PROJECT ID: WITH: 60 -93-00-7

- "

SUP

ORDER OF S	HEETS	
Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantitles
Section No.	3	Miscellaneous Quantities
-Section No.		
Section No.	5	Plan and Profile
Section No.	6	Standard Detall Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
-Section No.		Compuler-Earthwork Dala-
Section No.	9	Cross Sections

TOTAL SHEETS = 36

NOVEMBER 2019

DESIGN DESIGNATION 8793-00-71

A.A.D.T.	2015	#	141
A.A.D.T.	2035	=	155
D.H.V.		=	N/A
D.D.		=	50/50
т.		=	10% MAX
DESIGN SPEED			55 MPH
ESALS		Ŧ	51,100

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS	1//////	PROFILE GRADE LINE
PROPERTY LINE		ORIGINAL GROUND
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	L	SPECIAL DITCH
EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE		GRADE ELEVATION
SLOPE INTERCEPT		CULVERT (Profile View)
REFERENCE LINE	30058.	UTILITIES
EXISTING CULVERT	•• •• • • •• •	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	——————————————————————————————————————	GAS
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER STORM SEWER
	11	TELEPHONE
MARSH AREA	(TTT)	WATER
	LAA	UTILITY PEDESTAL
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	POWER POLE
WOODED OR SHRUB AREA	Emma	TELEPHONE POLE

ROCK

LABEL

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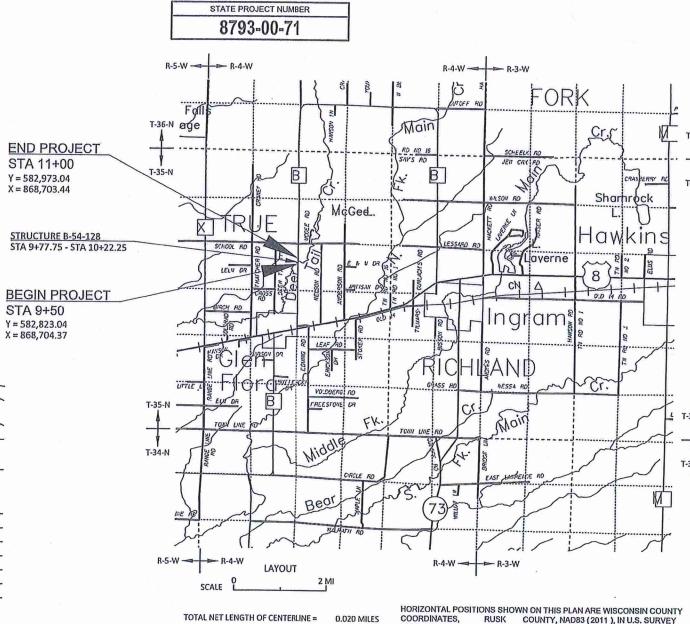
# STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

# **USH 8 - CEDAR RAPIDS**

**DEER TAIL CREEK BRIDGE B-54-128** 

CTH B RUSK



HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, RUSK COUNTY, NADB3 (2011), IN U.S. SURVEY FEET, VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES, GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FILE NAME : G:\2018-PROJ\18445026\C3D\SHEETSPLAN\010101_TI.DWG

STATE PROJECT	F	EDERAL PROJ	ECT
	F	ROJECT	CONTRACT
8793-00-71			_
		۰.	
Y F			
-36-N			
1 -35-N	A	CEPTED FOR	
-55-11	RU	SK COUNTY	/
		1	D
	Date 4/15/19_	And	all
		(Signature and T	itle of Official)
	ORIGINAL	PLANS PREPA	RED BY
	NAME OF COLUMN	N N N N N N N N N	
	APPROVING THE	CONSIN	14
	A A A A A A A A A A A A A A A A A A A	ACOB A.	X and A
	= 0: H	RIBERG	
	Õ ni	-43328 CE LAKE	
	E THE	WI	
	ALL SIC	O's series	\$ 19.1
-35-N	DATE: 4/12/19	VAL	1thy
1-		(Professional Engine	eer Signature)
9 -34-N	STATE	OF WISCONS	IN
	DEPARTMENT		
	PREPARED BY		
	Surveyor	COOPER ENGI	
	Designer Project Manager	MATTHEW VA	
	Regional Supervisor	ANDREW STE	and the second se
	APPROVED FOR THE DEPARTM		nn
	DATE: 4/15/19		skin
	DATE:		
		(Signature	2)
		(Signature	e) E

#### LIST OF STANDARD ABBREVIATIONS

ABUT	ABUTMENT	
AC	ACRES	LT.
AGG	AGGREGATE	LS
AH	AHEAD	MH
ADT	AVERAGE DAILY TRAFFIC	N
		NC
AVG.	AVERAGE	PAVT
ASPH	ASPHALTIC	PC
BK.	BACK	PE
BM.	BENCHMARK	PI
		PL
Δ	CENTRAL ANGLE OR DELTA	PP
€, C/L	CENTERLINE	PT
C&G	CURB AND GUTTER	R
CABC	CRUSHED AGGREGATE BASE COURSE	RCCF
CONC.	CONCRETE	
conc.	CONCRETE	RD
COR	CORNER	REBA
CORR	CORRUGATED	REQI
CSCP	CORRUGATED STEEL	RDW
	CULVERT PIPE	
CSPA	CORRUGATED STEEL	RHF
	PIPE ARCH	RL, R
CTH	COUNTY TRUNK HIGHWAY	RR RT.
CP.	CULVERT PIPE	R/W
CY	CUBIC YARD	s
CWT.	HUNDREDWEIGHT	SAN
DIA	DIAMETER	SDD
D	DEGREE OF CURVE	SE
DHV	DESIGN HOURLY VOLUME	SF.
DWY	DRIVEWAY	SHLD
EBS	EXC. BELOW SUB GRADE	SPEC
		SQ.
ELEC.	ELECTRIC	SS.
EXC EXIST	EXCAVATION EXISTING	SY.
E	EAST	STH ST.
FE	FIELD ENTRANCE	STA
FF.	FACE TO FACE	SW
FL, F/L	FLOW LINE	т
FS	FULL SUPERELEVATION	TC
G	GARAGE	ΤĹ,Τ
GN	GRID NORTH	TEL
н	HOUSE	TEMF
		TLE
		TYP
HYD	HYDRANT	USH
I	INTERSECTION ANGLE	UG
INTERS	INTERSECTION	V
INV.	INVERT	VAR.
IP	IRON PIN OR PIPE	VERT
LC	LONG CHORD OF CURVE	YD
LF	LINEAR FOOT	
LHF	LINEAR FOOT	
	LENGTH OF CURVE	
L	LENGTH OF CORVE	

LT.	LEFT
LS	LUMP SUM
MH	MANHOLE
N	NORTH
NC	
PAVT	
PC	POINT OF CURVATURE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PP	POWER POLE
PT	POINT OF TANGENCY
R RCCP	RANGE , RADIUS REINFORCED CONCRETE
RCCF	CULVERT PIPE
RD	ROAD
REBAR	REINFORCEMENT BAR
REQD	REQUIRED
RDWY	ROADWAY
RHF RL, R/L	RIGHT HAND FORWARD REFERENCE LINE
RR	RAILROAD
RT.	RIGHT
R/W	RIGHT-OF-WAY
S	SOUTH
SAN S	SANITARY SEWER
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF.	SQUARE FEET
SHLDR SPECS	SHOULDER SPECIFICATIONS
SQ.	SQUARE
SS.	STORM SEWER
SY.	
	SQUARE YARD
STH	SQUARE YARD STATE TRUNK HIGHWAY
ST.	STATE TRUNK HIGHWAY STREET
ST. STA	STATE TRUNK HIGHWAY STREET STATION
ST STA SW	STATE TRUNK HIGHWAY STREET STATION SIDEWALK
ST. STA	STATE TRUNK HIGHWAY STREET STATION
ST. STA. SW T TC	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT
ST. STA. SW T	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB
ST. STA. SW T TC TL,T/L	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE
ST. STA. SW T TC TL , T/L TEL	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE TELEPHONE
ST. STA. SW T TC TL, T/L TEL TEMP	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE TELEPHONE TEMPORARY
ST. STA. SW T TC TL, T/L TEL TEMP TLE TYP USH	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE TELEPHONE TEMPORARY TEMPORARY TEMPORARY LIMITED EASEMENT TYPICAL UNITED STATES HIGHWAY
ST. STA. SW T TC TL, T/L TEL TEMP TLE TYP USH UG	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE TELEPHONE TEMPORARY TEMPORARY LIMITED EASEMENT TYPICAL UNITED STATES HIGHWAY UNDERGROUND
ST. STA. SW T TC TL,T/L TEMP TLE TYP USH UG V	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE TELEPHONE TEMPORARY TEMPORARY TEMPORARY LIMITED EASEMENT TYPICAL UNITED STATES HIGHWAY UNDERGROUND DESIGN SPEED
ST. STA. SW T TC TL,T/L TEL TEMP TLE TYP USH UG V VAR.	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE TELEPHONE TEMPORARY TEMPORARY TEMPORARY LIMITED EASEMENT TYPICAL UNITED STATES HIGHWAY UNDERGROUND DESIGN SPEED VARIABLE
ST. STA. SW T TC TL,T/L TEMP TLE TYP USH UG V	STATE TRUNK HIGHWAY STREET STATION SIDEWALK TANGENT TOP OF CURB TRANSIT LINE TELEPHONE TEMPORARY TEMPORARY TEMPORARY LIMITED EASEMENT TYPICAL UNITED STATES HIGHWAY UNDERGROUND DESIGN SPEED

#### UTILITY CONTACTS

#### 

CENTURYLINK **BRIAN HUHN** 425 ELLINGSON AVENUE HAWKINS, WI 54530 PHONE: (715) 532-0023 EMAIL: brian.huhn@centurylink.com

ALL UTILITIES LISTED ARE MEMBERS OF DIGGERS HOTLINE



#### OTHER CONTACTS

#### DESIGN CONSULTANT

COOPER ENGINEERING JACOB FRIBERG 2600 COLLEGE DRIVE RICE LAKE, WI 54868 PHONE: (715) 234-7008 EMAIL: jfriberg@cooperengineering.net

#### DNR/DOT LIAISON LEAH NICOL

1300 W CLAIREMONT AVENUE EAU CLAIRE, WI 54701 PHONE: (715) 934-9014 EMAIL: Leah.Nicol@wisconsin.gov

DNR REGIONAL CONTACT

## COUNTY SURVEYOR

RUSK COUNTY JOHN FITZL 311 MINER AVE. EAST LADYSMITH, WI 54848 PHONE: (715) 532-2165 EMAIL: john@ruskcountywi.us HIGHWAY COMMISSIONER RUSK COUNTY

SCOTT EMCH N2711 STH 27 LADYSMITH, WI 54848 PHONE: (715) 532-2633 EMAIL: semch@ruskcountywi.us

#### HYDF Δ SLOPE RANGE (%) LAND USE: 0-2 2-6 6 & OVER ROW CROPS .08 .16 .22 .22 .30 .38 MEDIAN STRIP-.19 .20 .26 .24 .30 .24 TURF SIDE SLOPE-.25 .32 TURF PAVEMENT: ASPHALT CONCRETE BRICK DRIVES, WALKS ROOFS GRAVEL ROADS, SHOULDERS

PROJECT NO: 8793-00-71	НWY: СТН В	COUNTY: RUSK	PLAN:	GENER	AL NOTES	
						DI OT NUMBER

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PLOT DATE : 1/18/2019 12:04 PM PLOT BY : JACOB FRIBERG PLOT NAME

2

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

ACCESS TO ALL RESIDENCES & SIDE ROADS SHALL BE MAINTAINED DURING CONSTRUCTION.

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

PAVEMENT MARKING SHALL MEET MUTCD STANDARDS.

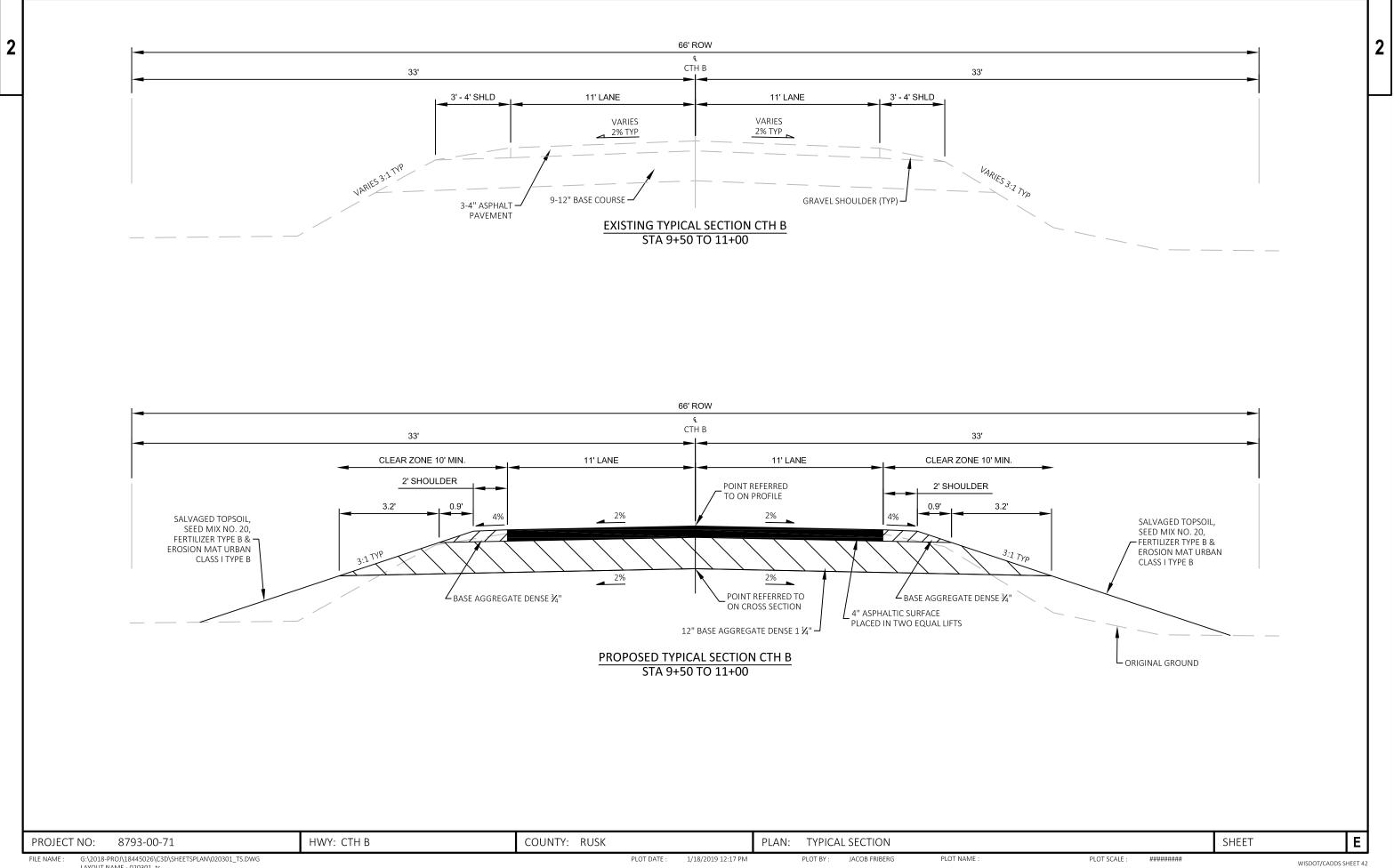
#### GENERAL NOTES:

CTH B WILL BE CLOSED DURING CONSTRUCTION AND NO DETOUR ROUTE WILL BE MARKED.

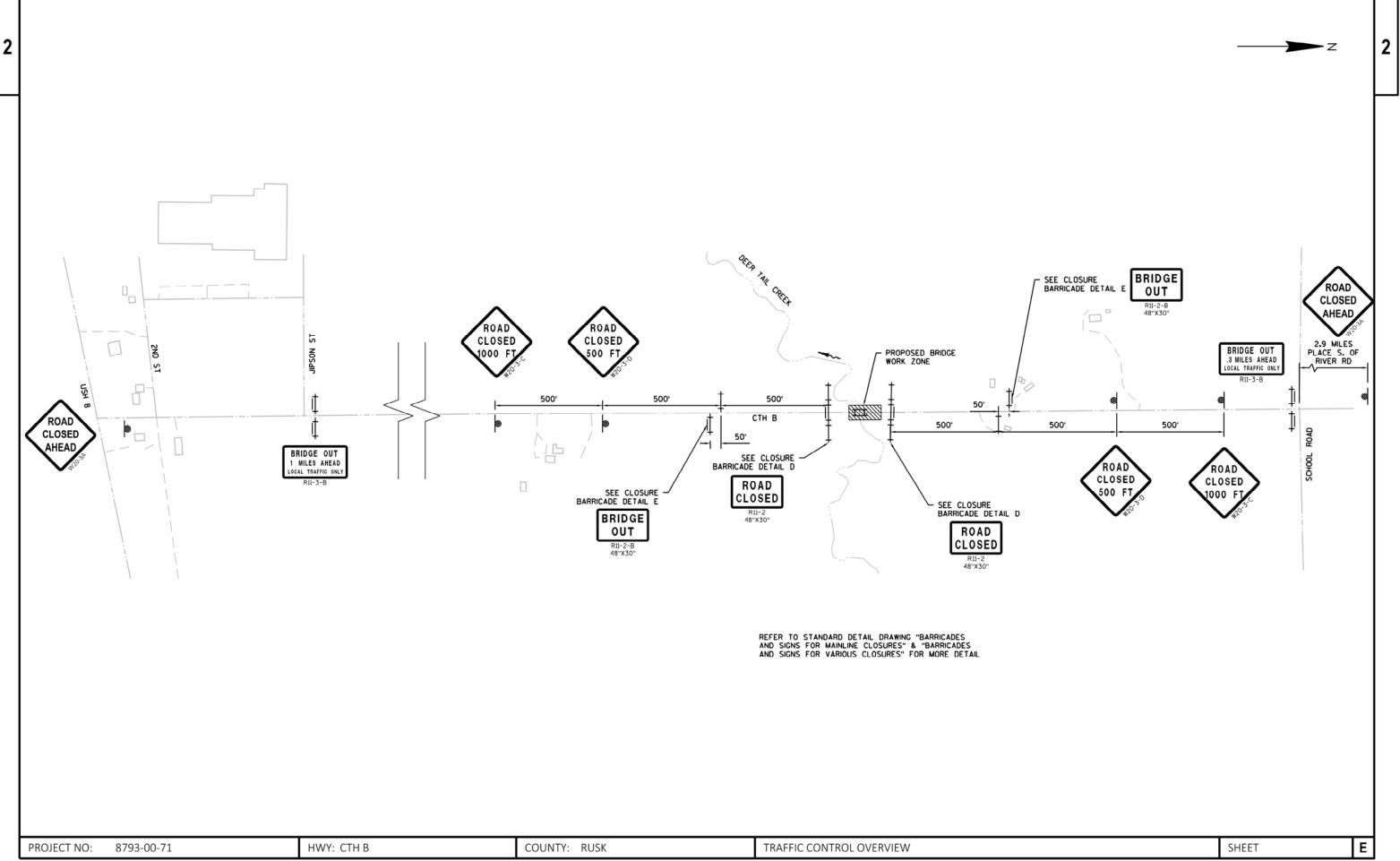
#### RUNOFF COEFFICIENT TABLE

)	ROLOG	IC SOIL	GROUP									
			В			С	D					
	SL	OPE R	ANGE (%)	SL	OPE R	ANGE (%)	SLO	OPE RA	NGE (%)			
	0-2	2 <b>-</b> 6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER			
	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56			
	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40			
			.27 .34			.28 .36			.30 .38			
-	7095 3095											
	7080	)										
	7585	5										
	7595	;										
2	1060											

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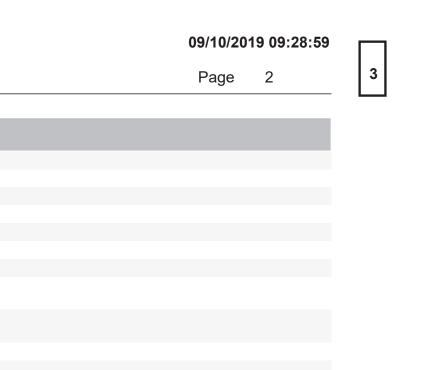


FILE NAME : G:\2018-PROJ\18445026\C3D\SHEETSPLAN\025001_TC.DWG LAYOUT NAME - 025001_tc PLOT DATE : 1/18/2019 12:36 PM PLOT BY : JACOB FRIBERG PLOT NAME :

					Estimate Of	Quantities
					8793-00-71	
Line	Item	Item Description	Unit	Total	Qty	
0002	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. STA 10+00	LS	1.000	1.000	
0004	205.0100	Excavation Common	CY	160.000	160.000	
0006	206.1000	Excavation for Structures Bridges (structure) 01. B-54- 128	LS	1.000	1.000	
8000	210.1500	Backfill Structure Type A	TON	180.000	180.000	
0010	213.0100	Finishing Roadway (project) 01. 8793-00-71	EACH	1.000	1.000	
012	305.0110	Base Aggregate Dense 3/4-Inch	TON	40.000	40.000	
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	250.000	250.000	
0016	455.0605	Tack Coat	GAL	20.000	20.000	
0018	465.0105	Asphaltic Surface	TON	65.000	65.000	
0020	502.0100	Concrete Masonry Bridges	CY	169.000	169.000	
0022	502.3200	Protective Surface Treatment	SY	129.000	129.000	
0024	502.3210	Pigmented Surface Sealer	SY	65.000	65.000	
0026	505.0400	Bar Steel Reinforcement HS Structures	LB	3,360.000	3,360.000	
0028	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	23,460.000	23,460.000	
0030	516.0500	Rubberized Membrane Waterproofing	SY	10.000	10.000	
0032	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	500.000	500.000	
0034	606.0300	Riprap Heavy	CY	110.000	110.000	
0036	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	180.000	180.000	
0038	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	4.000	
040	618.0100	Maintenance And Repair of Haul Roads (project) 01. 8793-00-71	EACH	1.000	1.000	
042	619.1000	Mobilization	EACH	1.000	1.000	
0044	624.0100	Water	MGAL	5.000	5.000	
0046	625.0500	Salvaged Topsoil	SY	300.000	300.000	
0048	628.1504	Silt Fence	LF	350.000	350.000	
0050	628.1520	Silt Fence Maintenance	LF	350.000	350.000	
0052	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000	
0054	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0056	628.2008	Erosion Mat Urban Class I Type B	SY	300.000	300.000	
0058	628.6005	Turbidity Barriers	SY	100.000	100.000	
0060	629.0210	Fertilizer Type B	CWT	0.300	0.300	
0062	630.0120	Seeding Mixture No. 20	LB	10.000	10.000	
0064	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0066	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0068	638.2602	Removing Signs Type II	EACH	4.000	4.000	
0070	638.3000	Removing Small Sign Supports	EACH	4.000	4.000	
0072	642.5001	Field Office Type B	EACH	1.000	1.000	
)072	643.0420	Traffic Control Barricades Type III	DAY	1,080.000	1,080.000	

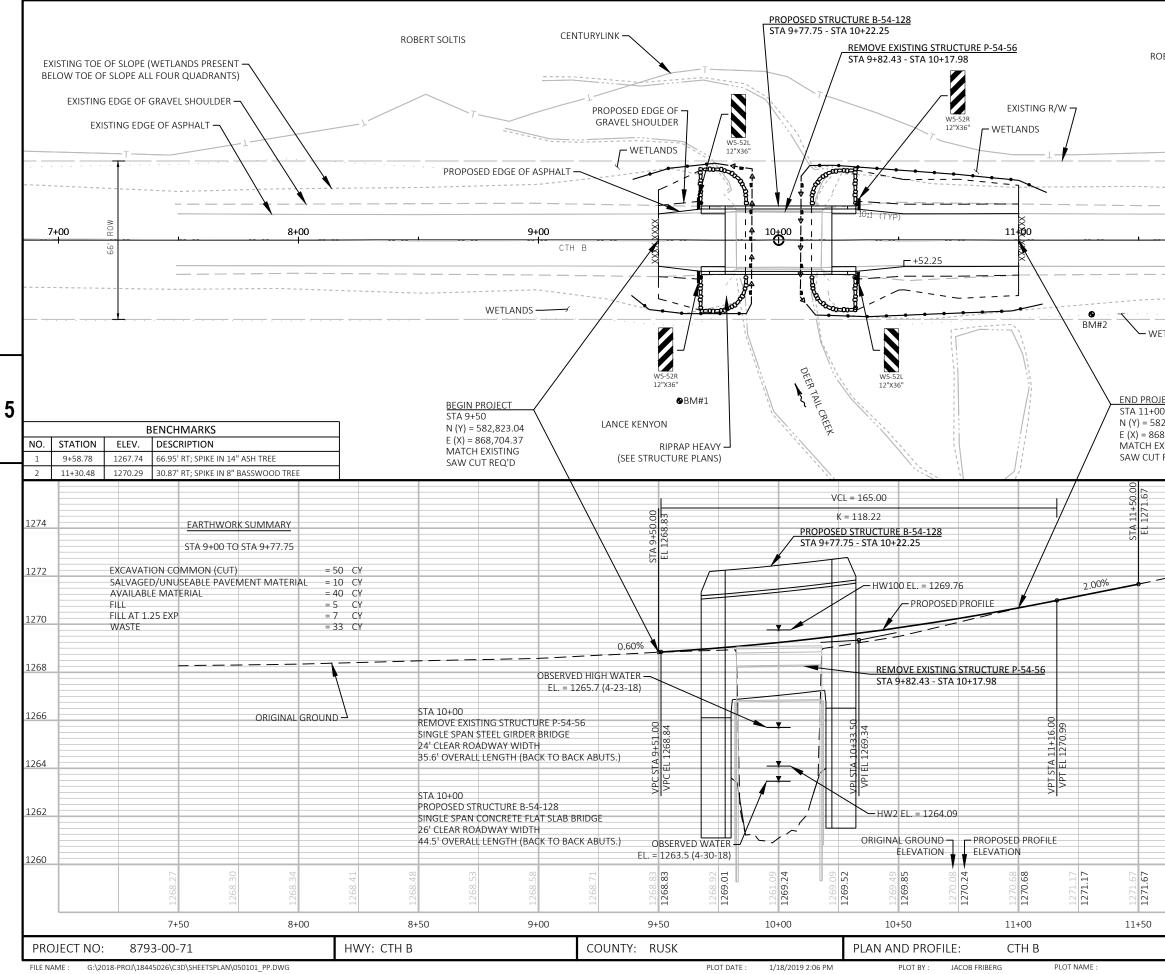
# 09/10/2019 09:28:59 3 Page 1

				E	stimate Of	Quantities
					8793-00-71	
Line	ltem	Item Description	Unit	Total	Qty	
0076	643.0705	Traffic Control Warning Lights Type A	DAY	1,680.000	1,680.000	
0078	643.0900	Traffic Control Signs	DAY	840.000	840.000	
0800	643.5000	Traffic Control	EACH	1.000	1.000	
0082	645.0111	Geotextile Type DF Schedule A	SY	50.000	50.000	
0084	645.0120	Geotextile Type HR	SY	170.000	170.000	
0086	646.1020	Marking Line Epoxy 4-Inch	LF	350.000	350.000	
8800	650.5000	Construction Staking Base	LF	106.000	106.000	
0090	650.6500	Construction Staking Structure Layout (structure) 01. B- 54-128	LS	1.000	1.000	
0092	650.9910	Construction Staking Supplemental Control (project) 01. 8793-00-71	LS	1.000	1.000	
0094	650.9920	Construction Staking Slope Stakes	LF	106.000	106.000	
0096	690.0150	Sawing Asphalt	LF	44.000	44.000	
0098	715.0502	Incentive Strength Concrete Structures	DOL	1,690.000	1,690.000	



0010		- 9+78	20 SIDE	L CAVATION COMMON 05.0100 CY 50	MATERIAL CY 10	CY 40	IEXPANDED FILL = CY 5	= 1.25) <u>CY</u> 7	MASS ORDINATE +/- CY 33	<u>CATEGORY</u> 0010		<u>TO STATIO</u> - 9+78	٦	AVERAGE ASPHALT THICKNESS (IN) 4	-	BASE AGGREGATE DENSE <u>3/4-INCH</u> 305.0110 TON 10	BASE AGGREGATE DENSE <u>1 1/4-INCH</u> 305.0120 TON 65	TACK COAT 455.0605 GAL 5		SAWING ASPHALT 690.0150 LF 22
0010	10+22	- 11+00 TOTA	LT/RT L 0010	110	20 30	90  130	10	13 20	77	0010	10+22	- 11+00	LT/RT	4 тот	2 AL 0010	30 40	185 250	15 20	45 65	22 44
	_	ATEGORY 0010 0010 0010 0010	B-54-128 B-54-128 B-54-128 B-54-128	TOPS 625.0 SY SE 35 SW 35 NE 11	OIL     TYPE       0500     628.20       (     SY       5     35       5     35       5     115       5     115	N I FERTILIZ <u>B TYPE B</u> 008 629.021 <u>CWT</u> 0.05 0.05 0.10 0.10	20	0				_	ATEGORY 0010 0010 0010 0010 0010	LOCATION B-54-12 B-54-12 B-54-12 B-54-12 UNDISTRJ TOTAL	62 8 SE 28 SW 28 NE 28 NE 28 NW	FENCE MA: 8.1504 6 LF 50 35 95 100 70	LT FENCE TU <u>INTENANCE B</u> 28.1520 6; LF 50 35 95 100 70 350	ARRIER		
	CATEGORY	STATION	SIDE	x 12 FT	SIGNS TYPE II REFLECTIV F 637.2230 SF	E SIGNS TYPE II	SMALL SIG	5N 5 )	š	CATEGOR	Y DAYS	BAR TY	IC CONTRO RICADES PE III 3.0420 DAYS	WARNING	G LIGHTS PE A .0705	TRAFFIC CONTROL SIGNS 643.0900 # DAYS	-	REMA	RKS	
	0010 0010 0010 0010	9+68 9+68 10+32 10+32		1 1 1 1		1 1 1 1 1			_	0010 0010 0010 0010	60 60 60 TOTAL 00	5 5 4 4	300 300 240 240 1,080	6 6 8 8	360 360 480 480 1,680			D DETAIL D OAD CLOSED		
CATEGORY	STATION TO	) STATION	_	ARKING LIN EPOXY 4-INCH 646.1020 LF		H, 4-IN	DXY NCH, LOW	REMAR	RKS							CONSTRUC STAKING 650.50	TION STAKIN BASE STA	RUCTION G SLOPE AKES .9920		
0010 0010 0010	9+50 - 9+50 - 9+50 -	11+00 11+00	LT RT CL	150 150 50	150 150 -	5	- RT V 0 YELI	WHITE EDG WHITE EDG LOW CENTE				<u>_</u>	ATEGORY 0010 0010	9+50 10+22	- 9+78 - 11+00	N LF 28 78	2 7	_F 28 78		
		тот	AL 0010	350	300	5	0								TOTAL 001	100 106	1	06		

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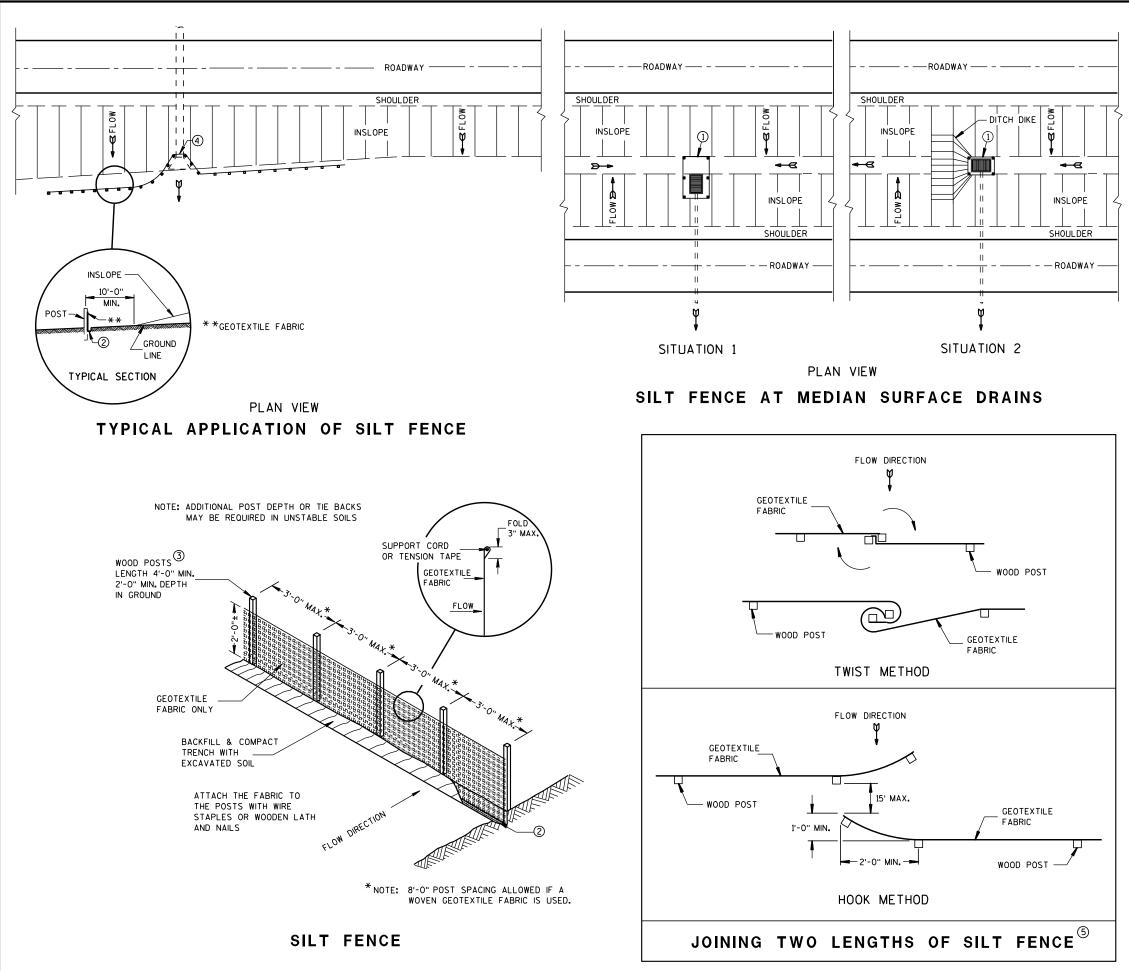


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LANCE KENYON	EI	ROSION CON	TROL LEGEND		
ECT ) 2,973.04 3,703.44 KISTING		SLOPE IN	OR STONE DITCH	СНЕСК	5
REQ'D	PLACE EROS	SION MAT URBAN	CLASS I TYPE B ON A	ALL SLOPES	
				1274	
				1272	
	EARTHWOR	RK SUMMARY		1270	
EXCAVATION C		5 TO STA 11+00	= 110 CY	1268	
SALVAGED/UN AVAILABLE MA FILL FILL AT 1.25 EX WASTE	TERIAL	MENT MATERIAL	= 20 CY = 90 CY = 10 CY = 13 CY = 77 CY	1266	
				1264	
				1262	
1272.22	1273.34	1273.93	1274.62	1260	
	+00	12+50			
PLOT SCAL	E: ########	SHEI		T/CADDS SHEFT 44	

# Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-07В	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15С11-07В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



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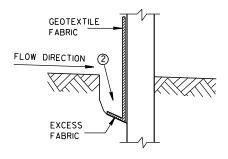
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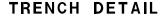
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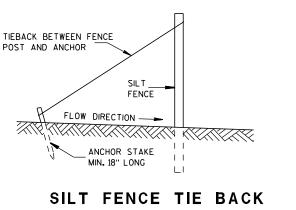
#### **GENERAL NOTES**

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

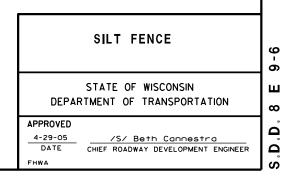
- $\textcircled{\sc 1}$  horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED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

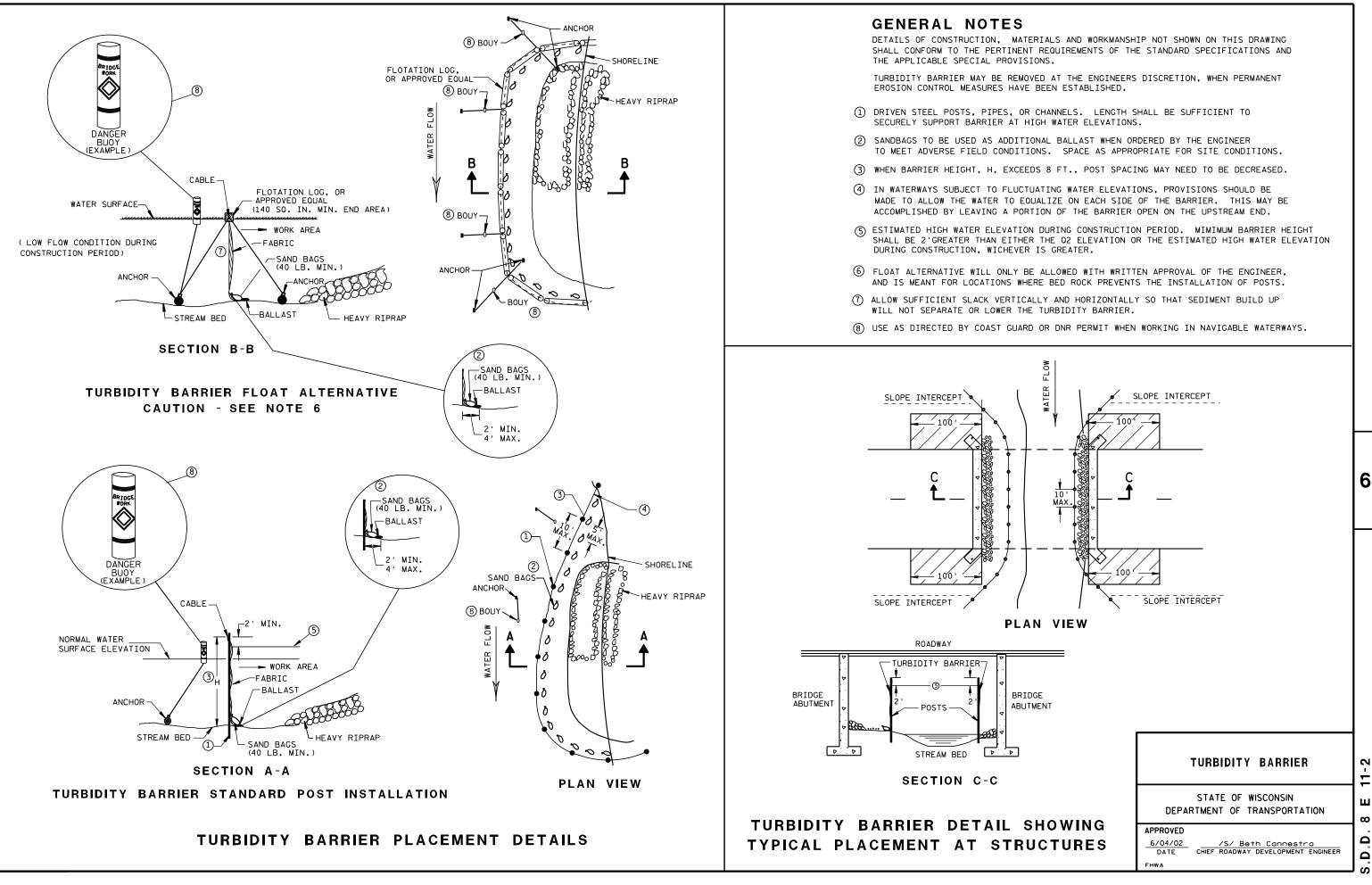






(WHEN REQUIRED BY THE ENGINEER)

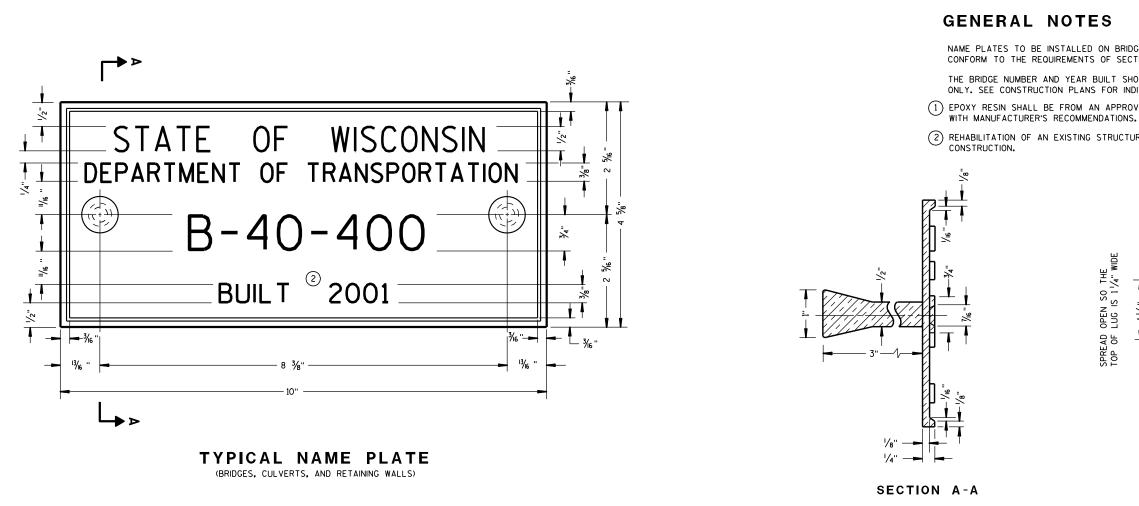


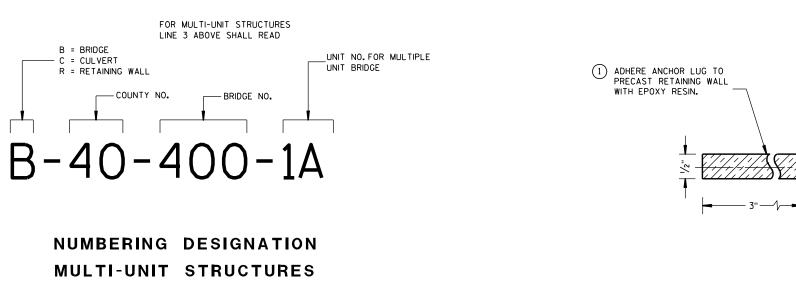


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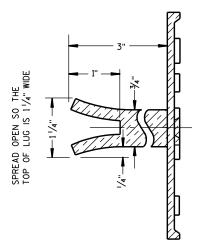




NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

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

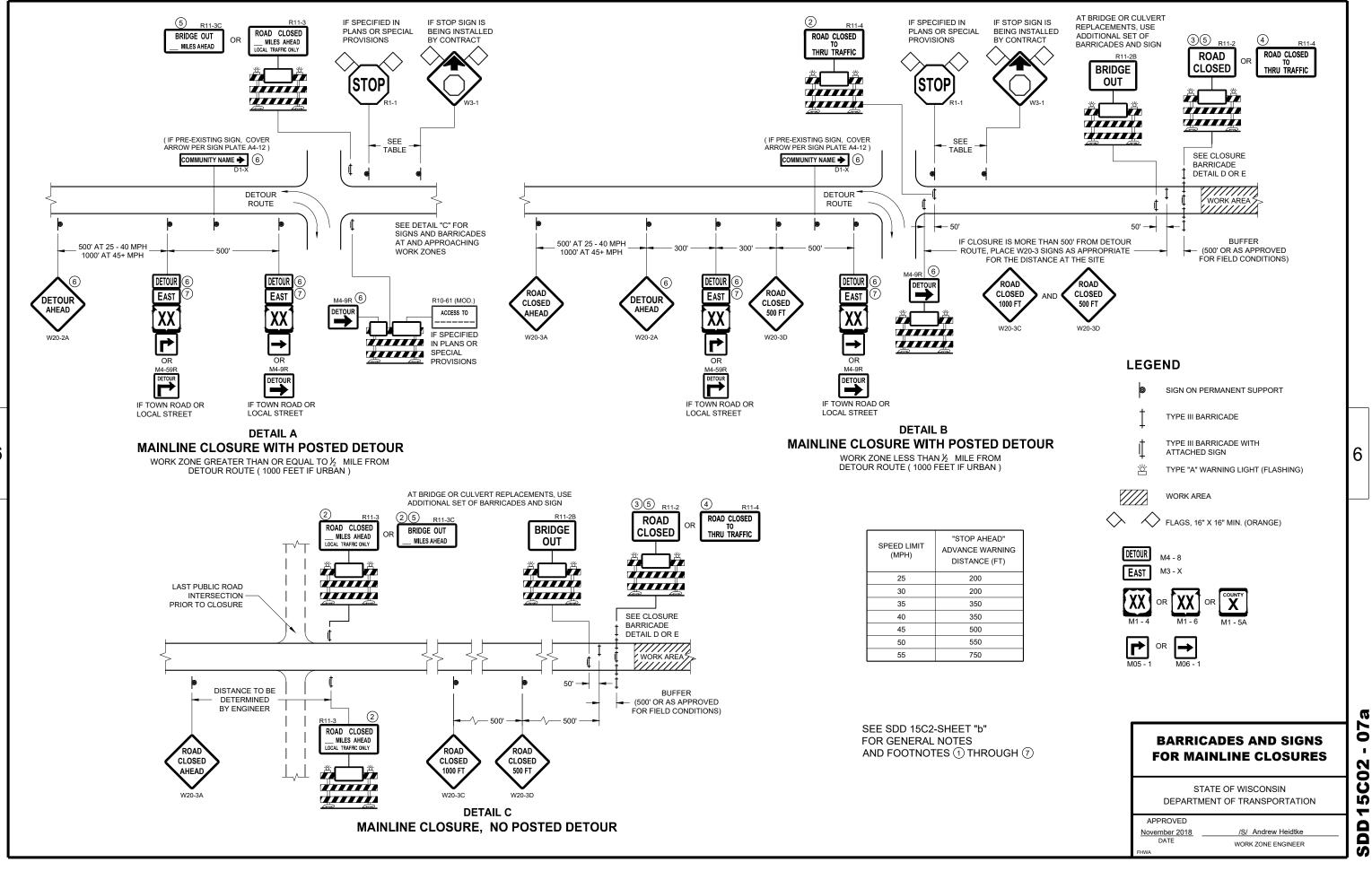
3/26/10 DATE FHWA

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

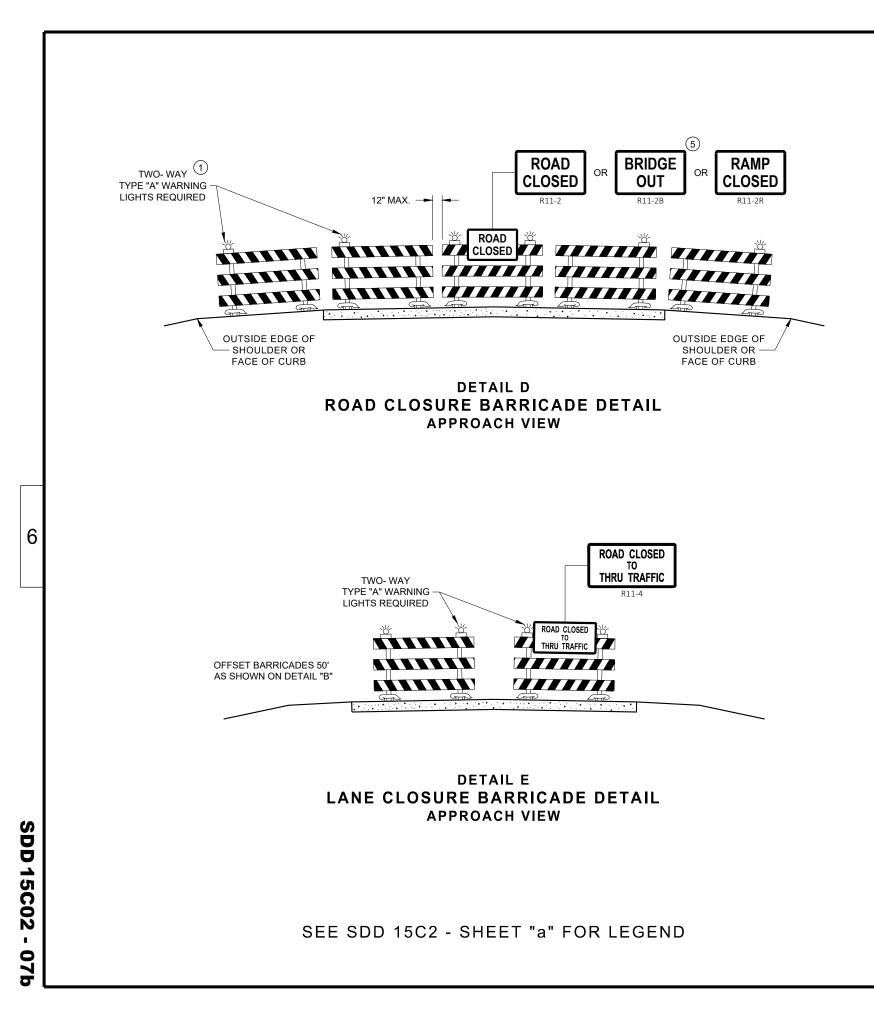
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#### **GENERAL NOTES**

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

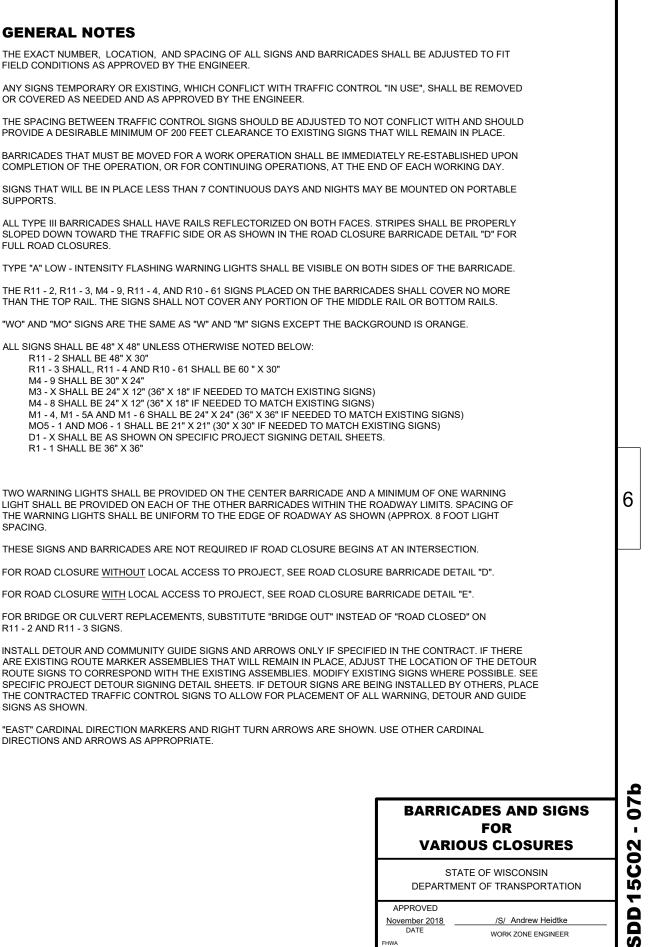
FULL ROAD CLOSURES.

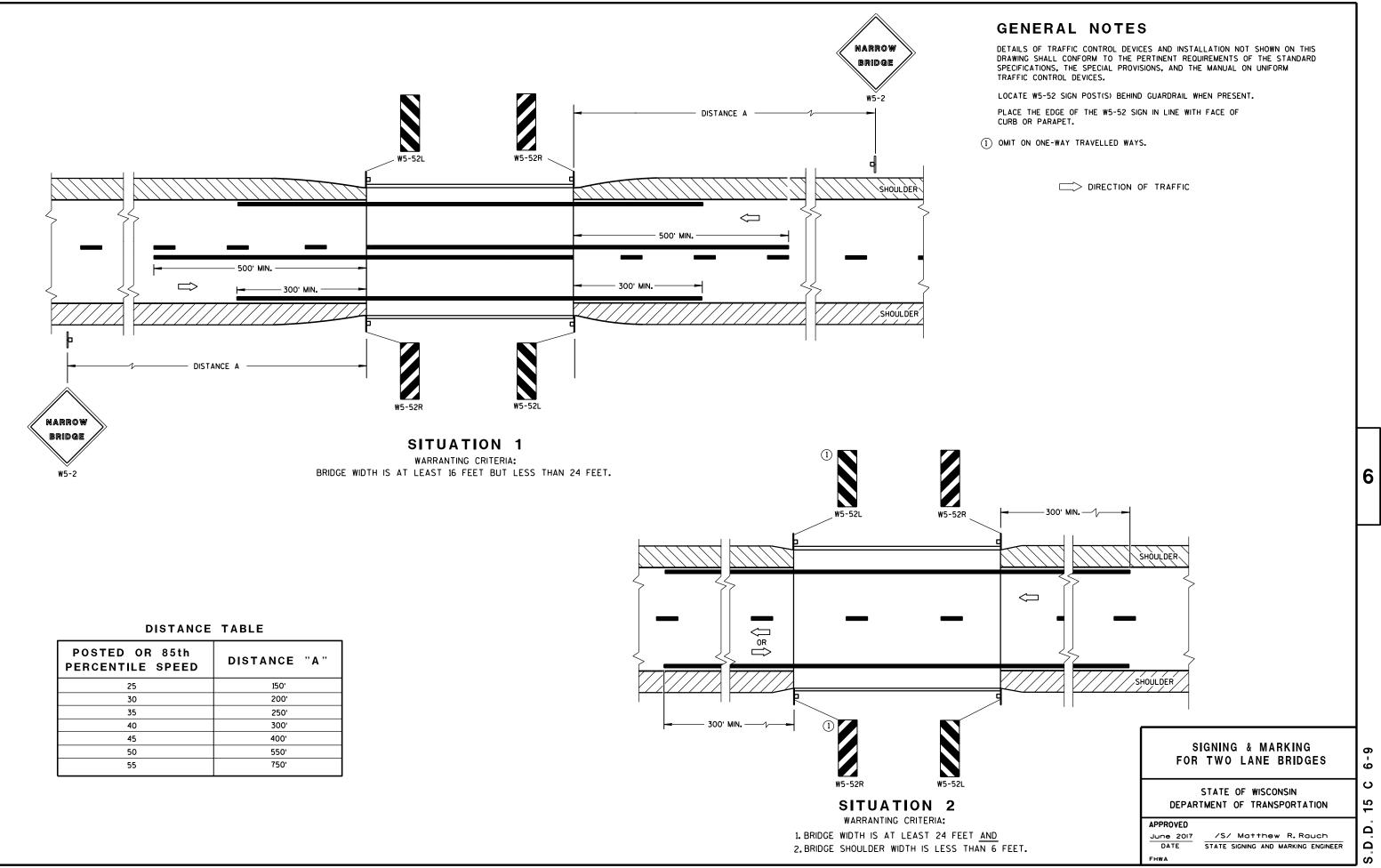
THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

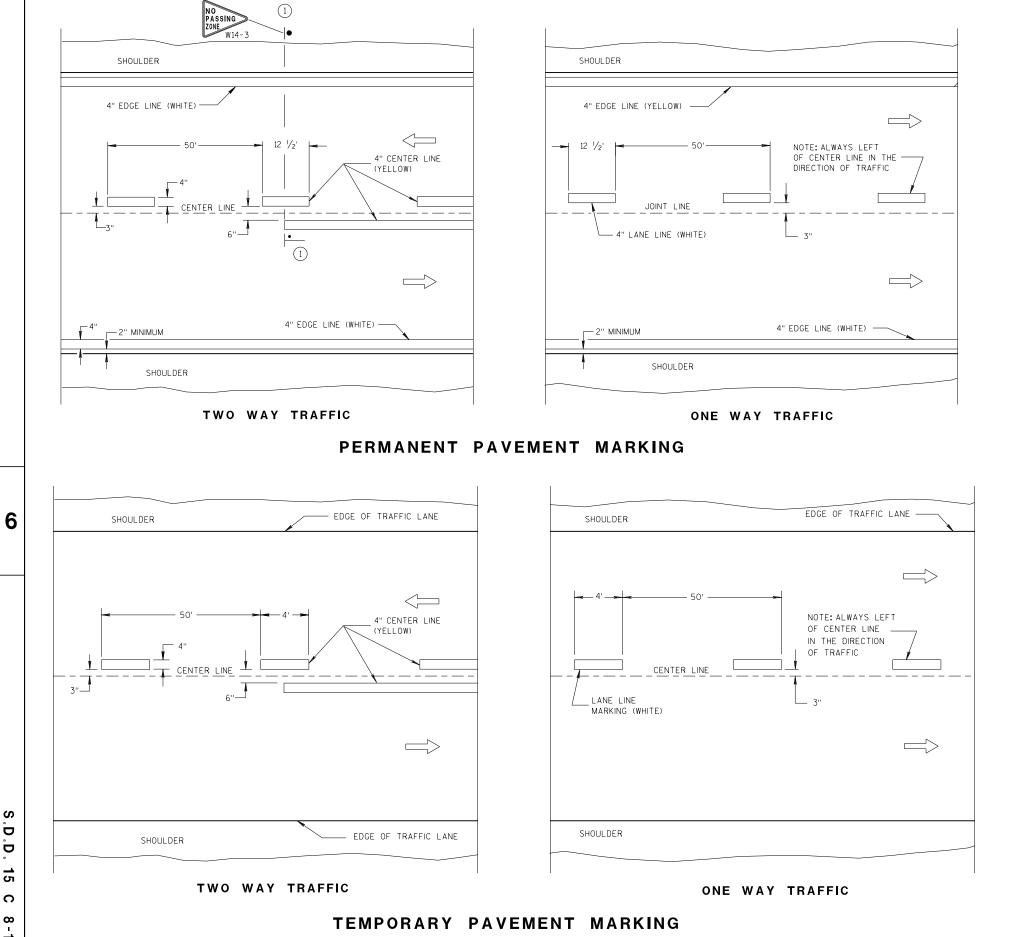
- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11 - 2 SHALL BE 48" X 30"
  - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " X 30" M4 - 9 SHALL BE 30" X 24"
  - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
  - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING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





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#### **GENERAL NOTES**

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

#### LEGEND

"T" MARKING

POST MOUNTED SIGN

6

#### LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

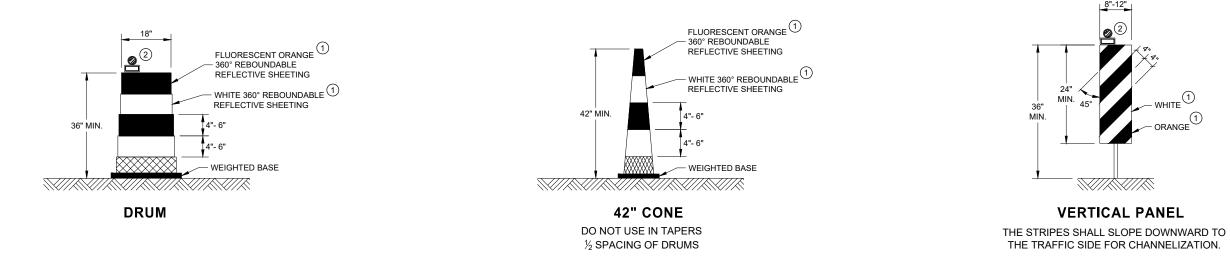
7/2018 /S/ Matthew R. Rauch DATE STATE SIGNING AND MARKING ENGINEER

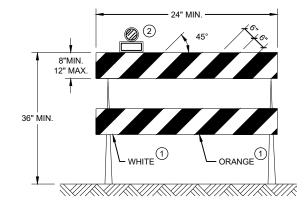
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#### **GENERAL NOTES**

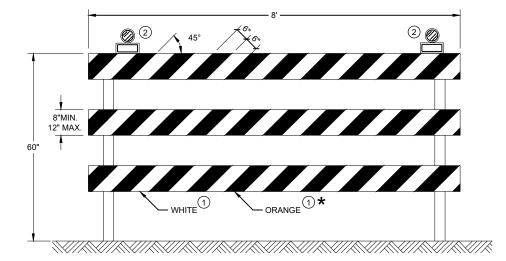
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





**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.

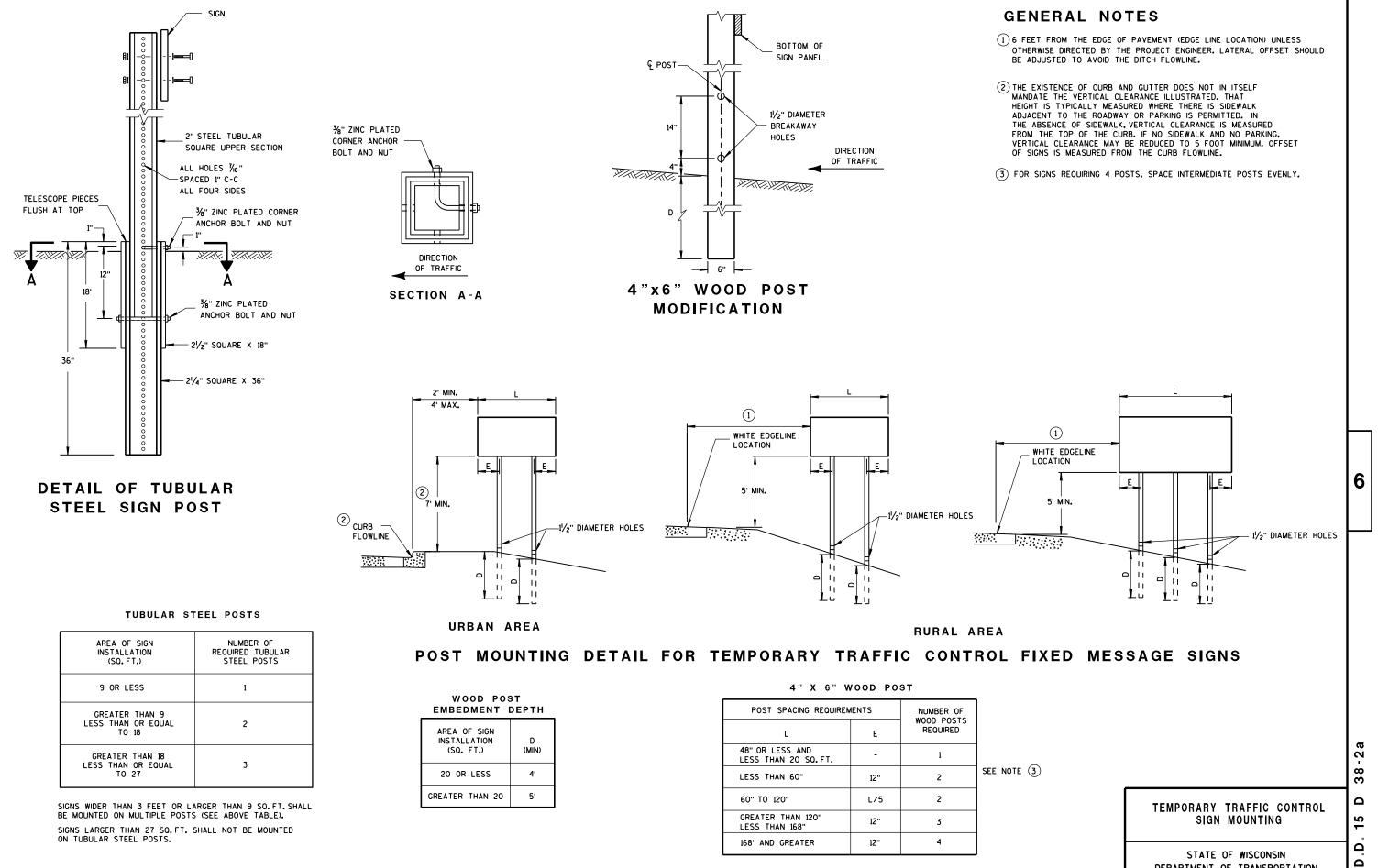
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#### **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES** AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED June 2017 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER



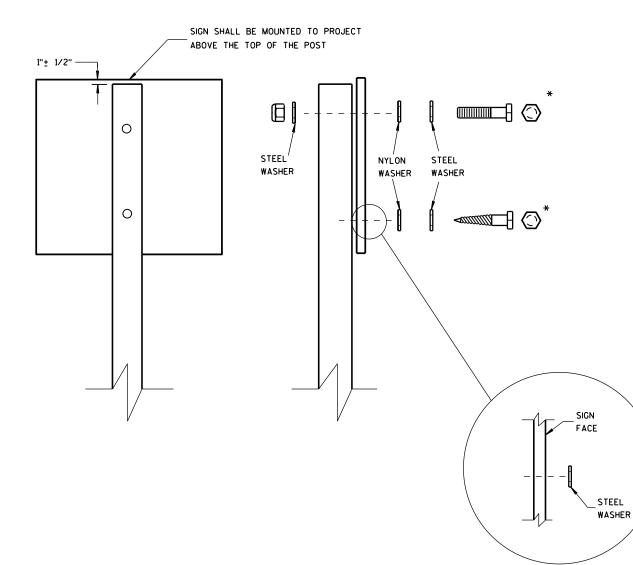
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DEPARTMENT OF TRANSPORTATION

S



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

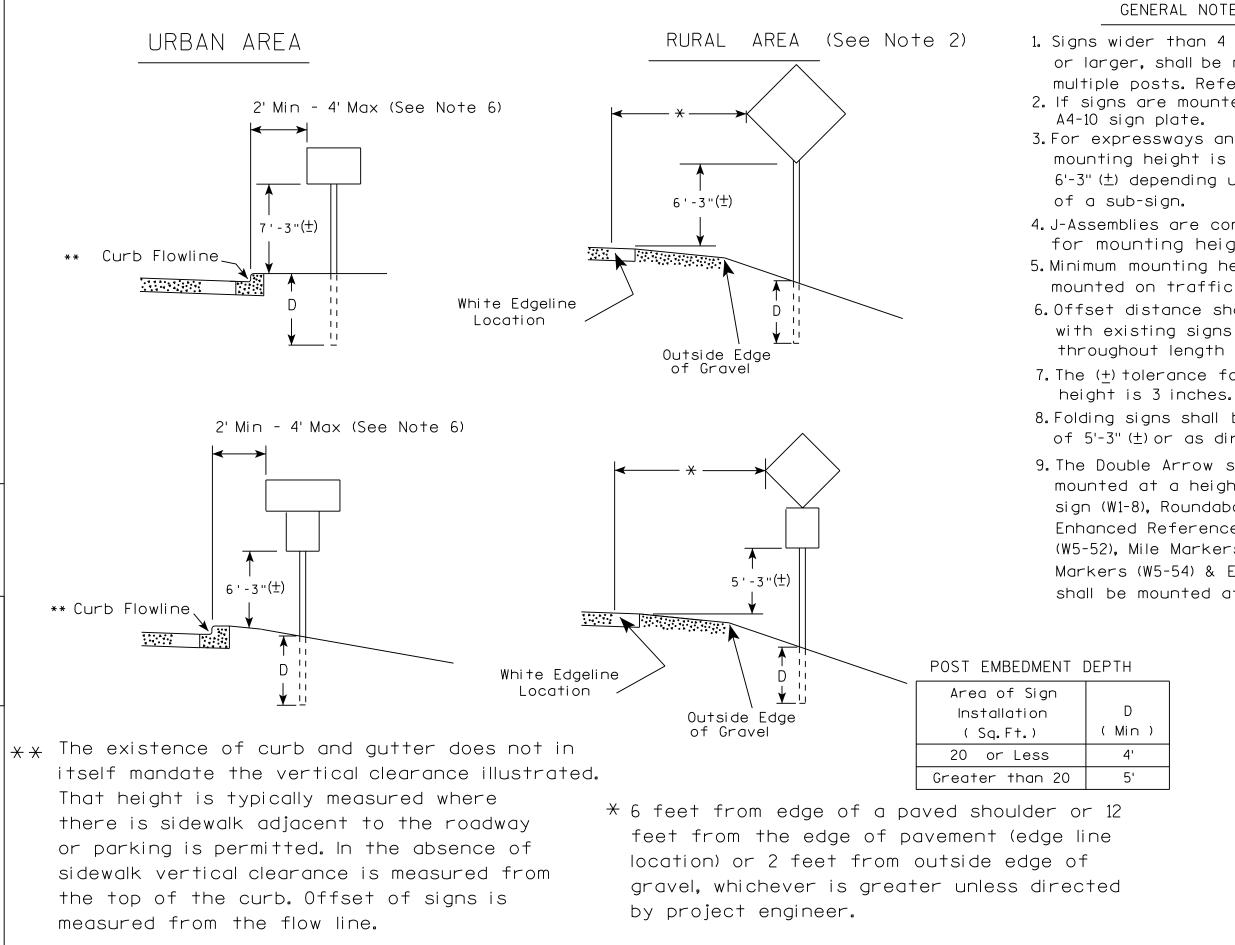
NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER: A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3 B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3 THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS. WOOD POSTS (4" x 4" or 4" x 6") LAG SCREWS - 3/8" X 3" MACHINE BOLTS - 5/6" X 6-1/2" OR 7" LENGTH W/ NUTS SOUARE STEEL POSTS (2" x 2") MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS RIVETS - 3/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL 0.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH WASHERS (ALL POSTS) -1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL 1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS * TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER

OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SO. FT. REQUIRE THE USE OF 3 FASTENERS.

AT.	TACHMENT OF SIGNS TO POSTS
-	TATE OF WISCONSIN MENT OF TRANSPORTATION
APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

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PROJECT NO:	HWY:	COUNTY:	

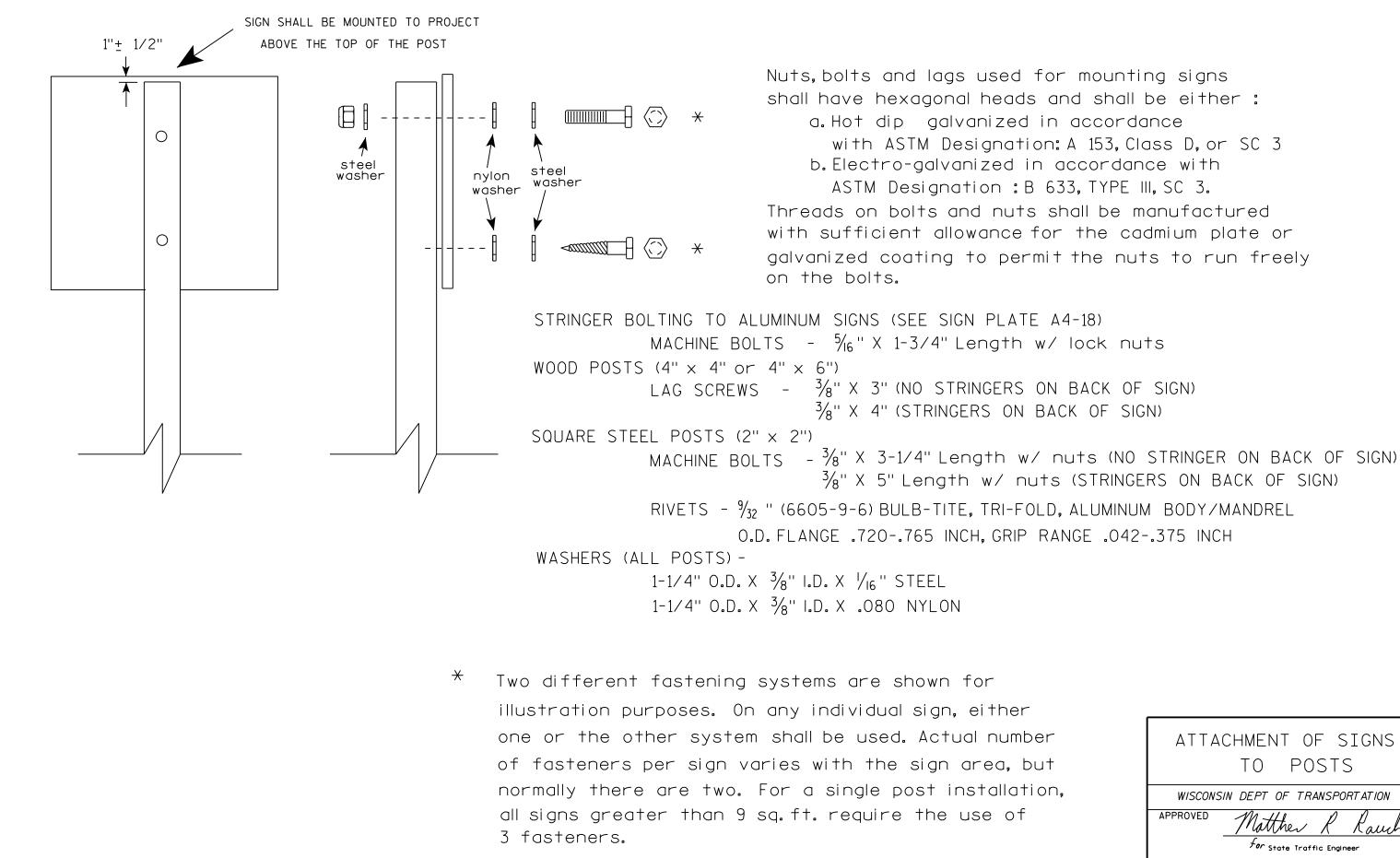
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

7

PLOT DATE : 21-AUG-2017 16:04 PLOT BY : \$\$...plotuser...\$\$ PLOT 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 barrier wall, see 3. For expressways and freeways, mounting height is 7'- 3" ( $\pm$ ) or  $6'-3''(\pm)$  depending upon existence 4. J-Assemblies are considered to be one sign for mounting height. 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (±). 6. Offset distance shall be consistent with existing signs or consistent throughout length of project. 7. The (+) tolerance for mounting 8. Folding signs shall be mounted at a height of  $5'-3''(\pm)$  or as directd by the Engineer. 9. The Double Arrow sign (W12-1) shall be mounted at a height of  $2'-3''(\pm)$ . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of  $4'-3''(\pm)$ . TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS WISCONSIN DEPT OF TRANSPORTATION APPROVED Matthew & Raus for State Traffic Engineer DATE 8/21/17 SHEET NO: Ε PLOT SCALE : 100.601251:1.000000 WISDOT/CADDS SHEET 42



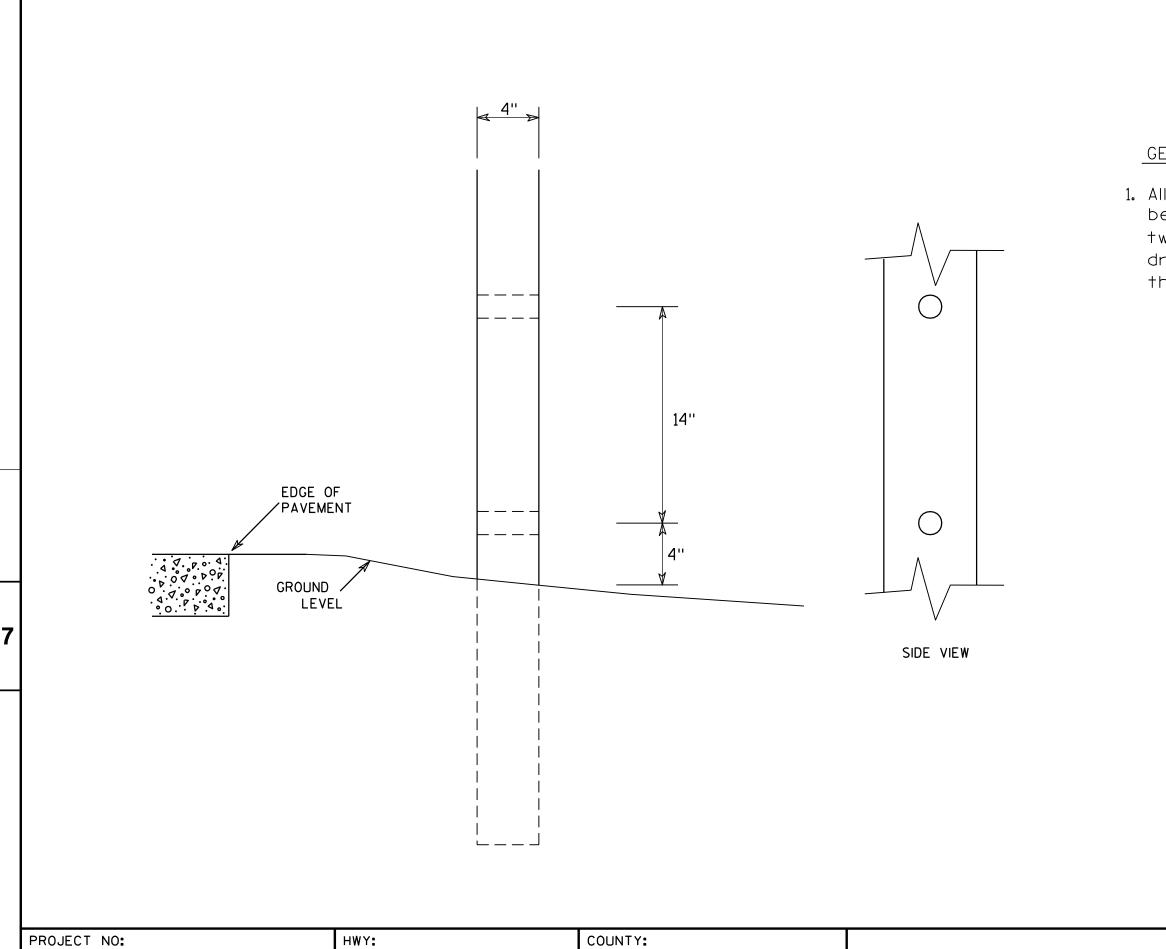
PROJECT NO:

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with ASTM Designation: A 153, Class D, or SC 3

 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

er	ATTACHMENT OF SIGNS
1+	TO POSTS
)n,	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew R Rauch
	for State Traffic Engineer
	DATE <u>8/11/16</u> PLATE NO. <u>A4-8.8</u>
	SHEET NO: E

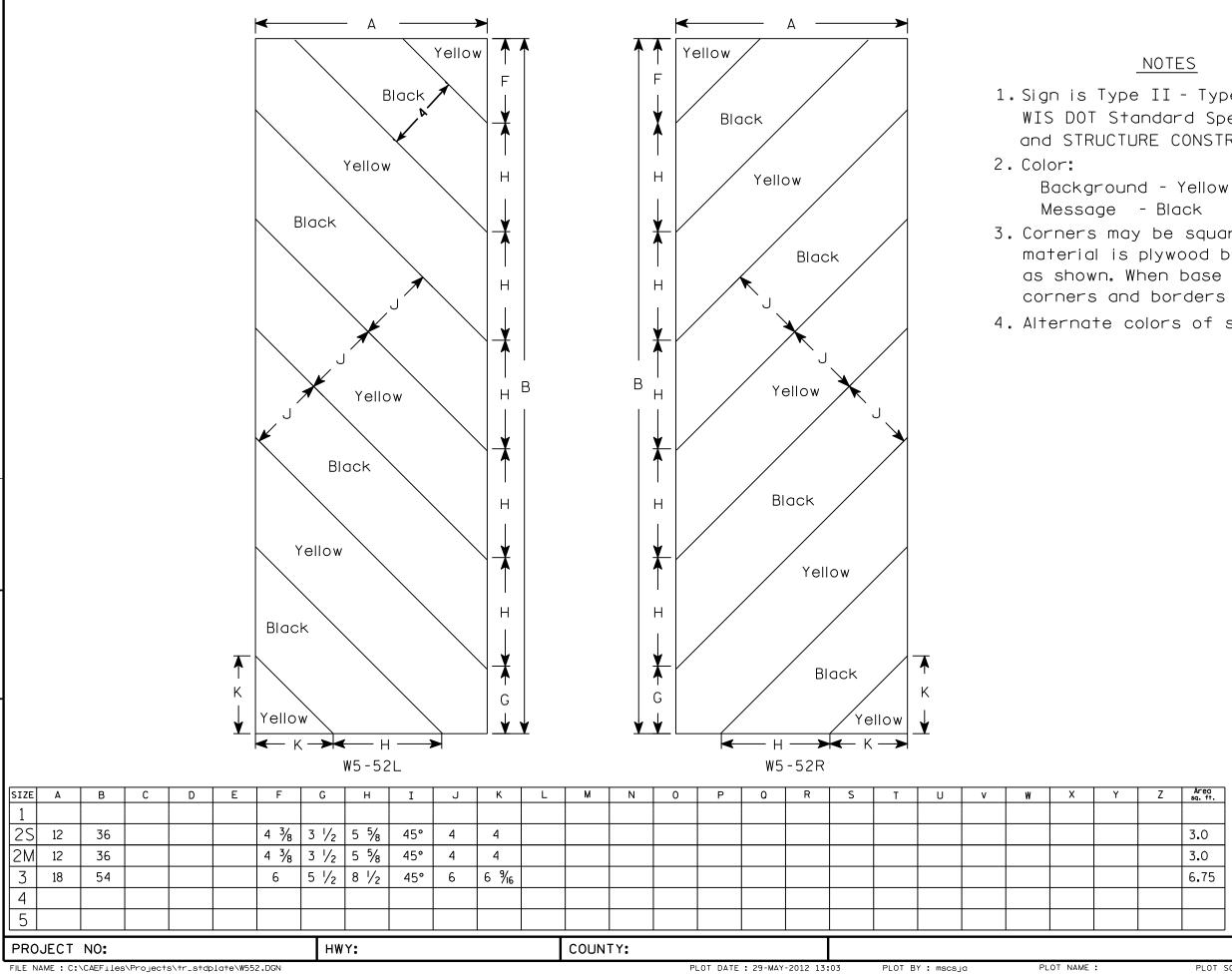


FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

# 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	Х	6	WOO	DF	POST	
	MODIFICATIONS						
	WISCONSIN DEPT OF TRANSPORTATION						
	APPROVE	D		nester .	Γź	Spang	
			tor	State Tr	affic E	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE N	D. <u>44-11</u>	2
				SHEET	N0:		E
OT SCALE	E:6.20 <b>7</b> 33	8:1.0000	000	WISD	от/с	ADDS SHE	ET 42



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

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PLOT DATE : 29-MAY-2012 13:03

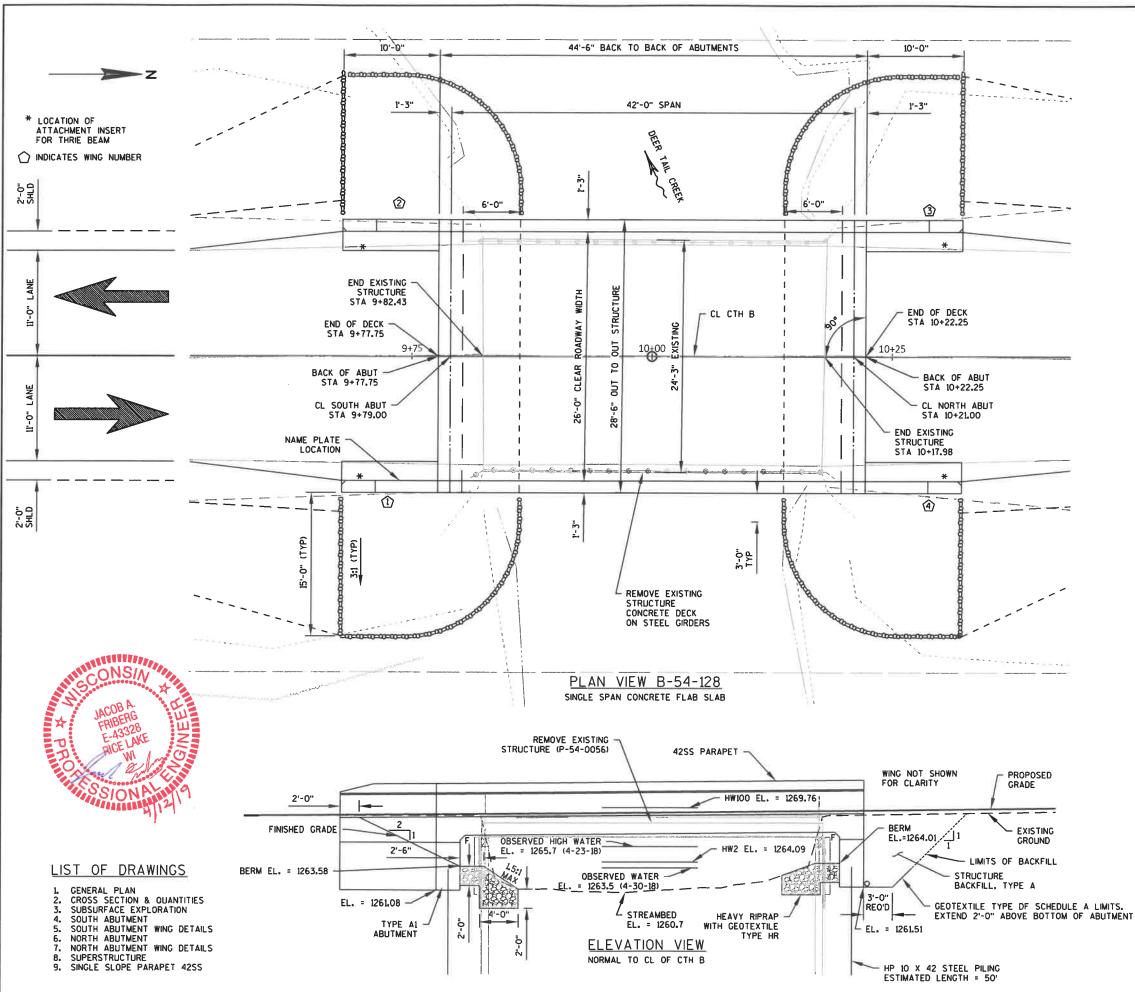
PLOT NAME :

# 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.

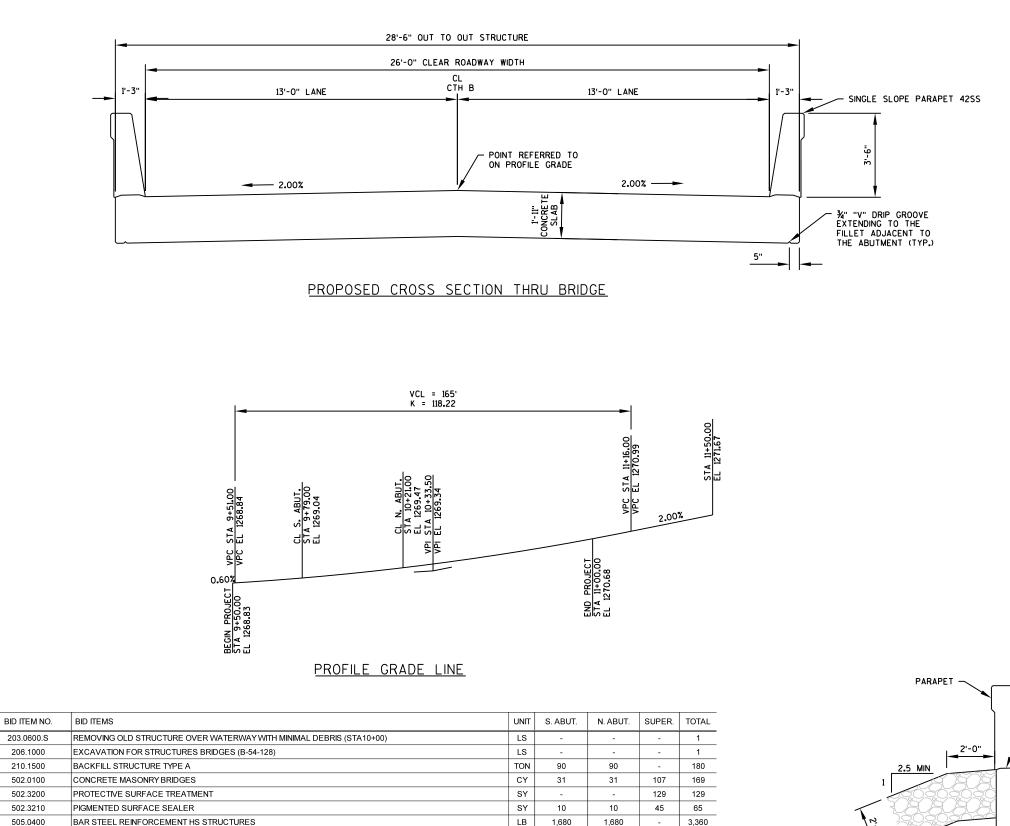
Z	Area sq. ft.	STANDARD SIGN
		W5-52L & W5-52R
	3.0	
	3.0	WISCONSIN DEPT OF TRANSPORTATION
	6.75	APPROVED Matthew R Rauch
		for State Traffic Engineer
		DATE 5/29/12 PLATE NO. W5-52.9
		SHEET NO: E
	PLOT S	SCALE : 4.961899:1.000000 WISDOT/CADDS SHEET 42



STATE PROJECT NUMBER

#### 8793-00-71

DESIGN DATA LIVE LOADS: DESIGN LOADING = HL-93 INVENTORY RATING FACTOR = 1.06 OPERATING RATING FACTOR = 1.38 MAX. STD. PERMIT VEHICLE LOAD = 250 KIPS STRUCTURE IS DESIGNED FOR FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT MATERIAL PROPERTIES: CONCRETE MASONRY SLAB & PARAPETS------ F'C = 4,000 PSI BAR STEEL REINFORCEMENT (GRADE 60) ------ FY = 60,000 PSI CONCRETE MASONRY OTHER ----- F'C = 3,500 PSI FOUNDATION DATA ABUTMENTS TO BE SUPPORTED ON HP 10 X 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 140 TONS* (MIN) PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 50'-0" LONG. * THE FACTOR AXIAL RESISTANCE OF THE PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING THE MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY. TRAFFIC DATA A.D.T. (2015) = 141 A.D.T. (2035) = 155 R.D.S. = 55 MPH HYDRAULIC DATA 100 YEAR FREQUENCY Q100 = 1370 CFS VEL. = 6.3 FPS HW100 ELEV. = 1269.76 WATERWAY AREA = 203 SF DRAINAGE AREA = 10.2 SQ.MI. SCOUR CODE = 8 2 YEAR FREQUENCY Q2 = 315 CFS VEL. = 4.0 FPS HW2 ELEV. = 1264.09 ROAD OVERTOPPING FREQUENCY FREQUENCY = 50 YEARS Q50 = 1195 CFS HW100 ELEV. = 1268.70 CONTACTS BRIDGE OFFICE: CONTACT: WILLIAM DREHER PHONE: (608) 266-8489 CONSULTANT: CONTACT: COOPER ENGINEERING PHONE: (715) 234-7008 NO. DATE REVISION ΒY COOPER RICE LAKE, WISCONSIN 54668-0230 ENGINEERING FAX (715) 234-1025 8 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ACCEPTED William C. Drehen SDR 05/06/19 CHIEF STRUCTURES DESIGN ENGINEER DATE STRUCTURE B-54-128 CTH B BRIDGE OVER DEER TAIL CREEK COUNTY TOWN/CITY/VILLAGE TRUE RUSK DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS DESIGNED JF CK'D. SP BY JF CK'D. SP SHEET 1 OF GENERAL PLAN



1,910

5

250

55

90

2

25

85

28.5

LF

1,910

5

250

55

90

2

25

85

28.5

19,640

23,460

10

500

110

180

4

50

170

57

END OF ABUTMEN HEAVY RIPRAP WITH GEOTEXTILE TYPE HR

TYPICAL FILL SECTION AT WING TH

203.0600.S 206.1000 210.1500 502.0100 502.3200 502.3210 505.0400 BAR STEEL REINFORCEMENT HS STRUCTURES LB 505.0600 BAR STEEL REINFORCEMENT HS COATED STRUCTURES LB 516.0500 RUBBERIZED MEMBRANE WATERPROOFING SY 550.1100 PILING STEEL HP 10-INCH X 42 LB LF 606.0300 RIPRAP HEAVY CY 612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF 614.0150 ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD ΕA 645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY 645.0120 GEOTEXTILE TYPE HR SY

8

NON-BID ITEM

4" X 3/4" PERFORMED JOINT FILLER

STATE	PROJECT	NUMBER

#### 8793-00-71

GENERAL NOTES

DRAWINGS SHALL NOTE BE SCALED.

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

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

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

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-54-0128" SHALL BE THE EXISTING GROUNDLINE.

BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

AT THE BACKFACE OF THE ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURAL BACKFILL.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-O" ABOVE BOTTOM OF ABUTMENT.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP SURFACE OF THE SLAB.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE FRONT FACE AND TOP SURFACES OF THE PARAPETS.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW NEW BRIDGE AND CURRENT CONSTRUCTION YEAR.

ALL STATIONS AND ELEVATIONS ARE IN FEET.

ELEVATIONS SHOWN ON THE PLANS ARE REFERENCES TO THE NORTH AMERICAN VERTICAL DATUM 1983 (NAVD83).

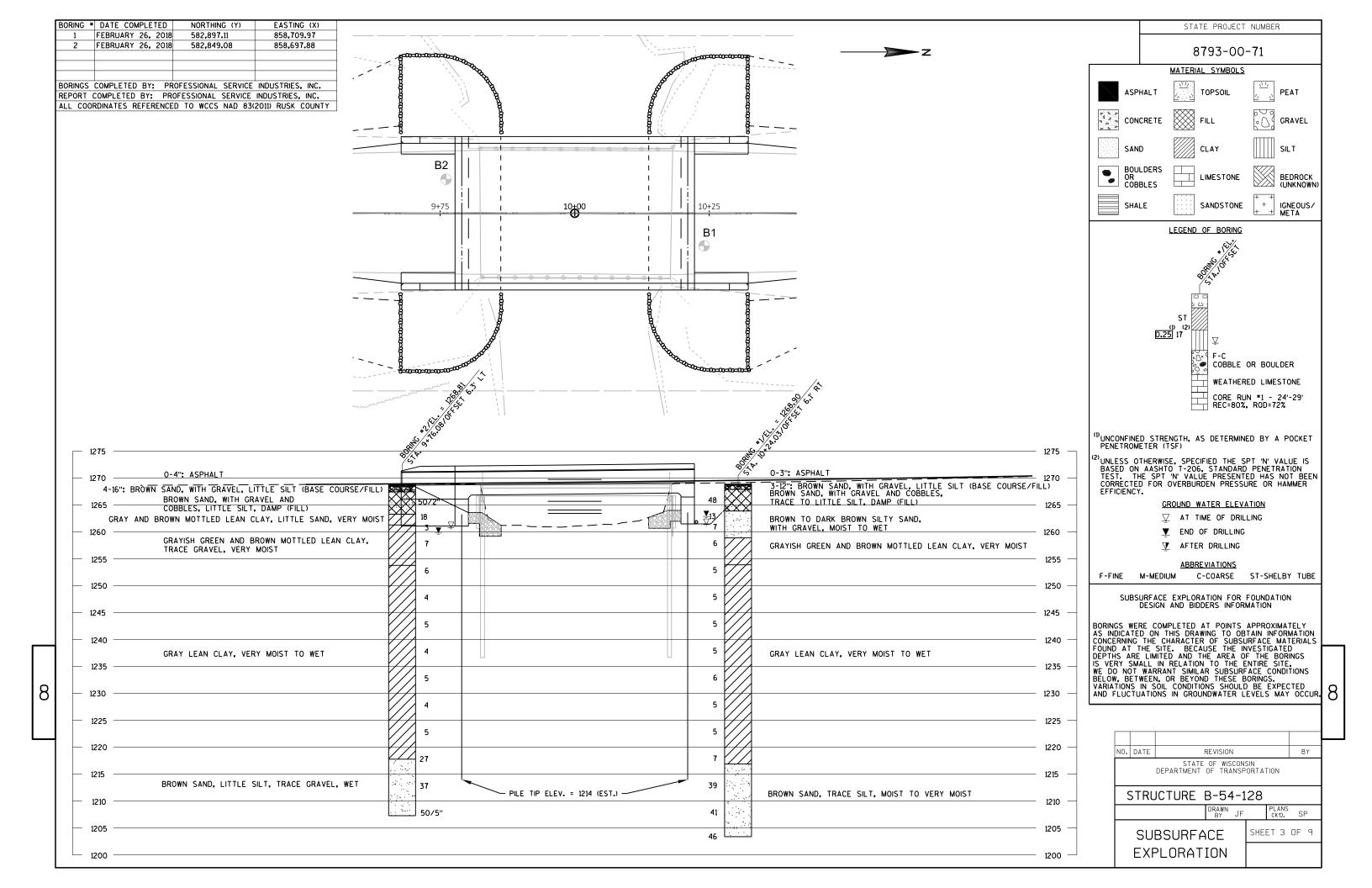
THE COORDINATE SYSTEM FOR THIS PROJECT IS WISCONSIN COUNTY COORDINATE SYSTEM (WCCS) - RUSK COUNTY.

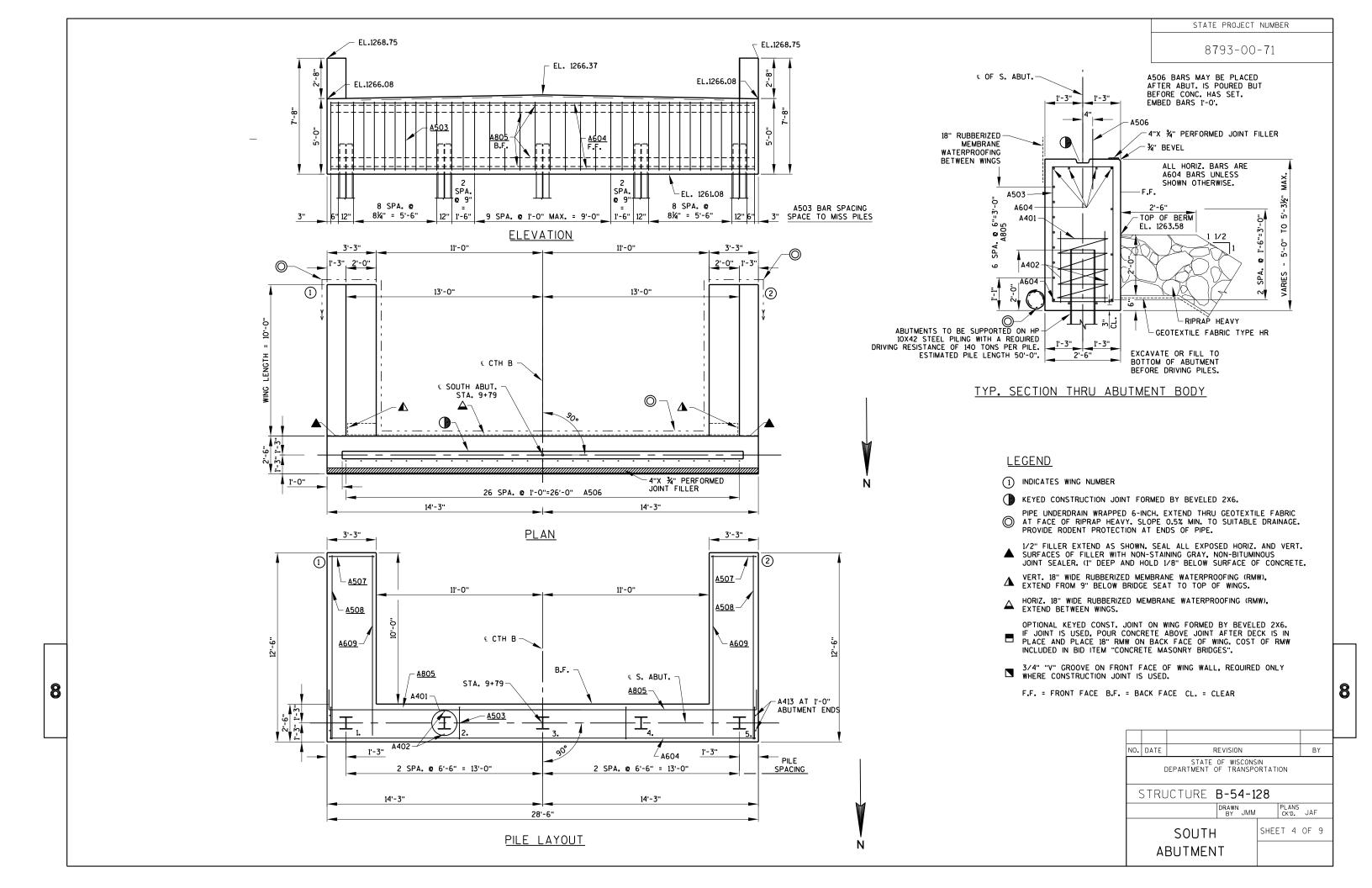
	BENCHMARKS					
NO. STATION ELEV. DESCRIPTION			DESCRIPTION			
1	9+58.78	1267.74	66.95' RT; SPIKE IN 14" ASH TREE			
2	11+30.48	1270.29	30.87' RT; SPIKE IN 8" BASSWOOD TREE			

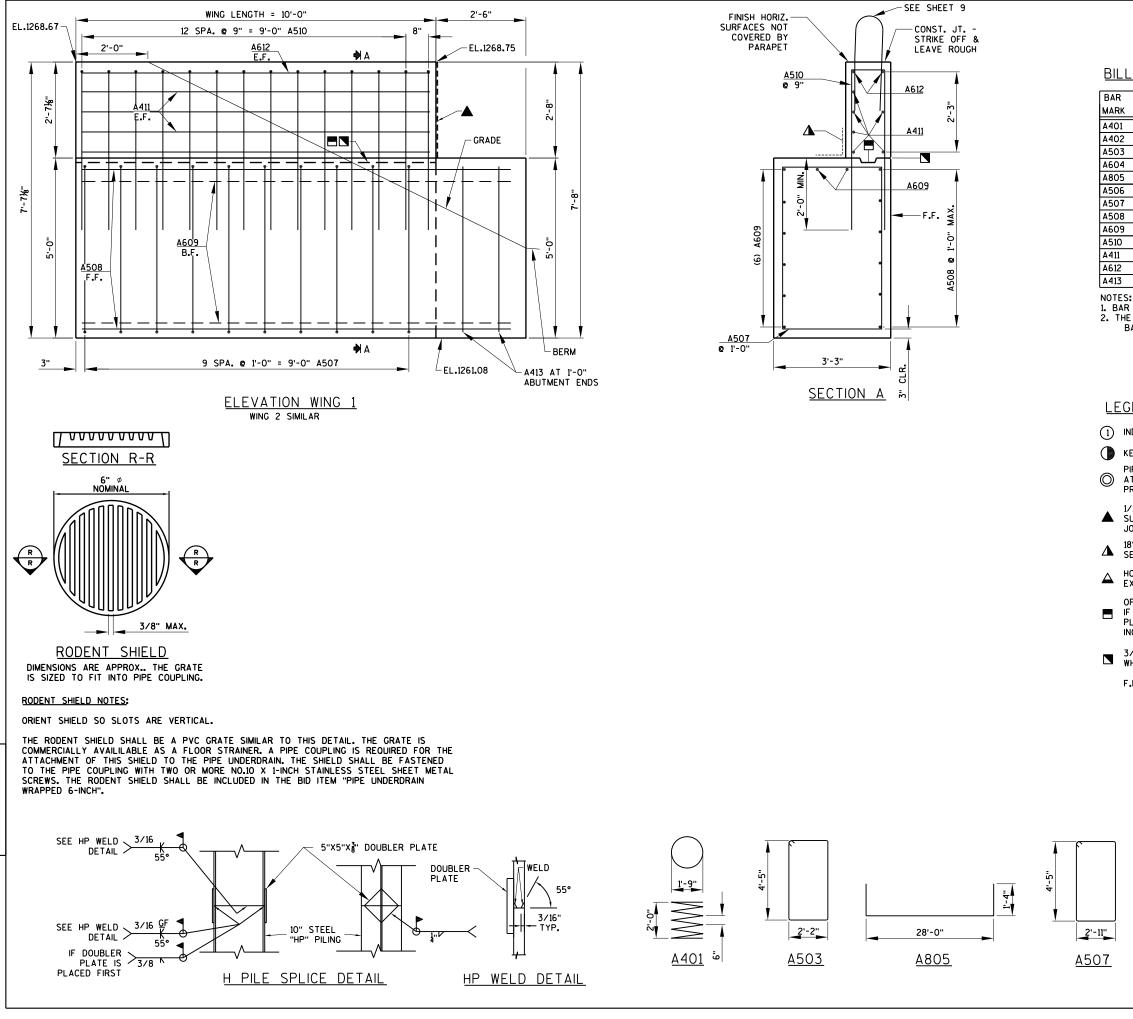
- PLACE	HEAVY	RIPRA	P
EVEN 1	NITH TO	P OF	WING,
2 FEET	F FROM	WING	TIP
— ТОР		3	

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r wing							
	N0.	DATE		REVISION		BY	
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION						
<u>PS</u>	STRUCTURE B-54-128						
				DRAWN BY JF	PLANS CK'D.	SP	
	C	ROS	SS SE	CTION	SHEET 2	OF 9	
	A	ND	QUAN	TITIES			







STATE PROJECT NUMBER

8793-00-71

#### BILL OF BARS

(	COAT	NO. REO'D	LENGTH	BENT	BAR SERIES	LOCATION
		5	28'-0"	х		ABUT. BODY @ PILES
		10	2'-3"			ABUT. BODY @ PILES
5		36	13'-10"	Х		ABUT. BODY VERT.
-		10	28'-0"			ABUT. BODY HORIZ.
5		7	30'-3"	Х		ABUT. BODY HORIZ. B.F.
<u></u>		27	2'-0"			ABUT. BODY DOWELS
	Х	20	15'-4''	Х		WINGS VERT.
3	Х	12	12'-0"			WINGS HORIZ. F.F.
)	Х	16	12'-0''			WINGS HORIZ. B.F.
	Х	28	9'-11"	Х		WINGS VERT.
	Х	12	9'-8"			WINGS HORIZ. E.F.
	Х	4	9'-8"			WINGS HORIZ. E.F. TOP
		4	4'-5"			ABUT. BODY VERT. ENDS

BAR TABLE APPLIES TO SOUTH ABUTMENT ONLY.
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

#### LEGEND

#### 1 INDICATES WING NUMBER

() KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2X6.

PIPE UNDERDRAIN WRAPPED 6-INCH. EXTEND THRU GEOTEXTILE FABRIC AT FACE OF RIPRAP HEAVY. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. PROVIDE RODENT PROTECTION AT ENDS OF PIPE.

1/2" FILLER EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZ. AND VERT. ▲ SURFACES OF FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.

18" WIDE RUBBERIZED MEMBRANE WATERPROOFING (RMW), ▲ SEAL ALL HORIZ. AND VERT. JOINTS ON BACKFACE OF ABUTMENT.

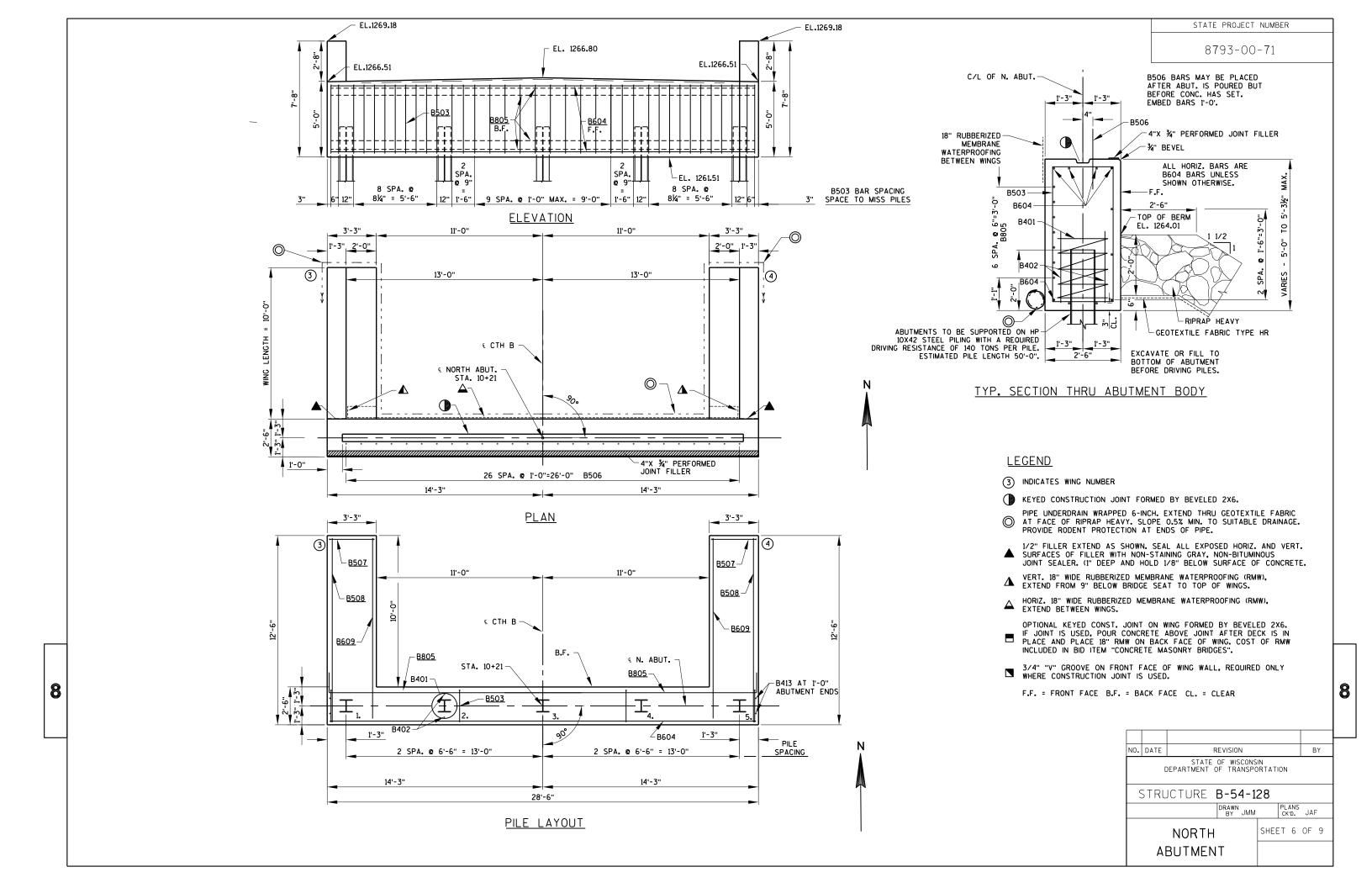
HORIZ. 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING (RMW). EXTEND BETWEEN WINGS.

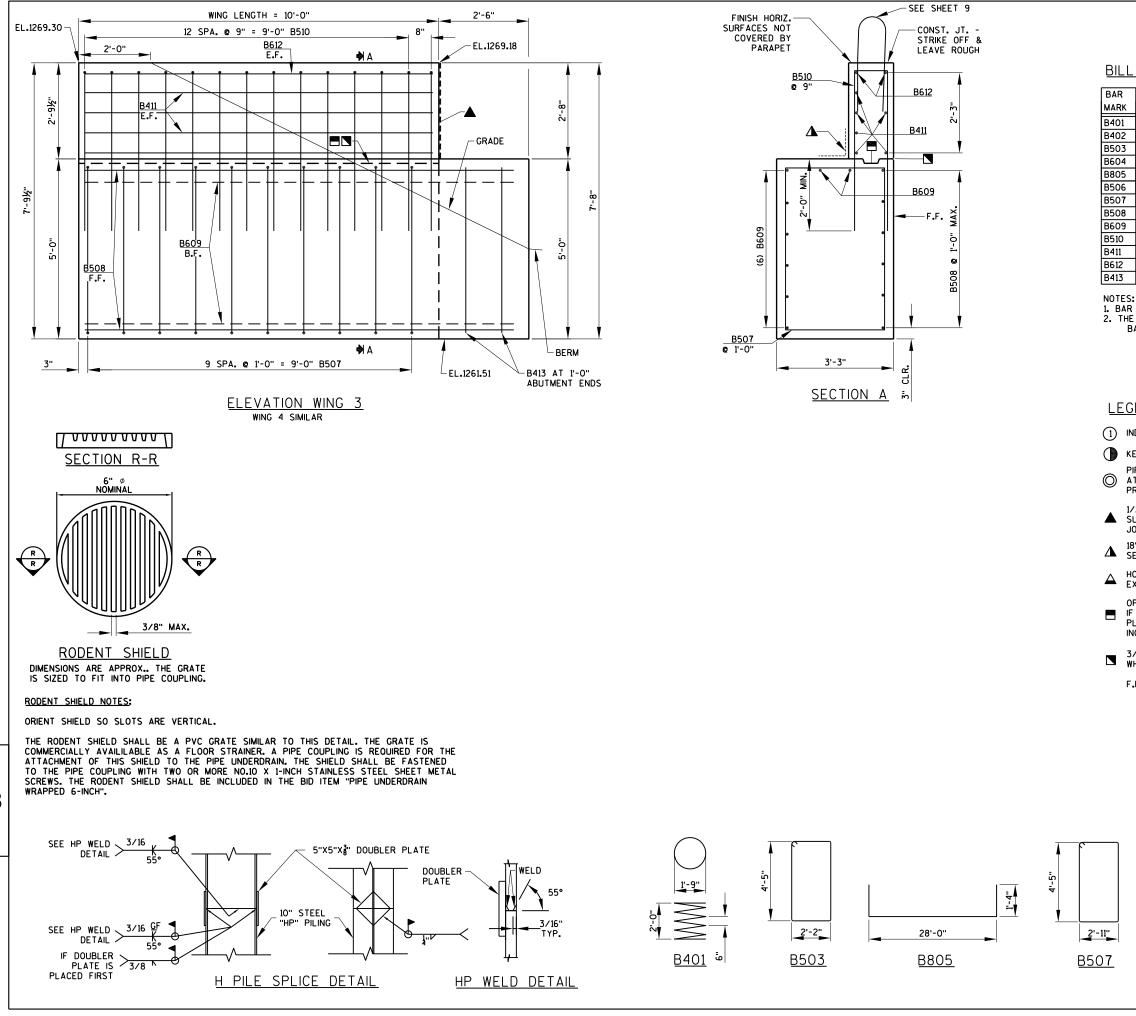
OPTIONAL KEYED CONST. JOINT ON WING FORMED BY BEVELED 2X6. IF JOINT IS USED. POUR CONCRETE ABOVE JOINT AFTER DECK IS IN PLACE AND PLACE 18" RMW ON BACK FACE OF WING. COST OF RMW INCLUDED IN BID ITEM "CONCRETE MASONRY BRIDGES".

3/4" "V" GROOVE ON FRONT FACE OF WING WALL, REQUIRED ONLY WHERE CONSTRUCTION JOINT IS USED.

F.F. = FRONT FACE B.F. = BACK FACE CL. = CLEAR

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N0.	DATE			REVISION			BY	
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				DRAWN BY JMM		PLANS CK'D.	JAF	
s					SHEE	ET 5	OF 9	-
		STRU	STRUC STRUC	STRUCTURE	STATE OF WISCONS DEPARTMENT OF TRANSPO STRUCTURE <b>B-54-1</b>	STRUCTURE B-54-128	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-54-128 DRAWN JMM PLANS BY JMM PLANS CKD. SOUTH ABUTMENT SHEET 5	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-54-128 DRAWN JMM PLANS BY JMM PLANS JAF SOUTH ABUTMENT SHEET 5 OF 9





STATE PROJECT NUMBER

8793-00-71

BILL OF BARS

COAT	NO. REO'D	LENGTH	BENT	BAR SERIES	LOCATION
_	5	28'-0"	х		
	10	2'-3"			ABUT. BODY @ PILES
	36	13'-10"	Х		ABUT. BODY VERT.
	10	28'-0"			ABUT. BODY HORIZ.
	7	30'-3"	Х		ABUT. BODY HORIZ. B.F.
	27	2'-0"			ABUT. BODY DOWELS
Х	20	15'-4"	X		WINGS VERT.
Х	12	12'-0"			WINGS HORIZ. F.F.
Х	16	12'-0"			WINGS HORIZ. B.F.
Х	28	9'-11"	X		WINGS VERT.
Х	12	9'-8"			WINGS HORIZ. E.F.
Х	4	9'-8"			WINGS HORIZ. E.F. TOP
	4	4'-5"			ABUT. BODY VERT. ENDS

1. BAR TABLE APPLIES TO NORTH ABUTMENT ONLY. 2. THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

<u>LEGEND</u>

1 INDICATES WING NUMBER

() KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2X6.

PIPE UNDERDRAIN WRAPPED 6-INCH. EXTEND THRU GEOTEXTILE FABRIC AT FACE OF RIPRAP HEAVY. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. PROVIDE RODENT PROTECTION AT ENDS OF PIPE.

▲ 1/2" FILLER EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZ. AND VERT. SURFACES OF FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE. 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING (RMW),

A SEAL ALL HORIZ. AND VERT. JOINTS ON BACKFACE OF ABUTMENT.

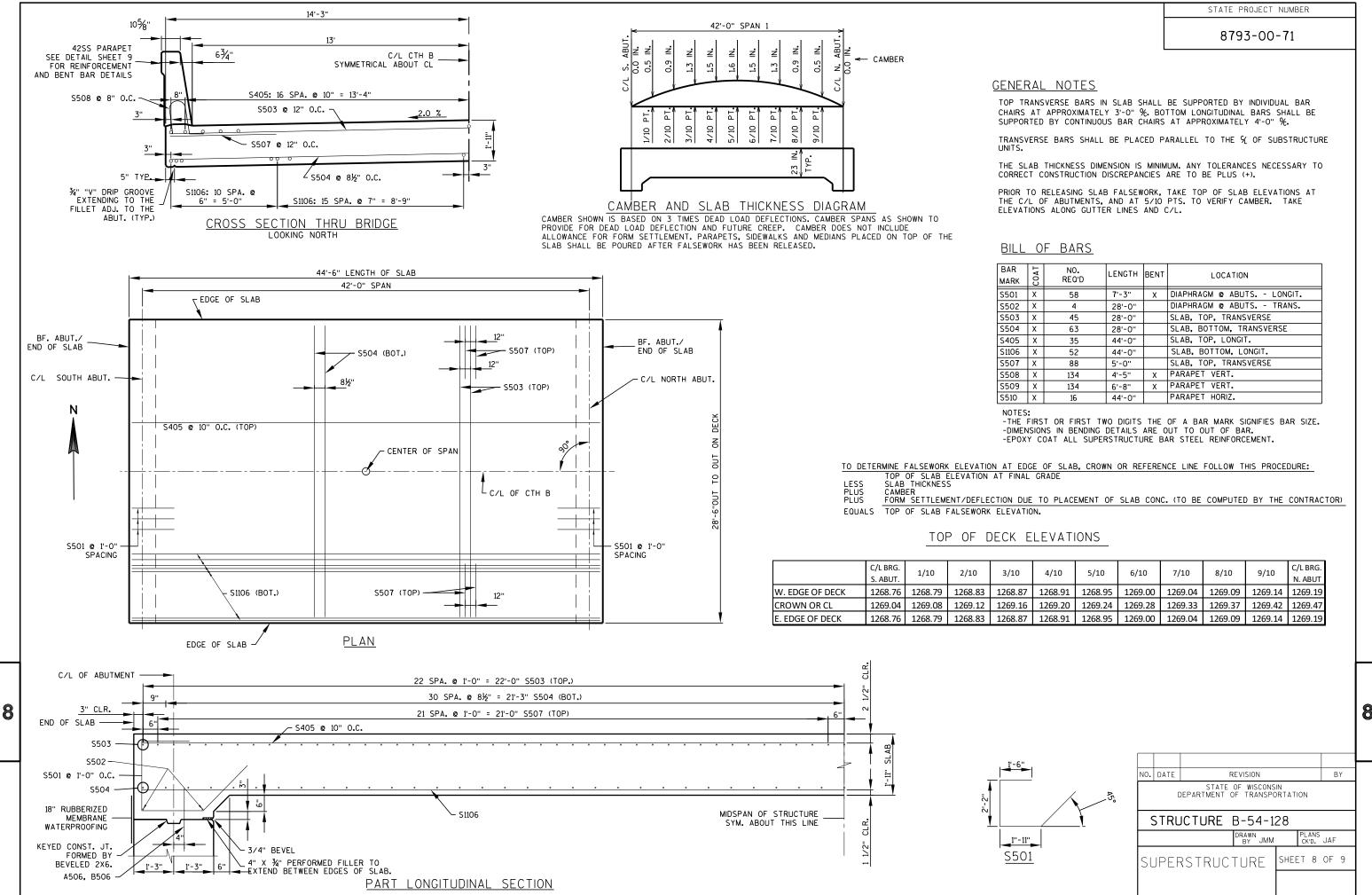
HORIZ. 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING (RMW), A EXTEND BETWEEN WINGS.

OPTIONAL KEYED CONST. JOINT ON WING FORMED BY BEVELED 2X6. IF JOINT IS USED, POUR CONCRETE ABOVE JOINT AFTER DECK IS IN PLACE AND PLACE 18" RMW ON BACK FACE OF WING. COST OF RMW INCLUDED IN BID ITEM "CONCRETE MASONRY BRIDGES".

■ 3/4" "V" GROOVE ON FRONT FACE OF WING WALL, REQUIRED ONLY WHERE CONSTRUCTION JOINT IS USED.

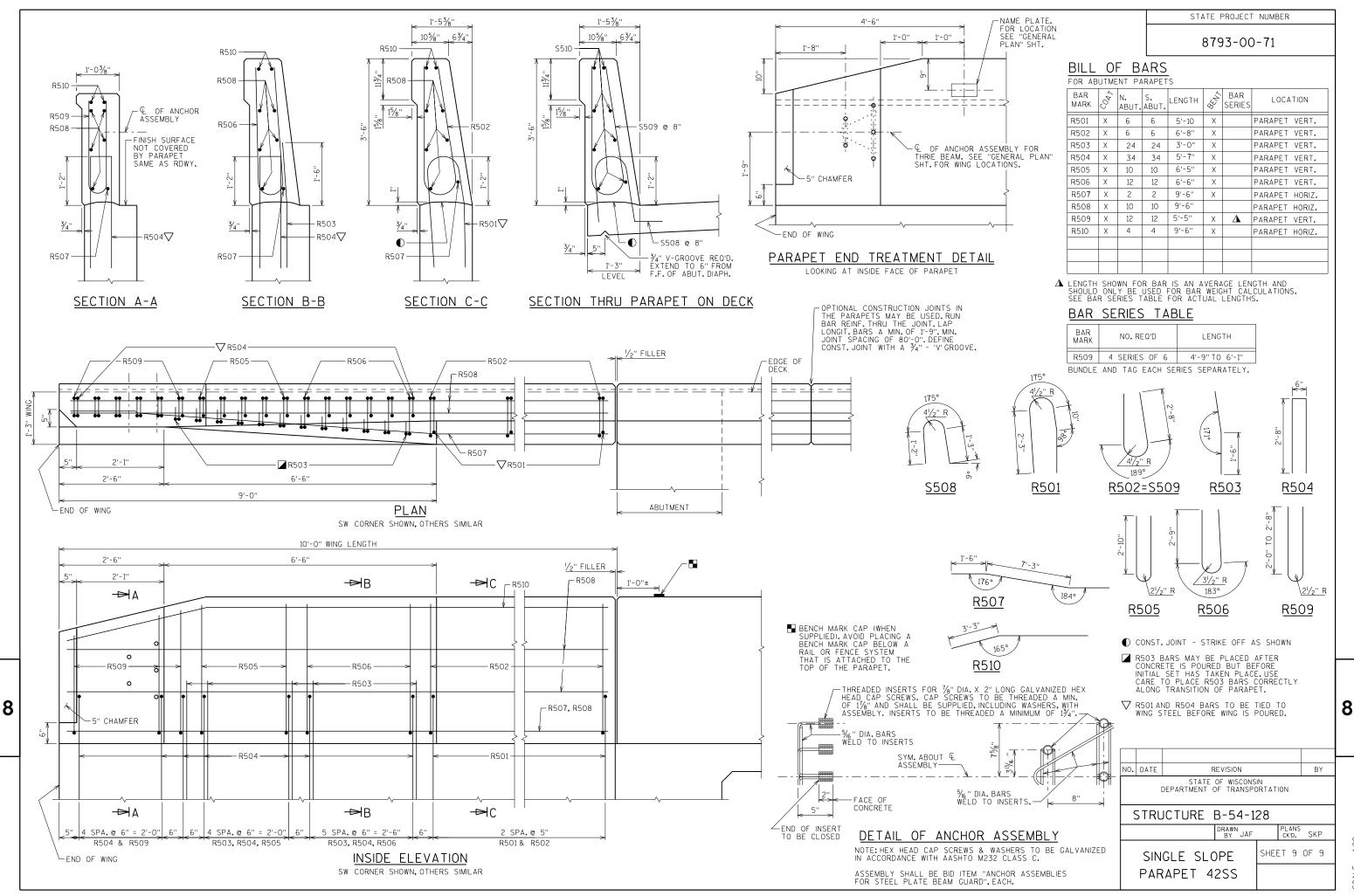
F.F. = FRONT FACE B.F. = BACK FACE CL. = CLEAR

<b>↓</b>	NO.	DATE	REVISION BY	
4'-8"		C	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
<u>V</u>       11"		strl	ICTURE <b>B-54-128</b>	
			DRAWN BY JMM CKD. JAF	
<u>B510</u>	NC	DRTH	H ABUTMENT SHEET 7 OF 9	
		WIN	G DETAILS	

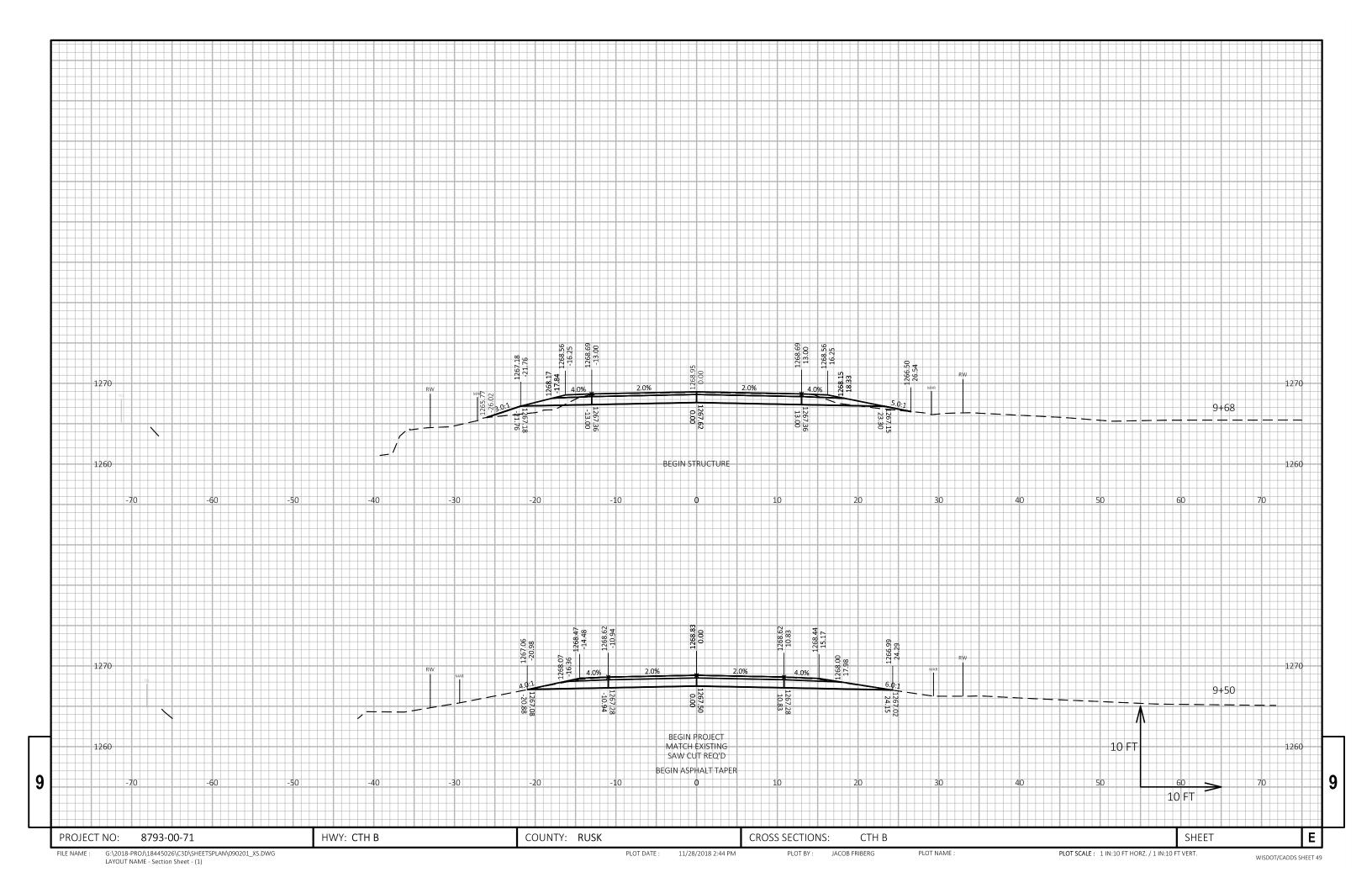


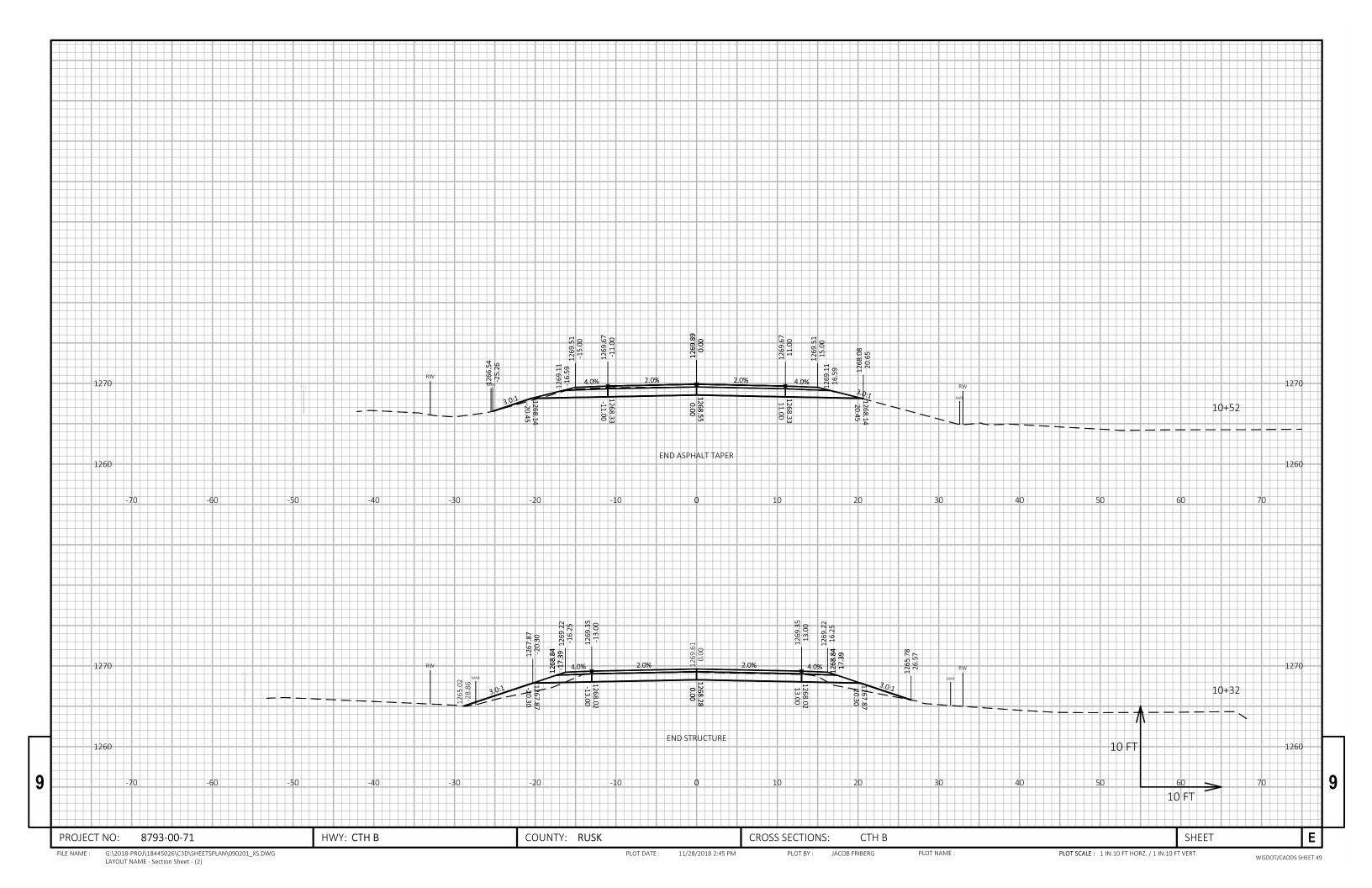
AR ARK	COAT	NO. REO'D	LENGTH	BENT	LOCATION
501	Х	58	7'-3"	х	DIAPHRAGM @ ABUTS LONGIT.
502	Х	4	28'-0"		DIAPHRAGM @ ABUTS TRANS.
503	Х	45	28'-0"		SLAB, TOP, TRANSVERSE
604	Х	63	28'-0"		SLAB, BOTTOM, TRANSVERSE
105	Х	35	44'-0''		SLAB, TOP, LONGIT.
106	Х	52	44'-0''		SLAB, BOTTOM, LONGIT.
507	Х	88	5'-0"		SLAB, TOP, TRANSVERSE
508	Х	134	4'-5''	Х	PARAPET VERT.
509	Х	134	6'-8''	Х	PARAPET VERT.
510	Х	16	44'-0''		PARAPET HORIZ.

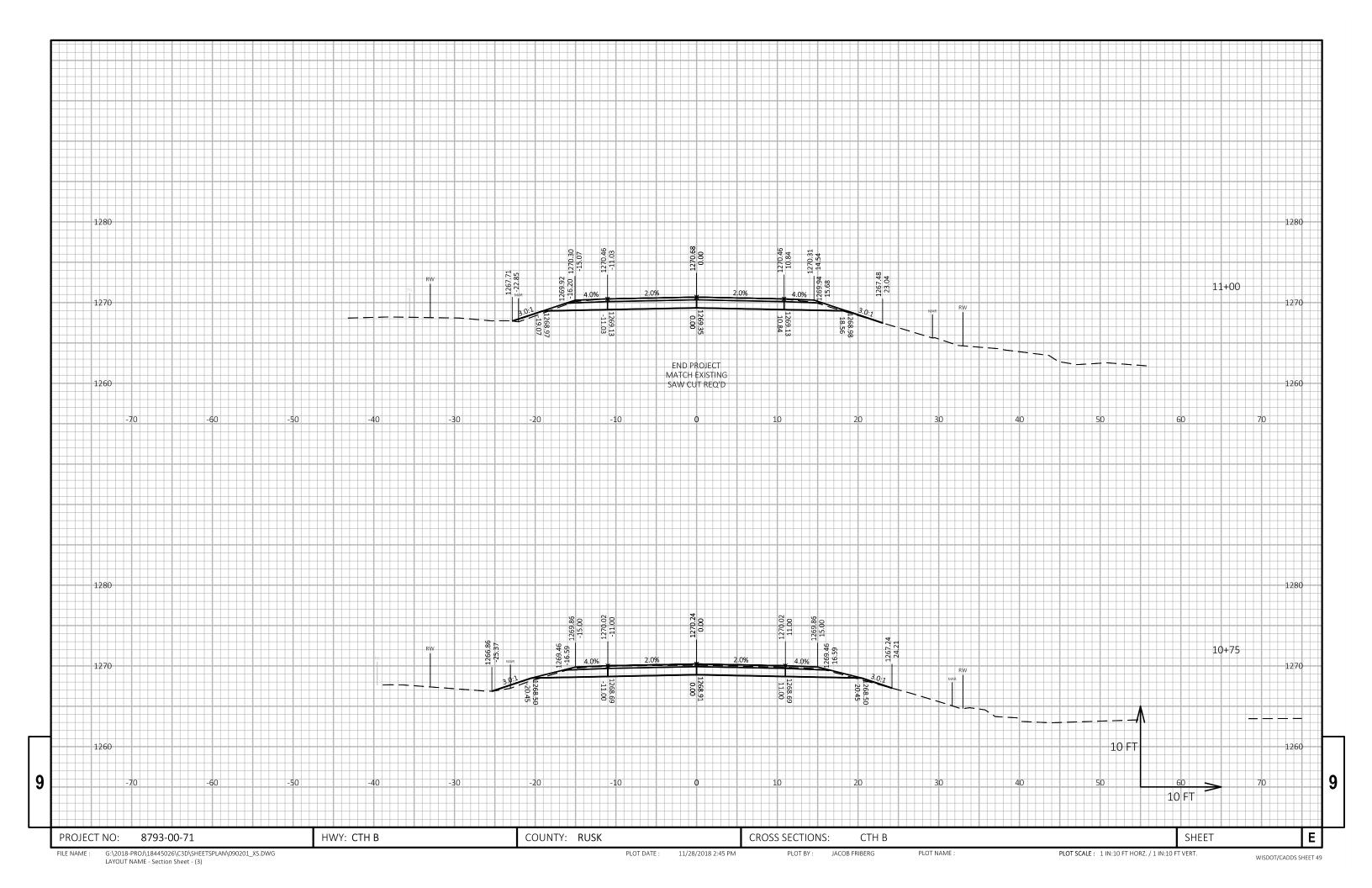
10	4/10	5/10	6/10	7/10	8/10	9/10	C/L BRG.
10	4/10	5/10	0/10	//10	0/10	5/10	N. ABUT
8.87	1268.91	1268.95	1269.00	1269.04	1269.09	1269.14	1269.19
9.16	1269.20	1269.24	1269.28	1269.33	1269.37	1269.42	1269.47
8.87	1268.91	1268.95	1269.00	1269.04	1269.09	1269.14	1269.19

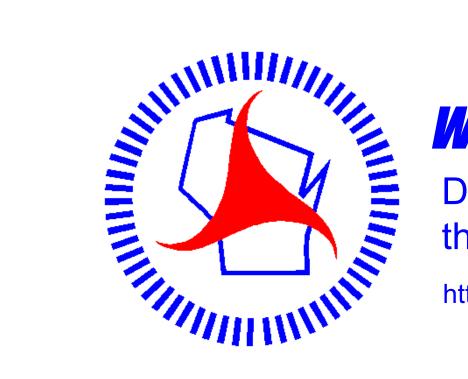


SCALE = 1.00









# Wisconsin Department of Transportation

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