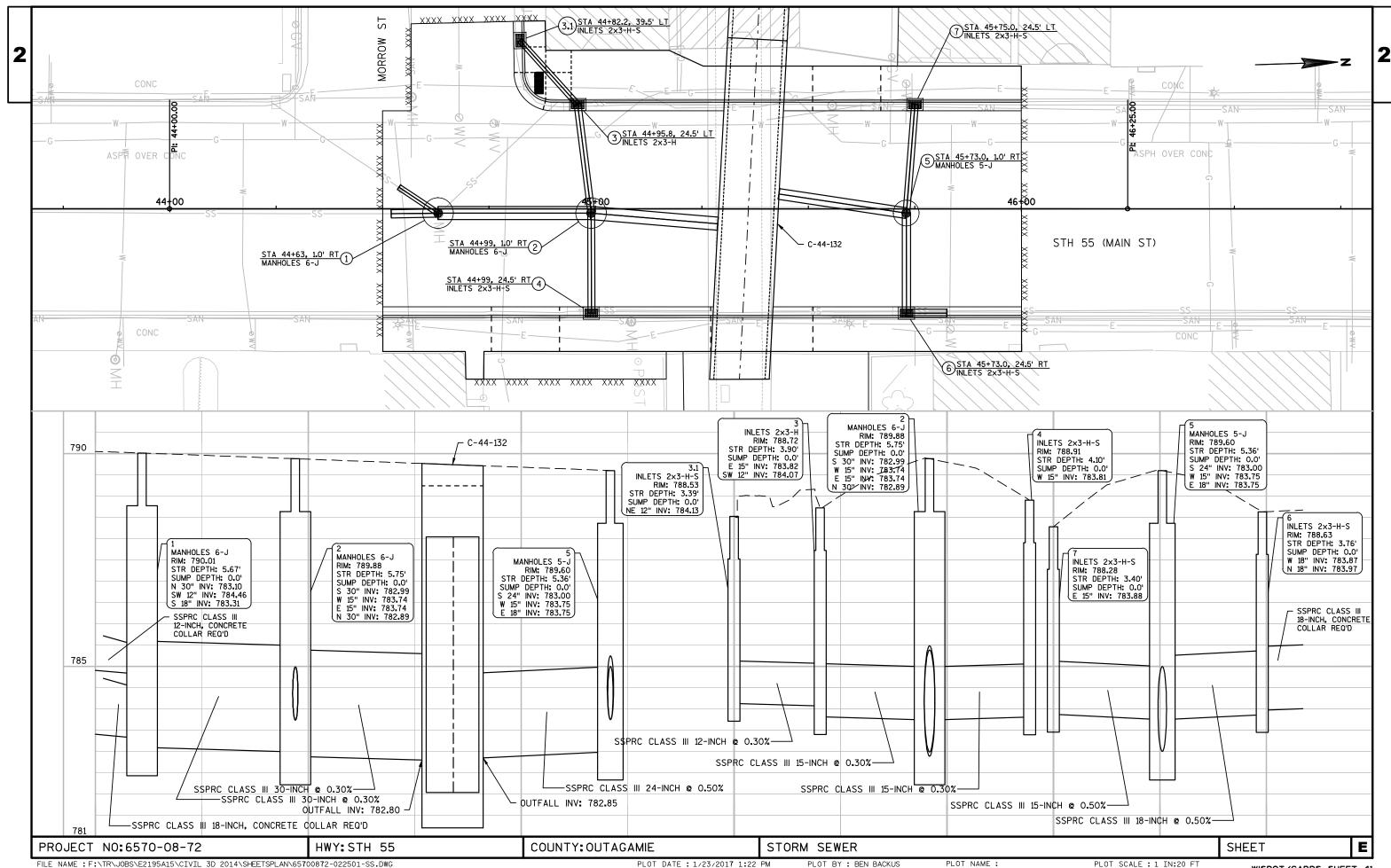
PLOT BY : BEN BACKUS

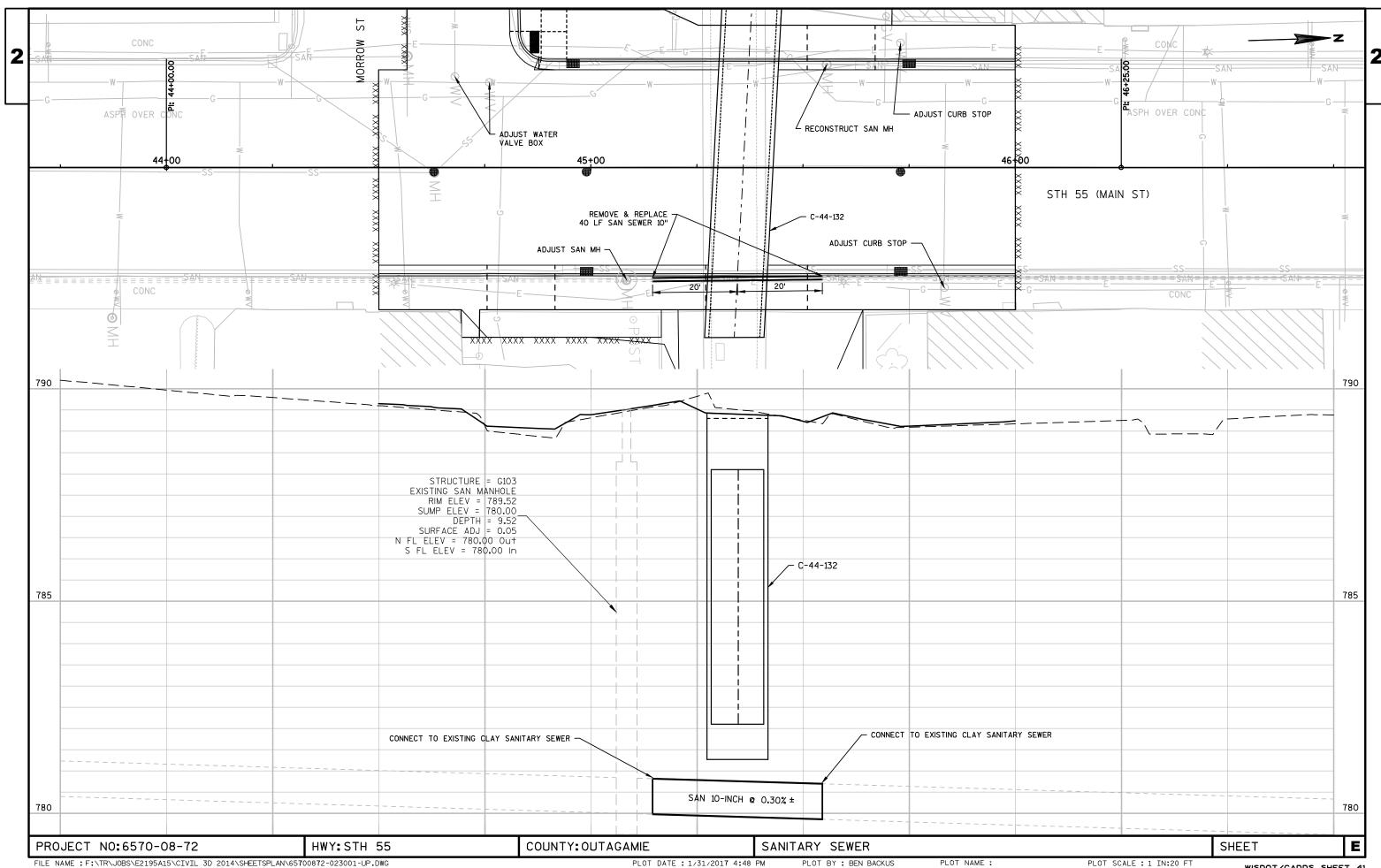


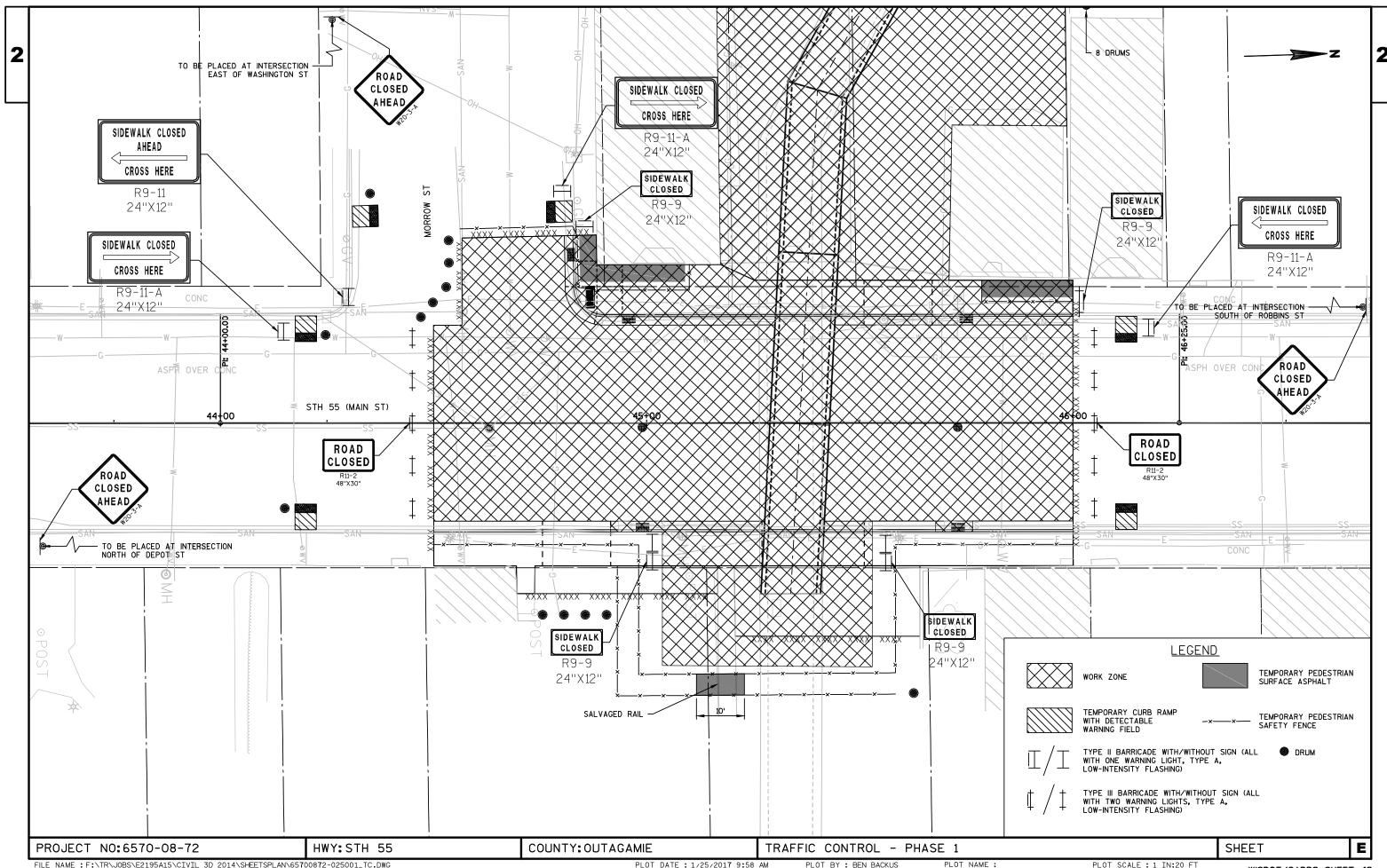


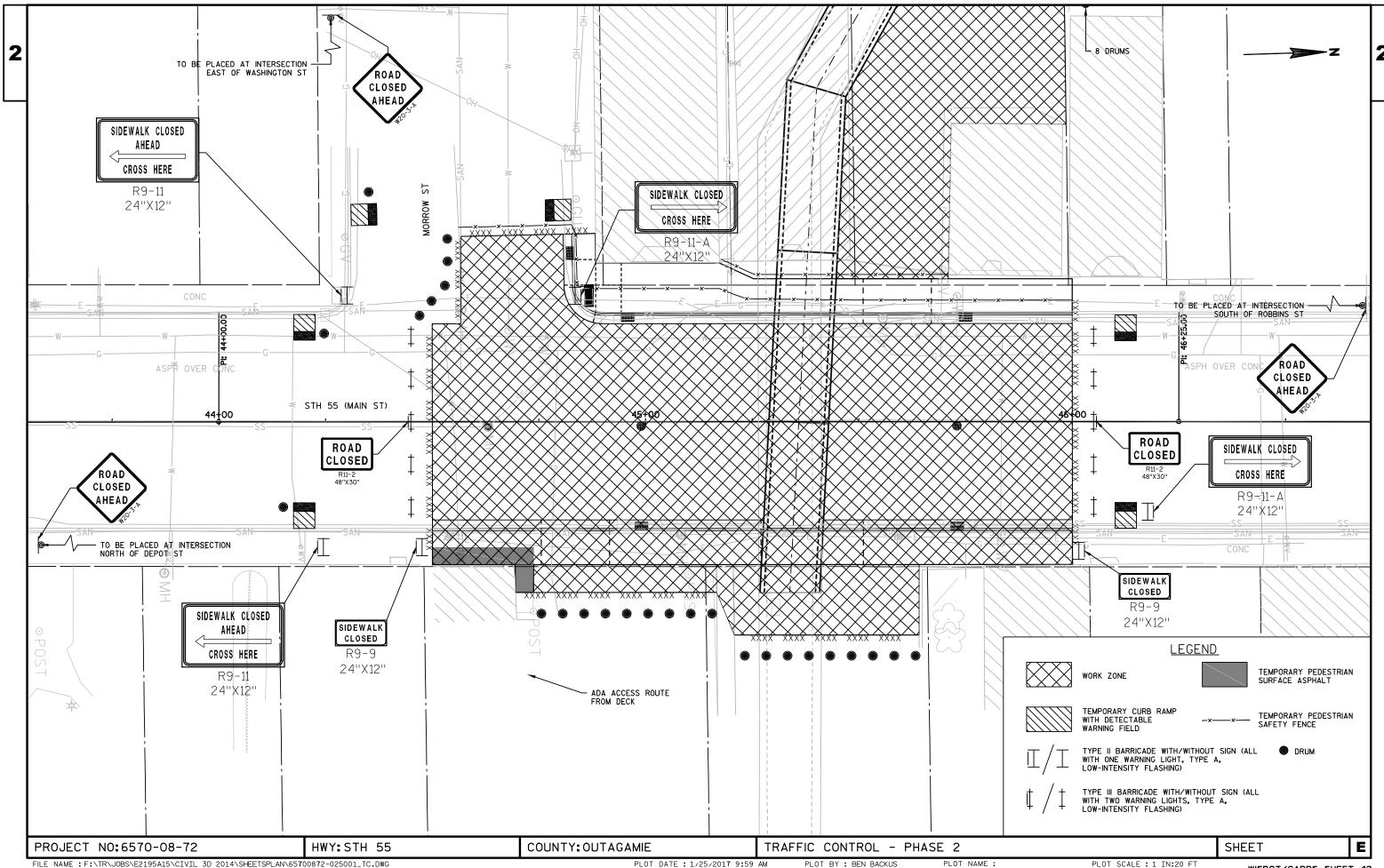


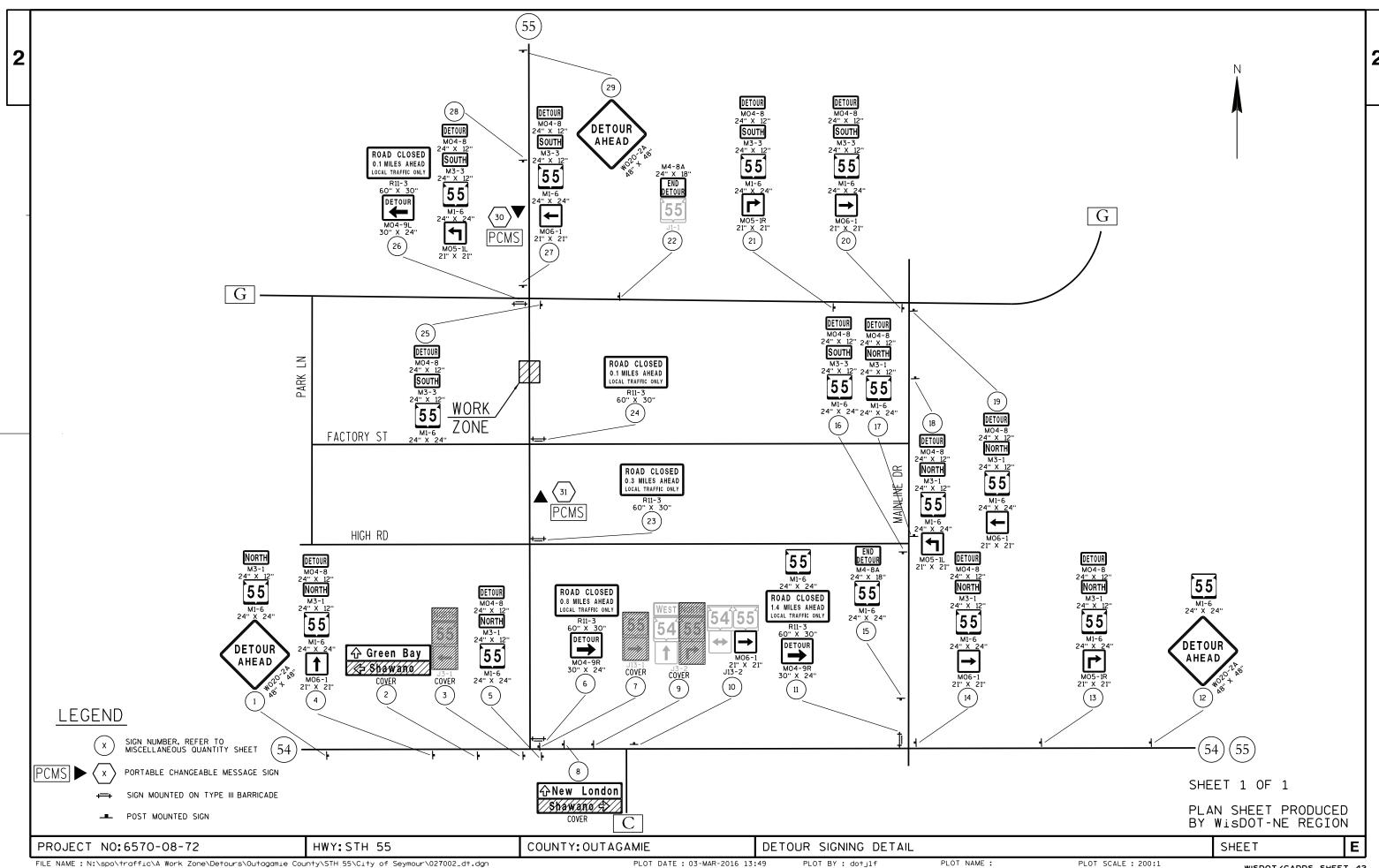












					6570-08-72	
Line	Item	Item Description	Unit	Total	Qty	
0010	201.0110	Clearing	SY	50.000	50.000	
0020	201.0210	Grubbing	SY	50.000	50.000	
0030	203.0500.S	Removing Old Structure Over Waterway (station) 01.	LS	1.000	1.000	
		STA 45+36				
0040	204.0100	Removing Pavement	SY	870.000	870.000	
0050	204.0150	Removing Curb & Gutter	LF	290.000	290.000	
0060	204.0155	Removing Concrete Sidewalk	SY	280.000	280.000	
0070	204.0210	Removing Manholes	EACH	1.000	1.000	
0800	204.0220	Removing Inlets	EACH	4.000	4.000	
0090	204.0235	Removing Buildings (parcel) 01. Parcel 1	LS	1.000	1.000	
0100	204.0240	Site Clearance (parcel) 01. Parcel 1	LS	1.000	1.000	
0110	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	135.000	135.000	
0120	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	85.000	85.000	
0130	205.0100	Excavation Common	CY	1,142.000	1,142.000	
0140	206.2000	Excavation for Structures Culverts (structure) 01. C-44-132	LS	1.000	1.000	
0150	209.2500	Backfill Granular Grade 2	TON	1,100.000	1,100.000	
0160	210.2500	Backfill Structure Type B	TON	640.000	640.000	
0170	213.0100	Finishing Roadway (project) 01. 6570-08-72	EACH	1.000	1.000	
0180	305.0110	Base Aggregate Dense 3/4-Inch	TON	50.000	50.000	
0190	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	750.000	750.000	
0200	312.0110	Select Crushed Material	TON	80.000	80.000	
0210	320.0145	Concrete Base 8-Inch	SY	770.000	770.000	
0220	416.0160	Concrete Driveway 6-Inch	SY	80.000	80.000	
0230	416.0610	Drilled Tie Bars	EACH	6.000	6.000	
0240	416.0620	Drilled Dowel Bars	EACH	64.000	64.000	
0250	450.4000	HMA Cold Weather Paving	TON	280.000	280.000	
0260	455.0605	Tack Coat	GAL	180.000	180.000	
0270	460.2000	Incentive Density HMA Pavement	DOL	180.000	180.000	
0280	460.5224	HMA Pavement 4 LT 58-28 S	TON	190.000	190.000	
0290	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	90.000	90.000	
0300	502.3200	Protective Surface Treatment	SY	235.000	235.000	
0310	504.0100	Concrete Masonry Culverts	CY	261.000	261.000	
0320	505.0400	Bar Steel Reinforcement HS Structures	LB	12,990.000	12,990.000	
0330	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	18,150.000	18,150.000	
0340	511.1100	Temporary Shoring	SF	1,088.000	1,088.000	
0350	513.8011	Railing Steel Pedestrian Type C2 (structure) 01. C-44- 132	LF	34.000	34.000	
0360	516.0500	Rubberized Membrane Waterproofing	SY	76.000	76.000	
0360	520.8000	Concrete Collars for Pipe	EACH		3.000	
0370	520.6000	Concrete Collars for Pipe	EAUT	3.000	3.000	

					6570-08-72
Line	Item	Item Description	Unit	Total	Qty
0380	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	20.000	20.000
0390	602.0410	Concrete Sidewalk 5-Inch	SF	1,450.000	1,450.000
0400	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	10.000	10.000
0410	606.0200	Riprap Medium	CY	50.000	50.000
0420	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	32.000	32.000
0430	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	74.000	74.000
0440	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18- Inch	LF	47.000	47.000
0450	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	37.000	37.000
0460	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	73.000	73.000
0470	611.0530	Manhole Covers Type J	EACH	3.000	3.000
0480	611.0624	Inlet Covers Type H	EACH	1.000	1.000
0490	611.0639	Inlet Covers Type H-S	EACH	4.000	4.000
0500	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0510	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0520	611.3230	Inlets 2x3-FT	EACH	5.000	5.000
0530	614.0920	Salvaged Rail	LF	25.000	25.000
0540	619.1000	Mobilization	EACH	1.000	1.000
0550	624.0100	Water	MGAL	10.000	10.000
0560	625.0100	Topsoil	SY	500.000	500.000
0570	627.0200	Mulching	SY	300.000	300.000
0580	628.1104	Erosion Bales	EACH	25.000	25.000
0590	628.1504	Silt Fence	LF	350.000	350.000
0600	628.1520	Silt Fence Maintenance	LF	350.000	350.000
0610	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0620	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0630	628.2008	Erosion Mat Urban Class I Type B	SY	210.000	210.000
0640	628.7015	Inlet Protection Type C	EACH	6.000	6.000
0650	629.0210	Fertilizer Type B	CWT	0.400	0.400
0660	630.0140	Seeding Mixture No. 40 **P**	LB	10.000	10.000
0670	630.0200	Seeding Temporary	LB	8.000	8.000
0680	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	1.000	1.000
0690	638.2102	Moving Signs Type II **P**	EACH	1.000	1.000
0700	638.3000	Removing Small Sign Supports	EACH	1.000	1.000
0700	643.0100	Traffic Control (project) 01. 6570-08-72	EACH	1.000	1.000
0710	643.0300	Traffic Control Drums	DAY	2,560.000	2,560.000
0720	643.0410	Traffic Control Barricades Type II			580.000
0730	043.0410	Tranic Control barricades Type II	DAY	580.000	000.000

					6570-08-72
Line	Item	Item Description	Unit	Total	Qty
		·			
0740	643.0420	Traffic Control Warning Lights Type A	DAY	980.000	980.000
0750	643.0705	Traffic Control Warning Lights Type A	DAY	2,540.000	2,540.000
0760	643.0900	Traffic Control Signs	DAY	850.000	850.000
0770	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000
0780	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0790	643.2000	Traffic Control Detour (project) 01. 6570-08-72	EACH	1.000	1.000
0800	643.3000	Traffic Control Detour Signs	DAY	5,040.000	5,040.000
0810	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	475.000	475.000
0820	644.1601.S	Temporary Curb Ramp	EACH	6.000	6.000
0830	644.1616.S	Temporary Pedestrian Safety Fence	LF	550.000	550.000
0840	645.0105	Geotextile Type C	SY	370.000	370.000
0850	645.0120	Geotextile Type HR	SY	70.000	70.000
0860	646.0106	Pavement Marking Epoxy 4-Inch	LF	38.000	38.000
0870	647.0456	Pavement Marking Curb Epoxy	LF	80.000	80.000
0880	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	24.000	24.000
0890	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	100.000	100.000
0900	650.4000	Construction Staking Storm Sewer	EACH	8.000	8.000
0910	650.4500	Construction Staking Subgrade	LF	150.000	150.000
0920	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	260.000	260.000
0930	650.6500	Construction Staking Structure Layout (structure) 01. C-44-132	LS	1.000	1.000
0940	650.7000	Construction Staking Concrete Pavement	LF	150.000	150.000
0950	650.9910	Construction Staking Supplemental Control (project) 01. 6570-08-72	LS	1.000	1.000
0960	650.9920	Construction Staking Slope Stakes	LF	150.000	150.000
0970	690.0150	Sawing Asphalt	LF	240.000	240.000
0980	690.0250	Sawing Concrete	LF	310.000	310.000
0990	715.0502	Incentive Strength Concrete Structures	DOL	1,566.000	1,566.000
1000		-	LS	1.000	1.000
1010		Crack and Damage Survey 01. Parcel 1	LS	1.000	1.000
1020		Crack and Damage Survey 02. Parcel 2	LS	1.000	1.000
1030	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	350.000	350.000
1040	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
1050	SPV.0060	Special 01. Adjusting Sanitary Manhole Cover	EACH	1.000	1.000
1060	SPV.0060	Special 01. Adjusting Samilary Marinole Cover	EACH	2.000	2.000
1070	SPV.0060	Special 03. Adjusting Water Service Curb Stop	EACH	2.000	2.000
1070	SPV.0060	Special 04. Adjusting Water Valve Box	EACH	2.000	2.000
1090	SPV.0060	Special 04. Adjusting water valve Box Special 05. In Culvert Boulder Assembly	EACH	3.000	3.000
1100		•			
	SPV.0060	Special 06. Reconstructing Sanitary Manhole	EACH	1.000	1.000
1110	SPV.0090	Special 01. Concrete Curb & Gutter 30-Inch Type A	LF	240.000	240.000

03/15/2017 17:18:54

Estimate Of Quantities	Page	4
6570-08-72		

Line	Item	Item Description	Unit	Total	Qty
		Special			
1120	SPV.0090	Special 02. Sanitary Sewer Pipe 10-Inch	LF	40.000	40.000

EARTHWORK SUMMARY

Location	From/To Station	Common Excavation (1) Cut (2)	(item # 205.0100) EBS Excavation (3)	Salvaged/Un usable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (9)	Expanded EBS Backfill (11) Factor	Unexpanded Fill	Expanded Fill (13) Factor	Mass Ordinate +/- (14)	Waste	Comment:
Category 0010		343 (2)	(-)			0.80	1.30		1.25			
STH 55	44+50/46+00	535	0	280	255	0	0	0	0	255	255	
STH 55	44+98/45+26	0	210	0	0	168	273	0	0	273	273	
STH 55	45+46/45+74	0	210	0	0	168	273	0	0	273	273	
West Lot	Back of SW to SI	187	0	40	147	0	0	14	18	130	130	
Grand Total		722	420	320	402	336	546	14	18	931	931	

- 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- 2) Salvaged/Unsuable Pavement Material is included in Cut
- 3) EBS Excavation to be backfilled with Backfill Granular Grade 2
- 4) Salvaged/Unusable Pavement Material
- 5) Available Material = Cut Salvaged/Unusuable Pavement Material
- 9) Reduced EBS in Fill Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
- 11) Expanded EBS Backfill This is to be filled with Backfill Granular Grade 2. EBS Backfill Factor = 1.3. Item number 209.2500
- 13) Expanded Fill. Factor = 1.25
- 14) The Mass Ordinate + or Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

CLEARING AND GRUBBING

				201.0110	201.0210				
				CLEARING	GRUBBING				
STATION	то	STATION	LOCATION	SY	SY				
CATEGORY 0010									
45+50	ı	46+00	STH 55	50	50				
			PROJECT TOTALS	50	50				

REMOVING PAVEMENT

				204.0100				
STATION	то	STATION	LOCATION	SY				
CATEGORY	00	10						
44+50	-	46+00	STH 55	863				
	863							
ROUNDED TOTAL 870								

REMOVING CURB & GUTTER

					204.0150					
					REMOVING					
					CURB & GUTTER					
STATION	то	STATION	DIRECTION	LOCATION	LF					
CATEGORY C	CATEGORY 0010									
44+50	-	46+00	LT & RT	STH 55	265					
	-		LT	MORROW ST	19					

PROJECT TOTAL 284 290 ROUNDED TOTAL

REMOVING CONCRETE SIDEWALK

				204.0155				
STATION	то	STATION	LOCATION	SY				
CATEGORY 0010								
44+50	-	46+00	STH 55	274				
				274				

PROJECT TOTAL 274 ROUNDED TOTAL 280

REMOVING STORM SEWER STRUCTURES

				204.0210	204.0220			
				REMOVING	REMOVING			
				MANHOLES	INLETS			
STATION	DIST.	DIR.	LOCATION	EACH	EACH			
CATEGORY 0	CATEGORY 0010							
44+63	1	RT	STH 55	1				
44+91	24	LT	STH 55		1			
44+95	24	RT	STH 55		1			
45+64	24	LT	STH 55		1			
45+71	24	RT	STH 55		1			
43+/1	24	ΚI	21H 33		Δ.			

PROJECT TOTALS

REMOVING STORM SEWER

			204.0245.02	204.0245.04
			12-INCH*	18-INCH*
STATION TO ST	ATION	LOCATION	LF	LF
CATEGORY 0010				
44+50 - 4	6+00	STH 55	135	85
		•		

PROJECT TOTALS

*SIZES ARE APPROXIMATE

BASE AGGREGATE DENSE AND WATER

				305.0110	305.0120	624.0100
				BASE	BASE	
				AGGREGATE	AGGREGATE	
				DENSE 3/4-INCH	DENSE 1 1/4-INCH	WATER
STATION	TO	STATION	LOCATION	TON	TON	MGAL
CATEGORY	0010					
44+50	-	46+00	STH 55	0	296	2
	-		MORROW ST	0	51	1
	-		DRIVEWAYS	0	25	1
	-		SIDEWALK	29	0	1
	-		PARKING LOT NE	0	57	1
	-		PARKING LOT SE	0	23	1
	-		PARKING LOT NW	0	233	2
			UNDISTRIBUTED	21	65	1

PROJECT TOTALS

BACKFILL GRANULAR

				209.2500
STATION	TO	STATION	LOCATION	GRADE 2 TON
CATEGORY				
44+98	ı	45+74	STH 55	1,092
	1.092			

ROUNDED TOTAL 1,100

SELECT CRUSHED MATERIAL

135

85

			312.0110*					
STATION	TO STATION	LOCATION	TON					
CATEGORY	CATEGORY 0010							
		BOX CULVERT	80					

PROJECT TOTAL

* SEE DETAIL "EXCAVATION PROTECTION AT BOX CULVERTS"

CONCRETE BASE

		320.0145	416.0610	416.0620
		320.0113	110.0010	110.0020
		CONCRETE		DRILLED
		DACE	DDTLLED	DOWE!
		BASE	DRILLED	DOWEL
		8-INCH	TIE BARS	BARS
				_
STATION TO STATION	LOCATION	SY	EACH	EACH
CATEGORY 0010				
44+50 - 46+00	STH 55	767	6	64
		7.57		6.4

PROJECT TOTALS 767 64 ROUNDED TOTALS 770

PROJECT NO: 6570-08-72 HWY: STH 55 **COUNTY: OUTAGAMIE** MISCELLANEOUS QUANTITIES SHEET

50

750

CONCRETE CURB AND GUTTER

					SPV.0090.01	601.0411
					30-INCH	
					TYPE A	30-INCH
					SPECIAL	TYPE D
STATION	то	STATION	DIR	LOCATION	LF	LF
CATEGORY	00)10				
44+50	-	45+28	RT	STH 55	78	
45+52	_	46+00	RT	STH 55	59	
44+85	_	45+30	LT	STH 55	46	
45+44	_	46+00	LT	STH 55	56	
	-		LT	MORROW ST		19
				PROJECT TOTALS	239	19

			416.0160
			6-INCH
STATION	LOCATION	DIR.	SY
CATEGORY C	010		
44+84	STH 55	RT	25
45+39	STH 55	RT	20
45+59	STH 55	LT	28
	DDOJECT TOTAL	•	72

PROJECT	TOTAL	73
ROUNDED	TOTAL	80

ASPHALTIC ITEMS

				455.0605	460.5224	465.0120	450.4000
						ASPHALTIC	
					HMA PAVEMENT	SURFACE	HMA COLD
				TACK	4 LT 58-28 S	DRIVEWAYS &	WEATHER
				COAT		FIELD ENTRANCES	PAVING
STATION	TO	STATION	LOCATION	GAL	TON	TON	TON
CATEGORY	00	10					
44+50	-	46+00	STH 55	107	176	0	176
	_		MORROW ST	8	13	0	13
	_		PARKING LOT NE	11	0	16	16
	-		PARKING LOT SE	4	0	6	6
	_		PARKING LOT NW	45	0	64	64
			PROJECT TOTALS	176	190	87	276
			ROUNDED TOTALS	180	190	90	280

CONCRETE SIDEWALK AND RAMPS

ROUNDED TOTALS

					602.0410	602.0515		
						CURB RAMP		
						DETECTABLE		
						WARNING		
					CONCRETE	FIELD		
					SIDEWALK	NATURAL		
					5-INCH	PATINA		
STATION	TO	STATION	DIR	LOCATION	SF	SF		
CATEGORY	CATEGORY 0010							
44+83	ı	46+00	LT	STH 55	759	10		
44+50	ı	46+00	RT	STH 55	688			

PROJECT TOTALS 1

PROJECT TOTALS 1,447 10

ROUNDED TOTALS 1,450 10

SANITARY SEWER & WATER

			SPV.0060.01	SPV.0060.02	SPV.0060.03	SPV.0060.04	SPV.0060.06	SPV.0090.02
			ADJUSTING	SANITARY	ADJUSTING	ADJUSTING	RECONSTRUCTING	SANITARY
			SANITARY	PIPE	WATER	WATER VALVE	SANITARY	SEWER PIPE
			MANHOLE	CONNECTION	SERVICE CURB	BOX	MANHOLE	10-INCH
			COVER	COMMECTION	STOP	Dox	104411022	10 111011
STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	EACH	LF
CATEGORY 0010								
44+68	21.4' LT	STH 55				1		
44+76	20.0' LT	STH 55				1		
45+08	26.5' RT	STH 55	1					
45+35	26.0' RT	STH 55		2				40
45+56	24.2' LT	STH 55					1	
45+73	29.3' LT	STH 55			1			
45+83	28.4' RT	STH 55			1			

PROJECT TOTALS 1 2 2

STORM SEWER STRUCTURES

240

20

					611.2005	611.2006	611.0530	611.3230	611.0624	611.0639
STRUCTURE NUMBER				STR TYPE	MANHOLES 5-FT	MANHOLES 6-FT	MANHOLE COVERS TYPE J	INLETS 2x3-FT	INLET COVERS TYPE H	INLET COVERS TYPE H-S
	STATION	DIST.	DIR		EACH	EACH	EACH	EACH	EACH	EACH
CATEGORY 00	CATEGORY 0010									
1.0	44+63	1.0	RT	MH		1	1	-	-	-
2.0	44+99	1.0	RT	MH		1	1		-	
3.0	44+96	24.5	LT	INL				1	1	
3.1	44+82	39.5	LT	INL				1		1
4.0	44+99	24.5	RT	INL				1		1
5.0	45+73	1.0	RT	MH	1		1			
6.0	45+73	24.5	RT	INL				1		1
7.0	45+75	24.5	LT	INL				1		1

STORM SEWER PIPE

1		608.0312	608.0315	608.0318	608.0324	608.0330	520.8000
!		REIN. CONC.	CONCRETE				
STRU	ICTURE	CLASS III	COLLARS				
		12-INCH	15-INCH	18-INCH	24-INCH	30-INCH	FOR PIPE
FROM	то	LF	LF	LF	LF	LF	EACH
CATEGORY 001	.0		_				
EXISTING	MH 1	12		12			2
MH 1	MH 2					36	
INL 3.1	INL 3	20					
INL 3	MH 2		26				
INL 4	MH 2		23				
MH 2	C-44-132					37	
EXISTING	INL 6			12			1
INL 6	MH 5			23			
INL 7	MH 5		25				
MH 5	C-44-132				37		
			•		•		

PROJECT TOTALS 32 74 47 37 73 3

PROJECT NO: 6570-08-72 HWY: STH 55 COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET E

3

EROSION	CONTROL	

				606.0200	645.0120	628.1104	628.1504	628.1520	628.1905	628.1910	628.7015
								SILT		MOBILIZATIONS	INLET
				RIPRAP	GEOTEXTILE	EROSION	SILT	FENCE	MOBILIZATIONS	EMERGENCY	PROTECTION
				MEDIUM	TYPE HR	BALES	FENCE	MAINT.	EROSION CONTROL	EROSION CONTROL	TYPE C
STATION	то	STATION	LOCATION	CY	SY	EACH	LF	LF	EACH	EACH	EA
CATEGORY	001	.0									
44+25	-	46+00	STH 55	50	70	20	50	50			6
	-		BOX CULVERT				350	350			
	UI	NDISTRIBUT	ED			5	50	50	2	1	
		PF	ROJECT TOTALS	50	70	25	450	450	2	1	6

PE	DESTRIAN	ACCOMM	IODA	TIONS	ji
			644	1410	<

					644.1410.S	644.1601.S	644.1616.S
					TEMPORARY		TEMPORARY
					PEDESTRIAN	TEMPORARY	PEDESTRIAN
					SURFACE	CURB RAMP	SAFETY
					ASPHALT		FENCE
STATION	T0	STATION	DIR	LOCATION	SF	EACH	LF
CATEGORY	00	10					
44+17	-	44+22	LT & RT	STH 55		2	
44+31	-	44+83	LT	STH 55		2	30
44+83	ı	46+00	LT	STH 55	275		200
44+50	ı	46+00	RT	STH 55	200		320
46+10	-	46+15	LT & RT	STH 55		2	

PROJECT TOTALS 475

1

690.0150

SAWING

ASPHALT

LF

53

43

44

46

45

6

1

690.0250

SAWING

CONCRETE

LF

64 119

67

53

550

LANDSCAPING

				625.0100	627.0200	628.2008	629.0210	630.0140	630.0200
						E-MAT			
						URBAN			
						CLASS I	FERTILIZER	SEEDING MIX	SEEDING
				TOPSOIL	MULCHING	TYPE B	TYPE B	NO. 40	TEMPORARY
STATION	TO	STATION	LOCATION	SY	SY	SY	CWT	LB	LB
CATEGORY (010	1							
45+47	_	46+00	STH 55	400	250	170	0.3	8	6
UNDISTRIBUTED			100	50	40	0.1	2	2	
			PROJECT TOTALS	500	300	210	0.4	10	8

MOVING SIGNS

STATION	LOCATION	DESCRIPTION	634.0812 POSTS TUBULAR STEEL 2"x2"x12'	638.2102 MOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS
STATION	LOCATION	DESCRIPTION	EACH	EACH	EACH
CATEGORY 0	010				
45+07, LT	STH 55	NO PARKING	1	1	1
					<u> </u>

PROJECT TOTALS

LOCATION

SAWING

DIR

PAVEMENT MARKING

			646.0106		647.0456	647.0766	647.0566	
						CROSSWALK	STOP LINE	
			EPOXY		CURB EPOXY	EPOXY	EPOXY	
			4-1	NCH		6-INCH 18-IN		
				(YELLOW)	(WHITE)	(YELLOW)	(WHITE)	(WHITE)
STATION	- :	STATION	LOCATION	LF	LF	LF	LF	LF
CATEGOR	Y 00	010						
44+50	ı	46+00	STH 55	38		80		
	ı		MORROW ST				100	24
			SUBTOTALS	38	0			

44+50	ı	44+50	LT & RT	STH 55
44+50	ı	46+00	LT & RT	SW AT BUILDINGS
44+74	ı	45+17	RT	PARKING LOT EAST
45+21	ı	45+64	RT	PARKING LOT EAST
46+00	ı	46+00	LT & RT	STH 55
	ı		LT	MORROW ST

STATION

STATION TO CATEGORY 0010

PROJECT TOTALS	231	302
ROUNDED TOTALS	240	310

SALVAGED RAIL

PROJECT TOTALS

			614.0920						
STATION	STATION DIR LOCATION								
CATEGORY	CATEGORY 0010								
45+16	STH 55	25							
PROJECT TOTAL 25									

CONSTRUCTION STAKING

								-		
							CATEGORY 0020			
				650.4000	650.4500	650.5500	650.6500	650.7000	650.9910	650.9920
				STORM		CURB, GUTTER &	STRUCTURE	CONCRETE	SUPPLEMENTAL	SLOPE
				SEWER	SUBGRADE	CURB AND GUTTER	LAYOUT	PAVEMENT	CONTROL	STAKES
STATION	T0	STATION	REFERENCE LINE	EACH	LF	LF	LS	LF	LS	LF
CATEGORY	0010									
44+50	-	46+00	STH 55	8	150	260	1	150		150
	_		PROJECT						1	
			PROJECT TOTALS	8	150	260	1	150	1	150

PROJECT NO: 6570-08-72 HWY: STH 55 COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET E

100

TRAFFIC CONTROL

		643.0300 APPROX.		643	.0410	643.0420*		643.0705*		643.0900		
							WARNING					
		SERVICE	ICE TRAFFIC		BARRICADES		BARRICADES		LIGHTS		SIGNS	
		PERIOD	CON	ITROL	TYP	TYPE II T		TYPE III		TYPE A		
		70	DR	UMS								
PHASE	LOCATION	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS
CATEGORY	0010											
	STH 55	40	2	80	7	280	10	400	27	1080	9	360
	MORROW ST	40	6	240	3	120	-		3	120	4	160
1	EAST PARKING LOT	40	5	200			-					
	WEST PARKING LOT	40	8	320								
	UNDISTRIBUTED	40	10	400								
	STH 55	30	2	60	4	120	10	300	24	720	8	240
2	MORROW ST	30	6	180	2	60			2	60	3	90
	EAST PARKING LOT	30	18	540			-					
	WEST PARKING LOT	30	8	240			-					
	UNDISTRIBUTED	30	10	300			-					

2,560

580

700

1,980

850

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

PROJECT NO: 6570-08-72 HWY: STH 55 COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET E 3

TOTALS

TRAFFIC CONTROL DETOUR SIGN SUMMARY

<i>i</i>						643.3000	643.0420*	643.0705*	643.1050		643.0920	
<i>i</i>					APPROX.	DETOUR	BARRICADES	WARNING	SIGNS		COVERING	
ı				NUMBER	SERVICE	SIGNS	TYPE III	LIGHTS	PORTABLE		SIGNS	
ı				IN	PERIOD			TYPE A	CHANGEABLE	NO OF	TYPE II	
SIGN		SIGN	SIZE	SERVICE	70				MESSAGE	CYCLES		
NO.	LOCATION	CODE	WXH		DAYS	DAYS	DAYS	DAYS	DAYS		EACH	REMARKS
1	STH 54, PLACE 1500' PRIOR TO STH 55 INTERSECTION	м 3-1	24"x12"	1	70	70						
	II	м 1-6	24"x24"	1	70	70						55
	II	WO 20-2A	48"x48"	1	70	70						
2	STH 54, COVER EXISTING D1-2 AS SHOWN			1	70	70				1	1	COVER "SHAWANO"
3	STH 54, AT STH 55 INTERSECTION, COVER EXISTING J3-1 AS SHOWN			1	70	70				1	1	COVER "N 55 LT"
4	STH 54, PLACE 750' PRIOR TO STH 55 INTERSECTION	MO 4-8	24"x12"	1	30	70						
	II .	M 3-1	24"x12"	1	70	70						
ı	II .	м 1-6	24"x24"	1	70	70						55
	II .	MO 6-1	21"x21"	1	70	70						
5	STH 54/55, PLACE NEXT TO EXISTING J1-2 REASSURANCE SIGN	MO 4-8	24"x12"	1	70	70			ļ ļ			
	II .	м 3-1	24"x12"	1	70	70						
	II .	м 1-6	24"x24"	1	70	70						
6	STH 55, PLACE IN TERRACE OF NE QUADRANT OF STH 54 INTERSECTION	R 11-3	60"x30"	1	70	70	70	140				0.8 MILES
,	"	MO 4-9R	30"x24"	1	70	70						
7	STH 54/55, AT 54/55 INTERSECTION, COVER EXISTING J13-1 AS SHOWN			1	70	70				1	1	COVER "55 RT"
8	STH 54/55, COVER EXISTING D1-2 AS SHOWN			1	70	70				1	1	COVER "SHAWANO"
9	STH 54/55, COVER EXISTING J3-2 AS SHOWN			1	70	70				1	1	COVER "N 55 ADV RT"
10	STH 54/55, AT CTH C INTERSECTION, COVER EXISTING J13-2 AS SHOWN	MO 6-1	21"x21"	1	70	70						
11	STH 54/55, AT MAINLINE DR PLACE IN NW QUADRANT ON SHOULDER	M 1-6	24"x24"	1	70	70	70	140				55
ı	"	R 11-3	60"x30"	1	70	70						
\downarrow	" 4501	MO 4-9R	30"x24"	1	70	70			-			
12	STH 54/55, PLACE 1500' FROM MAINLINE DR	M 1-6	24"x24"	1	70	70			-			55
$\left -\frac{1}{2} \right $	"	WO 20-2A	48"x48"	1	70	70						
13	STH 54/55, PLACE 750' FROM MAINLINE DR	MO 4-8	24"x12"	1	70	70						
-		M 3-1	24"x12"	1	70	70						
,	"	M 1-6	24"x24"	1 1	70	70						55
14	CTU FA/FF DI ACE FOL EDON MATHETIE DE	MO 5-1R	21"x21"	1 1	70	70 70						
14	STH 54/55, PLACE 50' FROM MAINLINE DR	MO 4-8	24"x12" 24"x12"	1 1	70	70 70						
.	II .	M 3-1	24 X12 24"X24"	1	70	70 70			+			55
	II	M 1-6 MO 6-1	24 x24 21"x21"	1 1	70 70	70			+			
15	MATNUTNE DD. DLACE 2501 FDOM CTU 54/55	MO 4-8A	21 x21 24"x18"	1	70	70						RIGHT
1 13	MAINLINE DR, PLACE 250' FROM STH 54/55	MU 4-8A M 1-6	24 X16 24"x24"	1	70	70	+		+		+	55
16	MAINLINE DR, PLACE 100' S. OF HIGH RD	MO 4-8	24 x24 24"x12"	1	70	70 70			+ +		+	
10	II III	MO 4-8 M 3-1	24 X12 24"x12"	1	70	70	 		+ +		+ +	
	П	M 1-6	24 X12 24"x24"	1	70	70	+		+ +		+	55
17	MAINLINE DR, PLACE 100' N. OF HIGH RD	MO 4-8	24"x12"	1	70	70	 		+ +		+	, , , , , , , , , , , , , , , , , , ,
	II	M 3-1	24"x12"	1	70	70	 		+		+ +	
<u> </u>	п	M 1-6	24"x24"	1	70	70	 		† †			55
	PAGE SUBTOTALS		£ 1 X£7	39	, ,	2,730	140	280	0		5	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

PROJECT NUMBER: 6570-08-72 HWY: STH 55 COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET **E**

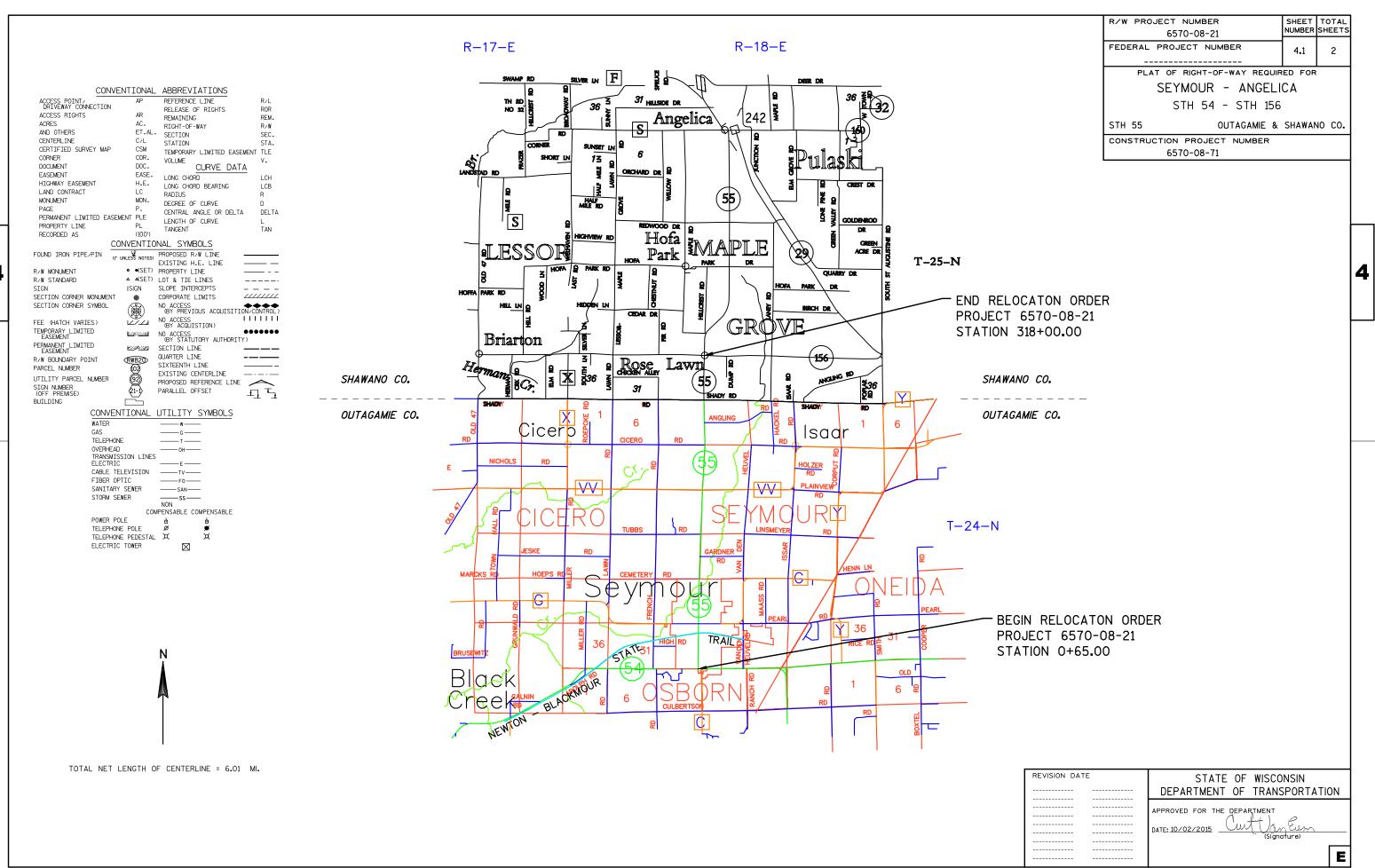
TRAFFIC CONTROL DETOUR SIGN SUMMARY

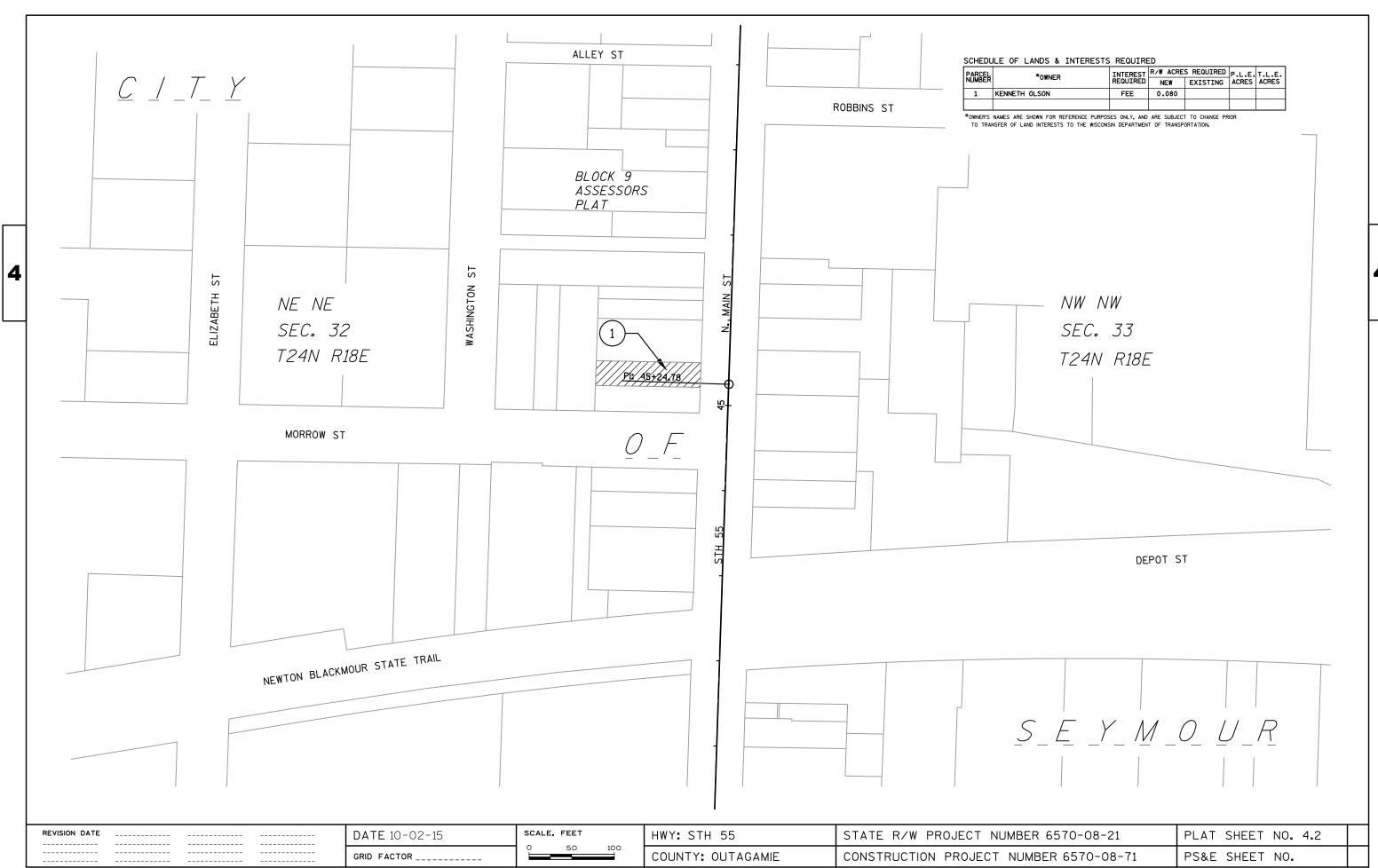
						643.3000	643.0420*	643.0705*			643.0920	
					APPROX.	DETOUR	BARRICADES	WARNING	SIGNS		COVERING	
				NUMBER	SERVICE	SIGNS	TYPE III	LIGHTS	PORTABLE	NO 05	SIGNS	
CTCN		STON	6775	IN	PERIOD			TYPE A	CHANGEABLE	NO OF	TYPE II	
SIGN	LOCATION	SIGN	SIZE	SERVICE		DAVC	DAVC	DAVC	MESSAGE	CYCLES	FACU	DEMARKS
NO.	LOCATION MATHEMATINE DR. PLACE 3501 C. OF STU C. THIERCESTION	CODE MO 4-8	W X H 24"x12"	1	DAYS	DAYS 70	DAYS	DAYS	DAYS		EACH	REMARKS
18	MAINLINE DR, PLACE 250' S. OF CTH G INTERSECTION		24 X12 24"X12"	1 1	70	70			+		+	
	II .	м 3-1 м 1-6	24 X12 24"X24"	1 1	70 70	70			+			55
	п	MO 5-1L	21"x21"	1	70	70						33
19	MAINLINE DR, PLACE TO RIGHT OF STOP SIGN AT CTH G INTERSECTION	MO 3-1L MO 4-8	24"x12"	1 1	70	70						
19	MAINLINE DR, PLACE TO RIGHT OF STOP SIGN AT CIT G INTERSECTION	M 3-1	24"x12"	1	70	70						
	п	M 1-6	24"x24"	1	70	70						55
	п	MO 6-1	21"x21"	1	70	70						LEFT
20	CTH G, PLACE 50' W. OF MAINLINE DR INTERSECTION	MO 4-8	24"x12"	1	70	70			 		+	LEFI
-	II	M 3-3	24"x12"	1	70	70			 		+	
	ıı .	M 1-6	24"x24"	1	70	70			 		† †	55
	II .	M0 6-1	21"x21"	1 1	70	70			 		†	RIGHT
21	CTH G, PLACE 250' W. OF MAINLINE DR INTERSECTION	MO 4-8	24"x12"	1 1	70	70						KIGH
	II	M 3-3	24"x12"	1	70	70						
	п	M 1-6	24"x24"	1	70	70						55
	п	MO 6-1	21"x21"	1	70	70						33
22	CTH G, MODIFY EXISTING J1-1 JCT SIGN AS SHOWN	MO 4-8A	24"x18"	1	70	70						
23	STH 55, AT HIGH RD INTERSECTION PLACED IN PARKING LANE	R 11-3	60"x30"	1	70	70	70	140				0.3 MILES
24	STH 55, AT FACTORY ST INTERSECTION PLACED IN PARKING LANE	R 11-3	60"x30"	1	70	70						0.1 MILES
25	CTH G, PLACE 100' E. OF STH 55 INTERSECTION	MO 4-8	24"x12"	1	70	70						
	, II	м 3-3	24"x12"	1	70	70						
	п	м 1-6	24"x24"	1	70	70						55
26	STH 55, AT CTH G INTERSECTION PLACED IN ROADWAY	R 11-3	60"x30"	1	70	70	70	140				0.1 MILES
	ıı ı	MO 4-9L	30"x24"	1	70	70						
27	STH 55, PLACE 50' N. OF CTH G INTERSECTION	MO 4-8	24"x12"	1	70	70						
	п	м 3-3	24"x12"	1	70	70						
	п	м 1-6	24"x24"	1	70	70						55
	п	MO 6-1	21"x21"	1	70	70						LEFT
28	STH 55, PLACE 750' N. OF CTH G INTERSECTION	MO 4-8	24"x12"	1	70	70						
	II .	м 3-3	24"x12"	1	70	70						
	п	м 1-6	24"x24"	1	70	70						55
	п	MO 5-1L	21"x21"	1	70	70						
29	STH 55, PLACE 1500' N. OF CTH G INTERSECTION	WO 20-2A	48"x48"	1	70	70						
30	STH 55, TO BE DETERMINED IN THE FIELD, FOR ADVANCED NOTIFICATION	PCMS							7			
31	STH 55, TO BE DETERMINED IN THE FIELD, FOR ADVANCED NOTIFICATION	PCMS							7			
	PAGE SUBTOTALS			33		2,310	140	280	14		0	
	PROJECT TOTALS			72		5,040	280	560	14		5	

^{*} ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

PLAN SHEET PRODUCED BY WisDOT - NE REGION

PROJECT NUMBER: 6570-08-72 HWY: STH 55 COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET **E**





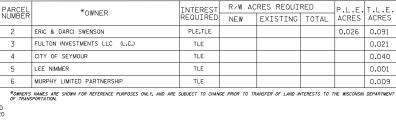
847286.855' 847328.805' 847333.802' 847334.116' 847364.131' 847257.950'

653520.539' 653798.348' 653798.183' 653807.691' 653807.649' 653811.651'

65384.3.43.1038
653843.1038
653845.1409
653872.7879
653872.7871
653872.5311
653871.2011
653871.2011
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Document #: 2078937
Date: 07-25-2016 Time: 11:21 AM
Pages: 1 Fee: \$25.00
County: OUTAGAMIE COUNTY Stat

Document #: 2078937



BEARING

NW NW

DISTANCE

SCHEDULE OF LANDS & INTERESTS REQUIRED

BEING PART OF LOTS 14, 15 AND 16 OF BLOCK 9 OF THE ASSESSOR'S PLAT OF THE CITY OF SEYMOUR, VOLUME 3 OF PLATS, PAGES 12 AND 13, INDEX NO. 85393, LOCATED WITHIN THE NE1/4 OF THE NE1/4 OF SECTION 32, AND ALSO, PART OF LOTS 11, 12 AND 22 OF BLOCK 17 OF THE ASSESSOR'S PLAT OF THE CITY OF SEYMOUR, VOLUME 3 OF PLATS, PAGES 12 AND 13, INDEX NO. 85393, LOCATED WITHIN THE NW1/4 OF THE NW1/4 OF SECTION 33, ALL LOCATED WITHIN T24N-R18E, CITY OF SEYMOUR, OUTAGAMIE COUNTY,

RELOCATION ORDER STH 55 OUTAGAMIE COUNTY SEYMOUR - ANGELICA TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RICHTS IN LANDS FOR THE ABOVE PROJECT.

REMOVES PARCEL 1 AND ADDS PARCEL 6 TO TRANSPORTATION PROJECT

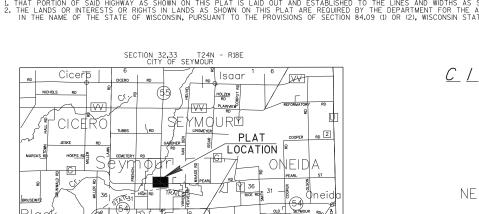
PLAT 6570-08-21-4.03, RECORDED AS DOCUMENT NO. 2078440.

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

HEREBY ORDERS THAT:

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

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



TRANSPORTATION PROJECT PLAT NO: 6570-08-21-4.03

EASEMENTS OF RECORD

Ĵrqel‱"

AMENDMENT NO. 1

PARCEL 2 MAY BE SUBJECT TO PARCEL 3 MAY BE SUBJECT TO UTILITY EASE COMMONWEALTH TEL. CO. & WISCONSIN MICHIGAN POWER CO. DOC NO 312672 INGRESS EGRESS EASE EASE ASSIGNMENT CENTURYTEL OF CENTRAL WI, LLC (BUYER) VERIZON NORTH INC. (SELLER) DOC NO 1385887 REVOCABLE OCCUPANCY PERMI FOR HIGHWAY R/W J 9016 IM 16 DOC NO 949935

REVOCABLE OCCUPANCY PERMIT FOR HIGHWAY R/W J 9016 MM 18 DOC NO 949936

PARCEL 4 MAY BE SUBJECT TO

SCALE, FEET 50

100

4

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OUTAGAMIE COUNTY, NAD83 (97) IN U.S. SURVEY FEET, VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

LOCATION SKETCH

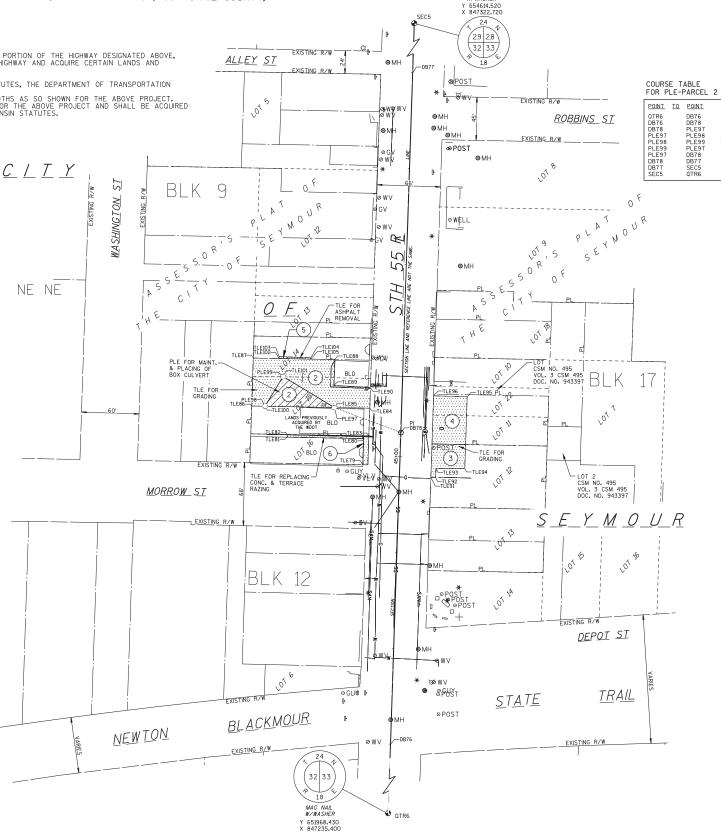
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES. THE REFERENCE LINE SHOWN ON THIS PLAT MAY NOT BE THE SAME AS THE REFERENCE LINE SHOWN ON THE CONSTRUCTION PLAN.



COURSE TABLE

POINT TO POINT

STH 55 REFERENCE LINE

DISTANCE

N 01°53'01" E N 01°51'13" E S 01°53'24" W

CONVENTIONAL ABBREVIATIONS AND SYMBOLS CORPORATE LIMITS ////

FROM STH 55 REFERENCE LINE

DB76
TLE91
TLE92
TLE94
TLE94
TLE81
TLE82
TLE82
TLE82
TLE88
TLE86
PLE98
TLE100
TLE86
TLE96
TLE97
TLE101
TLE96
TLE96
TLE95
TLE97
TLE101
TLE96
TLE98
TLE101
TLE88
TLE102
TLE88
TLE102
TLE88
TLE103
TLE88

CHORD BEARING CHORD DISTANCE EXISTING R/W DOCUMENT SIXTEENTH LINE EAST BOUND PROPOSED OR NEW R/W LINE -GAS VALVE PROPOSED EASEMENT LINE INLET MANHOLE MONUMENT BURIED GAS LINE NORTH BOUND PAGE BURIED ELECTRIC LINE ----E PRIVATE DRIVEWAY PROPERTY LINE RADIUS ACCESS RESTRICTED (By Acquisition) REFERENCE LINE REMAINING RIGHT OF WAY NO ACCESS
(By Statutory Authority) ACCESS RESTRICTED (By Previous Project/Control) FOUND IRON PIPE STATION TIE POINT LIMITED EASEMENT (Temporary or P FFF ACQUISITION VARIOUS HATCHING PARCEL NUMBER ADJOINING LANDS WITH SAME OWNER UTILITY PARCEL NUMBER BUILDING TO BE RAZED

SECTION CORNER

SET R/W MONUMENT W/CAP (1"x 24"IRON PIPE, 1.13 LBS/FT) TEMPORARY LIMITED EASEMENT TLE PERMANENT LIMITED EASEMENT SET P.K. NAIL

NON-COMPENSABLE

POWER POLE TELEPHONE POLE TELEPHONE PEDESTAL

WISCONSIN DEPARTMENT OF TRANSPORTATION , JEFFREY T. BOHRTZ, 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 THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND



PROPOSED R/W ROUNDARY POINT

SIGNATURE Jeffrey T. Bohoty DATE 7/22/2016
NAME JEFFREY T. BOHRTZ, PLS-2223

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION SIGNATURE Cut Ung Eum DATE 7/22/2016 NAME_CURT_VAN_EREM

847286.855' 847328.805' 847333.802' 847334.116' 847364.131' 847257.950'

847265.150'
847366.597'
847265.858'
847227.700'
847174.867'
847174.867'
847174.3.817'
847170.374'
847203.699'
8472203.699'
847203.699'
847309.958'

**OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT
OF TRANSPORTATION.

BEARING

NW NW

DISTANCE

Document #: 2078440 Date: 07-19-2016 Time: 02:06 PM Pages: 1 Fee: \$25.00 OUTAGAMIE COUNTY State: WI SARAH R VAN CAMP. REGISTER OF DEEDS This document has been electronically recorded and returned to:

653520.539' 653798.348'

653871.201 653871.201 653871.201 6538870.522 653882.391 653882.391 653893.994 653903.536 653903.536 653922.760 653922.767 653922.771

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 6570-08-21-4.03 AMENDMENT NO:

RELOCATION ORDER STH 55 OUTAGAMIE COUNTY SEYMOUR - ANGELICA TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT: A SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.

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BEING PART OF LOTS 14, 15 AND 16 OF BLOCK 9 OF THE ASSESSOR'S PLAT OF THE CITY OF SEYMOUR, VOLUME 3 OF PLATS, PAGES

12 AND 13, INDEX NO. 85393, LOCATED WITHIN THE NE1/4 OF THE NE1/4 OF SECTION 32, AND ALSO, PART OF LOTS 11, 12 AND 22

LOCATED WITHIN THE NW1/4 OF THE NW1/4 OF SECTION 33, ALL LOCATED WITHIN T24N-R18E, CITY OF SEYMOUR, OUTAGAMIE COUNTY,

OF BLOCK 17 OF THE ASSESSOR'S PLAT OF THE CITY OF SEYMOUR, VOLUME 3 OF PLATS, PAGES 12 AND 13, INDEX NO. 85393,

Cicert (33) HOLZER YMdur凼 PLAT LOCATION

TRANSPORTATION PROJECT PLAT NO: 6570-08-21-4.03

OLD SEYMOUR RD

LOCATION SKETCH

EASEMENTS OF RECORD PARCEL 2 MAY BE SUBJECT TO PARCEL 3 MAY BE SUBJECT TO PARCEL 4 MAY BE SUBJECT TO UTILITY EASE COMMONWEALTH T & WISCONSIN MIC DOC NO 312672 INGRESS EGRESS EASE DOC NO 1714462 EASE ASSIGNMENT CENTURYTEL OF CENTRAL WI, LLC VERIZON NORTH INC. (SELLER) DOC NO 1385887 REVOCABLE OCCUPANCY PERMIT FOR HIGHWAY R/W J 9016 IM 16 DOC NO 949935 REVOCABLE OCCUPANCY PERMIT FOR HIGHWAY R/W SCALE, FEET

4

mael##

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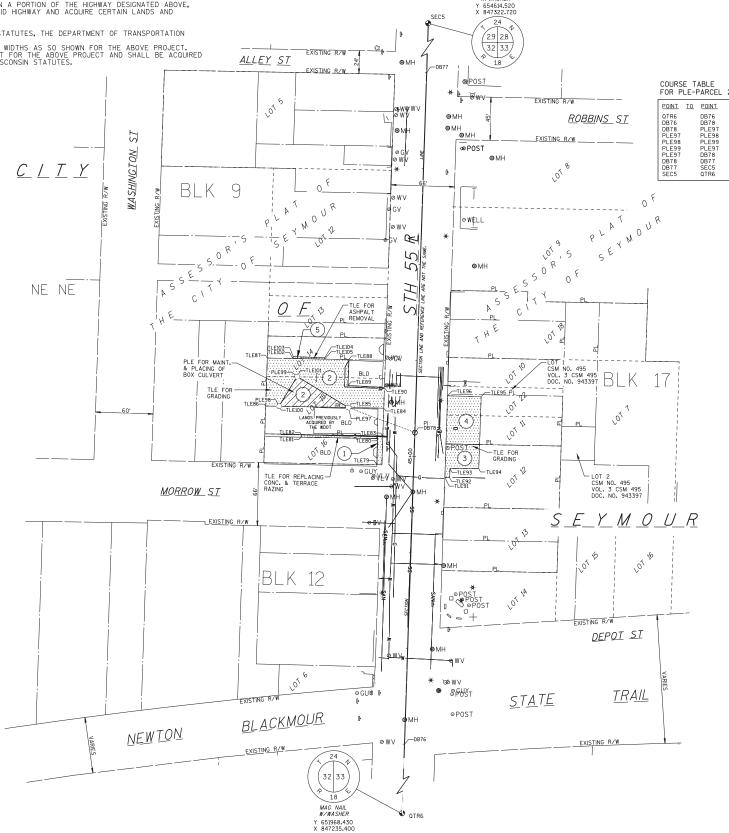
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COURSE TABLE

POINT TO POINT

STH 55 REFERENCE LINE

DISTANCE

MAG NAIL W/WASHER

BEARING

CONVENTIONAL ABBREVIATIONS AND SYMBOLS CORPORATE LIMITS ////

STATION/OFFSET TABLE FROM STH 55 REFERENCE LINE

TLE81
TLE82
TLE82
TLE82
TLE86
PLE98
TLE100
TLE85
TLE100
TLE85
TLE95
TLE95
TLE95
TLE90
TLE87
TLE101
TLE102
TLE105
TLE80
TLE103
DB77

CHORD BEARING CHORD DISTANCE EXISTING R/W DOCUMENT SIXTEENTH LINE EAST BOUND PROPOSED OR NEW R/W LINE -GAS VALVE PROPOSED EASEMENT LINE INLET MANHOLE MONUMENT BURIED GAS LINE NORTH BOUND PAGE BURIED ELECTRIC LINE ----E---PRIVATE DRIVEWAY RADIUS ACCESS RESTRICTED (By Acquisition) REFERENCE LINE REMAINING RIGHT OF WAY NO ACCESS
(By Statutory Authority) ACCESS RESTRICTED (By Previous Project/Control) FOUND IRON PIPE STATION TIE POINT LIMITED EASEMENT (Temporary or P FFF ACQUISITION VARIOUS HATCHING PARCEL NUMBER ADJOINING LANDS WITH SAME OWNER UTILITY PARCEL NUMBER BUILDING TO BE RAZED

SECTION CORNER

(1"x 24"IRON PIPE, 1.13 LBS/FT)

SET P.K. NAIL

SET R/W MONUMENT W/CAP

COMPENSABLE NON-COMPENSABLE

POWER POLE TELEPHONE POLE TELEPHONE PEDESTAL

TLE

WISCONSIN DEPARTMENT OF TRANSPORTATION JEFFREY T. BOHRTZ, 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 THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND

JEFFREY T. BOHRTZ S-2223 Freen Bay,

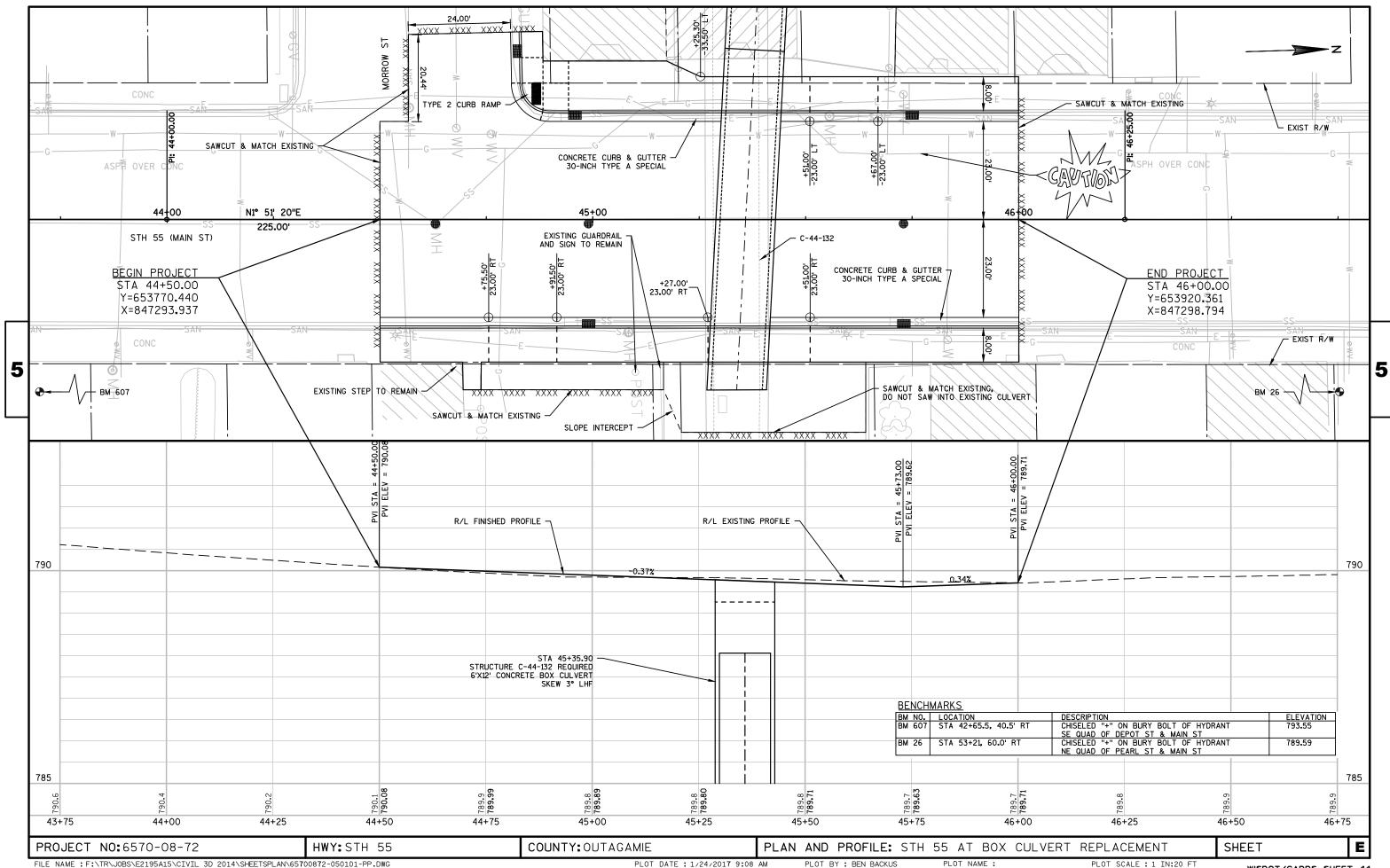
PROPOSED R/W BOUNDARY POINT

TEMPORARY LIMITED EASEMENT

PERMANENT LIMITED EASEMENT

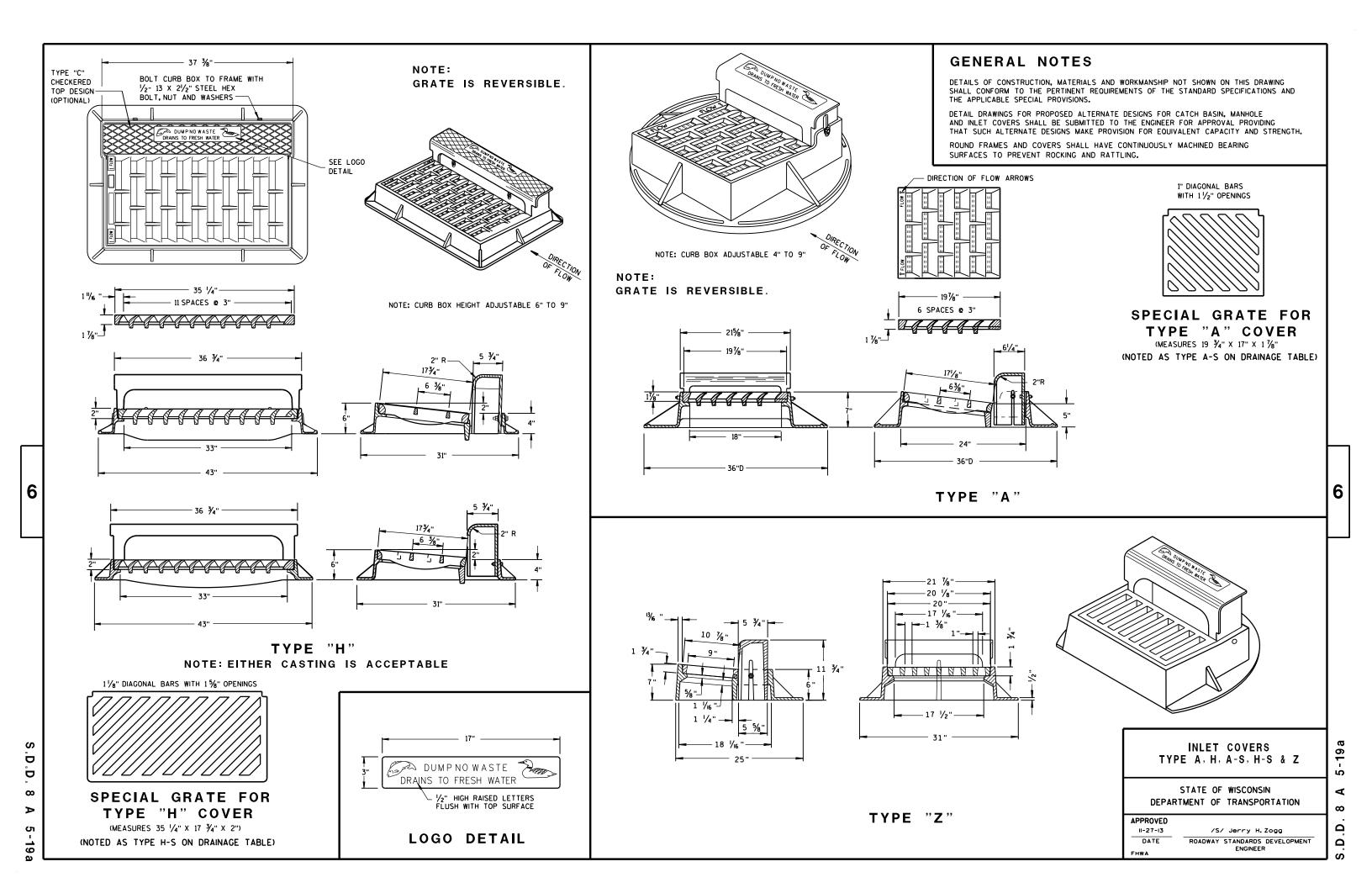
SIGNATURE Jeffray T. Bohts DATE 7/14/2016 NAME_JEFFREY_I._BOHRTZ._PLS-2223__

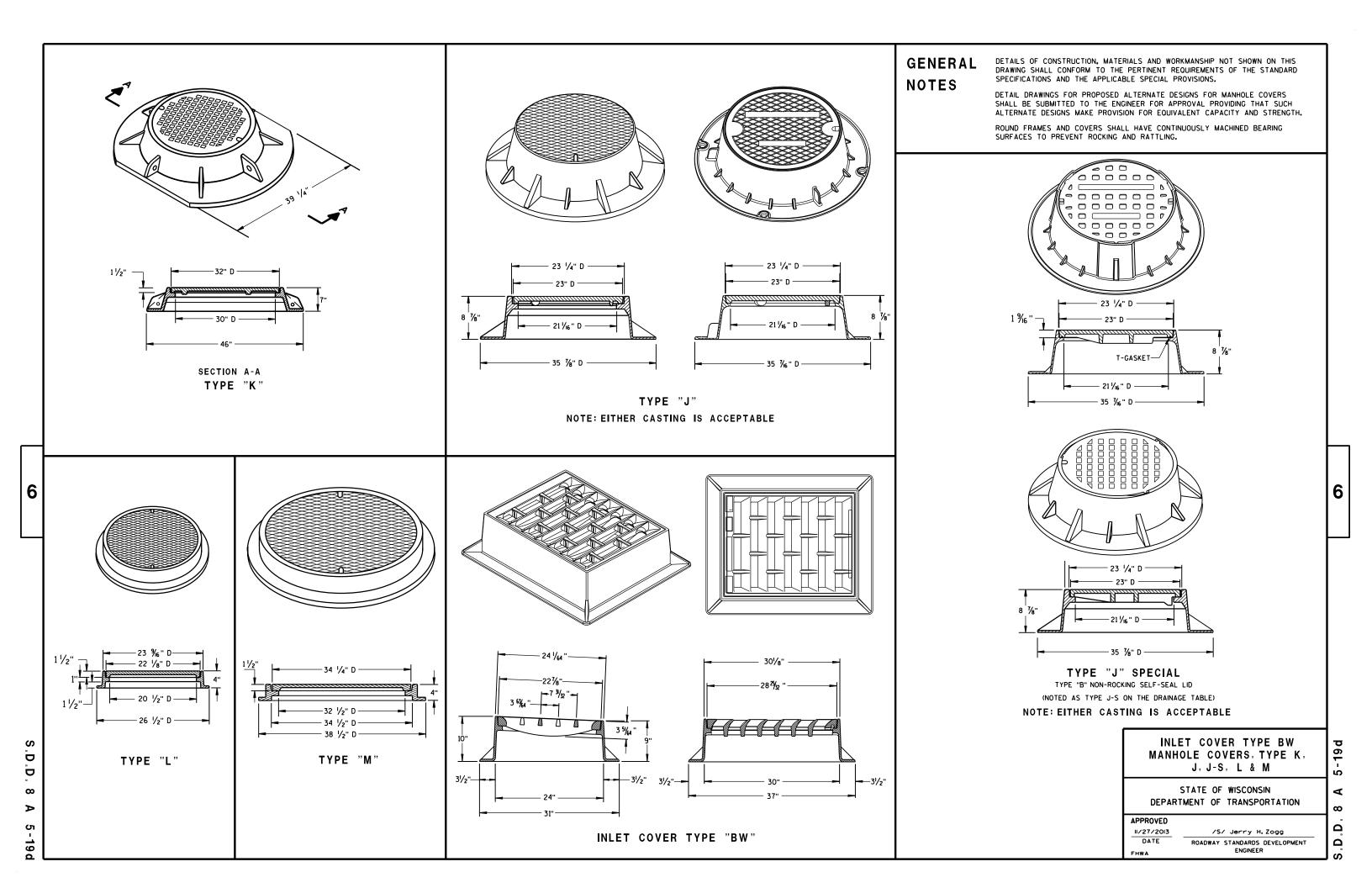
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION SIGNATURE Cutton Eum DATE 7/14/2016 NAME_CURT_VAN_EREM



Standard Detail Drawing List

08A05-19A 08A05-19D 08B09-02 08C07-02 08D01-19 08D05-18A 08D05-18B 08D05-18D 08D05-18B 08D05-18E 08E08-03 08E09-06 08E10-02 12A03-10 13C15-06A 13C15-06B 13C15-06B 13C18-04A 13C18-04B 13C18-04C 13C18-04D 15C02-06A 15C02-06B	CURB RAMPS TYPES 5, 6, 7A, 7B & 8 TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS SILT FENCE INLET PROTECTION TYPE A, B, C AND D NAME PLATE (STRUCTURES) CONCRETE BASE CONCRETE BASE CONCRETE PAVEMENT JOINTING CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TIES CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C 15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-17A	
15C33-02	
15C35-01A 15D30-03A	
13030-03A	TRAFFIC CONTROL, FEDESIRIAN ACCOMMODATION



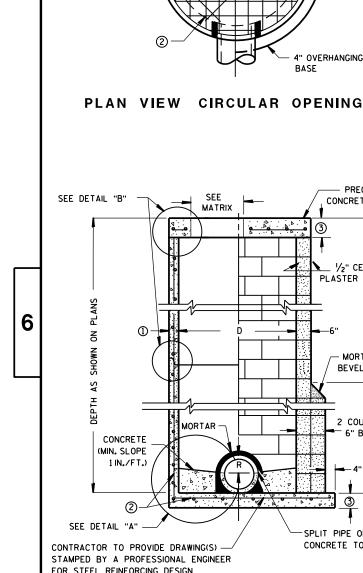


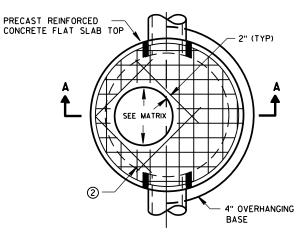


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SEE

MATRIX

SEE __ MATRIX **PRECAST** REINFORCED CONCRETE RISERS

OPTIONAL PRECAST REINFORCED CONCRETE **ECCENTRIC TOP**

PRECAST

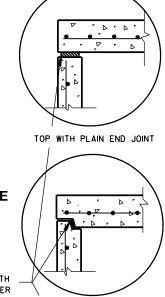
WALL

PRECAST REINFORCED

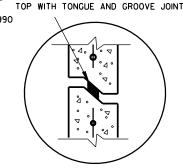
CONCRETE FLAT SLAB TOP

CONCRETE BASE 2

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

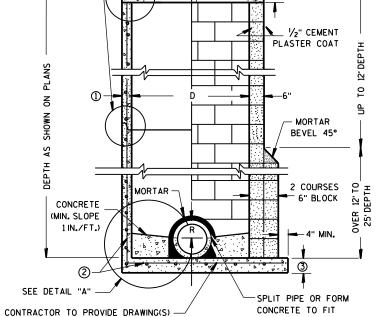


JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

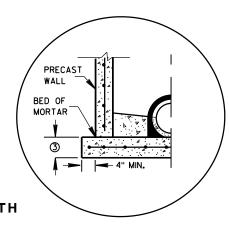


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B'



FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES PRECAST REINFORCED CONCRETE BLOCK WITH **CONCRETE WITH** CAST-IN-PLACE OR PRECAST REINFORCED MONOLITHIC BASE

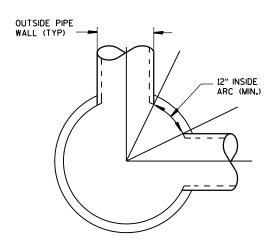


PRECAST REINFORCED

CONCRETE WITH INTEGRAL BASE OPTION

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER. THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES, FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

- MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT. 6 INCHES FOR 5-FT, 7 INCHES O MINIMUM WALL IHICKNESS SHALL DE 4 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.
- (2) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- (3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

MANHOLE COVER OPENING MATRIX

ĺ	MANHOLE COVER TYPE	С	ALL J'S	K	L	М
	OPENING SIZE (FT)					
	2 DIA.	×	х		Х	
ı	3 DIA.			Х		Х

PIPE MATRIX

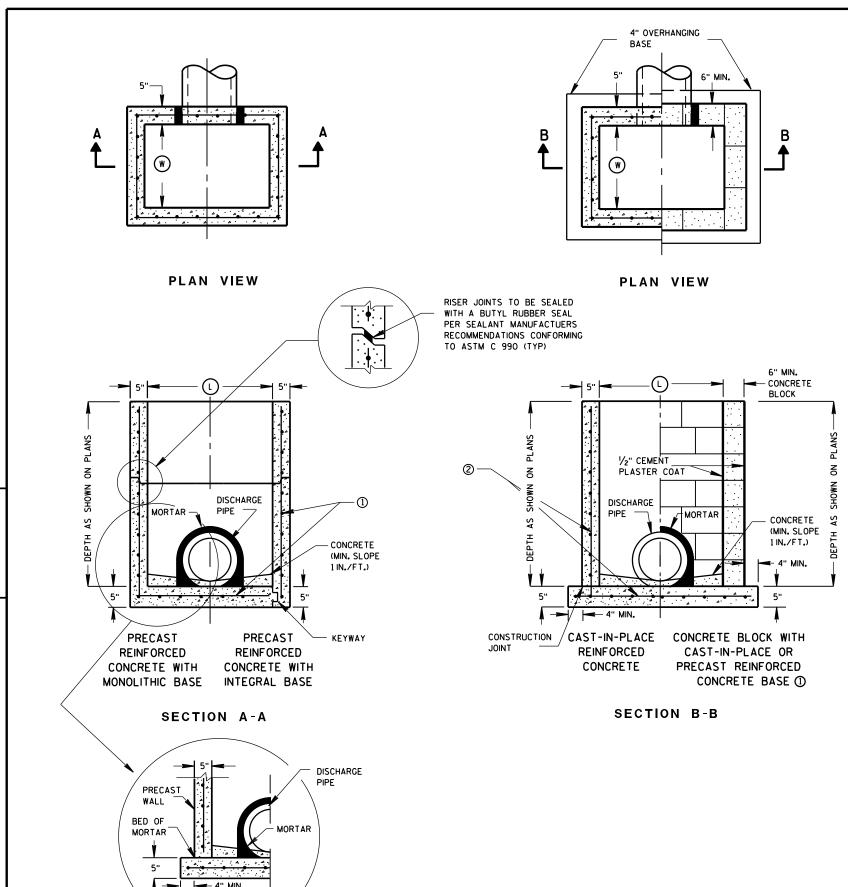
MANHOLE	MAXIMUM INSIDE PIF FOR TWO P	
SIZE	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT 7-FT AND 8-FT DIAMETER

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PPROVED	
Sept., 2016	/S/ Rodney Taylor
DATE	ROADWAY STANDARDS DEVE
	UNIT SUPERVISOR

ELOPMENT



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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.

OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

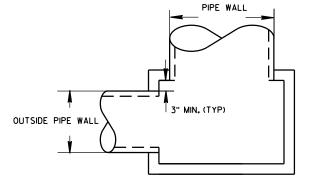
- ① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- ② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	Т	٧	WM
	WIDTH (V) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	х	х				Х		х	
2X2.5-FT	2	2.5			Х			Х	Х	Х	Х
2X3-FT	2	3					Х				
2.5X3-FT	2.5	3				Х					

PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER				
INLET SIZE	WIDTH (IN)	LENGTH (IN)			
2X2-FT	12	12			
2X2.5-FT	12	18			
2X3-FT	12	24			
2.5X3-FT	18	24			



DETAIL "A"

OUTSIDE

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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APPROVED

Sept., 2016

DATE

ROADWAY STANDARDS DEVELOPMENT

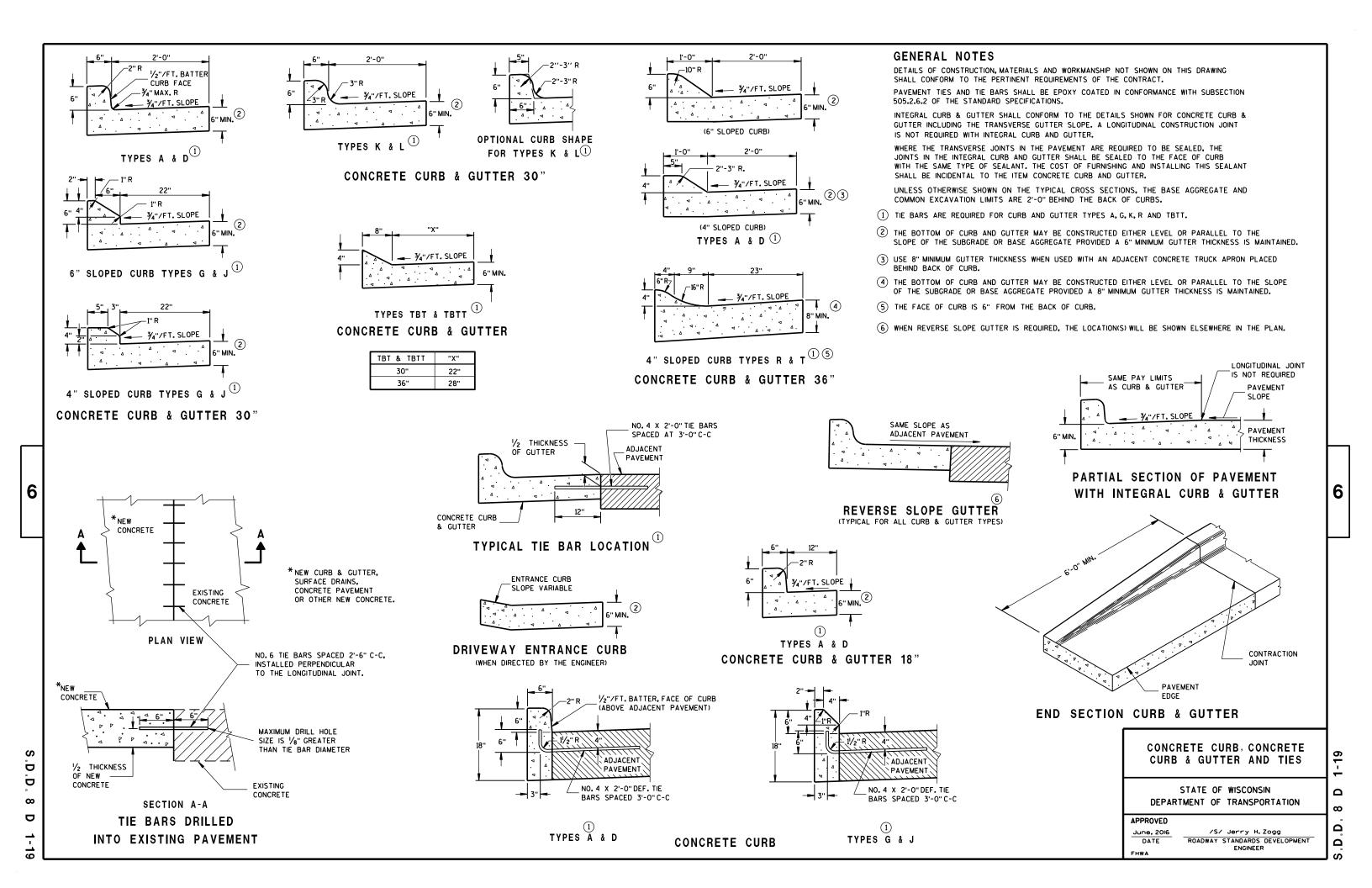
UNIT SUPERVISOR

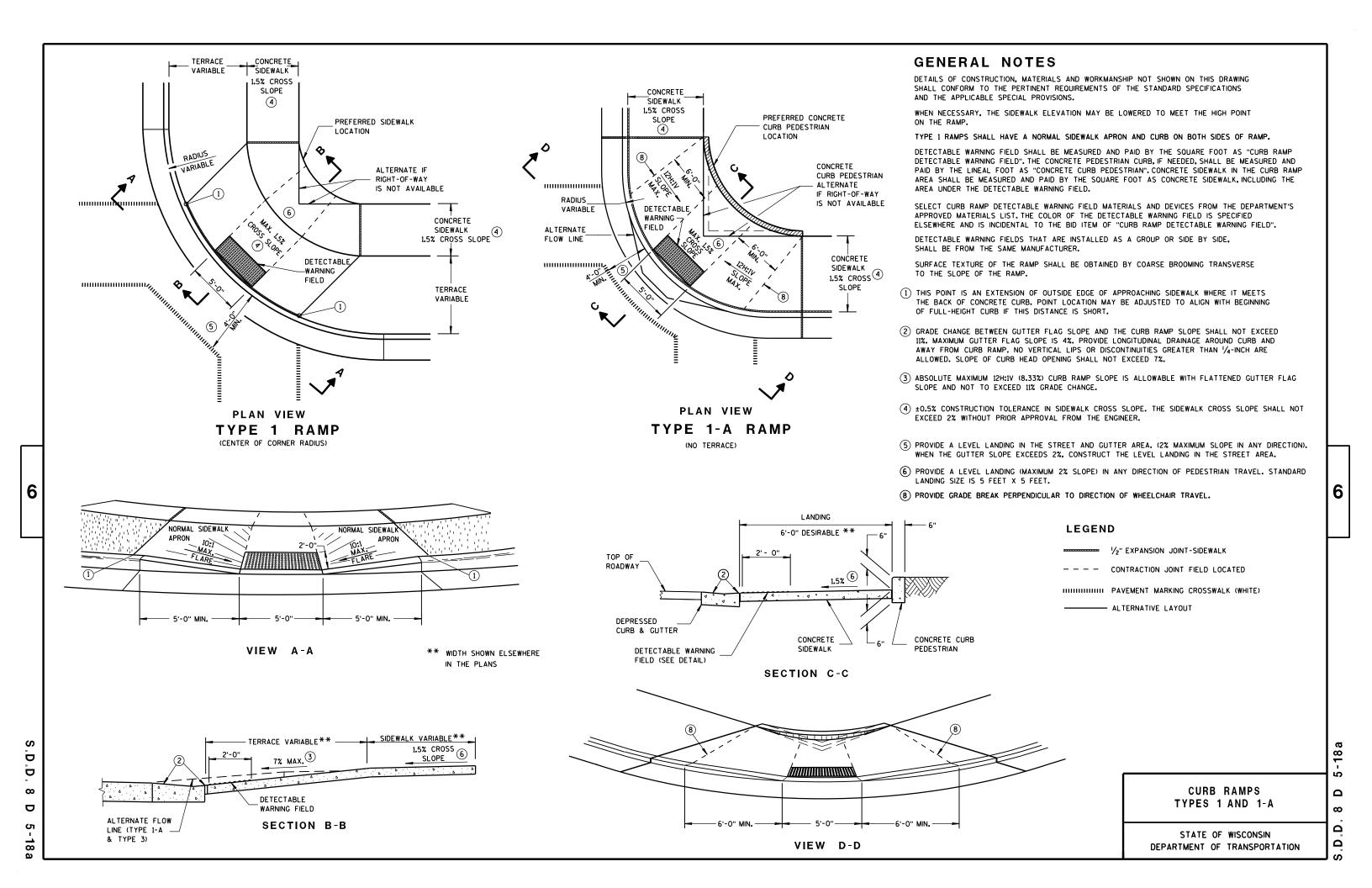
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

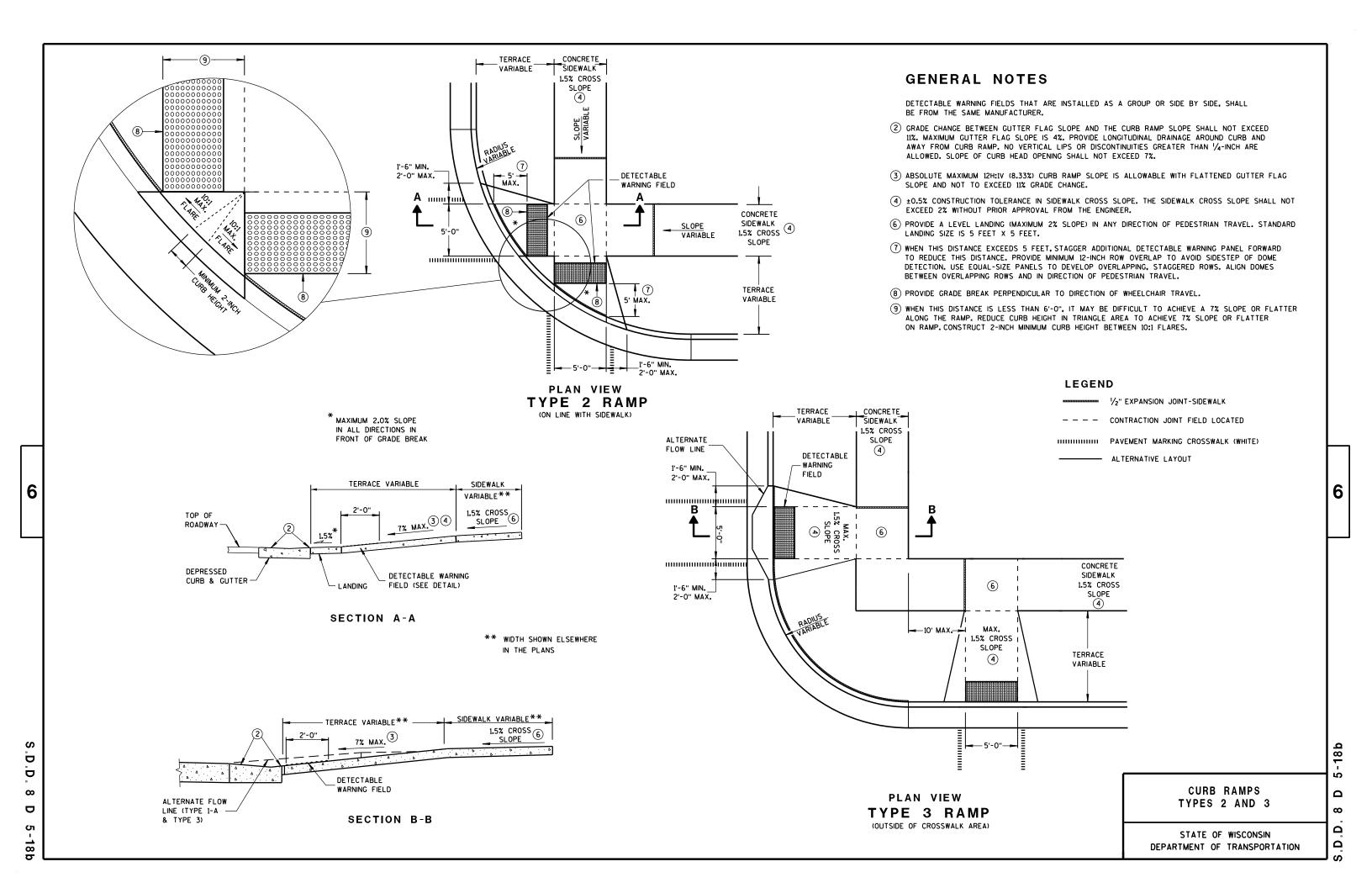
S.D.D. 8 C

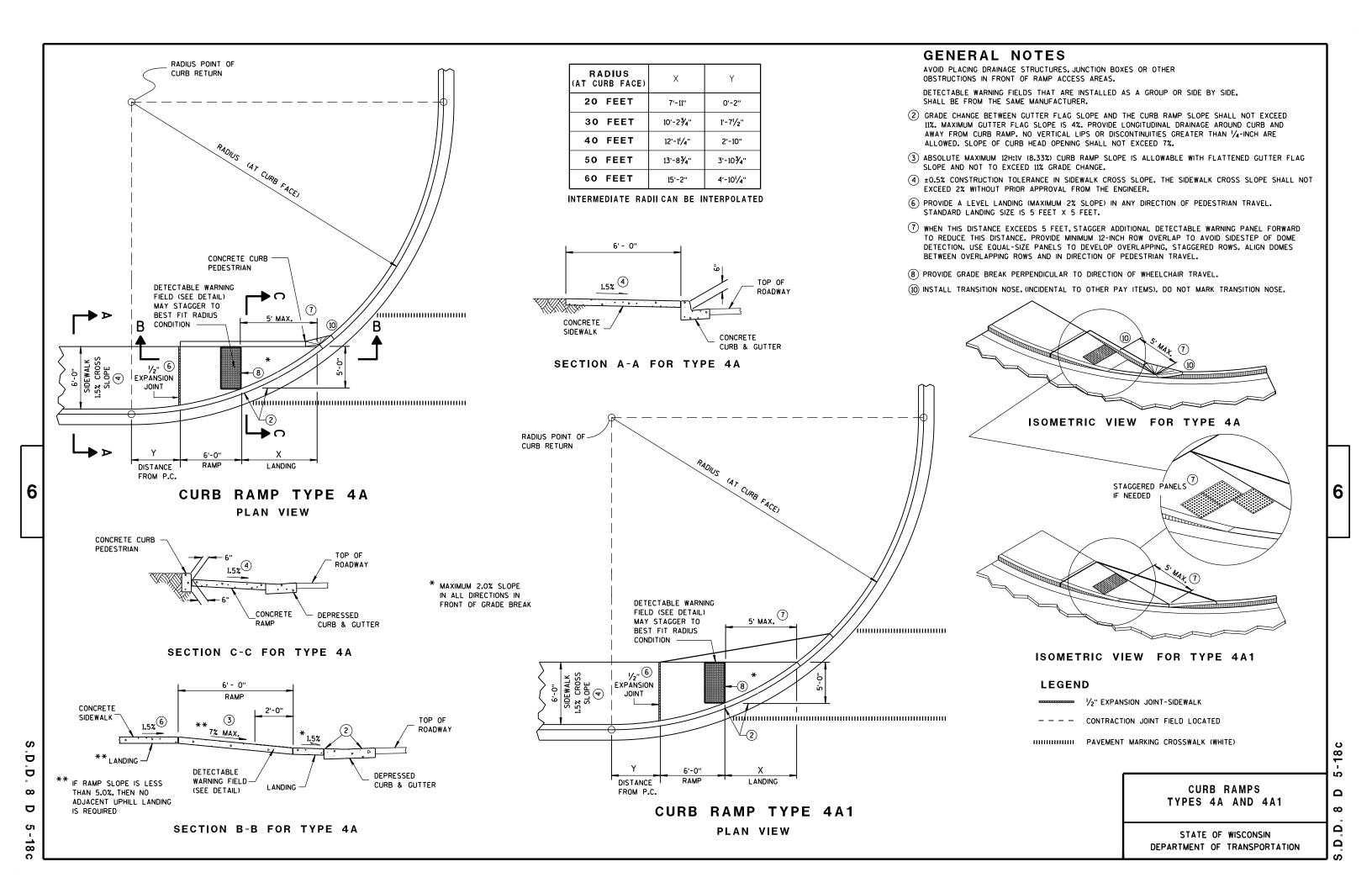
SEPARATE PRECAST REINFORCED

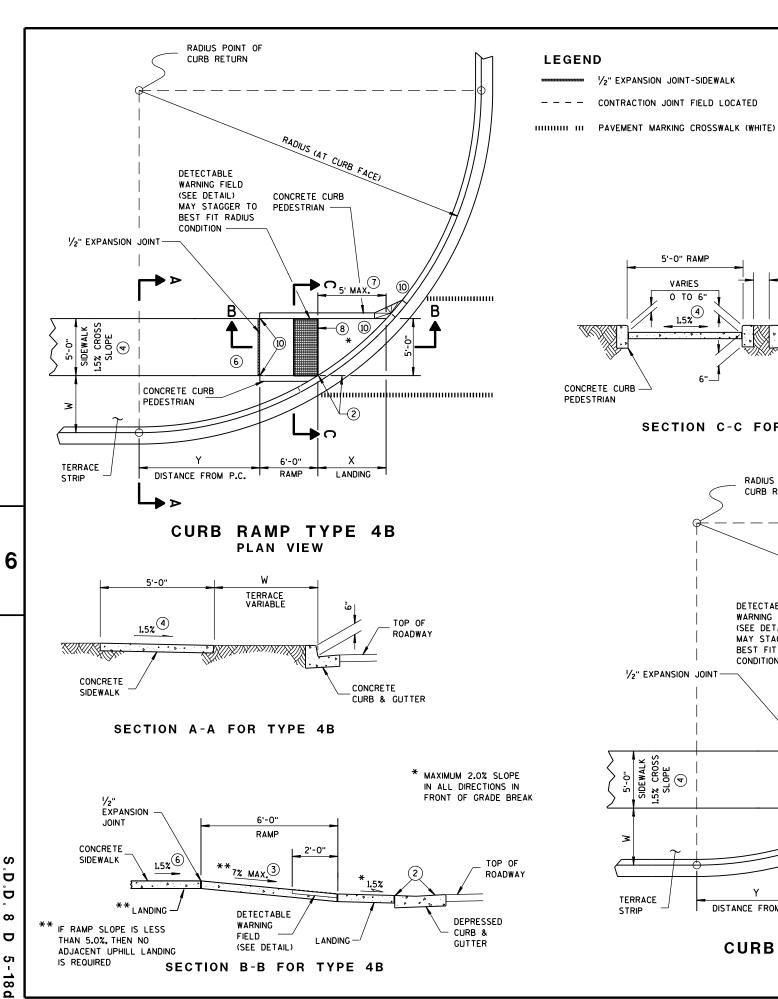
CONCRETE BASE OPTION











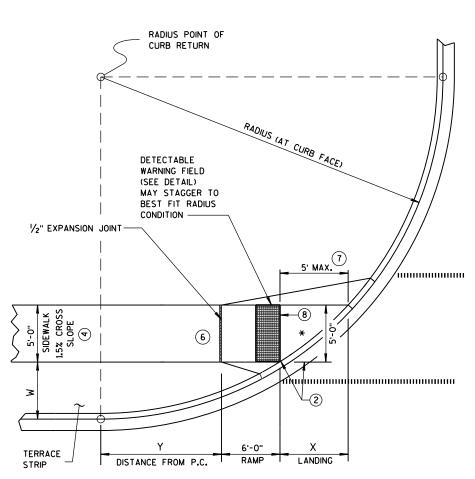
W = 5' - Ø" 7' - Ø" 3' - Ø" W = 4' - Ø" W = 6' - 0" RADIUS AT CURB FACE 20 FEET 3'-8¾" 7'-6¾" 3'-61/2" 4'-111/2" 6'-51/2" 8'-61/4" 5'-9¾" 5'-1¾" 4'-31/4" 3'-3" 30 FEET 5'-101/2" 6'-91/2" 7'-11'/4" 6'-0'/4" 12'-5¾" 11'-13/4' 40 FEET 12'-33/4" 14'-1'/4" 15'-81/2" 50 FEET 9'-61/2" 9'-51/2" 12'-31/4" 8'-61/2" 14'-71/2" 7'-9¾" 16'-81/4" 7'-21/2" 18'-6'/4" 60 FEET 11'-10'/4'' 11'-0¾" 10'-61/2" 14'-1'/4" 9'-61/2" 16'-81/2" 8'-9'/4" 18'-11¾" 8'-1'/2" 21'-0'/2"

GENERAL NOTES

INTERMEDIATE RADII CAN BE INTERPOLATED

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS. DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- (2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- (3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- (6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- (7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. USE EQUAL-SIZE PANELS TO DEVELOP OVERLAPPING, STAGGERED ROWS. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.
- (8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- (10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



TERRACE STRIP

VARIES O TO W

CONCRETE

CURB & GUTTER

TOP OF

ROADWAY

5'-0" RAMP

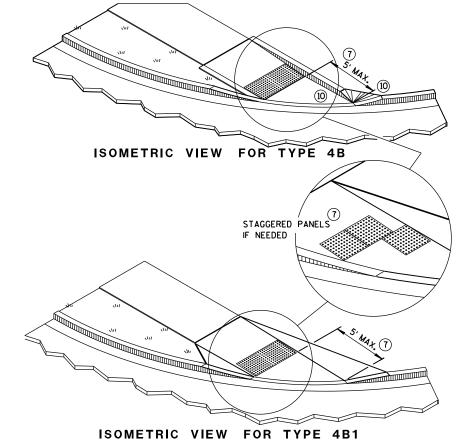
VARIES

0 TO 6"

1.5%

SECTION C-C FOR TYPE 4B

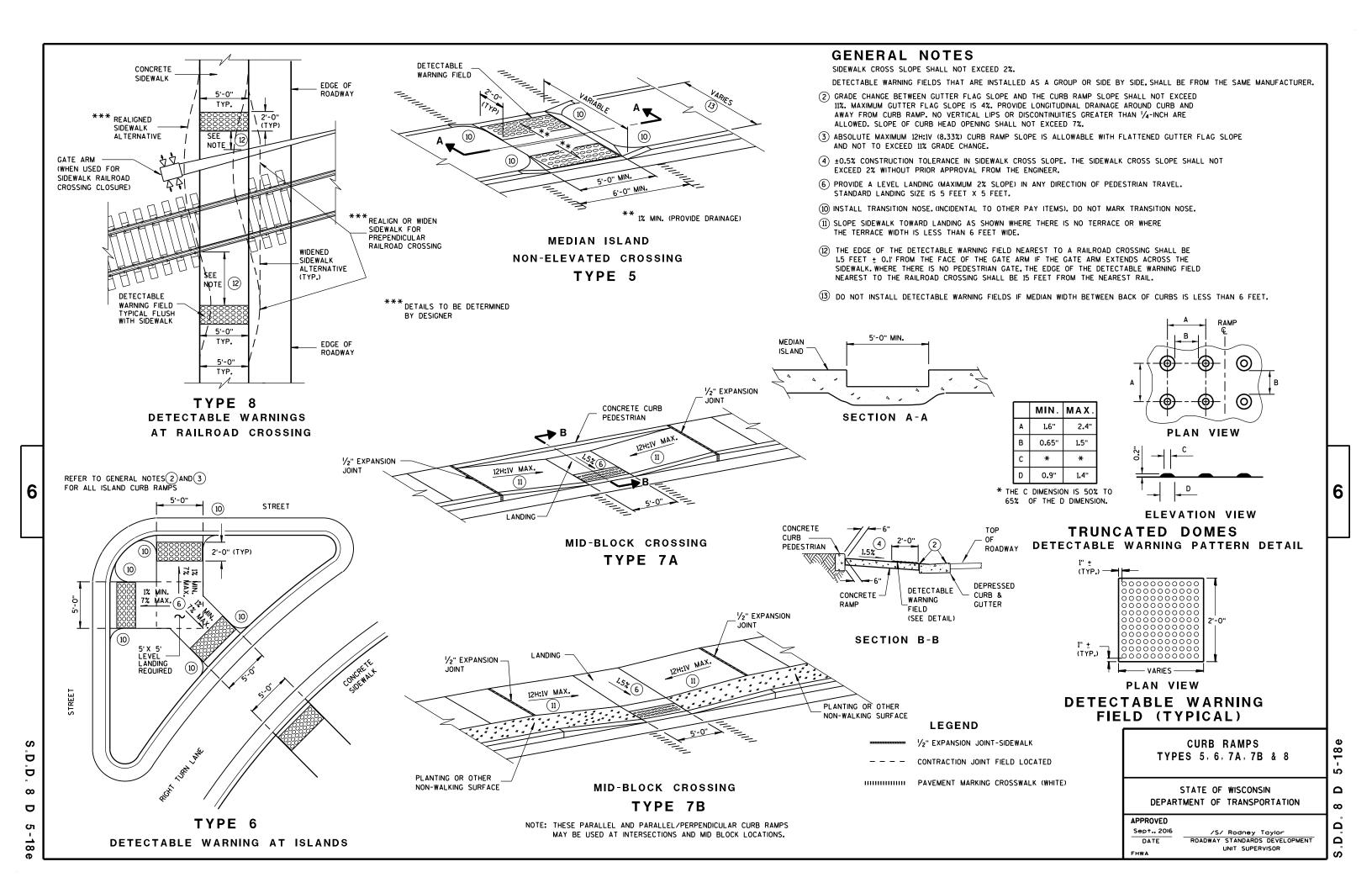
CURB RAMP TYPE 4B1 PLAN VIEW



CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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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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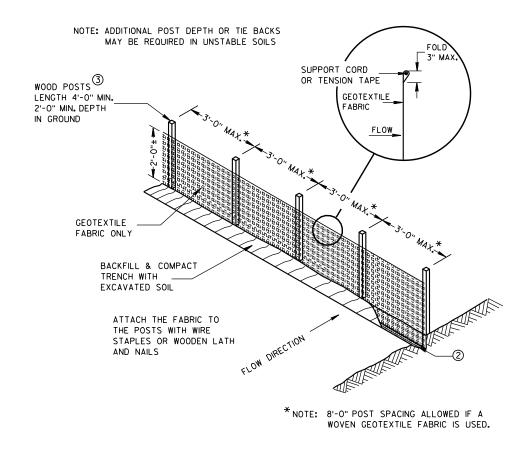
TYPICAL APPLICATION OF SILT FENCE

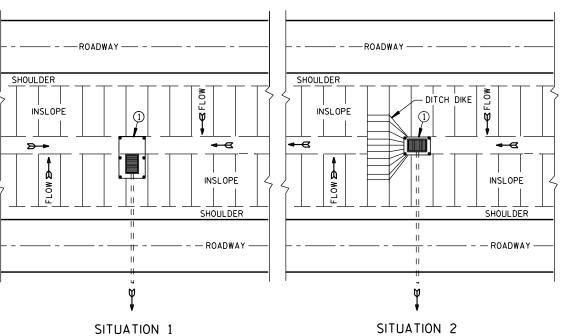
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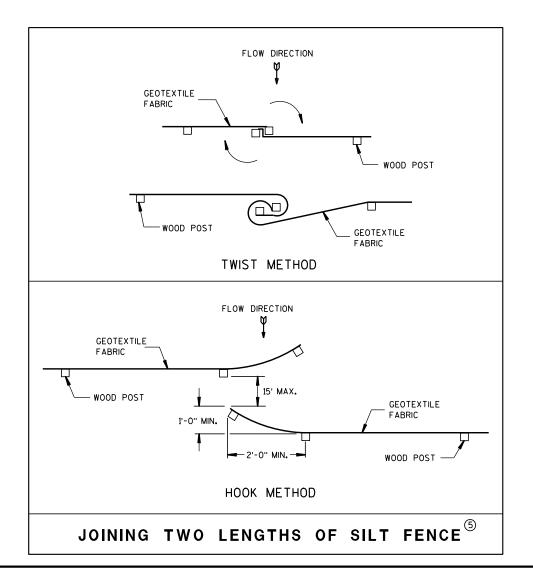
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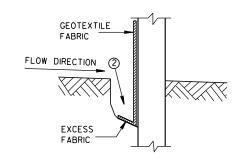
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



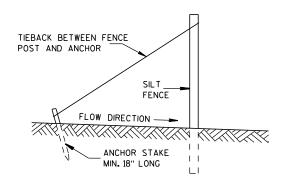
GENERAL NOTES

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.

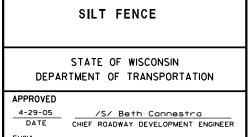


TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

S.D.D. 8 E 9-6





INLET PROTECTION, TYPE A

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.D. 12 A

3-10

EXISTING 3

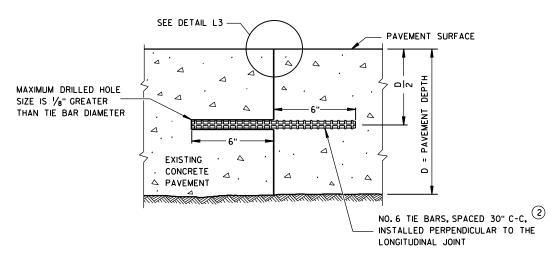
CONCRETE

EXISTING

CONCRETE

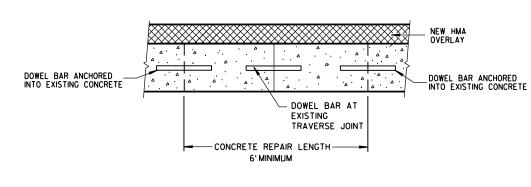
GENERAL NOTES

- (1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) AT THE LONGITUDINAL JOINT IN LIEU OF TIE BARS FOR SINGLE LANE CONCRETE BASE REPAIRS UP TO 15 FEET IN LENGTH.
- (2) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.
- (3) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



NO. 6 TIE BARS, SPACED 30" C-C, (2) INSTALLED PERPENDICULAR TO THE LONGITUDINAL JOINT (TYPICAL)

EXISTING

EDGE OF

REPLACEMENT

-L3¹

CONCRETE

DOWEL BARS — ANCHORED INTO

EXISTING

15" C-C

PAVEMENT,

EXISTING

CONCRETE

EXISTING - TRANSVERSE

DOWEL

12" C-C

-BARS

- C1

FULL DEPTH SAWCUT,
BOUNDARIES OF FULL —

DEPTH REPAIR

6" MIN.

PLAN VIEW

SINGLE LANE CONCRETE BASE REPAIR

- CONCRETE

JOINT

SECTION H-H

CONCRETE BASE

6

15.

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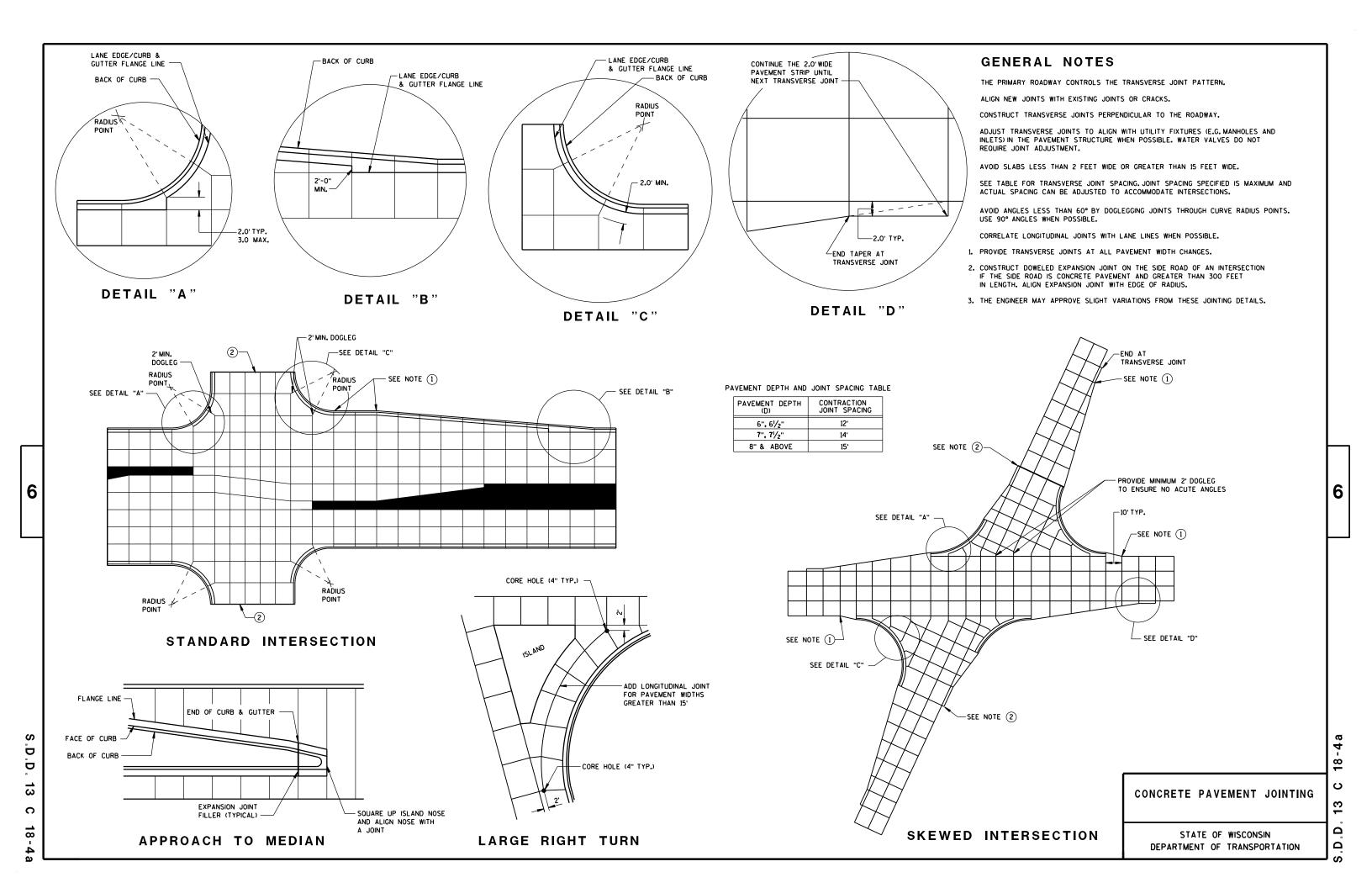
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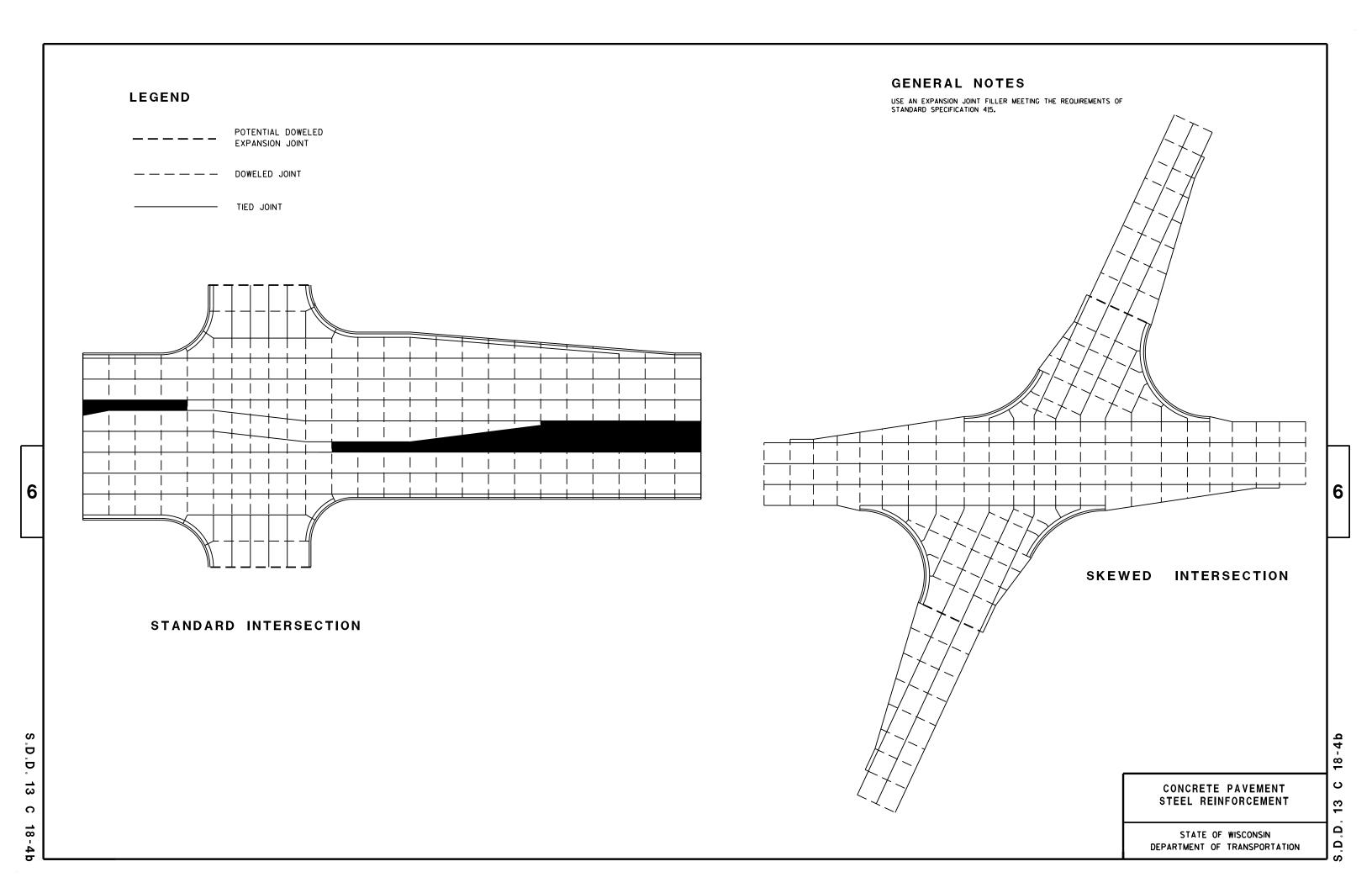
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

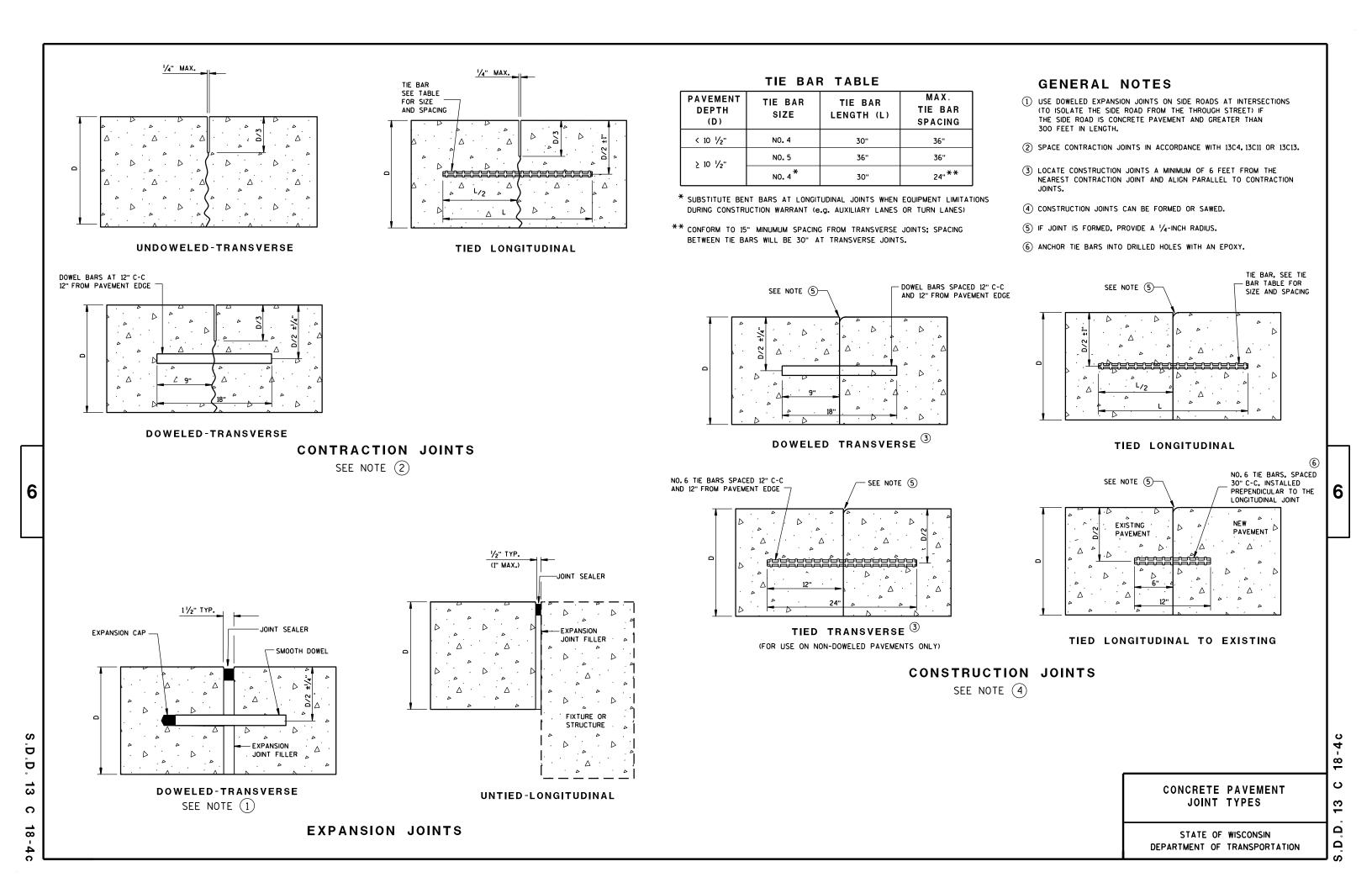
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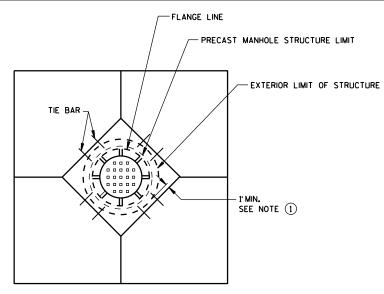
June, 2015 /S/ Peter Kemp, P.E. DATE PAVEMENT SUPERVISOR FHWA

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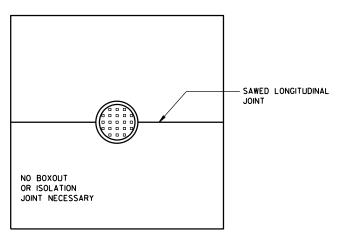








DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



MANHOLE WITH LONGITUDINAL JOINT

6

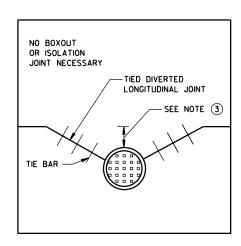
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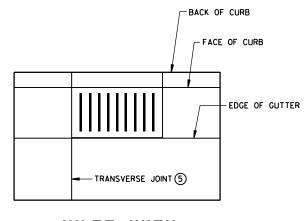
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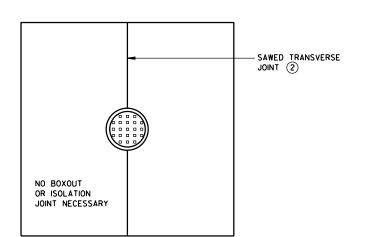
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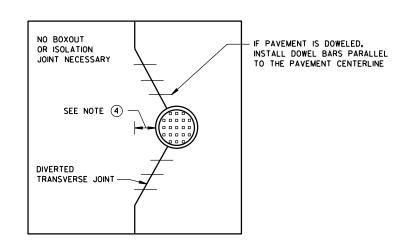
MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



INLET WITH TRANSVERSE JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED
TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

- ① USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
- 2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
- (3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- (4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- (5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT
JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

FHWA

Sept., 2016

DATE

/S/ Peter Kemp, P.E.

PAVEMENT SUPERVISOR

S.D.

<u>∞</u>



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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 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.

"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, 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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 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.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

2

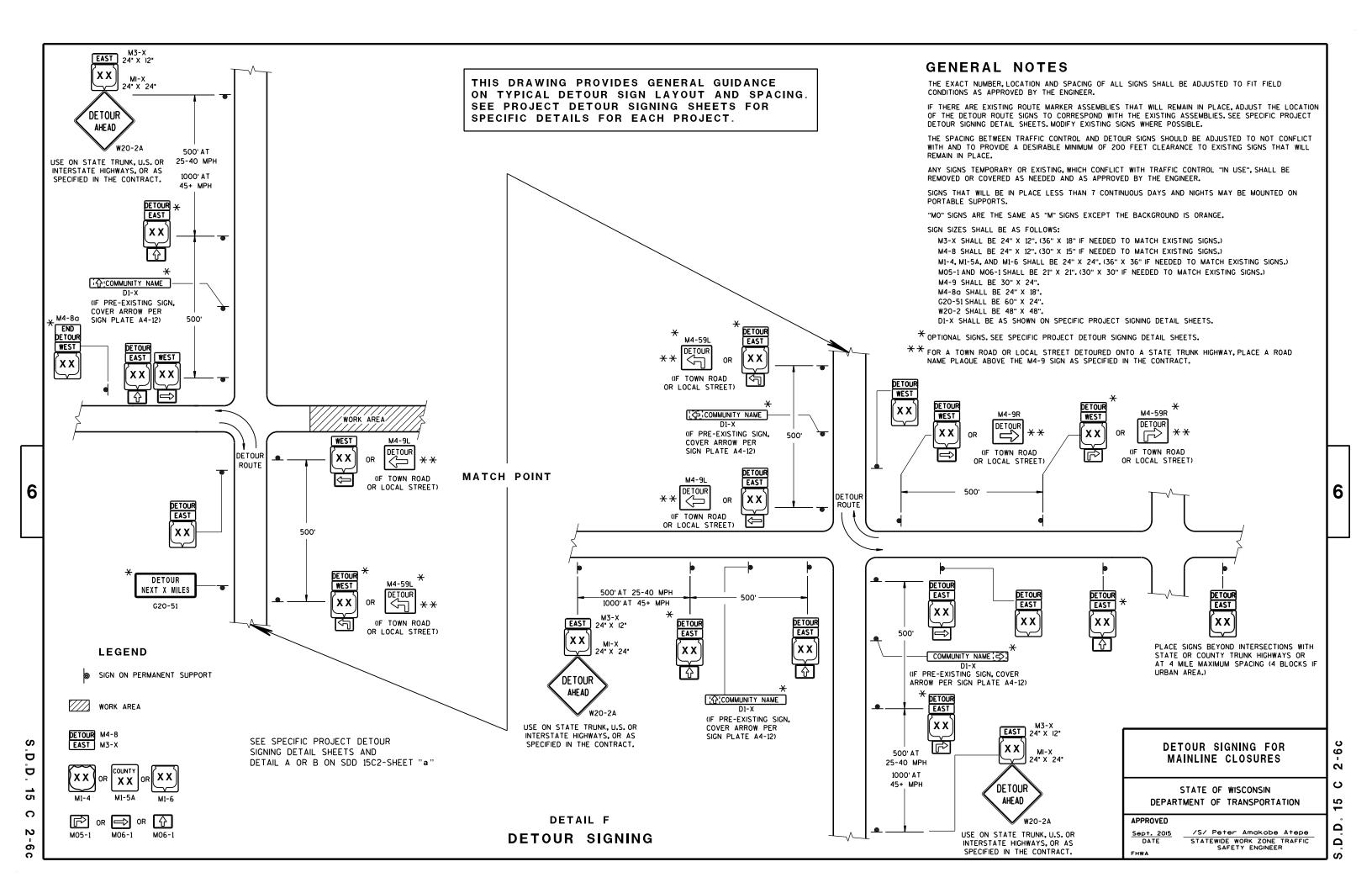
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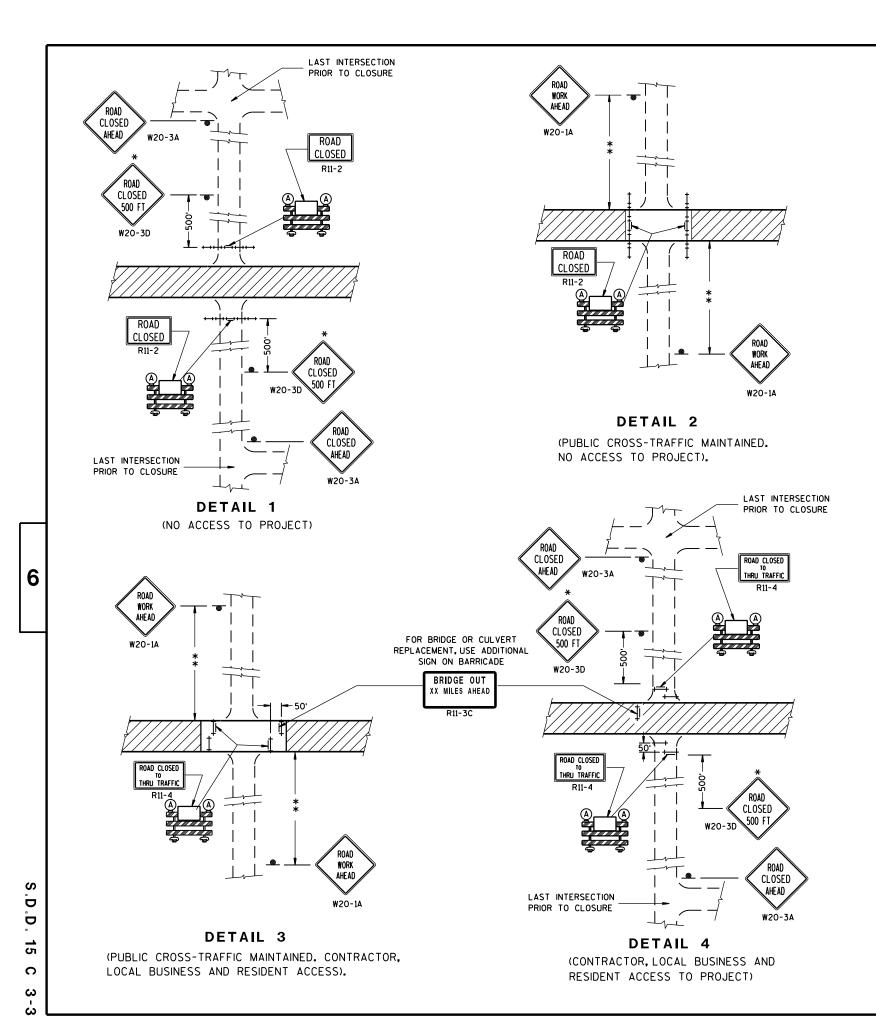
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER





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.

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 RE-ESTABLISHED.

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 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 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

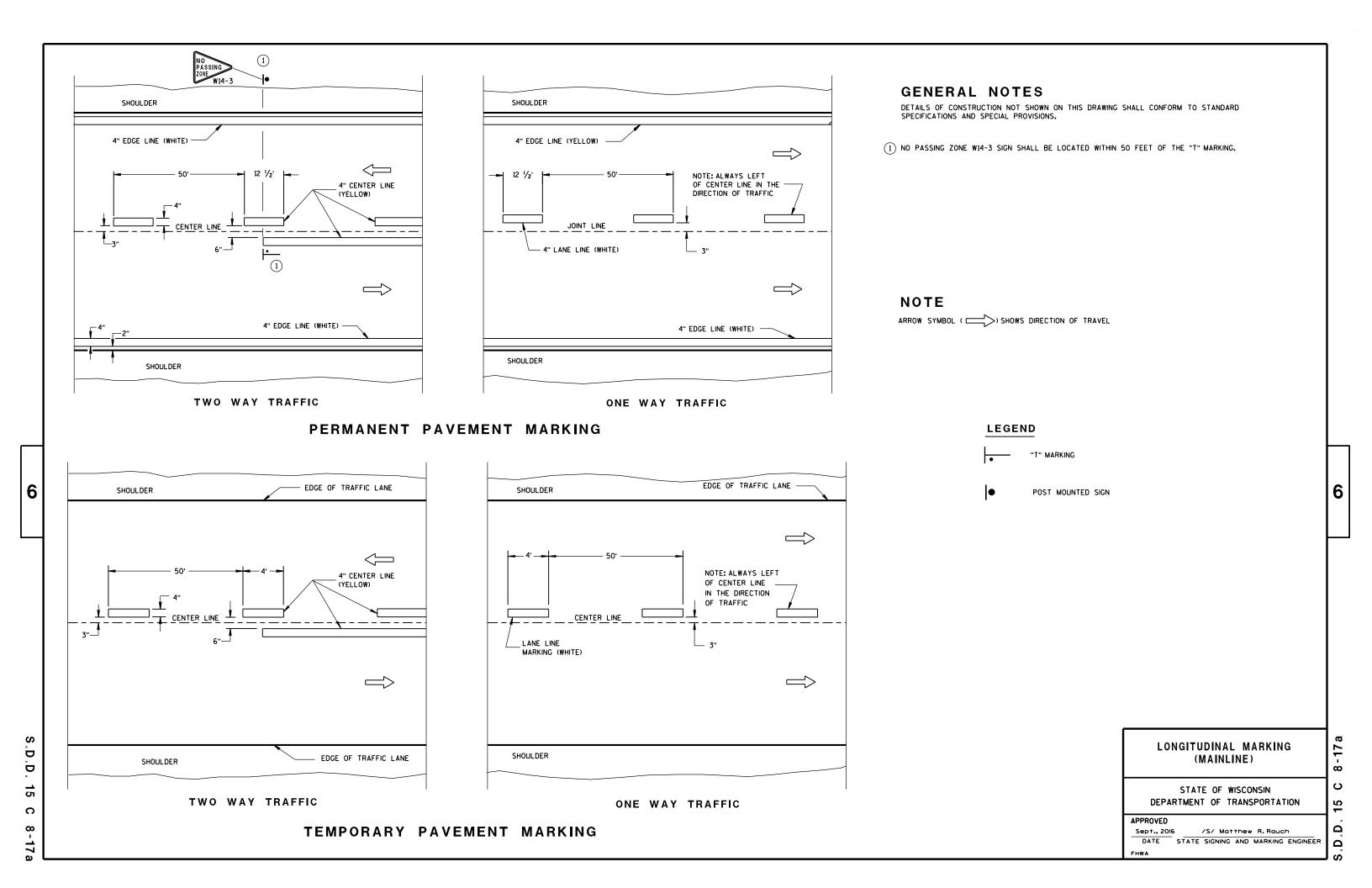
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

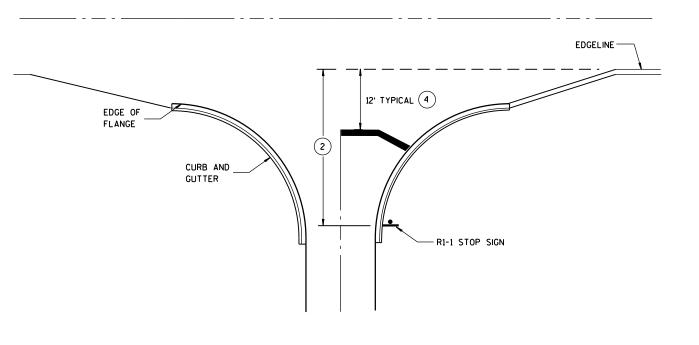
APPROVED

Sept. 2015

DATE
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

S.D.D. 15 C 3





8" CHANNELIZATION WHITE

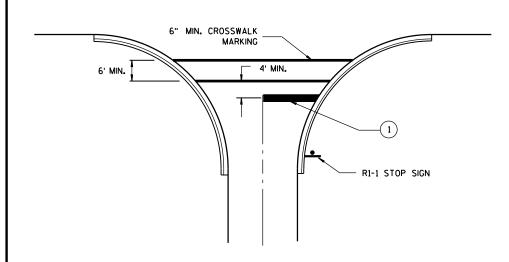
FLANGELINE (EXTENSION)

4" WHITE EDGELINE

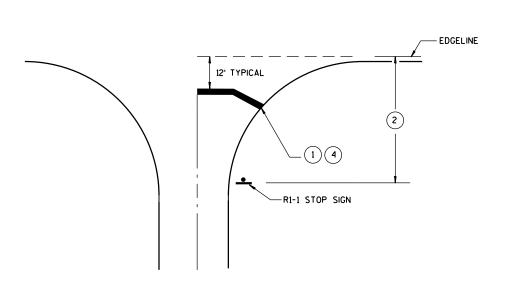
RI-1 STOP SIGN

TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- (2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
4-18-2016	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER

.D.D. 15 C 33-2

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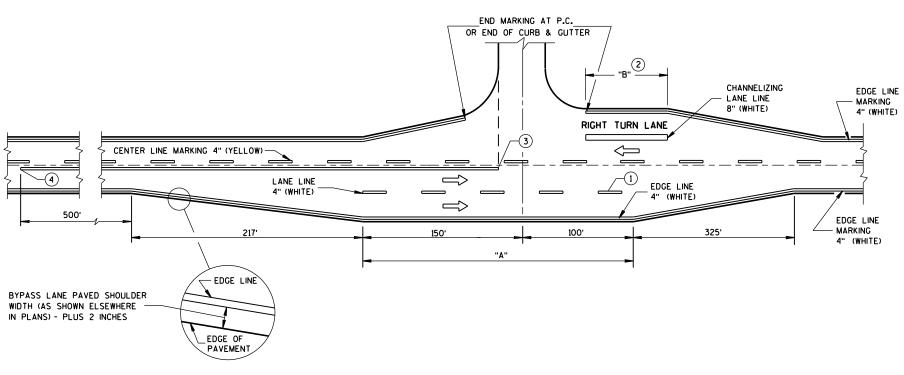
MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

- 1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- 2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- (3) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- (4) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL (>>) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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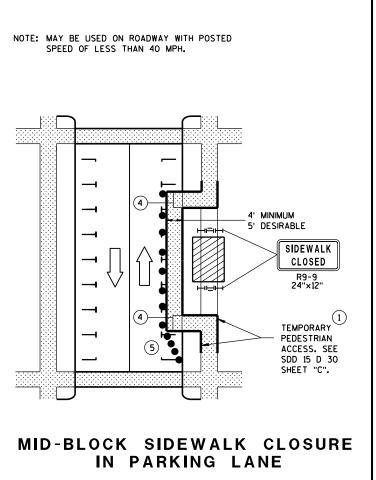
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NOTE: LAYOUT SAME AS ABOVE. 4' MINIMUM 5' DESIRABLE SIDEWALK CLOSED RQ-Q TEMPORARY PEDESTRIAN ACCESS. SEE SDD 15 D 30 SHEET "C". SIDEWALK DIVERSION

6

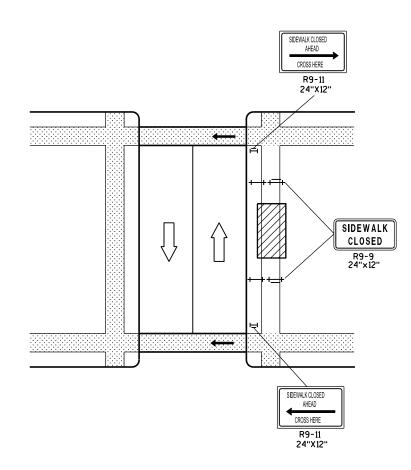
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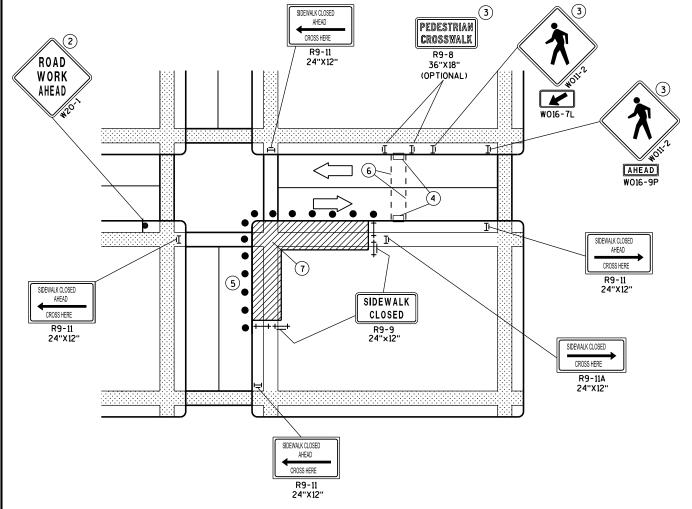
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MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

- 1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.
- 2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
- (4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- (6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN

LEGEND

SIGN ON PERMANENT SUPPORT

UNDER PEDESTRIAN TRAFFIC

TRAFFIC TRAFFIC CONTOL DRUM

DIRECTION OF

WORK AREA PEDESTRIAN

CHANNELIZATION DEVICE

TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A. LOW-INTENSITY FLASHING)

TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION က 0 က Ω Ω

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URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) A POLICE AND A POL D^{-1} Outside Edae of Gravel

White Edgeline Location

** 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.

HWY:

* 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

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 barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . 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).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

PLATE NO. <u>A4-3.20</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



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

- 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'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 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" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-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" (±).
- * 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.

URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ****\ Flowline D **7000** White Edgeline D 11 White Edgeline, Location Outside Edae Location

2' Min - 4' Max (See Note 6) 6'-3"(±) Curb Flowline. -11

48" DIAMOND WARNING SIGN

HWY:

_ 26" 5 ' - 3 "(±) White Edgeline Location Outside Edge of Gravel 48" DIAMOND WARNING SIGN

COUNTY:

Outside Edge

of Gravel

	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)			
	L	E		
* * *	Greater than 48" Less than 60"	12"		
	60" to 120"	L/5	l	

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)			
L E			
Greater than 120" less than 168"	12"		

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)			
L	E		
168" and greater	12"		

POST EMBEDMENT DEPTH

of Gravel

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

Matther

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:23

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

PLATE NO. 44-4.14 DATE 7/23/15



Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Nather R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr stdplote\A48 DCN

PLOT DATE . 11-416-2016 11:35

PINT RY * \$\$ nintuser \$\$

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



NOTES

- 1. Sign is Type II See Note 6 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White & Black - See Note 6 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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
- 6. Permanent Signs Background - Type H Reflective Detour or temporary Signs Background - Reflective

BLACK	↑
Metric equivalent for this sign is:	

HWY:

SIZE 600 mm X 600 mm 900 mm X 900 mm 900 mm X 900 mm 900 mm X 900 mm

PROJECT NO:

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.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 1/2	1	1 %	11 1/4	21 1/8											4.0	. 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5	12 %	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 %	33											9.0	. 81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	. 81
\equiv																												

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/20/02 PLATE NO. M1-6.9

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\M16.DGN

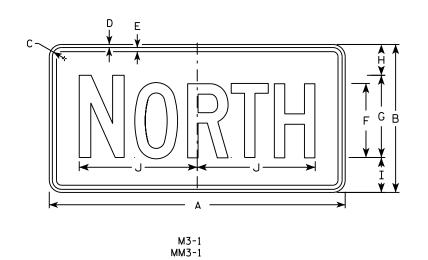
PLOT DATE: 13-OCT-2005 14:55

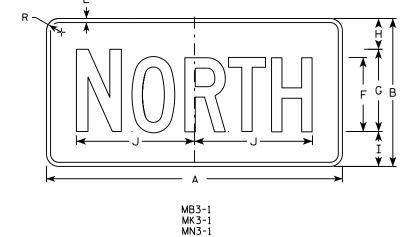
PLOT BY : DITJPH

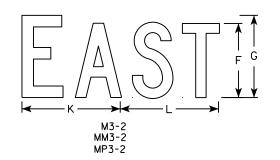
PLOT NAME :

PLOT SCALE : 6.715871:1.000000

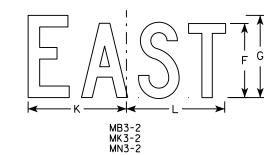
WISDOT/CADDS SHEET 42

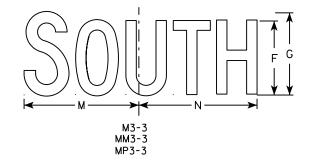


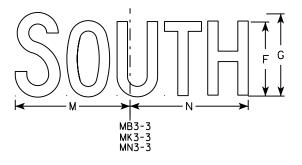


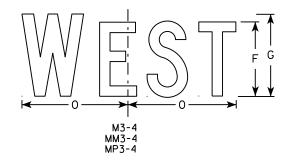


MP3-1

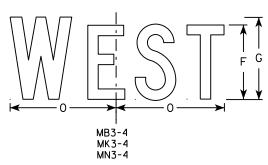








HWY:



NOTES

- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

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

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

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

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ROVED Matthew R Rauch

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

FILE NAME . C.\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAMF :

PLOT SCALE . 11 675051.1 000000

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

) A G	
	;
→ G →	
Y	

Α С E F G H I J S Х Z D 0 10 10 1/4 1 1/8 3/8 3/8 24 2.0 3 36 1 1/8 3/8 1/2 4 1/2 14 5/8 14 1/2 4.5 4 5

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 11/10/10 PLATE NO. M4-8.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN

PROJECT NO:

HWY:

PLOT DATE: 10-NOV-2010 13:18

PLOT BY : ditjph

PLOT SCALE : 4.767

PLOT NAME :

PLOT SCALE: 4.767233:1.000000

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

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.

 $D \longrightarrow$ Н M4-8A

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	w	Х	Y	Z	Area sq. ft.
$\parallel 1 \parallel$																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5				·	·						·				·												

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther

For State Traffic Engineer DATE 3/9/11

PLATE NO. M4-8A.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48A.DGN

HWY:

PROJECT NO:

PLOT DATE: 09-MAR-2011 10:29

PLOT BY: mscj9h

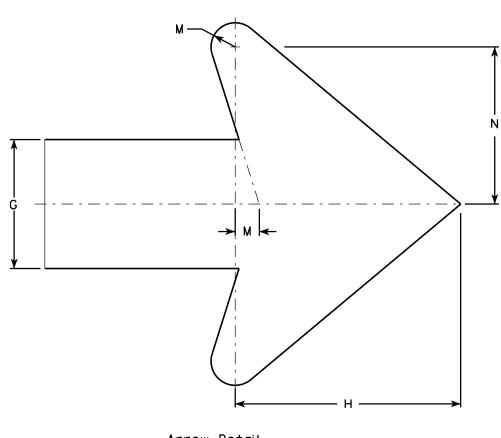
PLOT NAME :

PLOT SCALE: 3.972696:1.000000

- Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

PLOT NAME :

w x	Y Z Ar
	5.0
	12.
	12.

COUNTY:

M4-9R

STANDARD SIGN M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R

For State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M49R.DGN

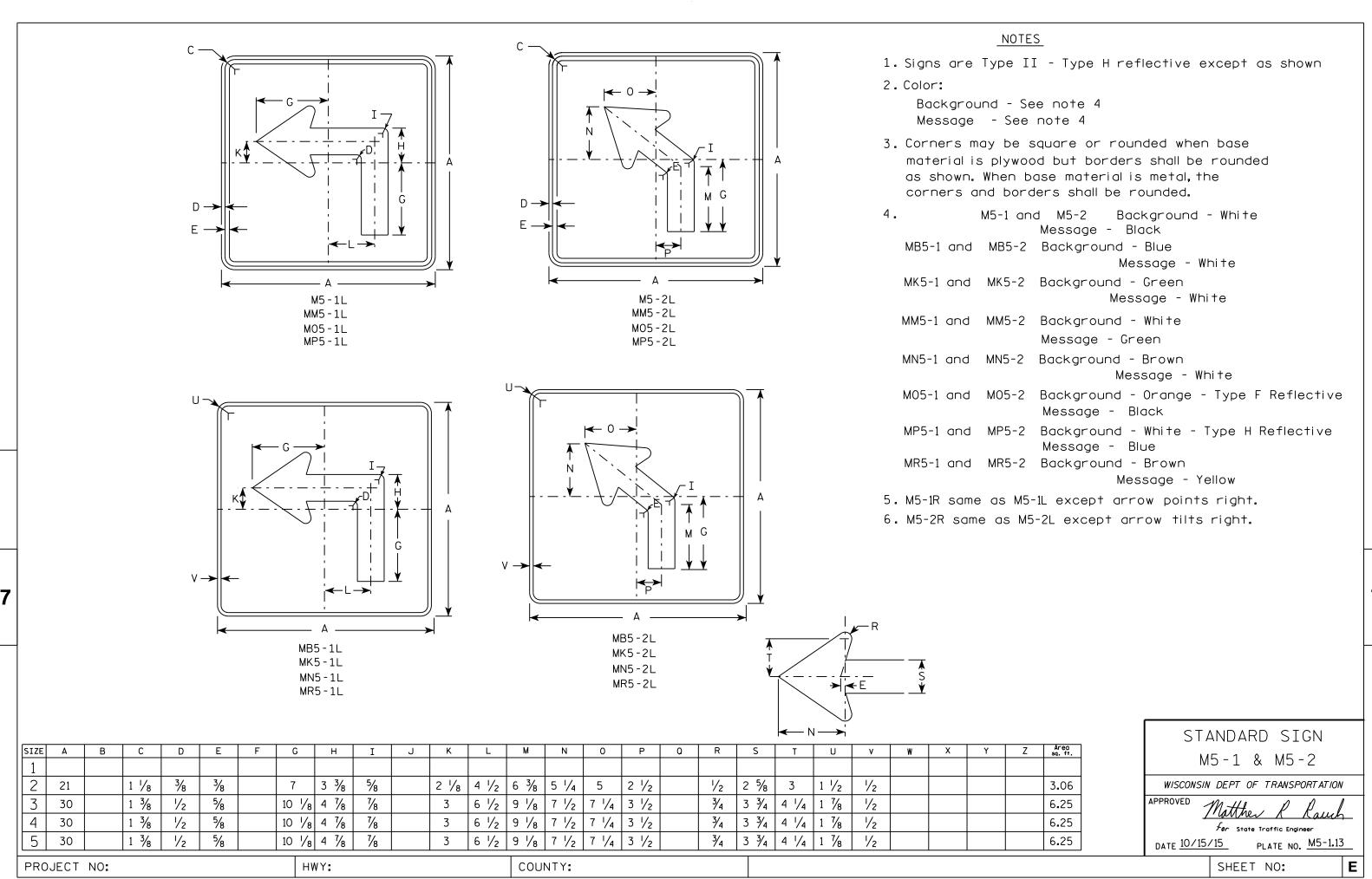
HWY:

PROJECT NO:

PLOT DATE: 09-MAR-2011 11:17

PLOT BY: mscj9h

PLOT SCALE: 5.959043:1.000000

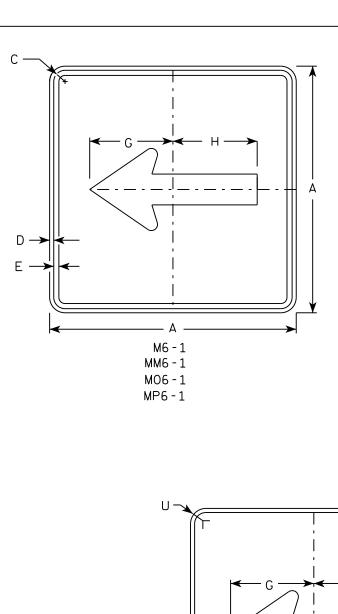


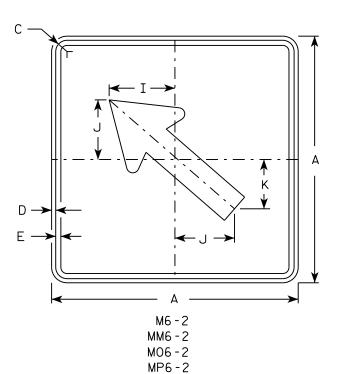
FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

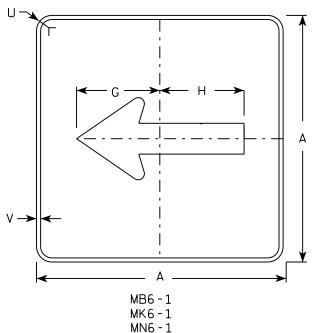
PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000

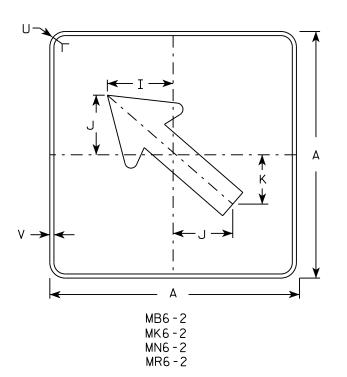






MR6-1

HWY:



NOTES

- 1. Signs are Type II Type H 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

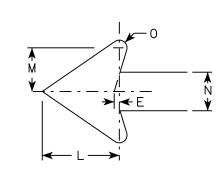
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	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 1/8	1/2					6.25
4	30		1 3/8	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 1/8	1/2					6.25
5	30		1 3/8	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 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

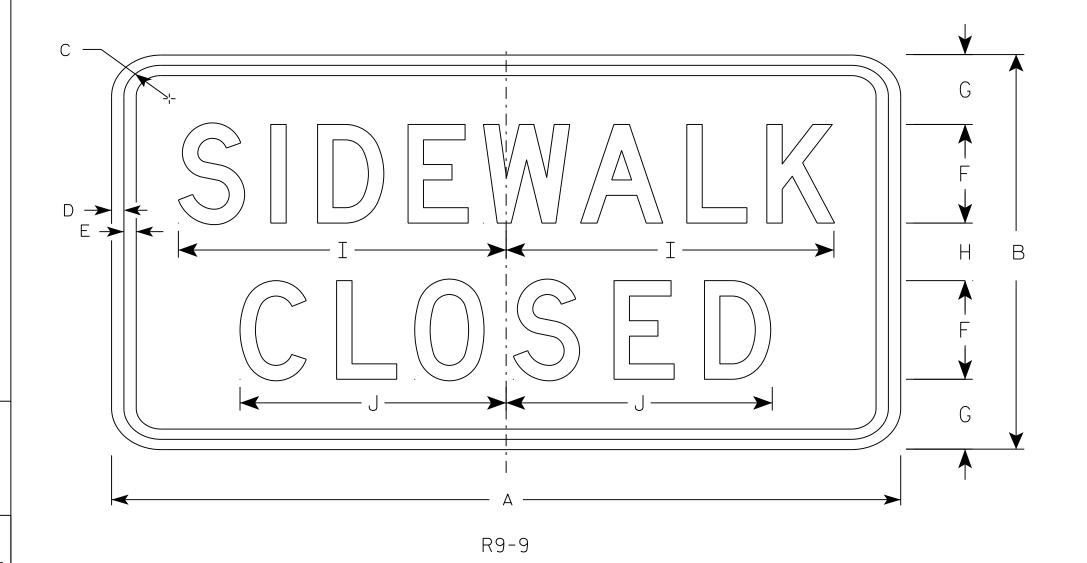
PIOT RY . \$\$ plotuser \$\$ PIOT NAMF :

PLOT SCALE . 11 675051.1 000000

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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.
- 5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.



SIZE A 2S 24 1 3/4 1/2 2 1/8 1 3/4 10 1/2 12 3 8 1/8 2.0 24 1 3/4 1/2 2 1/8 1 3/4 8 1/8 12 10 2.0 1 3/4 3 1/2 30 18 1/2 1/2 3 | 12 1/2 | 10 1/4 3.75

COUNTY:

STANDARD SIGN R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Mather R Ray

DATE <u>8/11/16</u>

SHEET NO: R9-9.6

Ε

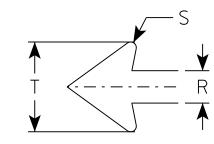
HWY:

PROJECT NO:

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

Background - White Message - Black

- 3. Message Series C except Size 1 is 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.



R9-11

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	O	R	S	Т	U	V	W	Х	Υ	Z	Area sq. ft.
1																											
25	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 %	3 1/2	9 1/4	6 %	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 %	3 1/2	9 1/4	6 %	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 1/8	6 1/8		1 1/4	1/4	3 %							3.125
4																											
5																											

COUNTY:

STANDARD SIGN R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For 3

PLATE NO. R9-11.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R911.DGN

HWY:

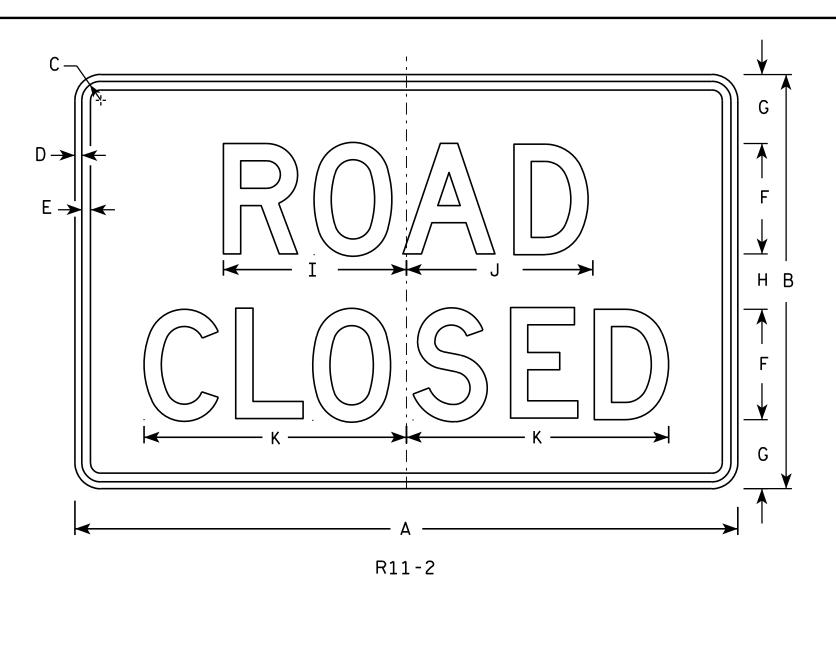
PROJECT NO:

 $D \rightarrow$

PLOT DATE: 01-DEC-2016 11:45

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

PLOT SCALE: 5.927195:1.000000

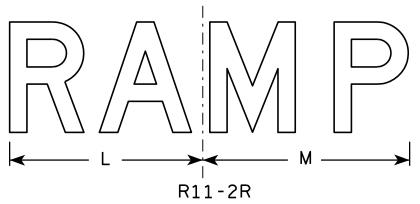


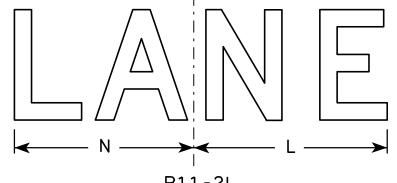
<u>NOTES</u>

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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Modify the message as required.





R	1	1	-	2	L

PLOT NAME :

SIZ	Έ	A	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																												
2	S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
21	I	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0
3		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0

COUNTY:

STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-2.10

SHEET NO:

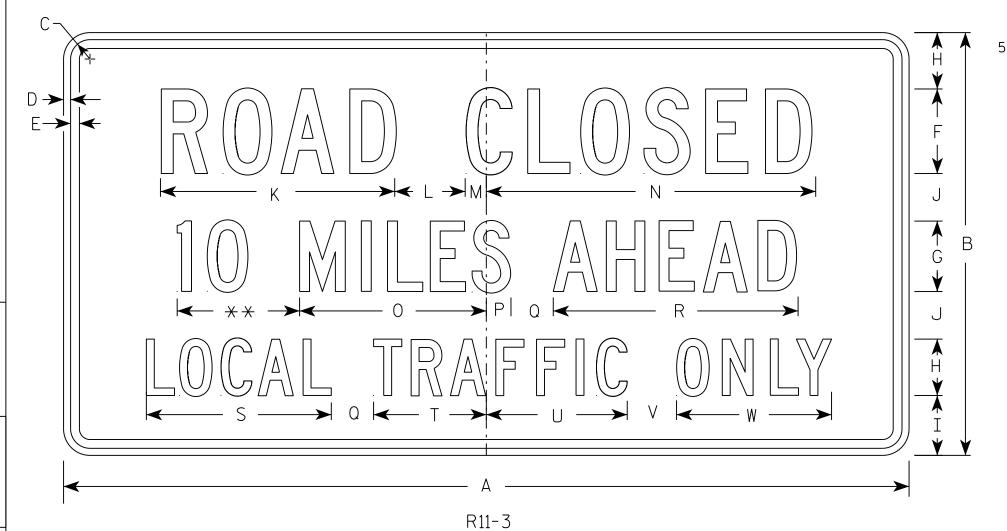
HWY:

PROJECT NO:

- 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.
- 5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



** See Note 5

Α	В	С	D	E	F	G	Н	I	C	K	L	М	Ν	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 %	4 3/4	6 1/2	2	6 3/4				4.5
60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3	16 %	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 ½	11				12.5
60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 %	16 %	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 ½	11				12.5
	60	60 30	60 30 1 3/8	60 30 1 3/8 1/2	60 30 1 3/8 1/2 5/8 60 30 1 3/8 1/2 5/8	60 30 1 3/8 1/2 5/8 6 60 30 1 3/8 1/2 5/8 6	60 30 1 3/8 1/2 5/8 6 5 60 30 1 3/6 1/2 5/6 6 5	60 30 1 3/8 1/2 5/8 6 5 4 60 30 1 3/8 1/2 5/8 6 5 4	60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 60 30 1 3/8 1/2 5/6 6 5 4 4 1/4	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 4 3/4 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8 8	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 4 3/4 6 1/2 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8 8 10	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 4 3/4 6 1/2 2 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8 8 10 3 1/2	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 4 3/4 6 1/2 2 6 3/4 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8 8 10 3 1/2 11	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 4 3/4 6 1/2 2 6 3/4 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8 8 10 3 1/2 11	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 4 3/4 6 1/2 2 6 3/4 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8 8 10 3 1/2 11	36 18 1 3/8 1/2 5/8 4 3 2 1/2 2 2 11 1/8 3 1 1/8 15 1/4 8 1 1/2 2 10 3/4 8 3/8 4 3/4 6 1/2 2 6 3/4 60 30 1 3/8 1/2 5/8 6 5 4 4 1/4 3 3/8 16 5/8 5 1 1/2 23 13 1/4 1 3/4 3 17 3/8 13 1/8 8 10 3 1/2 11

COUNTY:

STANDARD SIGN R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R DATE 7/28/16 PLATE NO. R11-3.7

SHEET NO:

Ε

FILE NAME + C+\CAFfiles\Projects\tr stdolote\R113 DGN

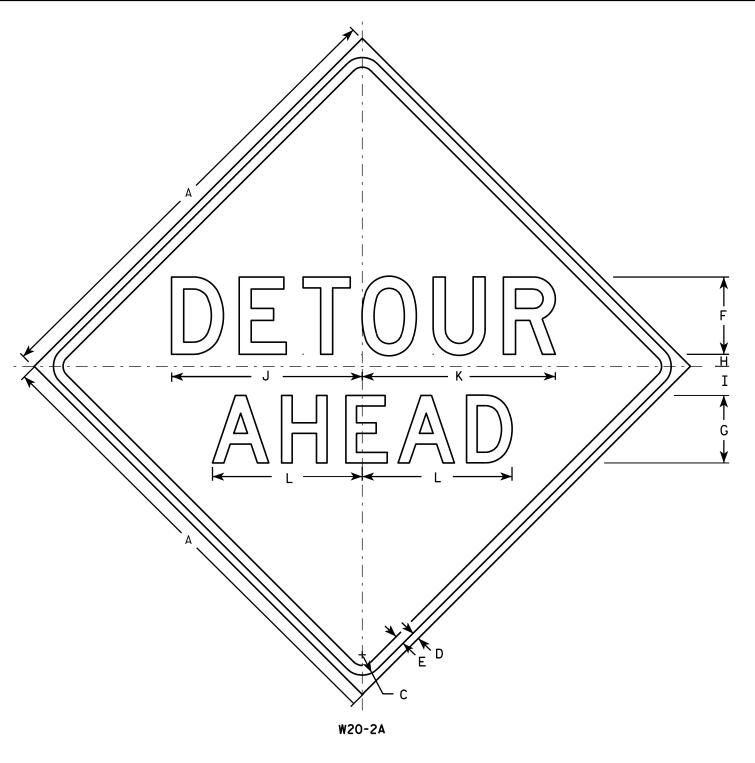
PROJECT NO:

HWY:

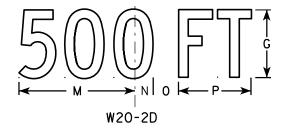
PLOT DATE + 28-. III -2016 16+25

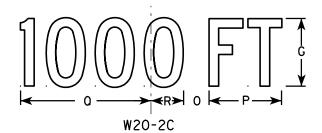
PINT RY . \$\$ plotuser \$\$ PINT NAME :

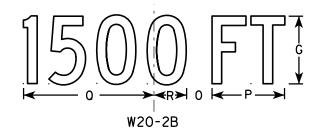
PLOT SCALE . 6 810445.1 000000

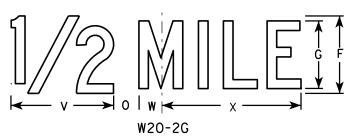


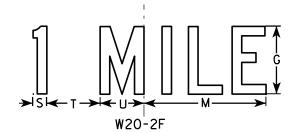
HWY:











PLOT BY: mscj9h

<u>NOTES</u>

- Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	v	W	X	Y	Z	Areo sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 ¾	15	11 5/8	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
3	48		2 1/4	¾	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
4	48		2 1/4	¾	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	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:

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

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11 PLATE NO. W20-2.6

SHEET NO:

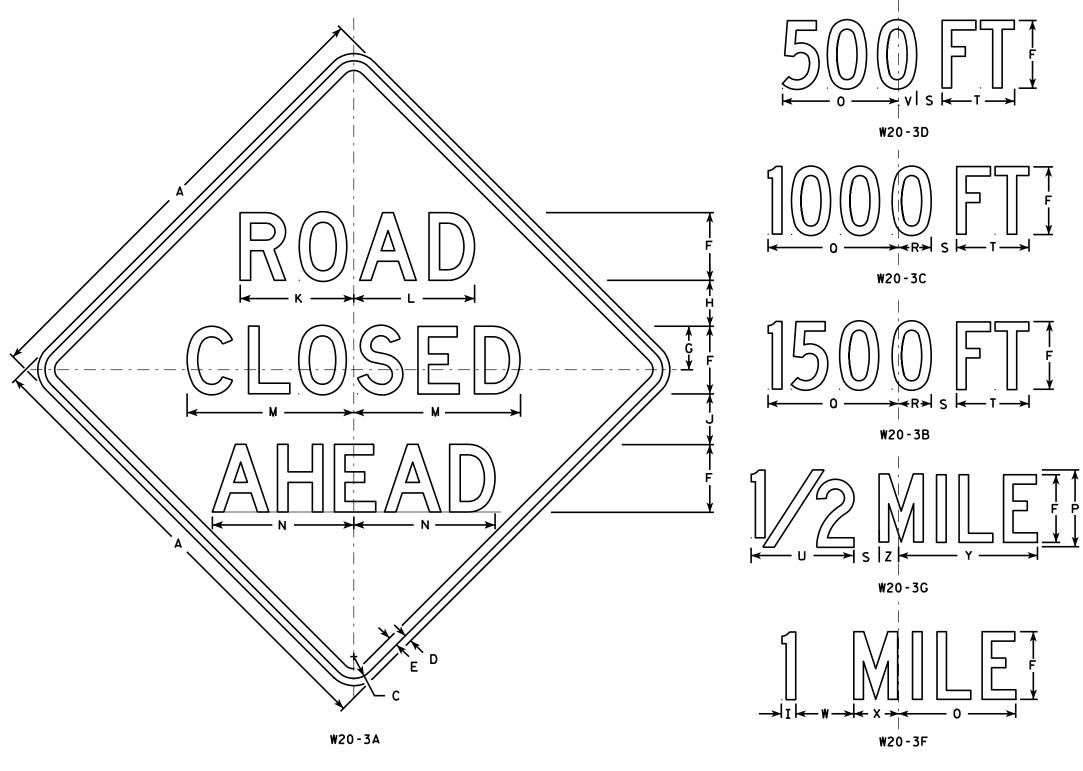
PROJECT NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN

PLOT DATE: 18-MAR-2011 10:00

PLOT NAME :

PLOT SCALE: 9.931739:1.000000



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

1 % 5/8 ¾ 8 3/8 8 7/8 12 1/2 5 % 1 3/8 4 1/2 36 3 1/2 10 3/4 1 3/4 8 4 \(\frac{5}{8} \) 14 \(\frac{3}{8} \) 2 \(\frac{3}{8} \) 16.0 3/4 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 7 1/2 10 5/8 1 7/8 2M 3/4 4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0 48 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 7 1/2 10 % 1 % 4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8 3/4 13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8 4 % | 14 % | 2 % | 16.0 48 3/4 4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8 13 1/2 3 3/8 2 5/8 4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0 7 1/2 10 5/8 1 7/8 48 5 4 5/8 14 3/8 2 3/8 16.0 3/4 2 1/4 4 1/2 | 4 3/4 | 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8 48

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE 3/18/11

PLATE NO. W20-3.7

SHEET NO:

PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN HWY:

PLOT DATE: 18-MAR-2011 12:08

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

6570-08-72



2. BOX DETAILS 3. DETAILS 4. APRON DETAILS

5. FENCE DETAILS 6. SUBSURFACE INVESTIGATION

TRAFFIC DATA

ADT = 5600 (2019) 6500 (2039) RDS = 30 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY

- 720 C.F.S. VELOCITY -— 10.74 F.P.S. HIGH WATER - EL. 791.37 (100 YEAR) WATERWAY AREA ------ 66.1 S.F. DRAINAGE AREA -- 4.6 SQ. MILES OVERTOPPING FREQUENCY = N/A SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY

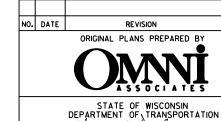
— 169 C.F.S. HIGH WATER - EL. 785.61 (2 YEAR)

CONSULTANT CONTACT

KRISTOFER OLSON OMNNI ASSOCIATES, INC. (920) 735-6900

BRIDGE OFFICE CONTACT

WILLIAM DREHER (608) 266-8489



C. Dichuson 03/20/17 William CHIEF STRUCTURES DESIGN ENGINEER

BY

8

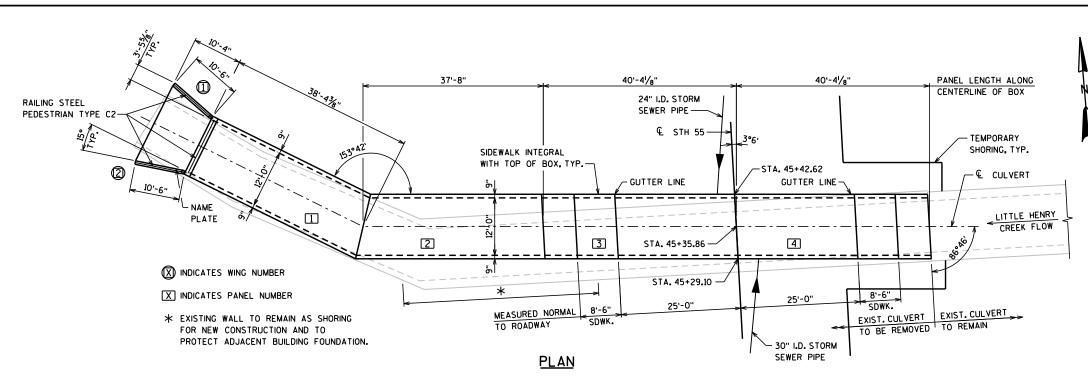
STRUCTURE C-44-132

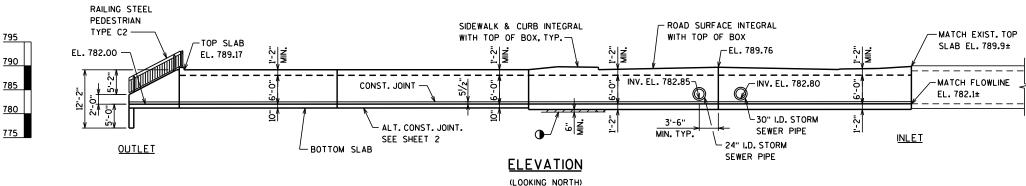
STH 55 OVER LITTLE HENRY CREEK

OUTAGAMIE

DESIGN SPEC. LOAD HL-93 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
DESIGNED DESIGN CK'D. KRO BY BRE BRE CK'D. KRO SHEET 1 OF 6

LAYOUT





KRISTOF

DESIGN DATA

8

LIVE LOAD: DESIGN LOADING -- HL-93 INVENTORY RATING FACTOR -OPERATING RATING FACTOR ------ RF = 1.35 WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV) - 255 KIPS EARTH LOAD: DESIGNED FOR O FEET OF FILL.

TOTAL ESTIMATED QUANTITIES

203.0500.S	REMOVING OLD STRUCTURE OVER WATERWAY STA 45+36 -	<u> </u>	LS
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-44-132	<u> </u>	LS
210.2500	BACKFILL STRUCTURE TYPE B —	— 640	TON
502.3200	PROTECTIVE SURFACE TREATMENT —	— 235	SY
504.0100	CONCRETE MASONRY CULVERTS -	— 261	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	12,990	LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	18,150	LB
511.1100	TEMPORARY SHORING —	- 1,088	SF
513.8011	RAILING STEEL PEDESTRIAN TYPE C2 C-44-132	— 34	LF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	 76	SY
645.0105	GEOTEXTILE TYPE C	— 370	SY
SPV.0060.05	IN CULVERT BOULDER ASSEMBLY —	— з	EACH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE UPPER LIMITS OF THE "EXCAVATION FOR STRUCTURES CULVERTS C-44-132" SHALL BE THE EXISTING GROUND LINE.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

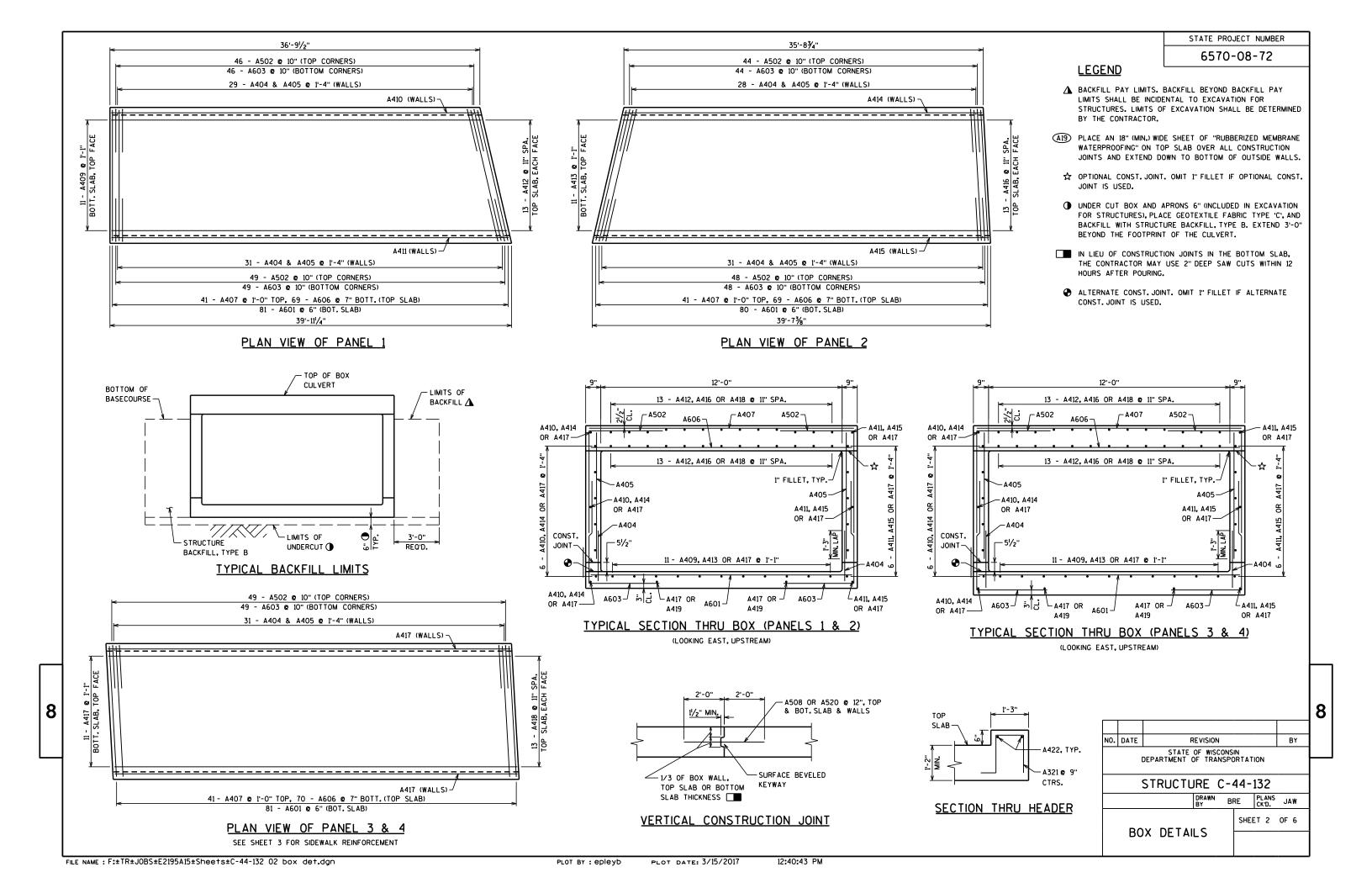
PLACE AN 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

UNDERCUT BOX AND APRONS 6" (INCLUDED IN EXCAVATION FOR STRUCTURES), PLACE GEOTEXTILE FABRIC TYPE 'C', AND BACKFILL WITH STRUCTURE BACKFILL. EXTEND 3'-0" BEYOND THE FOOTPRINT OF THE CULVERT.

BLOCK FLOW IN EXISTING BOX CULVERT UPSTREAM OF NEW CONSTRUCTION AND PUMP TO DOWNSTREAM CHANNEL AS REQUIRED AND ACCORDING TO SPECIAL PROVISION, "ENVIRONMENTAL PROTECTION, BY-PASS PUMPING"

PROTECT THE EXCAVATION FOR CULVERT C-44-132 ACCORDING TO SPECIAL PROVISION "BOX CULVERT EXCAVATION PROTECTION"

3/15/17



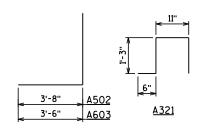
STATE PROJECT NUMBER

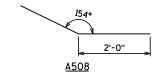
6570-08-72

BILL OF BARS MARK COPT . NO. LENGTH CAN LOCATION REQ'D. A601 323 BOTTOM SLAB INTERIOR FACE 13'-2" A502 383 9'-0" CORNER TOP A603 383 X CORNER BOTTOM 8'-9" A404 243 2'-9" WALLS - DOWEL VERT. A405 243 6'-0" WALLS - VERT. A606 278 13'-2" TOP SLAB INTERIOR FACE A407 X 164 13'-2" TOP SLAB EXTERIOR FACE A508 40 4'-0" VERT. CONST. JOINT BTW. 1 & 2 A409 38'-0" LONG. BOTT. SLAB, PANEL 1 A410 LONG. WALL, PANEL 1 9 36'-6" A411 9 39'-6" LONG. WALL, PANEL 1 A412 26 38'-0" LONG. TOP SLAB. PANEL 1 A413 11 37'-4" LONG. BOTT. SLAB, PANEL 2 A414 X LONG. WALL, PANEL 2 9 35'-6" A415 X 9 39'-1" LONG. WALL, PANEL 2 LONG. TOP SLAB, PANEL 2 A416 X 37'-4" 26 A417 62 40'-0" LONG. BOTT. SLAB & WALLS, PANEL 3 & 4 Х A418 X 52 LONG. TOP SLAB, PANEL 3 & 4 40'-0" A419 19'-11" LONG. BOTT., PANEL 1 & 2 A520 80 4'-0" VERT. CONST. JOINT BTW. 2 & 3, 3 & 4 3'-9" HEADER VERTICAL 13'-2" HEADER HORIZONTAL A423 X SIDEWALK & TRANSITIONS TRANSVERSE 22 13'-2" A424 X 4'-10" WEST TRANSITIONS LONG. A425 X WEST SIDEWALK LONG. 10 8'-2' A426 X EAST SIDEWALK LONG. 10 5'-2' A427 X EAST TRANSITIONS LONG. 10 6'-5" A428 36 4'-8" PIPE OPENING

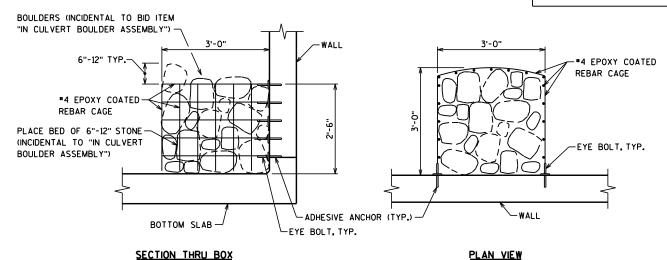
BAR SERIES TABLE

BAR NO.	NO. REO'D.	LENGTH
A409	1 SERIES OF 11	36'-9" TO 39'-3"
A412	2 SERIES OF 13	36'-9" TO 39'-3"
A413	1 SERIES OF 11	35'-9" TO 38'-11"
A416	2 SERIES OF 13	35'-9" TO 38'-11"





BAR BEND DIAGRAMS

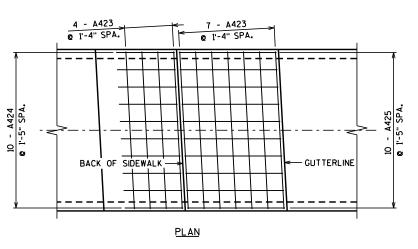


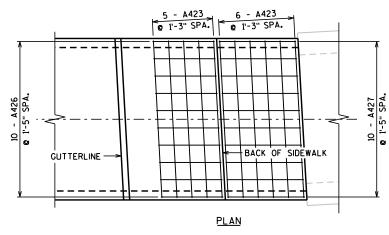
IN CULVERT BOULDER ASSEMBLY

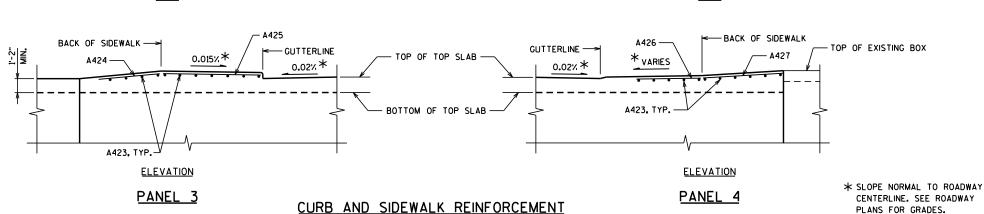
ALL COMPONENTS, BOULDERS, REBAR, EYE BOLT ASSEMBLY, ANCHORS AND INCIDENTALS ARE PAID UNDER "IN CULVERT BOULDER ASSEMBLY".

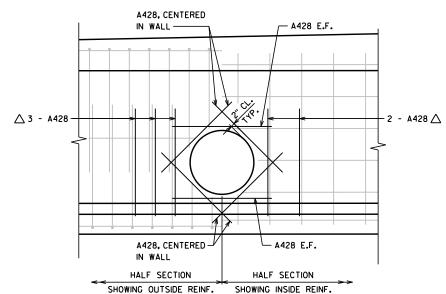
PLACE 3 BOULDER ASSEMBLIES TO AID IN FISH PASSAGE EQUALLY SPACED FROM THE INLET OF NEW CONSTRUCTION TO THE OUTLET OF NEW CONSTRUCTION AT THE WEST END.

HAND BEND REBAR AFTER PLACEMENT THROUGH EYE BOLT. SPACE BARS NO GREATER THAN 6" APART.



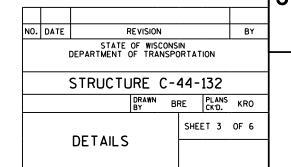






ELEVATION AT PIPE OPENINGS

∆ TIE TO WALL BARS



8

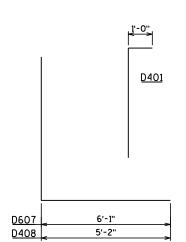
BILL OF BARS

BAR MARK	coar	NO. REQ'D.	LENGTH	SERIES	BENT	LOCATION
D401		18	5'-6"		х	OUTLET CUTOFF WALL
D402		6	17'-6"			OUTLET CUTOFF WALL
D403		10	15'-7"	Δ		OUTLET APRON
D404		14	9'-11"			OUTLET APRON
D405		2	6'-7"			OUTLET APRON
D406		2	2'-10"			OUTLET APRON
D607	х	8	12'-9"	Δ	х	OUTLET WINGS VERTICAL B.F.
D408	х	14	9'-1"	Δ	х	OUTLET WINGS VERTICAL B.F.
D409	х	22	5'-0"	Δ		OUTLET WINGS VERTICAL F.F.
D410	х	8	10'-1"			OUTLET WINGS HORIZONTAL
D411	х	16	6'-6"	Δ		OUTLET WINGS HORIZONTAL
D512	х	4	11'-3"			OUTLET WINGS HORIZONTAL, TOP

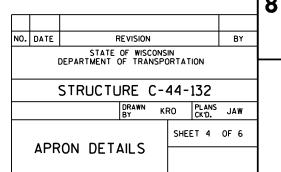
△ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR NO.	NO. REO'D.	LENGTH		
D403	1 SERIES OF 10	13'-2" TO 18'-0"		
D607	2 SERIES OF 4	12'-0" TO 13'-6"		
D408	2 SERIES OF 7	7'-6" TO 10'-8"		
D409	2 SERIES OF 11	2'-5" TO 7'-7"		
D411	4 SERIES OF 4	2'-11" TO 10'-1"		



BAR BEND DIAGRAMS



D402

D405

D406

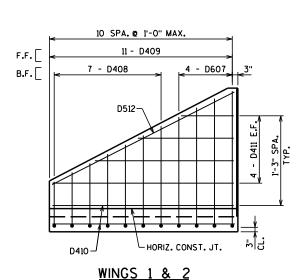
D405

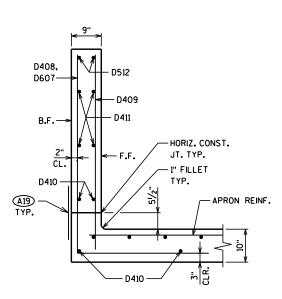
D406

D405

DOWNSTREAM

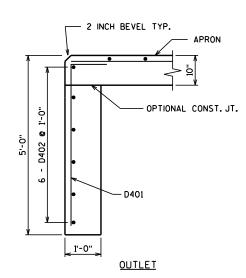
APRON REINFORCING





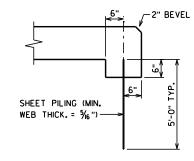
SECTION THRU WINGS

NORMAL TO WING WALLS



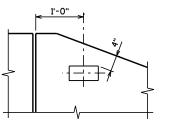
SECTION THRU CUT-OFF WALL

NORMAL TO WALL

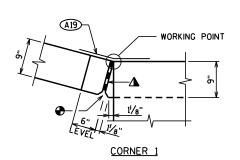


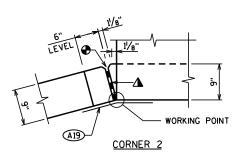
ALTERNATE CUT-OFF WALL

THE ABOVE ALT. MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONC. CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONC. CUT-OFF WALLS.



NAME PLATE
LOCATION WING 2





CORNER DETAILS

- ⚠ ¾" FILLER TYPICAL. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.
- 1" BEVEL TYPICAL
- (A19) 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL AND ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH (TYP.)



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- (B) PLATE %" X 6" X 10" WITH ¾" X 11/2" SLOTTED HOLES.
- (2B) 1/4" X 5" X 9" ANCHOR PLATE WITH 1/16" # HOLES FOR THR'D. RODS NO. 3.
- 3 %" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE RAIL POST ANCHORAGE: CONCRETE ADHESIVE ANCHORS %-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. EMBED 5" IN CONCRETE FOR END RAILS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.
- (4A) STRUCTURAL TUBING 3" X 3" X 36". PLACE VERTICAL. WELD TO NO.1 & 5.
- (5A) STRUCTURAL TUBING 3" X 11/2" X 3/6" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.
- (5C) STRUCTURAL TUBING 21/2" & (STANDARD SIZE) (2.875" O.D.). WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.
- (6A) BAR 1" X 1" PICKETS. WELD TO NO. 5 (SPACE AT 6" MAX. € TO € SPACING). PLACE VERTICAL.
- (9A) RECTANGULAR SLEEVE FABRICATED FROM 36" PLATES. PROVIDE "SLIDING FIT".
- 9B CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" # (STANDARD SIZE) (2.375" O.D.)
- (OA) RECTANGULAR SLEEVE FABRICATED FROM $3\!\!/_6$ " PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL JTS.)
- (OB) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" ¢ (STANDARD SIZE) (2.375" O.D.) (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2 C-44-132", WHICH SHALL

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

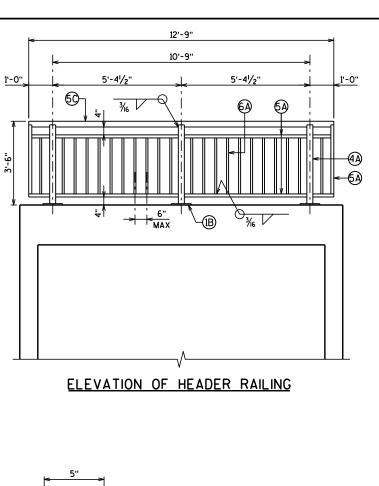
■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION.
PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST
CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED
TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 27038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

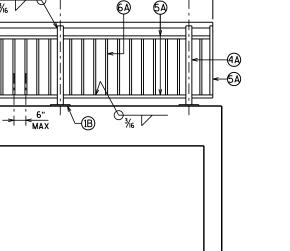
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

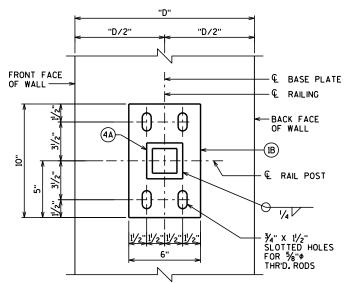
TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



FIELD CLIP

AS REO'D





ELEVATION OF TYPICAL WING RAILING

(LOOKING AT B.F.)

10'-9"

8'-51/4"

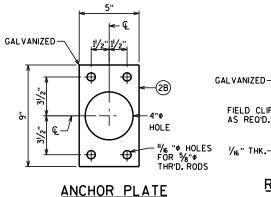
3/6 V

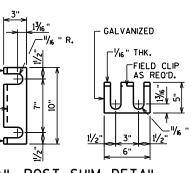
1'-0"

6A)-

8

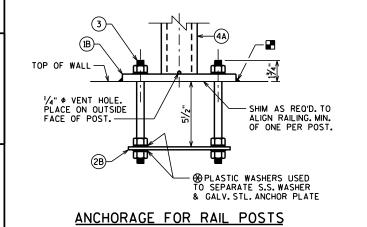
1:-33/4

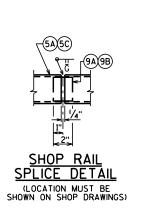


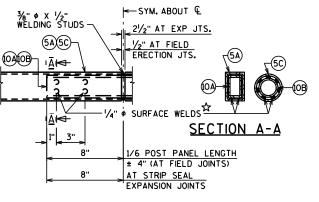


RAIL POST SHIM DETAIL (2 SETS PER POST)

TYPICAL RAIL POST BASE PLATE







FIELD ERECTION JOINT DETAIL

☆ MIN. %" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

FILE NAME: F:+TR+JOBS+E2195A15+Sheets+C-44-132 05 C2 Rail.dgn

NOTE: ANCHOR PLATE NOT REQUIRED

WHEN TYPE S ANCHORS ARE USED.

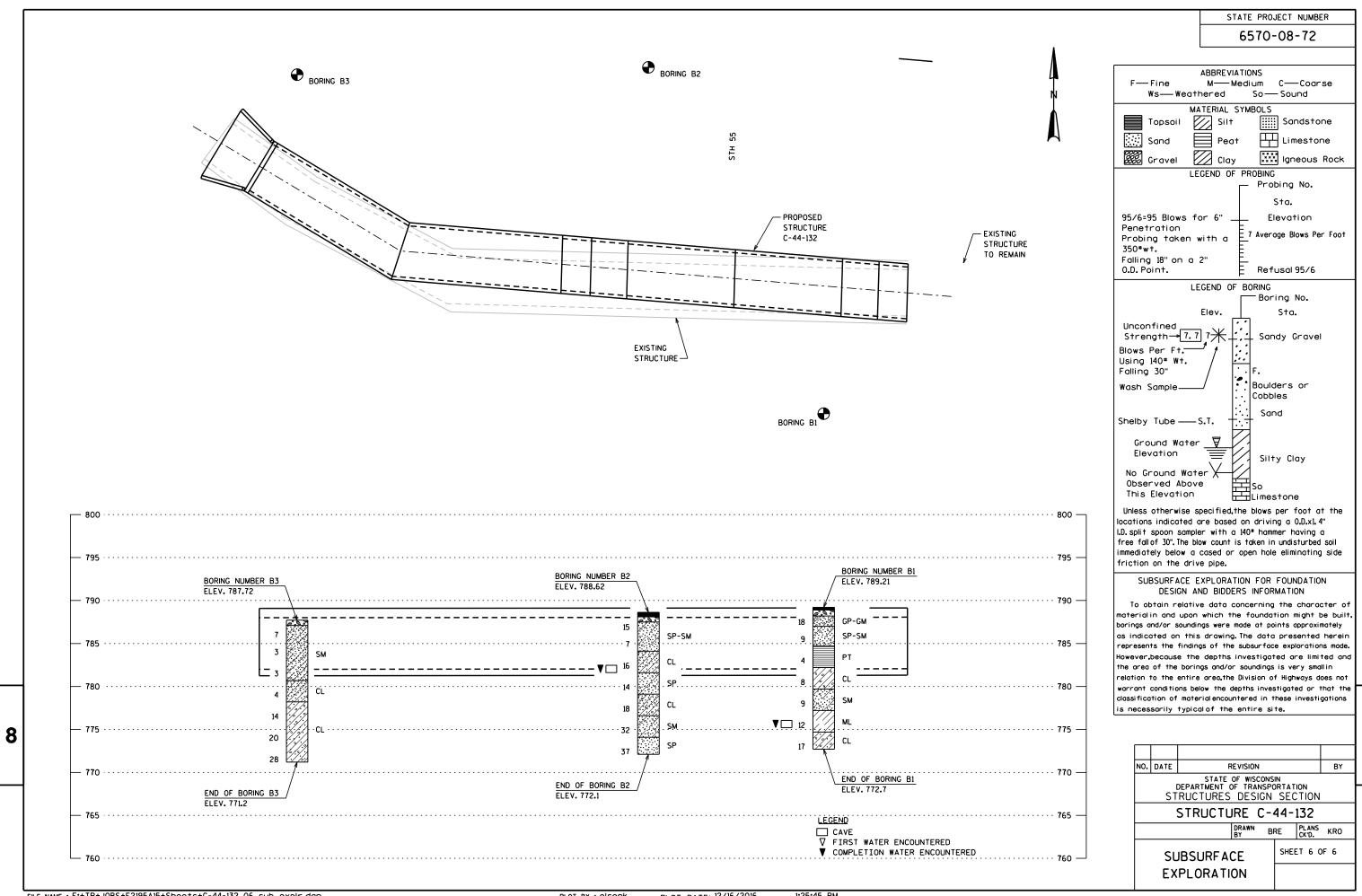
RAILING &

."D/2" [¡¡

SECTION THRU RAILING

"D/2"

NO. DATE REVISION BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE C-44-132 PLANS KRO BRE SHEET 5 OF 6 FENCE DETAILS

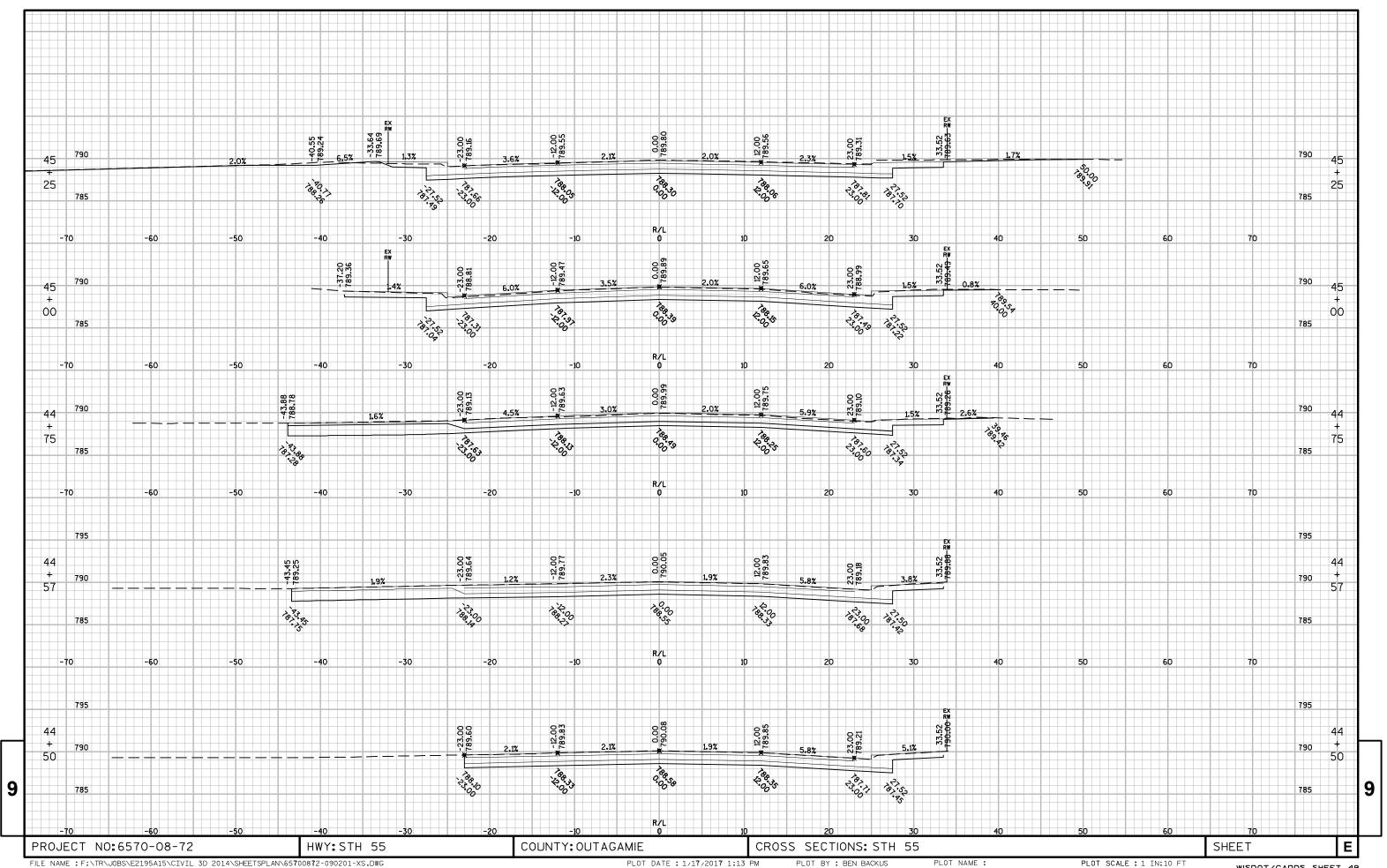


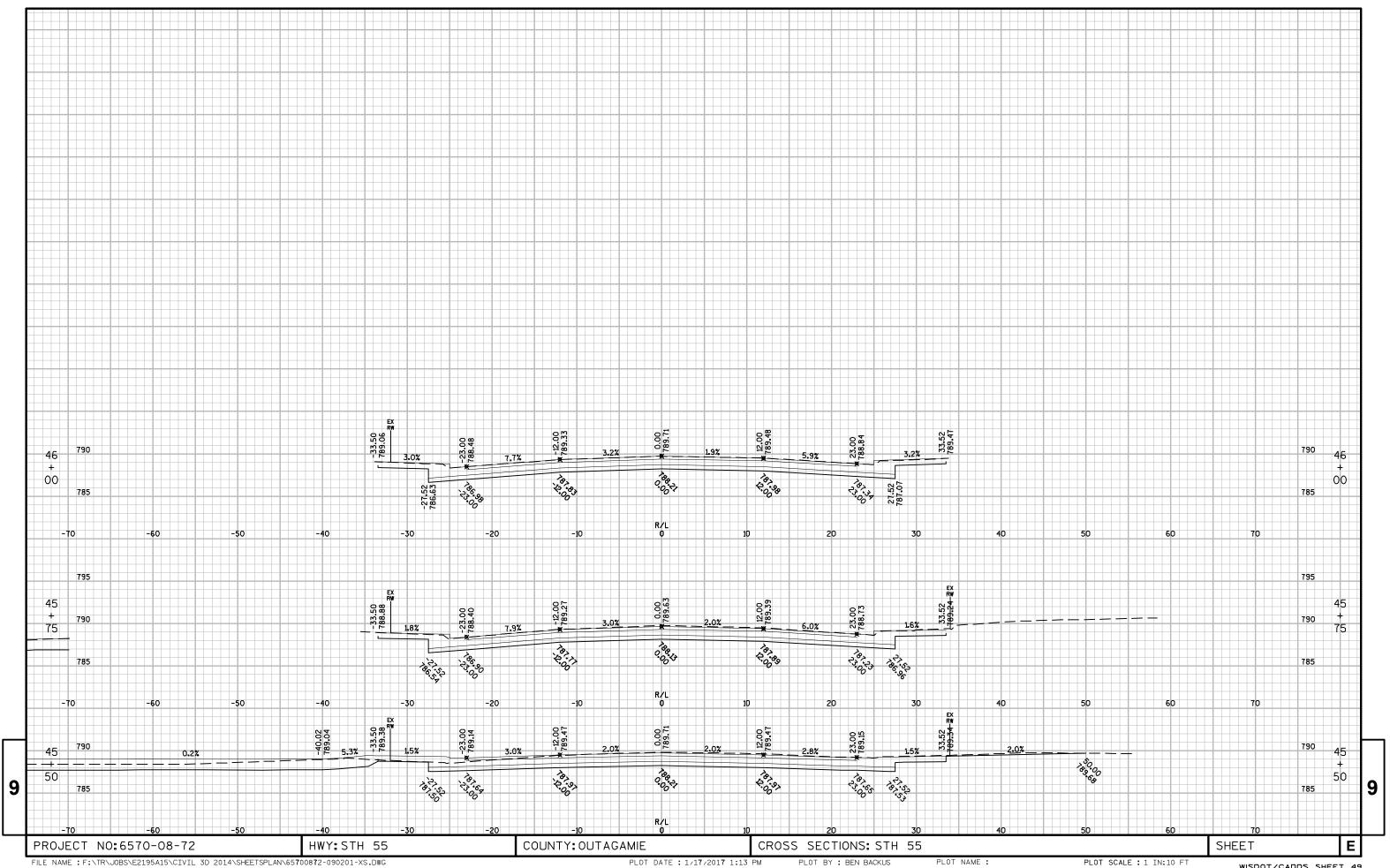
			AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)	
	Real Station		Cut	Fill	Cut	Fill	Cut	Expanded Fill
STATION		Distance					1.00	1.25
44+50	4450.00	0.00	80.75	0.00	0	0	0	0
44+57	4456.65	6.65	111.78	0.00	24	0	24	0
44+75	4475.00	18.35	110.20	0.00	75	0	99	0
45+00	4500.00	25.00	91.11	0.00	93	0	192	0
45+25	4525.00	25.00	95.54	0.00	86	0	279	0
45+50	4550.00	25.00	87.44	0.00	85	0	363	0
45+75	4575.00	25.00	95.37	0.00	85	0	448	0
46+00	4599.99	24.99	92.47	0.00	87	0	535	0
STH 55 TOTALS:				OTALS:	535	0		

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PROJECT NO:6570-08-72 HWY:STH 55 COUNTY:OUTAGAMIE EARTHWORK QUANTITIES SHEET **E**

PLOT BY : BEN BACKUS





Notes



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