GRE Jan 10, 2023

PROJECT ID: WITH: 4656-08-71

4656-07

ORDER OF SHEETS

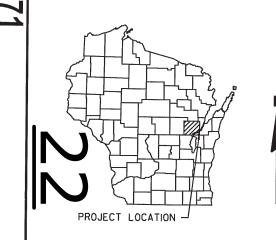
Section No.	1	Title
Section No.	, 2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section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

	•	oran and boran brainingo
tion No.	7	Sign Plates
tion No.	8	Structure Plans
tion No.	9	Computer Earthwork Data
tion No.	9	Cross Sections

50

TOTAL SHEETS =

Sec



DESIGN DESIGNATION 4656-07-00 A.A.D.T. 2023 = 49 A.A.D.T. 2043 = 54 D.H.V. = 7

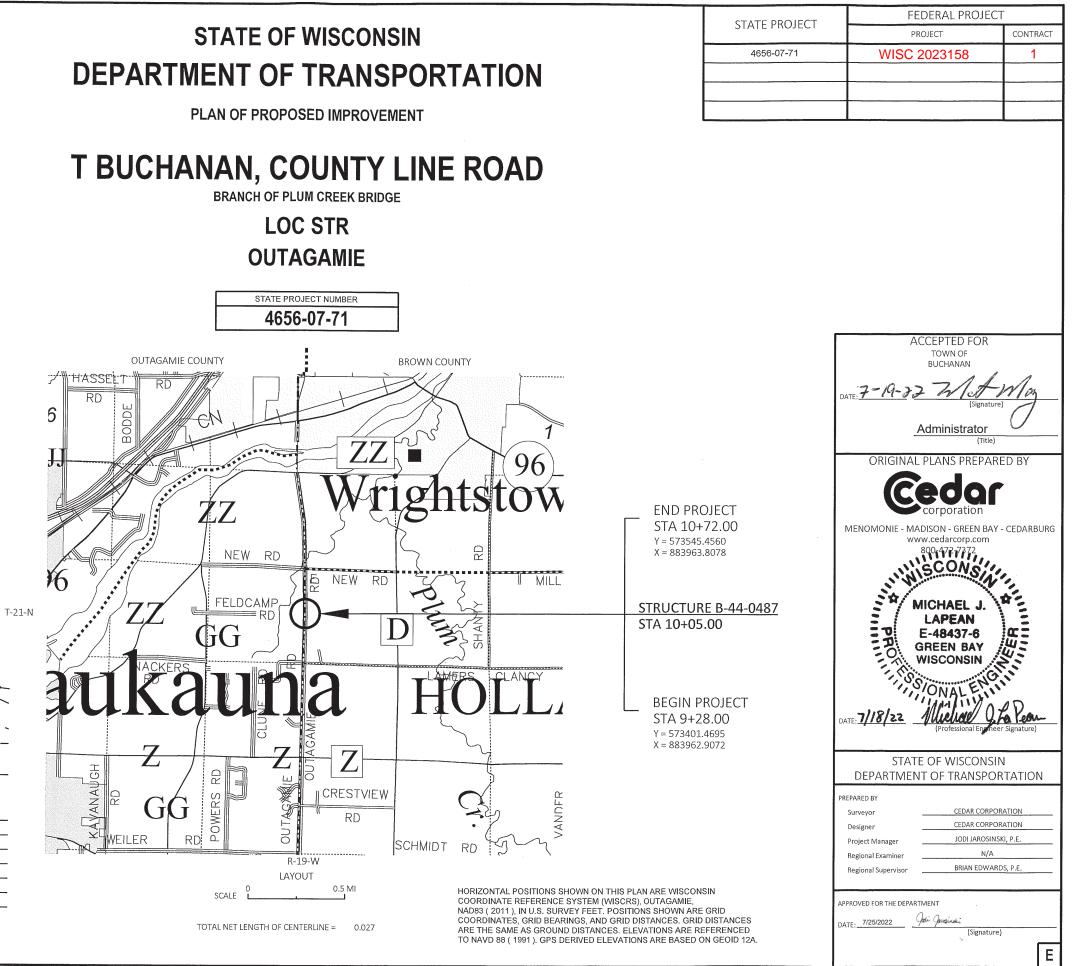
D.D.	=	60/40
Т.	=	10
DESIGN SPEED	=	30 MPH
ESALS	=	N/A

CONVENTIONAL SYMBOLS

	CONVENTIONAL STIVIDC	/L3	
	PLAN		PROFILE
L	CORPORATE LIMITS	<u>///////</u>	GRADE LINE
L	PROPERTY LINE		ORIGINAL GROUND
l	LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)
L	LIMITED HIGHWAY EASEMENT	L	SPECIAL DITCH
	EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE		GRADE ELEVATION
L	SLOPE INTERCEPT		CULVERT (Profile View)
	REFERENCE LINE	3CO'EB'	UTILITIES
L	EXISTING CULVERT		ELECTRIC
	PROPOSED CULVERT		FIBER OPTIC
L	(Box or Pipe)	· · · · · · · · · · · ·	GAS
	COMBUSTIBLE FLUIDS	M	SANITARY SEWER
	COMBOSTIBLE FLUIDS	-CAUTION-	STORM SEWER
			TELEPHONE
	MARSH AREA	(II)	WATER
			UTILITY PEDESTAL
			POWER POLE
	WOODED OR SHRUB AREA	{	TELEPHONE POLE

STATE OF WISCONSIN

LOC STR



OUTAGAMIE

I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\46560700\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/18/2022 3:33 PM

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ROCK

LABEL

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GENERAL NOTES

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

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

D.O.T. BRIDGE BENCHMARK MONUMENT TO BE FURNISHED BY THE STATE AND PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

DNR CONTACT

DNR NORTHEAST REGIONAL OFFICE 2984 SHAWANO AVENUE GREEN BAY, WI 54313 ATTN: MATTHEW D. SCHAEVE (920) 366-1544 PH: EMAIL: matthew.schaeve@wisconsin.gov

DESIGN CONSULTANT CONTACT

CEDAR CORPORATION 1695 BELLEVUE STREET GREEN BAY, WI 54311 ATTN: MICHAEL J. LAPEAN, P.E. PH: (920)785-7314 EMAIL: mike.lapean@cedarcorp.com

MUNICIPALITY

TOWN OF BUCHANAN N178 COUNTY ROAD N APPLETON, WI 54915 ATTN: MAGGIE MAHONEY, TOWN ADMINISTRATOR PH: (920)734-8599 EMAIL: MaggieM@townofbuchanan.org

WISDOT PROJECT MANAGER

WISDOT NE REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 ATTN: JODI JAROSINSKI, P.E. PH: (920)360-2351 EMAIL: jodi.jarosinski@dot.wi.gov

STANDARD ABBREVIATIONS

AGG ET AL AADT BF BM C/L OR € Δ CLR CONC CONC CONST COR CTH CR CFS CULV D DHV DIA E EL EST FPS FE FT FTG FDN FF FT FTG FDN FF IP LT LHF L LF MAX MIN NC N N NO	AGGREGATE AND OTHERS ANNUAL AVERAGE DAILY TRAFFIC BACK FACE BENCHMARK CENTERLINE CENTRAL ANGLE OR DELTA CLEAR CONCRETE CONSTRUCTION CORNER CORRUGATED METAL PIPE COUNTY TRUNK HIGHWAY CREEK CUBIC FEET/SECOND CULVERT DEGREE OF CURVE DESIGN HOUR VOLUME DIAMETER EAST ELEVATION ESTIMATED FEET PER SECOND FIELD ENTRANCE FOOT (FEET) FOOTING FOUNDATION FRONT FACE IRON PIN LEFT LEFT-HAND FORWARD LENGTH OF CURVE LINEAR FOOT MAXIMUM MILE MINIMUM NORMAL CROWN NORTH NORTHEAST NORTHWEST NUMBER	PC PI PT POL PE PL PSI PROP R RR REBAR REQ'D RT RHF R/W RD SEC S SE SW STH STA SE SW STH STA SE T TEL TEMP TI TLE TLOR T/L T YP U/G USH VAR V VPC VPI VPC VPI W YB
--	--	--

OFFSET POINT OF CURVATURE POINT OF INTERSECTION POINT OF TANGENCY POINT ON LINE PRIVATE ENTRANCE PROPERTY LINE POUNDS/SQUARE INCH PROPOSED RADIUS RAILROAD REINFORCEMENT BAR REQUIRED RIGHT RIGHT-HAND FORWARD RIGHT-OF-WAY ROAD SECTION SOUTH SOUTHEAST SOUTHWEST STATE TRUNK HIGHWAY STATION SUPER ELEVATION TANGENT TELEPHONE TEMPORARY TEMPORARY INTEREST TEMPORARY LIMITED EASEMENT TRANSIT LINE TRUCKS TYPICAL UNDERGROUND UNITED STATES HIGHWAY VARIABLE VELOCITY VERTICAL POINT OF CURVATURE VERTICAL POINT OF INTERSECTION VERTICAL POINT OF TANGENCY WEST YARD

RUNOFF COEFFICIENT TABLE

					F	IYDROLOGIC	SOIL GROU	JP					
		А			В			С			D		
	SLOPE	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38	
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41		
MEDIAN STRIP-TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	2 - 6 6 & OVER .28 .38 .41 .56 .25 .30 .32 .40 .30		
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40	
SIDE SLOPE TURF			.25			.27			.28			.30	
			.32			.34			.36			.38	
PAYMENT:													
ASPHALT:						.70 -	95						
CONCRETE:						.80	95						
BRICK:						.70 -	80						
DRIVES, WALKS:	İ					.75 -	85						
ROOFS:						.75 -	95						
GRAVEL ROADS, SHOULDERS:						.40	60						
TOTAL PROJECT AREA = 0.22 ACRES													

TOTAL PROJECT AREA = 0.22 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.14 ACRES

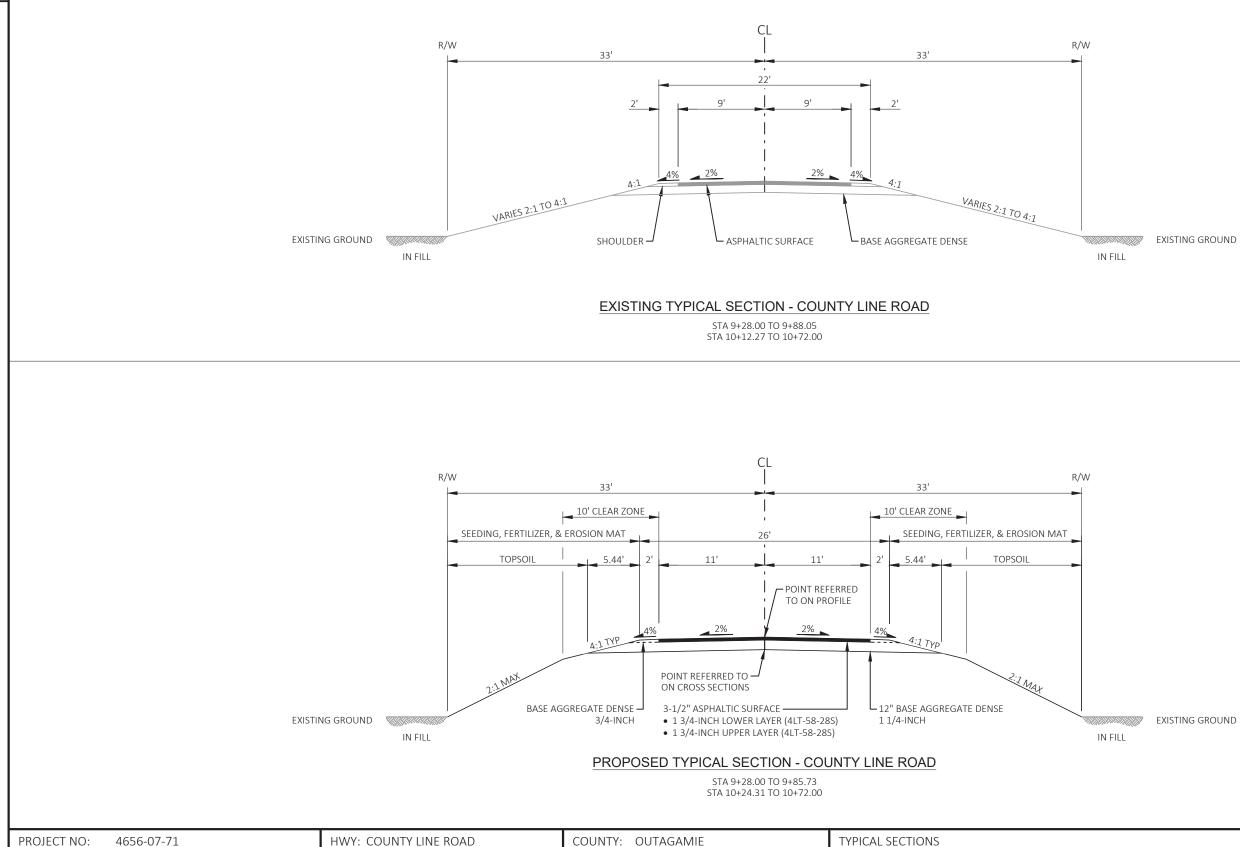
PROJECT N	NO: 4656-07-71	HWY: COUNTY LINE ROAD	COUNTY: OUTAGAMIE		GENERAL NOTE		
FILE NAME : I	I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUN	TY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\465	60700\SHEETSPLAN\020101-GN.DWG PLOT DATE :	7/14/2022 2:58 PM	PLOT BY :	MIKE LAPEAN	PLOT NAME :

PLOT BY : MIKE LAPEAN



**DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS.

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I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\46560700\SHEETSPLAN\020301-TS.DWG PLOT DATE : FILE NAME : LAYOUT NAME - TS-1

7/14/2022 4:15 PM PLOT BY : PLOT NAME :

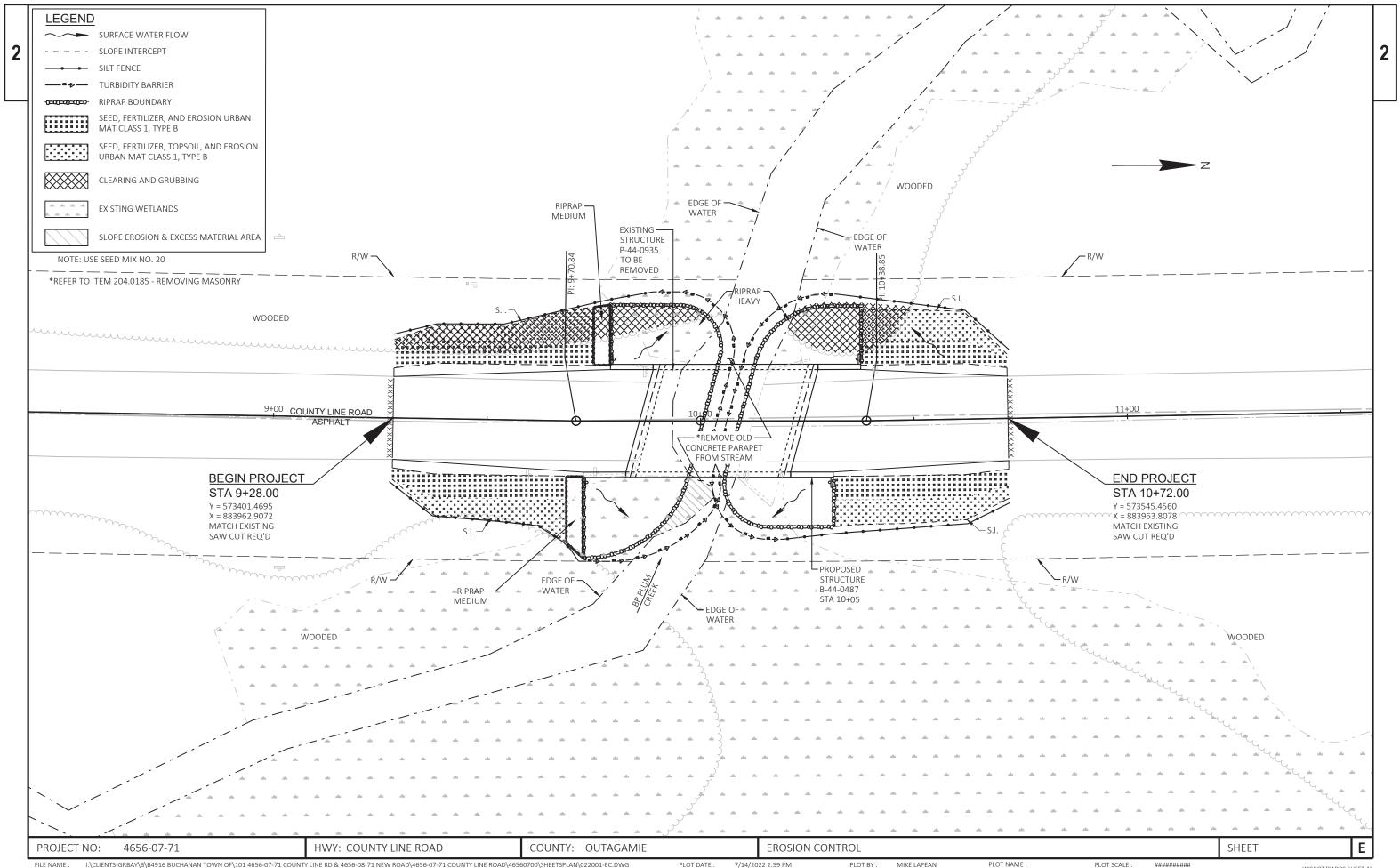
MIKE LAPEAN

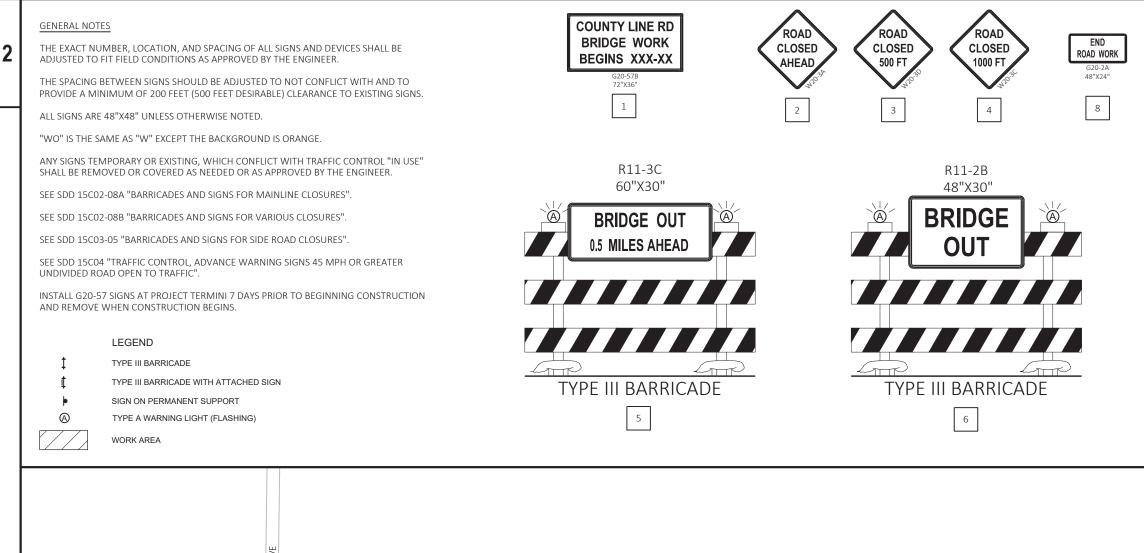
2

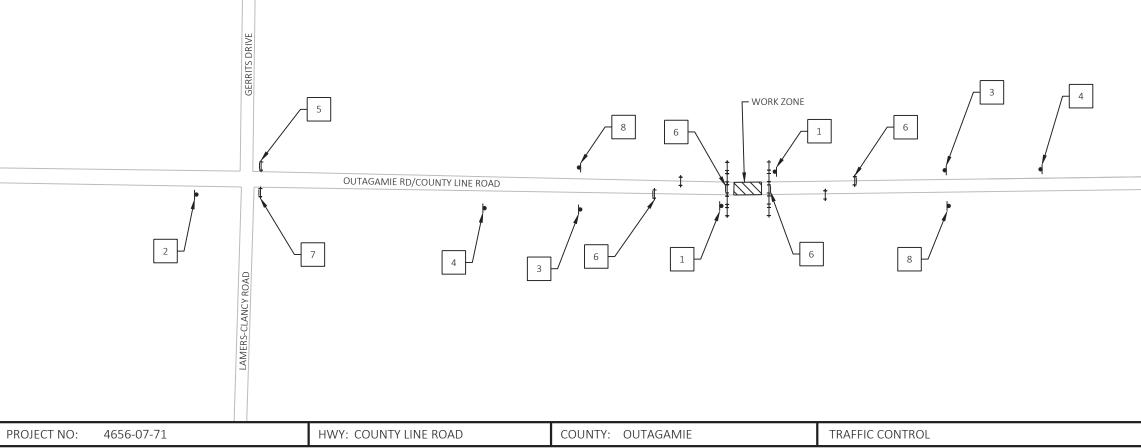
EXISTING GROUND

SHEET

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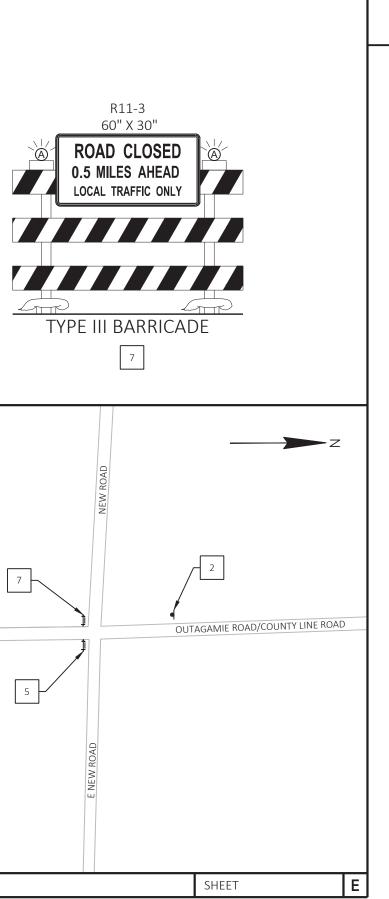






FILE NAME : I:\CLIENTS-GRBAY\8\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\46560700\SHEETSPLAN\025100-TC.DWG PLOT DATE : 7/15/2022 3:02 PM PLOT BY : MIKE LAPEAN LAYOUT NAME - 025100-tc

PLOT NAME :

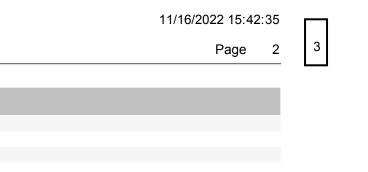


Estimate Of Quantities By Plan Sets

					•	
					4656-07-71	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0105	Clearing	STA	2.000	2.000	
0002	201.0205	Grubbing	STA	2.000	2.000	
0004	203.0250	Removing Structure Over Waterway Remove Debris (structure) 01. B-44-0487	EACH	1.000	1.000	
0012	203.0230	Removing Masonry	CY	4.000	4.000	
0012	205.0100	Excavation Common	CY	99.000	99.000	
0014	206.1001	Excavation common Excavation for Structures Bridges (structure) 01. B-44-0487	EACH	1.000	1.000	
0020	208.0100	Borrow	CY	6.000	6.000	
0020	210.1500	Backfill Structure Type A	TON	200.000	200.000	
0022	213.0100	Finishing Roadway (project) 01. 4656-07-71	EACH	1.000	1.000	
0024	305.0110	Base Aggregate Dense 3/4-Inch	TON	8.000	8.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	237.000	237.000	
0030	455.0605	Tack Coat	GAL	18.000	18.000	
0032	465.0105	Asphaltic Surface	TON	53.000	53.000	
0034	502.0100	Concrete Masonry Bridges	CY	142.000	142.000	
0038	502.0100	Protective Surface Treatment	SY	103.000	142.000	
0038	502.3200	Pigmented Surface Sealer	SY	58.000	58.000	
0040	502.3210	Bar Steel Reinforcement HS Structures	LB	3,060.000	3,060.000	
0042	505.0400	Bar Steel Reinforcement HS Coated Structures	LB	18,550.000	18,550.000	
	505.0600		SY	16.000	16.000	
0048 0050	550.1100	Rubberized Membrane Waterproofing	LF	560.000	560.000	
0050	606.0200	Piling Steel HP 10-Inch X 42 Lb	CY	9.000	9.000	
	606.0200	Riprap Medium	CY	9.000	9.000	
0054 0056	606.0300	Riprap Heavy Pipe Underdrain Wrapped 6-Inch	LF	170.000	160.000	
0058	612.0406		EACH	1.000	1.000	
	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4656-07-71 Mobilization	EACH	0.500	0.500	
0062			MGAL			
0064	624.0100	Water		4.000	4.000	
0066	625.0100	Topsoil Silt Eanon	SY	102.000	102.000	
0068	628.1504	Silt Fence	LF LF	422.000	422.000	
0070	628.1520	Silt Fence Maintenance		422.000	422.000	
0072	628.1905	Mobilizations Erosion Control Mobilizations Emergency Erosion Control	EACH EACH	3.000	3.000	
0074	628.1910	• •	SY	3.000	3.000	
0076	628.2008	Erosion Mat Urban Class I Type B		206.000	206.000	
0078	628.6005	Turbidity Barriers	SY	190.000	190.000	
0080	629.0210	Fertilizer Type B	CWT	0.130	0.130	
0082	630.0120	Seeding Mixture No. 20	LB	4.000	4.000	
0084	630.0200	Seeding Temporary	LB	4.000	4.000	
0086	630.0500	Seed Water	MGAL	5.000	5.000	
0088	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0090	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0092	638.2102	Moving Signs Type II	EACH	1.000	1.000	
0094	638.2602	Removing Signs Type II	EACH	10.000	10.000	
0096	638.3000	Removing Small Sign Supports	EACH	9.000	9.000	
0098	642.5001	Field Office Type B	EACH	0.500	0.500	
0100	643.0420	Traffic Control Barricades Type III	DAY	1,080.000	1,080.000	
0102	643.0705	Traffic Control Warning Lights Type A	DAY	1,680.000	1,680.000	
0104	643.0900	Traffic Control Signs	DAY	960.000	960.000	
0106	643.1000	Traffic Control Signs Fixed Message	SF	36.000	36.000	
0108	643.5000	Traffic Control	EACH	0.500	0.500	
0110	645.0111	Geotextile Type DF Schedule A	SY	54.000	54.000	



			Estimate	e Of Quantitie	es By Plan Se
					4656-07-71
Line	Item	Item Description	Unit	Total	Qty
0112	645.0120	Geotextile Type HR	SY	324.000	324.000
0114	650.4500	Construction Staking Subgrade	LF	106.000	106.000
0116	650.5000	Construction Staking Base	LF	106.000	106.000
0118	650.6501	Construction Staking Structure Layout (structure) 01. B-44-0487	EACH	1.000	1.000
0122	650.9911	Construction Staking Supplemental Control (project) 01. 4656-07-71	EACH	1.000	1.000
0126	650.9920	Construction Staking Slope Stakes	LF	92.000	92.000
0128	690.0150	Sawing Asphalt	LF	39.000	39.000
0130	715.0502	Incentive Strength Concrete Structures	DOL	850.000	850.000



CLEARING & GRUBBING

S	TATION	то	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
STATION		TO	STATION	LOCATION	STA	STA
9+2	8	-	10+02	LT	1	1
10+	+20	-	10+50	LT	1	1
				TOTAL 0010	2	2

	FROM/TO		COMMON		SALVAGED/UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL	UNEXPANDED	EXPANDED FILL (13) FACTOR	MASS ORDII
DIVISION	STATION	LOCATION	(2)	(3)	(4)	(5)	FILL	1.25	(14)
DIVISION 1 COUNTY LINE ROAD	09+28/09+78.93	SOUTH APPROACH	56	0	16	40	37	46	-6
DIVISION 1 SUBTOTAL			56	0	16	40	37	46	-6
DIVISION 2									
COUNTY LINE ROAD	10+31.08/10+72	NORTH APPROACH	43	0	13	30	22	28	3
DIVISION 2 SUBTOTAL			43	0	13	30	22	28	3
GRAND TOTAL			99	0	29	70	59	74	-4
	TOTAL CO	OMMON EXC		99					

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS, AND EXCLUDES THE AREA FROM WING TIPS TO THE BACK OF ABUTMENTS. THIS AREA IS CONSIDERED PART OF EXCAVATIO (2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(13) EXPANDED FILL FACTOR = 1.25

EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION. (15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

(16) CONTRACTOR MAY OBTAIN SUITABLE BORROW MATERIAL FROM OTHER DIVISIONS OR EXCAVATED MATERIAL UNDER BID ITEM EXCAVATION FOR STRUCTURES IN ACCORDANCE WITH STANDARD SPEC 208

BASE AGGREGATES

				305.0110	305.0120	624.0100				
				505.0110	BASE	024.0100				
				BASE	AGGREGATE					
				AGGREGATE	DENSE 1 1/4-			CATEGOF		to sta
				DENSE 3/4-INCH	INCH	WATER			di Station	10 517
	CATEGORY	STATION TO STA	TION LOCATION	TON	TON	MGAL		0010	9+28.00	- 9+8
								0010	10+24.32	
	0010	9+28.00 - 9+8	5.71 COUNTY LINE ROA	ND 5	131	2				
	0010	10+24.30 - 10+7	72.00 COUNTY LINE ROA	AD 3	106	2				
			TOTAL 0010	8	237	4				
			1011120010	Ŭ	207					
PROJECT I	NO: 4	656-07-71	HWY: COU	JNTY LINE ROAD	COL	INTY: OUTAGAMIE	MI	SCELLANEOUS QUANTITIES		

I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\46560700\SHEETSPLAN\030201-MQ.DWG PLOT DATE : LAYOUT NAME - 01 7/20/2022 3:56 PM MIKE LAPEAN FILE NAME : PLOT BY :

PLOT NAME :

REMOVING MASONRY

I	204.0185 REMOVING MASONRY CY	REN	1ARKS				
И CREEK И CREEK О	2 2 4	OLD CONCRETE PARAPET IN STREAM OLD CONCRETE PARAPET IN STREAM					
INATE +/- 4)	WASTE (15)	208.0100 BORROW (16)	COMMENT				
ō	0	6					
ò	0	6					
	3	0					
		_					
ŀ	3	6					
ON FOR STF	RUCTURES. ITEM NUM	IBER 205.0100					
DIVISION.	RUCTURES. ITEM NUM						
DIVISION.							
DIVISION.	AND MEASURED ACCO		465.0105 ASPHALTIC				
DIVISION.	AND MEASURED ACCO	RDING TO 208.4.1.					
91VISION. 08.2.2(2), 4	and measured acco	RDING TO 208.4.1. 455.0605 TACK COAT	ASPHALTIC SURFACE				
01VISION. 08.2.2(2), <i>A</i> <u>STATION</u> 9+85.73	AND MEASURED ACCO HMA LOCATION	0RDING TO 208.4.1. 455.0605 TACK COAT GAL 10	ASPHALTIC SURFACE TON 29				
01VISION. 08.2.2(2), <i>A</i> <u>STATION</u> 9+85.73	AND MEASURED ACCO HMA LOCATION COUNTY LINE ROAD COUNTY LINE ROAD	PRDING TO 208.4.1. 455.0605 TACK COAT GAL 10 8	ASPHALTIC SURFACE TON 29 24				
01VISION. 08.2.2(2), <i>A</i> <u>STATION</u> 9+85.73	AND MEASURED ACCO HMA LOCATION COUNTY LINE ROAD COUNTY LINE ROAD	PRDING TO 208.4.1. 455.0605 TACK COAT GAL 10 8	ASPHALTIC SURFACE TON 29 24				

WISDOT/CADDS SHEET 42

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						606.0200	645.0120 GEOTEXTILE TYPE		
						RIPRAP MEDIUM	HR		
CATEGORY	STATION	ТО	STATION	LT/RT	LOCATION	CY	SY	REMARKS	_
									CATEGORY
0010	9+68.69	-	9+72.49	RT	COUNTY LINE ROAD	5	8		
0010	9+74.93	-	9+78.93	LT	COUNTY LINE ROAD	4	6		0030
					TOTAL 0010	9	14		0050

RESTORATION

						625.0100	628.2008 EROSION MAT	629.0210	630.0120	630.0200	630.0500
							URBAN CLASS I	FERTILIZER TYPE	SEEDING	SEEDING	
						TOPSOIL	TYPE B	В	MIXTURE NO. 20	TEMPORARY	SEED WATER
CATEGORY	STATION	ТО	STATION	OFFSET	LOCATION	SY	SY	CWT	LB	LB	MGAL
0010	9+28.00	-	9+74.93	LT	COUNTY LINE ROAD	23	51	0.03	1	1	1
0010	9+28.00	-	9+68.69	RT	COUNTY LINE ROAD	22	45	0.03	1	1	1
0010	10+31.08	-	10+72.00	RT	COUNTY LINE ROAD	25	48	0.03	1	1	1
0010	10+37.51	-	10+72.00	LT	COUNTY LINE ROAD	23	43	0.03	1	1	1
0010					UNDISTRIBUTED	9	19	0.01	0	0	1
					_						
					TOTAL 0010	102	206	0.13	4	4	5

EROSION CONTROL

CATEGORY	STATION	ТО	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.6005 TURBIDITY BARRIERS SY	
0010 0010 0010	9+28 10+05	-	10+05 10+72	COUNTY LINE ROAD COUNTY LINE ROAD UNDISTRIBUTED	113 98 211	113 98 211	1 1 1	1 1 1	104 86	
				TOTAL 0010	422	422	3	3	190	

PROJECT NO	: 4656-07-71	HWY: COUNTY LINE ROAD	COUNTY: OUTAGAMIE		MISCELLANEOUS QUANTITIES	
FILE NAME : I:\CI	LIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNT	Y LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\4656	60700\SHEETSPLAN\030201-MQ.DWG_PLOT DATE :	7/20/2022 3:56 PM	PLOT BY : MIKE LAPEAN	PLOT NAME :

FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\46560700\SHEETSPLAN\030201-MQ,DWG PLOT DATE : 7/20/2022 3:56 PM LAYOUT NAME - 02

3

CATEGORY 30

	618.0100.01 MAINTENANCE
	AND REPAIR OF
	HAUL ROADS
	(PROJECT) (01.
	4656-07-71)
LOCATION	EACH
PROJECT	1
TOTAL 0030	1

3

REMARKS

SHEET

E

S	GN	ING

	638.3000 REMOVING SMALL SIGN	638.2602 REMOVING	638.2102 MOVING SIGNS	637.2230 SIGNS TYPE II	634.0612 POSTS WOOD 4X6-INCH X 12-						
	SUPPORTS	SIGNS TYPE II	TYPEII	REFLECTIVE F	FT			SIGN			
RE	EACH	EACH	EACH	SF	EACH	SIZE	SIGN CODE		LOCATION	STATION	CATEGORY
WEIGHTLI	1	1	-	-	-	-	R12-1	1R	RT	9+60	0010
BRIDGE	-	-	-	3.0	1	12X36	W5-52R	1	RT	9+72	0010
BRIDGEH	1	1	-	-	-	-	W5-52R	2R	RT	9+76	0010
BRIDGE	-	-	-	3.0	1	12X36	W5-52L	2	LT	9+79	0010
BRIDGEH	1	1	-	-	-	-	W5-52L	ЗR	LT	9+87	0010
BRIDGEH	1	1	-	-	-	-	W5-52L	4R	RT	10+10	0010
BRIDGEH	1	1	-	-	-	-	W5-52R	5R	LT	10+16	0010
BRIDGEH	-	-	-	3.0	1	12X36	W5-52L	3	RT	10+31	0010
BRIDGEH	-	-	-	3.0	1	12X36	W5-52R	4	LT	10+38	0010
WEIGHTLI	1	1	-	-	-	-	R12-1	6R	LT	10+41	0010
									DRTH OF TY LINE _AMERS-		
15 TON BRIDGE	1	1	-	-	-	48X18	R12-55	7R	Y ROAD	CLANC'	0010
									OUTH OF TY LINE	COUN	
15 TON BRIDGE	-	1	-	-	-	48X18	R12-55	8R	ew road	ROAD/NE	0010
									OUTH OF TY LINE		
MOVE ROUGH ROA	-	-	1	-	-	36x36	W8-8	5	EW ROAD OUTH OF		0010
NARRO	1	1	-	-	-		W5-2	9R	-0935 ORTH OF	P-44-	0010
NARRO	1	1	-	-	-		W5-2	10R	-0935	P-44-	0010
*ALL SIGNS TO	9	10	1	12.0	4	TOTAL 0010					

TRAFFIC CONTROL

CATEGORY	LOCATION	NUMBER OF BARRICADES TYPE III PER DAY	NUMBER OF WARNING LIGHTS TYPE A PER DAY	NUMBER OF SIGNS PER DAY	DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1000 TRAFFIC CONTROL SIGN FIXED MESSAGI SF
0	7-DAY ADVANCED WARNING	-	-	2	7	-	-	-	36.0
0010	PROJECT	14	28	18	60	1,080	1,680	960	-
						1,080	1,680	960	36.0

PROJE	ECT NO:	4656-07-71	HWY: COUNTY LINE ROAD	COUNTY: OUTAGAMIE		MISCELLANEOU	S QUANTITIES	
FILE NAME	E: I:\CLIENT	S-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNT	Y LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\4656	50700\SHEETSPLAN\030201-MQ.DWG PLOT DATE :	7/26/2022 10:00 AM	PLOT BY :	MIKE LAPEAN	PLOT NAME :

- - - - - · ·

LAYOUT NAME - 03

3

REMARKS

T LIMIT 15 TONS* GE HASH MARKS E HASH MARKS* GE HASH MARKS* E HASH MARKS* E HASH MARKS* GE HASH MARKS GE HASH MARKS

T LIMIT 15 TONS*

GE 0.5 MILES AHEAD*

GE 0.5 MILES AHEAD*

DAD SIGN TO TOP OF POST

ROW BRIDGE*

ROW BRIDGE*

*ALL SIGNS TO BE SALVAGED AND RETURNED TO TOWN OF BUCHANAN

643.5000

TRAFFIC CONTROL EACH REMARKS - G20-57 0.5 0.5 3

SHEET

E

CONSTRUCTION STAKING

						650.4500	650.5000	650.6501.01	650.9911.01	650.9920	
								CONSTRUCTION	CONSTRUCTION		
								STAKING	STAKING		
								STRUCTURE	SUPPLEMENTAL		
						CONSTRUCTION		LAYOUT	CONTROL	CONSTRUCTION	
						STAKING	CONSTRUCTION	(STRUCTURE)	(PROJECT) (01.	STAKING SLOPE	
						SUBGRADE	STAKING BASE	(01.B-440487)	4656-07-71)	STAKES	
CATEG	GORY ST.	ATION	ТО	STATION	LOCATION	LF	LF	EACH	EACH	LF	REMARI
001	LO				PROJECT	-	-	1	1	-	
001	LO 9+	28.00	-	9+78.93	COUNTY LINE ROAD	-	-	-	-	51	
001	LO 9+	28.00	-	9+85.73	COUNTY LINE ROAD	58	58	-	-	-	
001	LO 10-	+24.31	-	10+72.00	COUNTY LINE ROAD	48	48	-	-	-	
001	LO 10-	+31.08	-	10+72.00	COUNTY LINE ROAD	-	-	-	-	41	
					TOTAL 0010	106	106	1	1	92	

<u>SAWCUT</u>

			690.0150 SAWING ASPHALT
CATEGORY	STATION	LOCATION	LF
0010	9+28.00	COUNTY LINE ROAD	19
0010	10+72.00	COUNTY LINE ROAD	20
		TOTAL 0010	39

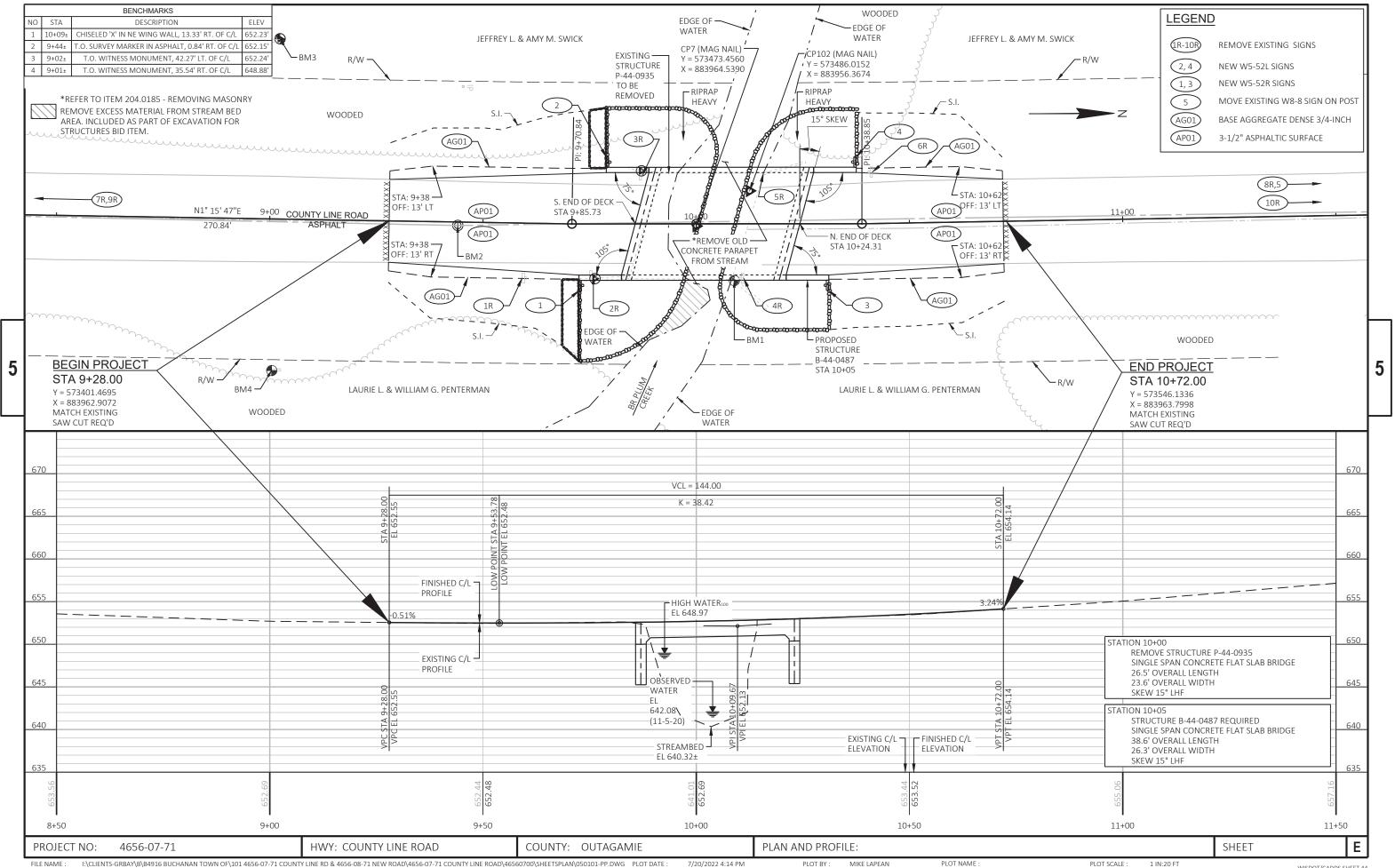
PROJEC	T NO: 4656-07-71	HWY: COUNTY LINE ROAD	COUNTY: OUTAGAMIE		MISCELLANEOUS QUANTITIES			
FILE NAME :	I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNT LAYOUT NAME - 04	Y LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\465	60700\SHEETSPLAN\030201-MQ.DWG PLOT DATE :	7/20/2022 3:56 PM	PLOT BY :	MIKE LAPEAN	PLOT NAME :	

3

ARKS

SHEET

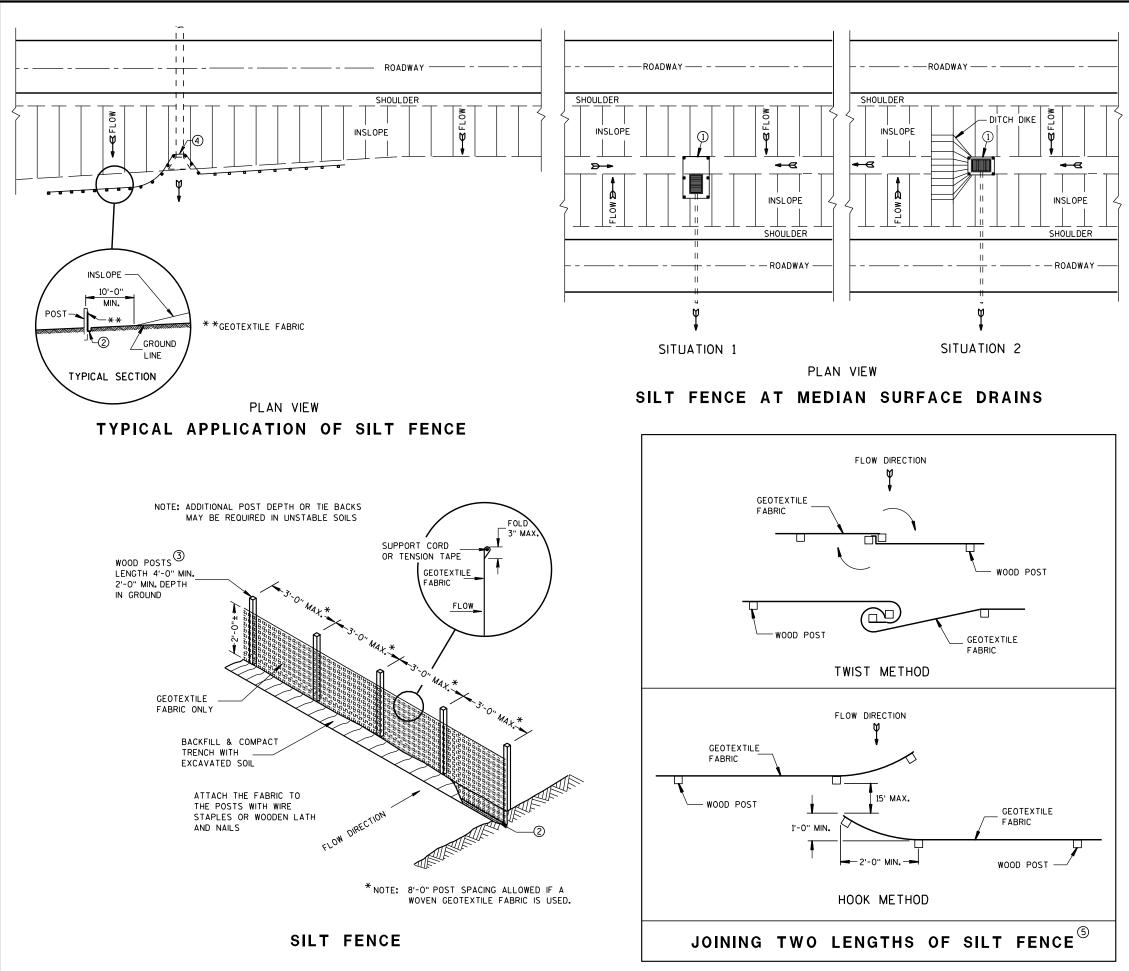
E



Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-08в	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNE
15C06-10	SIGNING & MARKING FOR TWO LANE BRIDGES
15С11-09в	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

NDIVIDED ROAD OPEN TO TRAFFIC



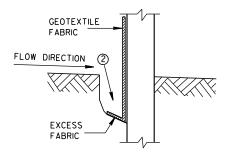
S.D.D. 8 E 9

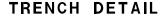
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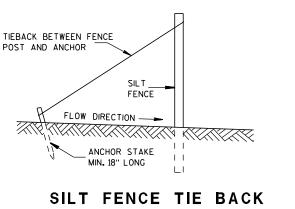
GENERAL NOTES

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

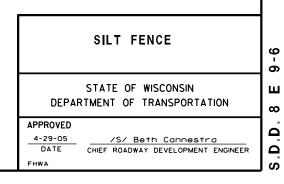
- \bigcirc horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- (3) WOOD POSTS SHALL BE A MINIMUM SIZE OF $1/_8$ " X $1/_8$ " 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.

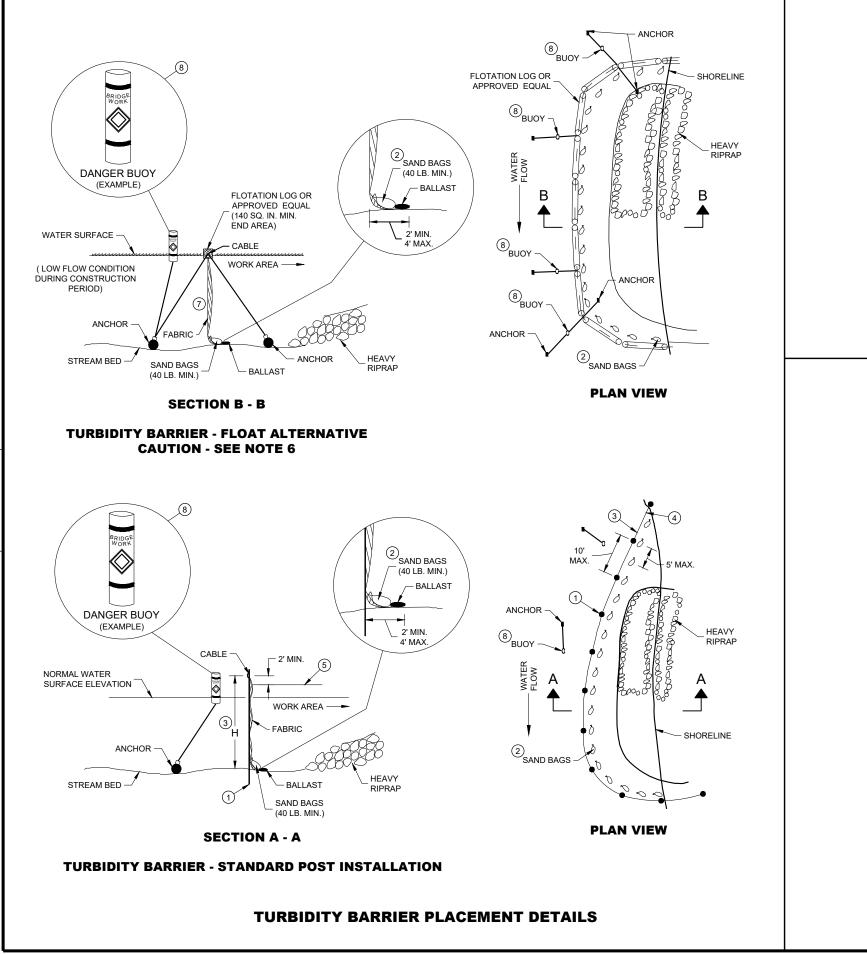




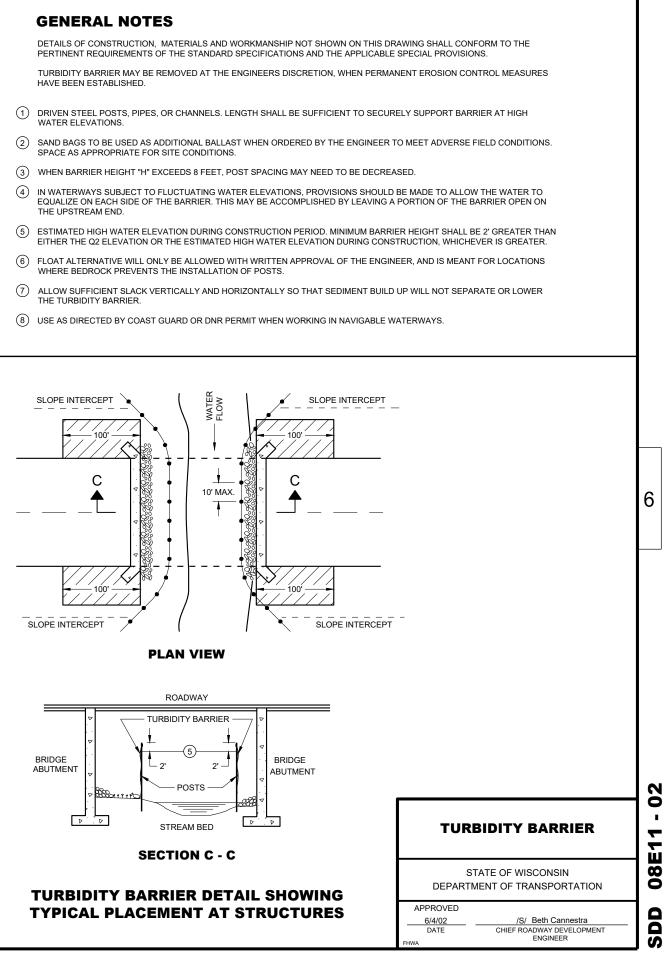


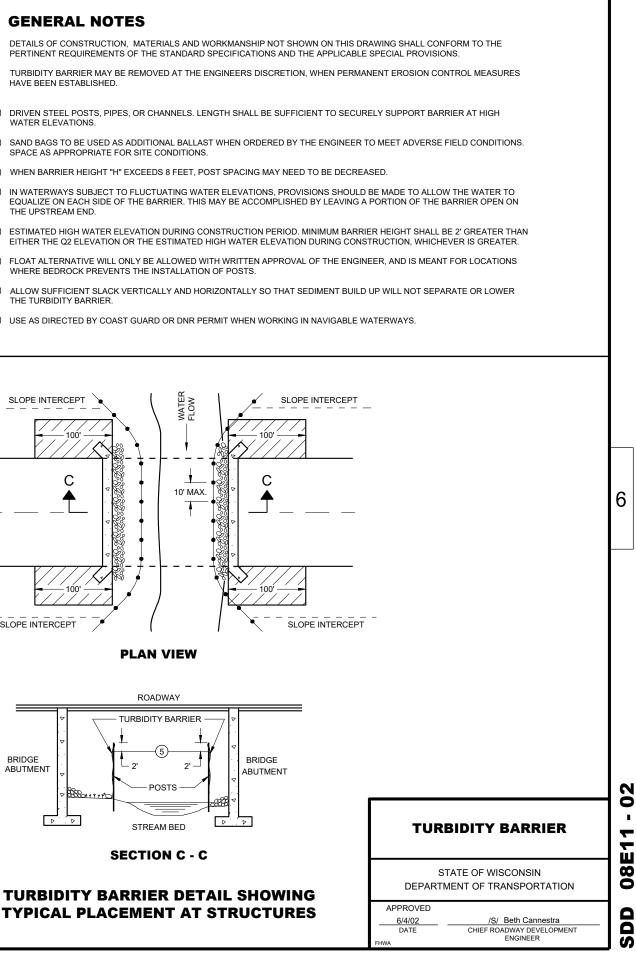
(WHEN REQUIRED BY THE ENGINEER)



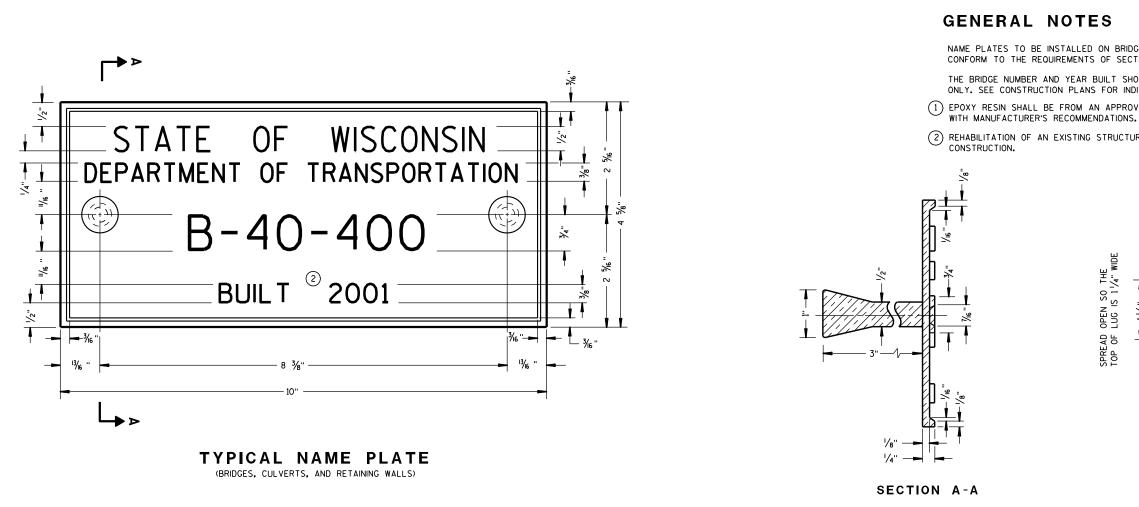


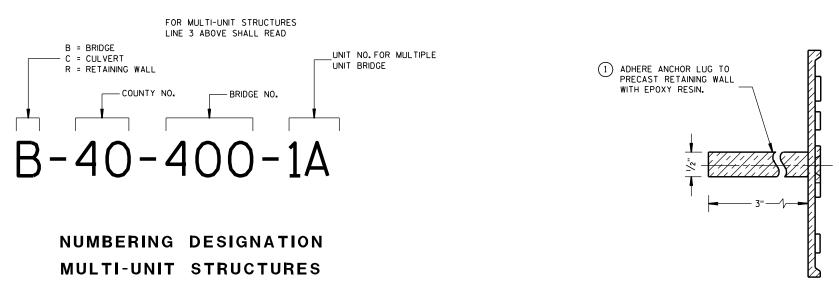
- WATER ELEVATIONS.





SDD 08E -. 02



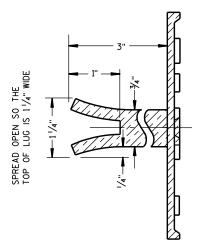


ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

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

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE



ALTERNATE LUG

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

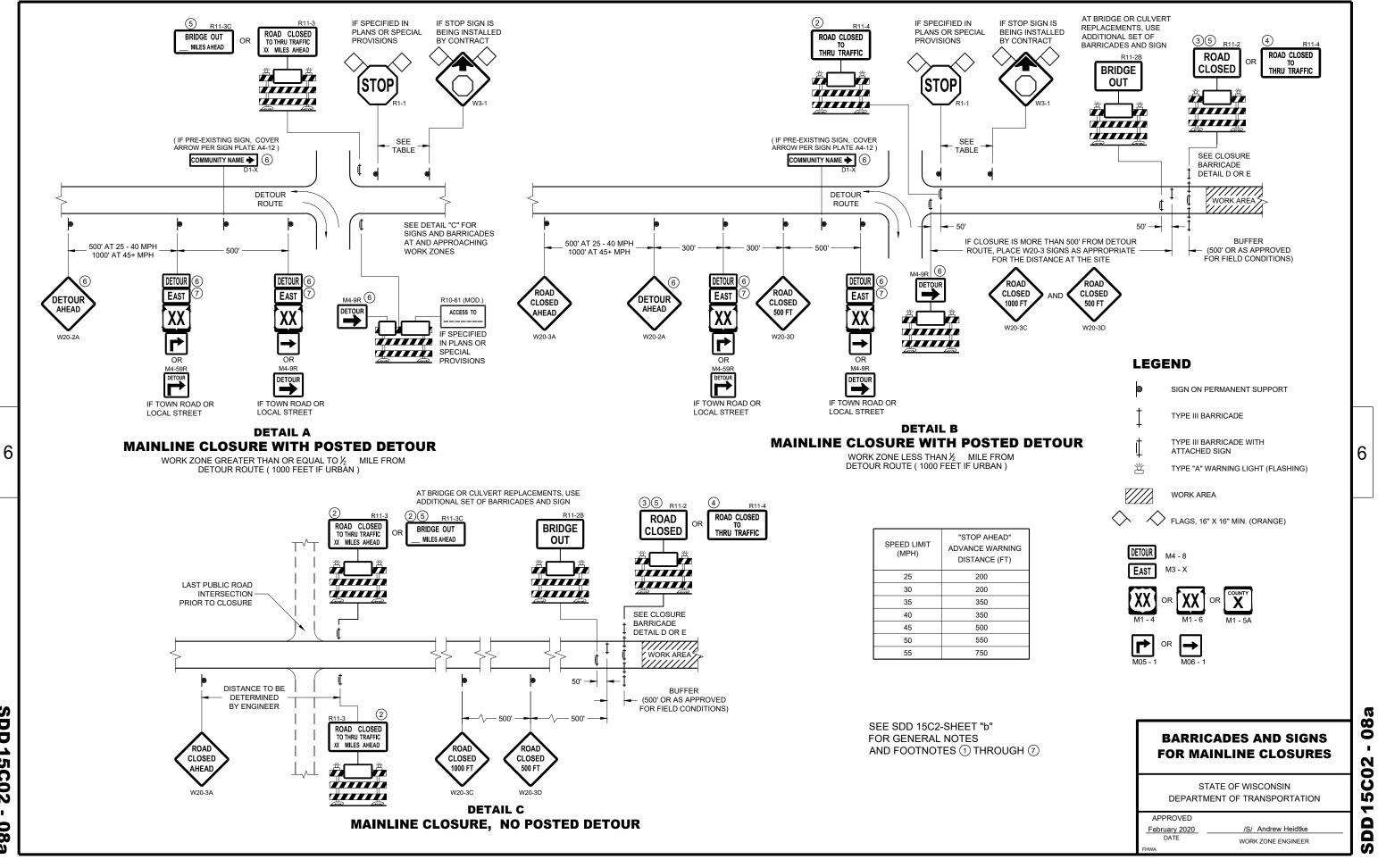
APPROVED

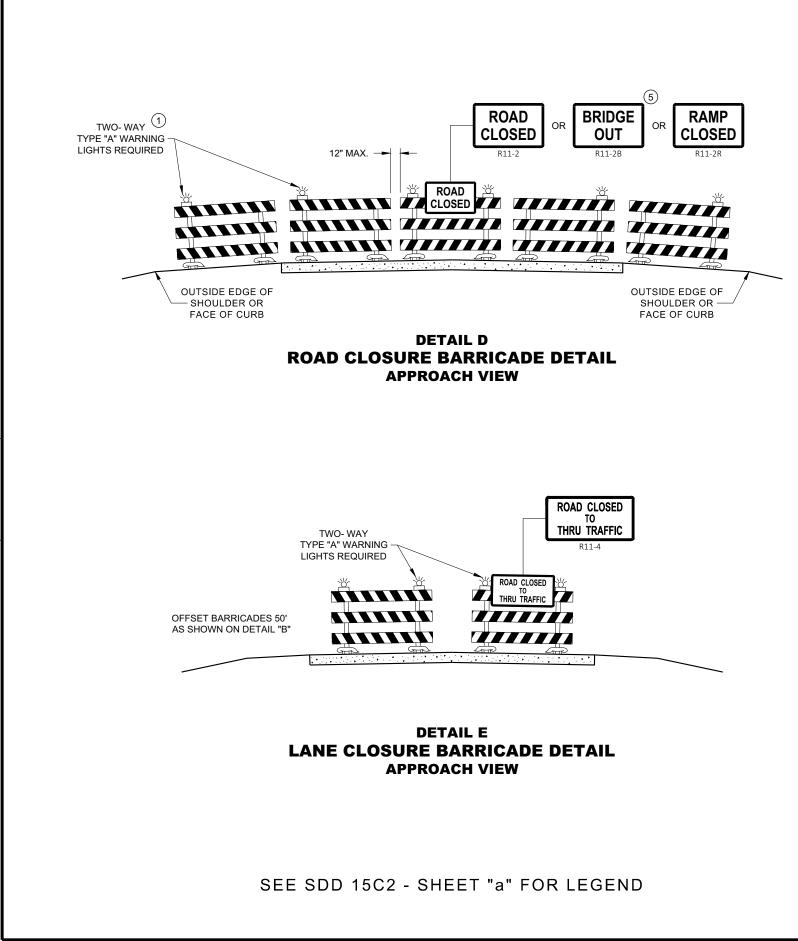
3/26/10 DATE FHWA

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2 Δ

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GENERAL NOTES

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

FULL ROAD CLOSURES.

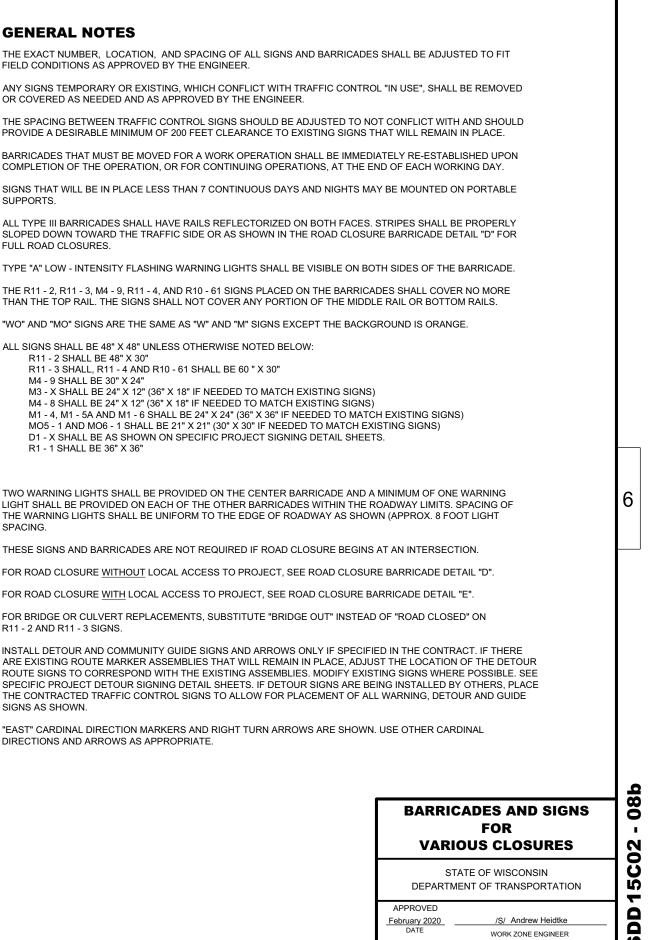
THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

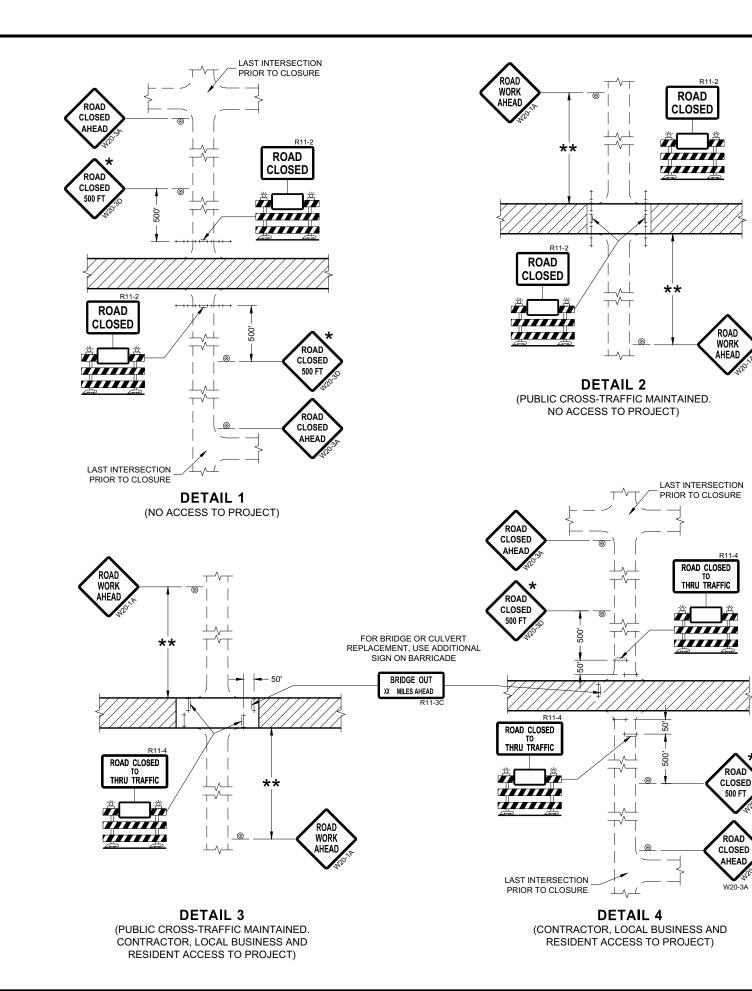
- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11 - 2 SHALL BE 48" X 30"
 - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " X 30" M4 - 9 SHALL BE 30" X 24"
 - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
 - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

 - 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 THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE SIGNS AS SHOWN.
- (7)"EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

6



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GENERAL NOTES

AS APPROVED BY THE ENGINEER.

NEEDED AND AS APPROVED BY THE ENGINEER.

SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

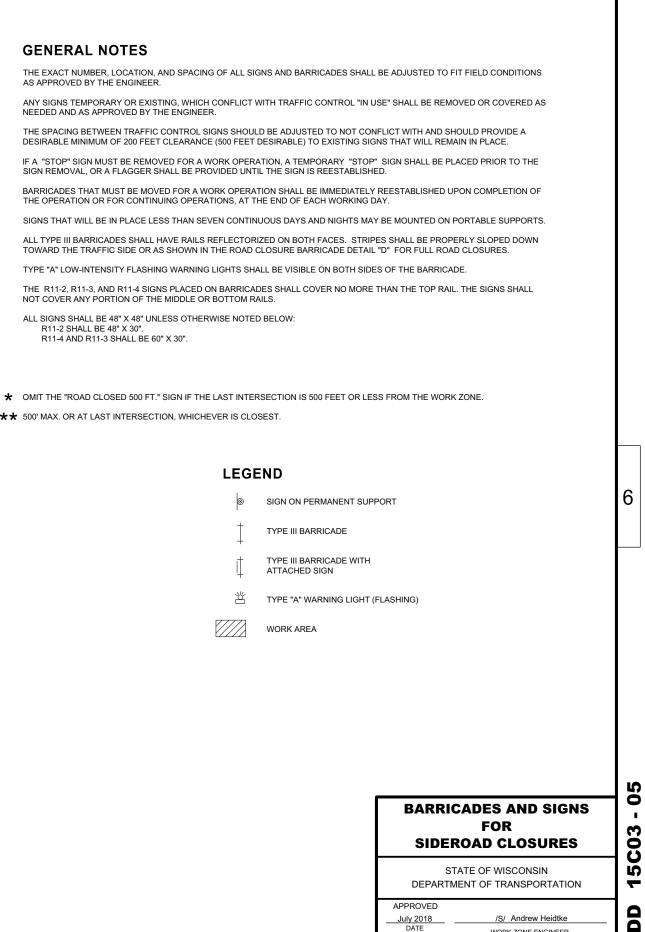
NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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".

★★ 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

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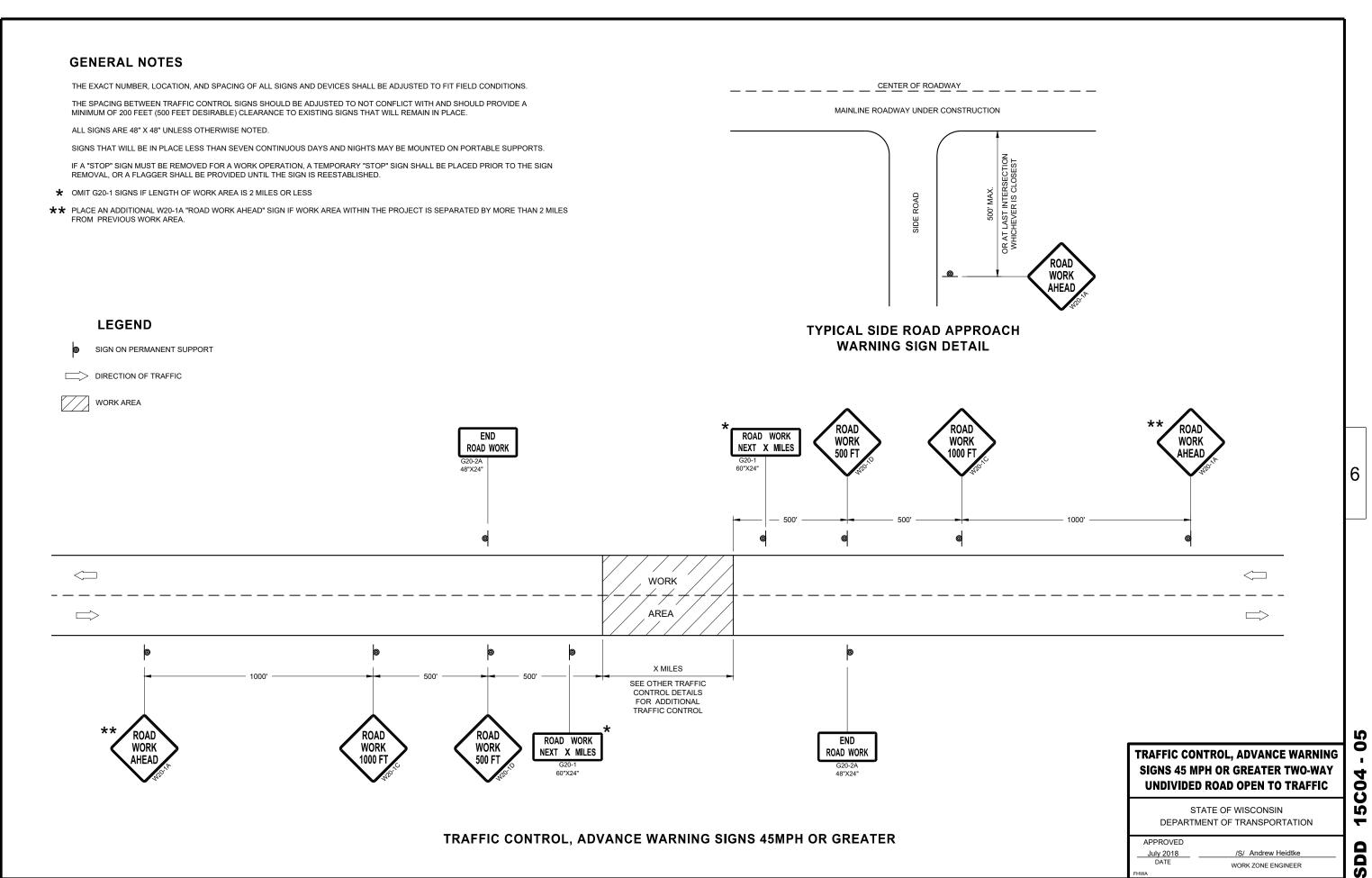




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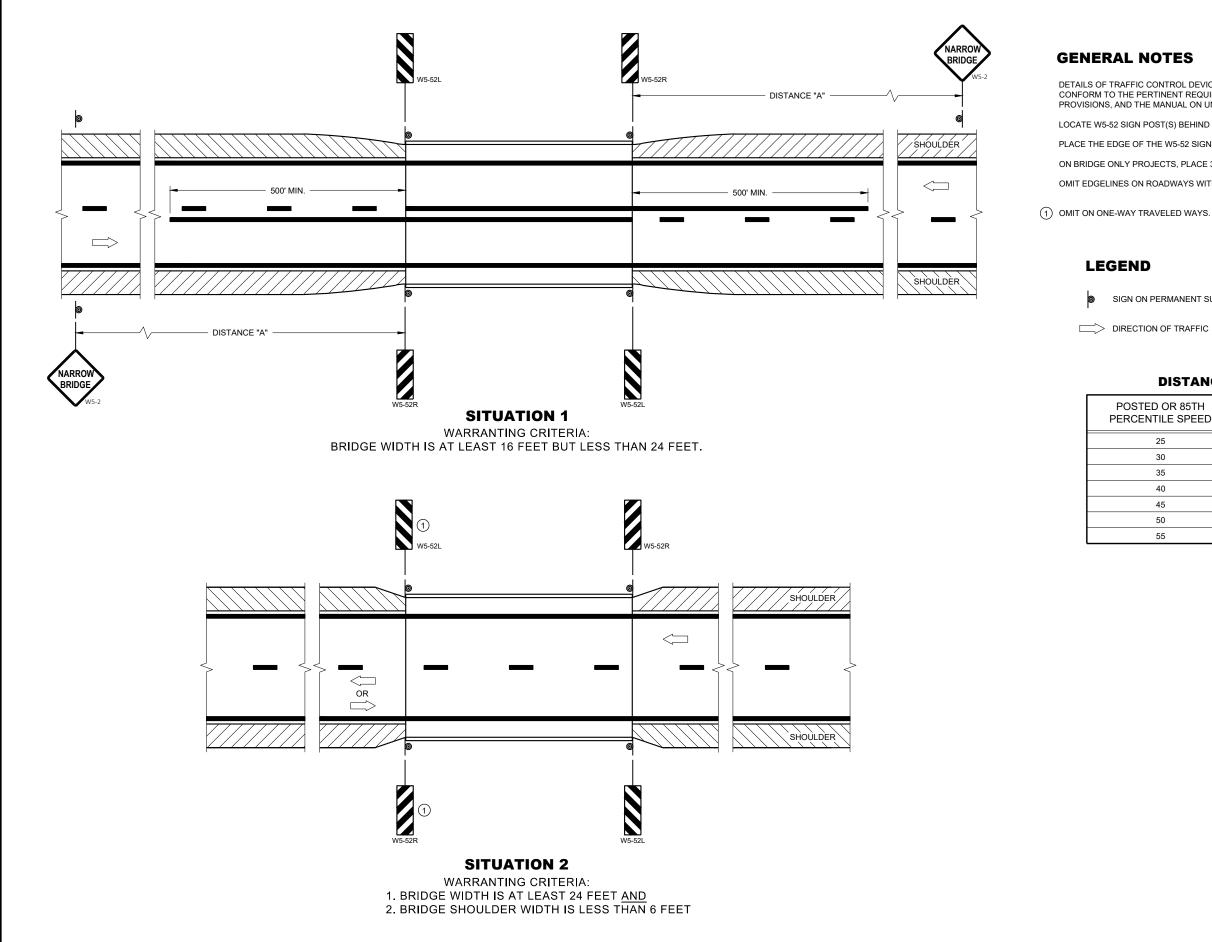
WORK ZONE ENGINEER

July 2018 DATE



SDD

15C04



SDD 15006

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DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

OSTED OR 85TH RCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

6

0 7 **C**06 Ñ -۵ SD

SIGNING AND MARKING FOR TWO LANE BRIDGES

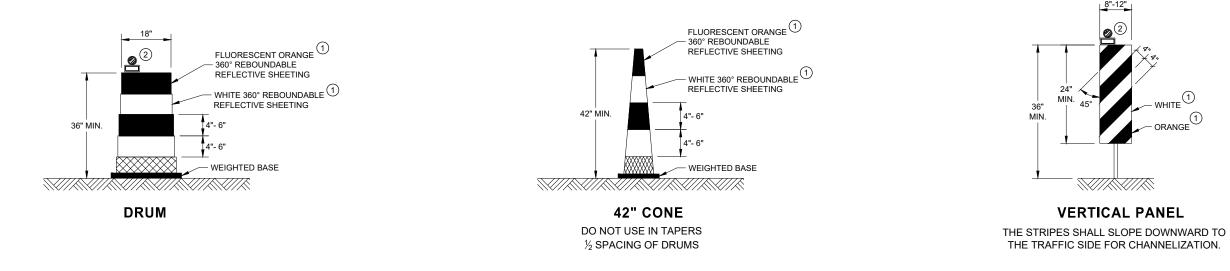
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

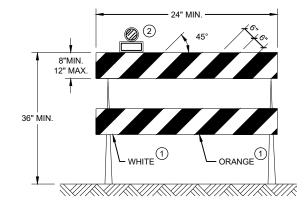
APPROVED May 2022 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER

GENERAL NOTES

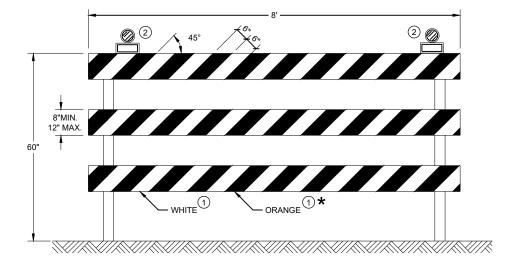
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





TYPE II BARRICADE

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



TYPE III BARRICADE

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

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

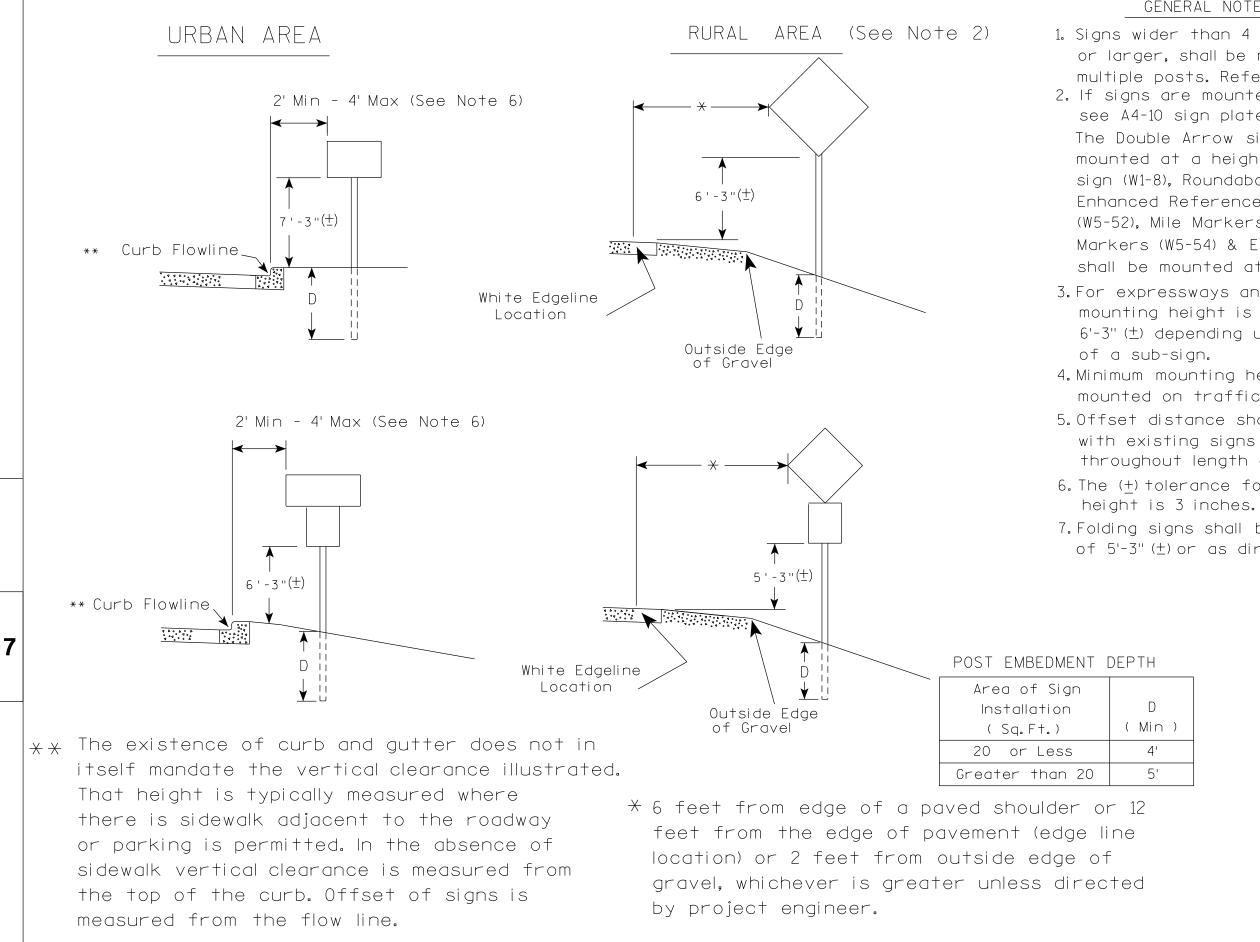
Ω **[60**] . ~ ~ 0 Ň ~ ົ

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

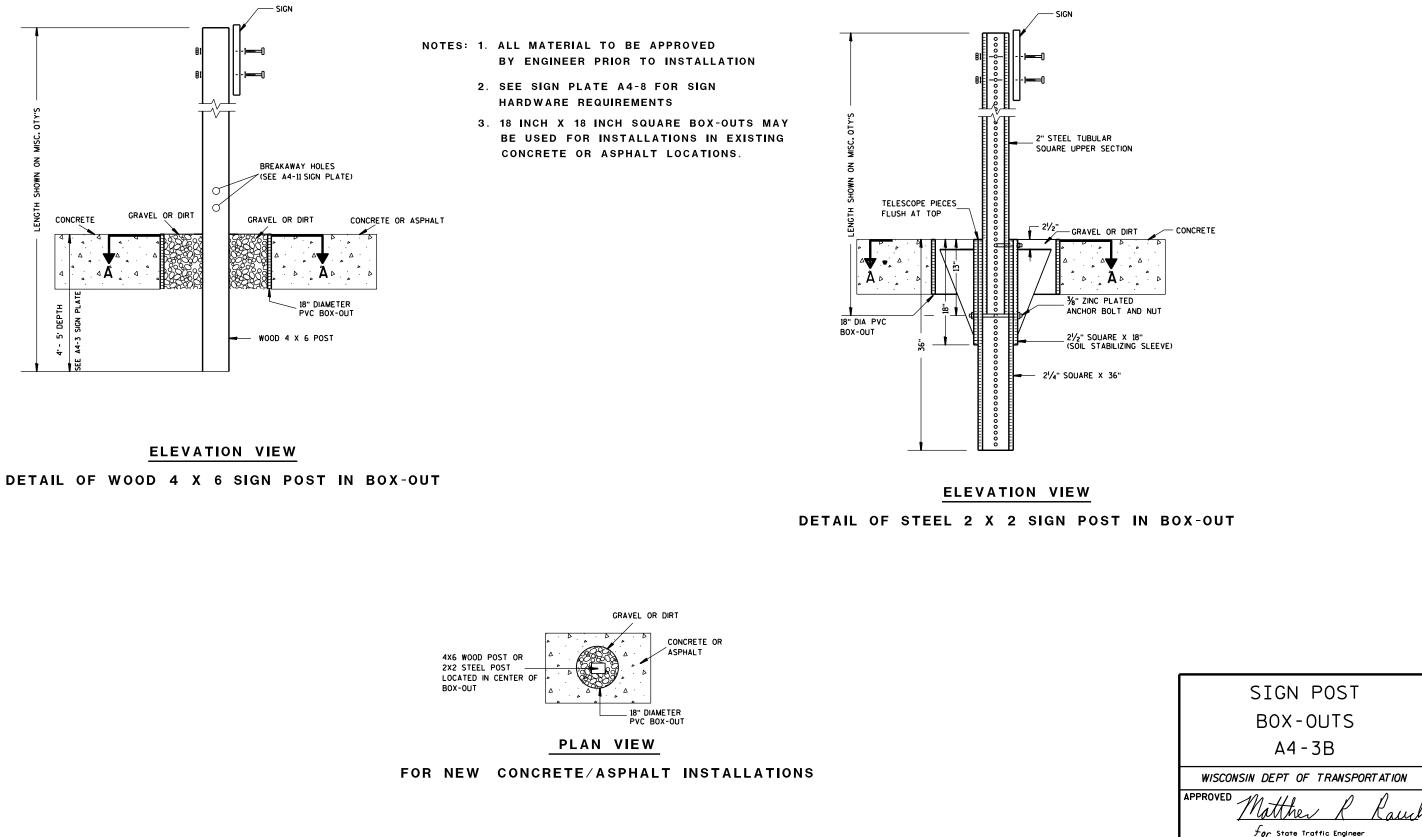


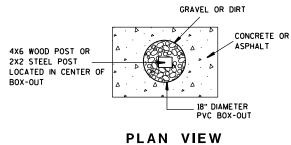
PROJECT NO:	HWY:	COUNTY:			
		DI AT DITE : 47 HUN 0000 4 4	DI OT DY IN IO	DLOT NAME -	

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4. 2. If signs are mounted on or behind barrier wall. see A4-10 sian plate. The Double Arrow sign (W12-1D) 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'' (+). 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or $6'-3''(\pm)$ depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directd by the Engineer.

)								
	TYPICAL INSTALLATION							
	OF PERMANENT TYPE II							
	SIGNS ON SINGLE POSTS							
	WISCONSIN DEPT OF TRANSPORTATION							
	APPROVED Matthew & Rauch For state Traffic Engineer							
	DATE <u>5/13/202</u> 0 PLATE NO. <u>44-3.22</u>							
	SHEET NO: E							
PLOT SCALE : \$\$	WISDOT/CADDS SHEET 42							





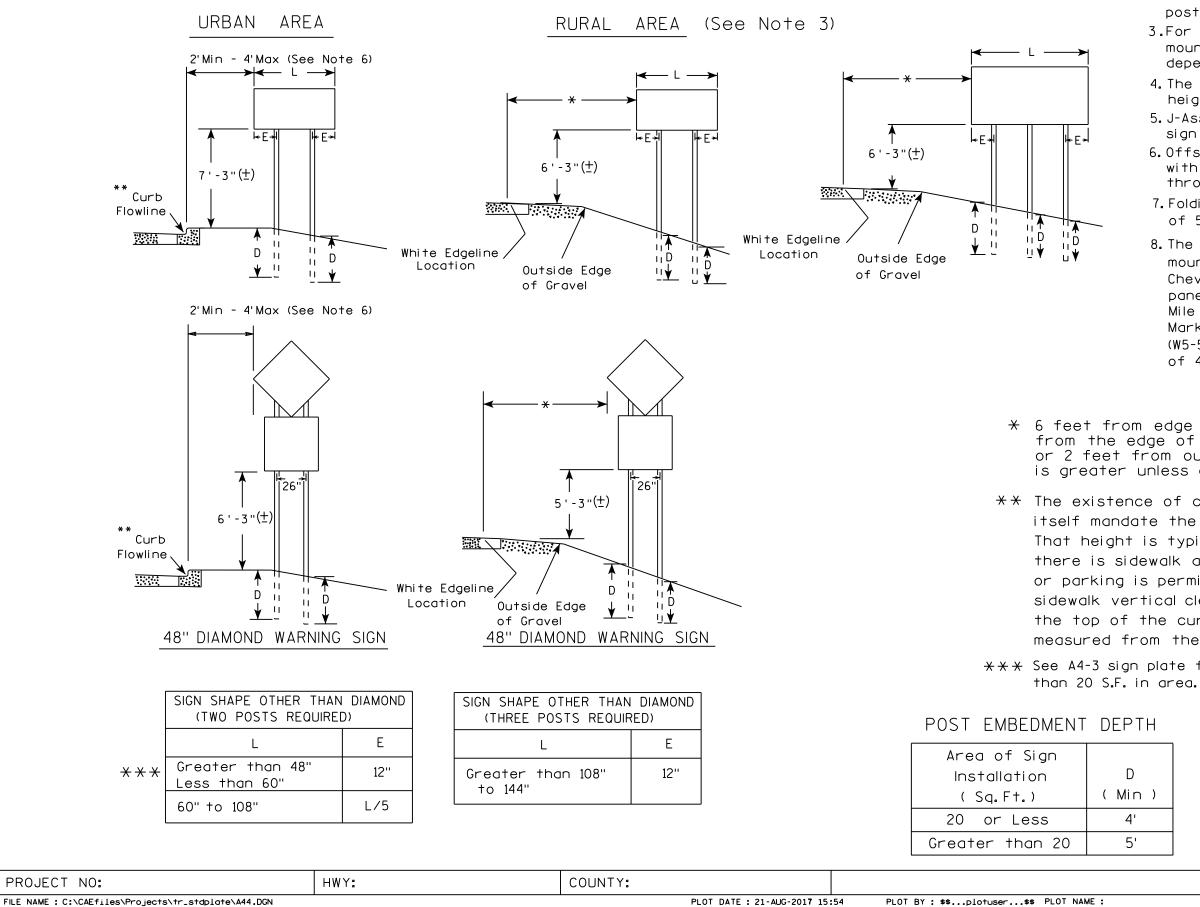
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

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

Ε



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

7

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3.For expressways and freeways, mounting height is $7'-3''(\pm)$ or $6'-3''(\pm)$ depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (\pm) 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.

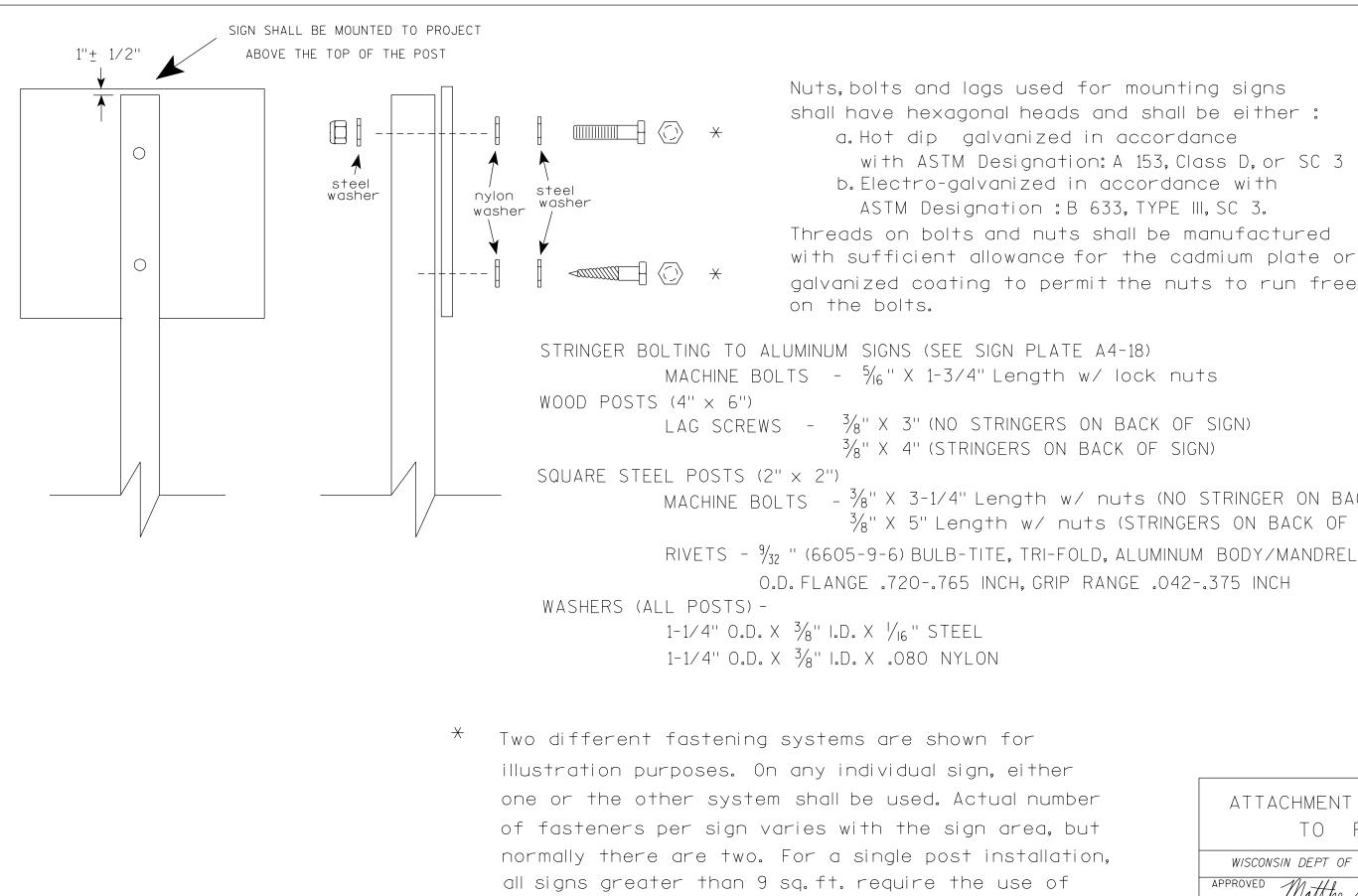
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

 \times \times See A4-3 sign plate for signs 4' or less in width and less

H	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS
)	WISCONSIN DEPT OF TRANSPORTATION
,	APPROVED Matther & Rauch
	For State Traffic Engineer
	DATE 8/21/17 PLATE NO. 44-4.15
	SHEET NO: E
DI AT. CA	L 5 - 100 100007-1 00000

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



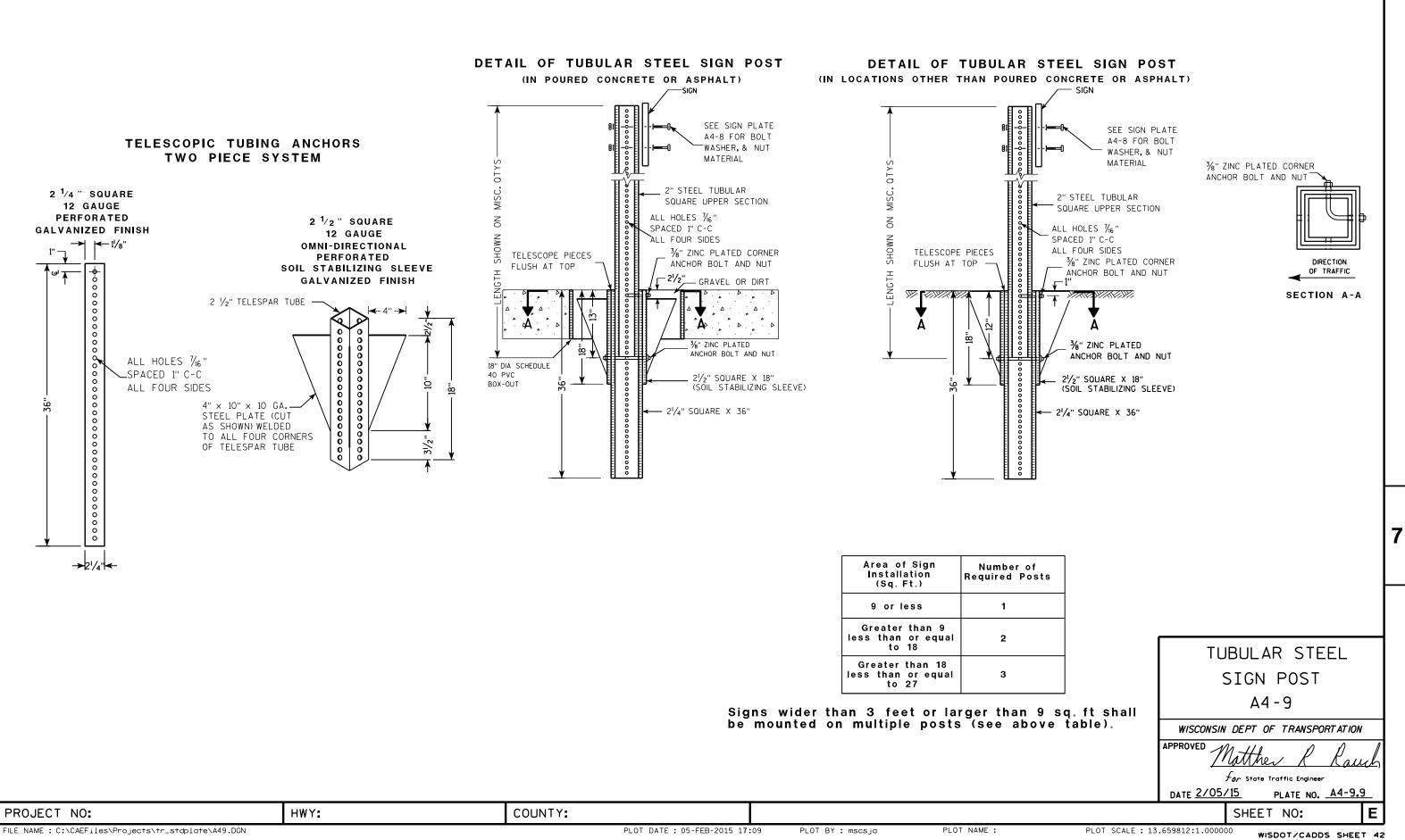
3 fasteners.

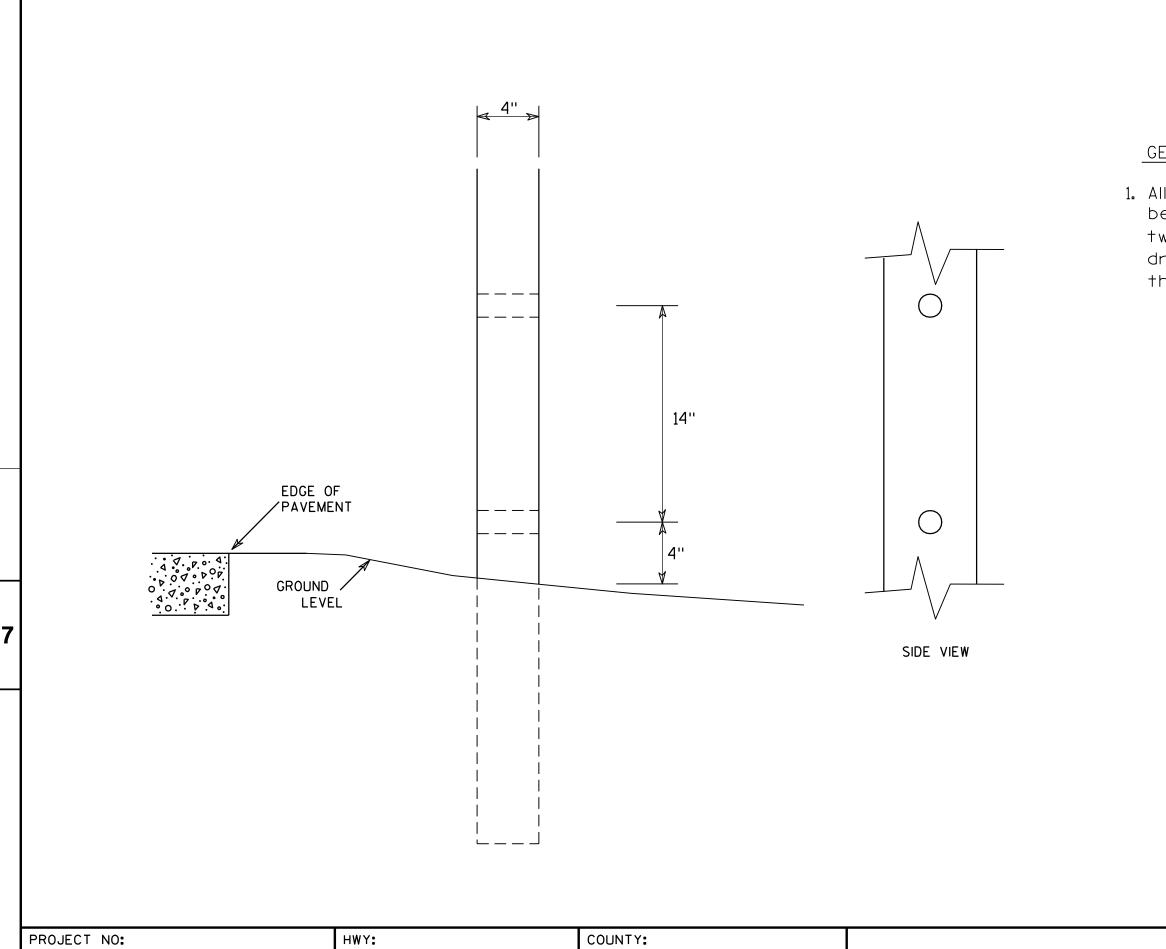
Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely

 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)

MACHINE BOLTS - ³/₈" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
For State Traffic Engineer
DATE <u>4/1/202</u> 0 plate no. <u>A4-8.9</u>
SHEET NO: E



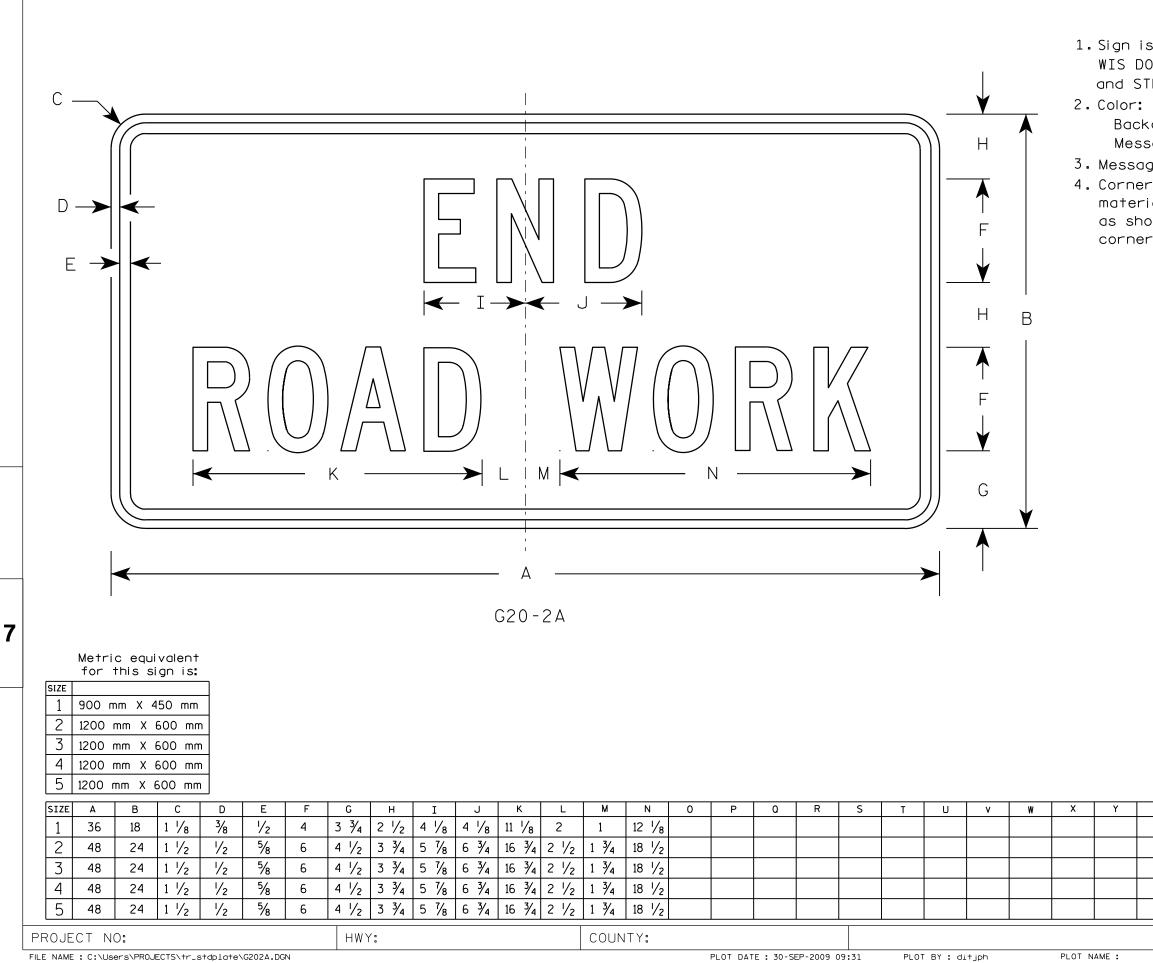


FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

	4	Хe	ô	WOO	DF	POST					
		MOD	IF	FICA	TI	SNC					
	WISCONSIN DEPT OF TRANSPORTATION										
	APPROVE	D		hester .	Γέ	Spang					
			tor	State Tr	affic Er	ngineer					
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2				
			9	SHEET	N0:		Ε				
OT SCALE	E:6.20 7 33	8:1.0000	000	WISD	от/с	ADDS SHEE	т 42				



NOTES

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

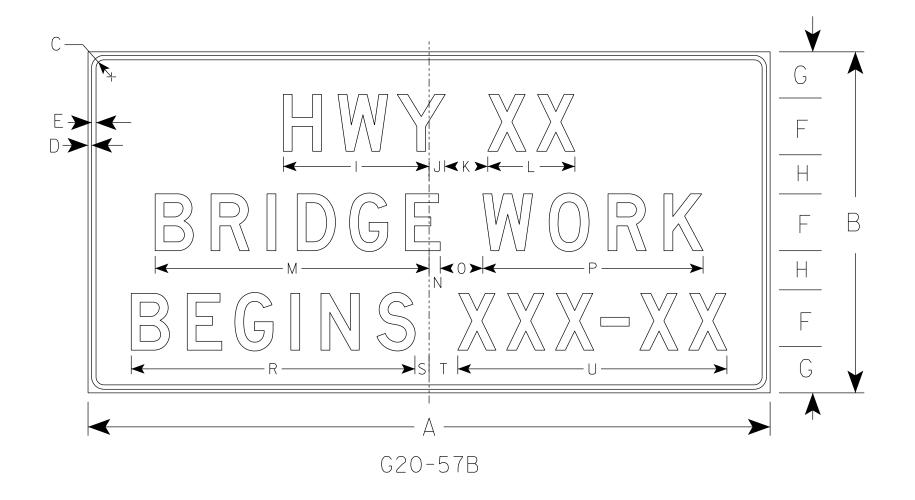
Background - Orange Message - Black 3. Message Series - C 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Z	Areo sq. ft.	Area		STANDARD SIGN G20-2A								
-	4 . 5	0.41										
	8.0	0.72		WISCONSIN DEPT OF TRANSPORTATIO								
	8.0	0.72		APPROVED	0 1							
	8.0	0.72			· · ·	her R Rauch						
	8.0	0.72		DATE <u>9/3</u>		PLATE NO.		<u>.8</u>				
					SHEET	NO:		Ε				
	F	PLOT SCA	LE : 5.5617	73:1.000000) WISE	OT/CADDS	SHEET	42				

NOTES Background – Orange Message – Black

1.Sign is Type II - Type F Reflective 2. Color: 3. Message Series - D 4. Substitute appropriate numeral and adjust

spacing to achieve proper balance.



SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Ar sq.
1																											
2																											
3	72	36	1 1/8	1/2	5⁄8	6	5	4	15 5/8	1 5/8	5	9 1/4	29 1/8	7⁄8	5	23 1/4		29 7/8	1 3⁄4	3 1/4	28 / ₂						18
4	96	48	2 1/4	3⁄4	1	8	6 ¹ / ₂	5 ½	20 5/8	2 1/4	6	12 1/4	38 ^I / ₂	1 1/2	6	31		39 1/4	2	4	37 7/8						32
5																											
PRC	JECT	Γ ΝΟ	o 0					н	NY:					COUM	NTY:												
FILE N	U.E. NAME · C·\CAEfiles\Projects\tr_stdplate_C2057B_dag										TE • 22-1	AN-2019 1	• 31	PL OT	BY . msc	- i9h		PLOT NAM	AF :								

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_G2057B.dgn

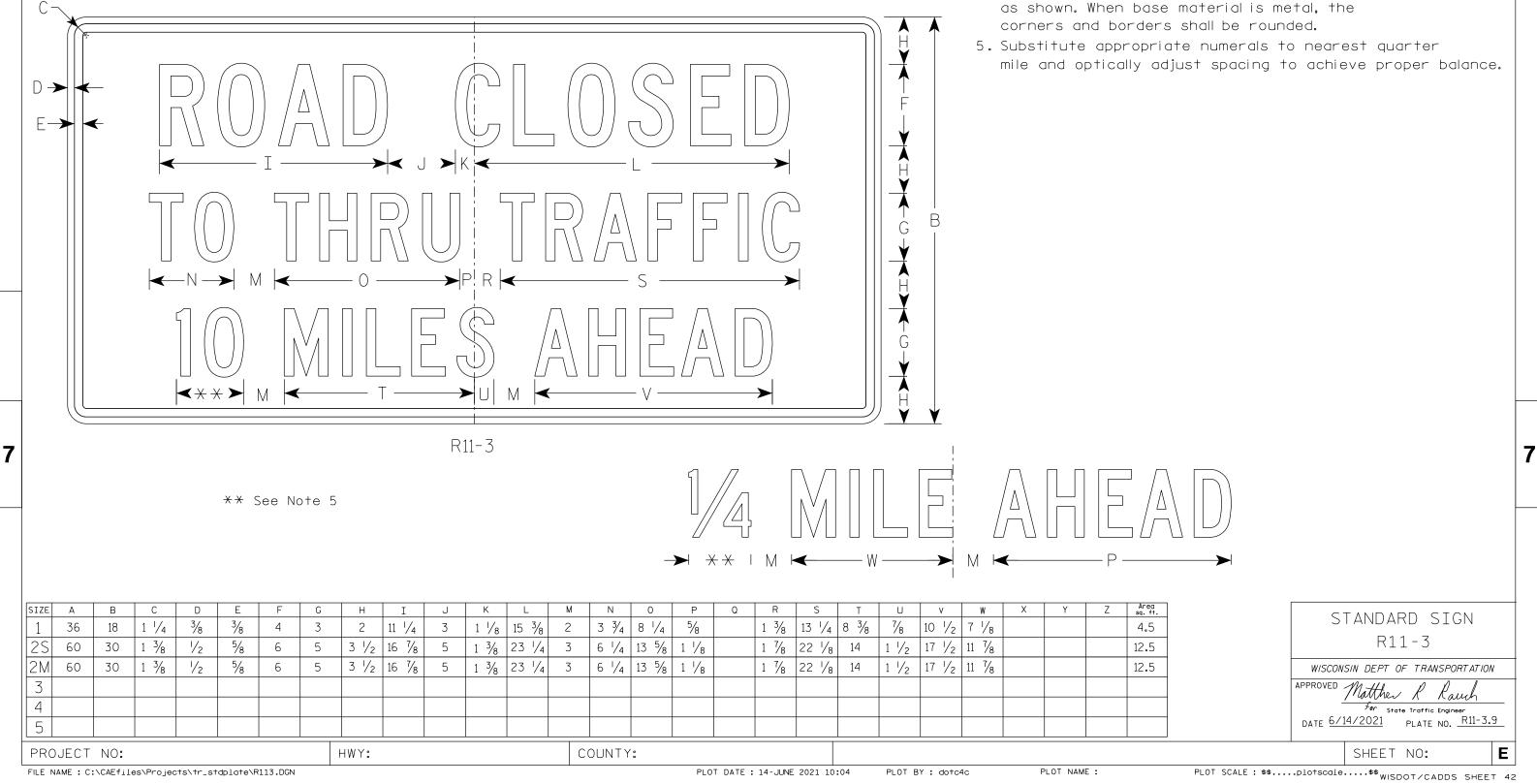
7

PLOT DATE : 22-JAN-2019 1:31 PLOT BY : mscj9h PLOT NAME :

	STANDARD SIGN						
Areg sq. ft.	G20-57B						
	WISCONSIN DEPT OF TRANSPORTATION						
8.0	APPROVED Matthew & Paulo						
32.0	For State Traffic Engineer						
	DATE <u>1/22/19</u> PLATE NO. <u>G20-57B.</u> 1						
SHEET NO: E							
PLOT SCALE : \$\$plotscale\$\$ WISDOT/CADDS SHEET 42							

NOTES

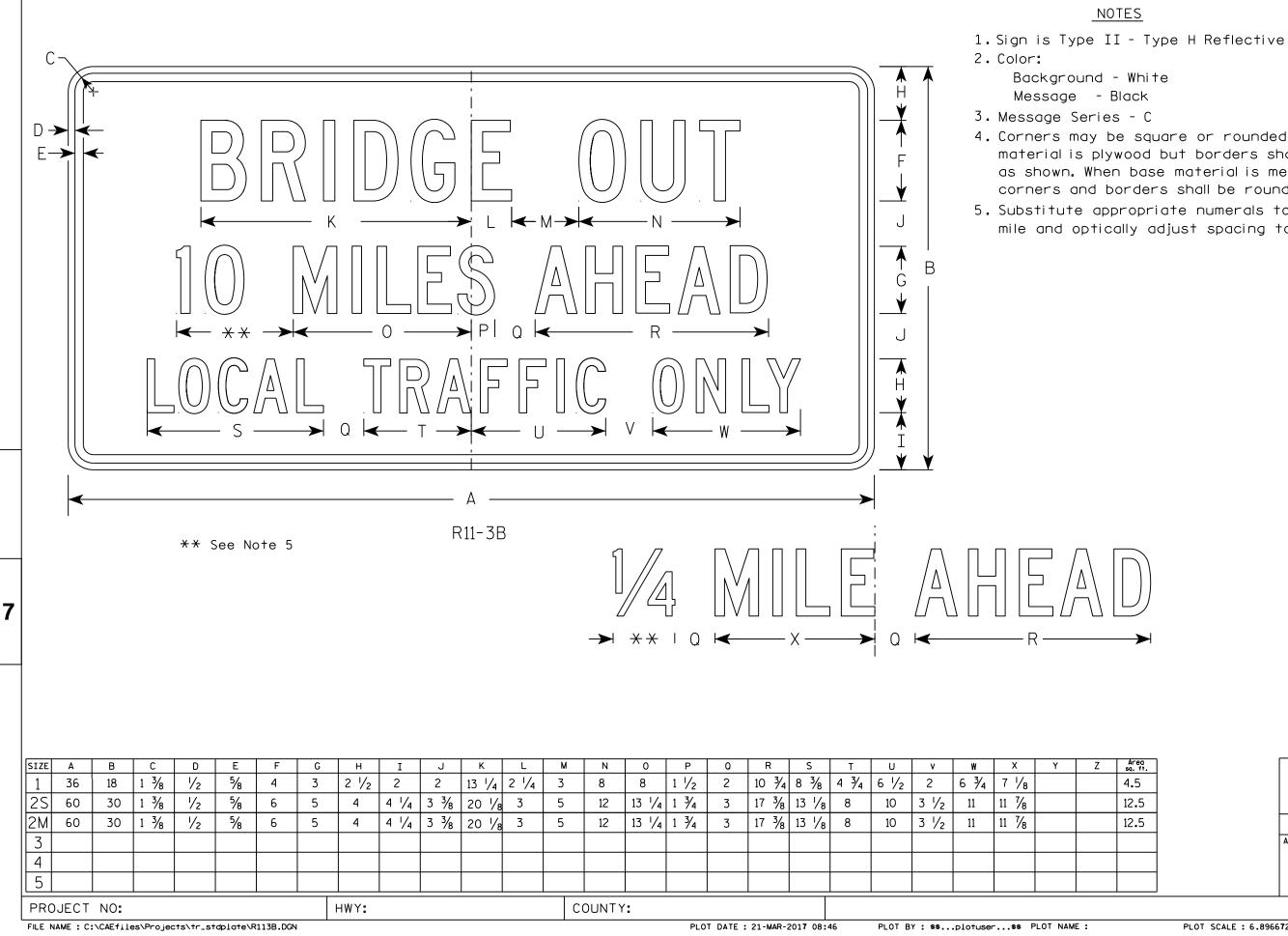
- 2. Color:
 - Background White Message - Black
- 3. Message Series C



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113.DGN

PLOT DATE : 14-JUNE 2021 10:04 PLOT BY : dotc4c PLOT NAME :

```
1. Sign is Type II - Type H Reflective
4. Corners may be square or rounded when base
   material is plywood but borders shall be rounded
```



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.

$\Big)$
1

.5	STANDARD SIGN					
2.5	R11-3B					
2.5	WISCONSIN DEPT OF TRANSPORTATION					
	APPROVED <u>Matther & Rauch</u> For State Traffic Engineer					
	DATE 3/21/17 PLATE NO. R11-3B.3					
	SHEET NO: E					
PLOT SCALE : 6.896672:1.000000 WISDOT/CADDS SHEET 42						

NOTES

- 2. Color:

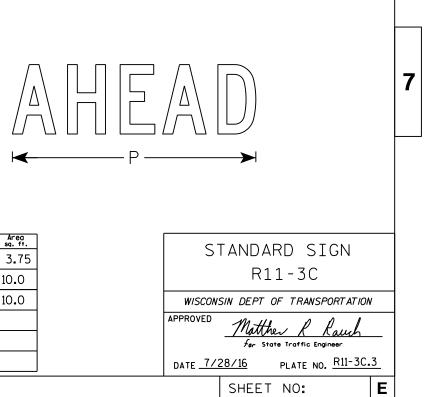
Background - White Message – Black

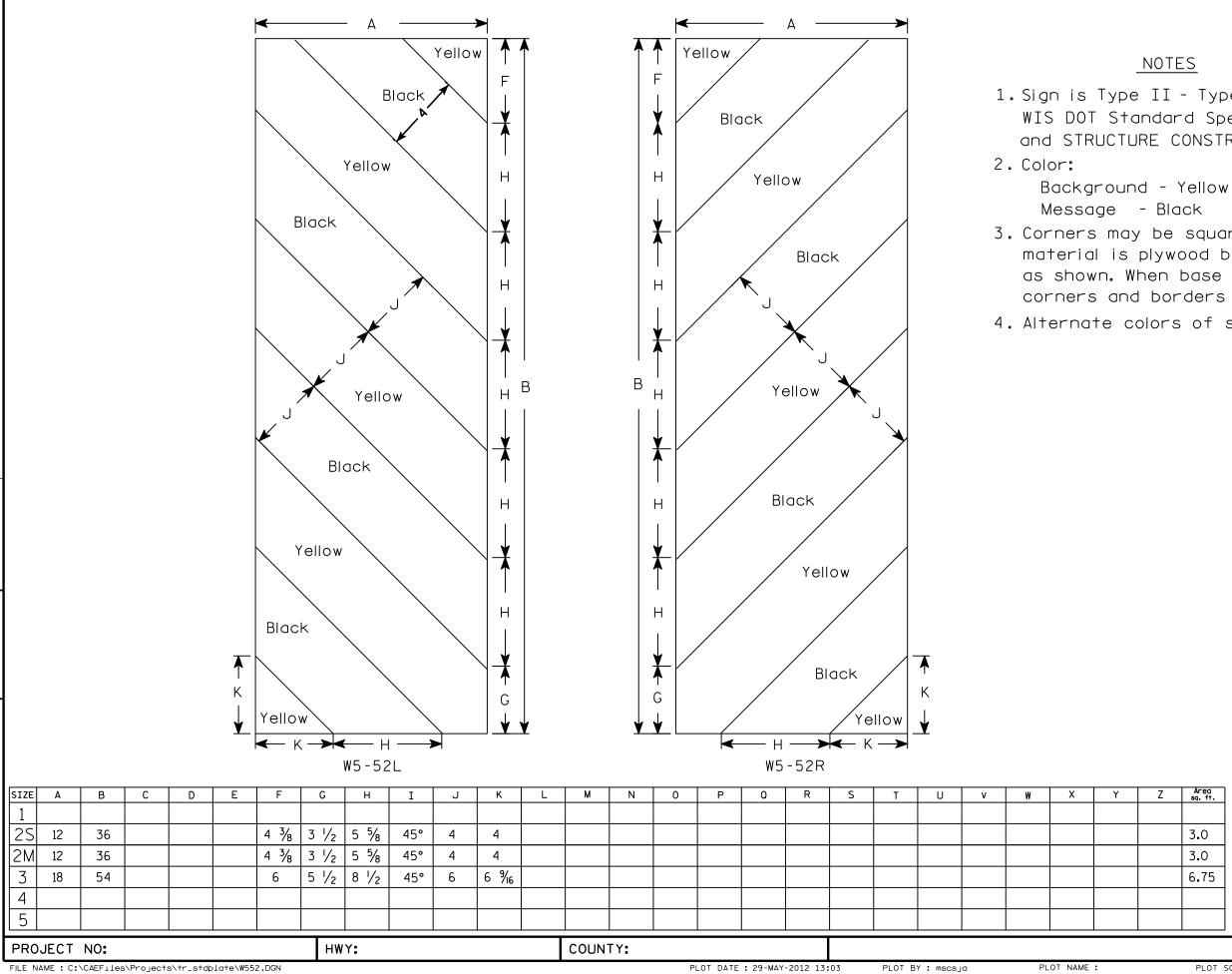
- 3. Message Series C
- Н V D ->> E→ F K ->< P (-G 0 - ** NL -R11-3C ** See Note 5 → ** | 0 ► — R 0 \rightarrow

SIZE	Α	В	С	D	E	F	G	Н	I	J	ĸ	L	M N	0	P	۵	R	S	Т	U	v	W	X	Y	Z	Are sq. 1
1	36	15	1 3/8	1/2	5⁄8	4	3	2 1/2	13 1/4	2 1/4	3	8	8 1 1/2	2	10 3⁄4		7 1/8									3.
25	60	24	1 3/8	1/2	5⁄8	6	5	4	20 1/8	3	5	12	13 1/4 1 3/4	3	17 3/8		11 7⁄8									10.0
2M	60	24	1 3/8	1/2	5⁄8	6	5	4	20 1/8	3	5	12	13 1/4 1 3/4	3	17 3/8		11 7/8									10.0
3																										
4																										
5																										
PROJECT NO:																										
FILE 1	FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113C.DGN										PLOT DATE: 15-MAR-2017 15:33 PLOT BY : \$\$plotuser\$\$															

.

```
1. Sign is Type II - Type H Reflective
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.
```





FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W552.DGN

7

PLOT NAME :

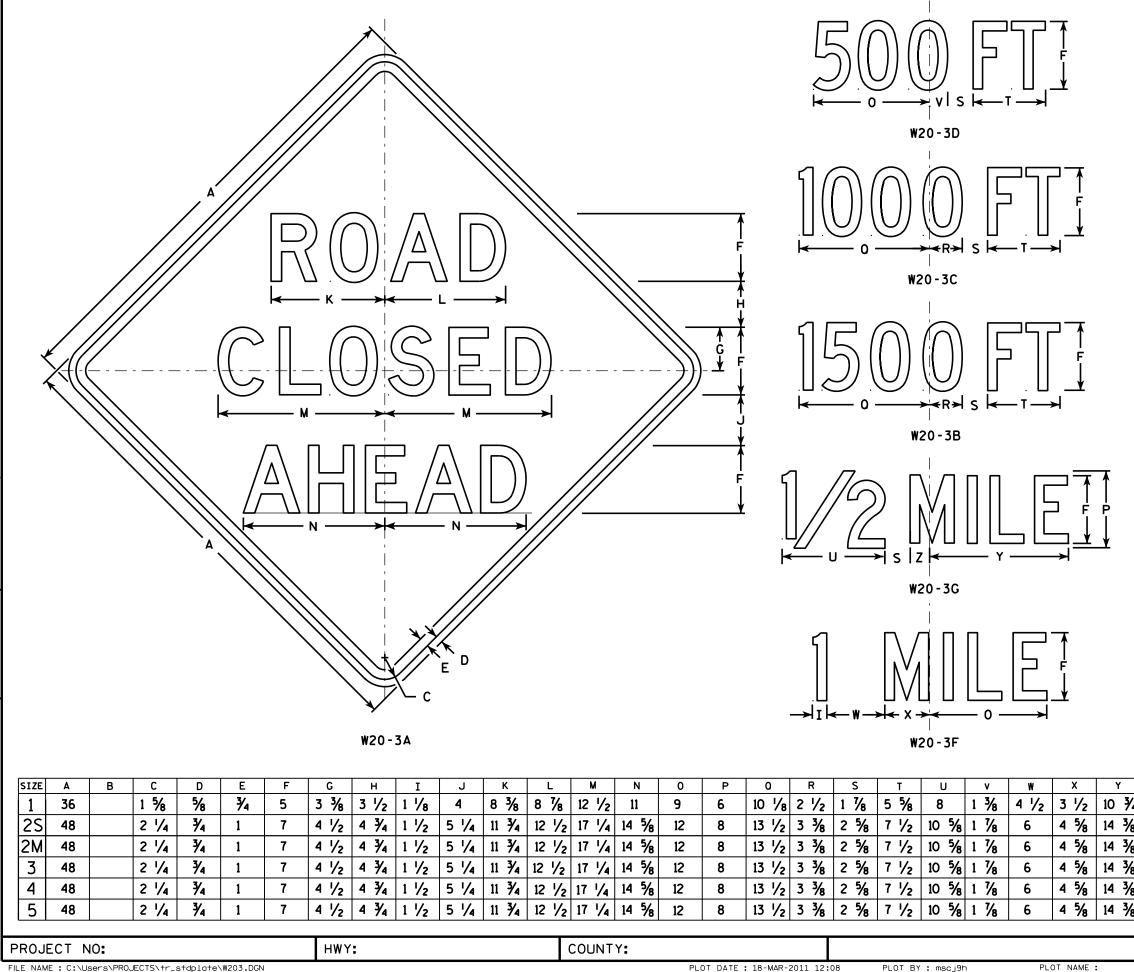
NOTES

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

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. Alternate colors of stripes as shown.

Z	Area sq. ft.	STANDARD SIGN				
		W5-52L & W5-52R				
	3.0					
	3.0	WISCONSIN DEPT OF TRANSPORTATION				
	6.75	APPROVED Matthew R Rauch				
		for State Traffic Engineer				
		DATE 5/29/12 PLATE NO. W5-52.9				
SHEET NO: E						
PLOT SCALE : 4.961899:1.000000 WISDOT/CADDS SHEET 42						

PLOT DATE : 29-MAY-2012 13:03



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN

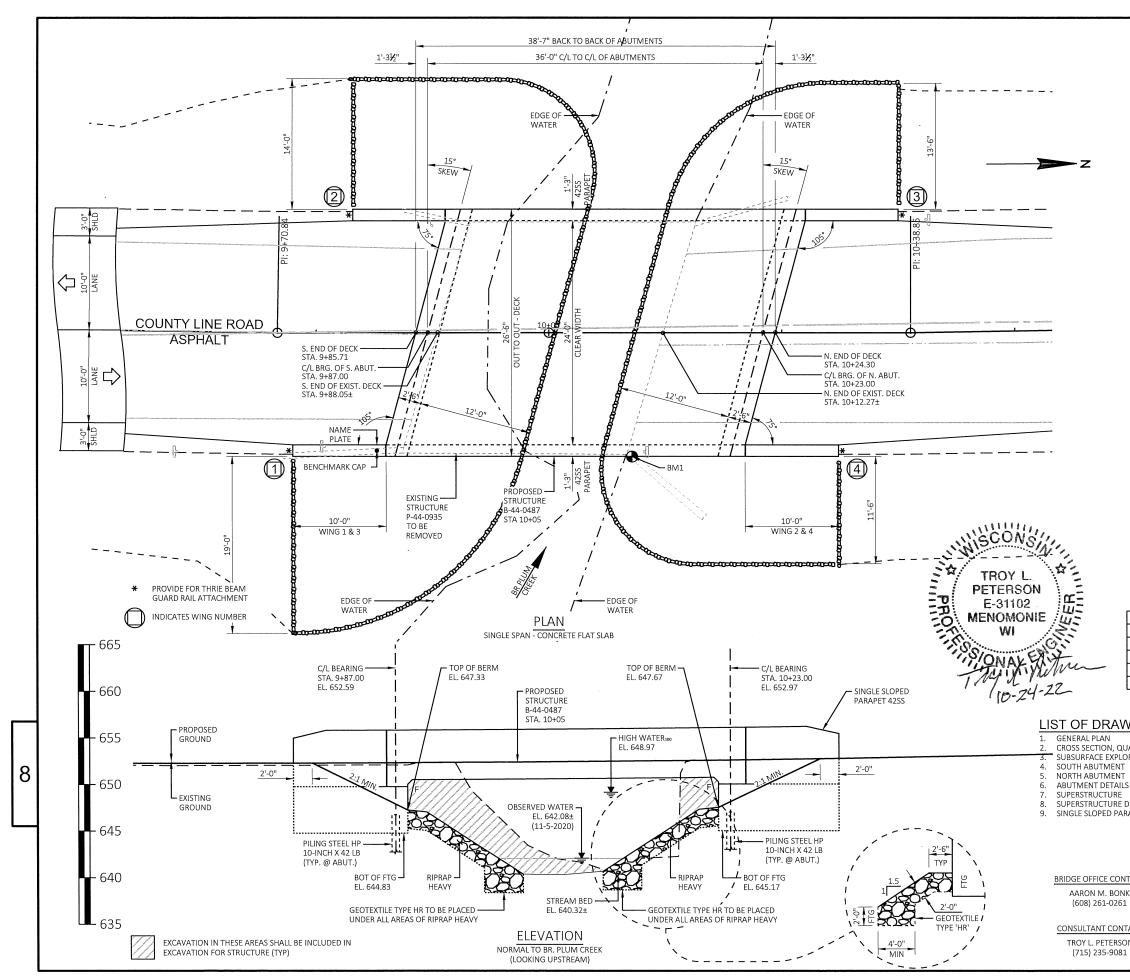
7

PLOT DATE : 18-MAR-2011 12:08

NOTES

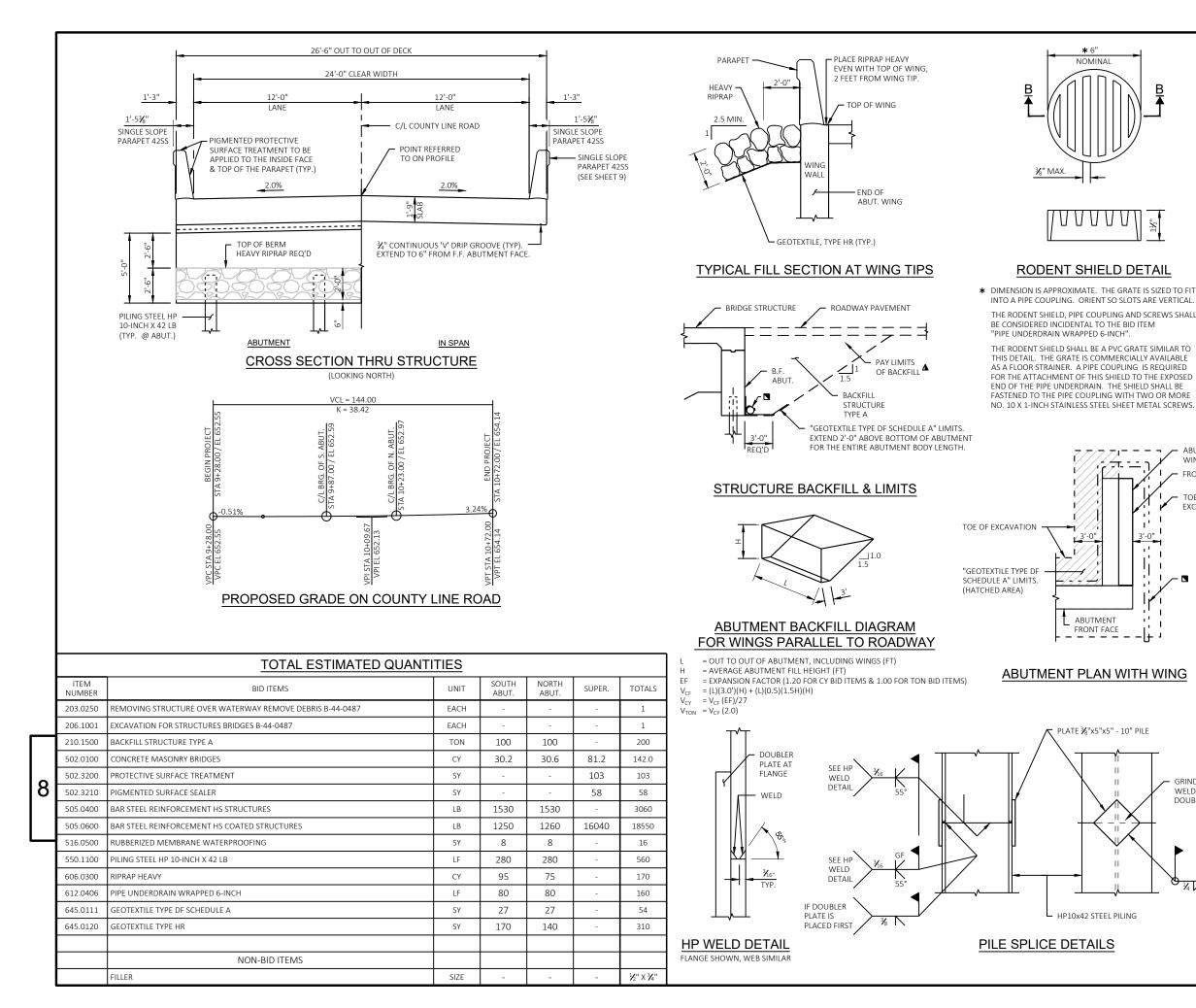
- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: Background - Orange Message - Black
- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be 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.

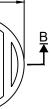
	Z	Area sq. ft.]						
4	1 3⁄4	9.0		- c	TANDARD SIGN				
3	2 3/8	16.0							
,	2 3/8	16.0		W20-	-3A, B, C, D, F & G				
,	2 3/8	16.0			ISIN DEPT OF TRANSPORTATION				
3	2 3/8	16.0		APPROVED	Matther & Rauch				
3	2 3/8	16.0]	DATE 3/18/11 PLATE NO. W20-3.7					
				SHEET NO: E					
		PLOT S	SCALE : 9.93173	WISDOT/CADDS SHEET 42					



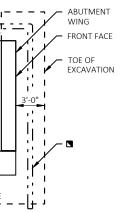
T	STATE PROJECT NUM	SER	1						
	4656-07-71								
DESIGN DATA STRUCTURE IS DESIGNED F SURFACE OF 20 POUNDS P									
LIVE LOAD:	FACTOR	— HI - 93							
OPERATING RATING	FACTOR								
MATERIAL PROPERTIES:	RD PERMIT VEHICLE (WIS-SPV)	— 250 KIPS							
CONCRETE MASONF SLAB									
	CEMENT, GRADE 60	fy = 60,000 PSI							
HYDRAULIC DA	ТА								
100 YEAR FREQUENCY Q ₁₀₀		— 810 C.F.S.							
1.0.47	REA	EL 640.07							
DRAINAGE AREA — SCOUR CRITICAL CO	DE	— 2.95 SQ. MI. — 8							
2 YEAR FREQUENCY									
Q ₂ TOTAL VEL HW ₂									
HW2		EL. 645.40							
TRAFFIC DATA									
		54							
FOUNDATION E ABUTMENTS TO BE SUPPO)AIA RTED ON PILING STEEL HP 10x42, WITH	A REQUIRED							
DRIVING RESISTANCE OF 1 GATES DYNAMIC EQUATIO	50 TONS ± PER PILE AS DETERMINED BY N.	THE MODIFIED							
ESTIMATED LENGTH 70'-0"									
ESTIMATED LENGTH 70'-0"	NORTH ABUTMENT ESISTANCE OF PILES IN COMPRESSION (
DESIGN IS THE REQUIRE	D DRIVING RESISTANCE MULTIPLIED BY	A RESISTANCE							
NO STA	BENCHMARKS DESCRIPTION	ELEV							
	IN NE WING WALL, 13.33' RT. OF C/L	652.23'							
	MARKER IN ASPHALT, 0.84' RT. OF C/L ESS MONUMENT, 42.27' LT. OF C/L	652.15'							
	ESS MONUMENT, 35.54' RT. OF C/L	652.24' 648.88'							
VINGS									
JANTITIES, & NOTES	NO. DATE REVISION	ВҮ							
DRATION	ORIGINAL PLANS PREPA	RED BY	0						
S	Ceo		8						
DETAILS	www.cedarcorp.com 80	D0-472-7379 SDR 10/25/22							
RAPET 42SS	ACCEPTEDCHIEF STRUCTURES DESIGN ENG								
	STRUCTURE B-44-0)487							
	COUNTY LINE ROAD BRIDGE OVER E	BR. PLUM CREEK							
ITACT	OUTAGAMIE DESIGN SPEC.	BUCHANAN							
IK 1	AASHTO LRFD BRIDGE DESIGN SPEC	PLANS							
ТАСТ	BY TLP CK'D. DWM BY	NJT CK'D. TLP SHEET 1 OF 9	,						
DN .	GENERAL	SHEEL I OF 9							
1	PLAN								
			-						

CALE =









STATE PROJECT NUMBER

4656-07-71

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

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

ALL REINFORCING BARS ARE ENGLISH. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE 'HR TO THE EXTENT SHOWN ON SHEETS 1 AND 2 AND IN THE ABUTMENT DETAILS.

THE EXISTING STRUCTURE (P-44-0935) IS A 26 5' LONG BY 23.6' WIDTH SINGLE SPAN CONCRETE FLAT SLAB BRIDGE.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-44-0487" SHALL BE THE EXISTING GRADE LINE

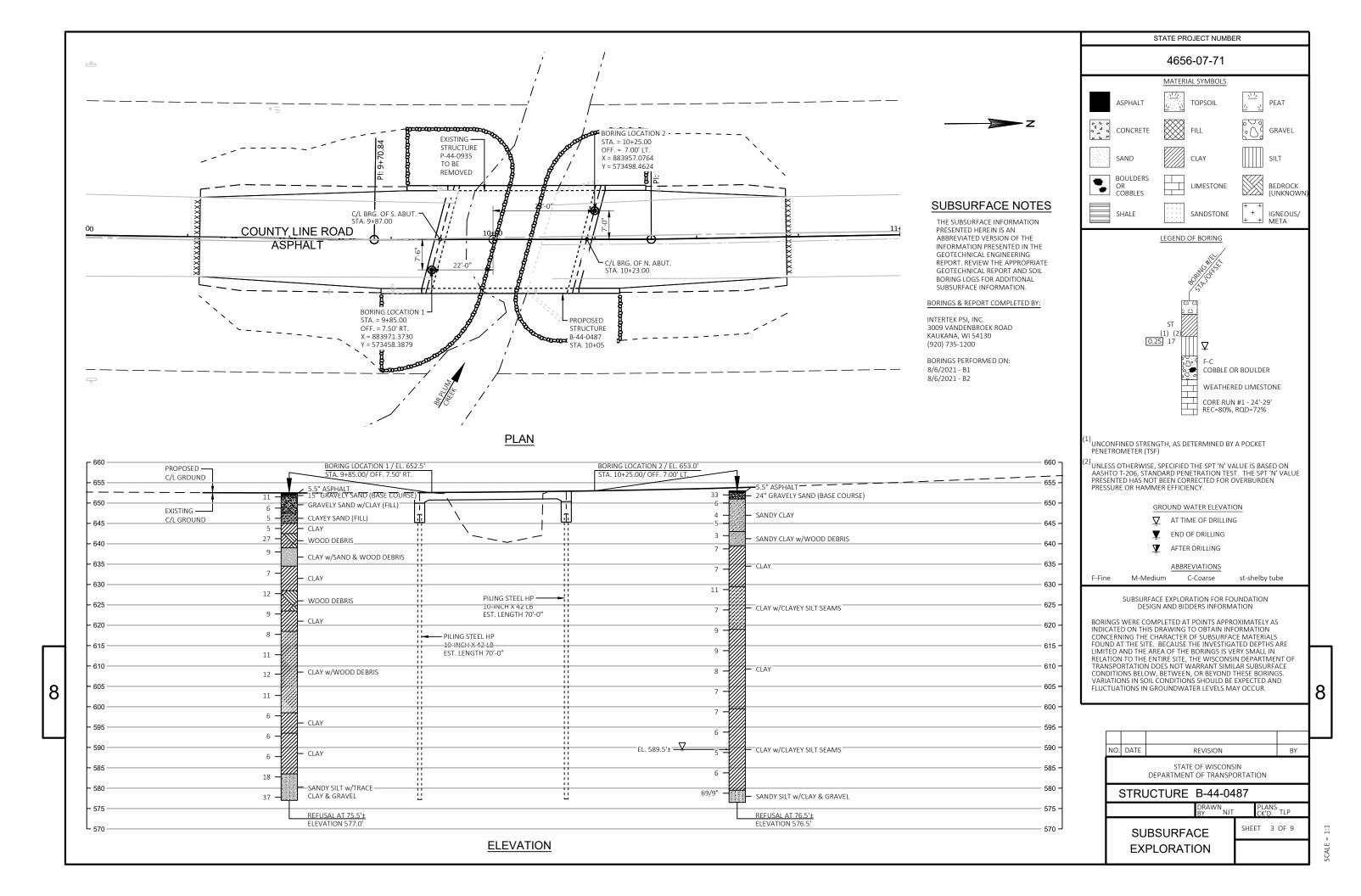
AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE IN PLACE BEFORE ABUTMENT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

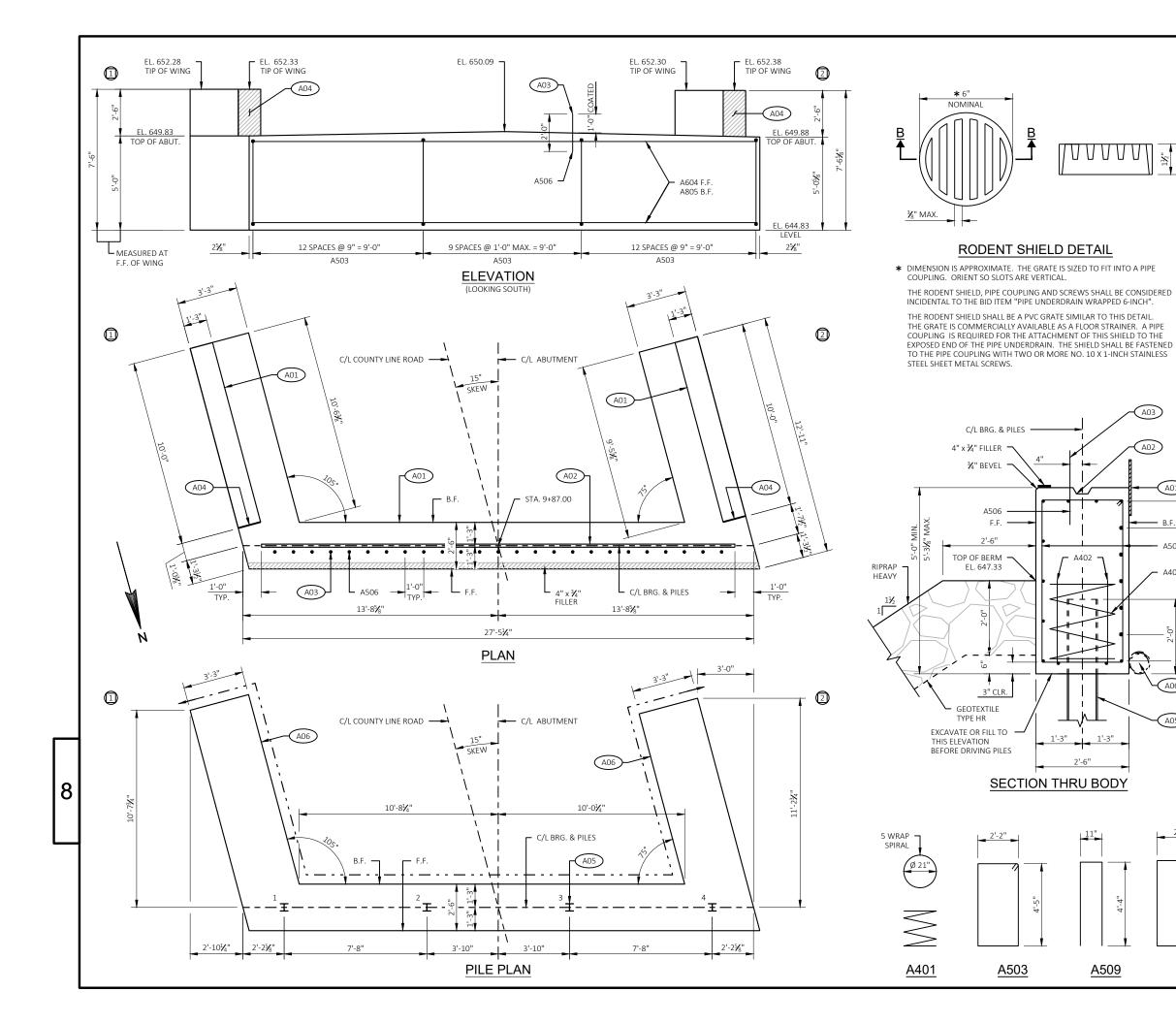
AT ABUTMENTS, CONCRETE POURED UNDERWATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

SLAB FALSE WORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

- ▲ BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

GRIND FLUSH WELD UNDER DOUBLER PLATE					8	
	NO. DATE	REVISION STATE OF WISCONS DEPARTMENT OF TRANSPO		BY		
ILING	STRUCTURE B-44-0487					
		DSS SECTION, TITIES, & NOTES	SHEET 2 (OF 9	SCALE = 1:1	





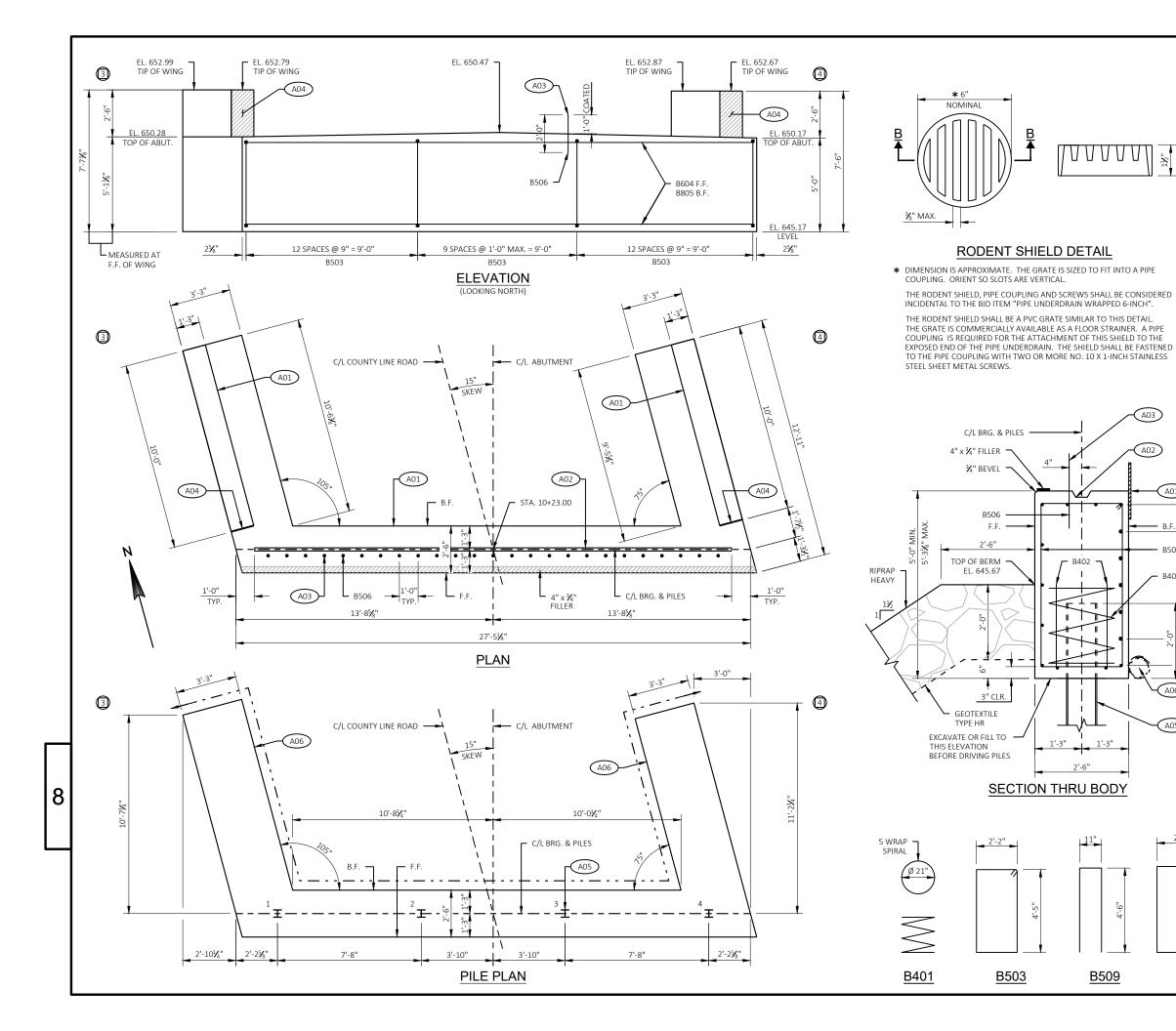
STATE PROJECT NUMBER

4656-07-71



A03

	BILL				CO 47					
	BAR	SA	NO.	1250#		BAR	10	CATION		
_	MARK	<i>°</i> ,	REQ'D		ALL AND	SERIES		CATION		
" ¹ %	A401 A402		4 8	28'-0" 2'-3"	X		BODY - ONE PEF BODY - TWO PE			
	A503		34	13'-10"	Х		BODY - STIRRUP			
	A604		11	27'-1"			BODY - HORIZ.			
	A805	V	7	27'-1"			BODY - HORIZ. E			
	A506 A607	X	26 4	2'-0" 9'-8"			BODY - VERT. D WING 1 & 2 - H			
	A408	Х	10	9'-8"			WING 1 & 2 - H			
	A509	Х	28	9'-4"	Х		WING 1 & 2 - VI			
	A510 A511	X X	22 6	15'-8" 11'-7"	Х		WING 1 & 2 - VI WING 1 BASE H			
	A512	X	6	11'-11"			WING 2 BASE H			
ERED	A613	Х	6	11'-11"			WING 1 BASE H			
	A614	X	6	12'-3"			WING 2 BASE H			
PE	A615 A616	X	2	12'-1" 12'-1"			WING 1 BASE H WING 2 BASE H			
HE ENED	NOTE:	BAR	DIMEN	ISIONS A			OUT OF BAR. THE	FIRST DIGIT O		
\sim		BAK	MARK	SIGNIFIE	STHE	BAK 2	IZE.		Ι	
A01	•		NOT			CK FAC ONT FA				
- B.F.										
- A503										
A805 B.F.	EQUAL SPACES A604 F.F.			A01 18 (R.	" RUE .M.W	BERIZ). SEAI	NG NUMBER ED MEMBRANE V L ALL HORIZONTA CK FACE.			
	4					CONSTI D 2 X 6	RUCTION JOINT F	ORMED BY A		
5							PLACED AFTER C NITIAL SET HAS T		OURED,	
405				SL GF (1' CC LIN	IRFAC RAY N ' DEE DNCRI NE AT	ES OF ON-BI P AND ETE). E INSIDE	DSED HORIZONTA 1/2" FILLER WITH FUMINOUS JOINT HOLD 1/8" BELO EXTEND SEALER 3 E FACE. HP 10 X 42 WITH	H NON-STAINI SEALER. W SURFACE C BELOW GUT	NG)F	
				DF DE FC	RIVING TERN RMU	G RESIS AINED LA. ES	TANCE OF 160 T BY THE MODIFIEI TIMATED LENGT	ONS PER PILE D GATES DYNA H = 70 LF.	AMIC	
2'-11"			Ć	MI SH RC	IN. TO IIELD DEN) SUITA AT ENI T SHIEL	RAIN WRAPPED 6 ABLE DRAINAGE. DS OF PIPE UNDE D TO BE INCLUD RAIN WRAPPED	ATTACH ROD RDRAIN. ED IN BID PRIC	ENT	8
- • • •										⊢
			NO	. DATE			REVISION		BY	
						ST	ATE OF WISCONS	IN		
					DEP		ENT OF TRANSPO			
	4'-7"			STRI	JCT	UR	E B-44-04	87		
			\vdash				DRAWN BY NJT		TIP	1
			\vdash				BY NJT	CK'D.	TLP	
L	·				SC	DUT	н	SHEET 4	OF 9	1:1
<u>A510</u>	<u>)</u>		ABUTMENT						SCALE = 1:1	



STATE PROJECT NUMBER

4656-07-71

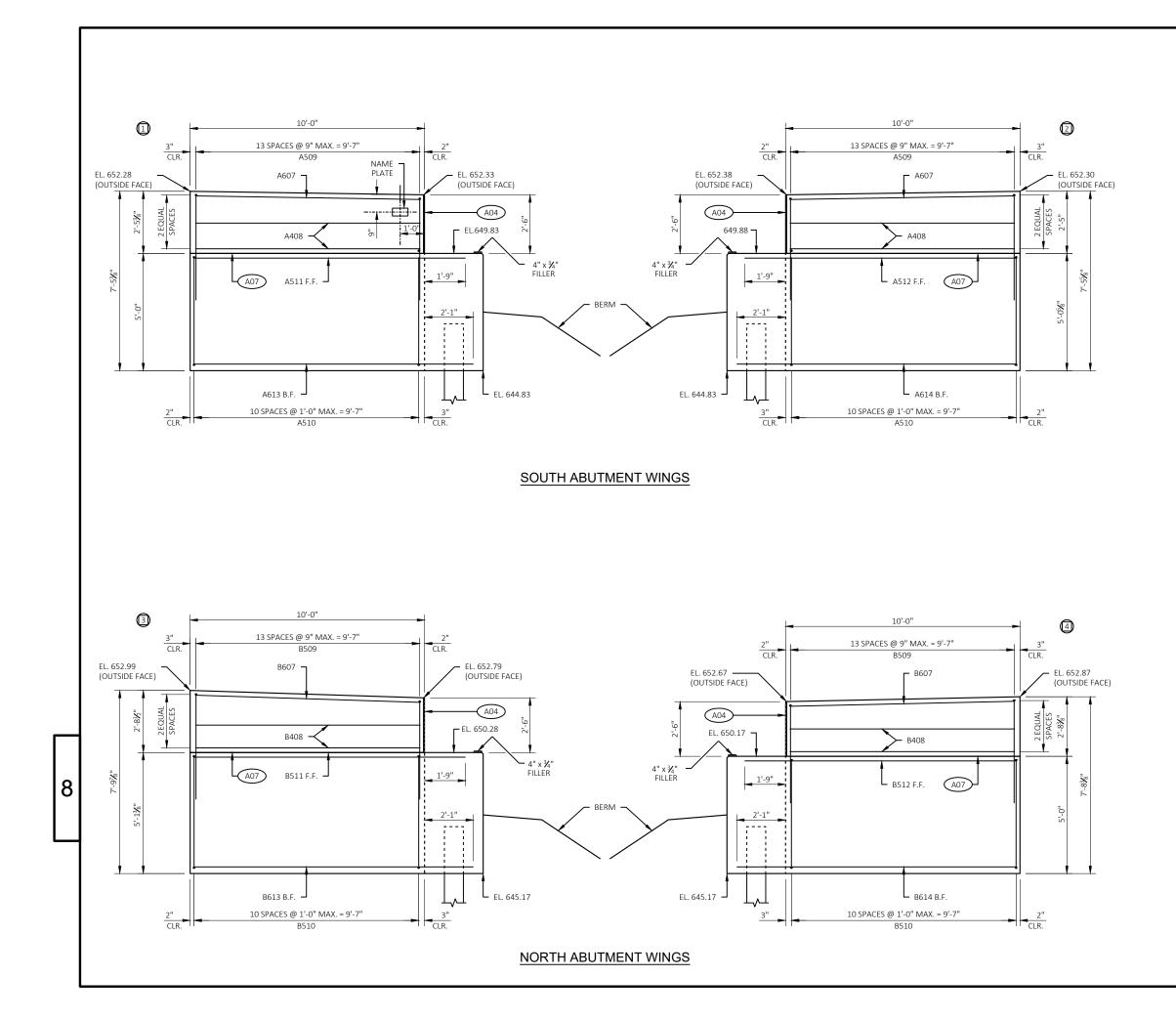


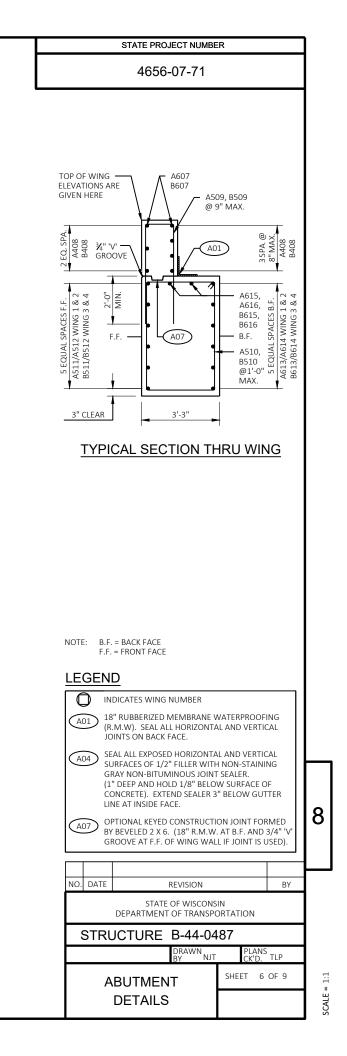
B510

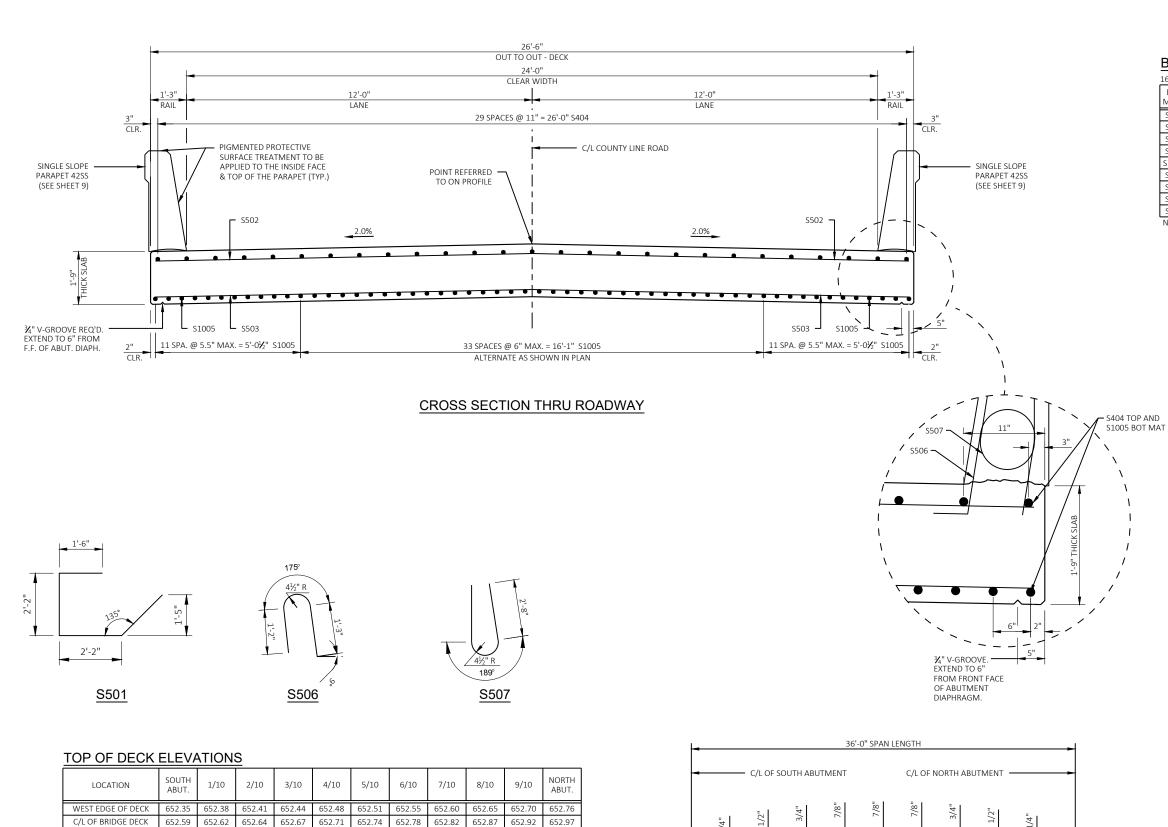
	BILL	OF	BA	RS						
	1530#			1260#						L
	BAR MARK	OR	NO. REQ'D	LENGTH	XN LOO	BAR SERIES	LO	CATION		L
	B401		4	28'-0"	X		BODY - ONE PER	R PILE		L
17	B402		8	2'-3"			BODY - TWO PE	R PILE		L
	B503		34	13'-10"	Х		BODY - STIRRUP	S		L
	B604		11	27'-1"			BODY - HORIZ.			L
	B805 B506	X	7 26	27'-1" 2'-0"			BODY - HORIZ. E BODY - VERT. DO			L
	B607	X	4	2-0 9'-8"			WING 3 & 4 - H			L
	B408	X	10	9'-8"			WING 3 & 4 - H			L
	B509	Х	28	9'-8"	Х		WING 3 & 4 - VE	ERT. TOP		L
	B510	Х	22	15'-8"	Х		WING 3 & 4 - VE			L
	B511	Х	6	11'-7"			WING 3 BASE H			L
ED	B512	X	6	11'-11"			WING 4 BASE H			L
LD	B613 B614	X X	6 6	11'-11" 12'-3"			WING 3 BASE H			L
	B615	x	2	12-3			WING 3 BASE H			L
	B616	X	2	12'-1"			WING 4 BASE H			L
ED	NOTE:	BAR	DIMEN	ISIONS AI	RE OL	JT TO C	OUT OF BAR. THE		DF A	L
)		Divit		SIGNIFIE	,	. Drift Si			I	
)										
A01										
B.F.			NOT			CK FAC ONT FA				
B503			ΙF	GEN	ר					L
	CES									L
EQUAL SPACES B805 B.F.	EQUAL SPACES B604 F.F.			2			NG NUMBER ED MEMBRANE V	VATERPROOF	ING	
6 EQUA	4 EQUA B60			(R.	M.W). SEAI	ALL HORIZONTA CK FACE.			
^{2,-0}						CONSTI D 2 X 6	RUCTION JOINT F	ORMED BY A		
2							PLACED AFTER CONTINUES OF THE STATE		OURED,	
A06 A05				SU GF (1' CC	IRFAC RAY N ' DEE DNCRI	CES OF ON-BIT P AND ETE). E	DED HORIZONTA 1/2" FILLER WITH "UMINOUS JOINT HOLD 1/8" BELO" XTEND SEALER 3 "FACE.	H NON-STAINI SEALER. W SURFACE C	ING DF	
				DR DE	IVINO TERN	G RESIS /INED	HP 10 X 42 WITH TANCE OF 160 TO BY THE MODIFIED TIMATED LENGTI	ONS PER PILE D GATES DYN		ŀ
				MI SH RC	N. TO IIELD DEN) SUITA AT ENI T SHIEL	RAIN WRAPPED 6 BLE DRAINAGE. DS OF PIPE UNDE D TO BE INCLUDI RAIN WRAPPED (ATTACH ROD RDRAIN. ED IN BID PRI	ENT	
2'-11"	-								<u> </u>	L
/	 a — t		NO	. DATE			REVISION		BY	1
~					DEP		ATE OF WISCONS ENT OF TRANSPO			
	4'-7"			STRL	JCT	UR	E B-44-04	87		1
							DRAWN BY NJT	PLANS CK'D.	S TLP	1
									OF 9	1
B51(ר			٨				JILEI J	9	ł

ABUTMENT

1:1 SCALE =







652.41 652.44 652.48 652.51 652.56 652.60 652.65

ELEVATIONS SHOWN ARE FINISHED DECK AND DO NOT INCLUDE ALLOWANCES OF DEAD LOAD DEFLECTION AND FUTURE CREEP.

EAST EDGE OF DECK 652.30 652.33 652.35 652.38



FO PT

LO PT

4656-07-71

BILL OF BARS

16040#	COAT	ΓED				
BAR MARK	OA	NO. REQ'D	LENGTH	AN A	BAR SERIES	LOCATION
S501	Х	56	7'-7"	Х		AT END OF DECK
S502	Х	44	27'-1"			SLAB, TOP, TRANSVERSE
S503	Х	55	27'-1"			SLAB, BOTTOM, TRANSVERSE
S404	Х	30	38'-3"			SLAB, TOP, LONGITUDINAL
S1005	Х	56	34'-2"			SLAB, BOTTOM, LONGITUDINAL
S506	Х	118	4'-5"	Х		PARAPET VERTICAL
S507	Х	118	6'-8"	Х		PARAPET VERTICAL
S508	Х	16	38'-3"			PARAPET HORIZONTAL
S509	Х	78	5'-0"			SLAB TOP TRANSVERSE AT EDGES

NOTE: BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS TO BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

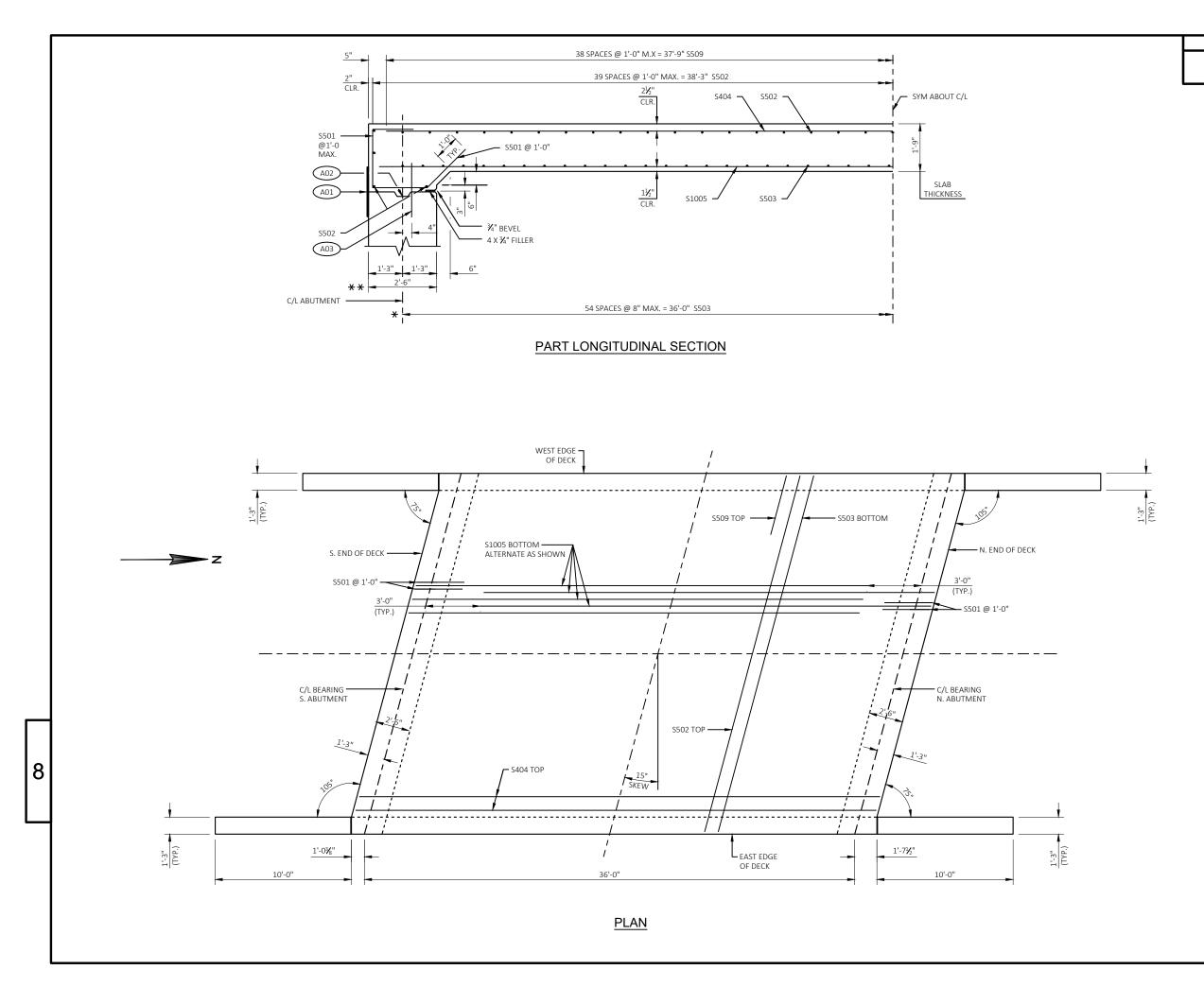
TRANSVERSE BARS SHALL BE PLACED PARALLEL TO THE C/L OF SUBSTRUCTURE UNITS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

CAMBER SPAN AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION & FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT. DEAD LOAD DEFLECTIONS ONLY EQUAL APPROXIMATELY 1/3 OF CAMBER VALUES SHOWN.

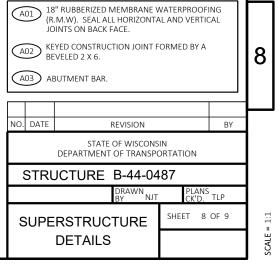
PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATION AT THE C/L OF ABUTMENTS, AND AT 5/10 PTS. TO VERIFY CAMBER, TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN OR C/L.

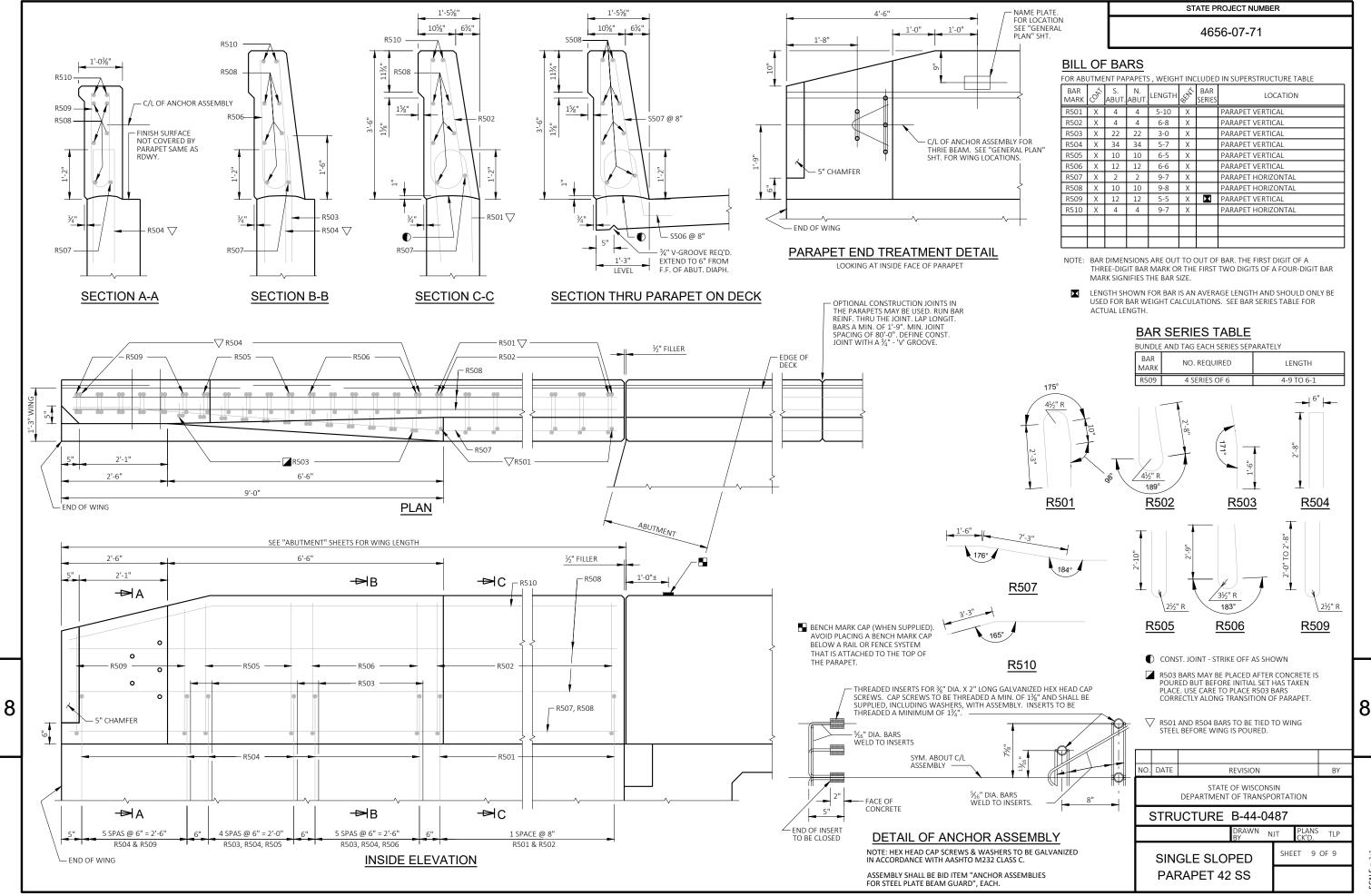
					8		
NO.	DATE	REVISION BY					
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION						
	STRI	JCTURE B-44-04	187				
		DRAWN BY	JT PLANS CK'D.	TLP			
			SHEET 7	OF 9	SCALE = 1:1		
	SUPERSTRUCTURE						



4656-07-71

LEGEND





SCALE =

		AREA (SF)			INCREN	/IENTAL VOL (CY) (UNAD	JUSTED)	CUMULATIVE VOL (CY)			
STATION	REAL STATION	DISTANCE	CU⊤	SALVAGED/UNUSAB PAVEMENT MATERI	FILL	CU⊤	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CU⊤ 1.00	EXPANDED FILL	MASS ORDII
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
09+28	928.00	0.00	32.45	8.94	0.05	0	0	0	0	0	0
09+38	938.00	10.00	31.55	8.71	5.71	12	3	1	12	1	8
09+50	950.00	12.00	29.93	8.71	8.55	14	4	3	26	5	14
09+53.78	953.78	3.78	30.20	8.71	8.92	4	1	1	30	6	16
09+72.494	972.49	18.71	29.55	8.71	57.11	21	6	23	51	35	2
09+78.925	978.93	6.43	14.86	4.13	15.91	5	2	9	56	46	-6
				COLUI	MN TOTALS	56	16	37	_		

DIVISION 2	DIVISION 2 - LCL-COUNTYLINE										
			AREA (SF)			IEN⊤AL VOL (CY) (UNAD	CUMULATIVE VOL (CY)				
STATION	REAL STATION	DISTANCE	CUT	SALVAGED/UNUSABLE	E11.1	CUT	SALVAGED/UNUSABLE	FILL	СИТ	EXPANDED FILL	MASS ORD
			CUT	PAVEMENT MATERIAL	FILL		PAVEMENT MATERIAL		1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		ΝΟΤΕ
10+31.082	1031.08	0.00	16.27	3.90	7.97	0	0	0	0	0	0
10+37.513	1037.51	6.43	29.58	8.71	20.60	5	2	3	5	4	-1
10+50	1050.00	12.49	28.85	8.94	17.10	14	4	9	19	15	-2
10+62	1062.00	12.00	30.42	9.17	13.83	13	4	7	32	24	-2
10+72	1072.00	10.00	30.90	9.17	0.12	11	3	3	43	28	3
				COLUMN	TOTALS	43	13	22			

Notes:		
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL	Г
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS	
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME	
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [CUT - SALVAGED PAVT - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]	Ε

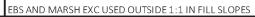
PROJECT NO: 4656-07-71	HWY: COUNTY LINE ROAD	COUNTY: OUTAGAMIE	l		JANTITIES	
FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\46560700\SHEETSPLAN\090101-EW.DWG PLOT DATE :				PLOT BY :	MIKE LAPEAN	PLOT NAME :

FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-07-71 COUNTY LINE ROAD\46560700\SHEETSPLAN\090101-EW.DWG PLOT DATE : 7/14/2022 3:10 PM PLOT BY : MIKE LAPEAN PL LAYOUT NAME - 01

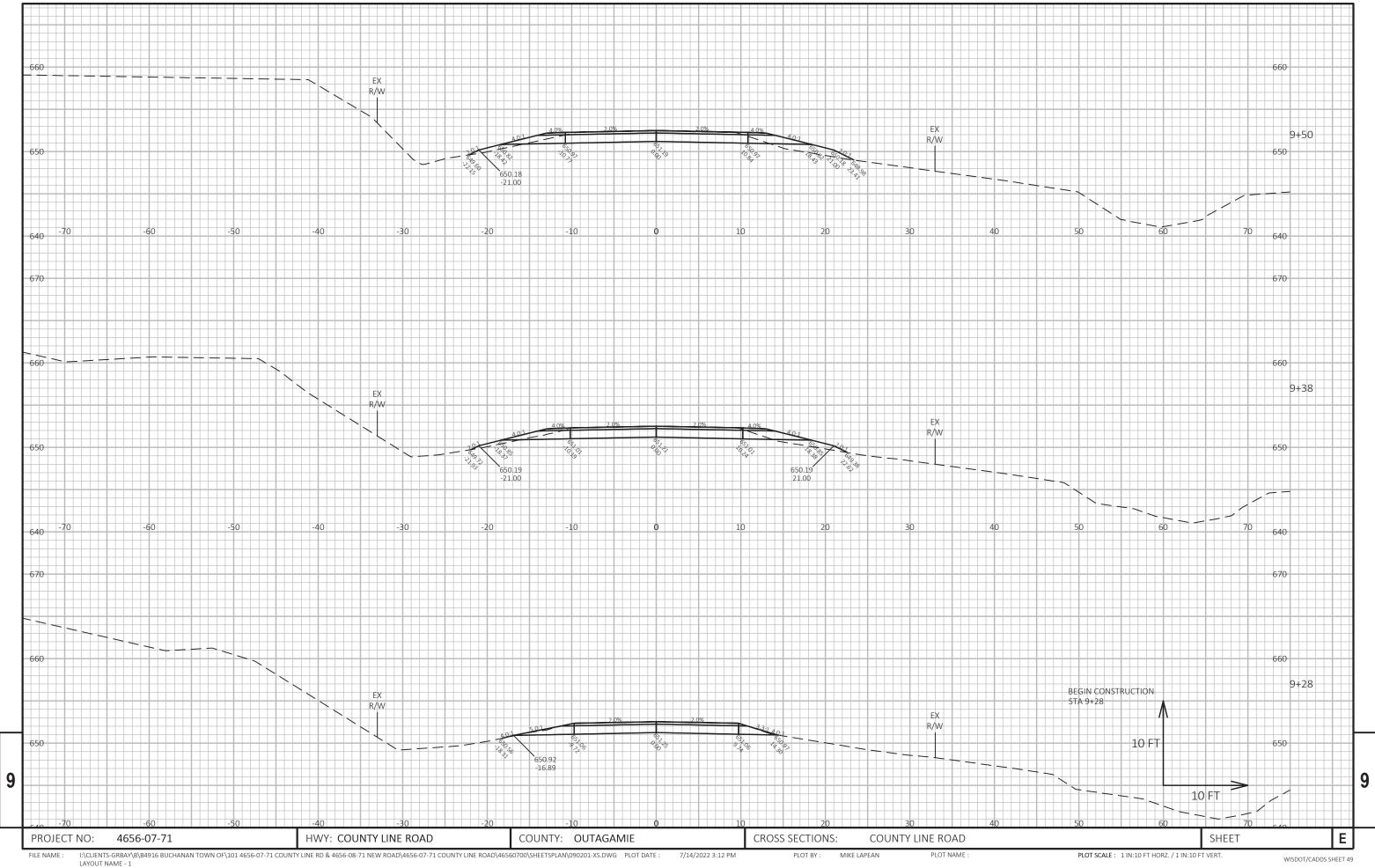
9

RDINATE
TE 8

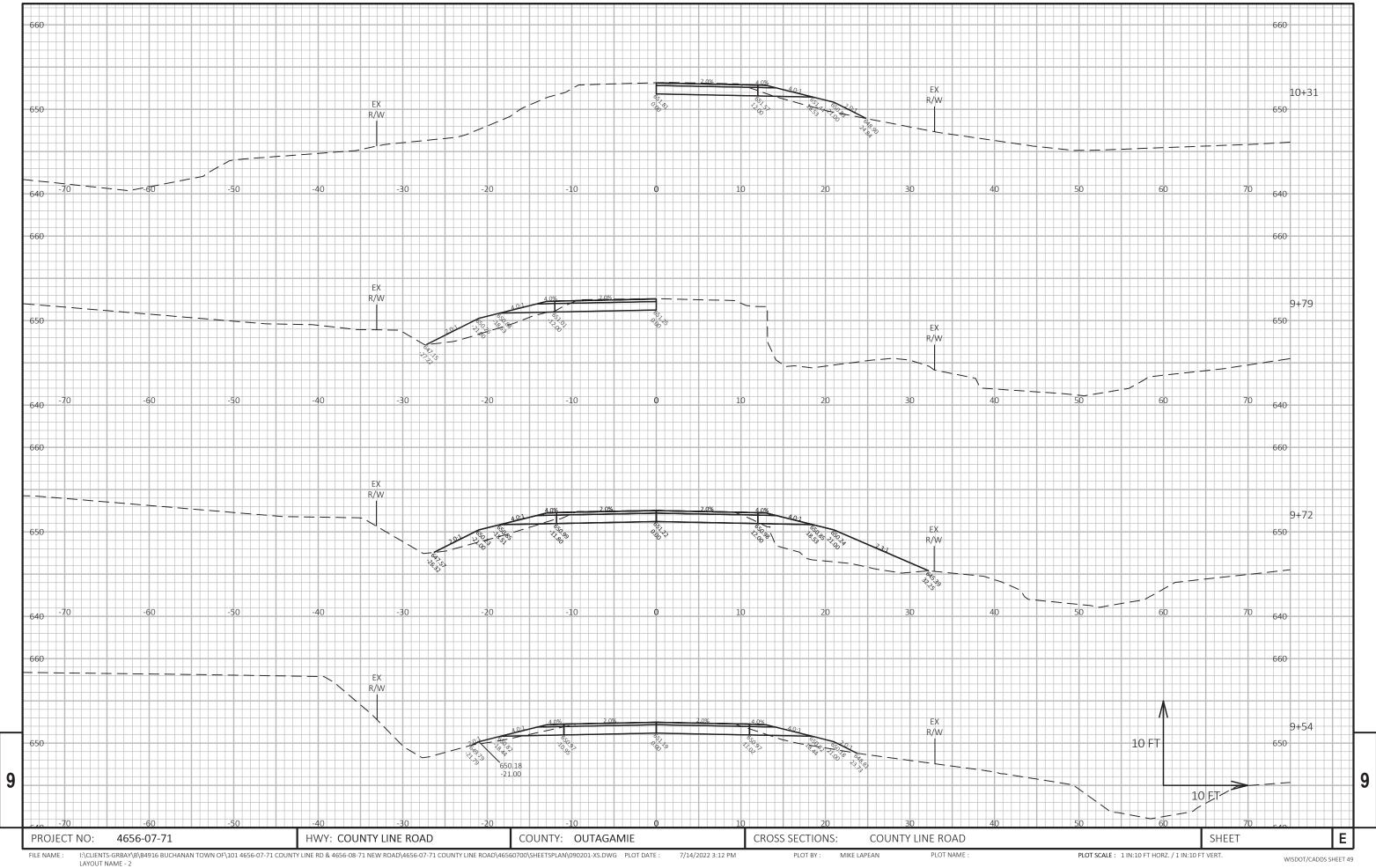
RDINATE	
TE 8	



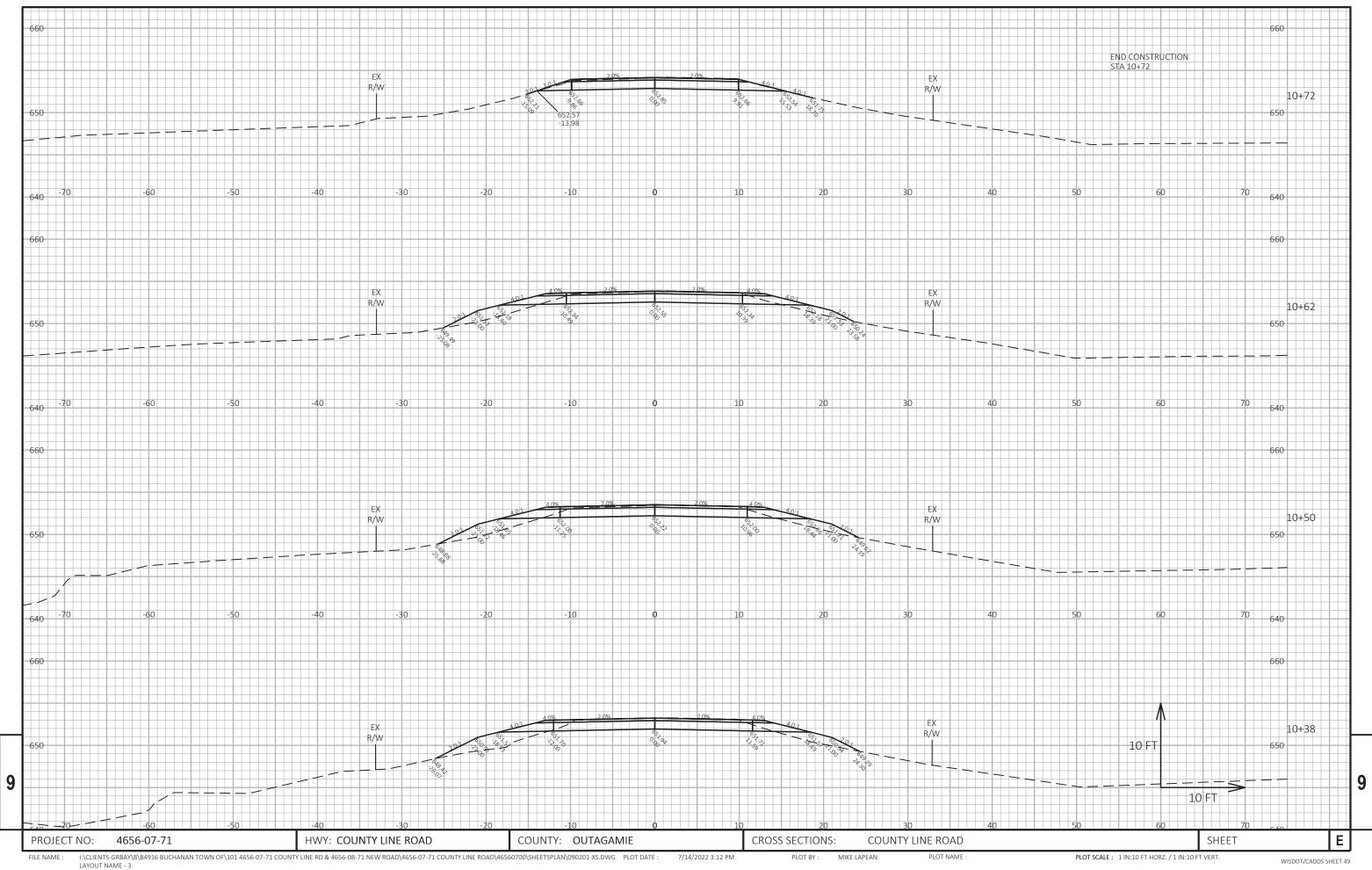
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WISDOT/CADDS SHEET 49

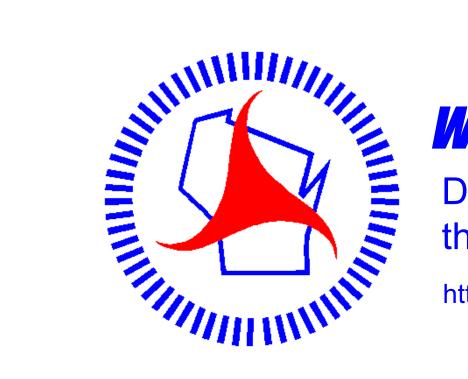


WISDOT/CADDS SHEET 49



WISDOT/CADDS SHEET 49

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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

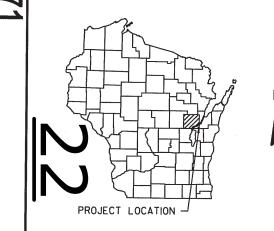
50

tails

TOTAL SHEETS =

Jan 10, 2023

ORDER OF SHEETS



DESIGN DESIGNATION 4656-08-00 AADT 2023 = 49A.A.D.T. 2043 = 54 D.H.V. = 7 D.D. = 60/40 = 10% DESIGN SPEED = 25 MPH

= N/A

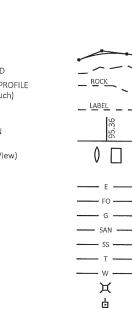


ESALS

CONVENTIONAL SYMBOL	5
<u>PLAN</u>	
CORPORATE LIMITS	<u> ///////</u>
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	L
EXISTING RIGHT OF WAY	<u> </u>
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	300'EB'
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	_
COMBUSTIBLE FLUIDS	-CAUTION-
MARSH AREA	
WOODED OR SHRUB AREA	<pre>////////////////////////////////////</pre>

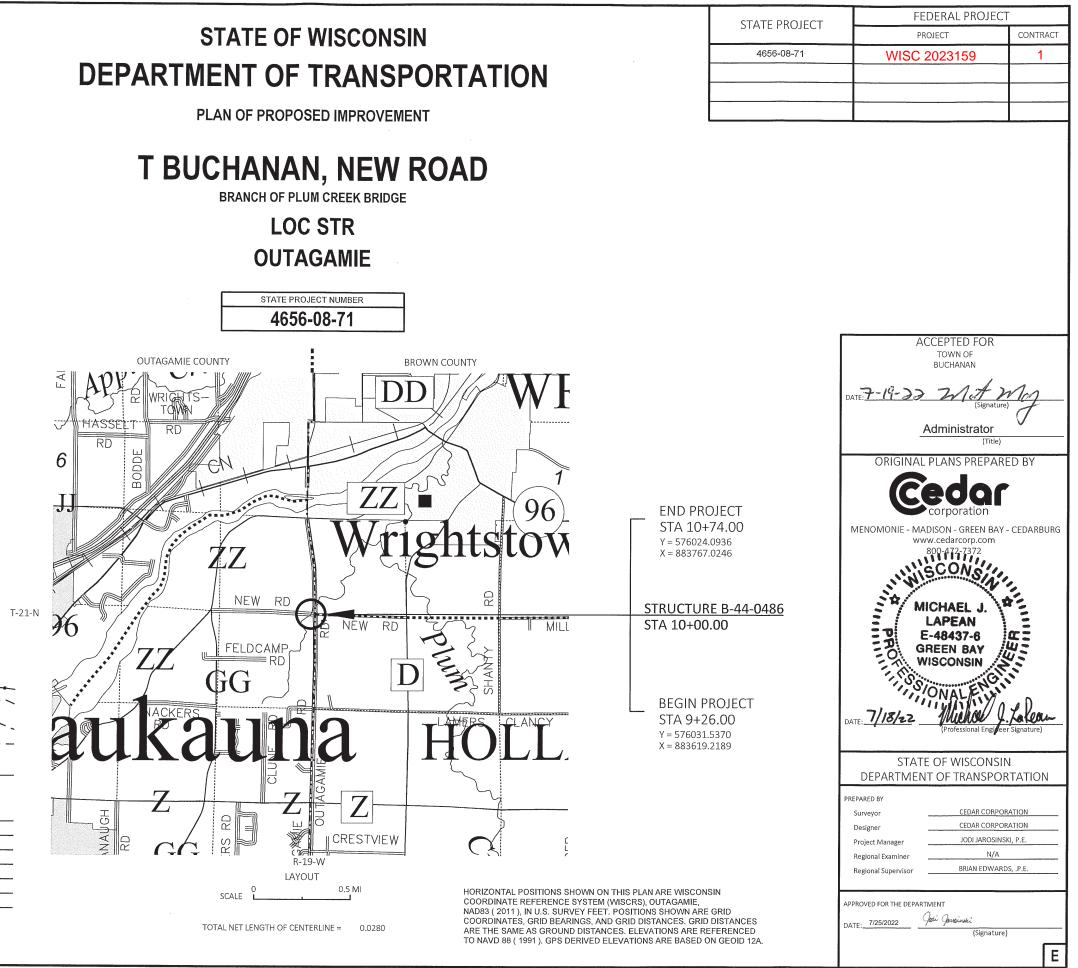
PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE FLEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE

TELEPHONE POLE



STATE OF WISCONSIN

LOC STR



FILE NAME : I:\CLIENTS-GRBAY\B\84916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/18/2022 3:31 PM

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COUNTY: OUTAGAMIE

GRE

GENERAL NOTES

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

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

D.O.T. BRIDGE BENCHMARK MONUMENT TO BE FURNISHED BY THE STATE AND PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

DNR CONTACT

DNR NORTHEAST REGIONAL OFFICE 2984 SHAWANO AVENUE GREEN BAY, WI 54313 ATTN: MATTHEW D. SCHAEVE PH: (920) 366-1544 EMAIL: matthew.schaeve@wisconsin.gov

DESIGN CONSULTANT CONTACT

CEDAR CORPORATION 1695 BELLEVUE STREET GREEN BAY, WI 54311 ATTN: MICHAEL J. LAPEAN, P.E. PH: (920)785-7314 EMAIL: mike.lapean@cedarcorp.com

WISDOT PROJECT MANAGER

WISDOT NE REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 ATTN: JODI JAROSINSKI, P.E. PH: (920) 360-2351 EMAIL: jodi.jarosinski@dot.wi.gov

MUNICIPALITY

TOWN OF BUCHANAN N178 COUNTY ROAD N APPLETON, WI 54915 ATTN: MAGGIE MAHONEY, TOWN ADMINISTRATOR PH: (920) 734-8599 EMAIL: MaggieM@townofbuchanan.org

UTILITY CONTACTS

COMMUNICATIONS AT&T WISCONSIN 221 WEST WASHINGTON STREET APPLETON, WI 54911 ATTN: KYLE WEBER PH: (920) 221-5969 EMAIL: kw715w@att.com

ELECTRIC WISCONSIN PUBLIC SERVICE 2850 SOUTH ASHLAND AVENUE GREEN BAY, WI 54304 ATTN: RYAN VOSKUIL PH: (920) 617-5150 EMAIL: ryan.voskuil@wisconsinpublicservice.com

RUNOFF COEFFICIENT TABLE

Г													
					Н	YDROLOGIC	SOIL GROU	JP					
		А			В			С			D		
	SLOPE	RANGE (PE	ERCENT)	SLOPE	RANGE (PE	RCENT)	SLOPE	RANGE (PE	RCENT)	SLOPE	RANGE (PE	RCENT)	
LAND USE:	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38	
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56	
MEDIAN STRIP-TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30	
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40	
SIDE SLOPE TURF			.25			.27			.28			.30	
			.32			.34			.36			.38	
PAYMENT:												-	
ASPHALT:						.70	95						
CONCRETE:						.80	95						
BRICK:						.70	80						
DRIVES, WALKS:						.75	85						
ROOFS:						.75	95						
GRAVEL ROADS, SHOULDERS:						.40	60						
TOTAL PROJECT AREA = 0.23 ACRES													

IP	IRON PIN	TL OR T/L	TRANSIT LINE		ASPHALT:			
LT LHF L LF MAX	LEFT LEFT-HAND FORWARD LENGTH OF CURVE LINEAR FOOT MAXIMUM	I TYP U/G USH VAR	TRUCKS TYPICAL UNDERGROUND UNITED STATES HIGHWAY VARIABLE		CONCRETE: BRICK:			
MI MIN NC	MILE MINIMUM NORMAL CROWN NORTH	V VPC VPI VPT	VELOCITY VERTICAL POINT OF CURVATURE VERTICAL POINT OF INTERSECTION VERTICAL POINT OF TANGENCY		DRIVES, WALKS: ROOFS: GRAVEL ROADS. S			
NE NW NO	NORTHEAST NORTHWEST NUMBER	W YB	WEST YARD		TOTAL PROJECT ARE	AL PROJECT AREA = 0.23 ACRES AL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.16 ACRES		
PROJECT N	0: 4656-08-71		HWY: NEW ROAD	COUNTY: OUTAGAMIE		GENERAL NOTE	S	
	\CLIENTS-GRBAY\B\B4916 BUCHANAN TOW AYOUT NAME - 01	N OF\101 4656-07-71 CO	7/14/2022 3:59 PM	PLOT BY :	MIKE LAPEAN	PLOT NAME :		

STANDARD ABBREVIATIONS

ABUT AGG	ABUTMENT AGGREGATE	OFF PC
ET AL	AND OTHERS	PC
AADT	ANNUAL AVERAGE DAILY TRAFFIC	
BE	BACK FACE	POI
BM	BENCHMARK	POL
C/L OR €	CENTERLINE	PE
C/LOK € ∧	CENTRAL ANGLE OR DELTA	PL PSI
CLR	CLEAR	PROP
CONC	CONCRETE	R
CONST	CONSTRUCTION	RR
COR	CORNER	REBAR
CMP	CORRUGATED METAL PIPE	REQ'D
CTH	COUNTY TRUNK HIGHWAY	RT
CR	CREEK	RHF
CFS	CUBIC FEET/SECOND	R/W
CULV	CULVERT	RD
D	DEGREE OF CURVE	SEC
DHV	DESIGN HOUR VOLUME	S
DIA	DIAMETER	SE
F	FAST	SW
EL	ELEVATION	STH
EST	ESTIMATED	STA
FPS	FEET PER SECOND	SE
FE	FIELD ENTRANCE	T
FT	FOOT (FEET)	TFI
FTG	FOOTING	TEMP
FDN	FOUNDATION	TI
FF	FRONT FACE	TLE
IP	IRON PIN	TL OR T/L
IT	IFFT	Т
LHF	LEFT-HAND FORWARD	TYP
L	LENGTH OF CURVE	U/G
LF	LINEAR FOOT	USH
MAX	MAXIMUM	VAR
MI	MILE	V
MIN	MINIMUM	VPC
NC	NORMAL CROWN	VPI
N	NORTH	VPT
NE	NORTHEAST	W
NW	NORTHWEST	YB
NO	NUMBER	-

POINT OF INTERSECTION POINT OF TANGENCY POINT ON LINE PRIVATE ENTRANCE PROPERTY LINE POUNDS/SQUARE INCH PROPOSED RADIUS RAILROAD REINFORCEMENT BAR REQUIRED RIGHT RIGHT-HAND FORWARD **RIGHT-OF-WAY** ROAD SECTION SOUTH SOUTHEAST SOUTHWEST STATE TRUNK HIGHWAY STATION SUPER ELEVATION TANGENT TELEPHONE TEMPORARY TEMPORARY INTEREST TEMPORARY LIMITED EASEMENT

OFFSET

POINT OF CURVATURE

2

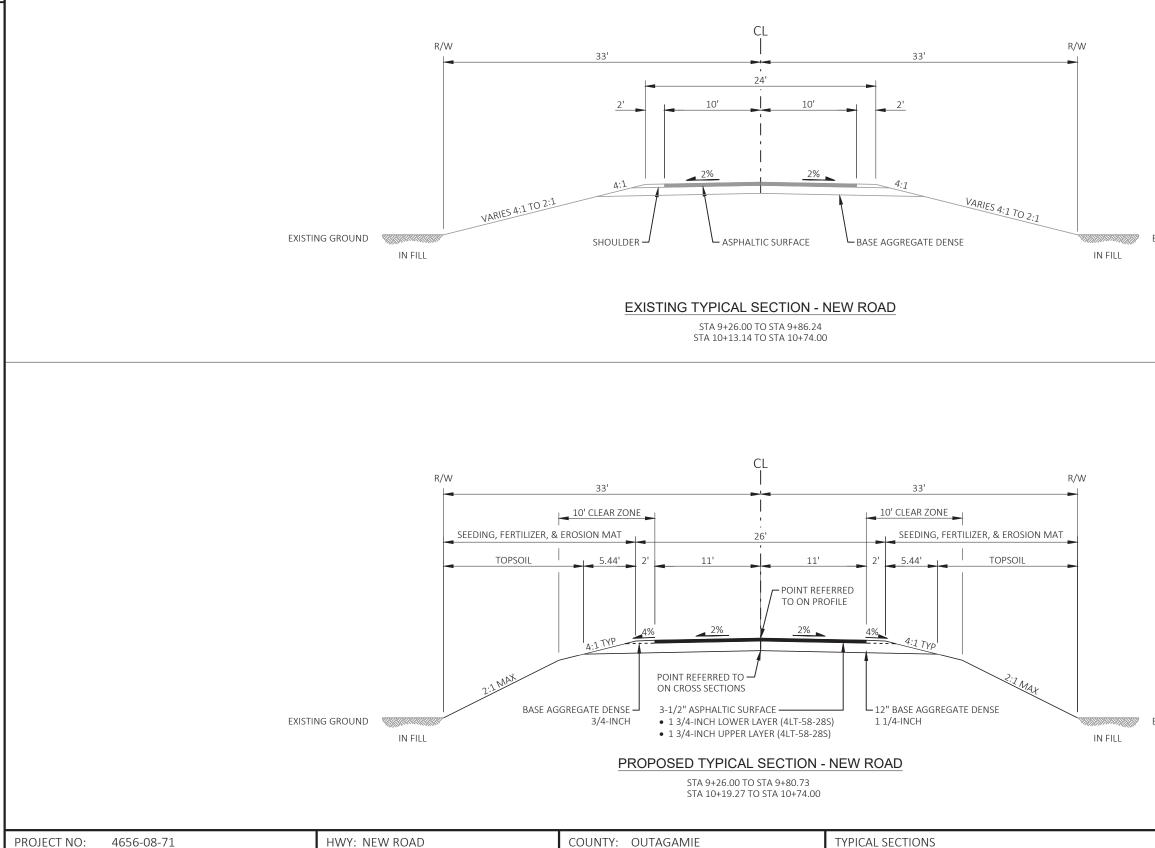


SHEET

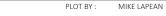
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FILE NAME : I:\CLIENTS-GRBAY\8\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\020301-TS.DWG PLOT DATE : 7/14/2022 4:10 PM LAYOUT NAME - TS-1



PLOT NAME :

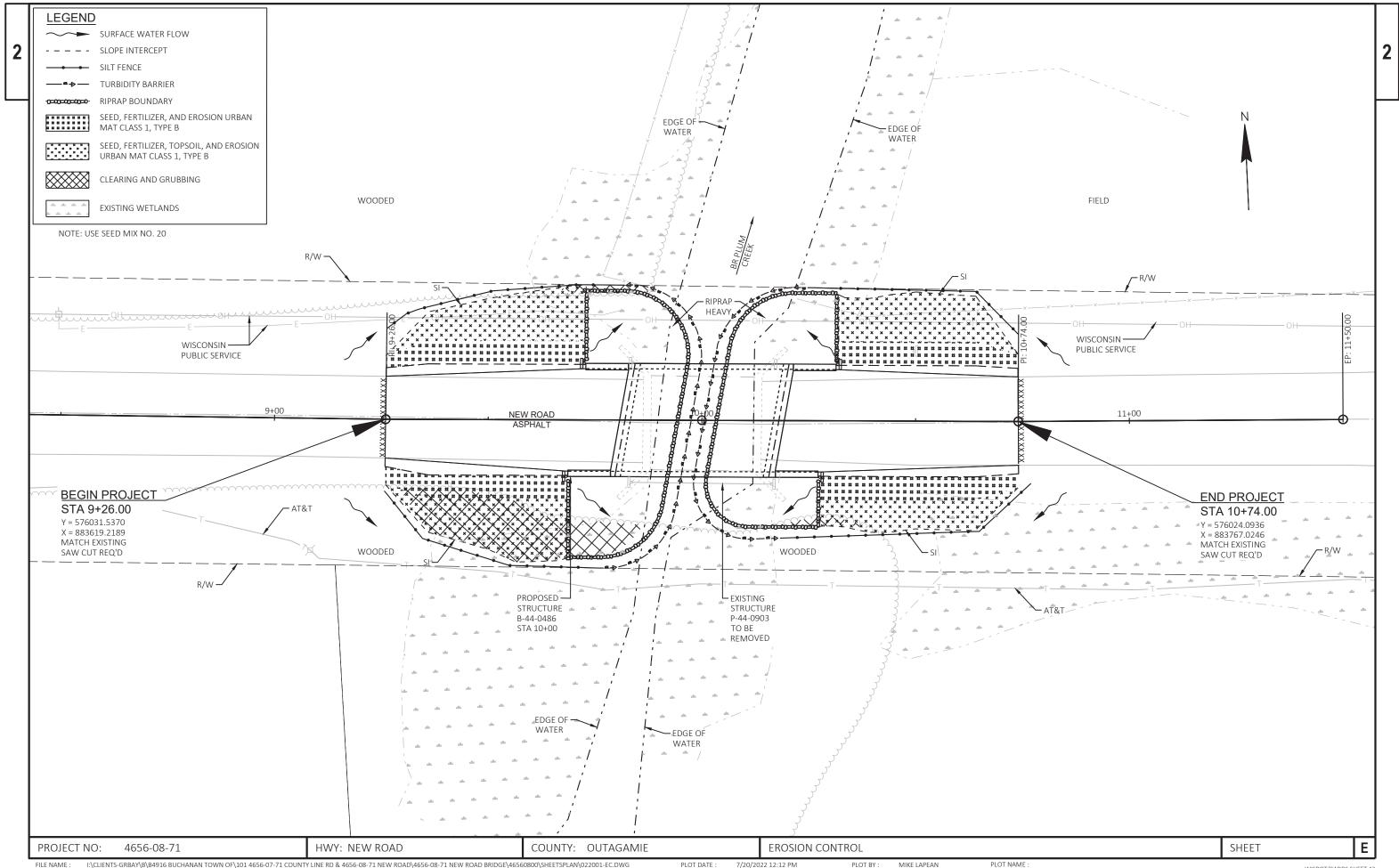
2

EXISTING GROUND

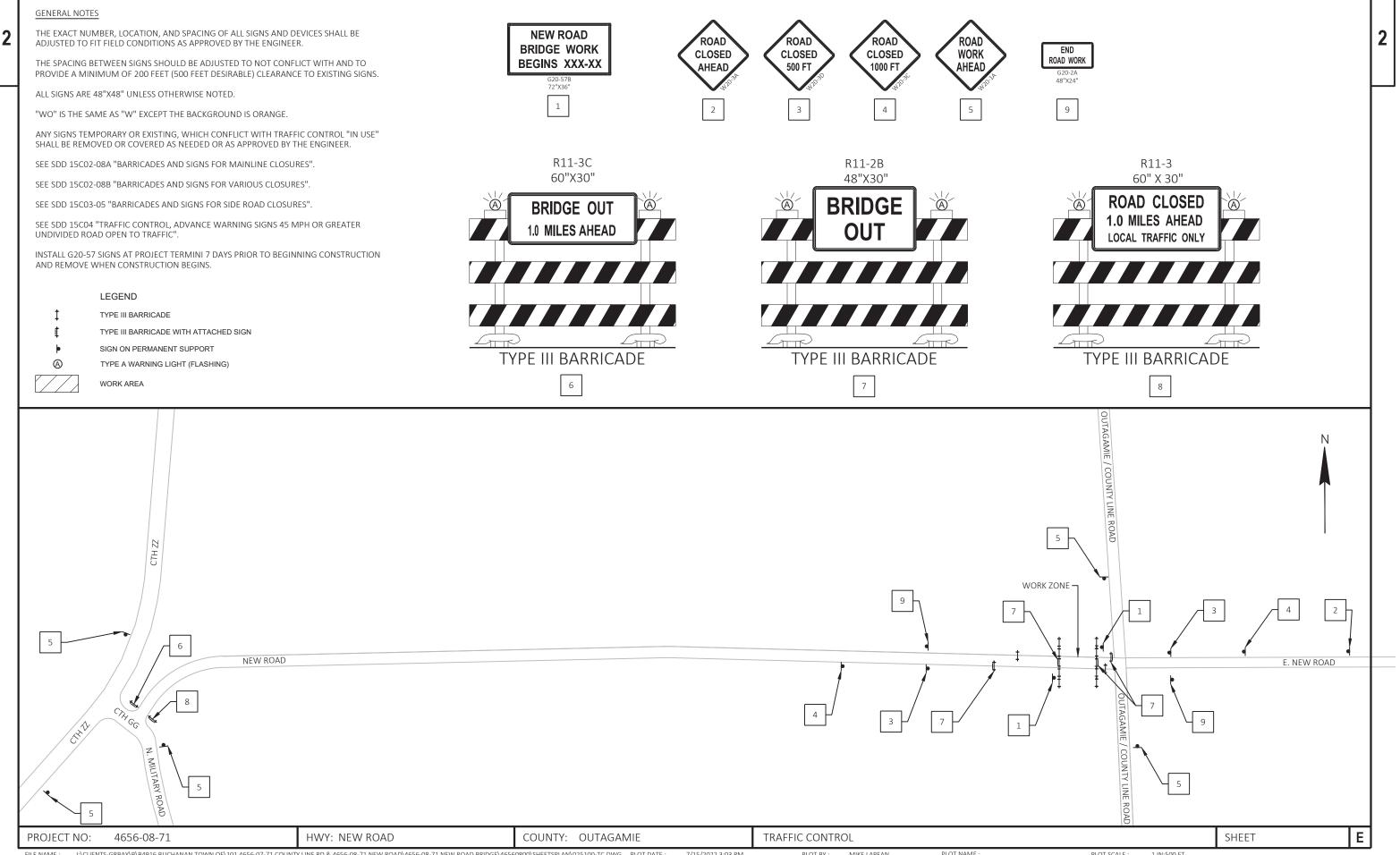
EXISTING GROUND

SHEET

Е



PLOT NAME :



PROJECT NO: 4656-08-71	HWY: NEW ROAD	COUNTY: OUTAGAMIE	TRAFFIC CONTROL		
FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNT	PLOT BY : MIKE LAPEAN	PLOT NAME :			

LAYOUT NAME - 025100-tc

3

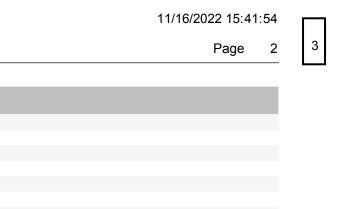
Estimate Of Quantities By Plan Sets

					····		
					4656-08-71		
Line	Item	Item Description	Unit	Total	Qty		
0002	201.0105	Clearing	STA	2.000	2.000		
0004	201.0205	Grubbing	STA	2.000	2.000		
8000	203.0250	Removing Structure Over Waterway Remove Debris (structure) 02. B-44-0486	EACH	1.000	1.000		
0010	204.0170	Removing Fence	LF	53.000	53.000		
0014	205.0100	Excavation Common	CY	97.000	97.000		
0018	206.1001	Excavation for Structures Bridges (structure) 02. B-44-0486	EACH	1.000	1.000		
0020	208.0100	Borrow	CY	57.000	57.000		
0022	210.1500	Backfill Structure Type A	TON	200.000	200.000		
0026	213.0100	Finishing Roadway (project) 02. 4656-08-71	EACH	1.000	1.000		
0028	305.0110	Base Aggregate Dense 3/4-Inch	TON	9.000	9.000		
0030	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	246.000	246.000		
0032	455.0605	Tack Coat	GAL	19.000	19.000		
0034	465.0105	Asphaltic Surface	TON	55.000	55.000		
0036	502.0100	Concrete Masonry Bridges	CY	126.000	126.000		
0038	502.3200	Protective Surface Treatment	SY	137.000	137.000		
0042	505.0400	Bar Steel Reinforcement HS Structures	LB	3,020.000	3,020.000		
0042	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	15,120.000	15,120.000		
0044	513.4061	Railing Tubular Type M	LB	117.000	117.000		
			SY				
0048	516.0500	Rubberized Membrane Waterproofing	LF	16.000 560.000	16.000		
0050	550.1100	Piling Steel HP 10-Inch X 42 Lb			560.000		
0054	606.0300	Riprap Heavy	CY	170.000	170.000		
0056	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	160.000	160.000		
0060	618.0100	Maintenance And Repair of Haul Roads (project) 02. 4656-08-71	EACH	1.000	1.000		
0062	619.1000	Mobilization	EACH	0.500	0.500		
0064	624.0100	Water	MGAL	4.000	4.000		
0066	625.0100	Topsoil	SY	190.000	190.000		
0068	628.1504	Silt Fence	LF	275.000	275.000		
0070	628.1520	Silt Fence Maintenance	LF	275.000	275.000		
0072	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000		
0074	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000		
0076	628.2008	Erosion Mat Urban Class I Type B	SY	305.000	305.000		
0078	628.6005	Turbidity Barriers	SY	246.000	246.000		
080	629.0210	Fertilizer Type B	CWT	0.200	0.200		
0082	630.0120	Seeding Mixture No. 20	LB	9.000	9.000		
0084	630.0200	Seeding Temporary	LB	9.000	9.000		
0086	630.0500	Seed Water	MGAL	5.000	5.000		
0088	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000		
0090	637.2230	Signs Type II Reflective F	SF	12.000	12.000		
0094	638.2602	Removing Signs Type II	EACH	6.000	6.000		
0096	638.3000	Removing Small Sign Supports	EACH	6.000	6.000		
0098	642.5001	Field Office Type B	EACH	0.500	0.500		
0100	643.0420	Traffic Control Barricades Type III	DAY	960.000	960.000		
0102	643.0705	Traffic Control Warning Lights Type A	DAY	1,440.000	1,440.000		
0104	643.0900	Traffic Control Signs	DAY	1,080.000	1,080.000		
0106	643.1000	Traffic Control Signs Fixed Message	SF	36.000	36.000		
0108	643.5000	Traffic Control	EACH	0.500	0.500		
0110	645.0111	Geotextile Type DF Schedule A	SY	30.000	30.000		
0112	645.0120	Geotextile Type HR	SY	305.000	305.000		
0114	650.4500	Construction Staking Subgrade	LF	110.000	110.000		



Estimate Of Quantities By Plan Sets

					4656-08-71
Line	Item	Item Description	Unit	Total	Qty
0116	650.5000	Construction Staking Base	LF	110.000	110.000
0120	650.6501	Construction Staking Structure Layout (structure) 02. B-44-0486	EACH	1.000	1.000
0124	650.9911	Construction Staking Supplemental Control (project) 02. 4656-08-71	EACH	1.000	1.000
0126	650.9920	Construction Staking Slope Stakes	LF	94.000	94.000
0128	690.0150	Sawing Asphalt	LF	40.000	40.000
0130	715.0502	Incentive Strength Concrete Structures	DOL	760.000	760.000
0132	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 10+00	EACH	1.000	1.000
0134	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	100.000	100.000
0136	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	100.000	100.000
0138	SPV.0090	Special 01. Flashing Stainless Steel	LF	77.000	77.000



CLEARING & GRUBBING

					201.0105	201.0205
					CLEARING	GRUBBING
CATEGORY	STATION TO) STATION	OFFSET	LOCATION	STA	S⊤A
0010	9+30 -	10+40	RT	NEW ROAD	2	2
				TOTAL 0010	2	2

CATEGORY STATION TO STATION OFFSET LOCATION				201.0205 GRUBBING STA		CA	EGORY STATION	to station LT/RT	LOCATION	204.0170 REMOVING FENCE LF	REM/	ARKS
0010 9+30 - 10	0+40 R⊤	NEW ROAD	2	2		C	0010 10+22	- 10+75 LT	NEW ROAD	53	REMOVE EXISTING W	/IRE FENCE & POSTS
		TOTAL 0010	2	2					TOTAL 0010	53		
DIVISION	FROM/TO STATION	LOCATION		05.0100 IN EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW (16)	COMMENT
DIVISION 1								7.0				
NEW ROAD DIVISION 1 SUBTOTAL	09+26/09+72.80	WEST APPROACH	44	0	23 23	21 21	62 62	78 78	-57 -57	0	57 57	I
DIVISION 2												
NEW ROAD	10+27.20/10+74	EAST APPROACH	53	0	10	43	34	43	1	1	0	
DIVISION 2 SUBTOTAL			53	0	10	43	34	43	1	1	0	
GRAND TOTAL			97	0	33	64	96	120	-56	1	57	
1	TOTAL (COMMON EXC		97								

NOTES:

3

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(13) EXPANDED FILL FACTOR = 1.25

EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION. (15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

(16) CONTRACTOR MAY OBTAIN SUITABLE BORROW MATERIAL FROM OTHER DIVISIONS OR EXCAVATED MATERIAL UNDER BID ITEM EXCAVATION FOR STRUCTURES IN ACCORDANCE WITH STANDARD SPEC 208.2.2(2), AND MEASURED ACCORDING TO 208.4.1.

							305.0110	305.0120	624.0100	
							BASE AGGREGATE	BASE AGGREGATE DENSE 1 1/4-		
							DENSE 3/4-INCH	INCH	WATER	
		CATEGORY	STATION	то	STATION	LOCATION	TON	TON	MGAL	REMARKS
		0010	9+26.00	-	9+80.73	NEW ROAD	5	123	2	
		0010	10+19.27	-	10+74.00	NEW ROAD	4	123	2	
						TOTAL 0010	9	246	4	
PROJECT NO:	4656-08-71	HWY: NEW ROAD			COU	NTY: OUTA	GAMIE		MISCELLANEOUS QUANTITIES	

I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\030101-MQ.DWG PLOT DATE : 7/20/2022 12:37 PM LAYOUT NAME - 01 PLOT BY : MIKE LAPEAN PLOT NAME : FILE NAME :

REMOVING FENCE

3

PLOT SCALE : 1" = 1' Ε

						<u>HMA</u>			
						455.0605	465.0105		
							ASPHALTIC		
-	CATEGORY	STATION	ТО	STATION	LOCATION	TACK COAT GAL	SURFACE TON	REMARKS	
		0.00.00		0.00 70		0	27		
	0010 0010	9+26.00 10+19.27	-	9+80.73 10+74.00	NEW ROAD NEW ROAD	9 10	27 28		
1					TOTAL 0010	19	55		

3

EROSION CONTROL

	CATEGORY 30											
							628.1504	628.1520	628.1905	628.1910	628.6005	
		618.0100.02								MOBILIZATIONS		
		MAINTENANCE							MOBILIZATIONS	EMERGENCY		
		AND REPAIR OF						SILT FENCE	EROSION	EROSION	TURBIDITY	
		HAUL ROADS					SILT FENCE	MAINTENANCE	CONTROL	CONTROL	BARRIERS	
		(PROJECT) (02.	CATEGORY	STATION TO	STATION OFFSET	LOCATION	LF	LF	EACH	EACH	SY	REMARKS
		4656-08-71)										
CATEGORY	LOCATION	EACH	0010	9+26 -	10+00 LT&RT	NEW ROAD	110	110	1	1	123	
			0010	10+00 -	10+74 L⊤&R⊤	NEW ROAD	110	110	1	1	123	
0030	PROJECT	1	0010			UNDISTRIBUTED	55	55	1	1	-	
	TOTAL 0030	1				TOTAL 0010	275	275	3	3	246	

<u>RESTORATION</u>

						625.0100	628.2008 EROSION MAT	629.0210	630.0120	630.0200	630.0500		
							URBAN CLASS I	FERTILIZER TYPE	SEEDING	SEEDING			
						TOPSOIL	TYPE B	В	MIXTURE NO. 20	TEMPORARY	SEED WATER		
CATEGORY	STATION	ТО	STATION	OFFSET	LOCATION	SY	SY	CW⊤	LB	LB	MGAL	REMARKS	
0010	9+26.00	-	9+68.66	RT	NEW ROAD	49	74	0.05	2	2	1		
0010	9+26.00	-	9+72.80	LT	NEW ROAD	46	73	0.05	2	2	1		
0010	10+27.20	-	10+74.00	RT	NEW ROAD	32	59	0.04	2	2	1		
0010	10+31.34	-	10+74.00	LT	NEW ROAD	46	71	0.04	2	2	1		
0010	-	-	-	-	UNDISTRIBUTED	17	28	0.02	1	1	1		
					TOTAL 0010	190	305	0.20	9	9	5		

	PROJECT NO:	4656-08-71	HWY: NEW ROAD	COUNTY: OUTAGAMIE		MISCELLANEOUS	S QUANTITIES	
FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\030101-MQ.DWG PLOT DATE : 7/20/2022 12:37 PM PLOT BY : MIKE LAPEAN PLOT NAM							PLOT NAME :	

FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\030101-MQ.DWG PLOT DATE : 7/20/2022 12:37 PM PLOT BY : MIKE LAPEAN LAYOUT NAME - 02

9	
5	
-	

SHEET

<u>signing</u>

				SIGN			634.0612 POSTS WOOD 4X6-INCH X 12- FT	637.2230 SIGNS TYPE II REFLECTIVE F	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS				
	CATEGORY	STATION	LOCATION	NUMBER	SIGN CODE	SIZE	EACH	SF	EACH	EACH	REMARKS			
	0010	9+42	R⊤	1R	-	-	-	-	1	1	WEIGHT LIMIT 12 TONS*			
3	0010	9+68	RT	1	W5-52R	12X36	1	3.0	-	-	BRIDGE HASH MARKS			
	0010	9+72	LT	2	W5-52L	12X36	1	3.0	-	-	BRIDGE HASH MARKS			
1 1	0010	9+84	RT	2 R	-	-	-	-	1	1	BRIDGE HASH MARKS*	CATEGORY	STATION	LC
1 1	0010	9+84	LT	ЗR	-	-	-	-	1	1	BRIDGE HASH MARKS*			
Ч	0010	10+16	RT	4R	-	-	-	-	1	1	BRIDGE HASH MARKS*	0010	9+26.00	NE
	0010	10+17	LT	5 R	-	-	-	-	1	1	BRIDGE HASH MARKS*	0010	10+74.00	NE
	0010	10+28	RΤ	3	W5-52L	12X36	1	3.0	-	-	BRIDGE HASH MARKS			
	0010	10+32	LT	4	W5-52R	12X36	1	3.0	-	-	BRIDGE HASH MARKS			TO
	0010	10+50	LT	6 R	-	-	-	-	1	1	WEIGHT LIMIT 12 TONS*			
						TOTAL 0010	4	12.0	6	6				
											*ALL SIGNS TO BE SALVAGED AND RETURNED TO TOWN OF BUCHANAN			

TRAFFIC CONTROL

CATEGORY	LOCATION	NUMBER OF BARRICADES TYPE III PER DAY	NUMBER OF WARNING LIGHTS TYPE A PER DAY	NUMBER OF SIGNS PER DAY	DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.5000 TRAFFIC CONTROL EACH	REMARKS
0010 0010	7-DAY ADVANCED WARNING PROJECT	- 16	- 24	2 18	7 60	- 960	1,440	- 1,080	36.0	- 0.5	G20-57
	TOTAL 0010					960	1,440	1,080	36.0	0.5	

CONSTRUCTION STAKING

4656-08-71		HWY: NEV	V ROAD	COUNTY:	OUTAGAMIE		MISCELLA	NEOUS QUANTITIES		
			TOTAL 0010	110	110	1	1	94		
10+27.20	-	10+74.00	NEW ROAD	-	-	-	-	47		
10+19.27	-	10+74.00	NEW ROAD	55	55	-	-	-	0020	10+00
9+26.00	-	9+80.73	NEW ROAD	55	55	-	-	-		
9+26.00	-	9+72.80	NEW ROAD	-	-	-	-	47	CATEGORY	STATION
-	-	-	PROJECT	-	-	1	1	-		
STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	LF		
				SUBGRADE	STAKING BASE	(02. B-44-0486)	4656-08-71)	STAKES		
				STAKING	CONSTRUCTION	(STRUCTURE)	(PROJECT) (02.	STAKING SLOPE		
				CONSTRUCTION		LAYOUT	CONTROL	CONSTRUCTION		
				650.4500	650.5000	650.6501.02	650.9911.02	650.9920		
	9+26.00 9+26.00 10+19.27 10+27.20	9+26.00 - 9+26.00 - 10+19.27 - 10+27.20 -	9+26.00 - 9+72.80 9+26.00 - 9+80.73 10+19.27 - 10+74.00 10+27.20 - 10+74.00	- - - PROJECT 9+26.00 - 9+72.80 NEW ROAD 9+26.00 - 9+80.73 NEW ROAD 10+19.27 - 10+74.00 NEW ROAD 10+27.20 - 10+74.00 NEW ROAD TOTAL 0010 TOTAL 0010 TOTAL 0010	CONSTRUCTION STAKING SUBGRADE STATION TO STATION LOCATION LF - - - PROJECT - 9+26.00 - 9+72.80 NEW ROAD - 9+26.00 - 9+80.73 NEW ROAD 55 10+19.27 - 10+74.00 NEW ROAD 55 10+27.20 - 10+74.00 NEW ROAD - TOTAL 0010 110 110 110	CONSTRUCTION STAKING SUBGRADECONSTRUCTION STAKING BASESTATIONTOSTATIONLOCATIONLFLFPROJECT9+26.00-9+72.80NEW ROAD9+26.00-9+80.73NEW ROAD555510+19.27-10+74.00NEW ROAD555510+27.20-10+74.00NEW ROADTOTAL 001011011011010	CONSTRUCTION STAKING STRUCTURE LAYOUTCONSTRUCTION STAKING SUBGRADECONSTRUCTION CONSTRUCTION (STRUCTURE) SUBGRADEPROJECT19+26.00-9+72.80NEW ROAD9+26.00-9+80.73NEW ROAD9+26.00-9+80.73NEW ROAD555510+19.27-10+74.00NEW ROAD555510+27.20-10+74.00NEW ROADTOTAL 001011011011011-	STATIONTOSTATIONCONSTRUCTCONSTRUCTION STAKING STUCTURECONSTRUCTION STAKING STUCTURECONSTRUCTION STAKING (02. B-44-0486)CONSTRUCTROJECT119+26.00-9+72.80NEW ROAD9+26.00-9+80.73NEW ROAD555510+19.27-10+74.00NEW ROAD5555510+27.20-10+74.00NEW ROAD10+27.20-10+74.00NEW ROAD10+27.20-10+74.00NEW ROAD101111	STATIONTOSTATIONLOCATIONCONSTRUCTIONCONSTRUCTIONSTAKINGSTATIONTOSTATIONLOCATIONLFLFCONSTRUCTIONCONSTRUCTION9426.00-9472.80NEW ROAD4710+19.27-10+74.00NEW ROAD555510+27.20-10+74.00NEW ROAD555510+27.20-10+74.00NEW ROAD5555 <td>STATIONTOSTATIONLOCATIONLFLFCONSTRUCTIONSTAKINGSTAKING SLOPE9426.00</td>	STATIONTOSTATIONLOCATIONLFLFCONSTRUCTIONSTAKINGSTAKING SLOPE9426.00

FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\030101-MQ. DWG PLOT DATE : 7/26/2022 9:55 AM PLOT BY : MIKE LAPEAN PLOT NAME : LAYOUT NAME - 03

<u>SAWCUT</u>

	690.0150 SAWING ASPHALT	
LOCATION	LF	REMARKS
NEW ROAD	19	
NEW ROAD	21	
TOTAL 0010	40	

BIRD DETERRENT SYSTEM

999.2000.S.01

INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. STATION 10+00)

LOCATION	EACH
P-44-0903	1
TOTAL 0020	1

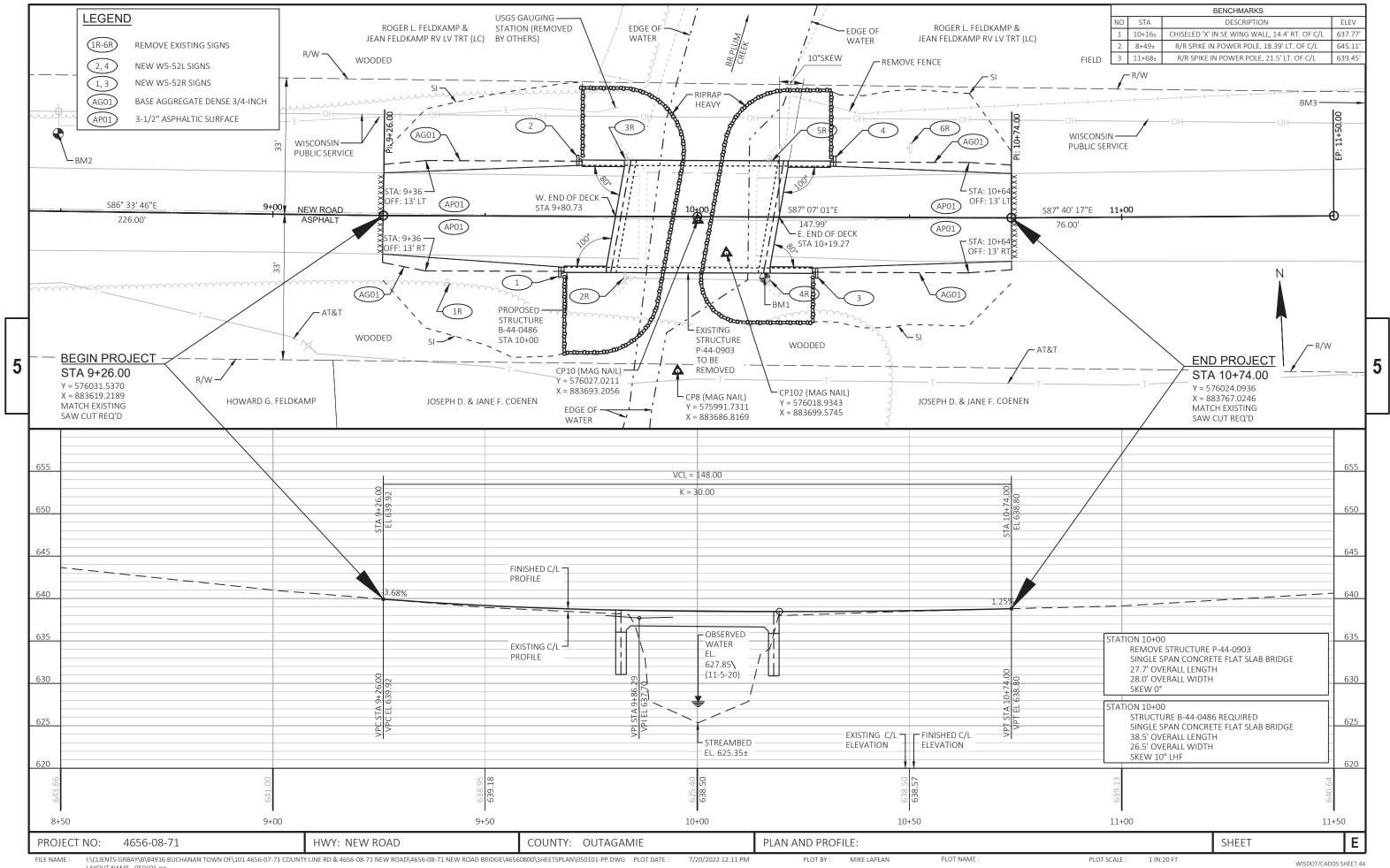
PLOT SCALE : 1" = 1'

SHEET

REMARKS

WISDOT/CADDS SHEET 42

E

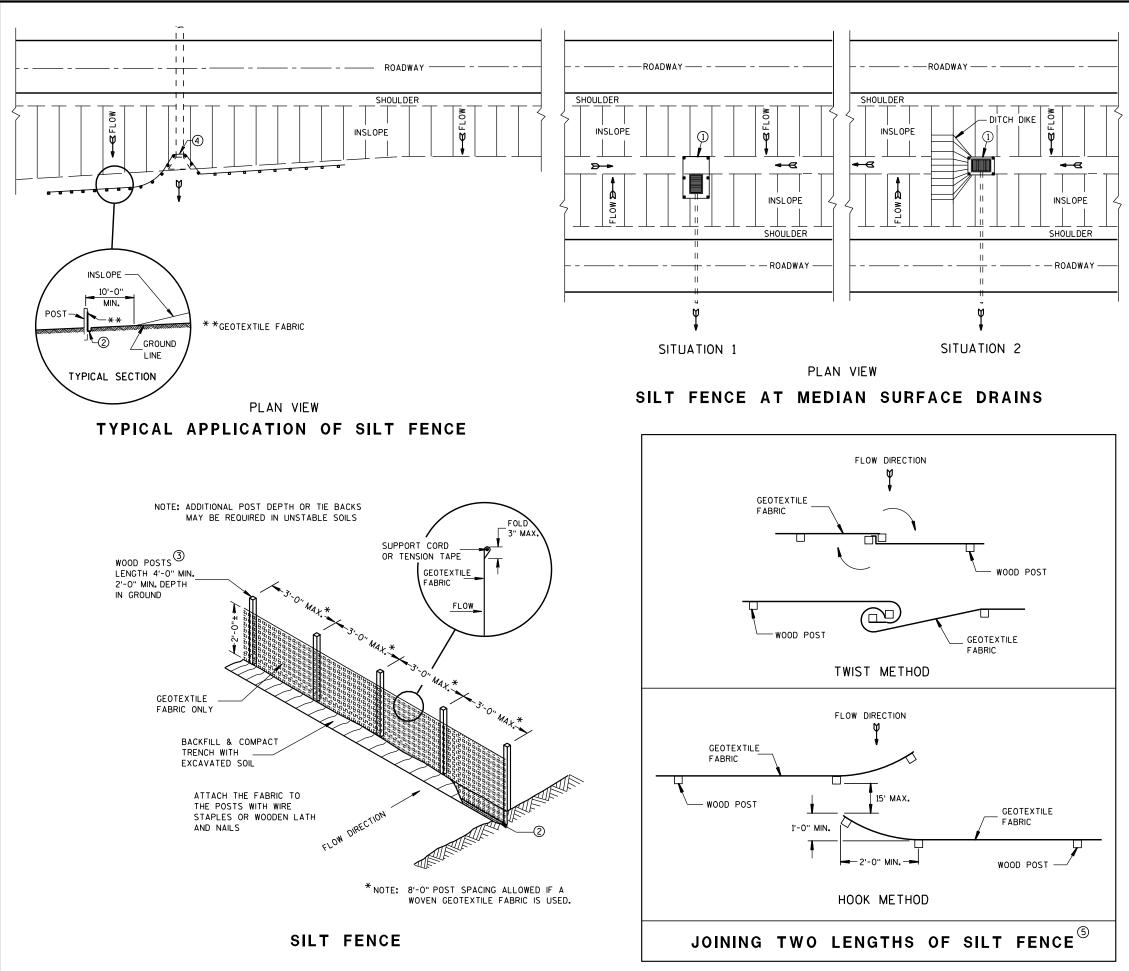


MIKE LAPEAN I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\050101-PP.DWG PLOT DATE : PLOT BY : FILE NAME : 7/20/2022 12:11 PM PLOT NAME LAYOUT NAME - 050101-pp

Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-08в	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNE
15C06-10	SIGNING & MARKING FOR TWO LANE BRIDGES
15С11-09в	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

NDIVIDED ROAD OPEN TO TRAFFIC



6

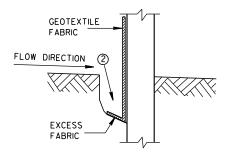
S.D.D. 8 E 9

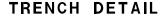
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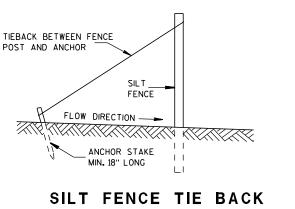
GENERAL NOTES

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

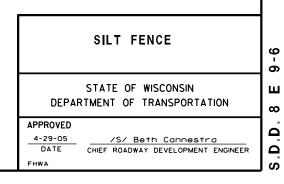
- \bigcirc horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- (3) WOOD POSTS SHALL BE A MINIMUM SIZE OF $1/_8$ " X $1/_8$ " 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.

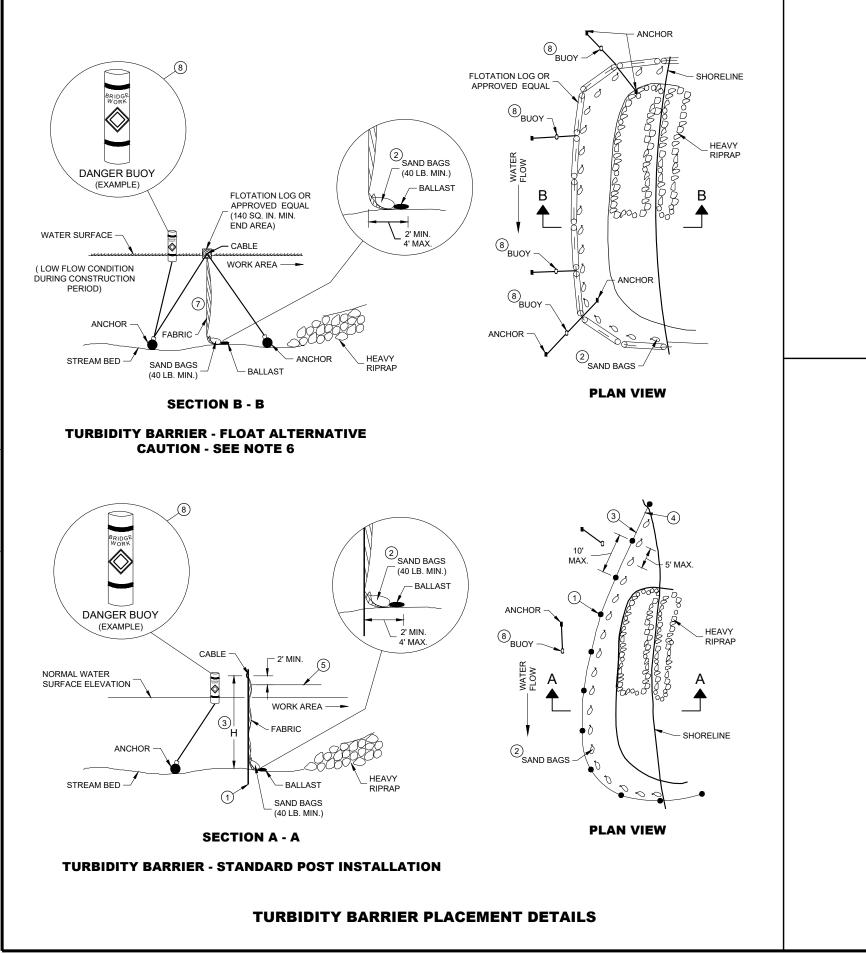




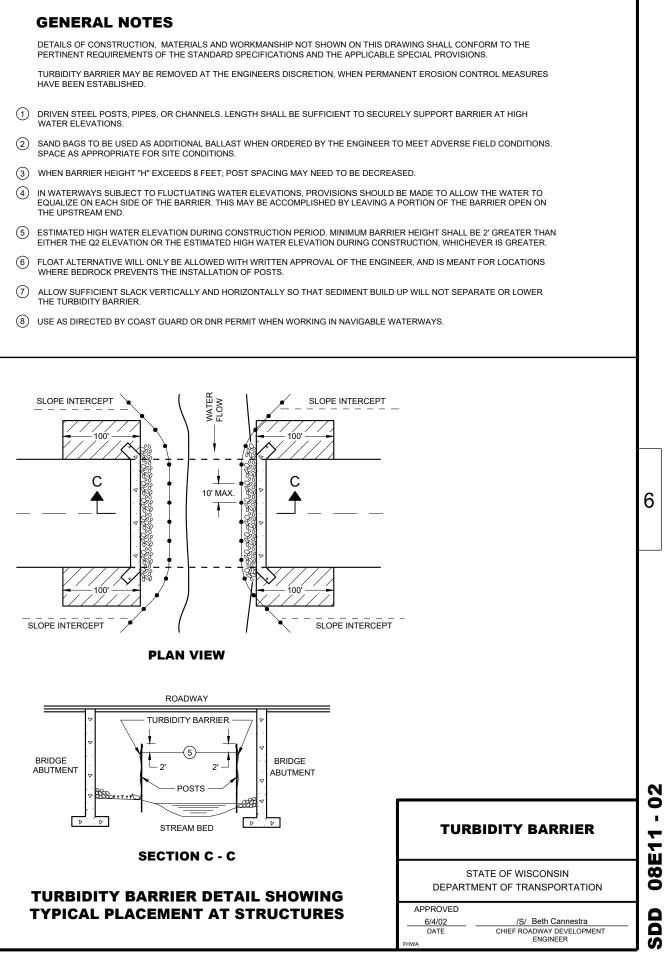


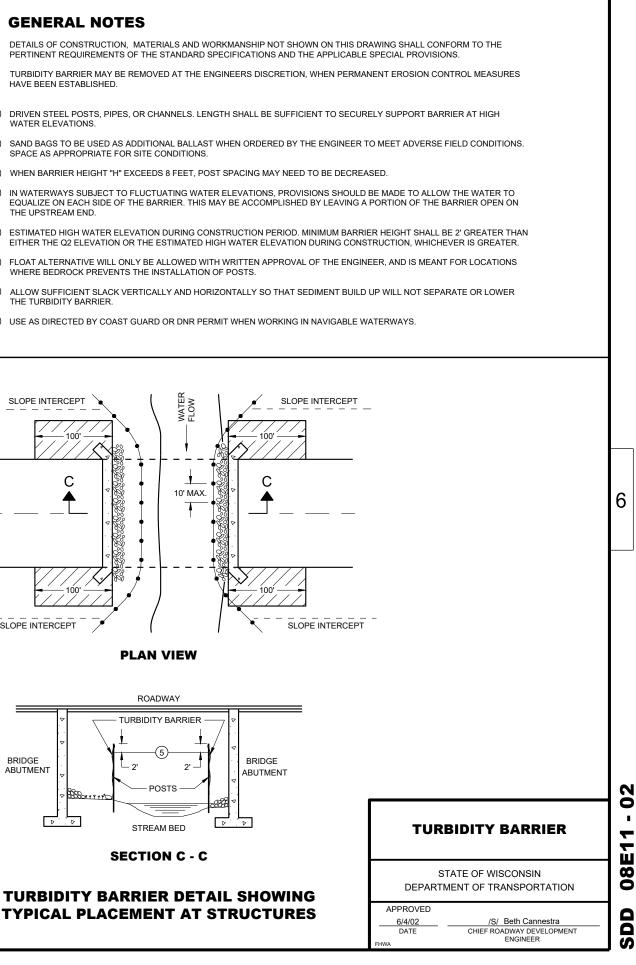
(WHEN REQUIRED BY THE ENGINEER)



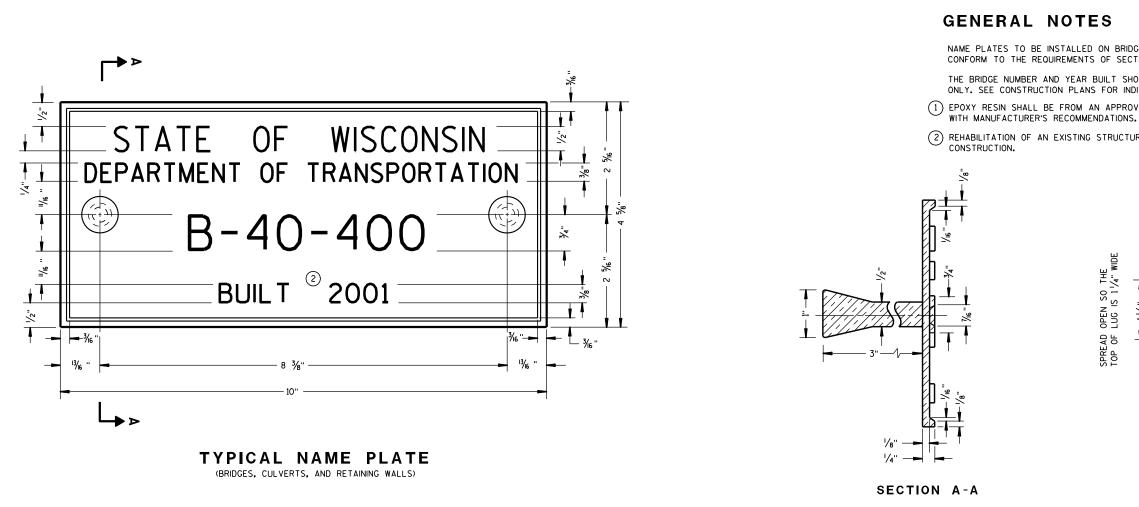


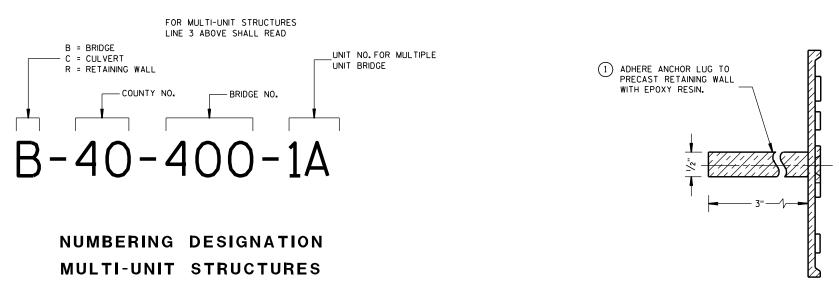
- WATER ELEVATIONS.





SDD 08E -. 02





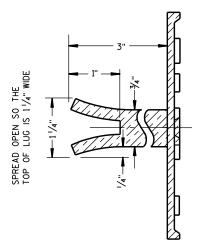
ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

6

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

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE



ALTERNATE LUG

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

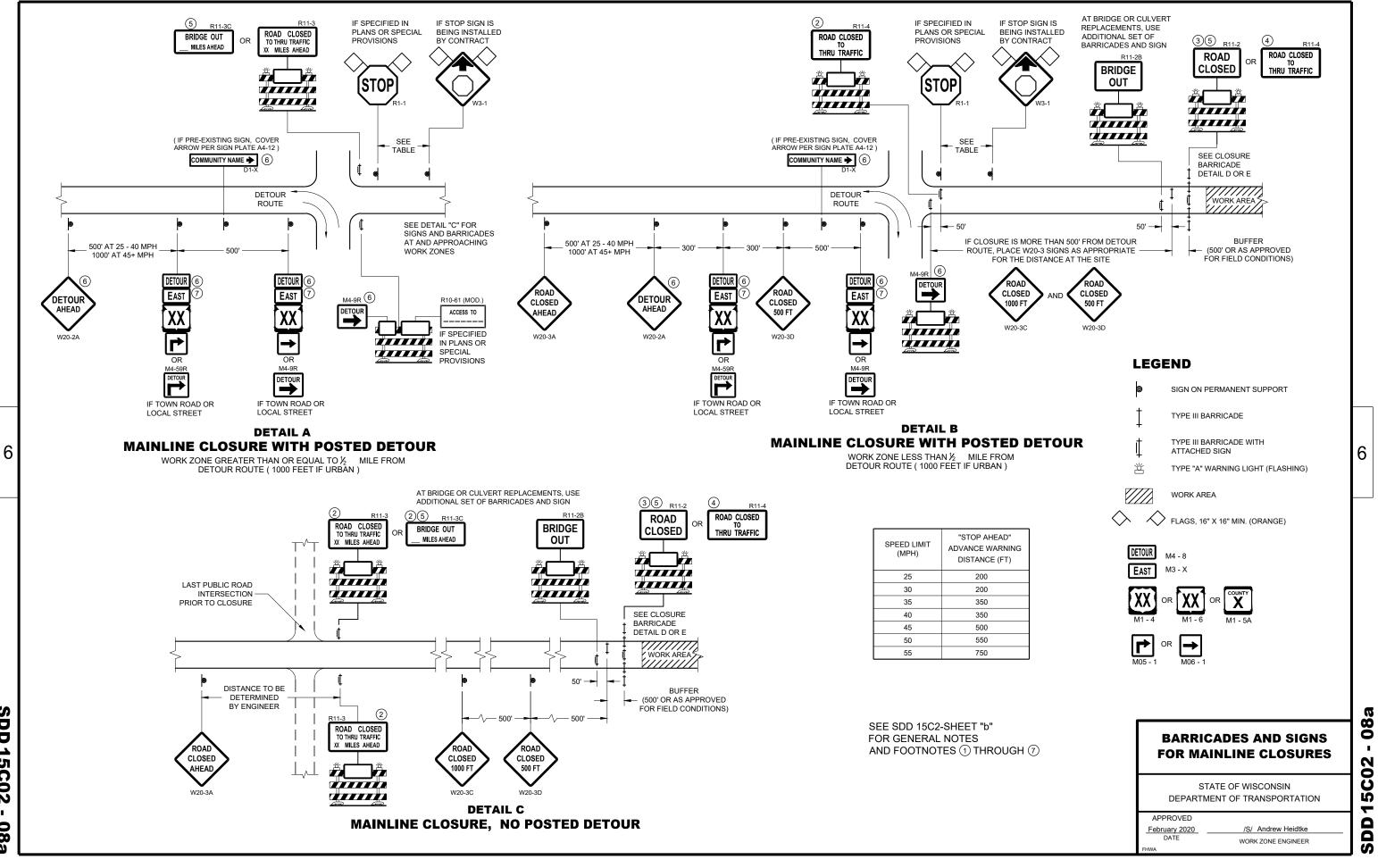
APPROVED

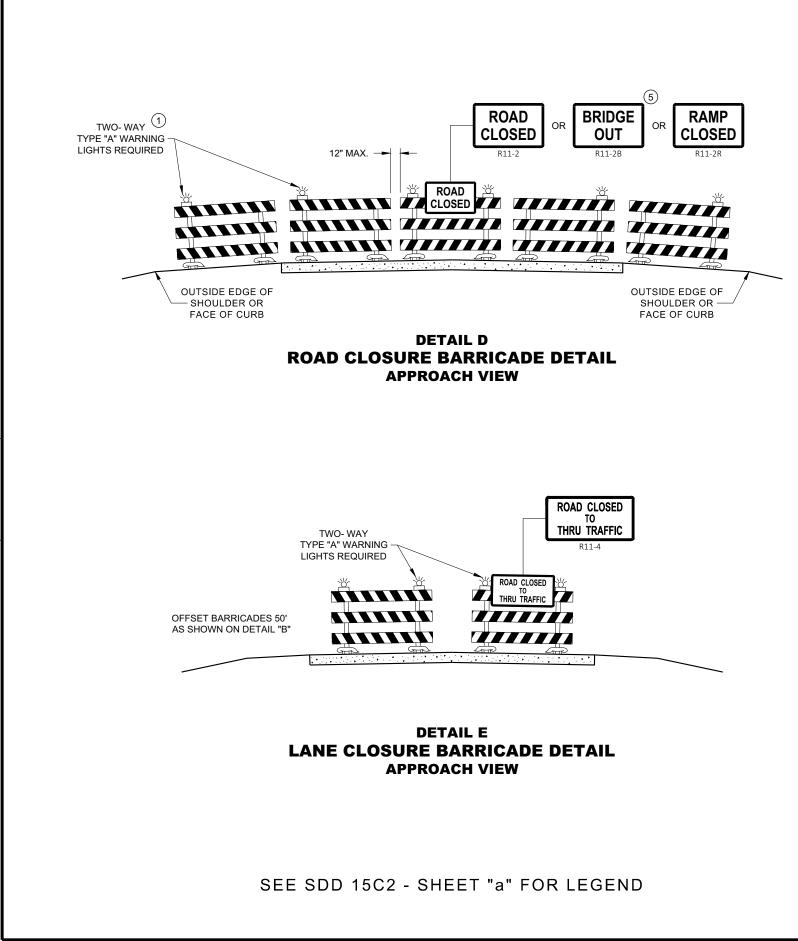
3/26/10 DATE FHWA

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2 Δ

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GENERAL NOTES

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

FULL ROAD CLOSURES.

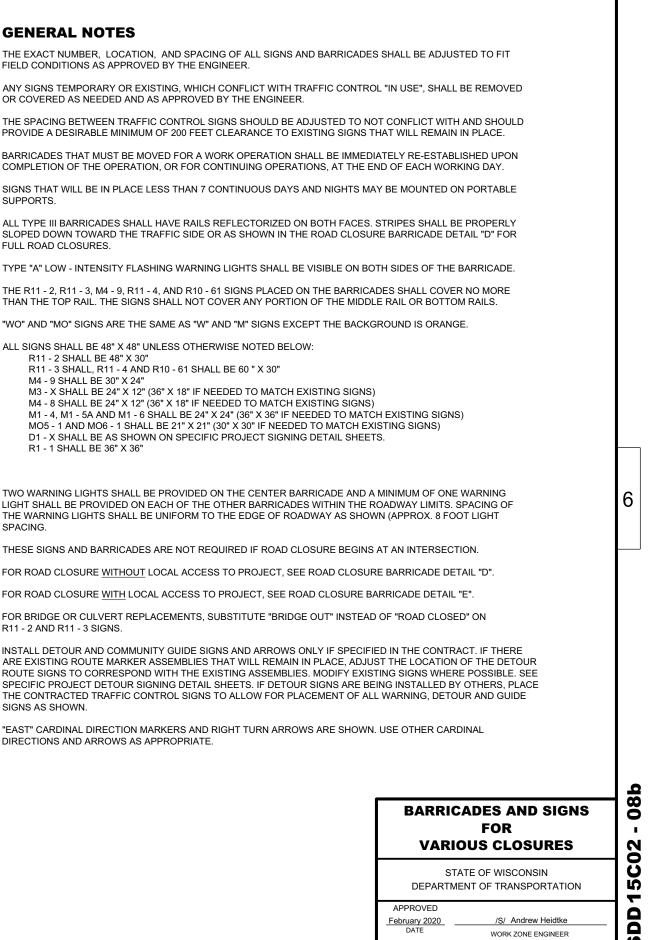
THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

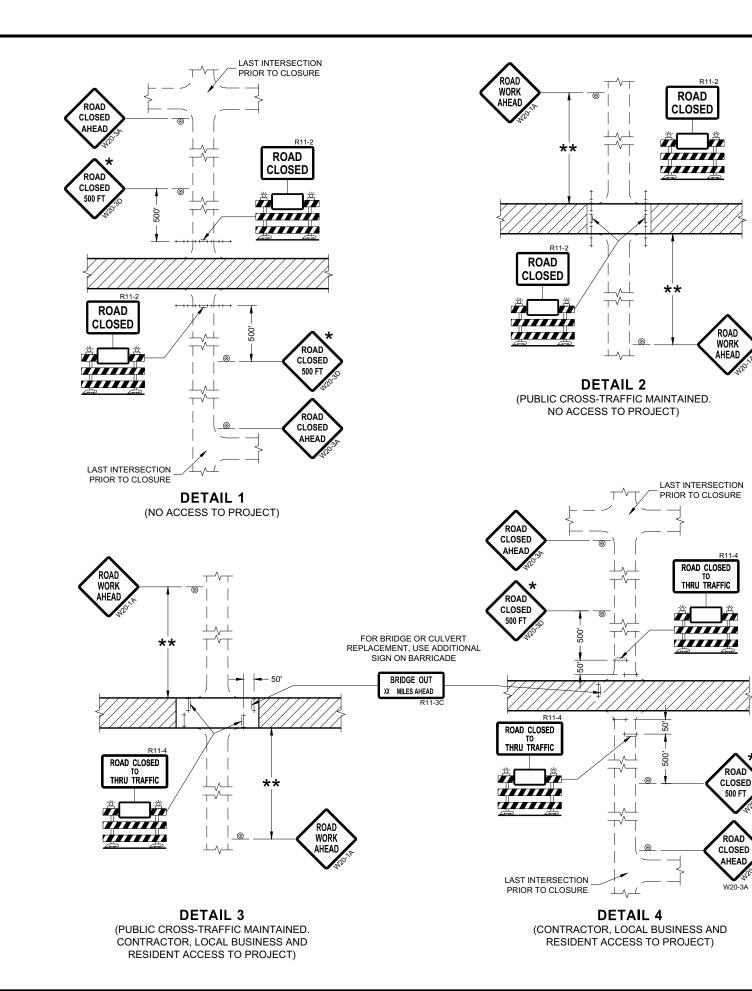
- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11 - 2 SHALL BE 48" X 30"
 - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " X 30" M4 - 9 SHALL BE 30" X 24"
 - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
 - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

 - 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 THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE SIGNS AS SHOWN.
- (7)"EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

6



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GENERAL NOTES

AS APPROVED BY THE ENGINEER.

NEEDED AND AS APPROVED BY THE ENGINEER.

SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

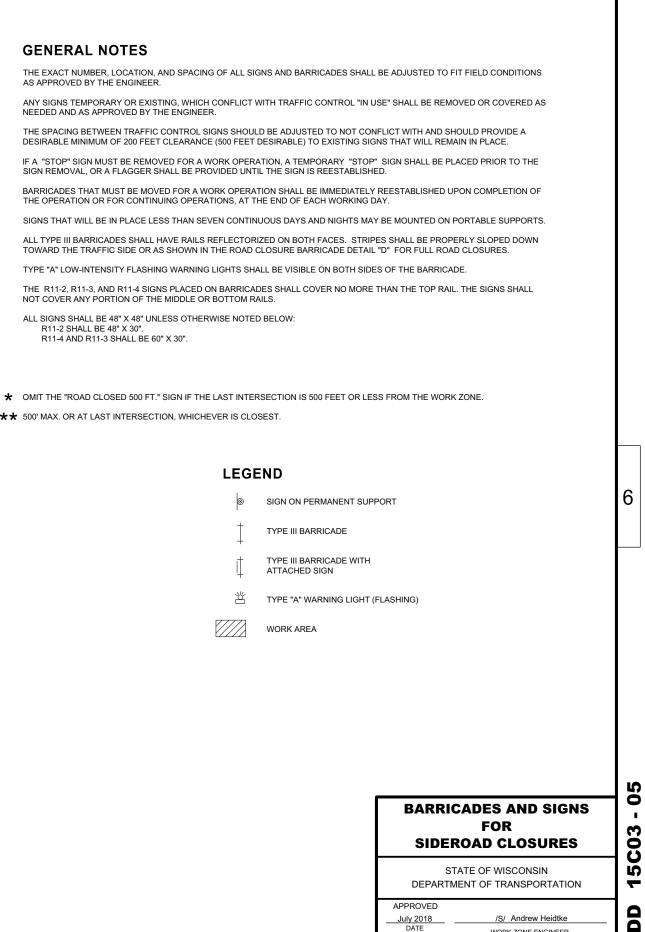
NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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".

★★ 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

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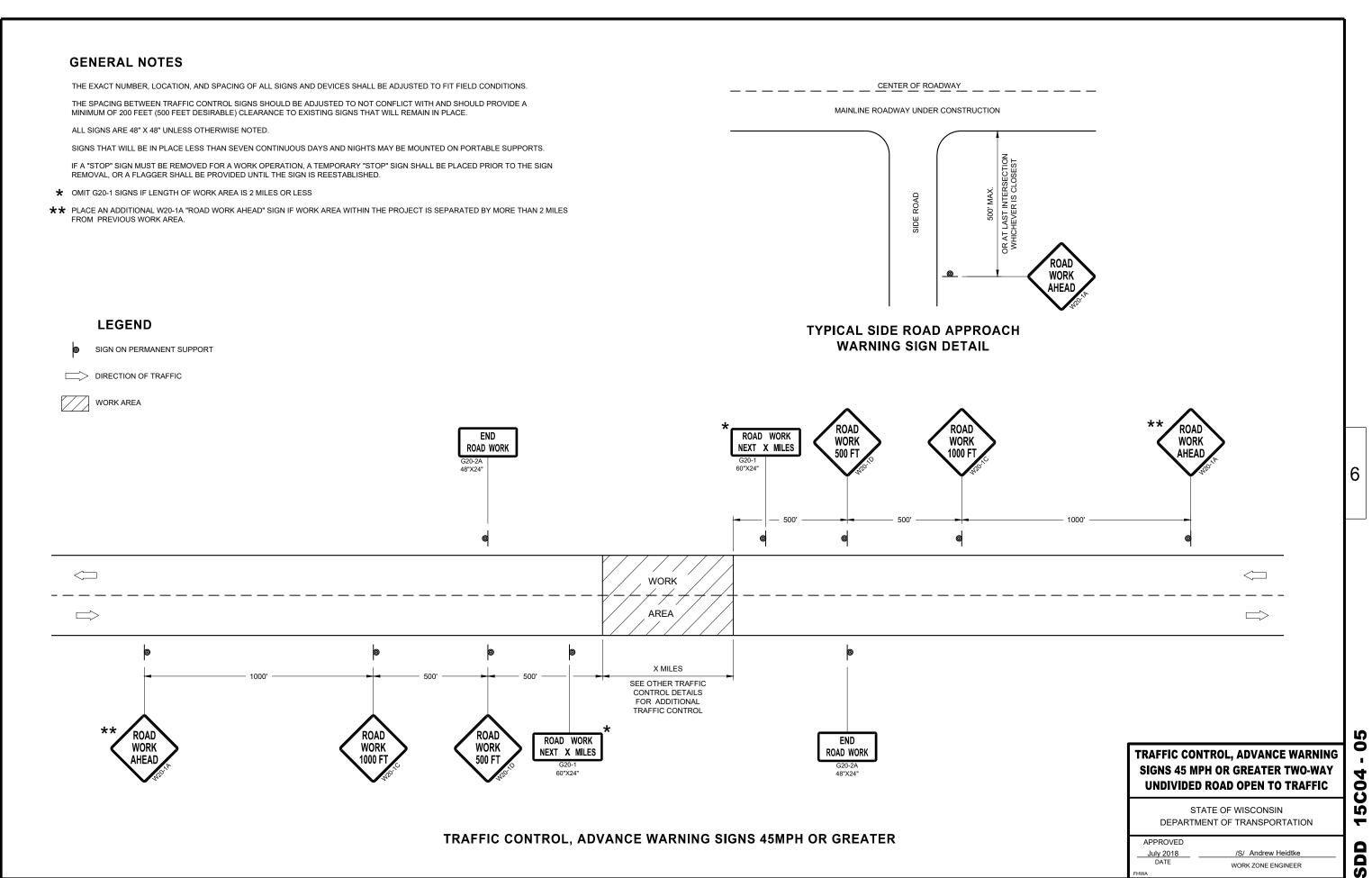




S

WORK ZONE ENGINEER

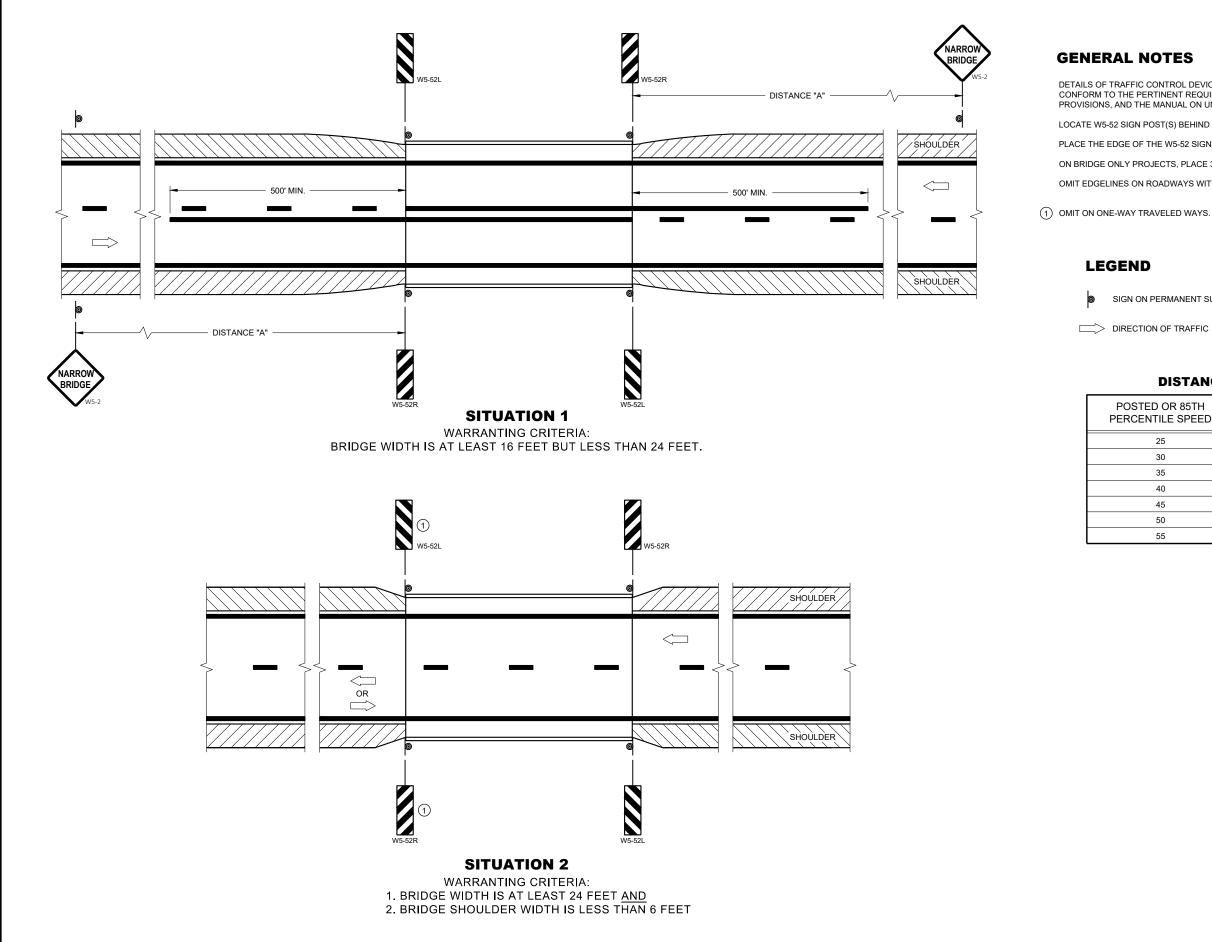
July 2018 DATE



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SDD

15C04



SDD 15006 -0

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DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

OSTED OR 85TH RCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

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SIGNING AND MARKING FOR TWO LANE BRIDGES

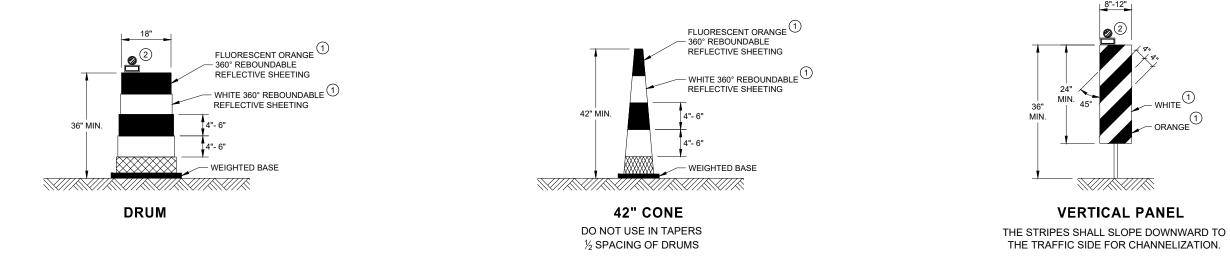
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

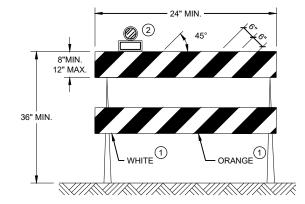
APPROVED May 2022 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER

GENERAL NOTES

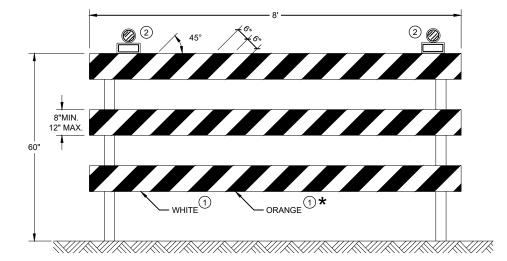
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





TYPE II BARRICADE

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



TYPE III BARRICADE

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

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

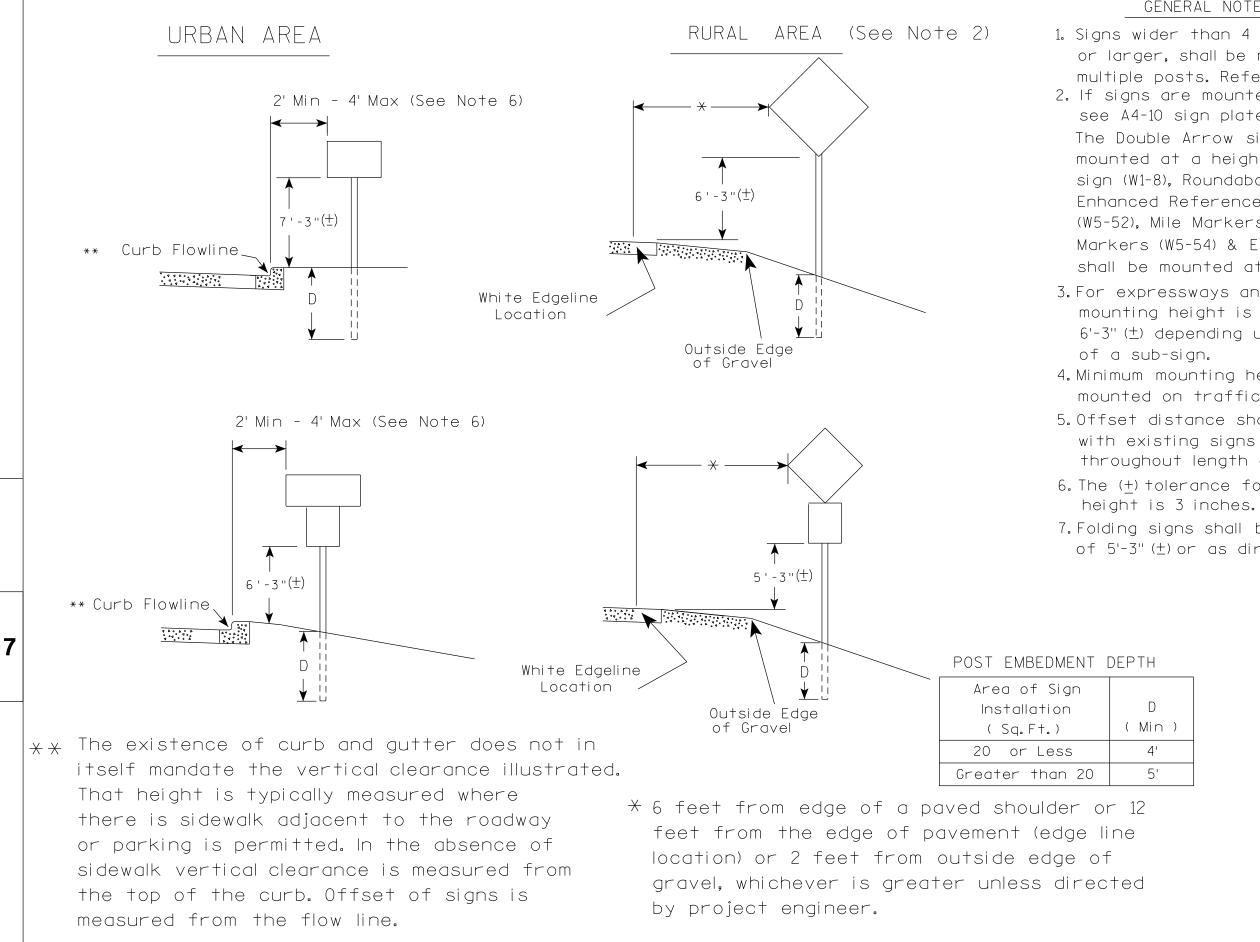
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CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

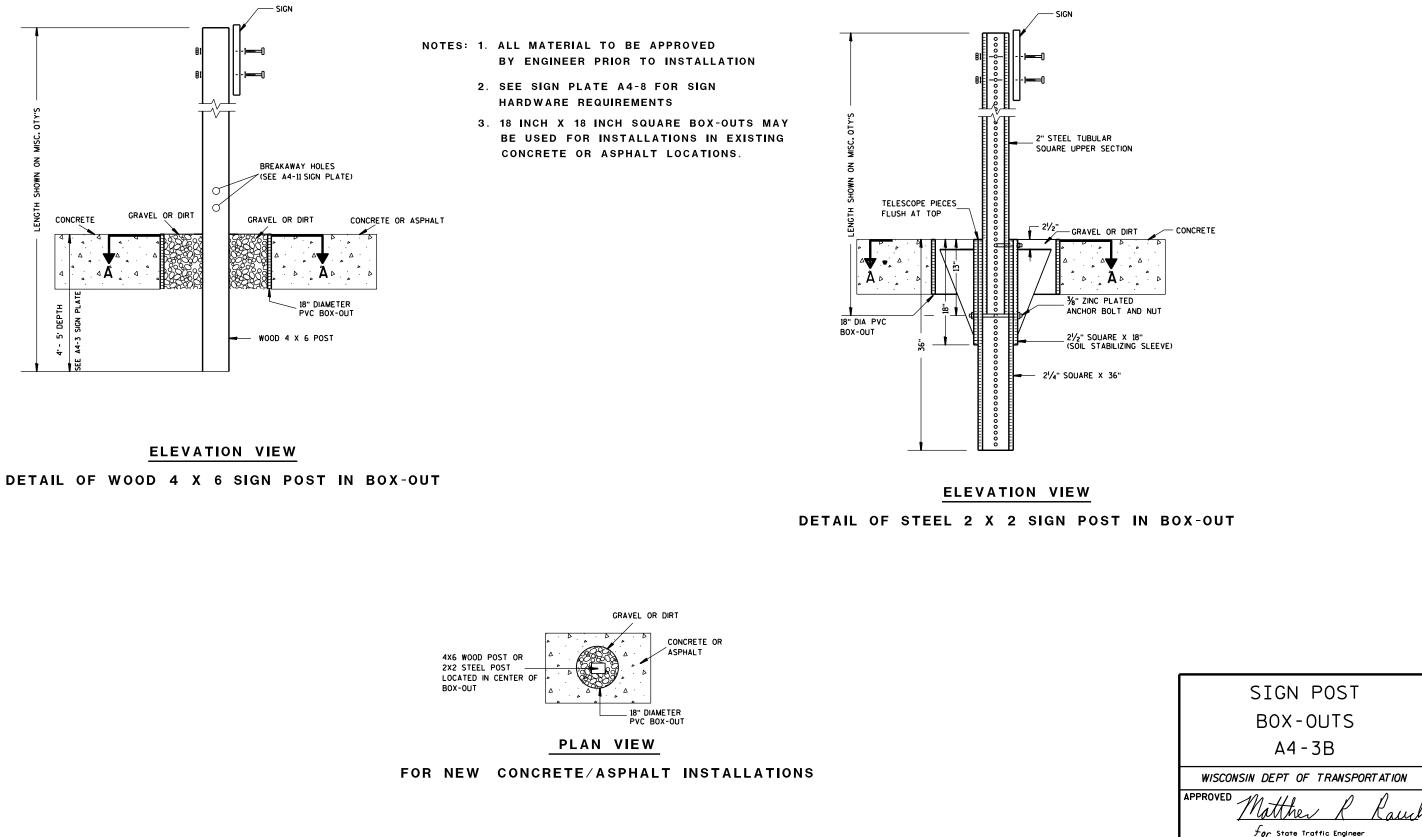


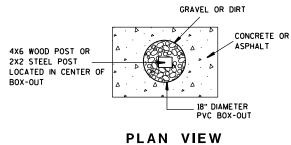
PROJECT NO:	HWY:	COUNTY:			
		DI AT DITE : 47 HUN 0000 4 4	DI OT DY IN IO	DLOT NAME -	

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4. 2. If signs are mounted on or behind barrier wall. see A4-10 sian plate. The Double Arrow sign (W12-1D) 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'' (+). 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or $6'-3''(\pm)$ depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directd by the Engineer.

)	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>44-3.22</u>
	SHEET NO: E
PLOT SCALE : \$\$plotscale\$\$ WISDOT/CADDS SHEET 42	





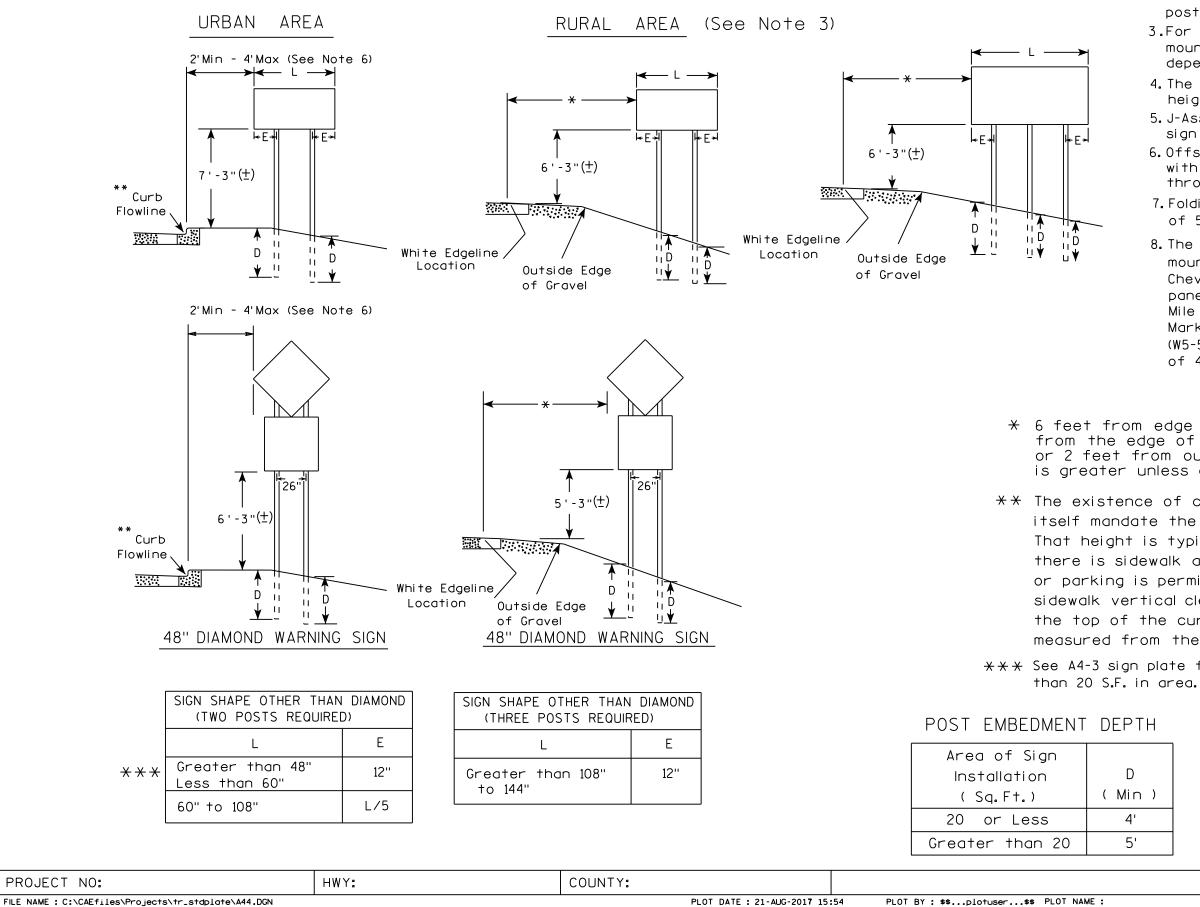
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

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

Ε



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

7

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3.For expressways and freeways, mounting height is $7'-3''(\pm)$ or $6'-3''(\pm)$ depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (\pm) 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" (±).

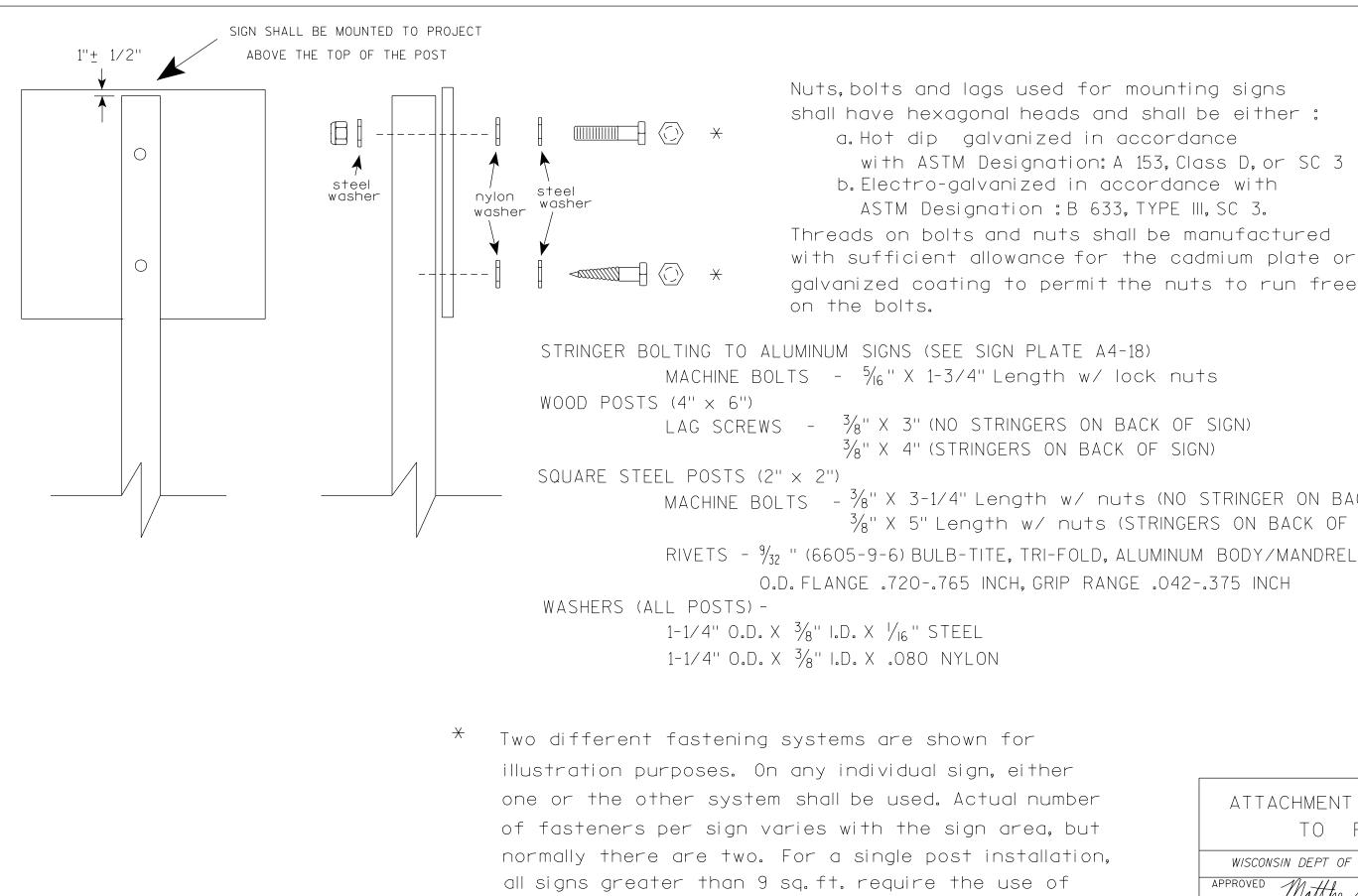
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** 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.

 \times \times See A4-3 sign plate for signs 4' or less in width and less

H	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS
)	WISCONSIN DEPT OF TRANSPORTATION
,	APPROVED Matther & Rauch
	For State Traffic Engineer
	DATE 8/21/17 PLATE NO. 44-4.15
	SHEET NO: E
DI AT. CA	L 5 - 100 100007-1 00000

PLOT SCALE : 108.188297:1.000000



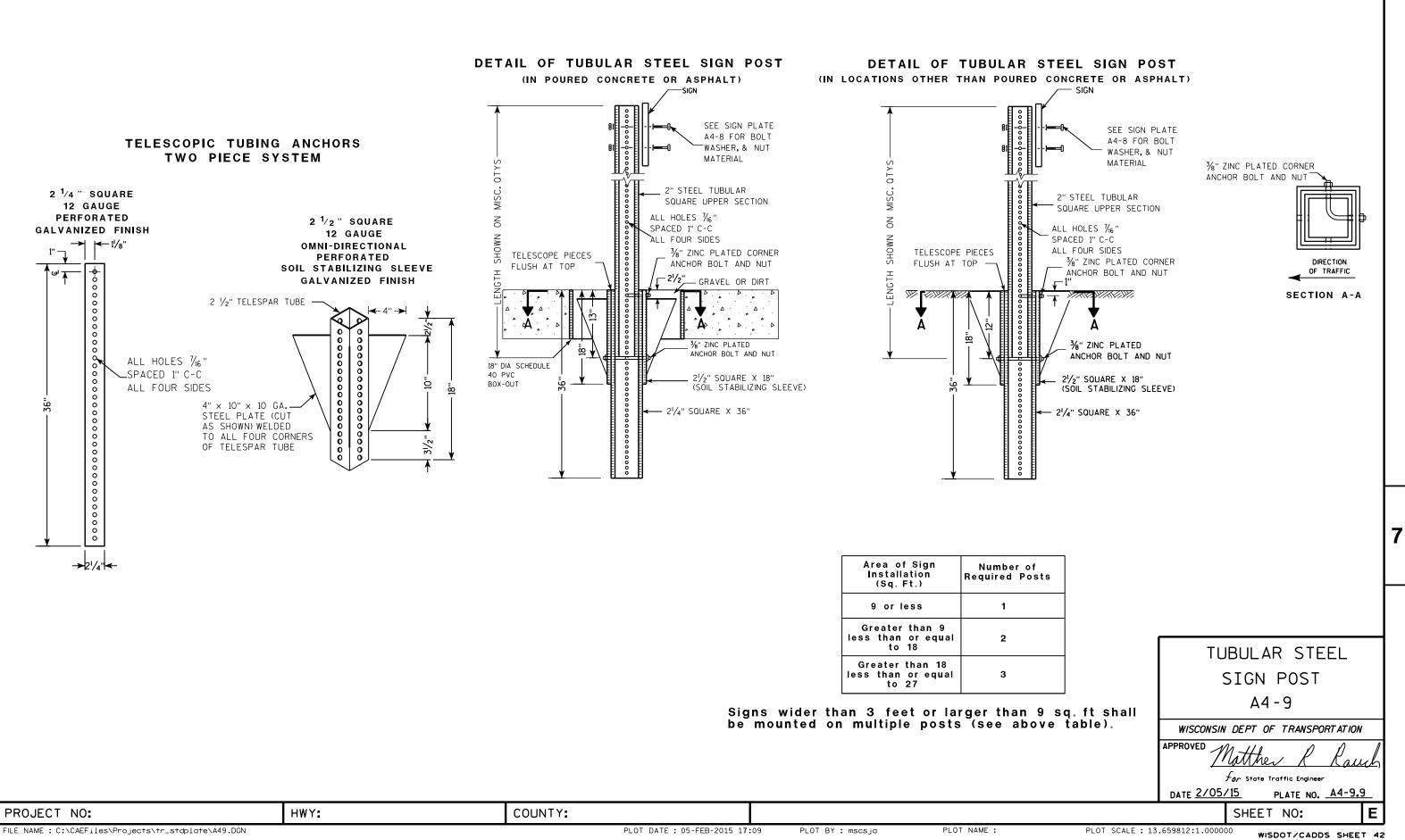
3 fasteners.

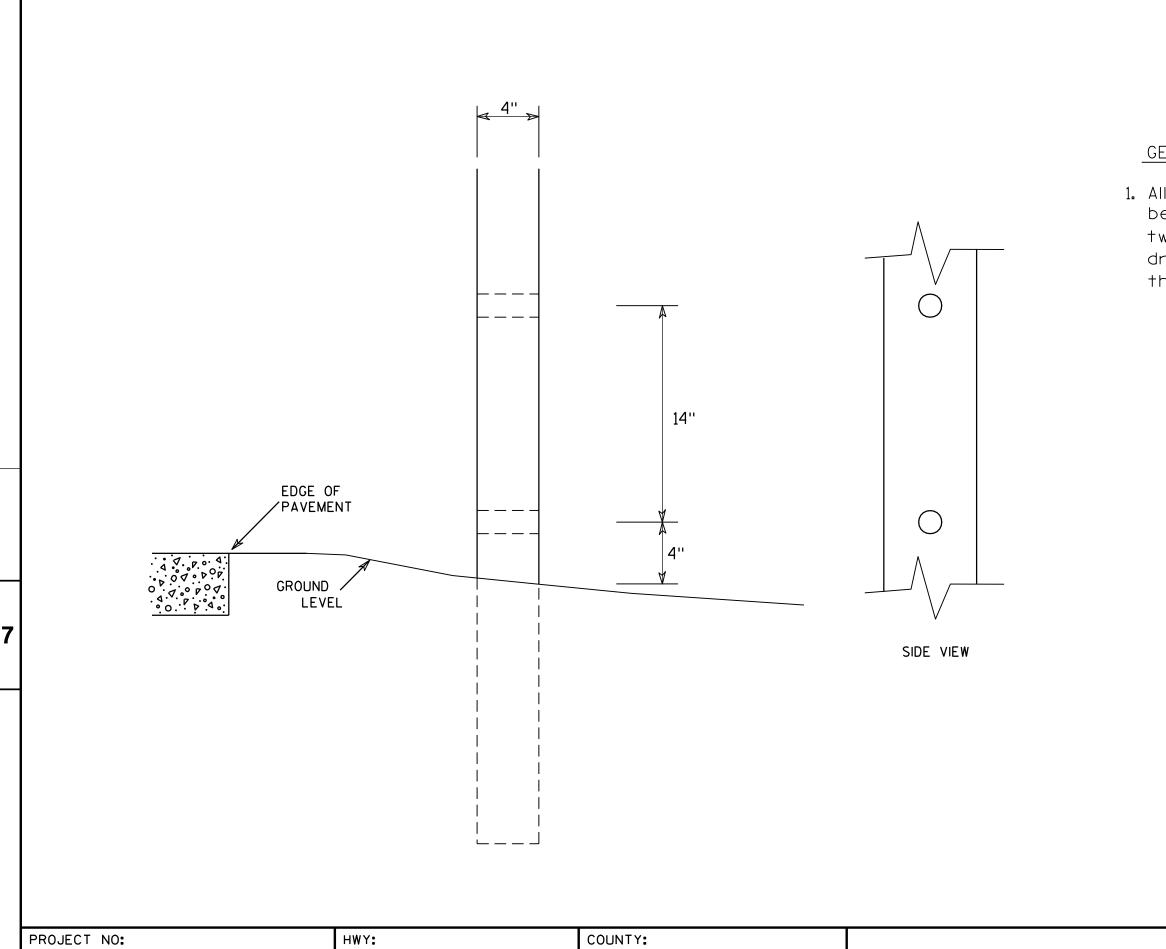
Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely

 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)

MACHINE BOLTS - ³/₈" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
∽°r State Traffic Engineer
DATE <u>4/1/202</u> 0 PLATE NO. <u>A4-8.9</u>
SHEET NO: E



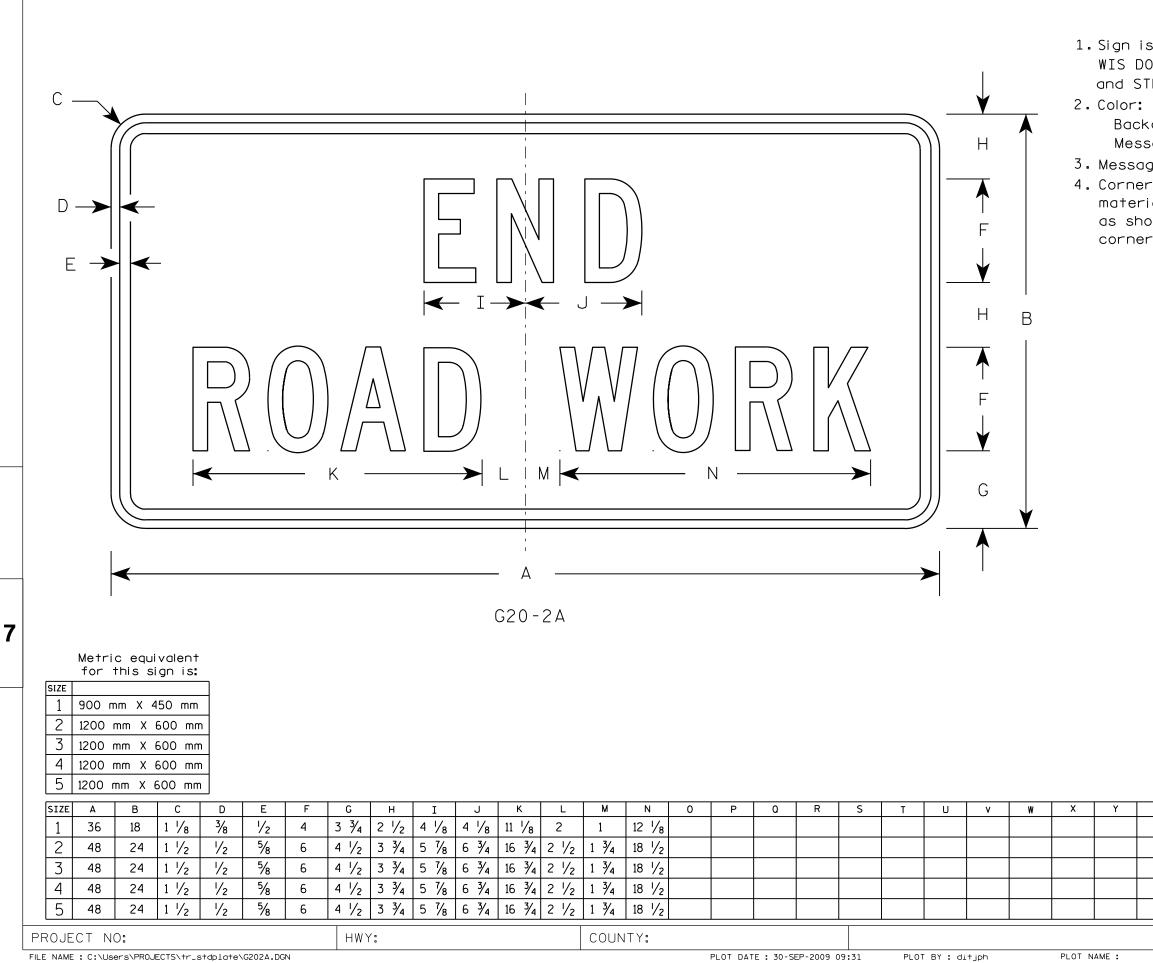


FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

	4	Хe	ô	WOO	DF	POST	
		MOD	IF	FICA	TI	SNC	
	WISC	onsin l	DEF	PT OF T	RANSI	PORTATION	'
	APPROVE	D		hester .	Γέ	Spang	
			tor	State Tr	affic Er	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2
			9	SHEET	N0:		Ε
OT SCALE	E:6.20 7 33	8:1.0000	000	WISD	от/с	ADDS SHEE	т 42



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

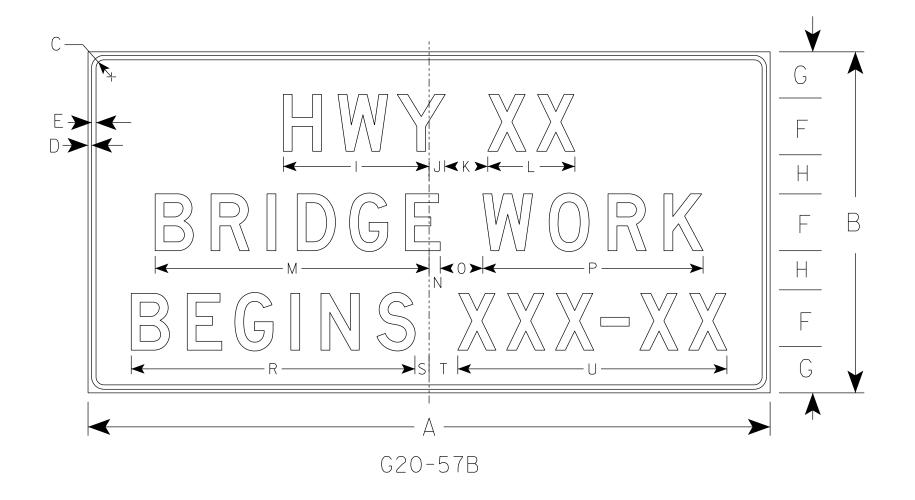
Background - Orange Message - Black 3. Message Series - C 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Z	Areo sq. ft.	Areo		S	FANDA	RD SI(GN	
-	4 . 5	0.41			G2(0-2A		
	8.0	0.72		WISCON	SIN DEPT O	F TRANSPO	RTATION	
	8.0	0.72		APPROVED	M.#	er R	0 1	
	8.0	0.72			· · ·	te Traffic Engin		—
	8.0	0.72		DATE <u>9/3</u>		PLATE NO.		<u>.8</u>
					SHEET	NO:		Ε
	F	PLOT SCA	LE : 5.5617	73:1.000000) WISE	OT/CADDS	SHEET	42

NOTES Background – Orange Message – Black

1.Sign is Type II - Type F Reflective 2. Color: 3. Message Series - D 4. Substitute appropriate numeral and adjust

spacing to achieve proper balance.



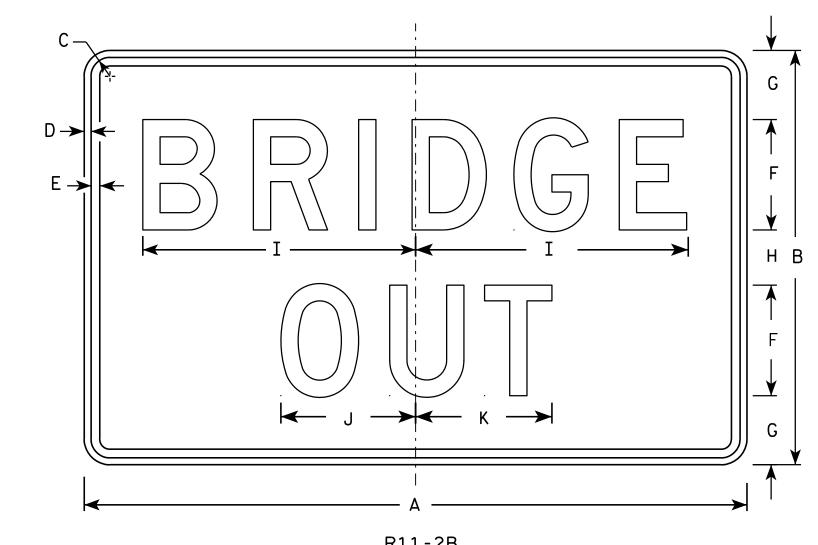
SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Ar sq.
1																											
2																											
3	72	36	1 1/8	1/2	5⁄8	6	5	4	15	1 5/8	5	9 1/4	29 1/8	7⁄8	5	23 1/4		29 7/8	1 3⁄4	3 1/4	28 / ₂						18
4	96	48	2 1/4	3⁄4	1	8	6 ¹ / ₂	5 ½	20 5/8	2 1/4	6	12 1/4	38 ^I / ₂	1 1/2	6	31		39 1/4	2	4	37 7/8						32
5																											
PRC	ROJECT NO:								HWY:						COUNTY:												
EILE N			files\Pr		tr stdp	late G2	2057B dan	•						•				TE • 22-1	AN-2019 1	• 31	PL OT	BY . msc	- i9h		PLOT NAM	AF :	

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_G2057B.dgn

7

PLOT DATE : 22-JAN-2019 1:31 PLOT BY : mscj9h PLOT NAME :

	STANDARD SIGN
Areg sq.ft.	G20-57B
	WISCONSIN DEPT OF TRANSPORTATION
8.0	APPROVED Matthew & Rauch
32.0	for State Traffic Engineer
	DATE <u>1/22/19</u> PLATE NO. <u>G20-57B.</u> 1
	SHEET NO: E
PLOT SCALE	: \$\$plotscale\$\$ WISDOT/CADDS SHEET 42



- 2. Color:
 - Background White Message - Black
- 3. Message Series D



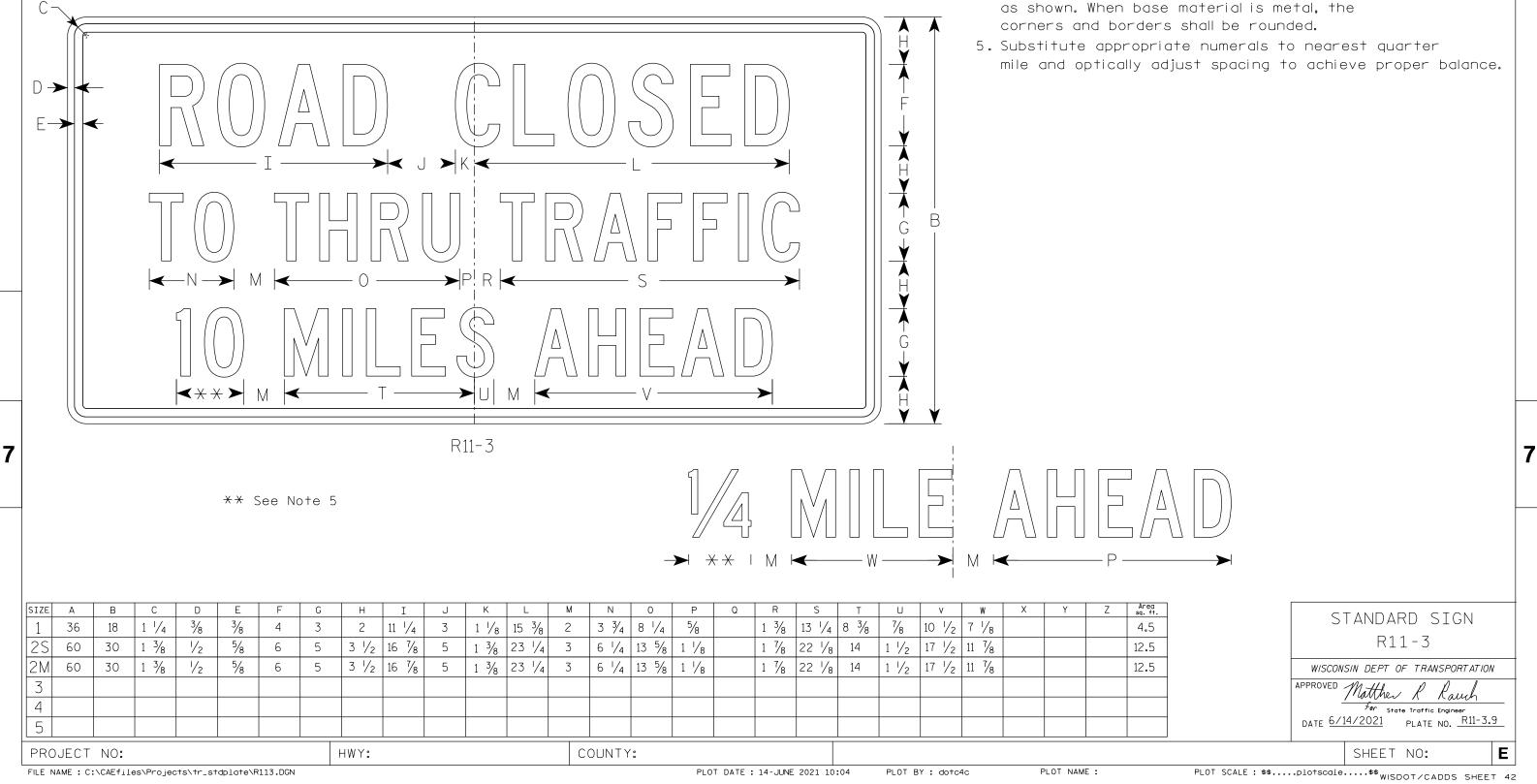
SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	M	N	0	Р	0	R	S	T	U	v	W	X	Y	Z	Τ
1																											T
2 S	48	30	1 3/8	1/2	5%8	8	5	4	19 3⁄4	9 3⁄4	9 7/8																T
2M	48	30	1 3/8	1/2	5%8	8	5	4	19 3⁄4	9 3/4	9 7/8																T
3	48	30	1 3/8	1/2	5⁄8	8	5	4	19 3⁄4	9 3⁄4	9 7/8																T
4	48	30	1 3/8	1/2	5%8	8	5	4	19 3⁄4	9 3⁄4	9 7/8																T
5	48	30	1 3/8	1/2	5⁄8	8	5	4	19 3⁄4	9 3⁄4	9 7/8																Ī
PRO	PROJECT NO:																				_						
			PROJECTS	.tr_stdpl	ate\R112	B.DGN										PL0	T DATE :	01-APR-2	2011 14:2	23	PLOT B	í: mscj§	9h				-

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

Areo	
Areo sq. ft.	STANDARD SIGN
10.0	R11-2B
10.0	WISCONSIN DEPT OF TRANSPORTATION
10.0	APPROVED Matthew & Rauch
10.0	
10.0	DATE 4/1/11 PLATE NO. R11-2B.2
	SHEET NO: E

WISDOT/CADDS SHEET 42

- 2. Color:
 - Background White Message - Black
- 3. Message Series C



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113.DGN

PLOT DATE : 14-JUNE 2021 10:04 PLOT BY : dotc4c PLOT NAME :

```
1. Sign is Type II - Type H Reflective
4. Corners may be square or rounded when base
   material is plywood but borders shall be rounded
```

- 2. Color:

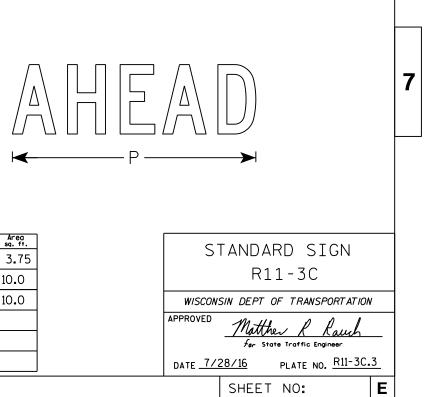
Background - White Message – Black

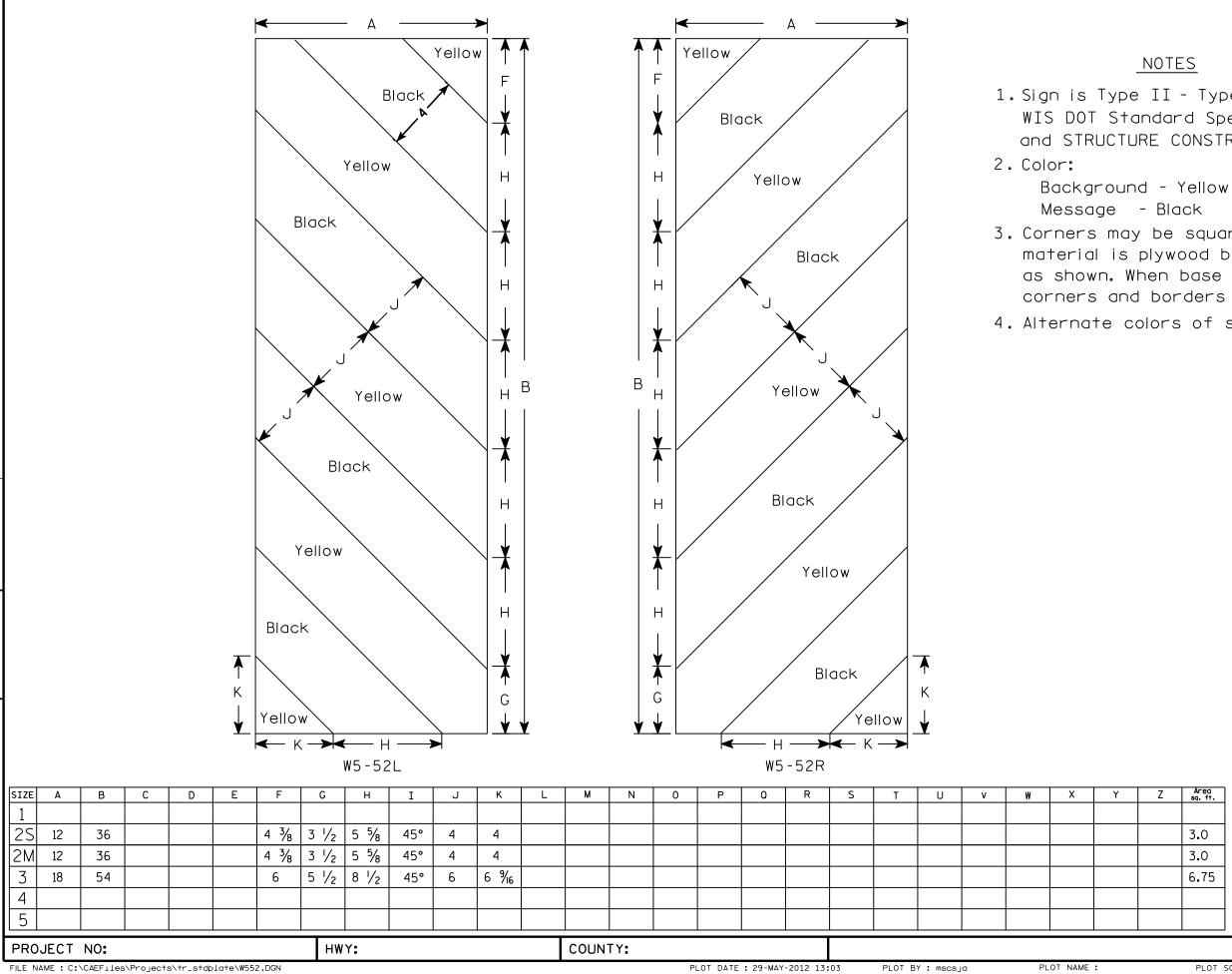
- 3. Message Series C
- Н V D ->> E→ F K ->< P (-G 0 - ** NL -R11-3C ** See Note 5 → ** | 0 ► — R 0 \rightarrow

SIZE	Α	В	С	D	E	F	G	Н	I	J	ĸ	L	M N	0	P	۵	R	S	Т	U	v	W	X	Y	Z	Are sq. 1
1	36	15	1 3/8	1/2	5⁄8	4	3	2 1/2	13 1/4	2 1/4	3	8	8 1 1/2	2	10 3⁄4		7 1/8									3.
25	60	24	1 3/8	1/2	5⁄8	6	5	4	20 1/8	3	5	12	13 1/4 1 3/4	3	17 3/8		11 7⁄8									10.0
2M	60	24	1 3/8	1/2	5⁄8	6	5	4	20 1/8	3	5	12	13 1/4 1 3/4	3	17 3/8		11 7/8									10.0
3	3																									
4																										
5	5																									
PROJECT NO:																										
FILE 1	NAME : C	:\CAEfil	.es\Proje	cts\tr_s	tdplate\	R113C.DGM	N								PLO	T DATE	: 15-MAR-	2017 15:	33	PLOT E	BY : \$\$.plotuse	r\$\$			

.

```
1. Sign is Type II - Type H Reflective
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.
```





FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W552.DGN

7

PLOT NAME :

NOTES

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

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. Alternate colors of stripes as shown.

Z	Area sq. ft.	STANDARD SIGN
		W5-52L & W5-52R
	3.0	
	3.0	WISCONSIN DEPT OF TRANSPORTATION
	6.75	APPROVED Matthew R Rauch
		for State Traffic Engineer
		DATE 5/29/12 PLATE NO. W5-52.9
		SHEET NO: E
	PLOT	SCALE : 4.961899:1.000000 WISDOT/CADDS SHEET 42

PLOT DATE : 29-MAY-2012 13:03

				1. s 2. 3.
		ROAD	F U V S W20-1H	4.
			G G G G G G G G	
			↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
•		W20-1A	15100 R W20-1B	
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 8 3 $\frac{3}{4}$ 5 $\frac{1}{8}$ 15 $\frac{3}{8}$ 11 $\frac{1}{8}$ 12 $\frac{1}{8}$ 14 1 8 3 $\frac{3}{4}$ 5 $\frac{1}{8}$ 15 $\frac{3}{8}$ 11 $\frac{1}{8}$ 12 $\frac{1}{8}$ 14 1 8 3 $\frac{3}{4}$ 5 $\frac{1}{8}$ 15 $\frac{3}{8}$ 11 $\frac{1}{8}$ 12 $\frac{1}{8}$ 14 1 8 3 $\frac{3}{4}$ 5 $\frac{1}{8}$ 15 $\frac{3}{8}$ 11 $\frac{1}{8}$ 12 $\frac{1}{8}$ 14	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5% 13 3/4 2 1/8 11 7/8 2 3/4 16 3/8 5/8 13 3/4 2 1/8 11 7/8 2 3/4 16 3/8

3 3/4 5 1/8 15 3/8 11 1/8 12 1/8 14 3/8 1 5/8

PROJECT NO:

5

48

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN

2 1/4

3⁄4

8

1

PLOT DATE : 25-MARCH-2020

13 7/8 4 3/8

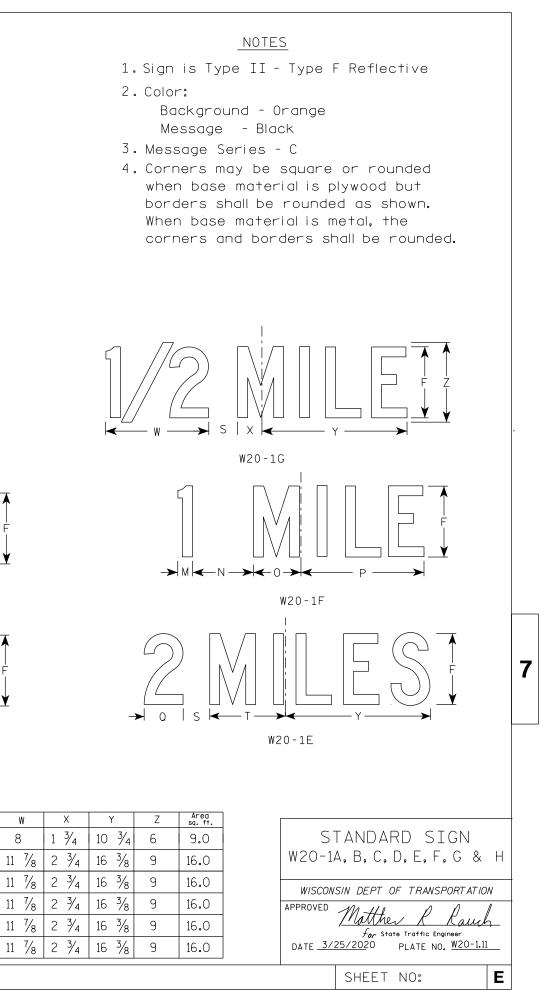
3 7/8

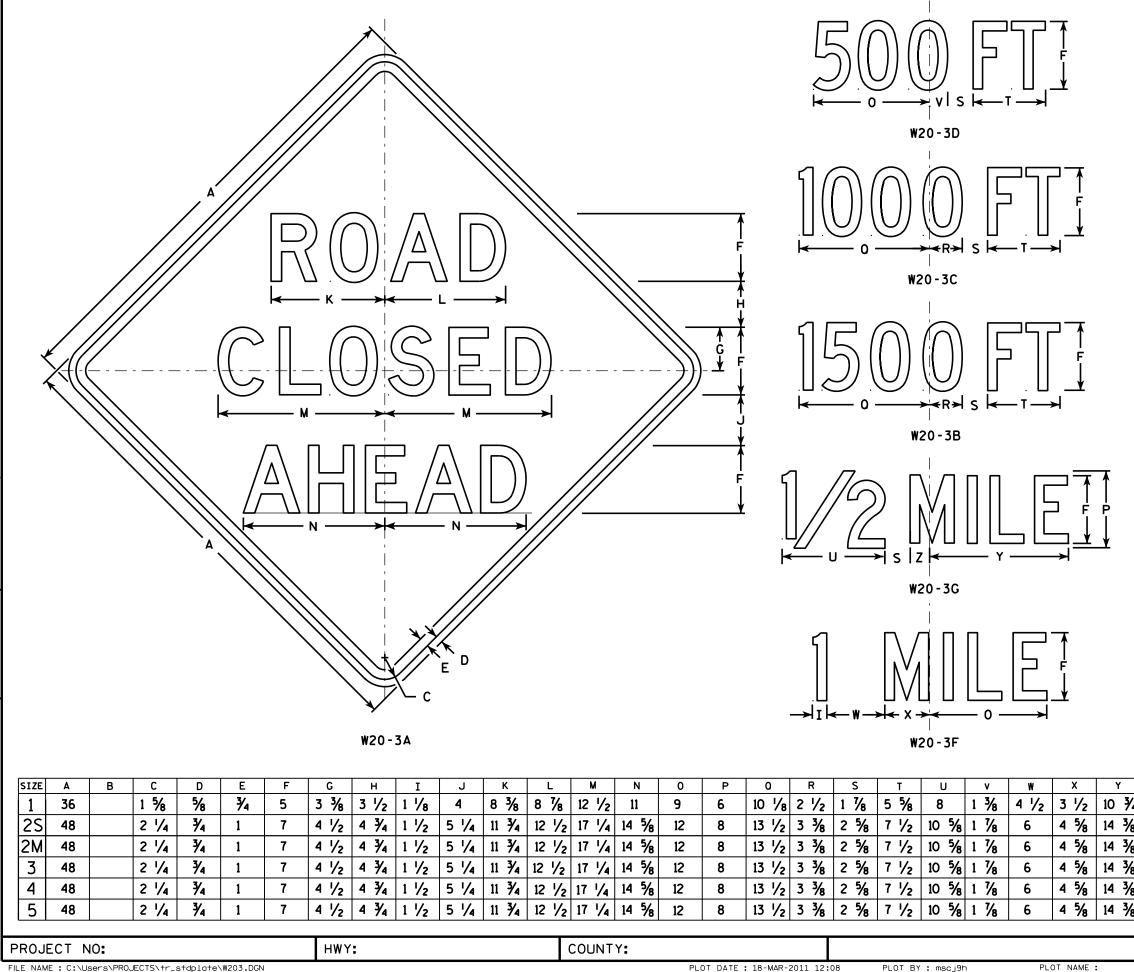
3

6 7/8 5 3/8

PLOT BY : dotc4c

8 5/8 13 3/4 2 1/8





FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN

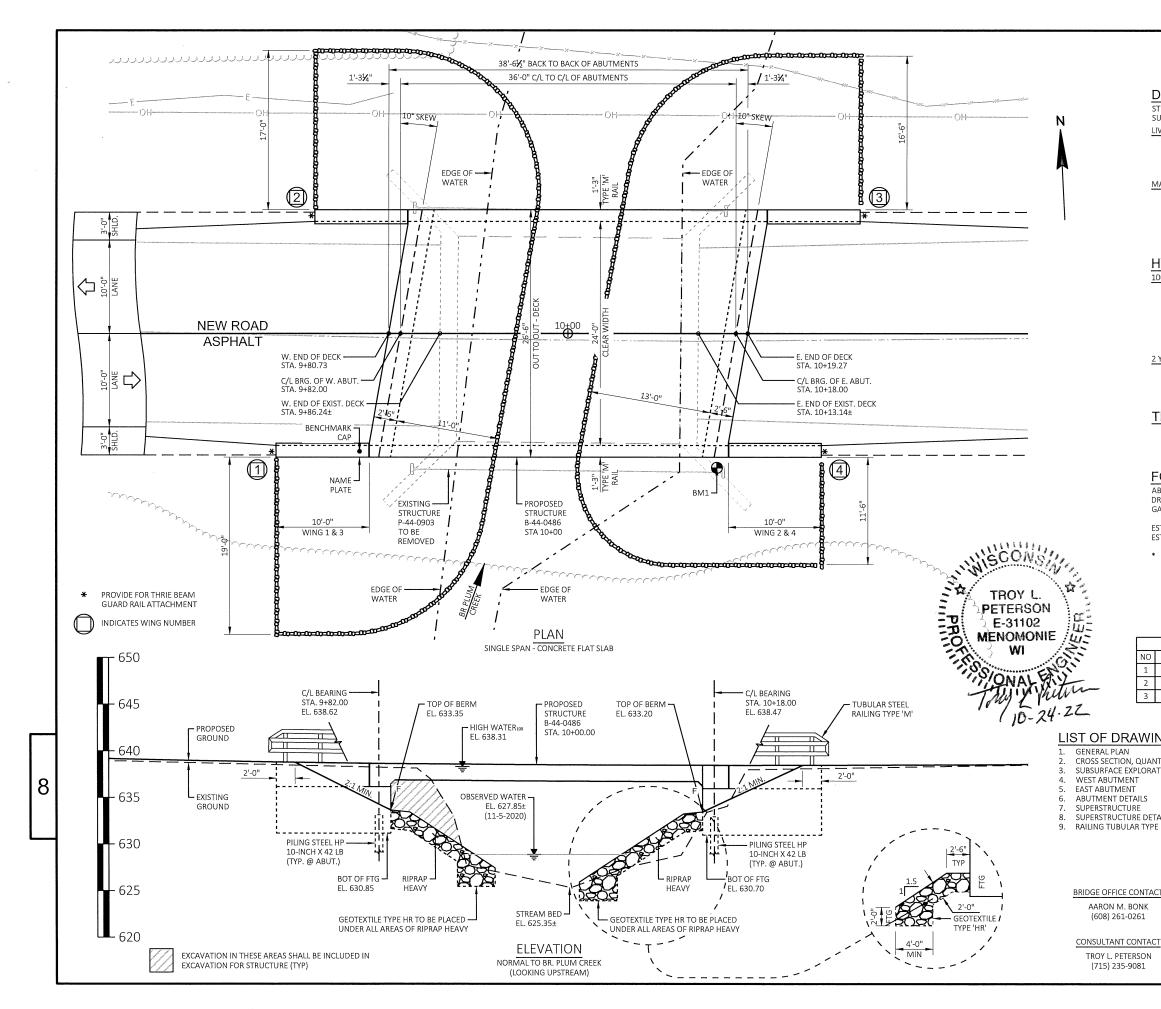
7

PLOT DATE : 18-MAR-2011 12:08

NOTES

- 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.

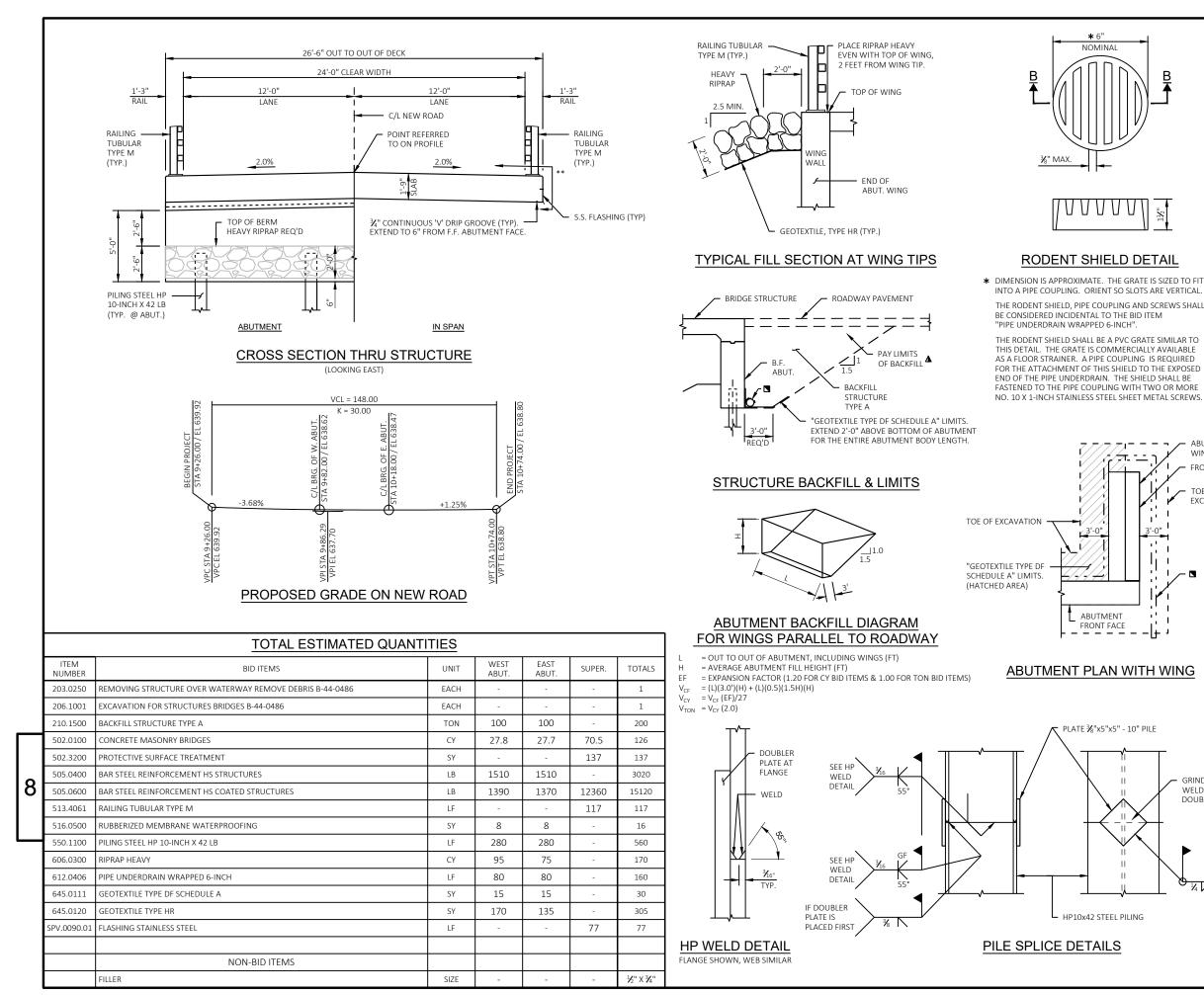
	Z	Area sq. ft.]						
4	1 3⁄4	9.0		<u>ر</u>	TANDARD SIGN				
3	2 3/8	16.0							
,	2 3/8	16.0		W20-	-3A, B, C, D, F & G				
,	2 3/8	16.0			ISIN DEPT OF TRANSPORTATION				
3	2 3/8	16.0		APPROVED	Matther R Rauch				
3	2 3/8	16.0]	For State Traffic Engineer DATE <u>3/18/11</u> PLATE NO. <u>W2O-3.7</u>					
				SHEET NO: E					
		PLOT S	SCALE : 9.93173	WISDOT/CADDS SHEET 42					

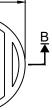


	STATE PROJECT N	JMBER		
	4656-08-7	1		
DESIGN DATA STRUCTURE IS DESIGNED SURFACE OF 20 POUNDS I				
LIVE LOAD: DESIGN LOADING — INVENTORY RATING OPERATING RATING WISCONSIN STAND	S FACTOR			
MATERIAL PROPERTIES: CONCRETE MASON SLAB ALL OTHER BAR STEEL REINFOR (INCLUDES STAINLE			PSI PSI O PSI	
HYDRAULIC DA				
VEL. — HW ₁₀₀ — WATERWAY DRAINAGE AREA — SCOUR CRITICAL CC	AREA	7.59 F.F EL. 638.31 231.28 SC	20	
2 YEAR FREQUENCY Q ₂ TOTAL		289 C.F 2.77 F.P EL. 632.97	.S. S.	
AADT (2043)	<u>\</u>	54		
DRIVING RESISTANCE OF 1 GATES DYNAMIC EQUATIC ESTIMATED LENGTH 70'-0 ESTIMATED LENGTH 70'-0 * THE FACTORED AXIAL I DESIGN IS THE REQUIR	RTED ON PILING STEEL HP 10x42, W 40 TONS ± PER PILE AS DETERMINED N. " WEST ABUTMENT	BY THE MODIFIED IN USED FOR BY A RESISTANCE		
	BENCHMARKS			
IO STA 1 10+16± CHISELED 'X	DESCRIPTION ' IN SE WING WALL, 14.4' RT. OF C/L	ELEV 637.76'		
2 8+49± R/R SPIKE	IN POWER POLE, 18.39' LT. OF C/L	645.09'		
3 11+68± R/R SPIKE	IN POWER POLE, 21.5' LT. OF C/L	639.43'		
VINGS				
JANTITIES, & NOTES DRATION	NO. DATE REVISIO		ВҮ	
S DETAILS YPE M		<u>_sdr</u> 10/2	25/22	8
	CHIEF STRUCTURES DESIGN	-0486	DATE	
	NEW ROAD BRIDGE OVER BR. PL COUNTY TOW	UM CREEK		
TACT K	OUTAGAMIE DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SI DESIGNED DESIGN DRA	BUCHANAN PECIFICATIONS		
	GENERAL		TLP L OF 9	;

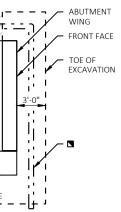
PLAN

÷ CALE









STATE PROJECT NUMBER

4656-08-71

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

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

ALL REINFORCING BARS ARE ENGLISH. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE 'HR TO THE EXTENT SHOWN ON SHEETS 1 AND 2 AND IN THE ABUTMENT DETAILS.

THE EXISTING STRUCTURE (P-44-0935) IS A 27 7' LONG BY 28.0' WIDTH SINGLE SPAN CONCRETE FLAT SLAB BRIDGE.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-44-0486" SHALL BE THE EXISTING GRADE LINE

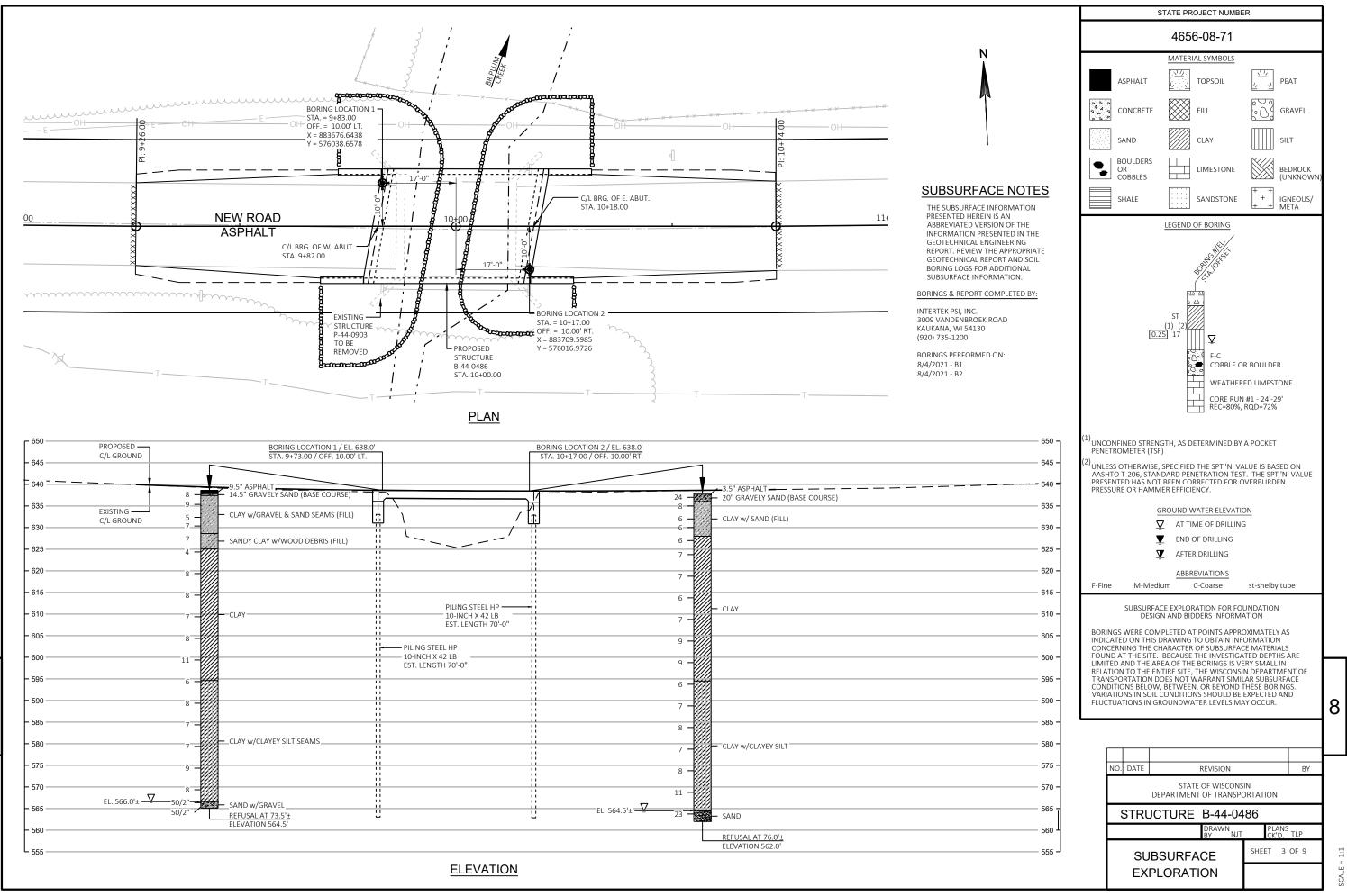
AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE IN PLACE BEFORE ABUTMENT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

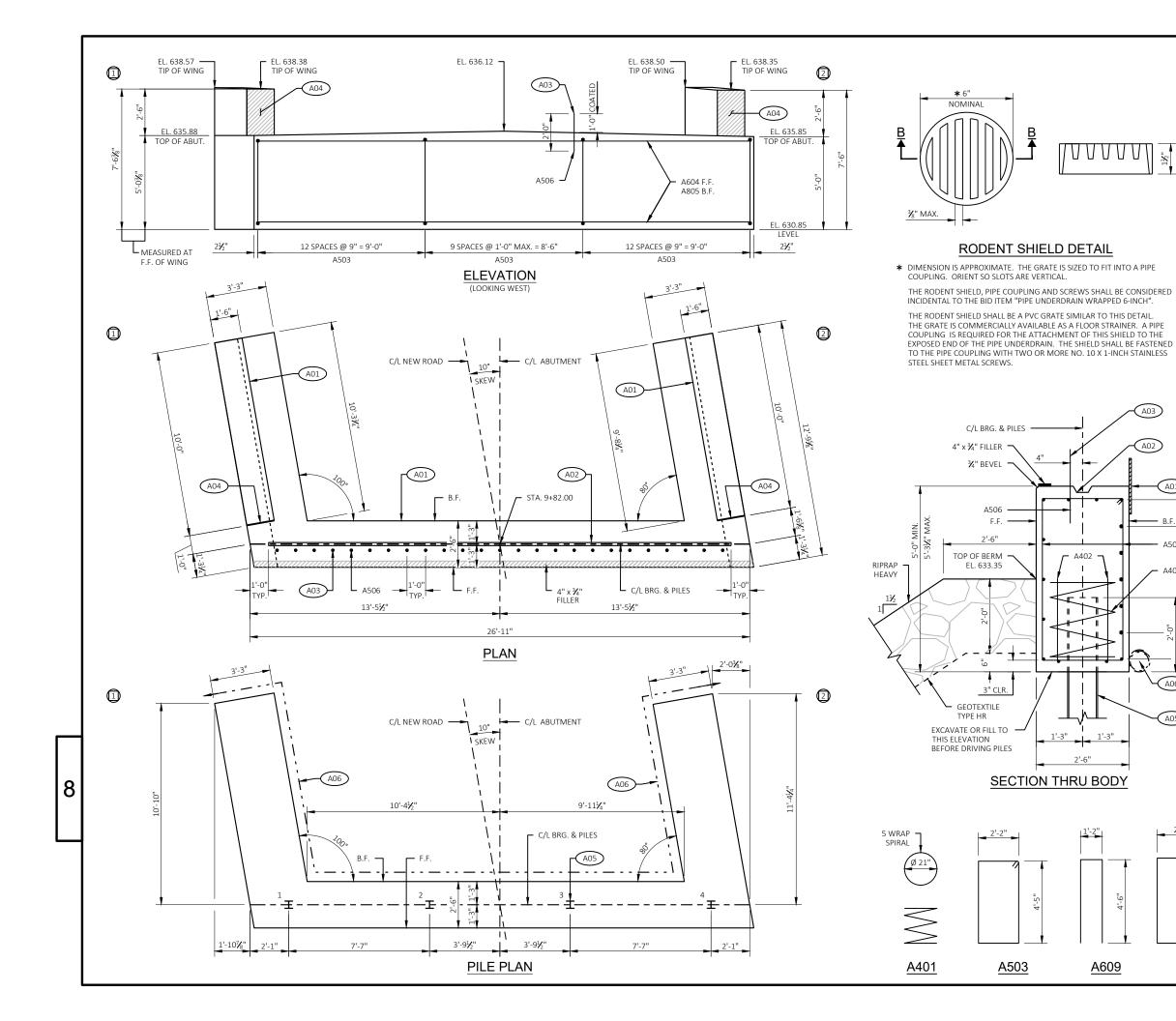
AT ABUTMENTS, CONCRETE POURED UNDERWATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

SLAB FALSE WORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

- ▲ BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

GRIND FLUSH WELD UNDER DOUBLER PLATE				8
	NO. DATE	REVISION STATE OF WISCONS DEPARTMENT OF TRANSPO		
ILING	STRI	JCTURE B-44-04	PLANS	1
		OSS SECTION, TITIES, & NOTES	SHEET 2 OF 9	SCALE = 1:1





STATE PROJECT NUMBER

4656-08-71

BILL OF BARS



ΡI	Ρ	F	

A03

A01

A503

A401

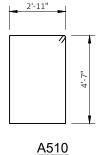
A06

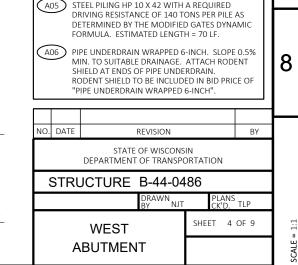
A05

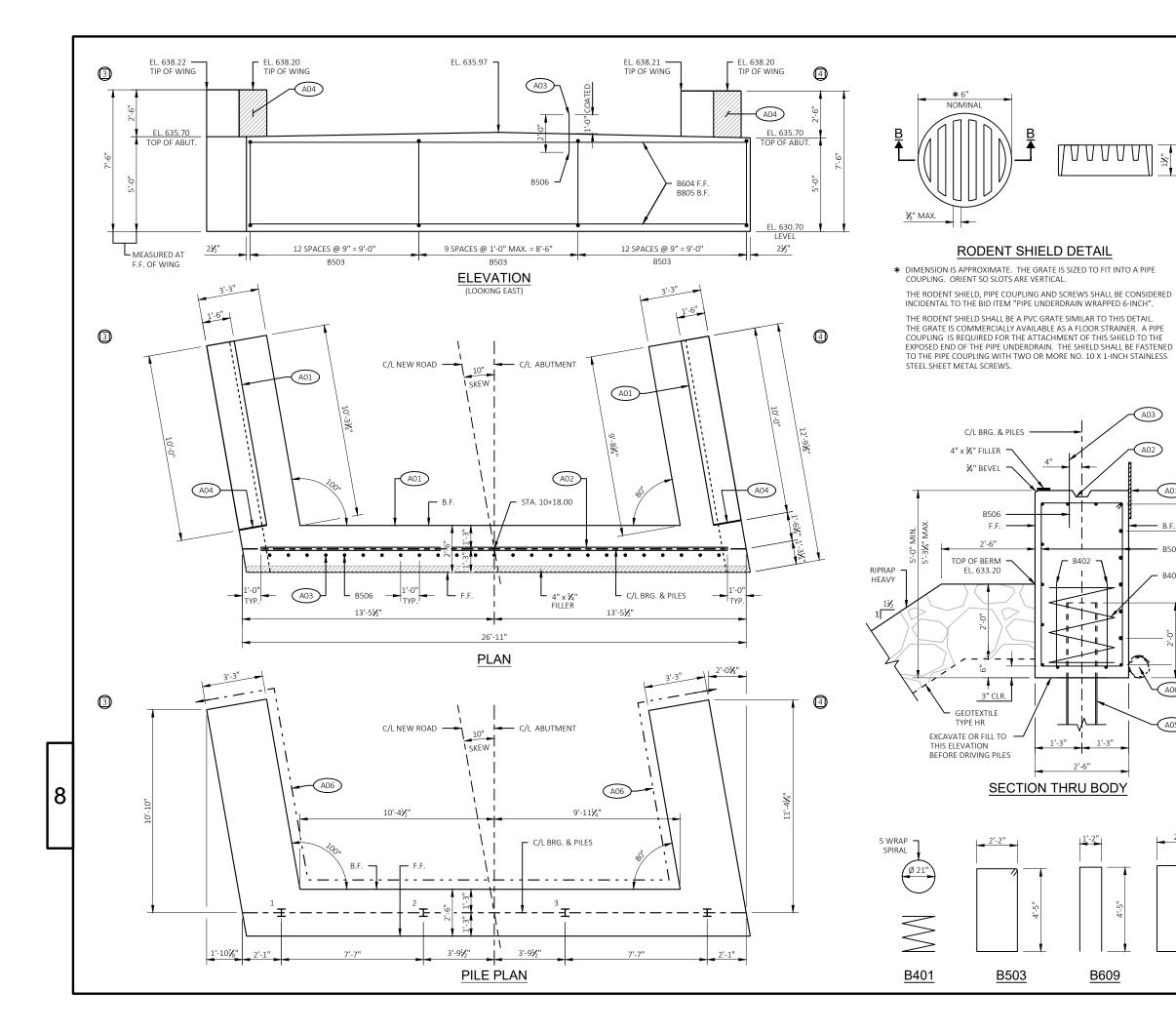
- B.F

	UNCO	DATED	1390#			
bar Mark	OA	NO. REQ'D	LENGTH	XN H	BAR SERIES	LOCATION
A401		4	28'-0"	Х		BODY - ONE PER PILE
A402		8	2'-3"			BODY - TWO PER PILE
A503		34	13'-8"	Х		BODY - STIRRUPS
A604		11	26'-7"			BODY - HORIZ.
A805		7	26'-7"			BODY - HORIZ. B.F.
A506	Х	26	2'-0"			BODY - VERT. DOWELS
A607	Х	4	9'-8"			WING 1 & 2 - HORIZ. TOP
A408	Х	10	9'-8"			WING 1 & 2 - HORIZ.
A609	Х	28	9'-10"	Х		WING 1 & 2 - VERT. TOP
A510	Х	22	15'-8"	Х		WING 1 & 2 - VERT. BASE
A511	Х	6	11'-9"			WING 1 BASE HORIZ. F.F.
A512	Х	6	11'-11"			WING 2 BASE HORIZ. F.F.
A613	Х	6	12'-3"			WING 1 BASE HORIZ. B.F.
A614	Х	6	11'-8"			WING 2 BASE HORIZ. B.F.
A615 A616	X	2	12'-3" 11'-8"			WING 1 BASE HORIZ. TOP WING 2 BASE HORIZ. TOP
-		NOT		- 0.4		r
				= FRO	CK FAC DNT FA	
PACES			F.F.		ONT FA	
equal spaces A604 F.F.			F.F. GEN O IN 18 (R.	= FRC D DICAT " RUE .M.W	DNT FA	CE
4 EUDAL SPALES A604 F.F.			F.F. GEN IN A01 18 (R. JO A02 KE	= FRC DICAT " RUE .M.W INTS YED C	DNT FA FES WII BBERIZI). SEAI ON BA	CE NG NUMBER ED MEMBRANE WATERPROOFING . ALL HORIZONTAL AND VERTICAL CK FACE. RUCTION JOINT FORMED BY A
4 EUVAL SPACES A604 F.F.			F.F. GENI IN NO1 18 (R. JO NO2 KE BE NO3 BA	= FRC DICAT " RUE .M.W INTS YED C VELE	TES WII BERIZI). SEAI ON BA CONSTR D 2 X 6	CE NG NUMBER ED MEMBRANE WATERPROOFING . ALL HORIZONTAL AND VERTICAL CK FACE. RUCTION JOINT FORMED BY A

LINE AT INSIDE FACE. A05 STEEL PILING HP 10 X 42 WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH = 70 LF.







STATE PROJECT NUMBER

4656-08-71

BILL OF BARS



ΡI	Ρ	F	

MARK B401 B503 B604 B805 B506 B607 B408 B609		REQ'D 4 8 34 11	LENGTH 28'-0" 2'-3" 13'-8"	×	SERIES	LOCATION				
B402 B503 B604 B805 B506 B607 B408		8 34	28'-0" 2'-3"							
B503 B604 B805 B506 B607 B408	×	34				BODY - ONE PER PILE				
B604 B805 B506 B607 B408	×		13'-8"			BODY - TWO PER PILE				
B805 B506 B607 B408	Y	11	13-0	Х		BODY - STIRRUPS				
B506 B607 B408	×		26'-7"			BODY - HORIZ.				
B607 B408	X I	7	26'-7"			BODY - HORIZ. B.F.				
B408	~	26	2'-0"			BODY - VERT. DOWELS				
	Х	4	9'-8"			WING 3 & 4 - HORIZ. TOP				
B609	Х	10	9'-8"			WING 3 & 4 - HORIZ.				
	Х	28	9'-6"	Х		WING 3 & 4 - VERT. TOP				
B510	Х	22	15'-8"	Х		WING 3 & 4 - VERT. BASE				
B511	Х	6	11'-9"			WING 3 BASE HORIZ. F.F.				
B512	Х	6	11'-11"			WING 4 BASE HORIZ. F.F.				
B613	Х	6	12'-3"			WING 3 BASE HORIZ. B.F.				
B614	Х	6	11'-8"			WING 4 BASE HORIZ. B.F.				
B615	Х	2	12'-3"			WING 3 BASE HORIZ. TOP				
B616	Х	2	11'-8"			WING 4 BASE HORIZ. TOP				
NOTE: B.F. = BACK FACE F.F. = FRONT FACE										

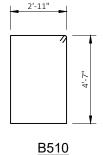


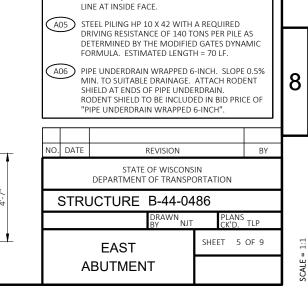


A02 KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2 X 6.

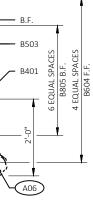
(A03) BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.

A04 SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

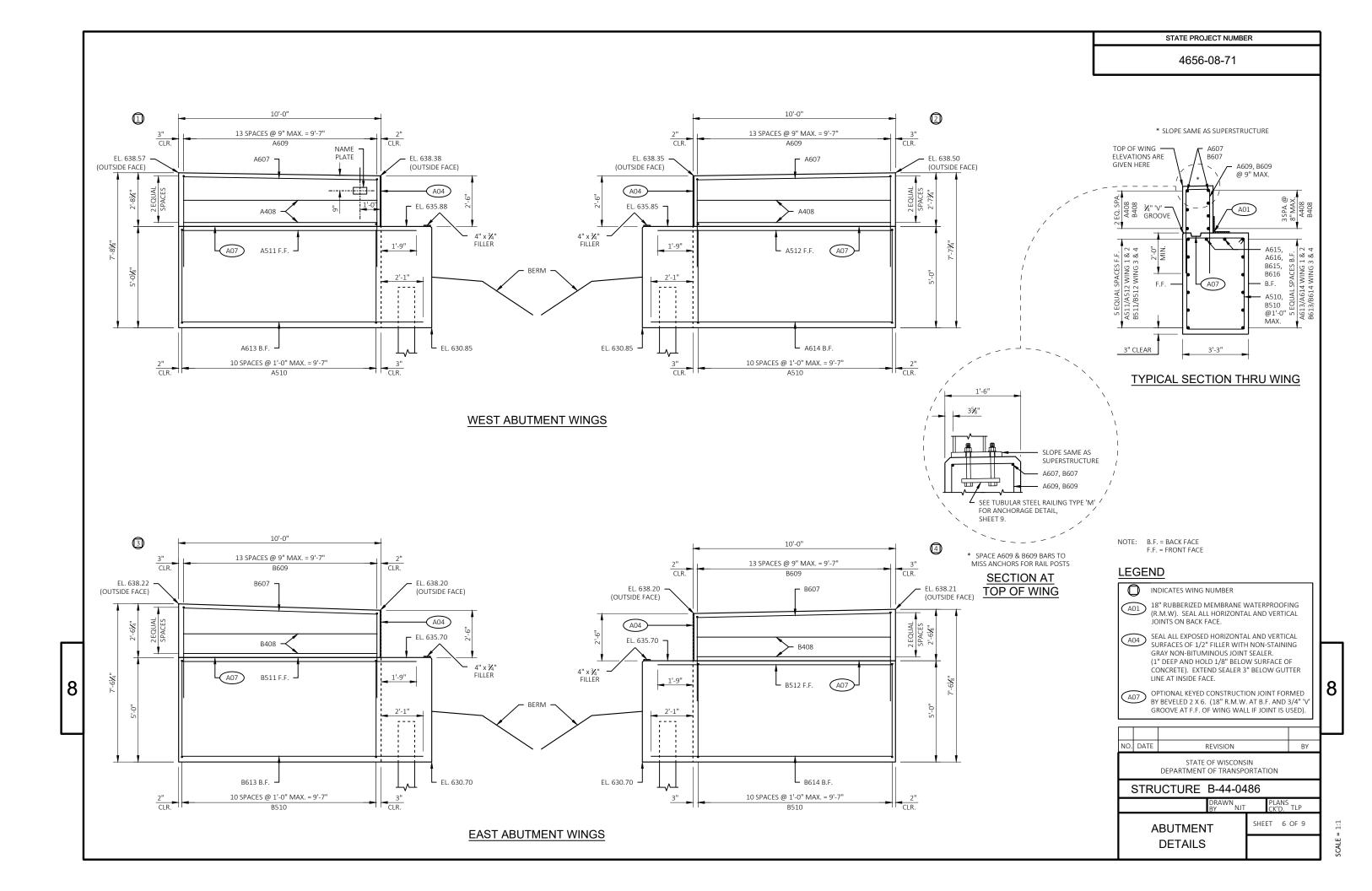


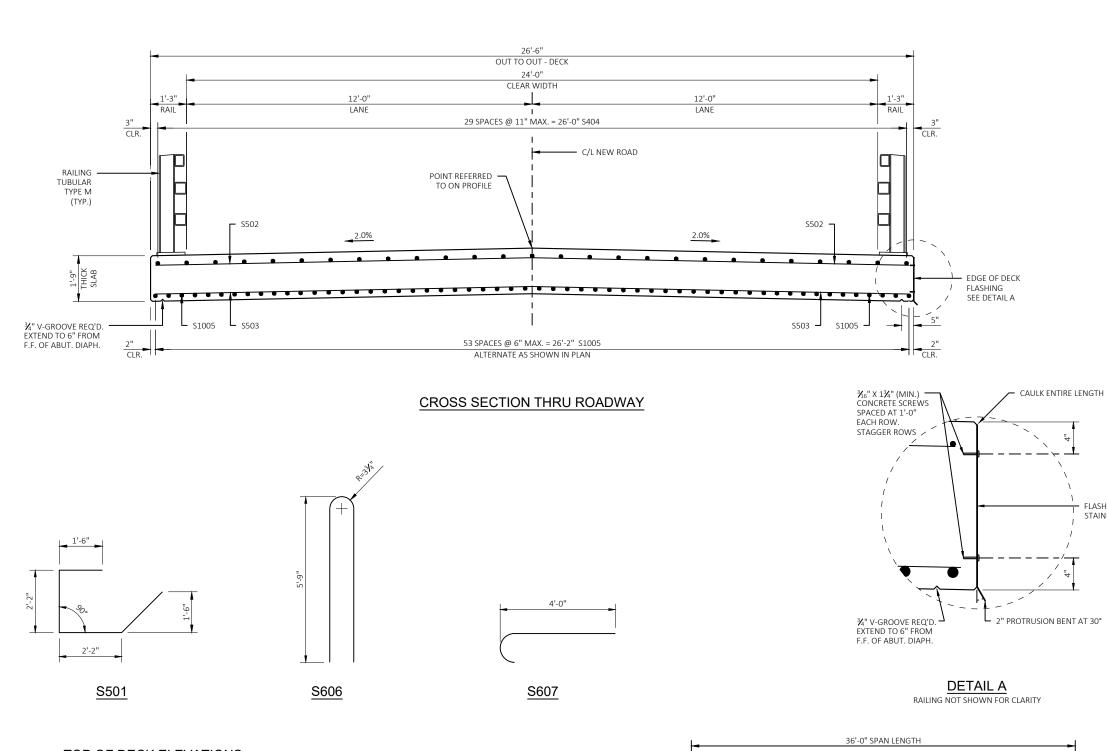






A05

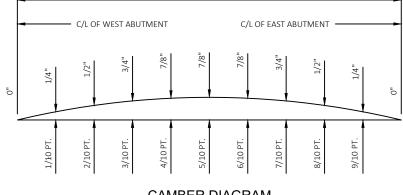






LOCATION	WEST ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	EAST ABUT.
NORTH EDGE OF DECK	638.33	638.31	638.28	638.26	638.24	638.23	638.22	638.21	638.20	638.19	638.19
C/L OF BRIDGE DECK	638.62	638.59	638.56	638.54	638.52	638.50	638.49	638.48	638.47	638.46	638.46
SOUTH EDGE OF DECK	638.38	638.34	638.32	638.29	638.27	638.25	638.23	638.22	638.21	638.20	638.20

ELEVATIONS SHOWN ARE FINISHED DECK AND DO NOT INCLUDE ALLOWANCES OF DEAD LOAD DEFLECTION AND FUTURE CREEP.



CAMBER DIAGRAM

4656-08-71

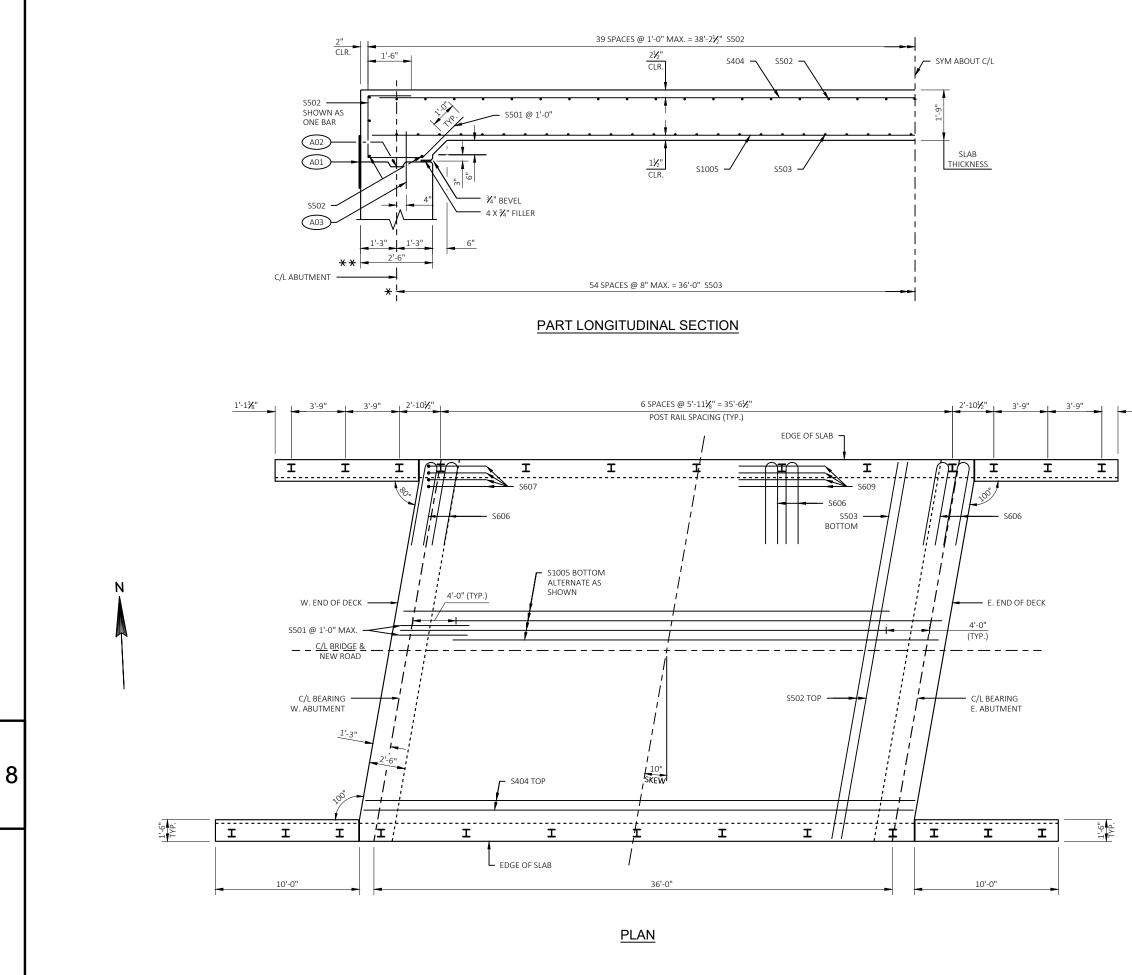
BILL OF BARS

12360# COATED									
BAR MARK			LENGTH	ALAN A	BAR SERIES	LOCATION			
S501	Х	54	7'-9"	Х		AT END OF DECK			
S502	Х	40	26'-6"			SLAB, TOP, TRANSVERSE			
S503	Х	55	26'-6"			SLAB, BOTTOM, TRANSVERSE			
S404	Х	30	38'-2"			SLAB, TOP, LONGITUDINAL			
S1005	Х	54	33'-1"			SLAB, BOTTOM, LONGITUDINAL			
S606	Х	20	12'-0"	Х		AT RAIL POSTS			
S607	Х	16	5'-0"	Х		AT END RAIL POSTS			
S608	Х	40	6'-0"			AT INTERIOR RAIL POSTS			

NOTE: BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

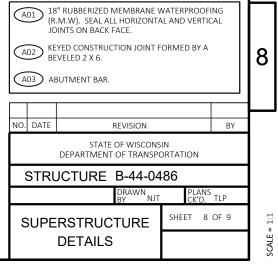
FLASHING STAINLESS STEEL	TOP TRANSVERSE BARS IN SLAB SHALL BE INDIVIDUAL BAR CHAIRS AT APPROXIMATE EACH WAY. BOTTOM LONGITUDINAL BARS BY CONTINUOUS BAR CHAIRS AT APPROXIN CENTERS.	LY 3'-0" CENTERS TO BE SUPPORTED	
	TRANSVERSE BARS SHALL BE PLACED PARA SUBSTRUCTURE UNITS.	LLEL TO THE C/L OF	
	ALL SLAB THICKNESS DIMENSIONS ARE MIN TOLERANCES NECESSARY TO CORRECT CON DISCREPANCIES ARE TO BE PLUS (+).		
T 30°	CAMBER SPAN AS SHOWN TO PROVIDE FO DEFLECTION & FUTURE CREEP. CAMBER D ALLOWANCE FOR FORM SETTLEMENT. DE. DEFLECTIONS ONLY EQUAL APPROXIMATEI VALUES SHOWN.	OES NOT INCLUDE AD LOAD	
	PRIOR TO RELEASING SLAB FALSEWORK, TA ELEVATION AT THE C/L OF ABUTMENTS, AN VERIFY CAMBER, TAKE ELEVATIONS ALONG CROWN OR C/L.	ND AT 5/10 PTS. TO	
	THE BID ITEM "FLASHING STAINLESS STEEL PROVIDING AND INSTALLING THE STAINLES CAULK, 3/16" CONCRETE SCREWS AND CLE OF DECK PRIOR TO ATTACHMENT OF THE F	SS STEEL FLASHING, ANING THE EDGE	8
	NO. DATE REVISION	BY	┠┛
	STATE OF WISCONSI DEPARTMENT OF TRANSPO	N	
	STRUCTURE B-44-04	86	1
	DRAWN NJT BY	PLANS TLP CK'D.	
	SUPERSTRUCTURE	SHEET 7 OF 9	SCALE = 1:1

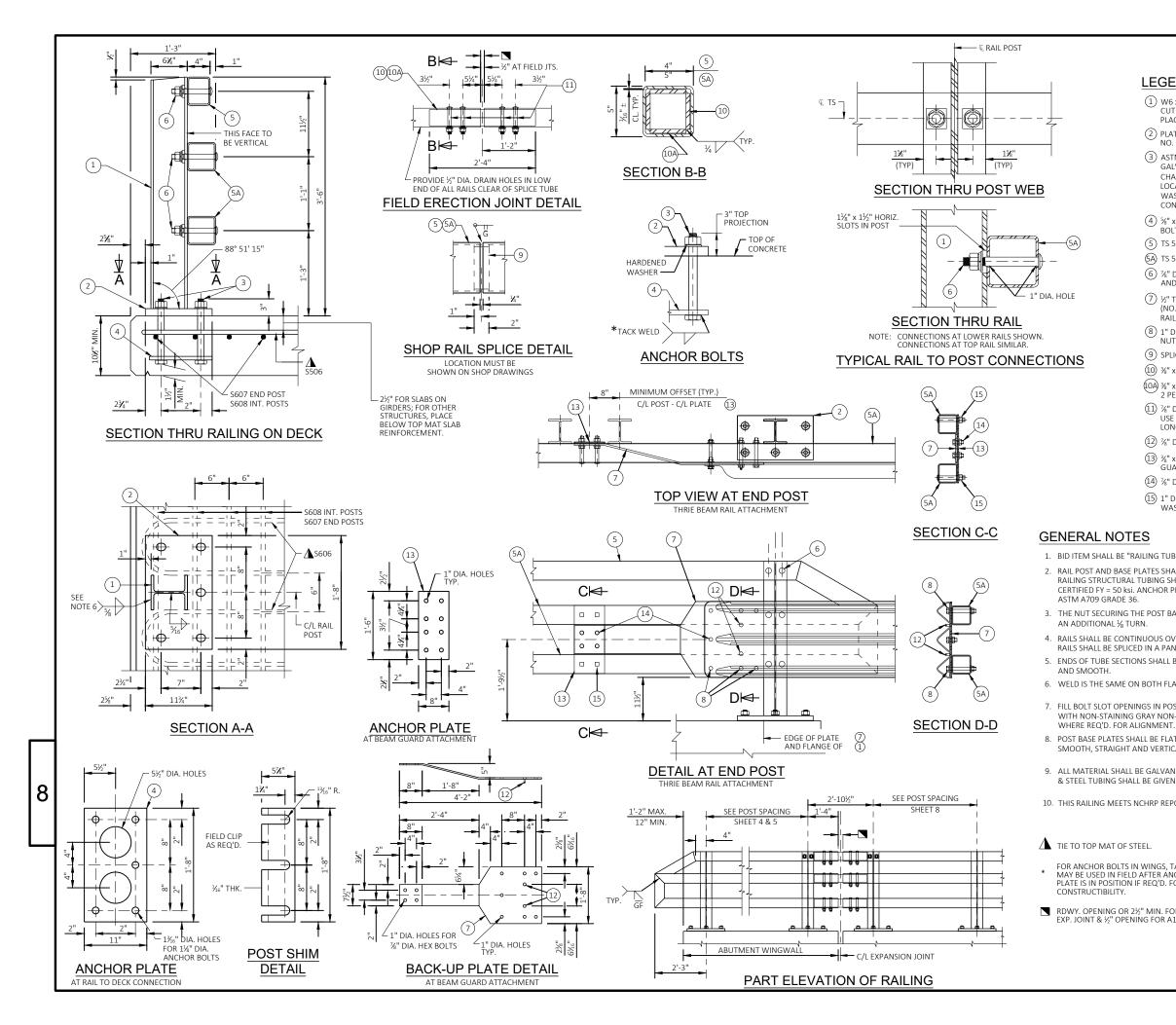


4656-08-71

1'-1¾"

LEGEND





STATE PROJECT NUMBER

LEGEND

4656-08-71

- (1) W6 x 25 WITH 1½" x 1½" HORIZ. SLOTS ON EACH SIDE OF POST FOR BOLT NO. 6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE POST VERTICAL. PLACE POSTS NORMAL TO GRADE LINE.
- (2) PLATE $1\frac{1}{4}$ " x $1\frac{1}{4}$ " x 1^{-8} " WITH $1\frac{1}{16}$ " x $1\frac{1}{8}$ " SLOTTED HOLES FOR ANCHOR BOLTS NO. 3. WELD TO NO. 1 AS SHOWN. SLOTS PARALLEL TO SHORT SIDE OF PLATE.
- (3) ASTM A449 11/8" DIA. ANCHOR BOLTS WITH NUT AND HARDENED WASHER (ALL GALVANIZED). 5 REQ'D. PER POST. THREAD 3" & PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING. USE 10³/₄" LONG AT ALL OTHER LOCATIONS. (AN EQUIVALENT THREADED ROD WITH NUTS AND HARDENED WASHERS MAY BE SUBSTITUTED FOR ANCHOR BOLTS IN WINGS IF REQ'D. FOR CONSTRUCTIBILITY.)
- (4) $\frac{1}{3}$ x 11" x 1'-8" ANCHOR PLATE (GALVANIZED) WITH $1\frac{1}{16}$ " DIA. HOLES FOR ANCHOR BOLTS NO. 3
- (5) TS 5 x 4 x 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.
- (5A) TS 5 x 5 x 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.
- 6 %" DIA. A325 SLOTTED ROUND HEAD BOLT WITH NUT, 36" x 15%" x 15%" WASHER, AND LOCK WASHER (2 REQ'D. AT EACH RAIL TO POST LOCATION.)
- $\fbox{3}$ %" thick back-up plate with 2 %" x 1½" threaded shop welded studs (no. 12). Bolt to rail as shown in detail. Required at three beam guard RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES NO. 5A.
- (8) 1" DIA. HOLES IN PLATE NO. 7 & TUBES NO. 5A FOR %" DIA. A325 BOLTS WITH HEX NUTS AND WASHERS. 6 HOLES IN TUBES AND PLATE NO. 7.
- (9) SPLICE SLEEVE FABRICATED FROM $\frac{1}{4}$ " PLATE. PROVIDE "SLIDING FIT"
- (10) ¾" x 3%" x 2' 4" PLATE. 2 PER RAIL. USED IN NO. 5 & 5A.
- (0A) %" x 2[%]" x 2' 4" PLATE USED IN NO. 5, %" x 3[%]" x 2' 4" PLATE USED IN NO. 5A. 2 PFR RAII
- (1) $\frac{1}{26}$ " DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER, AND LOCK WASHER. USE $\frac{15}{26}$ " x 1¼" LONGIT. SLOTTED HOLES AT FIELD JOINTS AND $\frac{13}{26}$ " x 2¼" MIN. LONGITUDINAL SLOTTED HOLES AT EXPOSED JOINTS IN PLATE NO. 10A.
- (12) ⁷/₈" DIA. x 1¹/₂" LONG THREADED SHOP WELDED STUDS (2 REQ'D).
- (13) ¾" x 8" x 1'-6" PLATE. BOLT TO RAIL AS SHOWN IN DETAIL. REQ'D. AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYM. ABOUT TUBES NO. 5A.
- (14) 1/2" DIA. x 2" LONG A325 HEX BOLT WITH NUT AND WASHER (5 REQ'D.)
- (15) 1" dia. Holes in tubes no. 5a for $7_{\!\!8}$ " dia. A325 round head bolt with nut, WASHER AND LOCK WASHER (4 REQ'D.). 4 HOLES IN TUBES.

- 1. BID ITEM SHALL BE "RAILING TUBULAR TYPE M" WHICH INCLUDES ALL ITEMS SHOWN.
- 2. RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B OR C WITH A CERTIFIED FY = 50 ksi. ANCHOR PLATES, AND SPLICE TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF
- 3. THE NUT SECURING THE POST BASE PLATE TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN
- 4. RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF THREE (3) POSTS WITHOUT SPLICES WHERE POSSIBLE. RAILS SHALL BE SPLICED IN A PANEL OVER EXPANSION JOINTS.
- 5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE
- 6. WELD IS THE SAME ON BOTH FLANGES. FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING.
- 7. FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 AND CAULK AROUND PERIMETER OF PLATE NO. 2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS
- 8. 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 CUT.
- 9. ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS.
- 10. THIS RAILING MEETS NCHRP REPORT 350 EVALUATION CRITERIA FOR TEST LEVEL 4 (TL-4).

DF STEEL.							
TS IN WINGS, TACK WELD	NO. DATE REVISION BY						
IELD AFTER ANCHOR ION IF REQ'D. FOR Y.			STATE OF WISCONS DEPARTMENT OF TRANSPO		N RTATION 86		
DR 2½" MIN. FOR STRIP SEAL PENING FOR A1_ABUTMENT.	STRUCTURE B-44-0486						
PENING FOR AL ABOTIVIENT.	DRAWN NJT PLANS TLP BY CK'D. TLP					TLP	
						DF 9	= 1:1
	TYPE M						SCALE :

DIVISION 1 -	- LCL - NEW RD										
				AREA (SF)		INCREN	IEN⊤AL VOL (CY) (UNAD	JUSTED)		CUMULATIVE V	OL (CY)
STATION	REAL STATION	DISTANCE		SALVAGED/UNUSABLE		CU⊤	SALVAGED/UNUSABLE	FILL	СИТ	EXPANDED FILL	MASS ORDIN
			СUТ	PAVEMENT MATERIAL	FILL		PAVEMENT MATERIAL		1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
09+26	926.00	0.00	16.50	15.04	0.00	0	0	0	0	0	0
09+36	936.00	10.00	31.29	15.04	13.54	9	3	3	9	4	2
09+50	950.00	14.00	25.36	15.04	35.77	15	8	13	24	20	-7
09+68.66	968.66	18.66	24.05	15.04	71.19	17	10	37	41	66	-46
09+72.80	972.80	4.14	11.27	7.92	45.24	3	2	9	44	78	-57
				COLUMN	totals	44	23	62	_		

DIVISION 2 - LCL - NEW RD

DIVISION 2	- LCL - NEVV RD										
				AREA (SF)		INCREN	/IENTAL VOL (CY) (UNAD	JUSTED)		CUMULATIVE	VOL (CY)
STATION	REAL STATION	DISTANCE	CUT	SALVAGED/UNUSABLE		CUT	SALVAGED/UNUSABLE	FILL	CUT	EXPANDED FILI	MASS ORDI
			CUT	PAVEMENT MATERIAL	FILL		PAVEMENT MATERIAL		1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+27.20	1027.20	0.00	13.65	2.92	11.23	0	0	0	0	0	0
10+31.34	1031.34	4.14	27.78	5.69	33.91	3	1	3	3	4	-2
10+50	1050.00	18.66	31.92	5.83	20.21	21	4	19	24	28	-9
10+64	1064.00	14.00	33.50	6.13	14.19	17	3	9	41	39	-6
10+74	1074.00	10.00	33.89	6.13	0.00	12	2	3	53	43	1
				COLUM	I TOTALS	53	10	34			

Notes:		
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL	i
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS	1
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME	1
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - EXPANDED ROCK) * FILL FACTOR)]	MARS

PROJECT NO:	4656-08-71	HWY: NEW ROAD	COUNTY: OUTAGAMIE		EARTHWORK QU	JANTITIES	
FILE NAME : I:\CLIENTS	S-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNT	Y LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\4656	0800\SHEETSPLAN\090101-EW.DWG PLOT DATE :	7/14/2022 4:26 PM	PLOT BY :	MIKE LAPEAN	PLOT NAME :

FILE NAME : I:\CLIENTS-GRBAY\B\B4916 BUCHANAN TOWN OF\101 4656-07-71 COUNTY LINE RD & 4656-08-71 NEW ROAD\4656-08-71 NEW ROAD BRIDGE\46560800\SHEETSPLAN\090101-EW.DWG PLOT DATE : 7/14/2022 4:26 PM PLOT BY : MIKE LAPEAN PLOT NAME - 01

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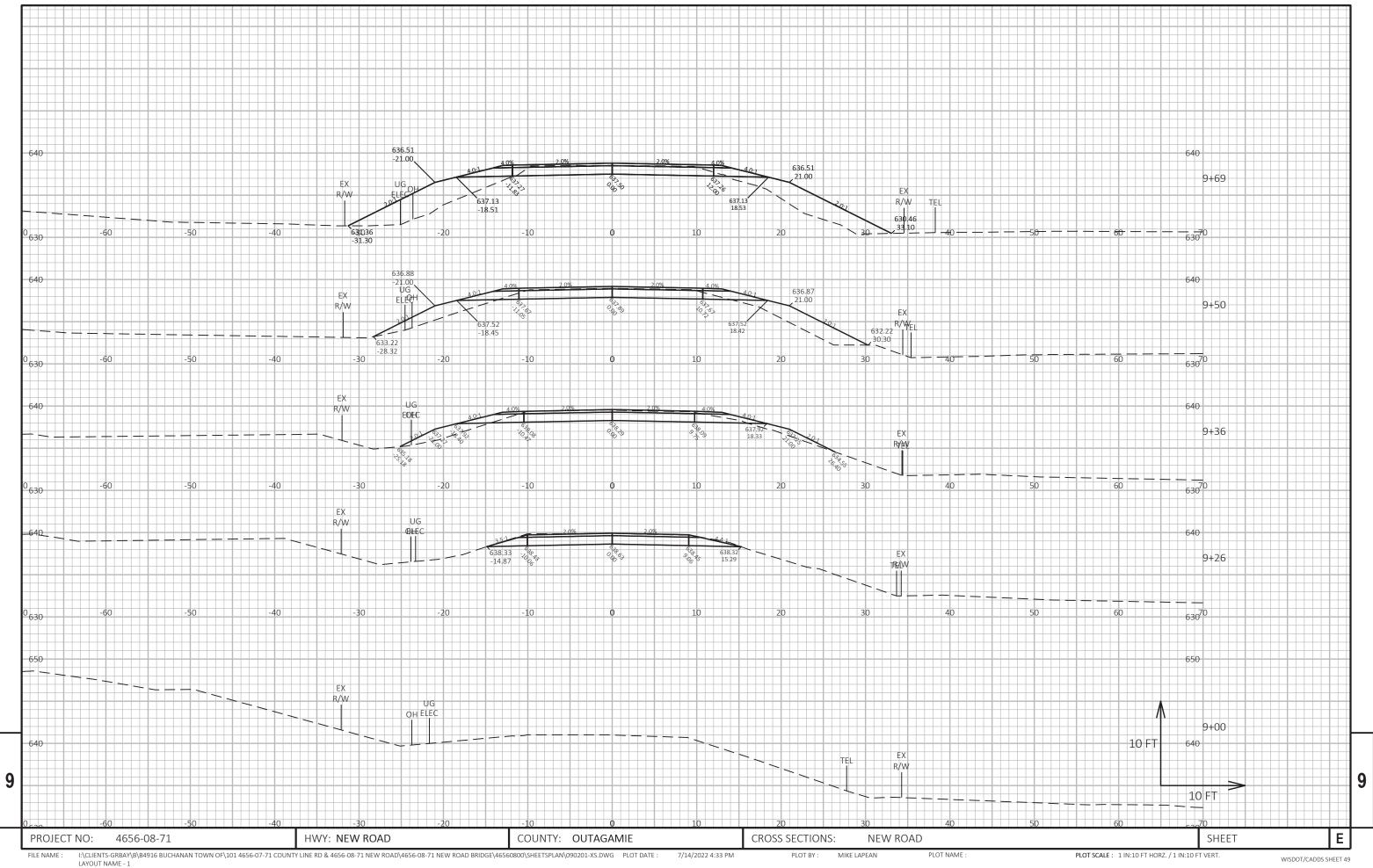
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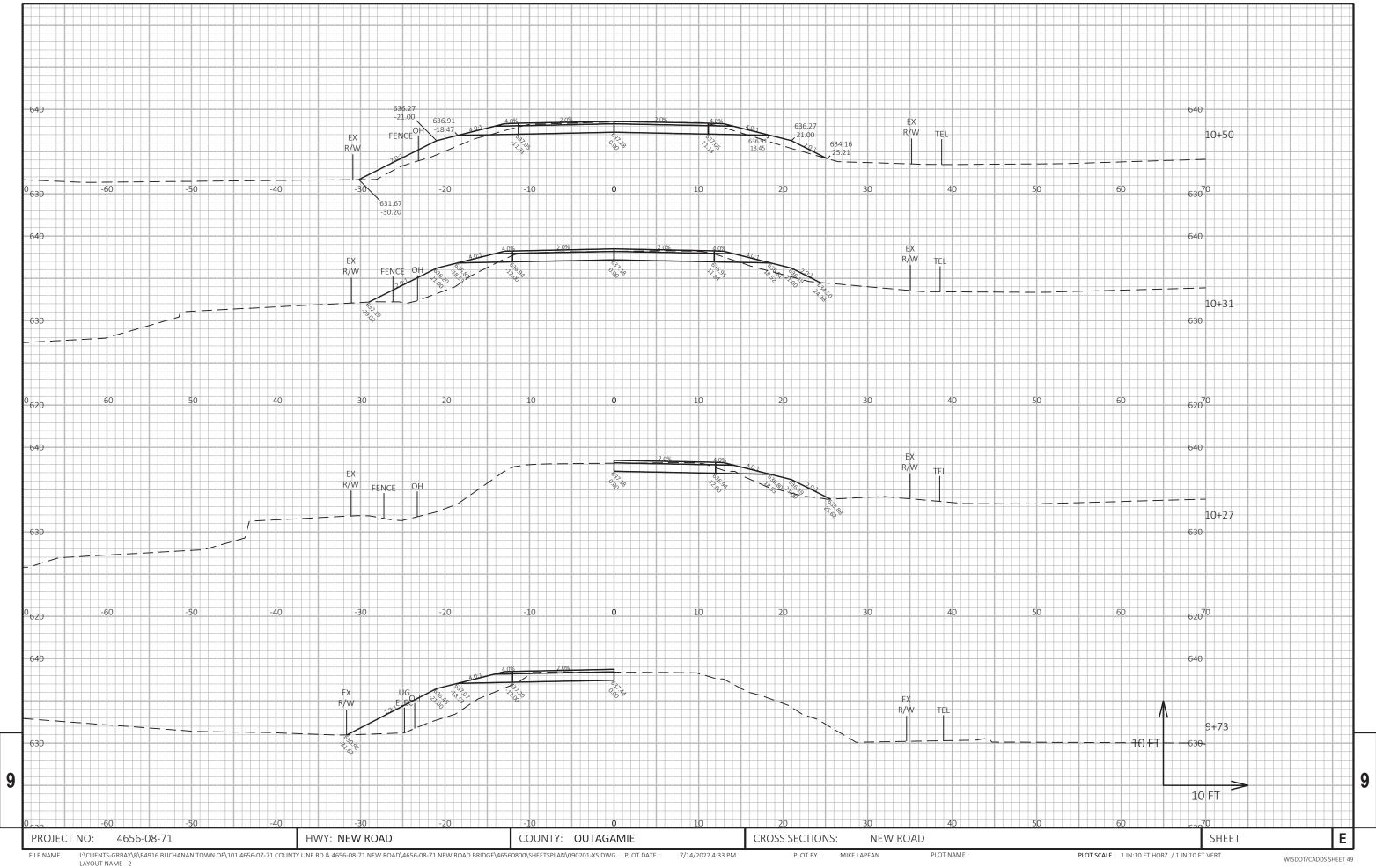
ARSH AND EBS ARE NOT USABLE OUTSIDE THE 1:1 SLOPES

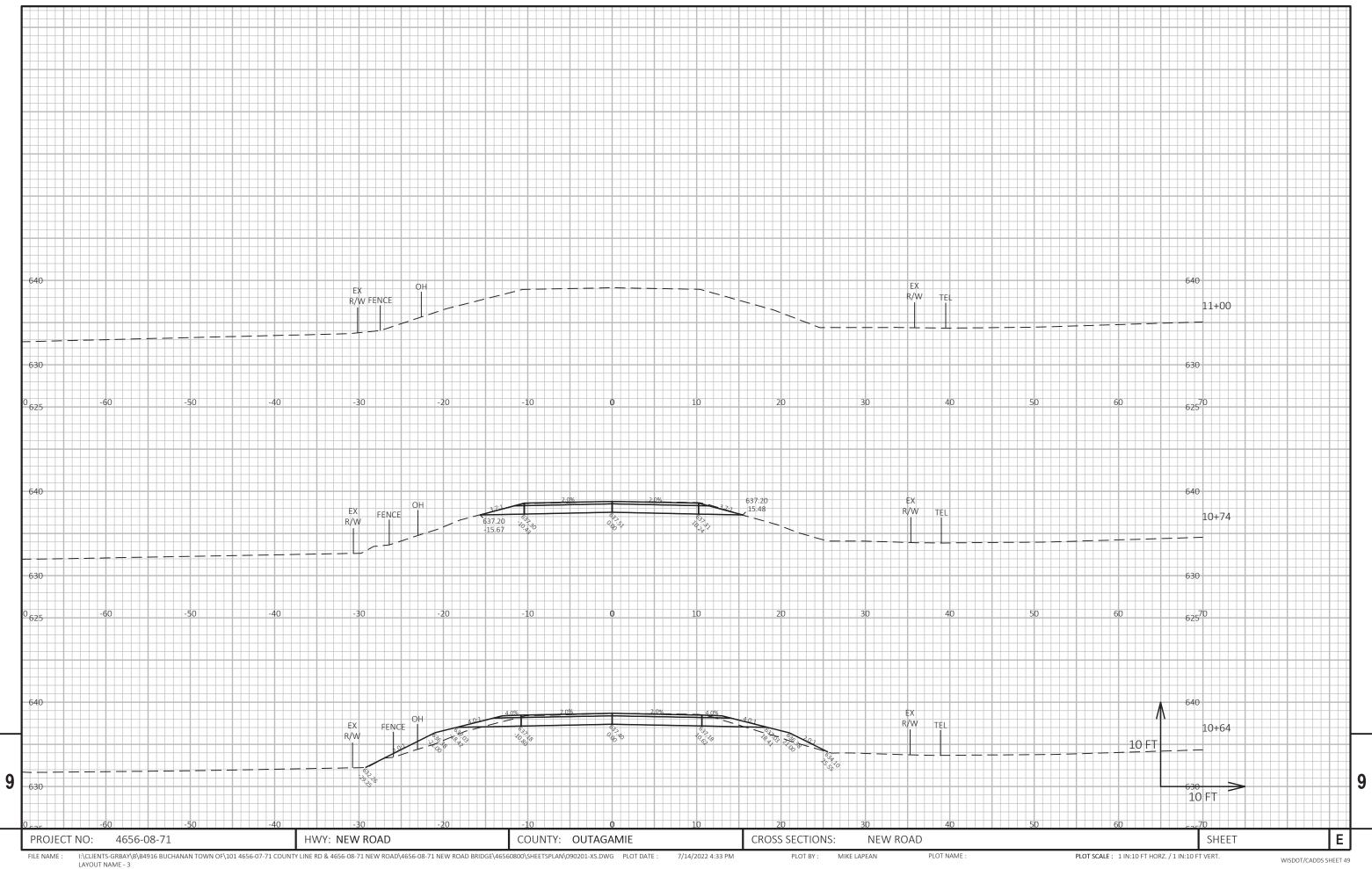
PLOT SCALE : 1" = 1'

SHEET

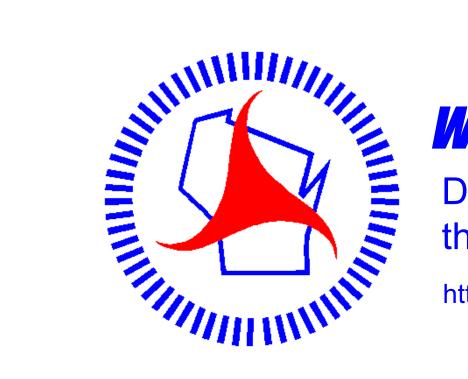
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Notes



Wisconsin Department of Transportation

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