GENERAL NOTES

BEARINGS SHOWN ON THE PLANS ARE GRID/GROUND/PROJECT BEARINGS TO THE NEAREST SECOND.

BEARINGS SHOWN ON THE PLAN ARE REFERENCED TO THE EXISTING ROADWAY CENTERLINE AND ARE ASSUMED.

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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

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

SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN PLACE PRIOR TO BRIDGE REMOVAL. THE EXACT LOCATION OF OTHER EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOILED, FERTILIZED, AND SEEDED AND EROSION MATTED

ALL PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENT AT REMOVAL LIMITS.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON OR ROCK EXCAVATION.

3-INCH PAVEMENT TO BE PLACED IN TWO 1.5-INCH LAYERS

UTILITY CONTACTS

* ELECTRIC

ALLIANT ENERGY DONNA HILBERT PHONE: (920) 748-4013 EMAIL: DONNAHILBERT@ALLIANTENERGY.COM

* COMMUNICATION

CENTURYLINK TIM KROEZE PHONE: (920) 219-0112 EMAIL: TIM.KROEZE@CENTURYLINK.COM

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
		А		В			С			D		
	SLOPE	RANGE	(PERCENT)	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		(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 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:							•			•		
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.75 - . 95						
GRAVEL ROADS,	SHOULDE	RS				.4060						

TOTAL PROJECT AREA = 0.38 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.35 ACRES * DENOTES DIGGERS HOTLINE MEMBER



CONSULTANT CONTACT

CORRE, INC. 175 E. WISCONSIN AVE. SUITE 27 OCONOMOWOC, WI 53066

JESSICA LEWIS, P.E. (608)-828-1011 JLEWIS@CORREINC.COM

DNR CONTACT

DEPARTMENT OF NATURAL RESOURCES DNR NORTHEAST REGIONAL HQ 2984 SHAWNO AVE. GREEN BAY, WI 54313

JAY SCHIEFELBEIN (920) 360-3784 JEREMIAH.SCHIEFELBEING@WI.GOV

SPONSOR CONTACT

GREEN LAKE COUNTY HIGHWAY DEPT. 570 SOUTH STREET PO BOX 159 GREEN LAKE, WI 54941

TYRONE JOHNSON (920) 294-4065 TJOHNSON@CO.GREEN-LAKE.WI.US

PROJECT NO: 6597-00-70 HWY: CTH S COUNTY: GREEN LAKE **GENERAL NOTES** SHEET Ε

FILE NAME :

* ELECTRICITY-TRANSMISSION

PHONE: (920) 338-6582

EMAIL: MOLSEN@ATCLLC.COM

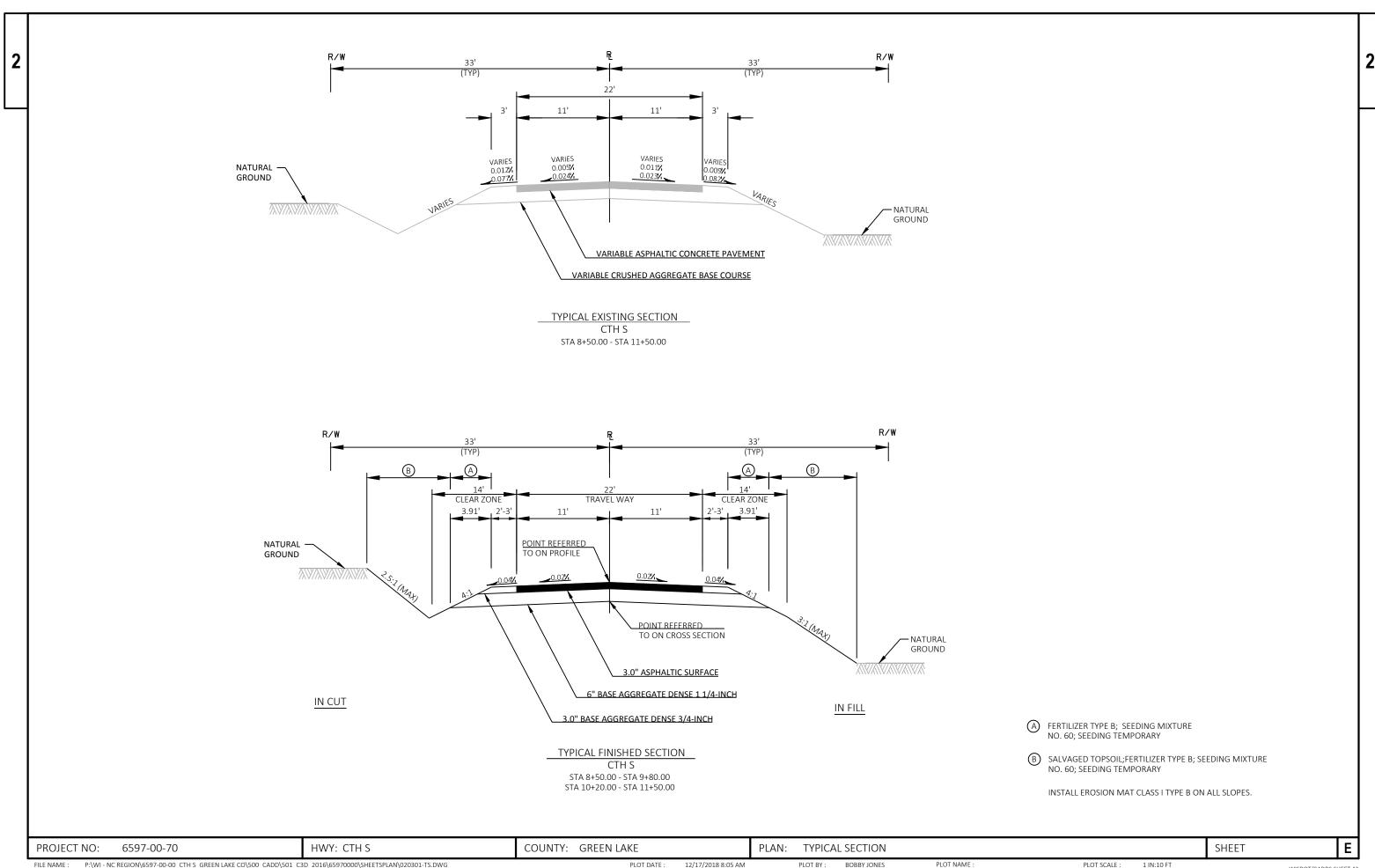
ATC MANAGEMENT, INC.

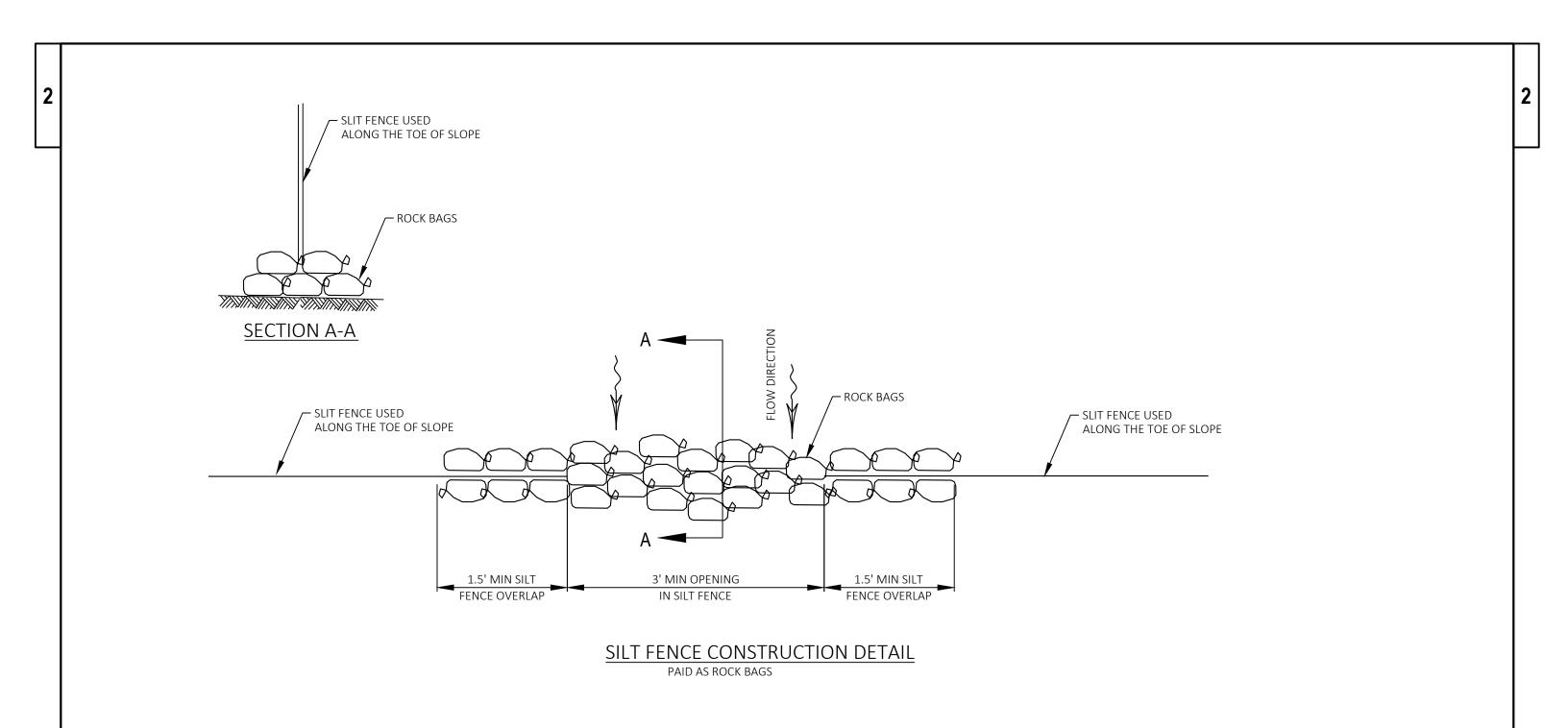
801 O'KEEFE RD

P.O. BOX 6113 DE PERE, WI 54115-6113

MIKE OLSEN

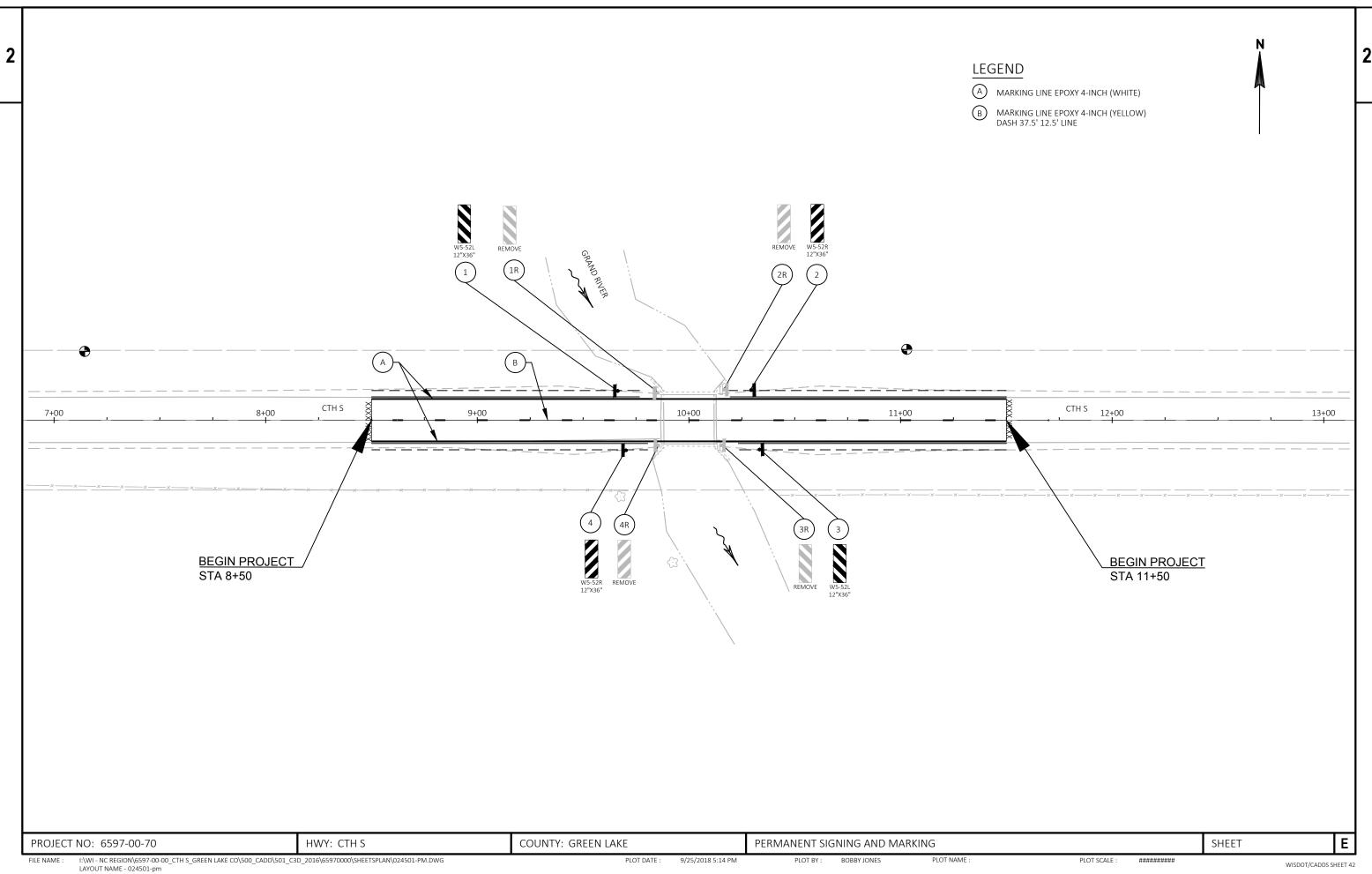
PLOT BY:





PROJECT NO: 6597-00-70 HWY: CTH S COUNTY: GREEN LAKE CONSTRUCTION DETAILS SHEET **E**

PLOT SCALE :



WISDOT/CADDS SHEET 42

	_	

					6597-00-70
Line	Item	Item Description	Unit	Total	Qty
0002	203.0500.S	Removing Old Structure Over Waterway (station) 01. 10+00	LS	1.000	1.000
0004	205.0100	Excavation Common	CY	167.000	167.000
0006	206.1000	Excavation for Structures Bridges (structure) 01. B-24-	LS	1.000	1.000
8000	206.5000	Cofferdams (structure) 01. B-24-44	LS	1.000	1.000
0010	208.0100	Borrow	CY	309.000	309.000
0012	210.1500	Backfill Structure Type A	TON	240.000	240.000
0012	213.0100	Finishing Roadway (project) 01. 6597-00-70	EACH	1.000	1.000
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	26.000	26.000
0018	305.0110	Base Aggregate Dense 1 1/4-Inch	TON	298.000	298.000
0020	455.0605	Tack Coat	GAL	88.000	88.000
0020	465.0105	Asphaltic Surface	TON	110.000	110.000
0022	502.0100	Concrete Masonry Bridges	CY	105.000	105.000
0024	502.3200	Protective Surface Treatment	SY	132.000	132.000
0028	502.3210	Pigmented Surface Sealer	SY	62.000	62.000
		•			
0030	505.0400	Bar Steel Reinforcement HS Structures	LB	3,620.000	3,620.000
0032	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	9,130.000	9,130.000
0034	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	14.000	14.000
0036	516.0500	Rubberized Membrane Waterproofing	SY	18.000	18.000
0038	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF OV	600.000	600.000
0040	606.0300	Riprap Heavy	CY	130.000	130.000
0042	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	190.000	190.000
0044	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6597-00-70	EACH	1.000	1.000
0046	619.1000	Mobilization	EACH	1.000	1.000
0048	624.0100	Water	MGAL	4.600	4.600
0050	625.0500	Salvaged Topsoil	SY	840.000	840.000
0052	628.1504	Silt Fence	LF	650.000	650.000
0054	628.1520	Silt Fence Maintenance	LF	650.000	650.000
0056	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0058	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0060	628.2004	Erosion Mat Class I Type B	SY	839.000	839.000
0062	628.6005	Turbidity Barriers	SY	157.000	157.000
0064	628.7570	Rock Bags	EACH	150.000	150.000
0066	629.0210	Fertilizer Type B	CWT	0.500	0.500
0068	630.0160	Seeding Mixture No. 60	LB	11.000	11.000
0070	630.0200	Seeding Temporary	LB	23.000	23.000
0070	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	4.000
0072	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0074	031.2230	olgina Type II Nellective F	SF	12.000	12.000

0110

SPV.0090 Special 01. Prestressed Girder Box Type 17-Inch

Estimate Of Quantities Page 2

					6597-00-70
Line	Item	Item Description	Unit	Total	Qty
0076	638.2602	Removing Signs Type II	EACH	4.000	4.000
0078	638.3000	Removing Small Sign Supports	EACH	4.000	4.000
0800	642.5201	Field Office Type C	EACH	1.000	1.000
0082	643.0420	Traffic Control Barricades Type III	DAY	1,800.000	1,800.000
0084	643.0705	Traffic Control Warning Lights Type A	DAY	2,160.000	2,160.000
0086	643.0900	Traffic Control Signs	DAY	360.000	360.000
8800	643.5000	Traffic Control	EACH	1.000	1.000
0090	645.0111	Geotextile Type DF Schedule A	SY	54.000	54.000
0092	645.0120	Geotextile Type HR	SY	165.000	165.000
0094	646.1020	Marking Line Epoxy 4-Inch	LF	1,200.000	1,200.000
0096	650.4500	Construction Staking Subgrade	LF	260.000	260.000
0098	650.5000	Construction Staking Base	LF	260.000	260.000
0100	650.6500	Construction Staking Structure Layout (structure) 01. B-24-44	LS	1.000	1.000
0102	650.9910	Construction Staking Supplemental Control (project) 01 6597-00-70	LS	1.000	1.000
0104	650.9920	Construction Staking Slope Stakes	LF	260.000	260.000
0106	690.0150	Sawing Asphalt	LF	44.000	44.000
0108	715.0502	Incentive Strength Concrete Structures	DOL	630.000	630.000

285.000

285.000

LF

Division	From/To Station	Location	205.0100 Common Excavation (1) Cut (2)	Salvaged/Unusable Pavement Material (3)	Available Material (4)	Unexpanded Fill	Expanded Fill (5) Factor 1.25	Mass Ordinate +/- (6)	Waste	208.0100 Borrow	Comment:
CTH S	8+50 to 9+80	West of Structure	89	23	66	106	132	-66	0	66	
CITIS	10+20 to 11+50	East of Structure	78	20	57	240	300	-243	0	243	
	`					`				·	
Total			167	44	123	346	432	-309	0	309	
	Total Com	mon Exc	167								

Notes:

STATION - STATION

8+50 - 9+80

10+20 - 11+50

CATEGORY CODE 0010

- (1) Item number 205.0100
- (2) Salvaged/Unsuable Pavement Material is included in Cut.
- (3) Salvaged/Unusable Pavement Material
- (4) Available Material = Cut Salvaged/Unusuable Pavement Material
- (5) Expanded Fill Factor = 1.25

Expanded Fill = (Unexpanded Fill) * Fill Factor

(6) 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.

BASE AGGREGATE DENSE

TOTALS:

305.0110 305.0120 BASE AGGREGATE BASE AGGREGATE DENSE DENSE 3/4-INCH 1 1/4-INCH LOCATION TON TON Mainline 13 149 Mainline 13 149

298

26

ASPHALTIC ITEMS

CTA TION	CTA TION	LOCATION	455.0605 TACK COAT	465.0105 ASPHALTIC SURFACE
STATION - CATEGORY CO		LOCATION	GAL	TON
CATEGORI C	3DL 0010			
8+50 -	9+80	Mainline	44	55
10+20 -	11+50	Mainline	44	55
	•	TOTALS	88	110

WATER

LOCATION	624.0100 MGAL
CATEGORY CODE 0010	
BASE COMPACTION	4.6

TOTALS 4.6

PROJECT NO: 6597-00-70 HWY: CTH S COUNTY: GREEN LAKE MISCELLANEOUS QUANTITIES SHEET NO: E

FILE NAME LAYOUT NAME - 030201-mq PLOT DATE : 12/16/2018 PLOT BY : CORRE INC. PLOT NAME : PLOT SCALE : 1:1

1116		DAGG
SY	SY	EA

ROCK

150

628.6005 628.7570

TURBIDITY

157

260 2 308 73 60 260 363 52 60 168 31 130 30

1200

628.2004

EROSION MAT

CLASS I

839

628.1910

EM ERGENCY

EΑ

MOBILIZATIONS

REMOVING SIGN ITEMS

EROSION CONTROL

628.1905

EΑ

MAINTENANCE CONTROL EROSION CONTROL

628.1504

260

260

130

TOTALS

O/S

MAINLINE

MAINLINE

TOTALS: 650

STATION TO STATION

8+50 - 9+80

10+20 - 11+50

UNDISTRIBUTED (25%)

CATEGORY 0010

628.1520

SILT FENCE EROSION

CTA TION	LOCATION	SIGN	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	OLONIMETON OF
STATION	LOCATION	NUMBER	EACH	EACH	SIGN MESSAGE
9+84	LT	1R	1	1	BRIDGE HASH MARKS
9+84	RT	4R	1	1	BRIDGE HASH MARKS
	RT	3R	1	1	BRIDGE HASH MARKS
10+16	• • •				

MARKING LINE EPOXY 4-INCH

646.1020 (YELLOW) (WHITE) LF STATION - STATION LOCATION LF 8+50 - 11+50 MAINLINE 600 600 TOTALS:

SAWING PAVEMENT ITEMS

LF
22 22

TOTALS

LA	NI	os	CA	PI	NG	ITEMS
----	----	----	----	----	----	--------------

				625.0500	629.0210	630.0160 SEEDING	630.0200
STA TIONI		STATION!	LOCATION	SALVAGED TOPSOIL SY	FERTILIZER TYPE B CWT	MIXTURE NO. 60 LB	SEEDING TEM PORARY LB
STATION	-	SIATION	LOCATION	- 31	CVVI	LD	LD
8+50	-	9+80	LT & RT	307	0.2	4	8
7+68	-	8+00	RT	365	0.2	5	10
UNE)IS	TRIBUTED	(25%)	168	0.1	2	5
			TOTAL S	940	0.5	11	22

SIGNING ITEMS

STATION	LOCATION	SIGN NUMBER	SIGN CODE	SIZE	F 634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	637.2230 SIGNS TYPE II REFLECTIVE F SF	SIGN MESSAGE
9+65	LT	1	W5-52L	12 X 36	1	3.00	BRIDGE HASH MARKS
9+69	RT	4	W5-52R	12 X 36	1	3.00	BRIDGE HASH MARKS
10+31	LT	2	W5-52L	12 X 36	1	3.00	BRIDGE HASH MARKS
10+34	RT	3	W5-52R	12 X 36	1	3.00	BRIDGE HASH MARKS

TOTALS

12

TRAFFIC CONTROL ITEMS

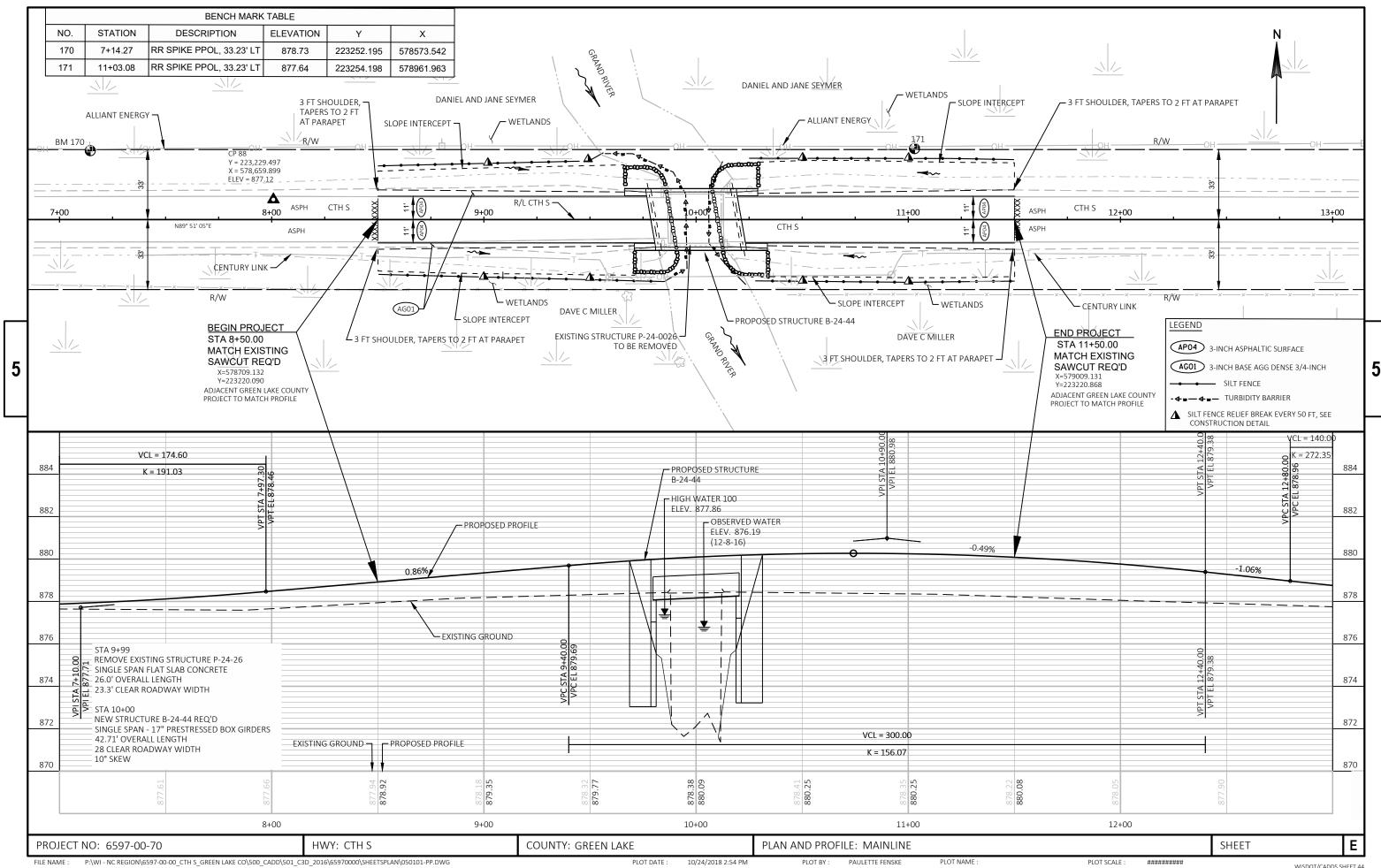
STATION	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A DAY	643.0900 SIGNS DAY
8+50 11+50	900 900	1,080 1,080	180 180
TOTALS	1,800	2,160	360

CONSTRUCTION STAKING ITEMS

STATION - STATION CATEGORY CODE 0010	LOCATION	650.4500 STAKING SUBGRADE LF	650.5000 STAKING BASE LF	650.6500* STRUCTURE LAYOUT LS	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF
8+50 - 9+80 10+20 - 11+50	MAINLINE MAINLINE	130 130	130 130	1	1	130 130
	TOTALS	260	260	1	1	260

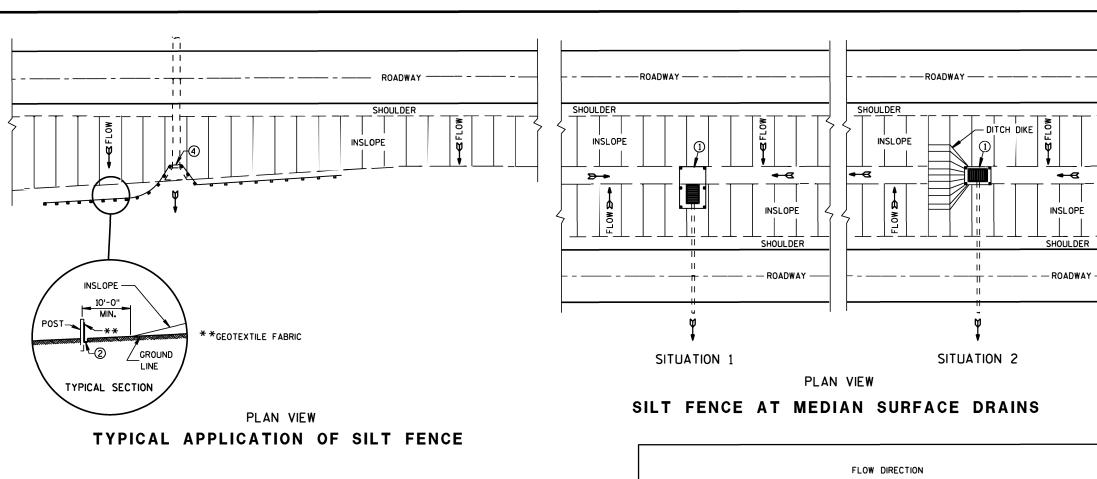
* ALL STAKING ITEMS PART OF CATERGORY CODE 0010 OTHER THAN 650.6500 WHICH IS CATEGORY 0020

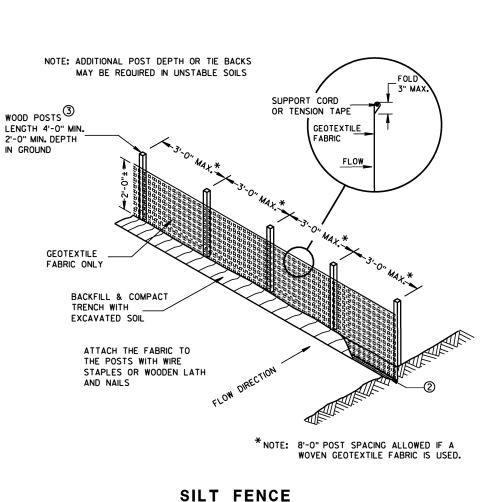
COUNTY: GREEN LAKE MISCELLANEOUS QUANTITIES Ε PROJECT NO: 6597-00-70 **SHEET NO: HWY: CTH S**



Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE 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

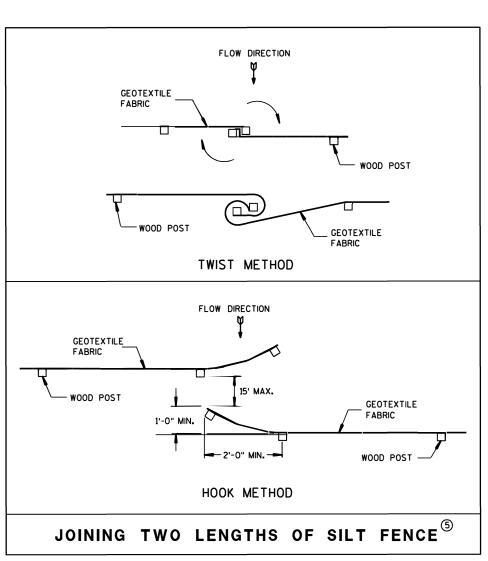




WOOD POSTS

IN GROUND

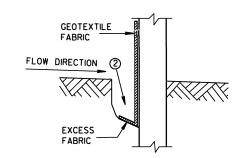
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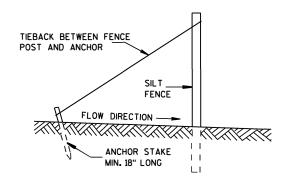
GENERAL NOTES

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

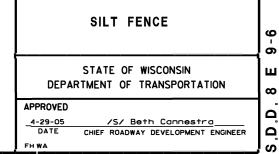
- 1 HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS 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.

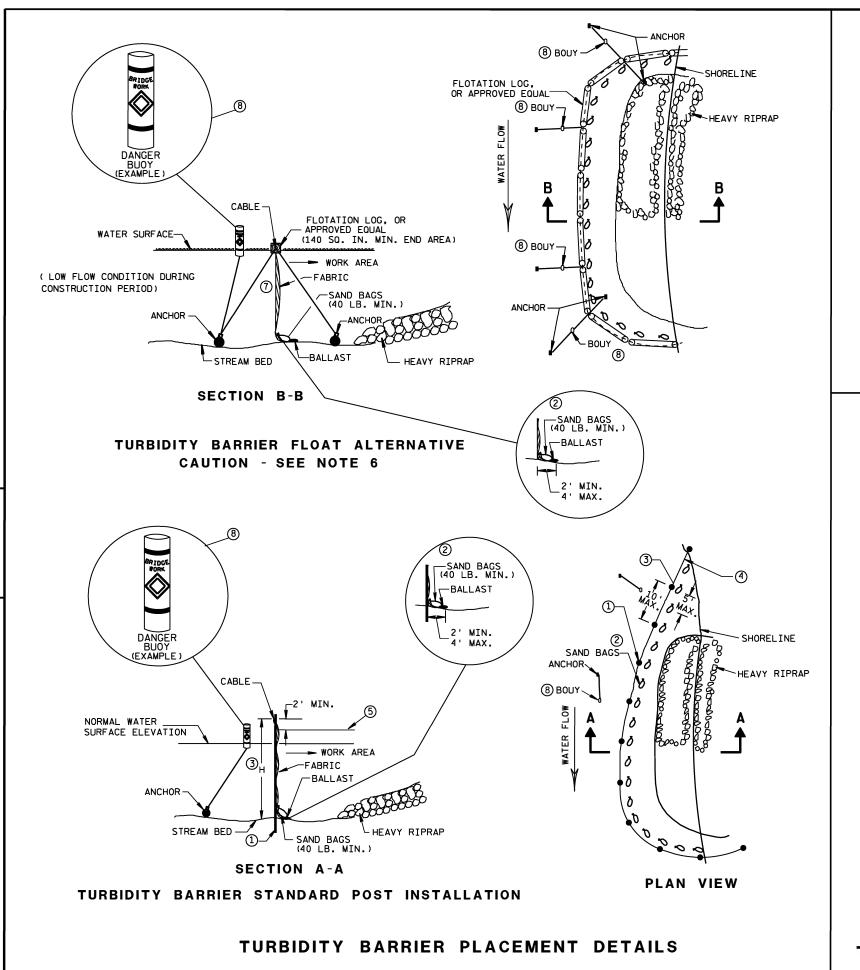


TRENCH DETAIL



SILT FENCE TIE BACK (WHEN REQUIRED BY THE ENGINEER)





6

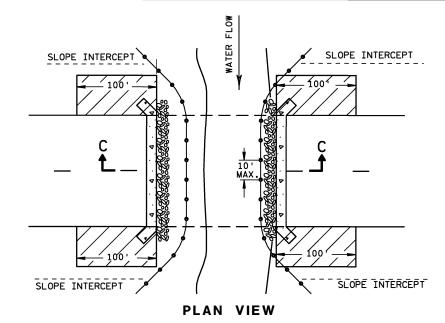
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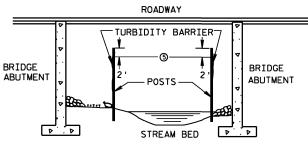
GENERAL NOTES

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

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- (2) SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

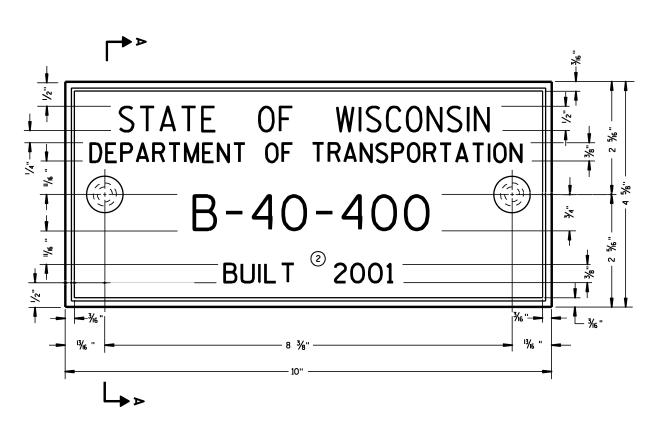
6/04/02 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

-2

D, 8 E 11-2

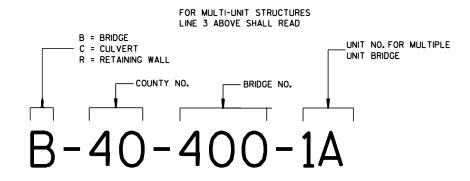
S.D.D.





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



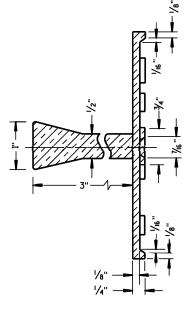
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

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

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

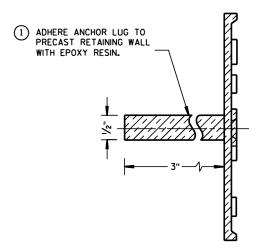
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

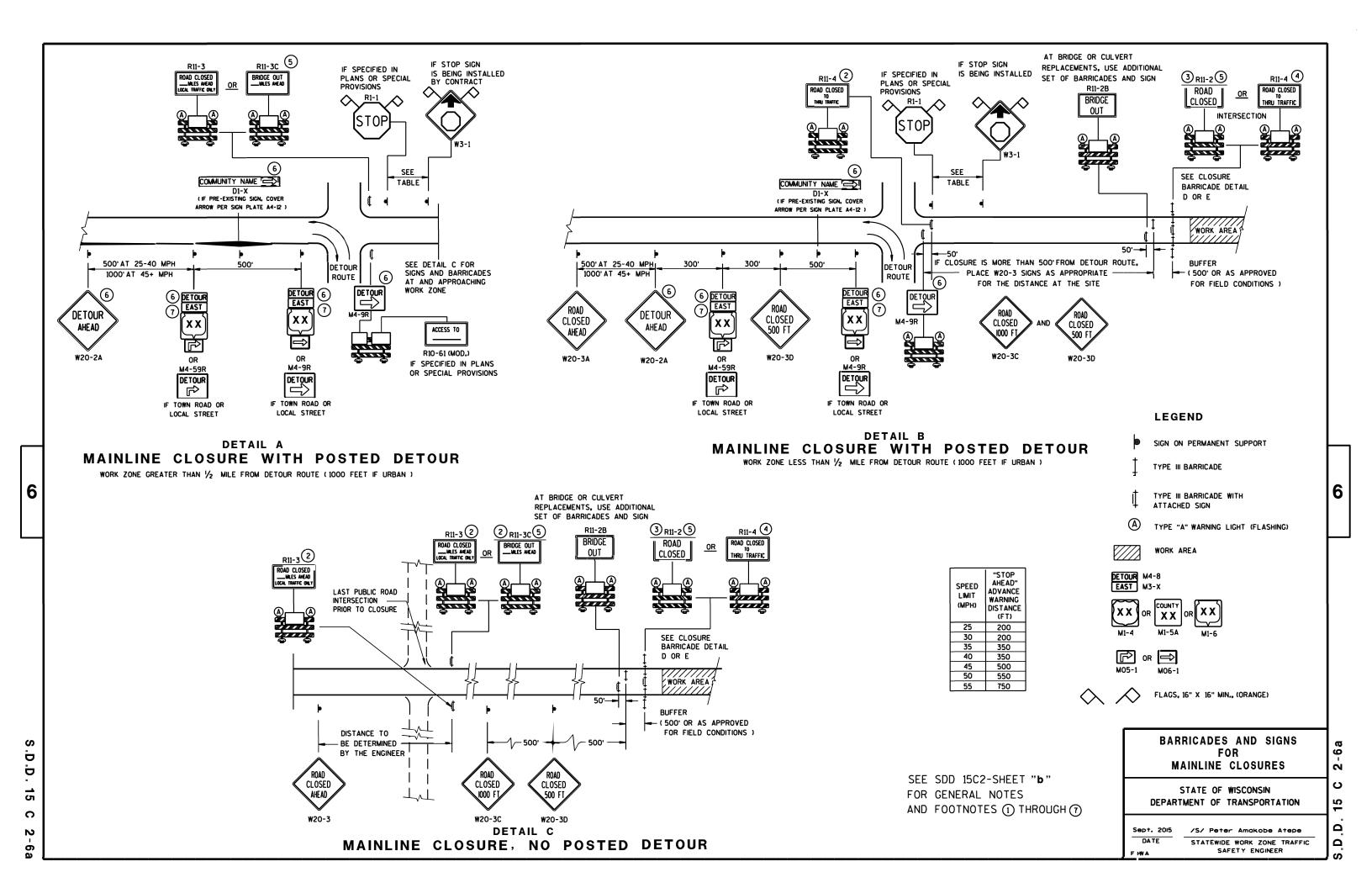
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

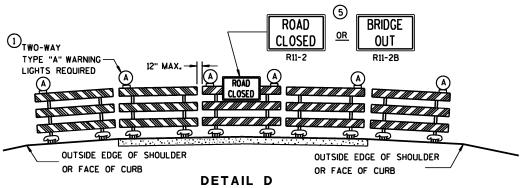
APPROVED

/26/IO_DATE /S/ Scot Becker
CHIEF STRUCTURAL DEVELOPMENT ENGINEER

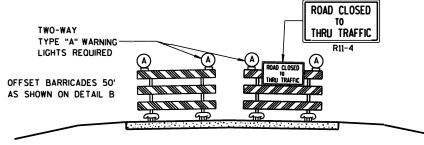
D.D. 12

3-10





ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) MI-4, MI-5A, AND MI-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

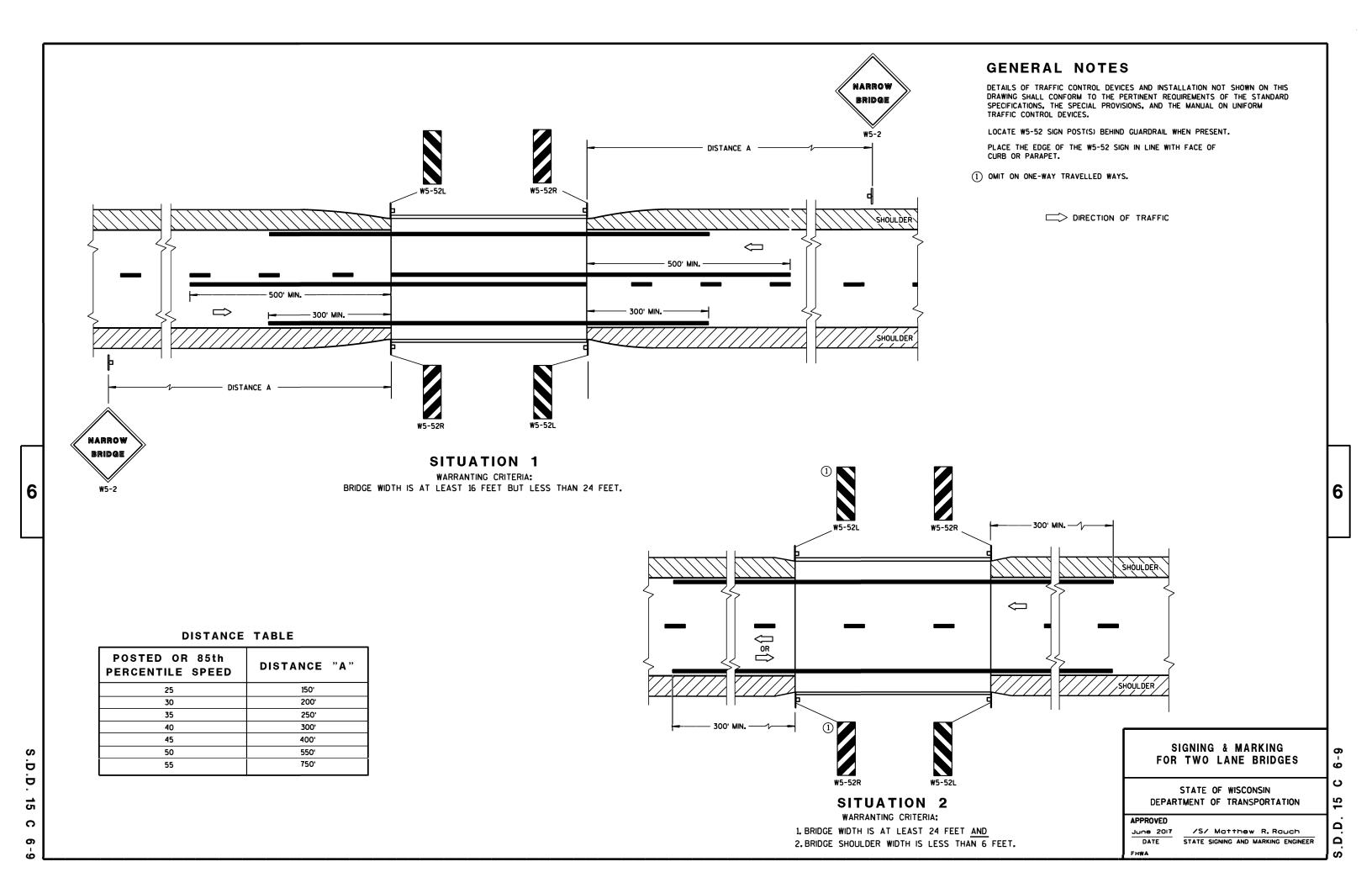
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

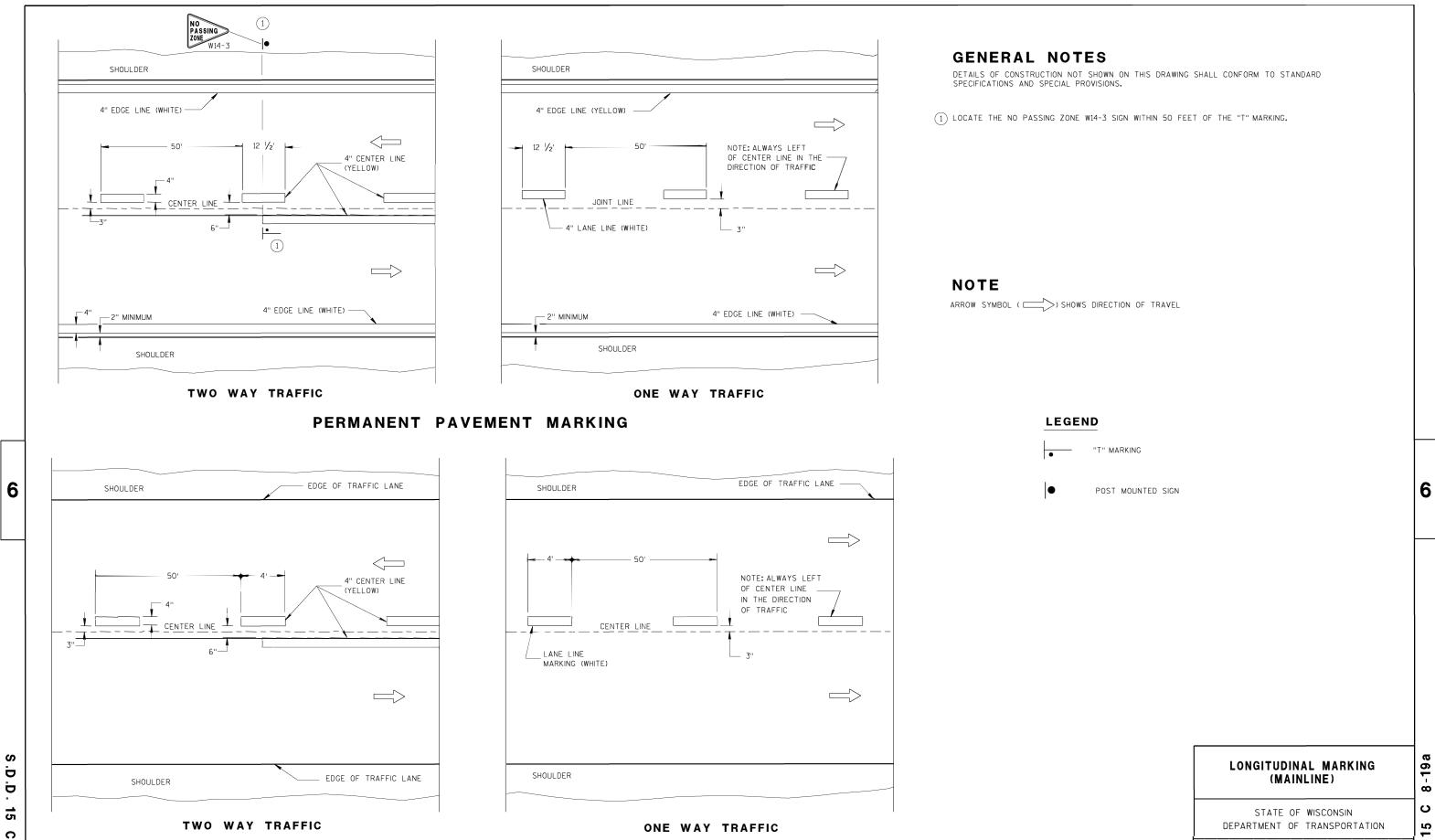
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Sept. 2015 /S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER





TEMPORARY PAVEMENT MARKING

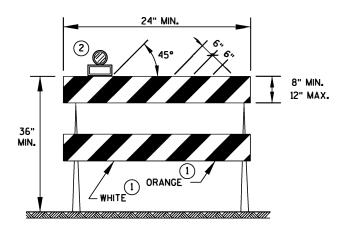
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APPROVED

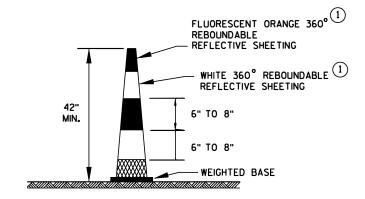
DATE STATE SIGNING AND MARKING ENGINEER

DRUM



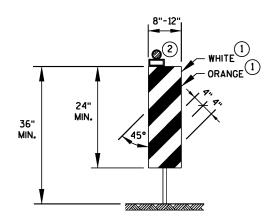
TYPE 2 BARRICADE

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



42" CONE

DO NOT USE IN TAPERS 1/2 SPACING OF DRUMS

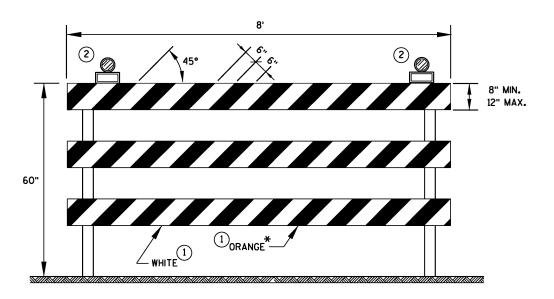


VERTICAL PANEL

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

GENERAL NOTES

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



TYPE 3 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.

 $^{f *}$ IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

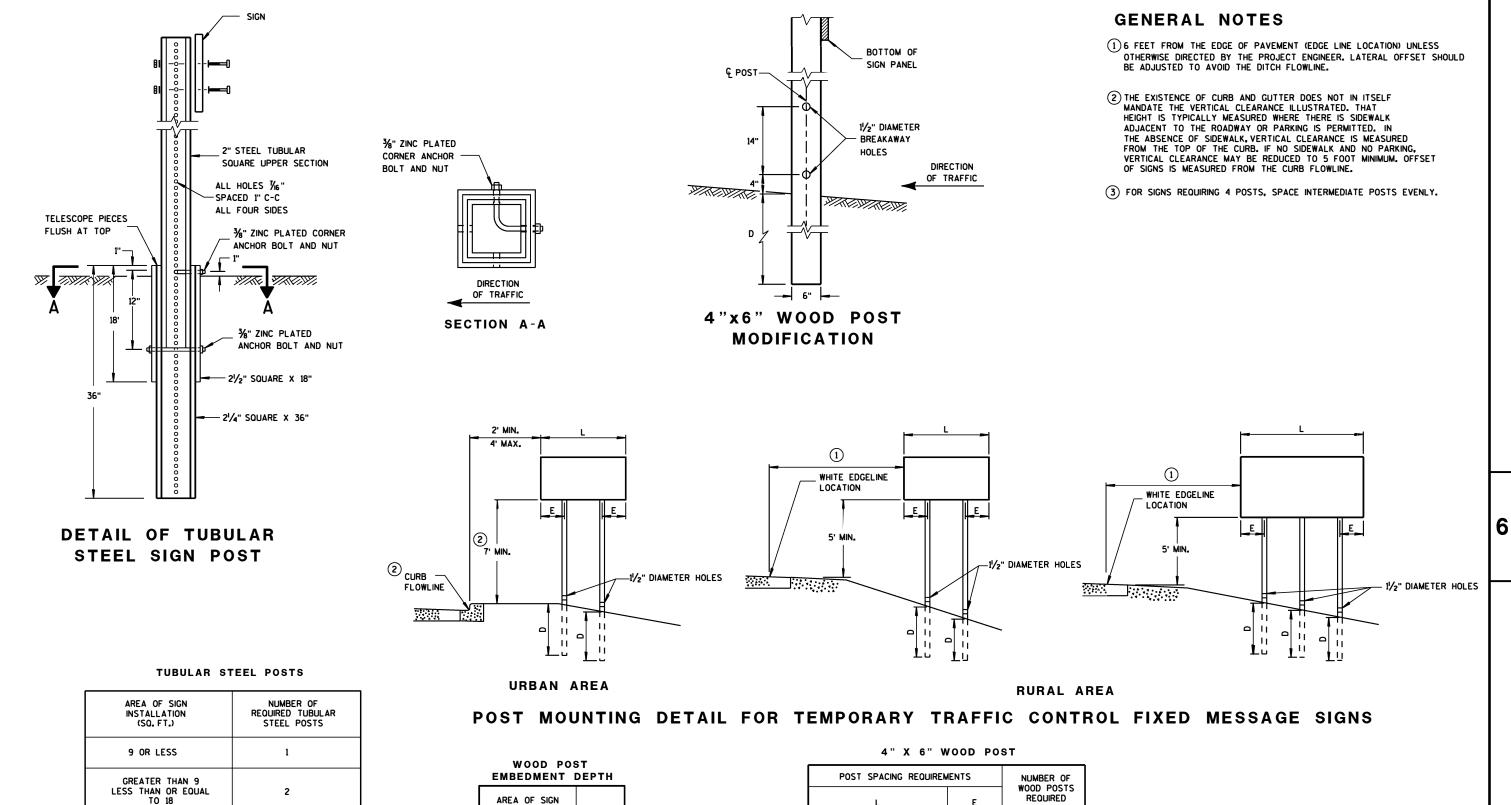
APPROVED

WORK ZONE ENGINEER

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June 2017 DATE /S/ Andrew Heidtke



D.D. 15 D 38

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SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

GREATER THAN 18

LESS THAN OR EQUAL

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

L	E	WOOD POSTS REQUIRED				
48" OR LESS AND LESS THAN 20 SQ.FT.	-	1				
LESS THAN 60"	12"	2	s			
60" TO 120"	L/5	2				
GREATER THAN 120" LESS THAN 168"	12"	3				
168" AND GREATER	12"	4				

SEE NOTE 3

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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 - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 1/2 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X %" I.D. X 1/6" STEEL 1-1/4" O.D. X 1/6" 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.

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

FHWA

June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

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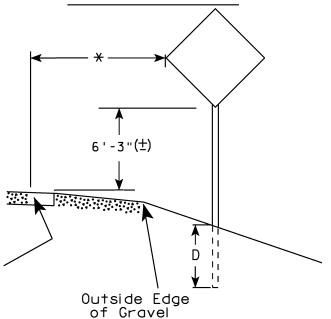
urban area

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

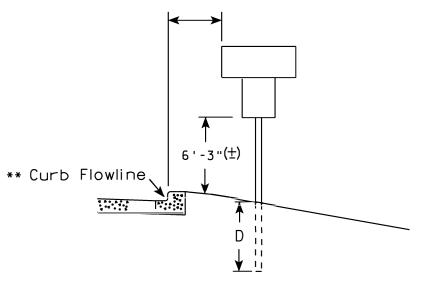
7'-3"(±)

D || White Edgeline Location

RURAL AREA (See Note 2)



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



White Edgeline
Location

Outside Edge
of Gravel

n ed.

** 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.

POST EMBEDMENT DEPTH

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

* 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.

GENERAL NOTES

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

Matther R Raw.
For State Traffic Engineer

DATE 8/21/17 PLATE NO. _A4-3.21_

SHEET NO: **E**

PROJECT NO:

HWY:

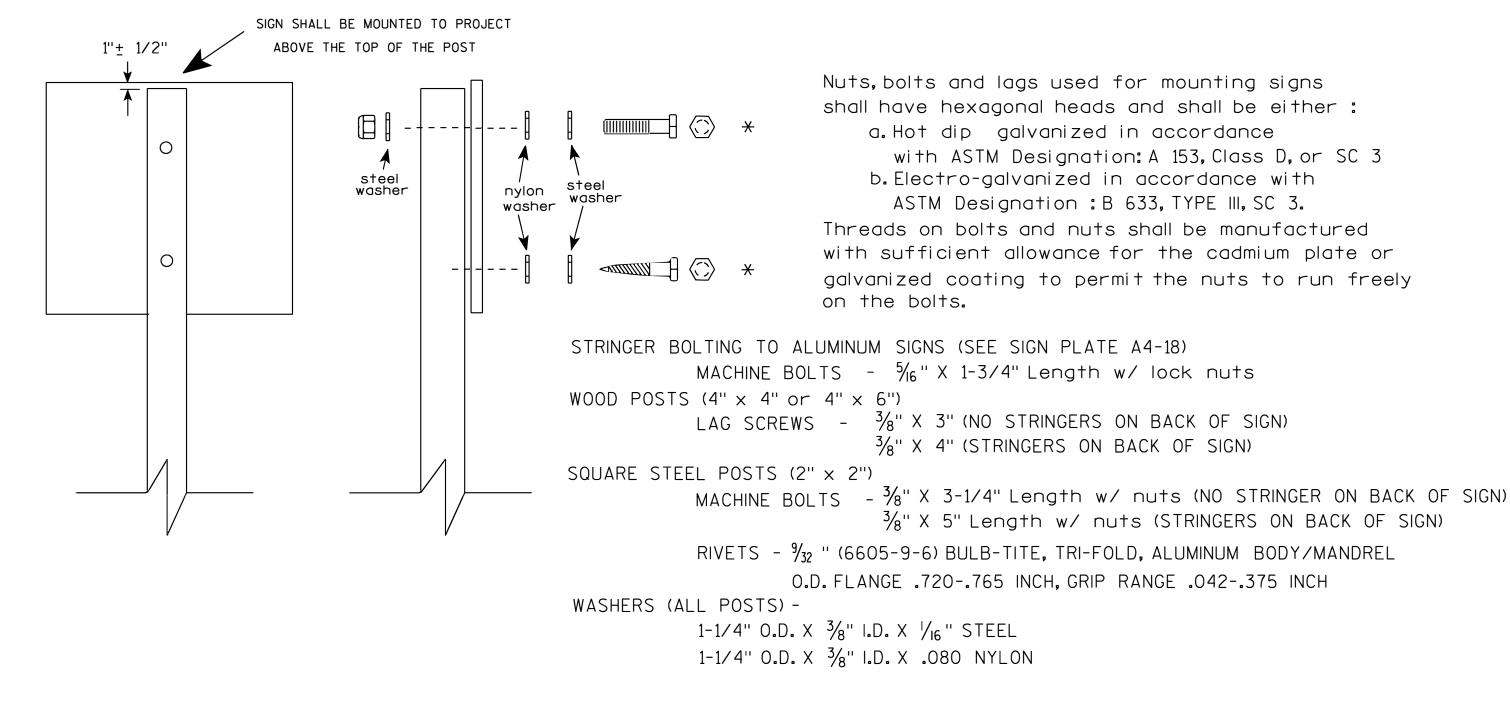
COUNTY:

PLOT DATE : 21-AUG-2017 16:04

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

PLOT SCALE : 100.601251:1.000000

WISDOT/CADDS SHEET 42



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

PLOT DATE . 11-41G-2016 11:35

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

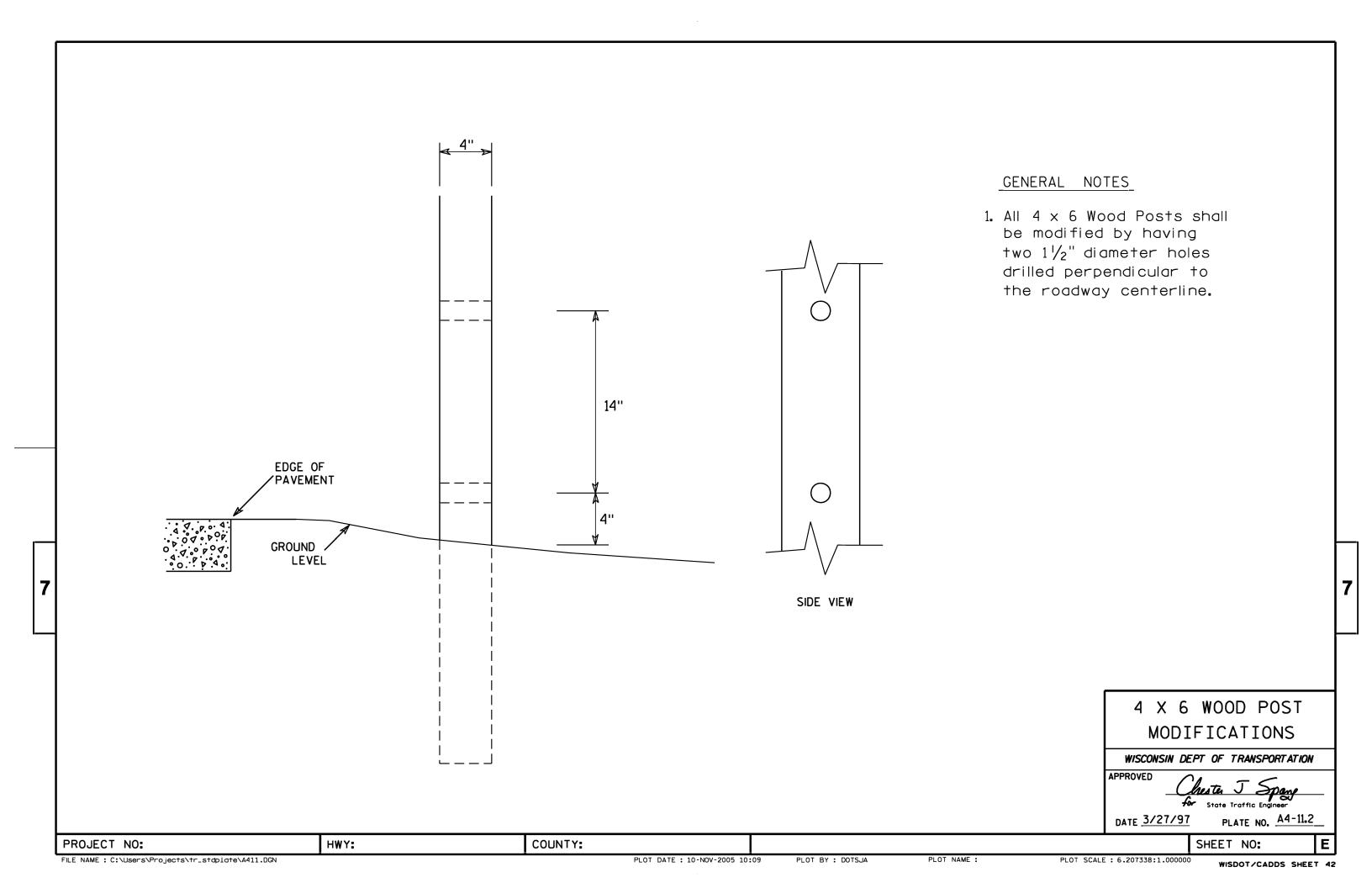
Matther For State Traffic Engineer

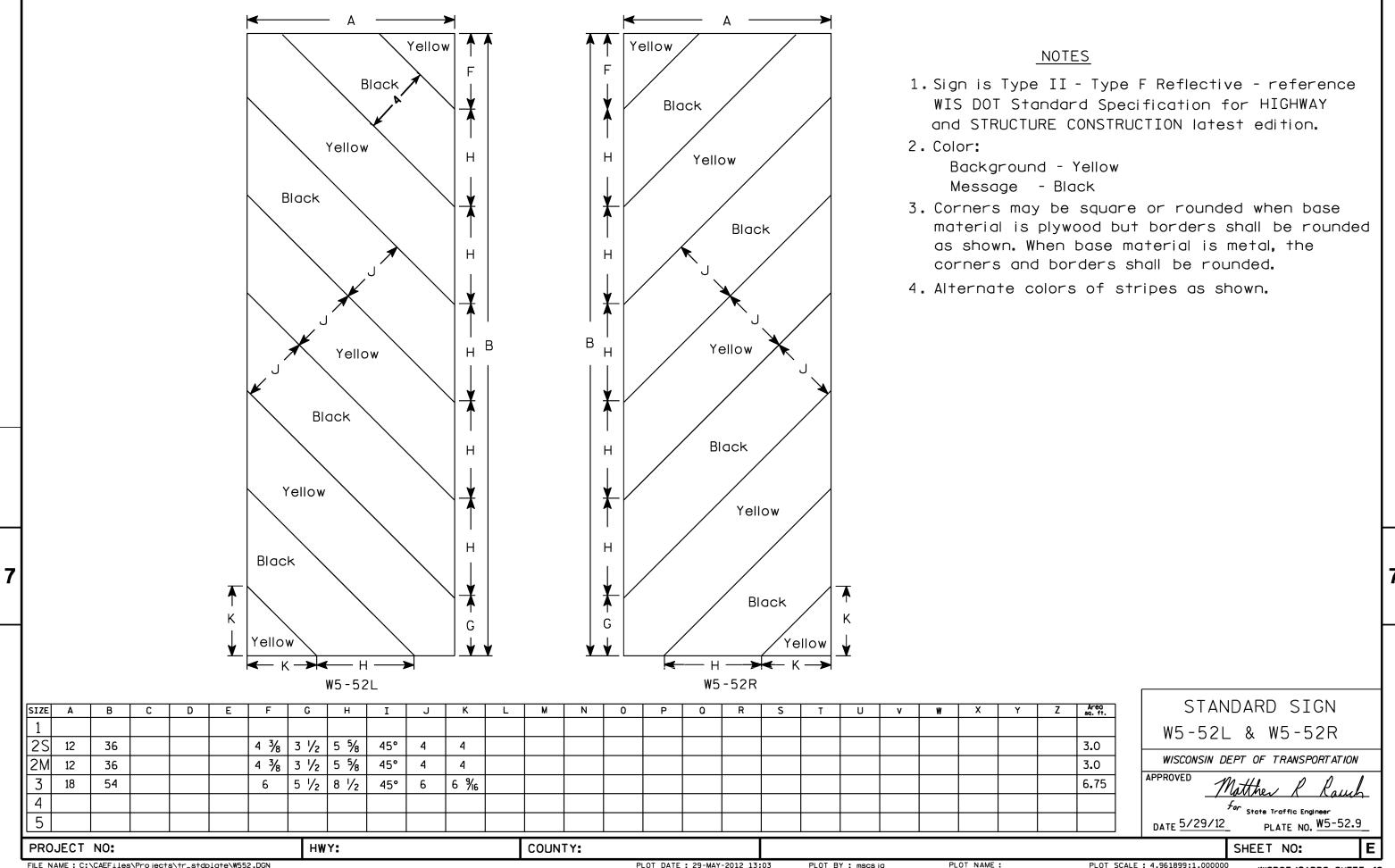
DATE 8/11/16

SHEET NO:

PROJECT NO:

FILE NAME . C.\CAFfiles\Projects\tr stdplote\A48 DGN





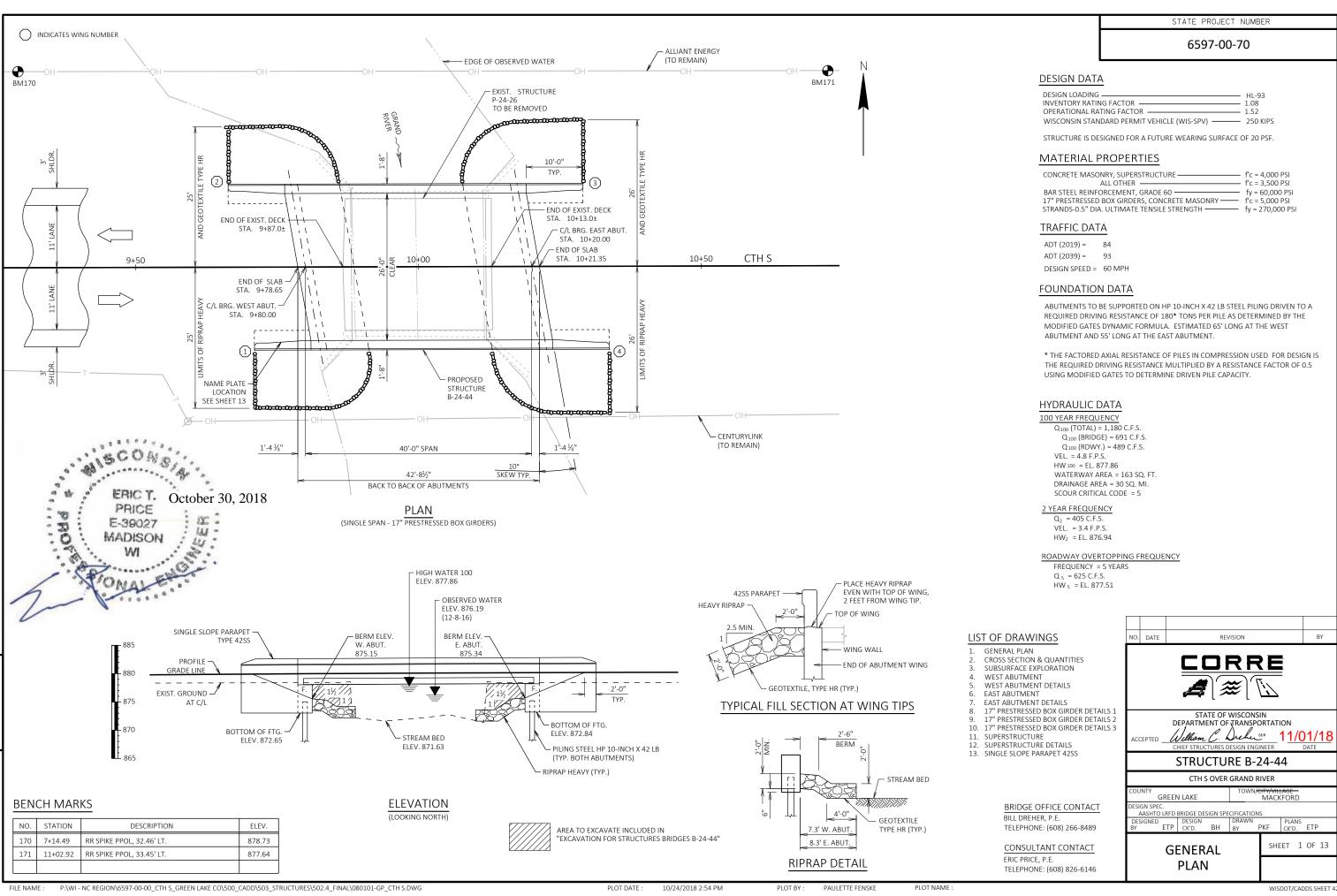
FILE NAME: C:\CAEFiles\Projects\tr_stdplate\W552.DGN

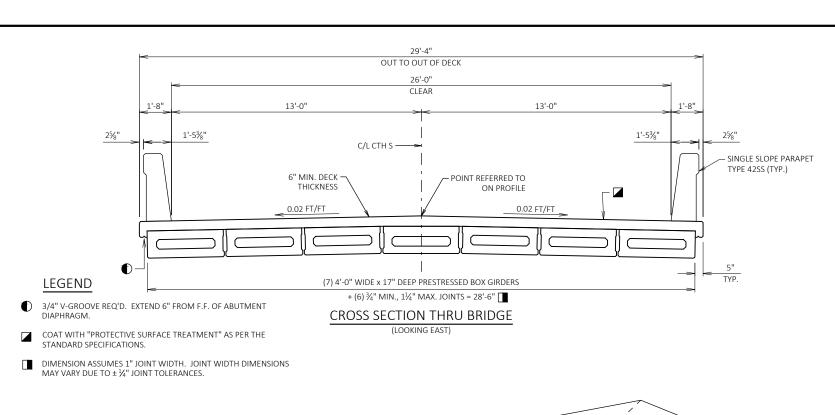
PLOT DATE: 29-MAY-2012 13:03

PLOT BY: mscsja

PLOT SCALE: 4.961899:1.000000

WISDOT/CADDS SHEET 42





-0.49%

VCL = 210'

PROFILE GRADE LINE

ABUTMENT BACKFILL QUANTITY DIAGRAM

- = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
- = AVERAGE ABUTMENT FILL HEIGHT (FT)
- = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
- $V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)$

$V_{CY} = V_{CF}(EF)/27$ $V_{TON} = V_{CY}(2.0)$

TOTAL ESTIMATED QUANTITIES

BID NUMBER	BID ITEM	UNIT	WEST ABUT.	EAST ABUT.	SUPER	TOTALS
203.0500.S	REMOVING OLD STRUCTURE OVER WATERWAY STA. 10+00	LS				1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-24-44	LS				1
206.5000	COFFERDAMS B-24-44	LS				1
210.1500	BACKFILL STRUCTURE TYPE A	TON	120	120		240
502.0100	CONCRETE MASONRY BRIDGES	CY	32	32	41	105
502.3200	PROTECTIVE SURFACE TREATMENT	SY			132	132
502.3210	PIGMENTED SURFACE SEALER	SY	10	10	42	62
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,810	1,810		3,620
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,920	1,920	5,290	9,130
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	7	7		14
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	9	9		18
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	325	275		600
606.0300	RIPRAP HEAVY	CY	60	70		130
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	95	95		190
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	27	27		54
645.0120	GEOTEXTILE TYPE HR	SY	95	70		165
SPV.0090	PRESTRESSED GIRDER BOX TYPE 17-INCH	LF			285	285
	NON-BID ITEMS					
	FILLER	SIZE				1/2" & 3/4"

GENERAL NOTES

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

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

IOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPE I. II OR III OR AASHTO DESIGNATION M213

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 THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS, OR AS DIRECTED BY THE ENGINEER.

STATE PROJECT NUMBER

6597-00-70

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-24-44" SHALL BE THE EXISTING GROUNDLINE.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES.
"BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE ENTIRE INSIDE FACE AND TOP SURFACE OF THE PARAPETS ON THE WINGS AND SUPERSTRUCTURE.

THE EXISTING STRUCTURE P-24-26, TO BE REMOVED, IS A SINGLE SPAN CONCRETE FLAT SLAB BRIDGE, 26.0 FT. LONG WITH A 23.0 FT. CLEAR ROADWAY WIDTH.

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

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

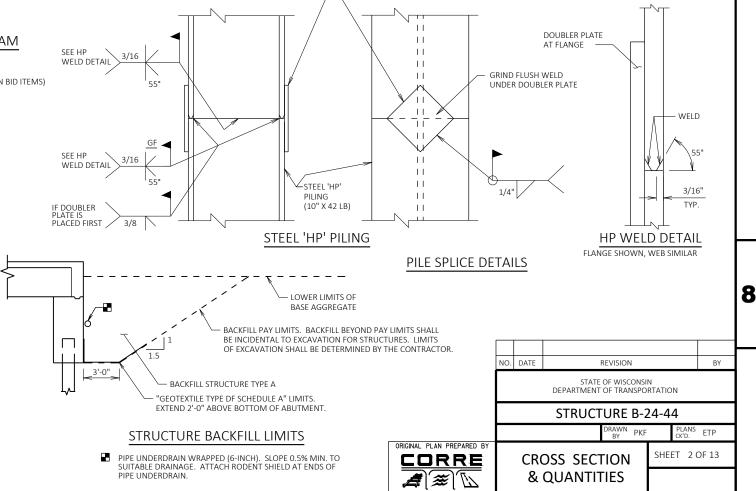
AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE

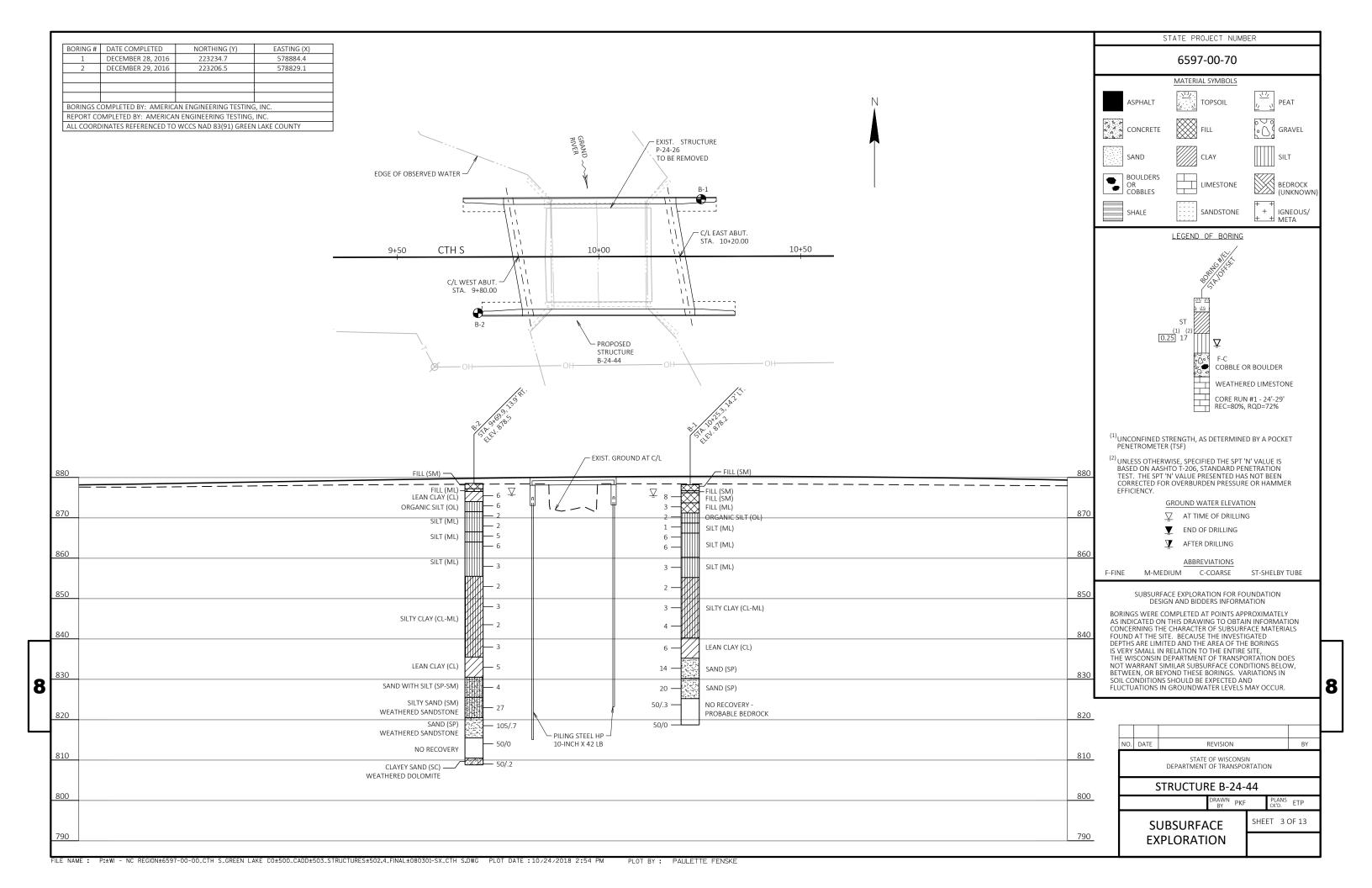
SUPERSTRUCTURE DIMENSIONS SHOWN ARE BASED ON 1" JOINTS BETWEEN GIRDERS. JOINTS ARE ALLOWED TO VARY FROM ½" TO 1½". CLEAR DISTANCE BETWEEN PARAPETS AND OUT TO OUT WIDTH OF SUPERSTRUCTURE TO BE DETERMINED AFTER POST-TENSIONING OF GIRDERS. ABUTMENT AND WING DIMENSIONS SHALL NOT VARY FROM THOSE SHOWN ON THE PLANS.

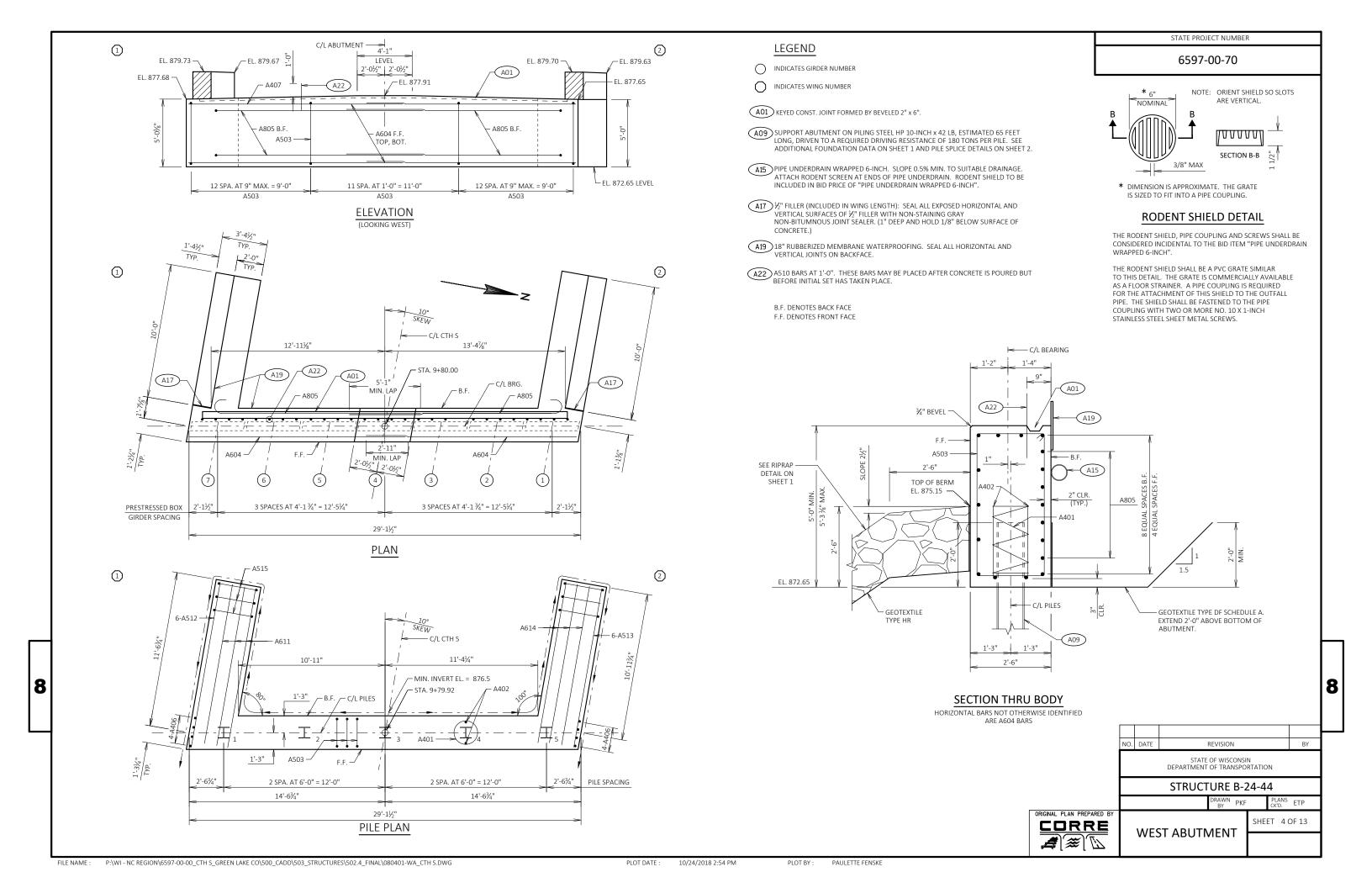
AN AVERAGE DECK THICKNESS OF 6 ½" WAS USED FOR COMPUTING THE QUANTITY FOR "CONCRETE MASONRY BRIDGES".

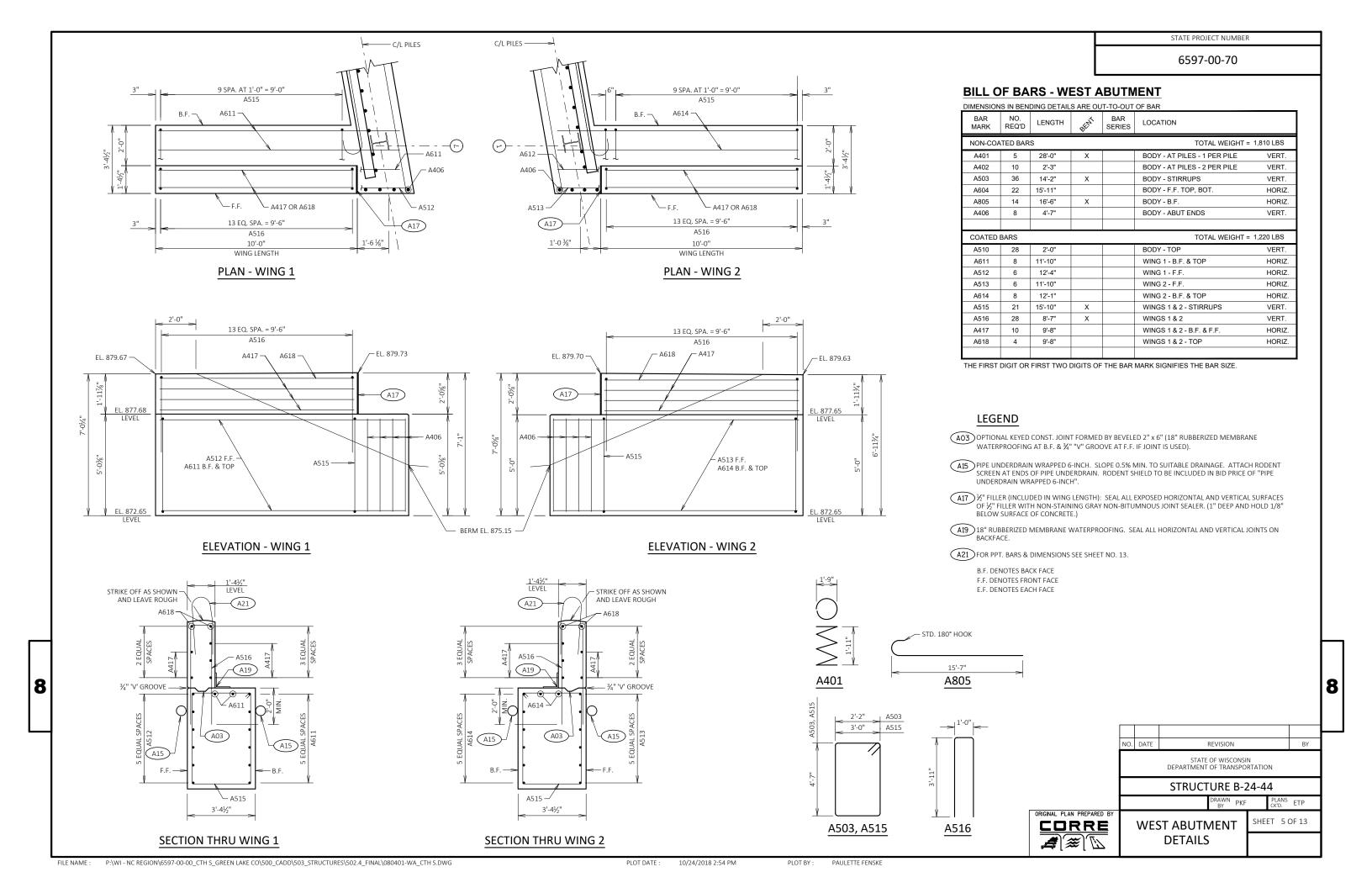
- DOUBLER PLATE 3/8" X 5" X 5"

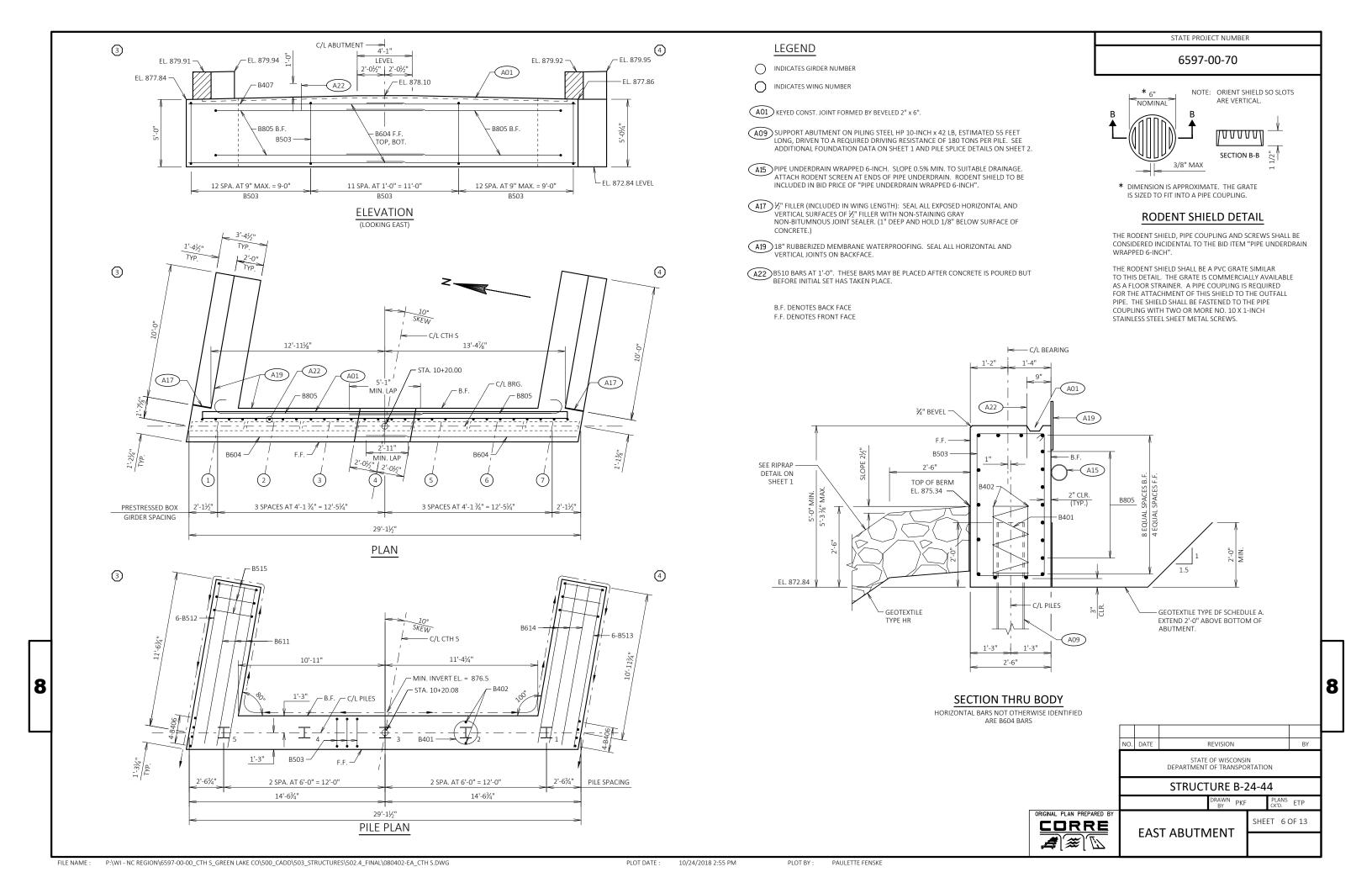
VARIATIONS TO THE GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

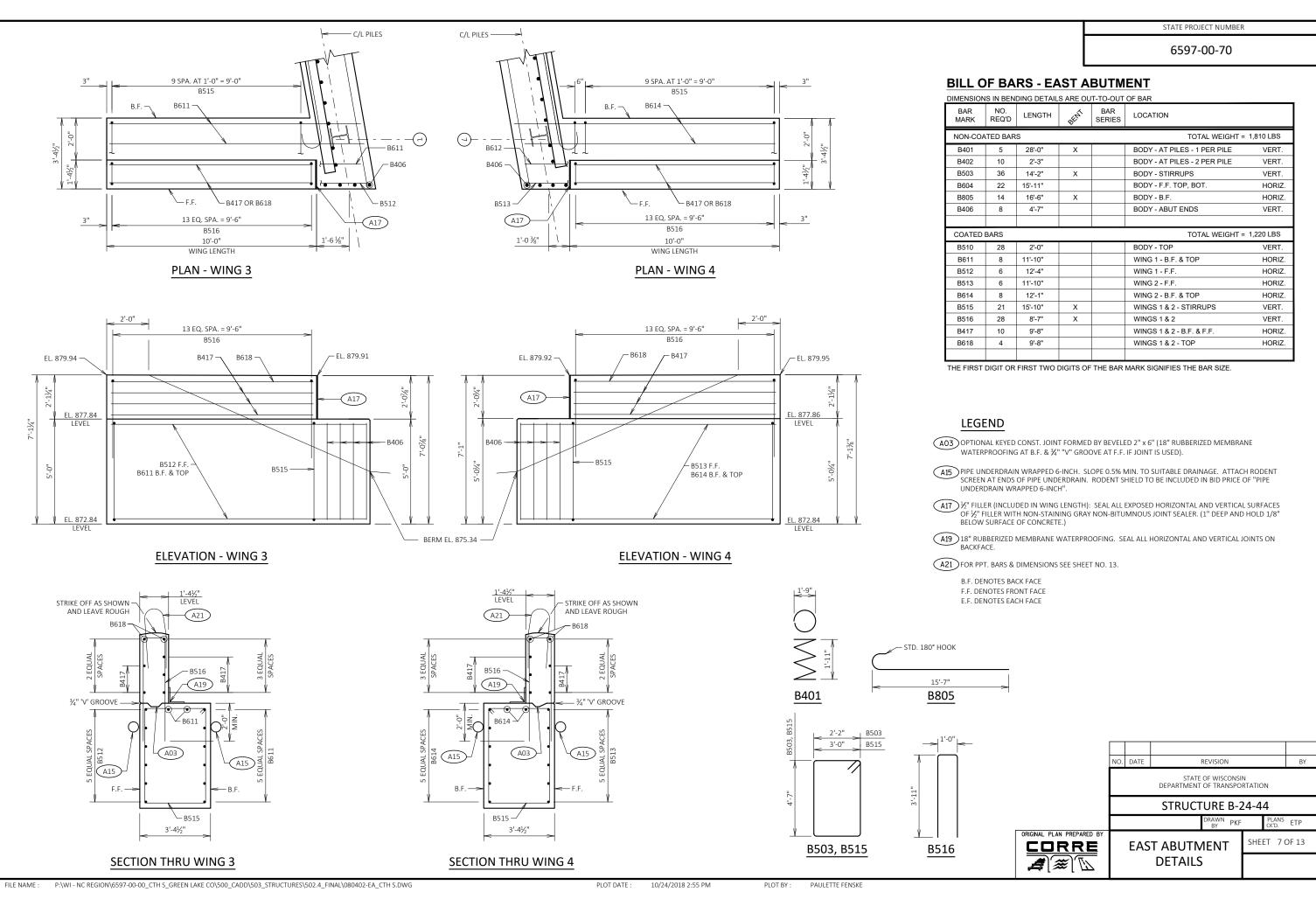






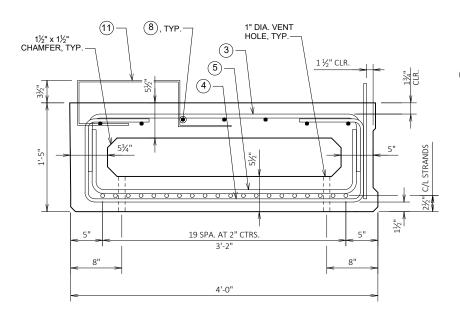


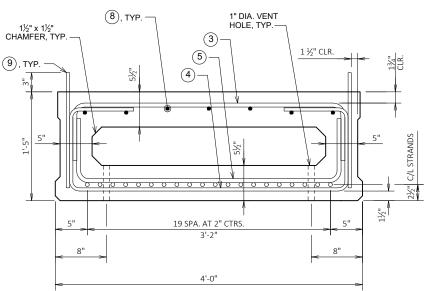




STATE PROJECT NUMBER

6597-00-70





SECTION THRU EXTERIOR GIRDER

SECTION THRU INTERIOR GIRDER

NOTES

THE CONCRETE MIX FOR THE PRESTRESSED BOX GIRDERS SHALL CONFORM TO SECTION 503.2.2 OF THE STANDARD SPECIFICATIONS.

AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO THE BOTTOM OF THE GIRDERS AND THE EXTERIOR FACE OF EXTERIOR GIRDERS. DO NOT APPLY CONCRETE SEALER OR EPOXY TO THE SHEAR KEY OR THE TOP OF GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR CONCRETE ABUTMENTS, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GRS ABUTMENTS, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS, AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

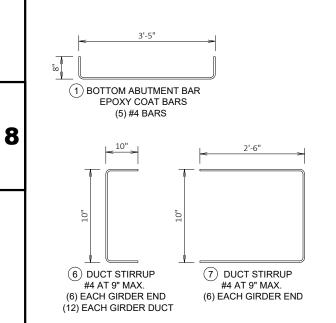
VOIDS SHALL BE VENTED AND DRAINED BY CASTING (2)-1" DIA. TUBES AT EACH END OF VOID SEGMENT. LOCATE TUBES AT BOTTOM EDGES OF THE CORNER FILLETS. AVOID STRAND LOCATIONS

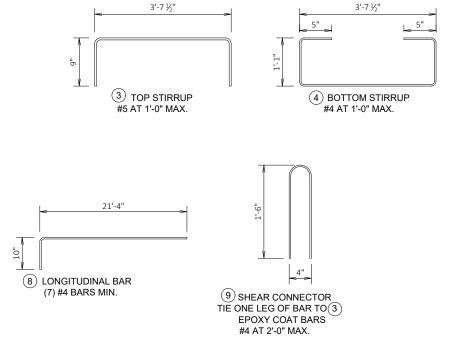
FOUR WAY SLING MUST BE USED TO ENGAGE ALL 4 LIFTING DEVICES ON BOTH ENDS OF UNITS.

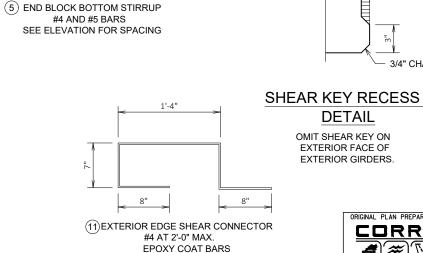
POST-TENSIONING OF THE TRANSVERSE TENDONS SHALL NOT BEGIN UNTIL THE GROUT BETWEEN THE PRECAST BOX GIRDERS HAS BEEN ALLOWED TO CURE FOR 48 HOURS AND GROUT HAS REACHED A COMPRESSIVE STRENGTH OF 3.000 PSI.

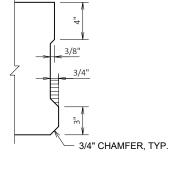
SEAL WASHER SHALL BE SPONGE NEOPRENE GASKET 31/4" MIN. THICK. STRESS POCKETS SHALL BE FILLED WITH CHLORIDE FREE NON-SHRINK GROUT AFTER POST-TENSIONING.

TRANSITION BETWEEN CHANGING SLOPES OF POST-TENSIONING DUCTS SHALL BE PROVIDED BY EITHER A CIRCULAR OR PARABOLIC CURVE WITH A MINIMUM LENGTH

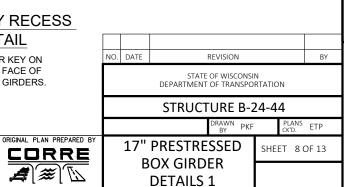


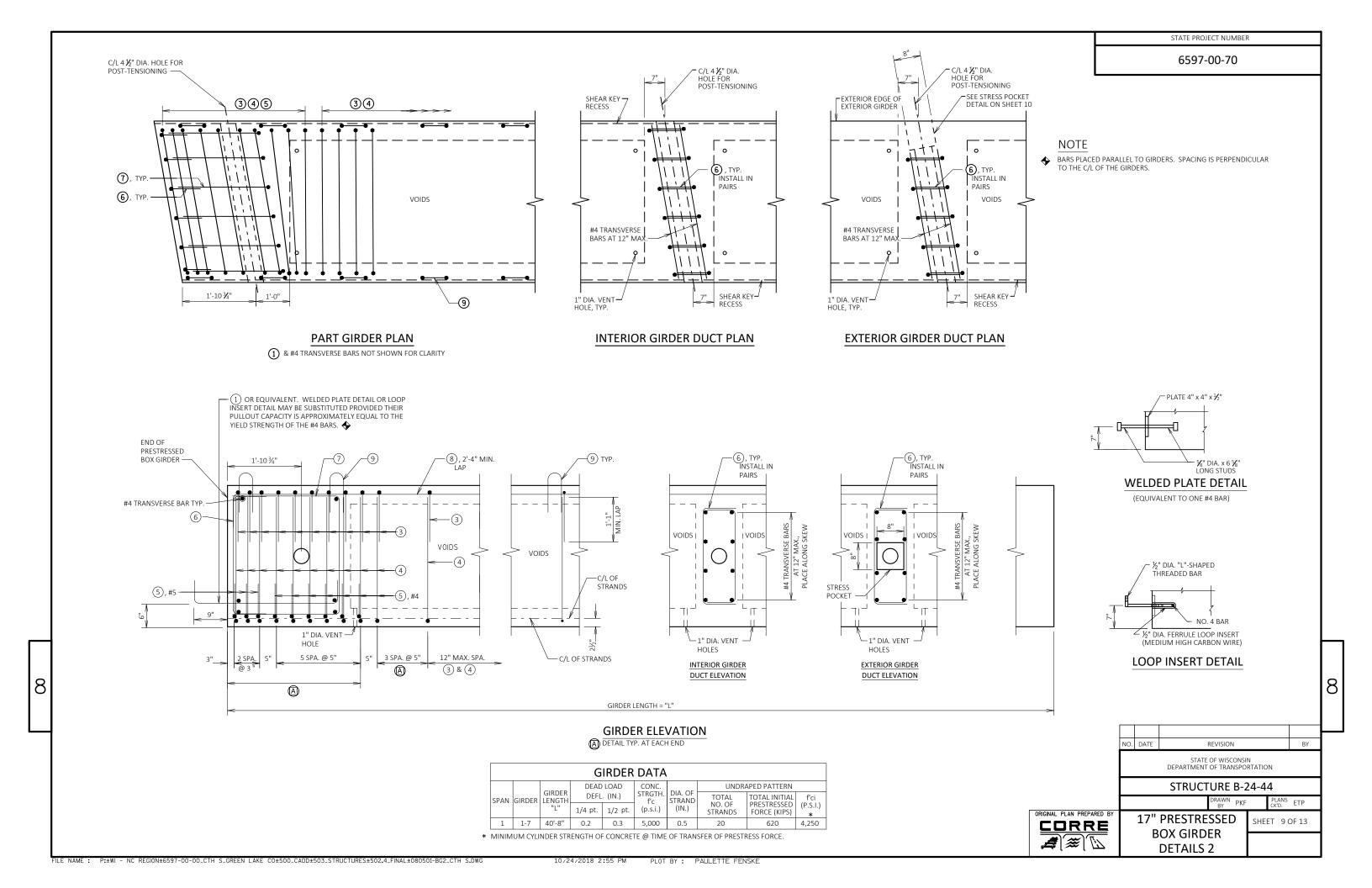






DETAIL

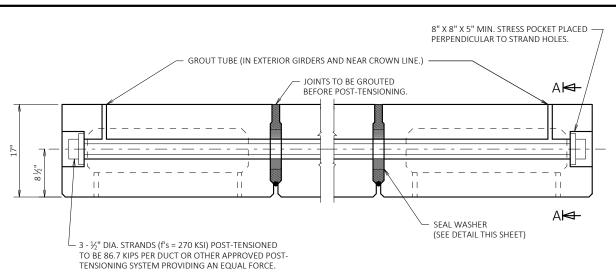




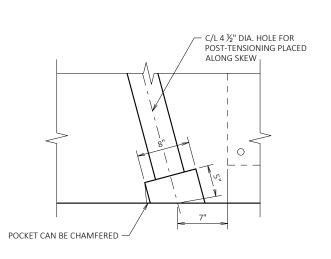
6597-00-70

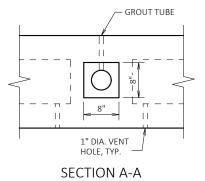
TOP OF DECK ELEVATIONS

LOCATION	WEST ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	EAST ABUT.
N. FLOW LINE	879.71	879.73	879.76	879.78	879.80	879.82	879.84	879.86	879.87	879.89	879.90
CL BRIDGE	879.98	880.01	880.03	880.05	880.07	880.09	880.11	880.13	880.14	880.16	880.17
S. FLOW LINE	879.74	879.76	879.78	879.80	879.82	879.84	879.86	879.88	879.89	879.91	879.92



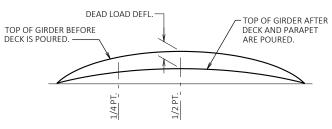
POST-TENSIONING DETAILS - ONE DUCT PER DIAPHRAGM







STRESS POCKET DETAIL



TOP OF DECK AT EDGE OF GIRDER. TOP OF PRESTRESSED BOX GIRDER TOP OF PRESTRESSED BOX GIRDER

DEAD LOAD DEFLECTION DIAGRAM

TO DETERMINE DECK THICKNESS AT GIRDER ENDS FOLLOW THIS PROCESS:

6" MIN. DECK SLAB THICKNESS

- + FIELD MEASURED GIRDER CAMBER (AT MID SPAN)
 DEADLOAD DEFLECTION (AT MIDSPAN)
- = DECK THICKNESS, t

NOTE: PLAN DECK THICKNESS BASED ON THEORETICAL INITIAL CAMBER VALUE. ½ PT. MAY BE INTERPOLATED. USE FIELD MEASURED GIRDER CAMBER FOR ACTUAL DECK THICKNESS. THE ½ PT. IS INTERPOLATED BETWEEN DECK THICKNESS AT THE END OF DECK AND MIDSPAN.

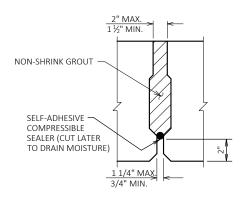
DECK THICKNESS DIAGRAM

* * THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

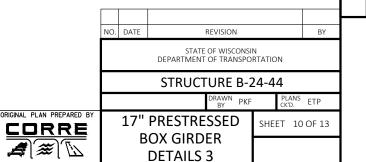
SPAN	CAMBER (IN.)	*	*
1	1.4		

THESE VALUES ARE NOT TO BE USED IN DETERMINING $\mbox{'}\mbox{t}',$ USE FIELD MEASURED GIRDER CAMBER.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



SHEAR KEY DETAIL



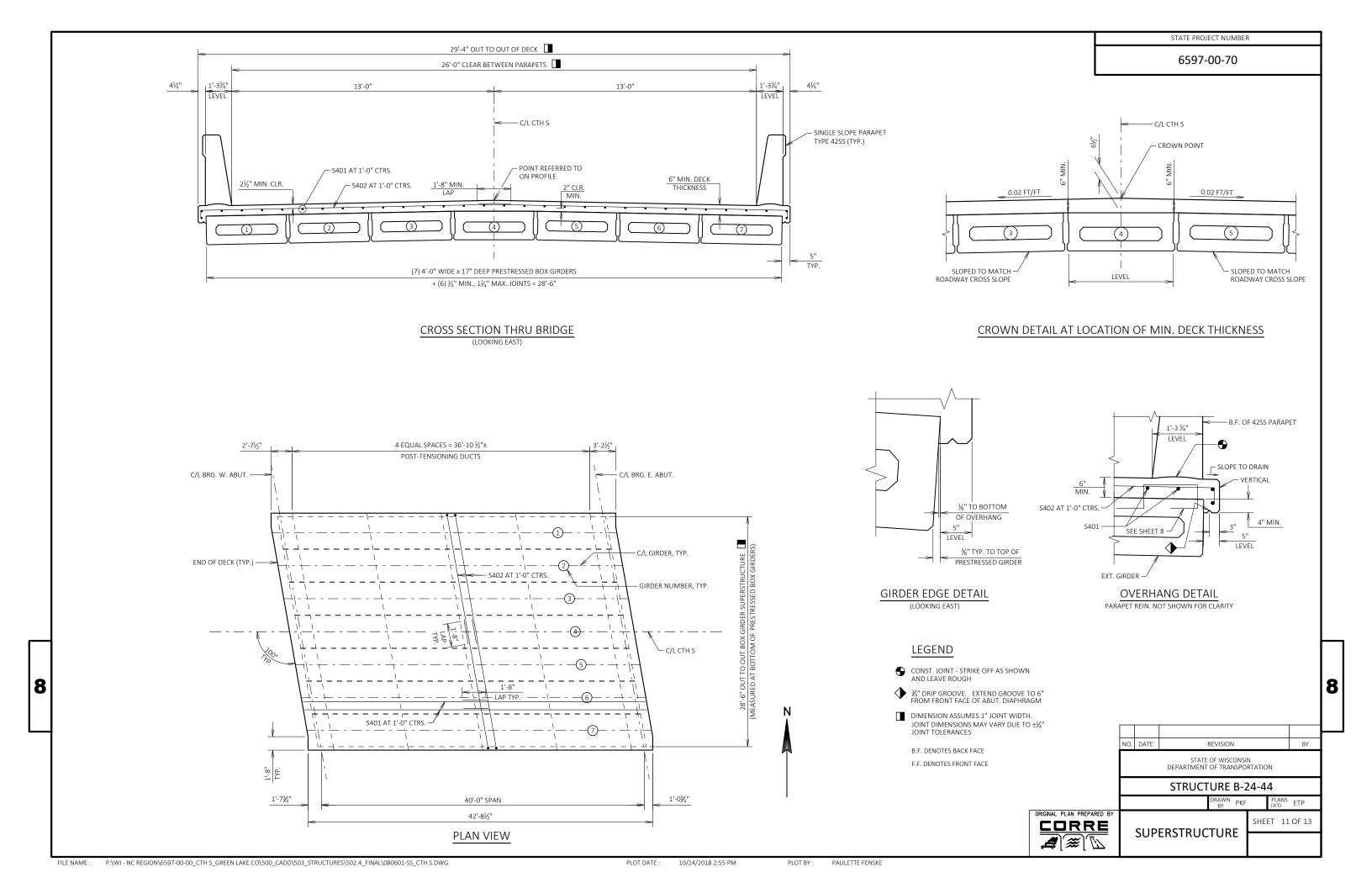
8

F NAME • P+WI - NC RECION+6597-00-00 CTH S CREEN LAKE CO+500 CADD+503 STRUCTURES+502 4 FINAL+080503-RC3 CTH S

8

10/24/2018 2:55 PM

PLOT BY: PAULETTE FENSKE



STATE PROJECT NUMBER

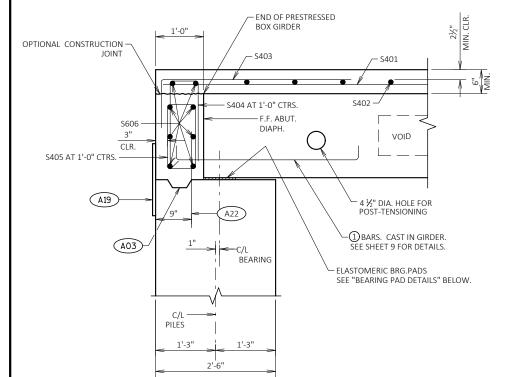
6597-00-70

BILL OF BARS - SUPERSTRUCTURE

DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION				
COATED	COATED BARS TOTAL WEIGHT = 5,290 LBS								
S401	64	22'-0"			DECK - TOP	LONGIT.			
S402	86	16'-0"	Х		DECK - TOP	TRANS.			
S403	60	4'-1"	Х		DECK - TOP - AT ABUTMENTS	LONGIT.			
S404	60	3'-10"	Х		ABUTMENT DIAPHRAGMS & DECK	VERT.			
S405	60	4'-0"	Х		ABUTMENT DIAPHRAGMS	VERT.			
S606	16	29'-5"			ABUTMENT DIAPHRAGMS	HORIZ.			
S510	130	4'-5"	Х		PARAPETS	VERT.			
S511	130	6'-8"	Х		PARAPETS	VERT.			
S512	32	22'-1"			PARAPETS	LONGIT.			

THE FIRST DIGIT OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. SEE SHEET 13 FOR PARAPET STEEL ON THE WINGS.

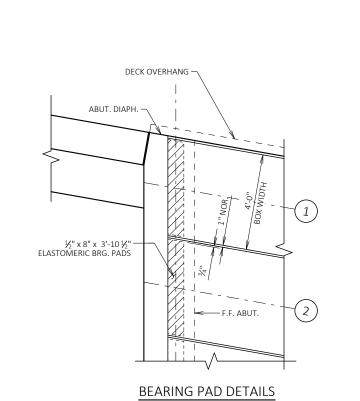


SECTION THRU SUPERSTRUCTURE

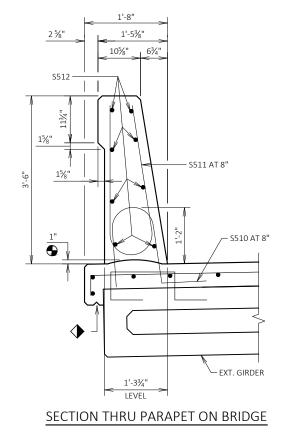
LEGEND

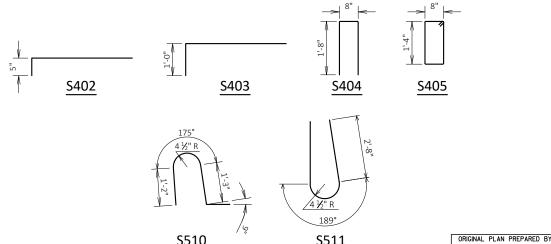
- A03 KEYED CONST. JOINT FORMED BY BEVELED 2" x 6" (18" RUBBERIZED MEMBRANE WATERPROOFING AT B.F. & 3/4" "V" GROOVE AT F.F.)
- 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.
- A22 A510 OR B510 BARS AT 1'-0". THESE BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- CONST. JOINT STRIKE OFF AS SHOWN AND LEAVE ROUGH
- ♣ ¾" DRIP GROOVE. EXTEND GROOVE TO 6"
 FROM FRONT FACE OF ABUT. DIAPHRAGM

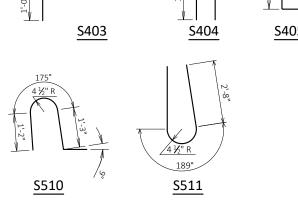
B.F. DENOTES BACK FACE F.F. DENOTES FRONT FACE

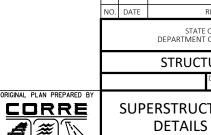


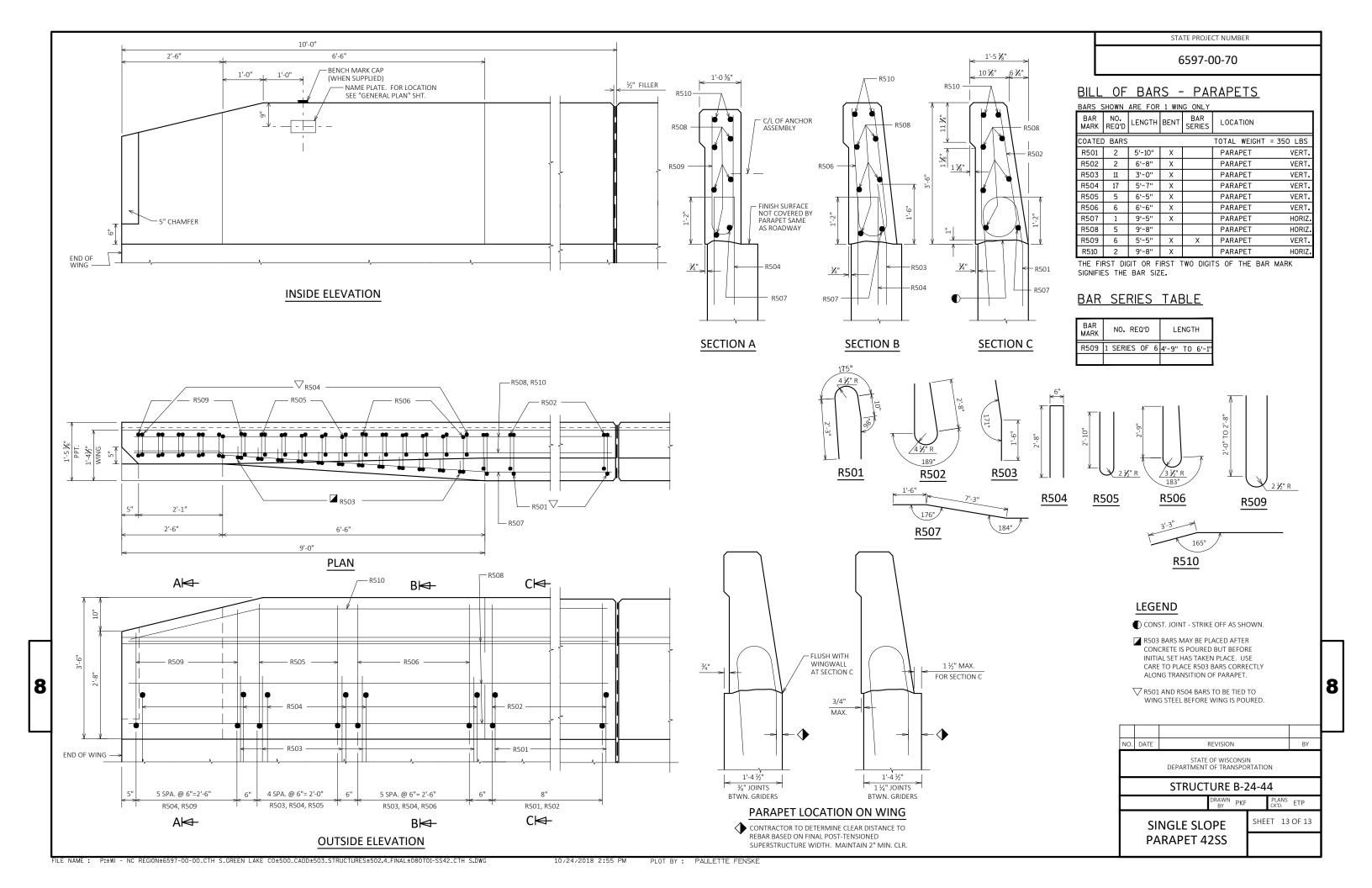
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		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulativ		
			Salvaged/Unusable			Salvaged/Unusable				
		Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Distance							1.00	1.00	
					Note 1	Note 2	Note 3	Note 1		Note 8
8+50.000	0.00	21.00	5.50	17.80	0	0	0	0	0	0
9+00.000	50.00	21.00	5.50	23.00	39	10	38	39	38	-9
9+50.000	50.00	21.00	5.50	29.53	39	10	49	78	86	-29
9+65.002	15.00	21.00	5.50	39.75	12	3	19	89	106	-40
					89	23	106			

		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Salvaged/Unusable			Salvaged/Unusable			Expanded		
		Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Distance							1.00	1.00	
					Note 1	Note 2	Note 3	Note 1		Note 8
10+49.563	0.00	21.00	5.50	59.39	0	0	0	0	0	0
11+00.000	50.00	21.00	5.50	66.32	39	10	116	39	116	-88
11+50.000	50.00	21.00	5.50	67.11	39	10	124	78	240	-183
					78	20	240			

Notes:

(1) Item number 205.0100

HWY: CTH S

(2) Salvaged/Unsuable Pavement Material is included in Cut.

(3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.

COUNTY: GREEN LAKE

(8) Available Material = Cut - Salvaged/Unusuable Pavement Material

CROSS SECTIONS: COMPUTER EARTHWORK DATA PLOT NAME :

Ε

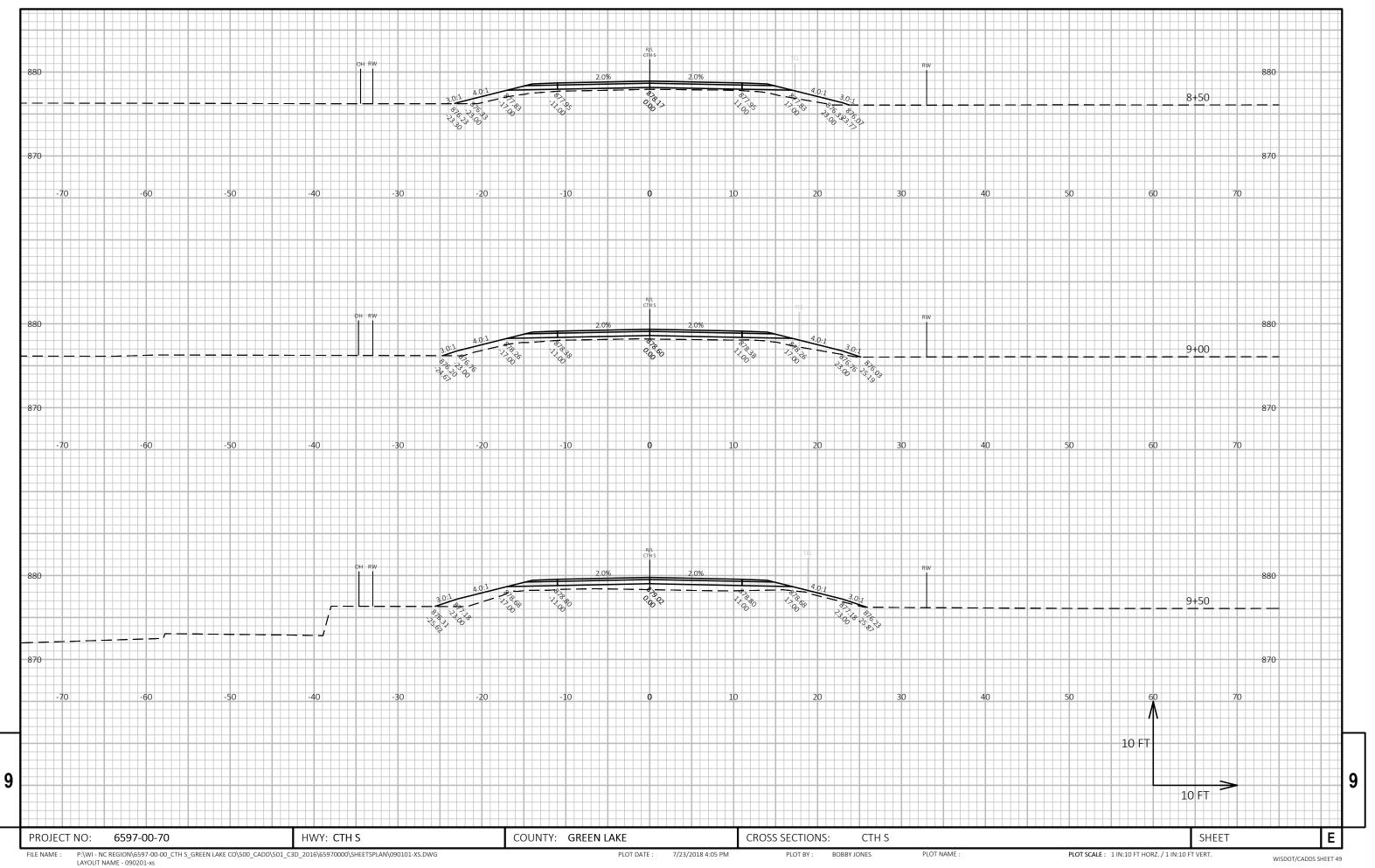
PLOT DATE : 12/17/2018 8:18 AM

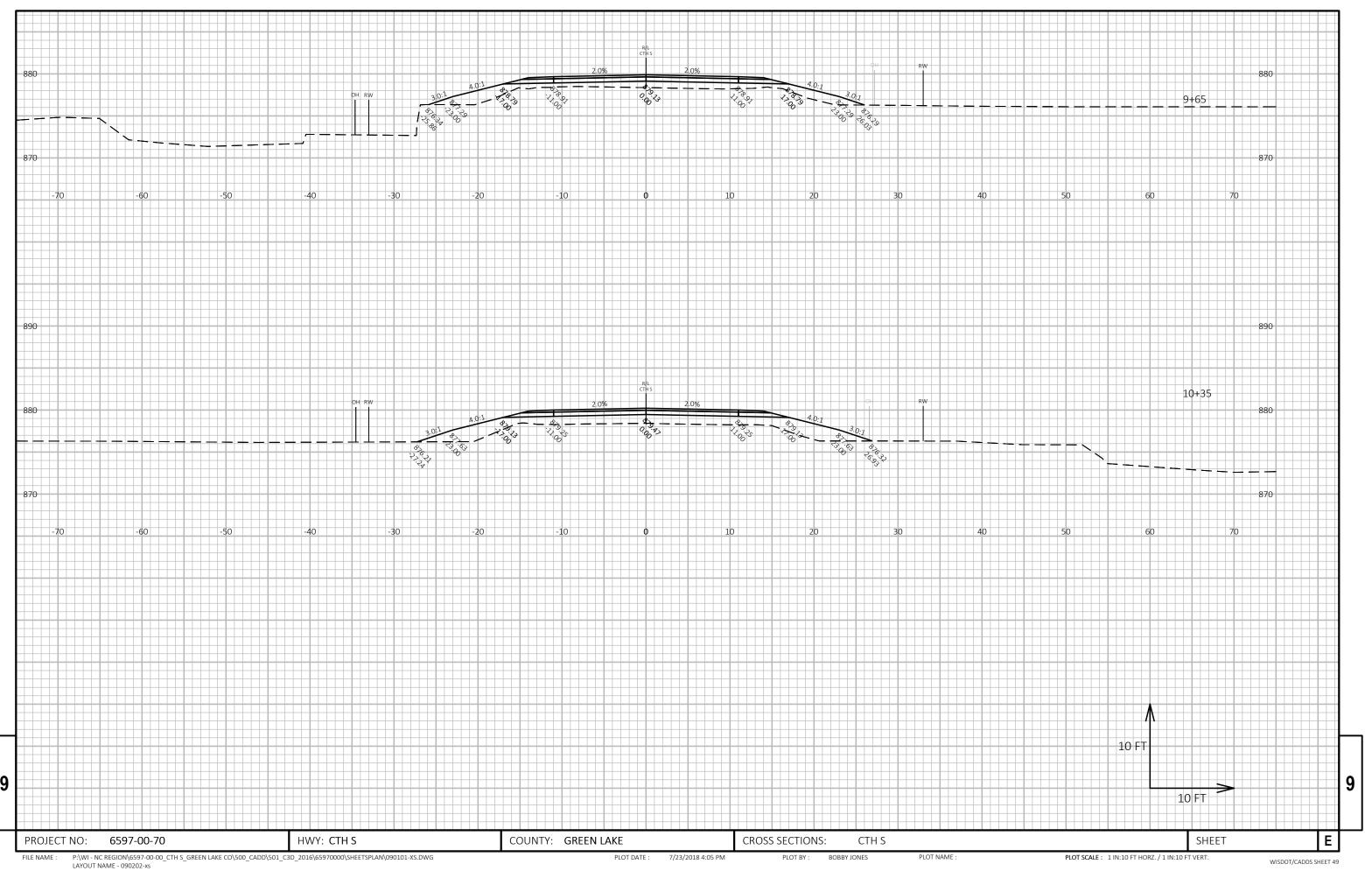
PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

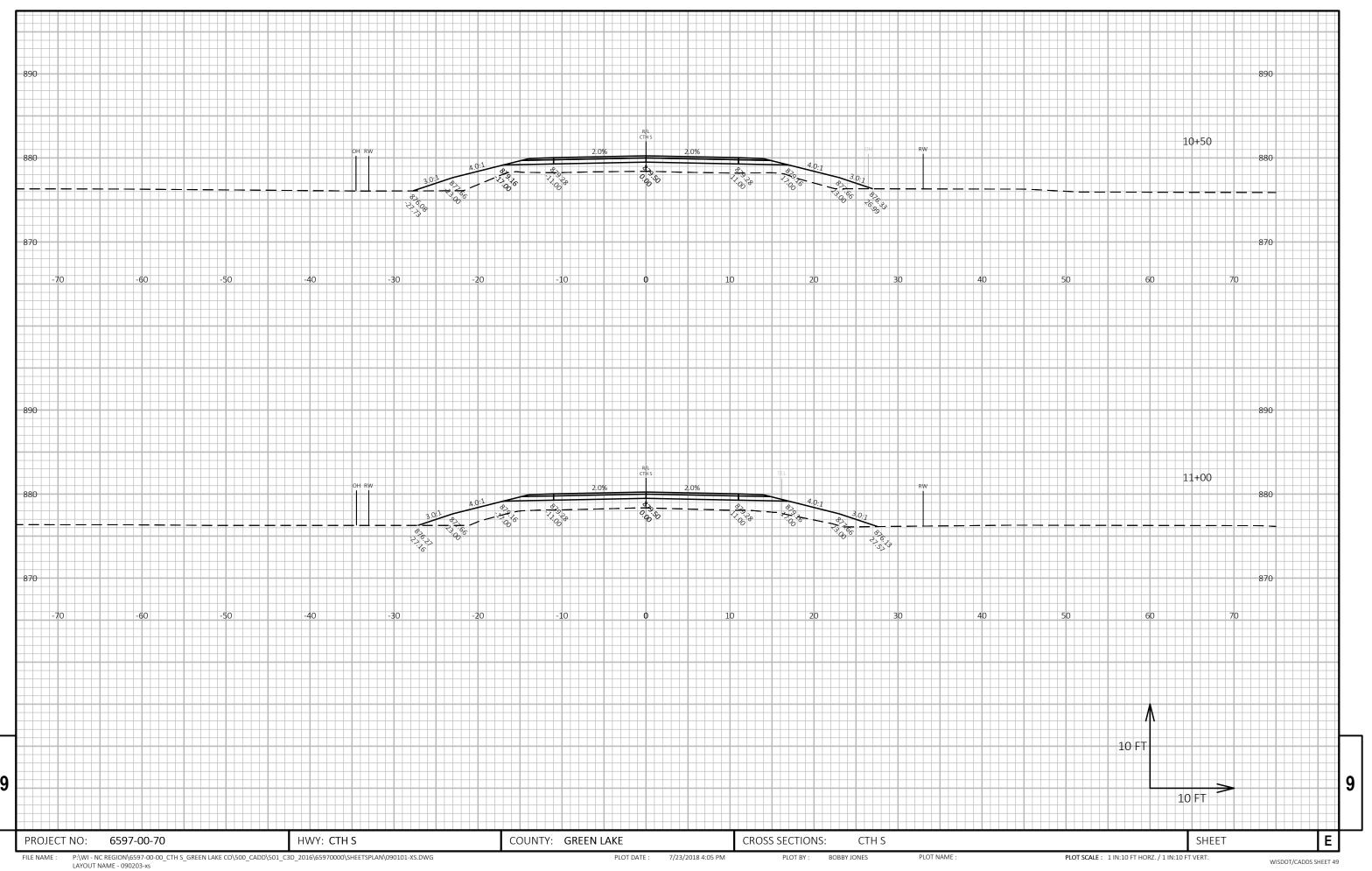
SHEET

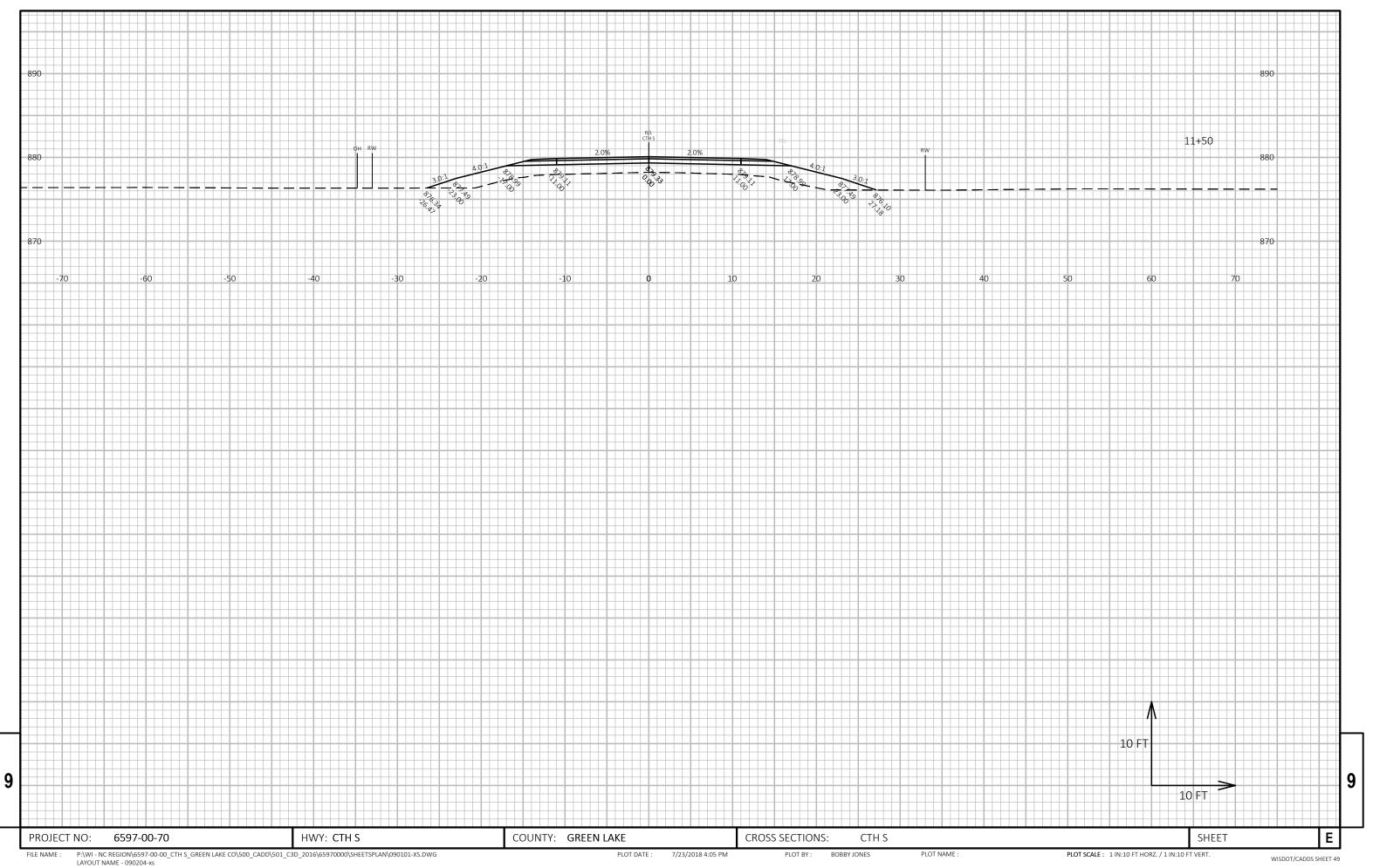
6597-00-70

PROJECT NO:











Wisconsin Department of Transportation

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