PROPERTY LINE

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

MARSH AREA

SWL	NOV 2015
PROJECT ID: 5648-00-7	ORDER OF SHEETS Section No. 1 Tit Section No. 2 Typ Section No. 3 Est Section No. 3 Mis Section No. 4 Rig Section No. 5 Plo Section No. 6 Sto Section No. 7 Sig Section No. 8 Str Section No. 9 Com Section No. 9 Com TOTAL SHEETS = 56
+>	000000000000000000000000000000000000000
соинту: LA	DESIGN DESIGNATION A.A.D.T. 2016 = 100 A.A.D.T. 2036 = 130 D.H.V. = 4.3 D.D. = 50 T. = 6.0 DESIGN SPEED = 30 ESALS = 14, CONVENTIONAL SYMBOLS PLAN
	CORPORATE LIMITS

otion No. 1 Typical Sections and Details Estimote of Ouontities

Miscelloneous Oucntities Right of Woy Plot

Plon and Profile (Includes Erasion Control)

Stondord Detoil Drowings

Structure Plons

Computer Eorthwork Data

Cross Sections

= 100

= 130

= 4.3 = 50/50 = 6.0% = 30 MPH

= 14,600

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

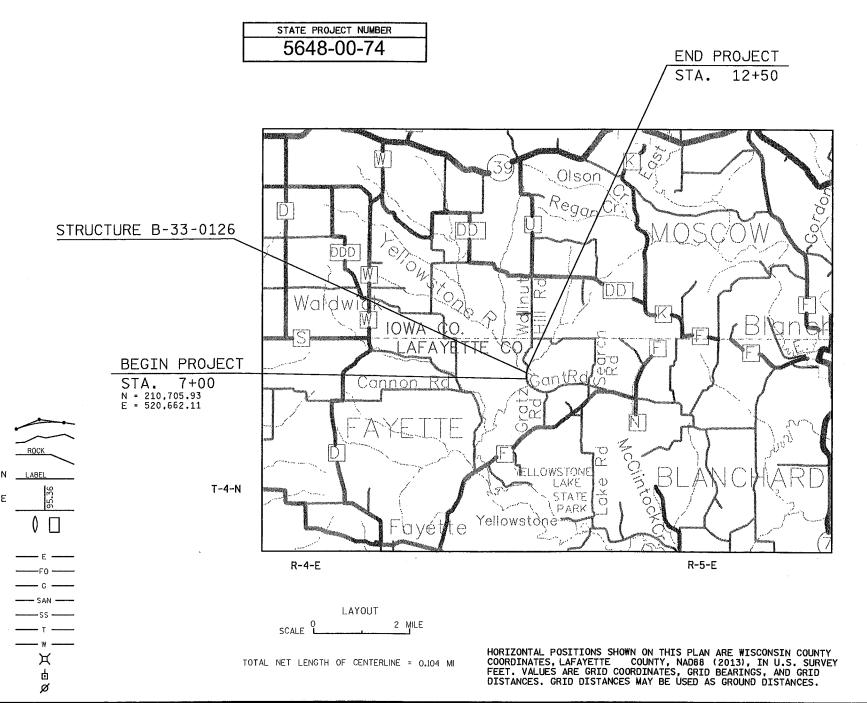
FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT WISC 2015591 5648-00-74

OF FAYETTE, GANT ROAD TOWN

(YELLOWSTONE RIVER BRIDGE B-33-0126)

TOWN ROAD

LAFAYETTE COUNTY



of <u>FAYETTE</u> ACCEPTED FOR COUNTY of LAFAYETTE ORIGINAL PLANS PREPARED BY MICHAEL J. E-31249 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY Surveyor MSA PROFESSIONAL SERVICES, INC. MSA PROFESSIONAL SERVICES, INC. Oesi aner KJOHNSON ENGINEERS

ACCEPTED FOR

FILE NAME :P:\2300S\2390S\2398\02398009\CADD\SHEETSPLAN\TITLE SHEET & TYPICAL SECTION\TITLE SHEET 2014.DWG

WATER

PROFILE GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

ELECTRIC

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER

POWER POLE

GRADE ELEVATION

MARSH OR ROCK PROFILE (To be noted as such)

CULVERT (Profile View)

PLOT DATE: 3/31/2015 9:39 AM

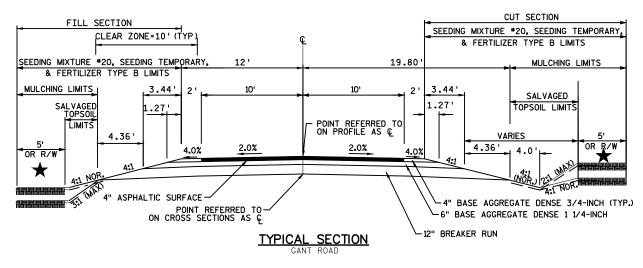
PLOT BY : SARAH GENGLER

PLOT NAME :

WISDOT/CADDS SHEET 10

EXISTING TYPICAL SECTION

GANT ROAD



DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC. ATTN: MICHAEL J. STATZ, P.E. 2901 INTERNATIONAL LANE, SUITE 300 MADISON, WI 53704-3133 PHONE: (608) 242-7779

EMAIL: MSTATZ@MSA-PS.COM LAFAYETTE COUNTY

ATTN: TOM JEAN, COMMISSIONER 12016 HILL STREET, PO BOX 100 DARLINGTON. WI 53530

PHONE: (608) 776-4919 EMAIL: TOM.JEAN@LAFAYETTECOUNTYWI.ORG

TOWN OF FAYETTE ATTN: JOHN RUF 11516 COUNTY RD. G DARLINGTON, WI 53530 PHONE: (608) 776-4048

DNR LIAISON

DEPARTMENT OF NATURAL RESOURCES ATTN.: LAURA BUB ENVIRONMENTAL REVIEW AND ANALYSIS SPECIALIST 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711-5397 PHONE: (608) 275-3485 EMAIL: LAURA.BUB@WISCONSIN.GOV

UTILITIES

NONE

GENERAL NOTES

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS SHALL BE FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER.

THERE ARE NO KNOWN UTILITY FACILITIES WITHIN THE PROJECT AREA. HOWEVER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THIS.

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

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO FAYETTE N GPS BENCHMARK WITH ELEVATION OF 1046.51 LOCATED 0.70 MILES NORTHEAST OF THE EXISTING BRIDGE, THE STATION IS A BRONZE WISDOT GEODETIC SURVEY CONTROL STATION .

THE 4" ASPHALTIC SURFACE SHALL BE CONSTRUCTED USING A 2.25" LOWER LAYER AND A 1.75" UPPER LAYER.

SILT FENCE TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND IN PLACE PRIOR TO BRIDGE REMOVAL.

TEMPORARY DITCH CHECKS, IF NEEDED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

THE ASPHALTIC SURFACE SHALL TAPER FROM 26.5 FEET AT THE END OF THE BRIDGE TO 20.0 FEET AT ± 30 FEET FROM THE BRIDGE ENDS.

WETLAND EXIST AT STA. 9+62 TO 9+75, LT/RT AND STA. 9+93 TO 10+02 LT/RT. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE SLOPE INTERCEPT IN THESE AREAS.

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
		А		В			С			D		
	SLOPE	RANGE	(PERCENT)	SLOPE RANGE (PERCENT)		SLOPE	SLOPE RANGE (PERCENT)		SLOPE RANGE (PER		(PERCENT)	
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16 .30	.22 .38	.12 .26	.20	.27 .44	.15	.24	.33 .50	.19 .34	.28	.38 .56
MEDIAN STRIP- TURF	.19	.20	.24	.19 .25	.22	.26 .33	.20	.23	.30 .37	.20	.25	.30
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30
PAVEMENT:												
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS		.75 -										
R00FS						.7595						
GRAVEL ROADS,	SHOULDE	ERS				.4060						

TOTAL PROJECT AREA = 1.33 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 1.16 ACRES

**-DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS



PROJECT NO:5648-00-74

HWY: GANT ROAD

COUNTY: LAFAYETTE

TYPICAL SECTION & GENERAL NOTES

SHEET

E

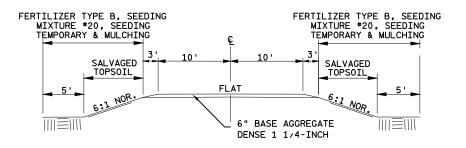
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PLOT DATE: 2/20/2015 3:12 PM

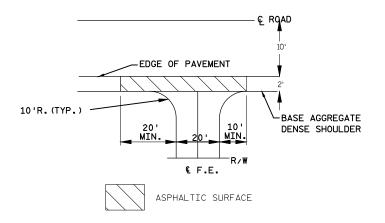
PLOT BY: SARAH GENGLER

PLOT SCALE : 1:40_XREF

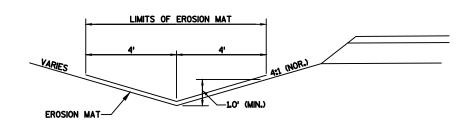
FIELD ENTRANCE DETAILS



FIELD ENTRANCE - TYPICAL SECTION



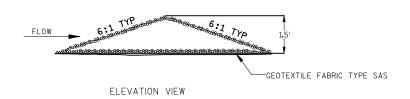
FIELD ENTRANCE PLAN



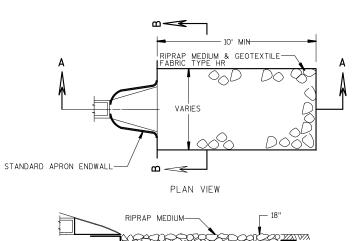
EROSION MAT DITCH DETAIL

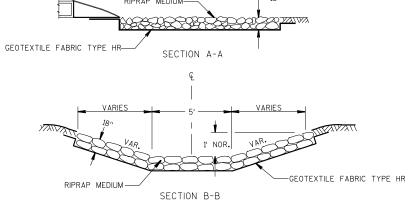


CROSS SECTIONAL VIEW



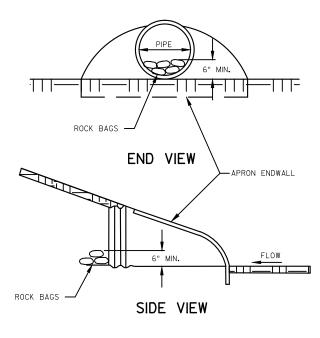
PERMANENT STONE OR ROCK DITCH CHECK DETAIL





RIPRAP MEDIUM AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

ES.	TIMATED E	BAG SIZE = 24" X 12" X 6"
PIPE	SIZE	ESTIMATED NO. OF BAGS
12	2"	1
18	3"	2
2	4"	3
3	0"	5
4	8"	10
5	4"	10
6	0"	13
7	2"	16



CULVERT PIPE CHECKS
INSTALL ON INLET PIPE

PROJECT NO:5648-00-74 HWY:GANT ROAD COUNTY:LAFAYETTE DETAILS SHEET E

DATE 06	AUG15	E S	TIMAT	E O F Q U A N	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	5648-00-74 QUANTI TY
0010	201. 0105	CI eari ng	STA	2. 000	2. 000
0020	201. 0205	Grubbi ng Bomovi ng Small Di na Culventa	STA EACH	2.000	2. 000 1. 000
0030 0040	203. 0100 203. 0600. S	Removing Small Pipe Culverts S Removing Old Structure Over Waterway	LS	1. 000 1. 000	1. 000
0050	205. 0100	With Minimal Debris (station) 01. 9+94 Excavation Common	CY	724. 000	724. 000
		Excavati on Rock			
0060 0070	205. 0200 206. 1000	Excavation for Structures Bridges	CY LS	74. 000 1. 000	74. 000 1. 000
0000	209 0100	(structure) 01. B-33-0126	CV	2 717 000	2 717 000
0080 0090	208. 0100 210. 0100	Borrow Backfill Structure	CY CY	2, 717. 000 160. 000	2, 717. 000 160. 000
0100	213. 0100	Finishing Roadway (project) 01.	EACH	1. 000	1. 000
		5648-00-74			
0110	305. 0110	Base Aggregate Dense 3/4-Inch	TON	55. 000	55. 000
0120	305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	570.000	570.000
0130 0140	311. 0110 455. 0605	Breaker Run Tack Coat	TON GAL	1, 340. 000 60. 000	1, 340. 000 60. 000
0150	465. 0105	Asphaltic Surface	TON	250. 000	250. 000
0160	502. 0100	Concrete Masonry Bridges	CY	136. 000	136. 000
0170	502. 3200	Protective Surface Treatment	SY	280. 000	280. 000
0180	503. 0137	Prestressed Girder Type I 36W-Inch	LF	284.000	284. 000
0190	505. 0405	Bar Steel Reinforcement HS Bridges Bar Steel Reinforcement HS Coated	LB LB	3, 090. 000 15, 660. 000	3, 090. 000 15, 660. 000
0200	505. 0605	Bri dges	LU	13, 000. 000	13, 000. 000
0210	506. 2605	Bearing Pads Elastomeric Non-Laminated	EACH	8. 000	8. 000
0210	506. 4000	Steel Diaphragms (structure) 01.	EACH	3. 000	3. 000
0230	511. 1200	B-33-0126 Temporary Shoring (structure) 01.	SF	195. 000	195. 000
		B-33-0126			
0240	513. 4060	Railing Tubular Type M (structure) 01. B-33-0126	LS	1. 000	1. 000
0250	516. 0500	Rubberized Membrane Waterproofing	SY	19. 000	19. 000
0260	520. 0118	Culvert Pipe Class III 18-Inch	LF	68. 000	68. 000
0270	520. 1018 550. 1100	Apron Endwalls for Culvert Pipe 18-Inch	EACH	4.000	4. 000
0280 0290	550. 1100 603. 8000	Piling Steel HP 10-Inch X 42 Lb Concrete Barrier Temporary Precast	LF LF	350. 000 50. 000	350. 000 50. 000
		Del i vered			
0300	603. 8125	Concrete Barrier Temporary Precast Installed	LF	50. 000	50. 000
0310	606. 0200	Riprap Medium	CY CY	32. 000 530. 000	32. 000 530. 000
0320 0330	606. 0300 612. 0406	Riprap Heavy Pipe Underdrain Wrapped 6-Inch	LF	185. 000	185. 000
0340	614. 0920	Sal vaged Rai I	LF	65.000	65. 000
0350	619. 1000	Mobilization	EACH	1. 000	1. 000
0360	624. 0100	Water	MGAL	12. 000	12. 000
0370	625. 0500	Sal vaged Topsoi I	SY	2, 520. 000	2, 520. 000
0380 0390	627. 0200 628. 1104	Mul chi ng Erosi on Bal es	SY EACH	2, 200. 000 50. 000	2, 200. 000 50. 000
0400	628. 1504	Silt Fence	LF	900.000	900. 000
0410	628. 1520	Silt Fence Maintenance	LF	1, 800. 000	1, 800. 000
0420	628. 1905	Mobilizations Erosion Control	EACH	2.000	2. 000
0430	628. 1910	Mobilizations Emergency Erosion Control	EACH	1.000	1. 000
0440 0450	628. 2004 628. 2006	Erosion Mat Class I Type B Erosion Mat Urban Class I Type A	SY SY	350. 000 50. 000	350. 000 50. 000
0460	628. 2023	Erosion Mat Class II Type B	SY	550. 000	550. 000

LINE	DATE 06	AUG15	EST	IMAT	E OF QUANT	
0470 628.6005 Turbidity Barriers SY 330.000 330.000 0480 628.7504 Temporary Ditch Checks LF 50.000 50.000 0490 628.7555 Cul vert Pipe Checks EACH 4.000 4.000 0500 628.7560 Tracking Pads EACH 2.000 2.000 0510 628.7560.S Stone or Rock Ditch Checks CY 10.000 10.000 0520 629.0210 Fertilizer Type B CWT 2.500 2.500 0530 630.0120 Seeding Mixture No. 20 LB 110.000 110.000 0540 630.0200 Seeding Temporary LB 55.000 55.000 0550 631.1100 Sod Erosi on Control SY 50.000 50.000 0550 633.5100 Markers Row EACH 18.000 18.000 0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 637.2210 Signs Type II Reflective H SF 12.000 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
0480 628. 7504 Temporary Ditch Checks LF 50. 000 50. 000 0490 628. 7555 Cul vert Pipe Checks EACH 4. 000 4. 000 0500 628. 7560 Tracking Pads EACH 2. 000 2. 000 0510 628. 7560. S Stone or Rock Ditch Checks CY 10. 000 10. 000 0520 629. 0210 Fertilizer Type B CWT 2. 500 2. 500 0530 630. 0120 Seeding Mixture No. 20 LB 110. 000 110. 000 0540 630. 0200 Seeding Temporary LB 55. 000 55. 000 0550 631. 1100 Sod Erosi on Control SY 50. 000 50. 000 0550 631. 1100 Markers Row EACH 18. 000 18. 000 0560 633. 5100 Markers Row EACH 18. 000 18. 000 0570 634. 0612 Posts Wood 4x6-Inch X 12-FT EACH 4. 000 4. 000 0580 634. 0616 Posts Wood 4x6-Inch X 16-FT EACH						
0490 628, 7555 Culvert Pipe Checks EACH 4.000 4.000 0500 628, 7560 Tracking Pads EACH 2.000 2.000 0510 628, 7560. S Stone or Rock Ditch Checks CY 10.000 10.000 0520 629, 0210 Fertilizer Type B CWT 2.500 2.500 0530 630, 0120 Seeding Mixture No. 20 LB 110,000 110,000 0540 630, 0200 Seeding Temporary LB 55,000 55,000 0550 631, 1100 Sod Erosi on Control SY 50,000 50,000 0560 633, 5100 Markers Row EACH 18,000 18,000 0570 634,0612 Posts Wood 4x6-Inch X 16-FT EACH 1,000 1,000 0580 634,0616 Posts Wood 4x6-Inch X 16-FT EACH 1,000 1,000 0590 637,2230 Signs Type II Reflective H SF 12,000 12,000 0600 637,2230 Signs Type II Reflective F SF 13,000						
0500 628.7560 Tracking Pads EACH 2.000 2.000 0510 628.7560. S Stone or Rock Ditch Checks CY 10.000 10.000 0520 629.0210 Fertilizer Type B CWT 2.500 2.500 0530 630.0200 Seeding Mixture No. 20 LB 110.000 110.000 0540 630.0200 Seeding Temporary LB 55.000 55.000 0550 631.1100 Sod Erosi on Control SY 50.000 55.000 0550 631.1100 Markers Row EACH 18.000 18.000 0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 634.0612 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 1.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000						
0510 628.7560. S Stone or Rock Ditch Checks CY 10.000 10.000 0520 629.0210 Fertilizer Type B CWT 2.500 2.500 0530 630.0120 Seeding Mixture No. 20 LB 110.000 110.000 0540 630.0200 Seeding Temporary LB 55.000 55.000 0550 631.1100 Sod Erosi on Control SY 50.000 50.000 0550 631.1100 Markers Row EACH 18.000 18.000 0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 12.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000 1.000 0620 643.0100 Traffic Control (project) 01. 5648-00-74 EACH <td>0490</td> <td>628. 7555</td> <td>Culvert Pipe Checks</td> <td>EACH</td> <td>4. 000</td> <td>4. 000</td>	0490	628. 7555	Culvert Pipe Checks	EACH	4. 000	4. 000
0520 629.0210 Fertilizer Type B CWT 2.500 2.500 0530 630.0120 Seeding Mixture No. 20 LB 110.000 110.000 0540 630.0200 Seeding Temporary LB 55.000 55.000 0550 631.1100 Sod Erosi on Control SY 50.000 50.000 0560 633.5100 Markers Row EACH 18.000 18.000 0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 12.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000 1.000 0620 643.0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0640 645.0140 Geotextile Fabric Type SAS	0500	628. 7560	Tracking Pads	EACH	2. 000	2. 000
0530 630.0120 Seeding Mixture No. 20 LB 110.000 110.000 0540 630.0200 Seeding Temporary LB 55.000 55.000 0550 631.1100 Sod Erosi on Control SY 50.000 55.000 0550 631.1100 Markers Row EACH 18.000 18.000 0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 12.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000 1.000 0620 643.0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0630 645.0120 Geotextile Fabric Type BAS SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SA			Stone or Rock Ditch Checks			
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0540 630.0200 Seeding Temporary LB 55.000 55.000 0550 631.1100 Sod Erosi on Control SY 50.000 55.000 0560 631.1100 Markers Row EACH 18.000 18.000 0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 12.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000 1.000 0620 643.0100 Traffic Control (project) 01.5648-00-74 EACH 1.000 1.000 0630 645.0120 Geotextile Fabric Type BAS SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SAS SY 40.000 478.000 0650 650.4500 Construction Staking Su	0530	630. 0120	Seeding Mixture No. 20	LB	110. 000	110.000
0550 631.1100 Sod Erosi on Control SY 50.000 50.000 0560 633.5100 Markers Row EACH 18.000 18.000 0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 12.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000 1.000 0620 643.0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0630 645.0120 Geotextile Fabric Type BAS SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 450.4500 Construction Staking Subgrade LF 478.000 478.000 0660 650.5000 Construct	0540	630. 0200	Seeding Temporary		55.000	55.000
0570 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 4.000 0580 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 12.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000 1.000 0620 643.0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0630 645.0120 Geotextile Fabric Type HR SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650.4500 Construction Staking Subgrade LF 478.000 478.000 0660 650.5000 Construction Staking Structure Layout LS 1.000 1.000 0680 650.6500 Construction Staking Supplemental LS LS 1.000 1.000 0690 650.9910	0550				50. 000	50.000
0580 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 1.000 1.000 0590 637.2210 Signs Type II Reflective H SF 12.000 12.000 0600 637.2230 Signs Type II Reflective F SF 13.000 13.000 0610 642.5001 Field Office Type B EACH 1.000 1.000 0620 643.0100 Traffic Control (project) 01.5648-00-74 EACH 1.000 1.000 0630 645.0120 Geotextile Fabric Type HR SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650.4500 Construction Staking Subgrade LF 478.000 478.000 0660 650.5000 Construction Staking Pipe Culverts EACH 2.000 2.000 0680 650.6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650.9910 Construction Staking Supplemental Control (project) 01. 5648-00-74 LF 478.000	0560	633. 5100	Markers Row	EACH	18. 000	18. 000
0590 637. 2210 Signs Type II Reflective H SF 12.000 12.000 0600 637. 2230 Signs Type II Reflective F SF 13.000 13.000 0610 642. 5001 Field Office Type B EACH 1.000 1.000 0620 643. 0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0630 645. 0120 Geotextile Fabric Type BR SY 937.000 937.000 0640 645. 0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650. 4500 Construction Staking Subgrade LF 478.000 478.000 0660 650. 5000 Construction Staking Base LF 478.000 478.000 0670 650. 6500 Construction Staking Structure Layout LS 1.000 1.000 0690 650. 9910 Construction Staking Supplemental LS LS 1.000 1.000 0700 650. 9920 Construction Staking Slope Stakes LF 478.000 478.000	0570	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4. 000	4.000
0600 637. 2230 Signs Type II Reflective F SF 13.000 13.000 0610 642. 5001 Field Office Type B EACH 1.000 1.000 0620 643. 0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0630 645. 0120 Geotextile Fabric Type HR SY 937.000 937.000 0640 645. 0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650. 4500 Construction Staking Subgrade LF 478.000 478.000 0660 650. 5000 Construction Staking Base LF 478.000 478.000 0670 650. 6000 Construction Staking Structure Layout LS 1.000 1.000 0680 650. 6500 Construction Staking Supplemental LS 1.000 1.000 0690 650. 9910 Construction Staking Supplemental Control (project) 01. 5648-00-74 LF 478.000 478.000 0700 650. 9920 Construction Staking Slope Stakes LF 478.000 478.000	0580	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	1. 000	1.000
0600 637. 2230 Signs Type II Reflective F SF 13.000 13.000 0610 642. 5001 Field Office Type B EACH 1.000 1.000 0620 643. 0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0630 645. 0120 Geotextile Fabric Type HR SY 937.000 937.000 0640 645. 0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650. 4500 Construction Staking Subgrade LF 478.000 478.000 0660 650. 5000 Construction Staking Base LF 478.000 478.000 0670 650. 6000 Construction Staking Structure Layout LS 1.000 1.000 0680 650. 6500 Construction Staking Supplemental LS 1.000 1.000 0690 650. 9910 Construction Staking Supplemental Control (project) 01. 5648-00-74 LF 478.000 478.000 0700 650. 9920 Construction Staking Slope Stakes LF 478.000 478.000	0590	637. 2210	Signs Type II Reflective H	SF	12. 000	12.000
0620 643.0100 Traffic Control (project) 01. 5648-00-74 EACH 1.000 1.000 0630 645.0120 Geotextile Fabric Type HR SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650.4500 Construction Staking Subgrade LF 478.000 478.000 0660 650.5000 Construction Staking Base LF 478.000 478.000 0670 650.600 Construction Staking Pipe Culverts EACH 2.000 2.000 0680 650.6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650.9910 Construction Staking Supplemental (project) 01. 5648-00-74 LS 1.000 478.000 0700 650.9920 Construction Staking Slope Stakes LF 478.000 478.000	0600	637. 2230		SF	13. 000	13. 000
0630 645.0120 Geotextile Fabric Type HR SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650.4500 Construction Staking Subgrade LF 478.000 478.000 0660 650.5000 Construction Staking Base LF 478.000 478.000 0670 650.6000 Construction Staking Pipe Culverts EACH 2.000 2.000 0680 650.6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650.9910 Construction Staking Supplemental Control (project) 01. 5648-00-74 LS 1.000 1.000 0700 650.9920 Construction Staking Slope Stakes LF 478.000 478.000			Field Office Type B			
0630 645.0120 Geotextile Fabric Type HR SY 937.000 937.000 0640 645.0140 Geotextile Fabric Type SAS SY 40.000 40.000 0650 650.4500 Construction Staking Subgrade LF 478.000 478.000 0660 650.5000 Construction Staking Base LF 478.000 478.000 0670 650.6000 Construction Staking Pipe Culverts EACH 2.000 2.000 0680 650.6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650.9910 Construction Staking Supplemental Control (project) 01. 5648-00-74 LS 1.000 1.000 0700 650.9920 Construction Staking Slope Stakes LF 478.000 478.000	0620	643.0100	Traffic Control (project) 01. 5648-00-74	EACH	1. 000	1. 000
0650 650. 4500 Construction Staking Subgrade LF 478.000 478.000 0660 650. 5000 Construction Staking Base LF 478.000 478.000 0670 650. 6000 Construction Staking Pipe Culverts EACH 2.000 2.000 0680 650. 6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650. 9910 Construction Staking Supplemental Control (project) 01. 5648-00-74 LS 1.000 1.000 0700 650. 9920 Construction Staking Slope Stakes LF 478.000 478.000	0630	645. 0120	Geotextile Fabric Type HR	SY	937. 000	937.000
0660 650.5000 Construction Staking Base LF 478.000 478.000 0670 650.6000 Construction Staking Pipe Culverts EACH 2.000 2.000 0680 650.6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650.9910 Construction Staking Supplemental Control (project) 01. 5648-00-74 LS 1.000 1.000 0700 650.9920 Construction Staking Slope Stakes LF 478.000 478.000	0640	645. 0140	Geotextile Fabric Type SAS	SY	40. 000	40.000
0670 650. 6000 Construction Staking Pipe Culverts EACH 2.000 2.000 0680 650. 6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650. 9910 Construction Staking Supplemental (project) 01. 5648-00-74 LS 1.000 1.000 0700 650. 9920 Construction Staking Slope Stakes LF 478.000 478.000	0650	650. 4500	Construction Staking Subgrade	LF	478. 000	478. 000
0680 650. 6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650. 9910 Construction Staking Supplemental (project) 01. 5648-00-74 LS 1.000 1.000 0700 650. 9920 Construction Staking Slope Stakes LF 478.000 478.000						
0680 650. 6500 Construction Staking Structure Layout (structure) 01. B-33-0126 LS 1.000 1.000 0690 650. 9910 Construction Staking Supplemental (project) 01. 5648-00-74 LS 1.000 1.000 0700 650. 9920 Construction Staking Slope Stakes LF 478.000 478.000	0670	650. 6000	Construction Staking Pipe Culverts		2. 000	2.000
0690 650.9910 Construction Staking Supplemental LS 1.000 1.000 Control (project) 01. 5648-00-74 UF 478.000 478.000	0680	650. 6500		LS	1. 000	1. 000
0700 650.9920 Construction Staking Slope Stakes LF 478.000 478.000	0690	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000
0710 690, 0150 Sawing Asphal t LF 40, 000 40, 000	0700	650. 9920		LF	478. 000	478. 000
	0710	690. 0150	Sawi ng Asphal t	LF	40. 000	40. 000
0720 715.0502 Incentive Strength Concrete Structures DOL 816.000 816.000						

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	PROJE	CT TOTAL	60	250
	10+17	12+50	30	125
0010	7+00 9+45		30	125
CATEGORY	STATION	TO STATION	GAL	TON
			TACK COAT	
			(455.0605)	(465.0105)

ASPHALTIC SURFACE

CLEARING & GRUBBING

				(201.0105) CLEARING	(201.0205)
CATEGORY	STATION	TO STATION	LOCATION	STA	STA
0010	7+00	9+00	LT/RT	2	2
	PROJE	2	2		

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	LOCATION	TYPE	DIAMETER	LENGTH	(203.0100) EACH	
0010	11+55	LT	CMP	18"	25	1	
PROJECT TOTAL							

GUARDRAIL

_), ii ib i i ii ii		
					(614.0920)
					SALVAGING
	CATEGORY	STATION	TO STATION	LOCATION	LF
	0010	9+39	9+73	LT	38
		9+42	9+69	LT	27
-		65			

MOBILIZATION EROSION CONTROL

			(628.1905)	(628.1910)
				EMERGENCY
CATEGORY	STATION	TO STATION	EACH	EACH
0010	7+00	12+50	2	1
PR	OJECT TO	2	1	

CATEGORY STATION TO STATION LOCATION TON TON TON 0010 7+00 9+45 LT & RT

(305.0110) (305.0120) (311.0110) 3/4-INCH 1 1/4-INCH BREAKER

BASE AGGREGATE DENSE

PF	ROJECT TOT	AL	55	570	1,340		
	UN	NDISTRIBUT	-	-	210	_	
	FIE	LD ENTRAN	-	50	-		
	10+17	12+50	LT & RT	25	250	550	

CULVERT PIPE

-				(500 0440)			(500 1010)	(050,0000)
				(520.0118)			(520.1018)	(650.6000)
				CLASS III	THICK	NESS	APRON ENDWALLS FOR CULVERT PIPE STEEL	CONSTRUCTION STAKING
				18-INCH	STEEL	ALUM	18-INCH	PIPE CULVERTS
_	CATEGORY	STATION	LOCATION	LF	IN	IN	EACH	EACH
	0010	11+55	RT	34	0.064	0.060	2	1
		11+55	LT	34	0.064	0.060	2	1
	PRO	DJECT TO	TAL	68			4	2

TRACKING PAD

CATEGORY	STATION	(628.7560) EACH
0010	7+00	1
- BBO II	12+50	1
PROJI	ECT TOTAL	2

SAWING ASPHALT

			(690.0150)
CATEGORY	STATION	LOCATION	LF
0010	7+00	LT & RT	20
	12+50	LT & RT	20
PRO	JECT TOT	AL	40

TURBIDITY BARRIERS

			(628.6005)
CATEGORY	STATION	LOCATION	SY
0010	9+68	LT & RT	165
	9+95	LT & RT	165
	PROJEC	T TOTAL	330

EARTHWORK PROJECT I.D. 5648-00-74

Division	From/To Station	Location	Common Excavation (1)	(item # 205.0100)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Rock Excavation (7)	Expanded Rock (12)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste	Borrow	Comment:
			Cut (2)	EBS Excavation (3)			(item #205.0200)	Factor		Factor			(item #208.0100)	
1	7+00 - 9+44.73	South Gant Road	318	0	0	318	74	81	2043	2452	-2134	-2134	2134	
2	10+17.27- 12+50	North Gant Road	285	0	0	285	0	0	694	868	-583	-583	583	
	STRUC'	TURE B-33-0126	0	0	0	0	0	0	0	0	0	0	0	
	UNDIS'	TRIBUTED EBS	0	121	0	0			0	0	0	0	0	
Grand Total			603	121	0	603	74	81	2738	3320	-2717	-2717	2717	
	_		7:	24			_							

- 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- 2) Salvaged/Unsuable Pavement Material is included in Cut.
- 3) EBS Excavation to be backfilled with Breaker Run material.
- 4) Salvaged/Unusable Pavement Material
- 5) Available Material = Cut Salvaged/Unusuable Pavement Material
- 7) Rock Excavation item number 205.0200
- 12) Expanded Rock Factor = 1.1.
- 13) Expanded Fill. Factor = 1.25
- 14) The Mass Ordinate + or Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

COUNTY: LAFAYETTE PROJECT NO: 5648-00-74 HWY: GANT ROAD SHEET MISCELLANEOUS QUANTITIES

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					FIN	IISHING ITEMS				
				(625.0500)	(627.0200)	(629.0210)	(630.0120)	(630.0200)	(631.1100)	(628.1104)
				**	**	**	**	**		
				SALVAGED	MULCHING	FERTILIZER	SEEDING MIXTURE	SEEDING	SOD EROSION	EROSION
				TOPSOIL		TYPE B	NO. 20	TEMPORARY	CONTROL	BALES
CATEGORY	STATION	TO STATION	LOCATION	SY	SY	CWT	LB	LB	SY	EACH
0010	7+00	9+31	LT	830	460	0.8	34	17	-	-
	7+00	9+27	RT	930	1060	0.8	36	18	-	-
	10+30	12+50	LT	390	350	0.5	20	10	-	-
	10+26	12+50	RT	370	330	0.4	20	10	-	-
	UNDIS	TRIBUTED		-	-	-	-	-	50	50
PROJECT	TOTAL	_		2,520	2,200	2.5	110	55	50	50

^{**} PAY PLAN QUANTITY WITHOUT MEASURE

			DITCH C	CHECKS		
			(628.7555)	(628.7504)	(628.7560.S)	(645.0140)
					STONE	GEOTEXTILE FABRIC
			CULVERT PIPE	TEMPORARY	OR ROCK	TYPE SAS
CATEGORY	STATION	LOCATION	EACH	LF	CY	SY
0010	8+25	LT	-	-	5	20
	8+75	LT	-	-	5	20
	11+70	RT	2	-	-	-
	11+70	LT	2	-	-	-
UNI	DISTRIBUT	ΓED	-	50	-	-
PRO	JECT TOT	AL	4	50	10	40

	WATER	
		(624.0100)
CATEGORY	DESCRIPTION	MGAL
0010	COMPACTION	6
	DUST CONTROL	3
	UNDISTRIBUTED	3
	PROJECT TOTAL	12

	MA	ARKERS RO	W	
			(633.5100)
CATEGORY	R/W PT	STATION	LOCATION	EACH
0010	1	7+00	33' LT	1
	2	8+00	70' LT	1
	3	8+30	49.93' LT	1
	4	8+46.36	54.51' LT	1
	5	8+86.44	66.45' LT	1
	7	10+06.25	61.60' LT	1
	8	10+25	55.99' LT	1
	9	10+50	62' LT	1
	10	11+92	34.41' LT	1
	11	12+50	33' LT	1
	12	12+50	33' RT	1
	13	12+00	33' RT	1
	14	11+00	48' RT	1
	15	9+50	51' RT	1
	16	9+00	65' RT	1
	17	8+00	77' RT	1
	18	7+40	33' RT	1
	19	7+00	33' RT	1
	PF	ROJECT TOT	AL	18

		SIL	T FENCE		
				(628.1504)	(628.1520)
					MAINTENANCE
CATEGORY	STATION	TO STATION	LOCATION	LF	LF
0010	7+00	9+70	RT	290	580
	9+97	11+47	RT	150	300
	10+02	11+47	LT	150	300
	11+63	12+50	RT	90	180
	11+63	12+50	LT	90	180
	UNDIS	TRIBUTED		130	260
	PROJEC	T TOTAL		900	1,800

CONCRETE BARRIER TEMPORARY PRECAST

CATEGORY STATION TO STATION LOCATION LF
0010 10+05 10+30 LT 50

PROJECT TOTAL

(603.8000) (603.8125) DELIVERED INSTALLED

LF

RIPRAP GEOTEXTILE FABRIC MEDIUM TYPE HR CATEGORY STATION TO STATION LOCATION CY SY	0010		11+43 11+79	RT RT	8 8	18 18
RIPRAP GEOTEXTILE FABRIC MEDIUM TYPE HR CATEGORY STATION TO STATION LOCATION CY SY	0010	11+62			-	
RIPRAP GEOTEXTILE FABRIC MEDIUM TYPE HR	0010	11+31	11+43	RT	8	18
RIPRAP GEOTEXTILE FABRIC MEDIUM TYPE HR					CY	
RIPRAP GEOTEXTILE FABRIC					_	=
					(606.0200)	(645.0120)

* ADDITIONAL QUANTITIES FOUND ELSEW	HERE
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	PERMANENT SIGNING							
				(007.0040)	(007.000)	(004.0040)	(004.0040)	
				(637.2210)	(637.2230)	(634.0612)	(634.0616)	
				SIGNS	SIGNS	POSTS WOOD	POSTS WOOD	
				REFLECTIVE	REFLECTIVE	4 X 6-INCH	4 X 6-INCH	
				TYPE H	TYPE F	12-FT	16-FT	
CATEGORY	CODE	STATION I	OCATION	SF	SF	EACH	EACH	NOTES
0010	W5-52R	9+30.66	RT	3.0	-	1	-	-
	W5-52L	9+34.80	LT	3.0	-	1	-	-
	W5-52R	10+25.20	RT	3.0	-	1	-	-
	W5-52L	10+29.34	LT	3.0	-	1	-	-
	W1-3L	12+00	RT	-	9.00	-	1	-
	W13-1P	12+00	RT	-	4.00	-	-	20 MPH
	PROJECT	TOTAL		12.00	13.00	4	1	

	CONSTRUCTION STAKING							
				(650.4500)	(650.5000)	(650.9910)	(650.9920)	
				SUBGRADE	BASE	SUPPLEMENTAL	SLOPE	
						CONTROL	STAKING	
CATEGORY	STATION	TO STATION	LOCATION	LF	LF	LS	LF	
010	7+00	9+45	LT & RT	245	245	-	245	
	10+17	12+50	LT & RT	233	233	-	233	
	UNDISTRIBUTED LT & RT			-	-	1	-	
	PROJECT TOTAL			478	478	1	478	

				EROSION MAT		
				(628.2006)	(628.2004)	(628.2023)
				EROSION MAT URBAN	EROSION MAT	EROSION MAT
				CLASS I TYPE A	CLASS I TYPE B	CLASS II TYPE B
CATEGORY	STATION	TO STATION	LOCATION	SY	SY	SY
0010	7+00	9+34	LT	-	=	500
	10+26	11+29	RT	-	90	-
	10+30	11+28	LT	-	90	-
	11+80	12+50	RT	-	60	-
	11+80	12+50	LT	-	60	-
	UNDISTRIBUTED			50	50	50
	PROJE	CT TOTAL		50	350	550

COUNTY: LAFAYETTE HWY: GANT ROAD MISCELLANEOUS QUANTITIES SHEET PROJECT NO: 5648-00-74 PLOT NAME :

CONVENTIONAL ABBREVIATIONS ROR RELEASE OF RIGHTS ACCESS POINT/ DRIVEWAY CONNECTION REM. ACCESS RIGHTS RIGHT-OF-WAY R/W ACRES SEC. **SECTION** ET.AL. AND OTHERS STATION CENTERLINE TEMPORARY LIMITED EASEMENT TLE CERTIFIED SURVEY MAP VOLUME COR CORNER DOC. DOCUMENT LONG CHORD EASEMENT EASE. LONG CHORD BEARING LCB HIGHWAY EASEMENT H.E. RADIUS LAND CONTRACT DEGREE OF CURVE MONUMENT CENTRAL ANGLE OR DELTA DELTA PERMANENT LIMITED EASEMENT PLE LENGTH OF CURVE TANGENT PROPERTY LINE RECORDED AS

CONVENTIONAL SYMBOLS

R/L

IF LINE ST NOTED PROPOSED R/W LINE EXISTING H.E. LINE FOUND IRON PIPE/PIN . MISET) PROPERTY LINE A MISETO LOT & TIE LINES R/W STANDARD SLOPE INTERCEPTS ISIGN SECTION CORNER MONUMENT CORPORATE LIMITS SECTION CORNER SYMBOL ACCESS RESTRICTED

(BY PREVIOUS ACQUISITION/CONTROL) ACCESS RESTRICTED (BY ACQUISTION) FEE (HATCH VARIES) VLLA TEMPORARY LIMITED L----NO ACCESS
(BY STATUTORY AUTHORITY) PERMANENT LIMITED LLA SECTION LINE QUARTER LINE R/W BOUNDARY POINT (RWB20) SIXTEENTH LINE (0) PARCEL NUMBER EXISTING CENTERLINE UTILITY INTEREST PROPOSED REFERENCE LINE PARALLEL OFFSET DI BUILDING

CONVENTIONAL UTILITY SYMBOLS

GAS TELEPHONE OVERHEAD TRANSMISSION LINES CARLE TELEVISION FIBER OPTIC SANITARY SEWER STORM SEWER -55-COMPENSABLE COMPENSABLE POWER POLE TELEPHONE POLE TELEPHONE PEDESTAL

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NOTES:

ELECTRIC TOWER

REFERENCE LINE

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, LAFAYETTE COUNTY ZONE, NAD 83 (2010) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY $3/4^{\circ}$ x 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

EXISTING RIGHT-OF-WAY IS BASED ON THE EXISTING CENTERLINE OF GANT ROAD AND STATE STATUTE 82.31.

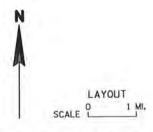
ALL STATION/OFFSET DATA IS REFERENCED TO THE MAINLINE ALIGNMENT (GANT ROAD).

APPROXIMATELY 1,209 FEET SOUTH OF AND 556 FEET WEST OF THE EAST QUARTER CORNER OF SECTION 23, T-4-N, R-4-E, TOWN OF FAYETTE, LAFAYETTE COUNTY, WI

Y = 211,251.700X = 520,730.149APPROXIMATELY 664 FEET SOUTH OF AND 487 FEET WEST OF THE EAST QUARTER CORNER OF SECTION 23, T-4-N, R-4-E, TOWN OF FAYETTE, LAFAYETTE COUNTY, WI R-4-E R-5-E IOWA COUNTY LAFAYETTE COUNTY Vellowstone Mud TI WOODLAND Lamont Argyle 3 36 R-4-E R-5-E

END RELOCATION

ORDER STA.12+50.00



TOTAL NET LENGTH OF CENTERLINE = 0.104 MI.

R/W PROJECT NUMBER SHEET 5648-00-04 FEDERAL PROJECT NUMBER 4.01

PLAT OF RIGHT-OF-WAY REQUIRED FOR

TOWN OF FAYETTE, GANT ROAD (YELLOWSTONE RIVER BRIDGE B-33-0126)

LAFAYETTE CO. TOWN ROAD

CONSTRUCTION PROJECT NUMBER 5648-00-74

ACCEPTED FOR

FAYETTE

(SIGNATURE / TITLE)

ORIGINAL PLAT PREPARED BY

2901 International Lone, Suite 300 Modison, W 53704-3133 608-242-7779 1-800-446-0679 Fax: 608-242-5664

TISDALE 80374

WAUNAKEE

2-12-2015 Brad / hidal



DATE 9/25/2014

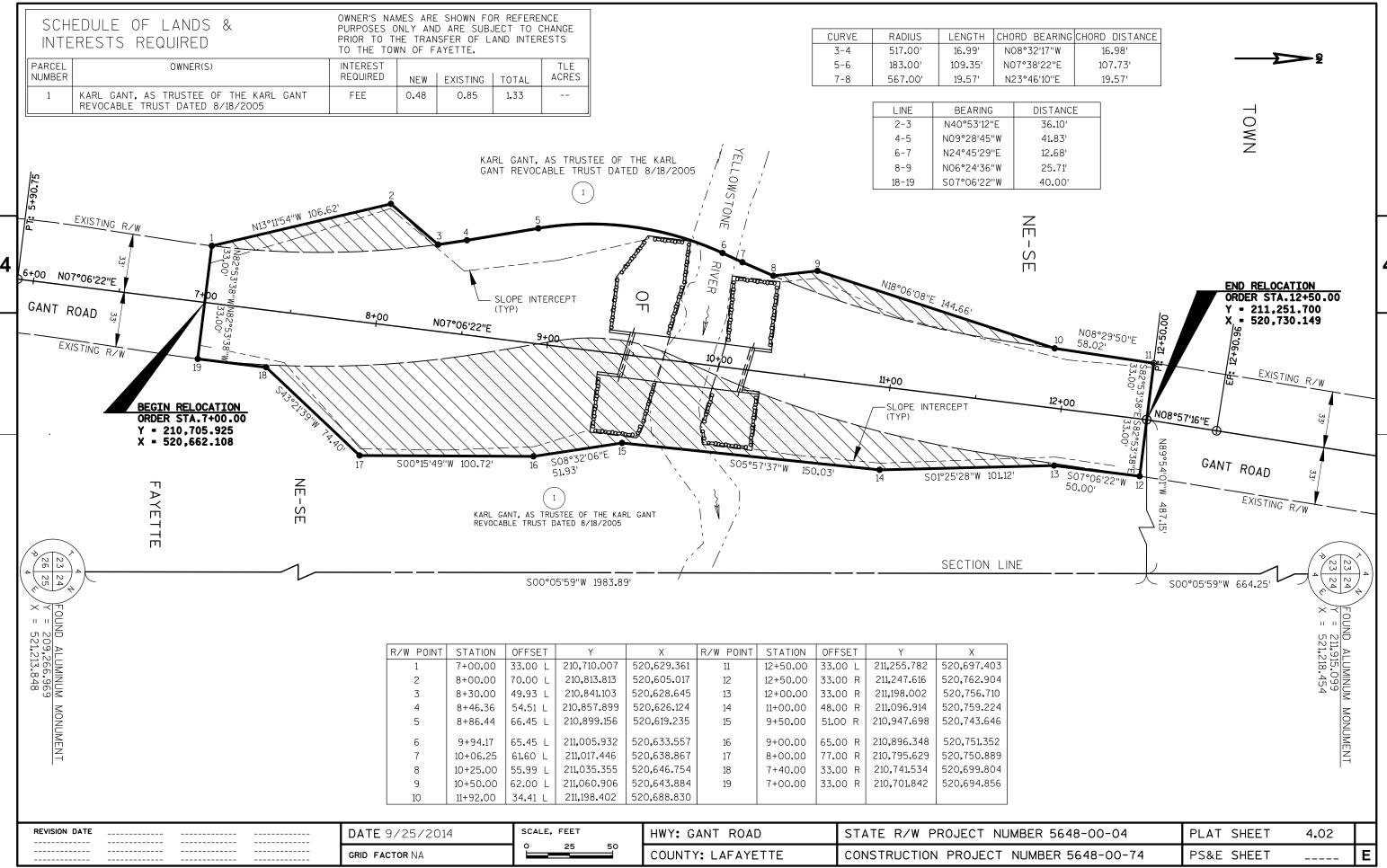
BEGIN RELOCATION

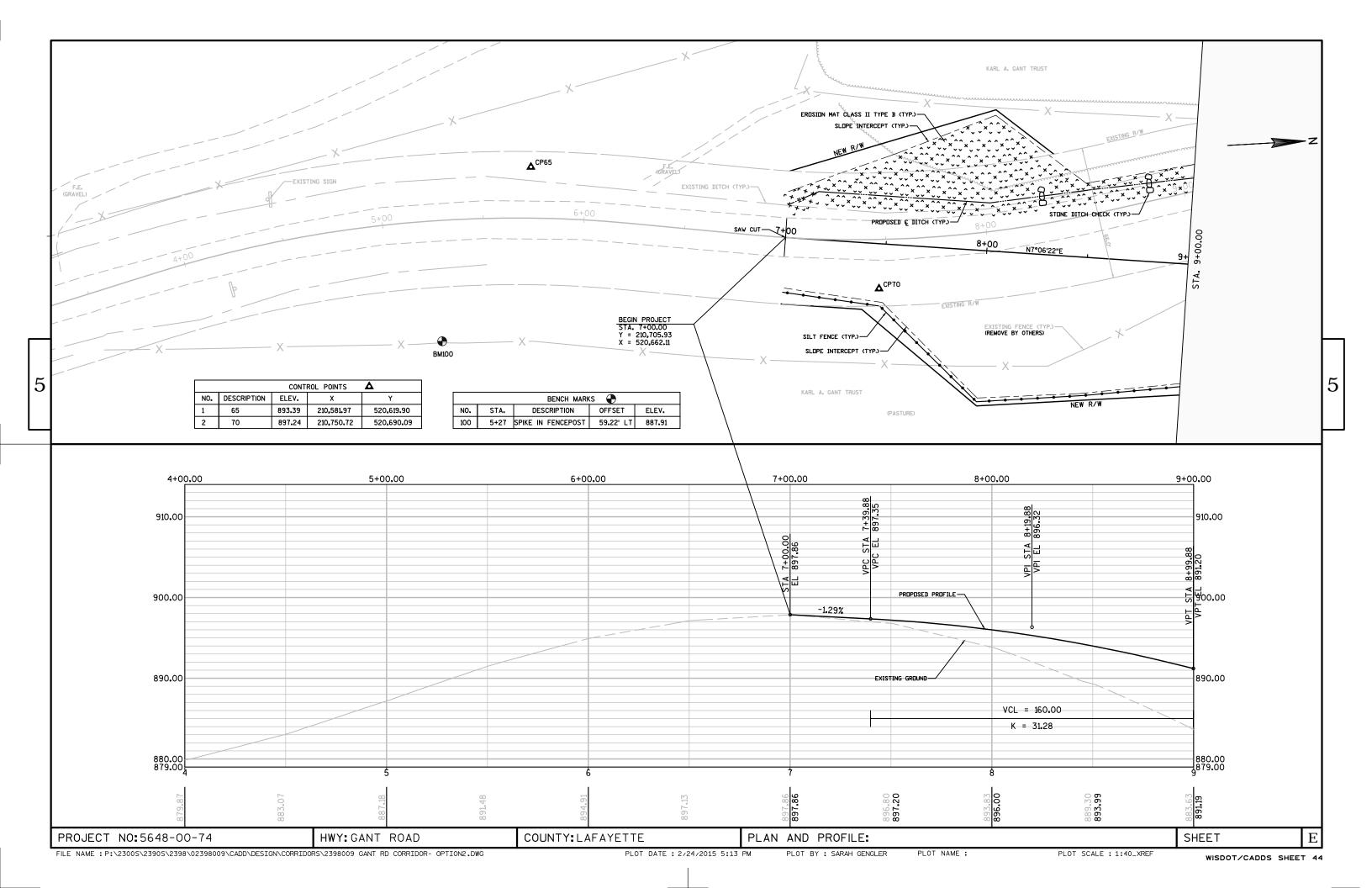
Y = 210,705.925

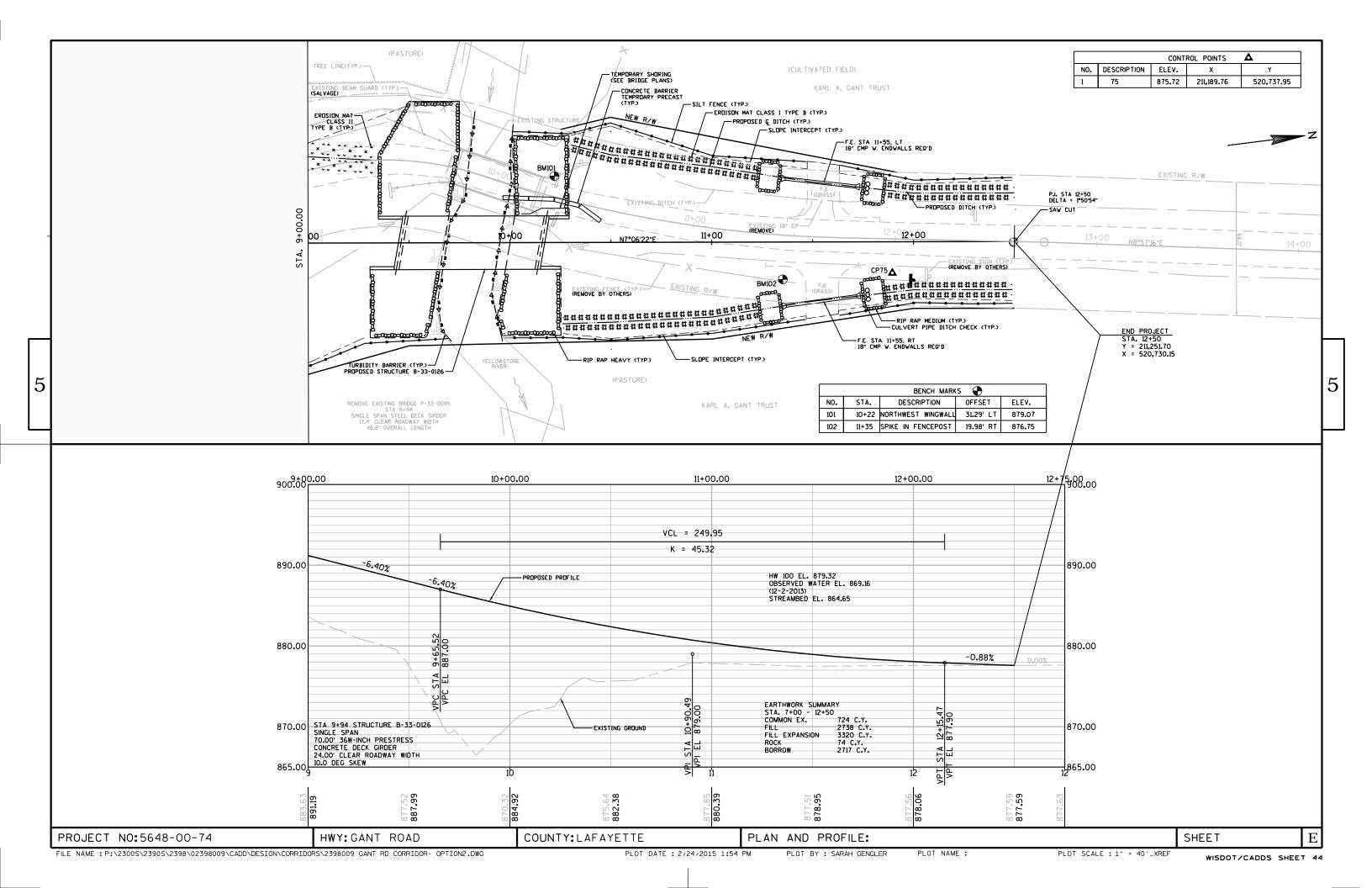
X = 520,662.108

ORDER STA.7+00.00

GRID FACTOR NA







Standard Detail Drawing List

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
SILT FENCE
TURBI DI TY BARRI ER
TRACKING PAD
APRON ENDWALLS FOR CULVERT PIPE
NAME PLATE (STRUCTURES)
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
MARKER POST FOR RIGHT-OF-WAY
BARRICADES AND SIGNS FOR MAINLINE CLOSURES
BARRICADES AND SIGNS FOR MAINLINE CLOSURES
SIGNING & MARKING FOR TWO LANE BRIDGES

6

GENERAL NOTES

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

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



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

29-05 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

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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

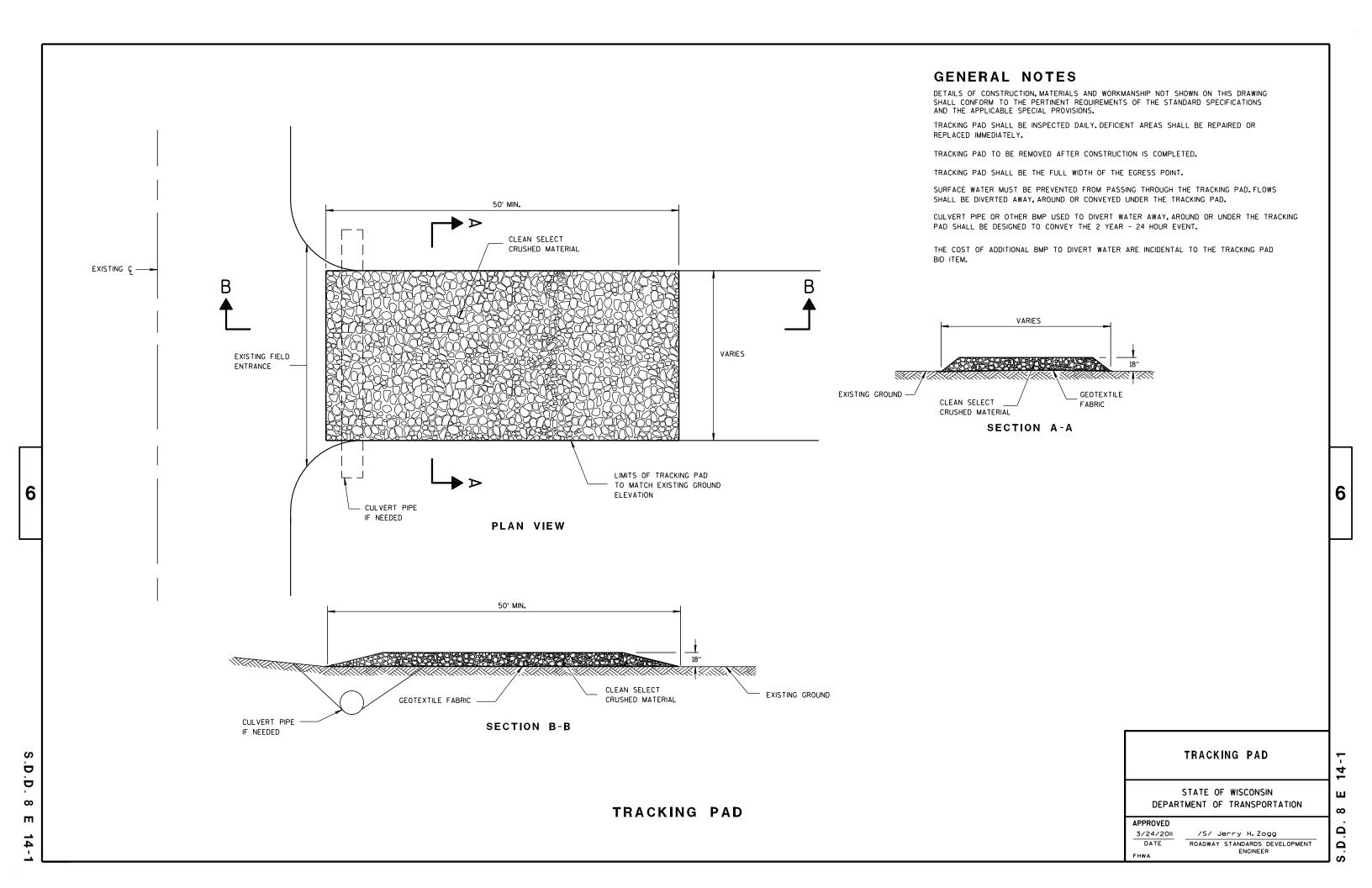
TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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METAL APRON ENDWALLS											
PIPE	MIN. 1	THICK.			DIMENS	SIONS (I	nches)			APPROX.	
DIA.	(Incl		A	В	Н	L	Γį	L ₂	W	SLOPE	BODY
(IN.)	STEEL	ALUM.	(±1")	(MAX.)	(±1")	(±1 ½")	①	0	(±2")	320.2	
12	.064	.060	6	6	6	21	12	171/2	24	2½+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	21/2+o 1	1Pc.
18	.064	.060	8	10	6	31	15	281/4	36	21/2+o 1	1Pc.
21	.064	.060	9	12	6	36	18	295/8	42	21/2+o 1	1Pc.
24	.064	.075	10	13	6	41	18	371/4	48	21/2+o 1	1Pc.
30	.079	.075	12	16	8	51	18	521/4	60	21/2+0 1	1Pc.
36	.079	. 105	14	19	9	60	24	59¾	72	21/2+o 1	2 Pc.
42	.109	.105	16	22	11	69	24	75%	84	21/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 ¹ / ₄ +o 1	3 Pc.
54	.109	.105	18	30	12	84	30	851/2	102	2 ¹ / ₄ †o 1	3 Pc.
60	.109×	.105×	18	33	12	87	_	_	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	_	_	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	_	_	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	_	_	132	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	11/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2+0 1	3 Pc.
96	.109×	.105×	18	35	12	87	_	_	150	1/2+0 1	3 Pc.

	REINFORCED CONCRETE APRON ENDWALLS								
PIPE		DIMENSIONS (Inches)							
DIA.	T	A	В	С	D	Ε	G	APPROX. SLOPE	
12	2	4	24	48 1/8	721/8	24	2	3 to 1	
15	21/4	6	27	46	73	30	21/4	3 to 1	
18	21/2	9	27	46	73	36	21/2	3 to 1	
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1	
24	3	91/2	431/2	30	731/2	48	3	3 to 1	
27	31/4	101/2	491/2	24	731/2	54	31/4	3 to 1	
30	$3\frac{1}{2}$	12	54	193/4	731/2	60	31/2	3 to 1	
36	4	15	63	34¾	97¾	72	4	3 to 1	
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1	
48	5	24	72	26	98	84	5	3 to 1	
54	51/2		65	**************************************	8 ¹ / ₄ - 100	90	51/2	2% to 1	
60	6	* * * 30-35	60	39	99	96	5	2 to 1	
66	61/2	* * * 24-30	* * * 72-78	* * * 21-27	99	102	51/2	2 to 1	
72	7	* ** 24-36	78	21	99	108	6	2 to 1	
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1	
84	8	36	901/2	21	1111/2	120	61/2	1½+o 1	
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1	

THREADED %6" DIA. ROD CONNECTOR AROUND CULVERT & THROUGH TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT TYPE 1 FOR 12" THRU 24" CORR. PIPE







NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL.

CORRUGATED PIPE. FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5

DIMPLED BAND MAY BE USED WITH HELICALLY

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION END SECTION CONNECTOR STRAP

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA, GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

(1) FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

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

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

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



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
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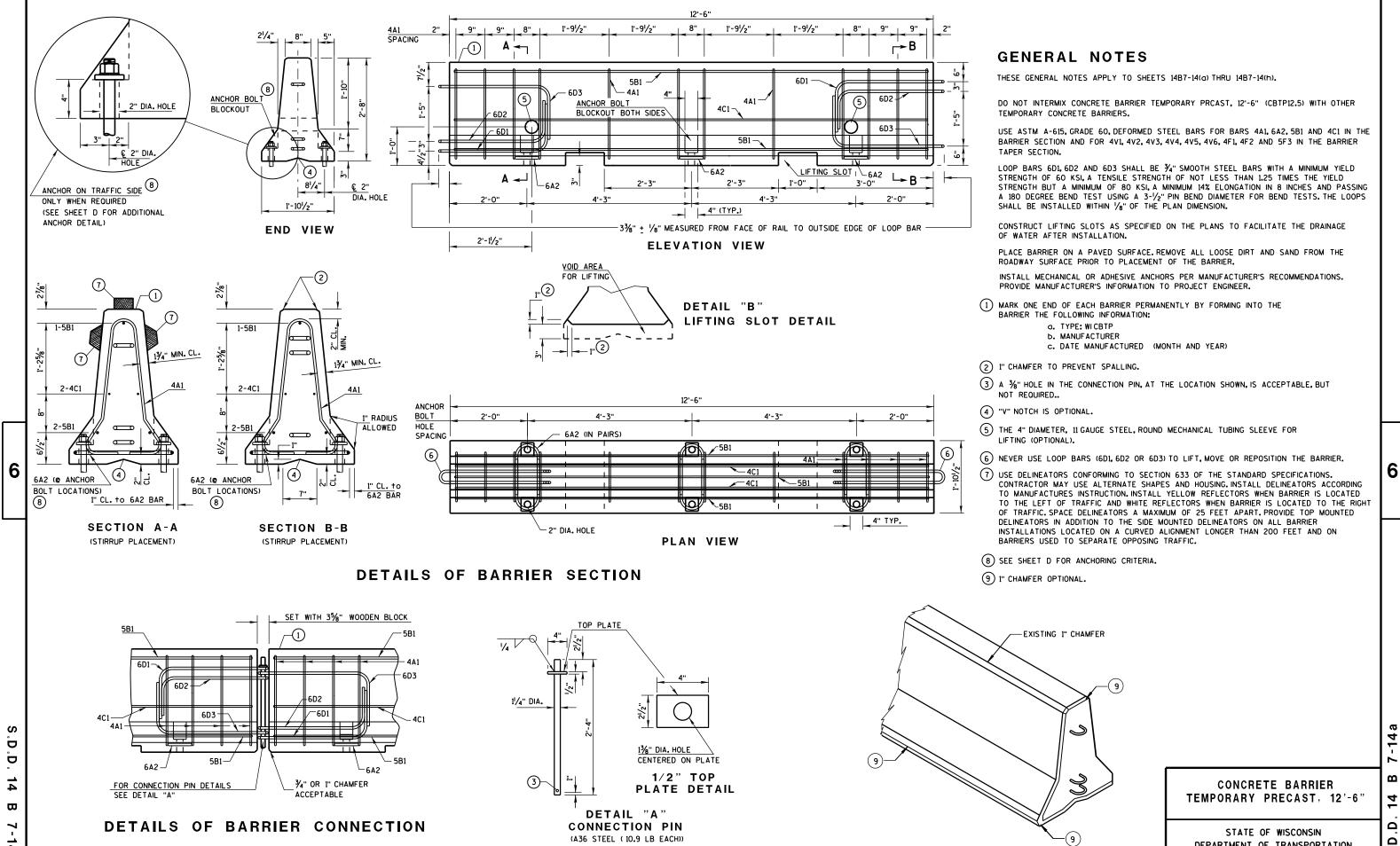
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3/26/IO /S/ SCOT BECKET

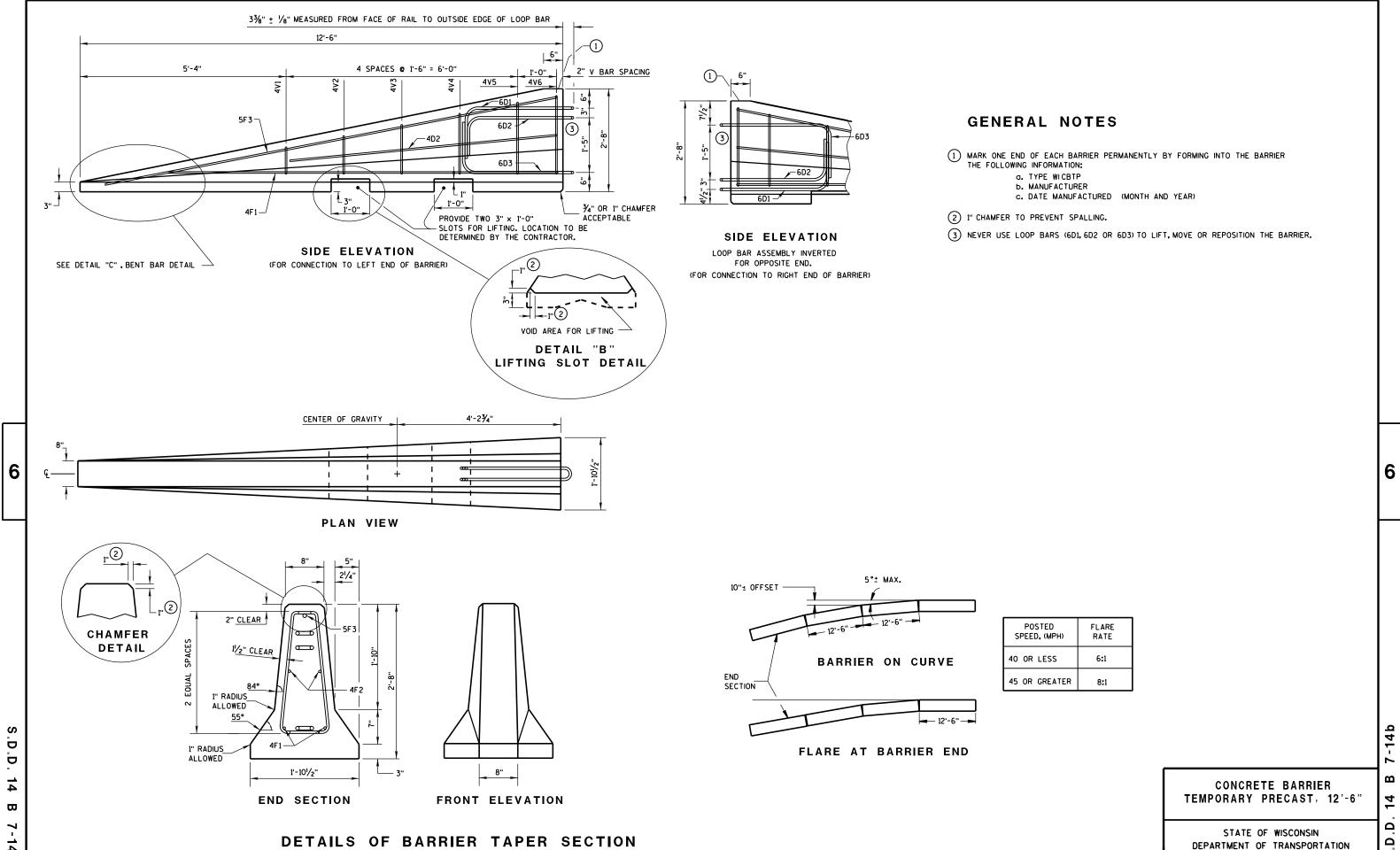
CHIEF STRUCTURAL DEVELOPMENT ENGINEER

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DEPARTMENT OF TRANSPORTATION



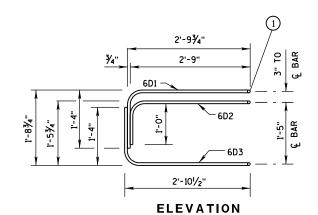
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1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

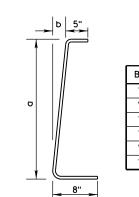
BARRIER TAPER SECTION BILL OF MATERIALS

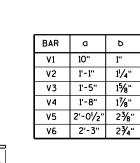
(PER 12'-6" BARRIER TAPER SECTION)

WEN IE O BANNEN TAFEN SECTION						
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.			
4V1	4	2	1'-11"			
4V2	4	2	2'-2"			
4٧3	4	2	2'-6"			
4V4	4	2	2'-9"			
4V5	4	2	3'-2"			
4V6	4	2	3'-4"			
4F1	4	2	12'-0"			
4F2	4	2	7'-6"			
5F3	5	1	11'-9"			
LOOP ASSEMBLY						
6D1	6	1	8'-5"			
6D2	6	1	7'-7"			
6D3	6	1	8'-6"			
		•	•			



LOOP BAR ASSEMBLY





DETAIL "C" BENT BAR DETAIL

2" MIN. CLEAR

2" MIN. CLEAR

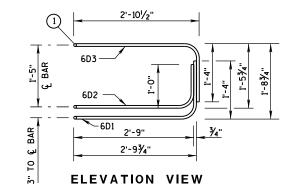
4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

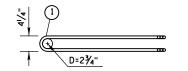
TAPER BARRIER SECTION

BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

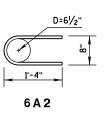
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
L	OOP AS	SSEMBL	Υ
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"

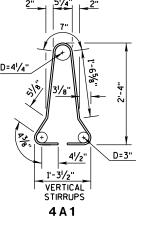




PLAN VIEW Loop bar assembly

(MARKED END SHOWN, INVERT FOR OTHER END)





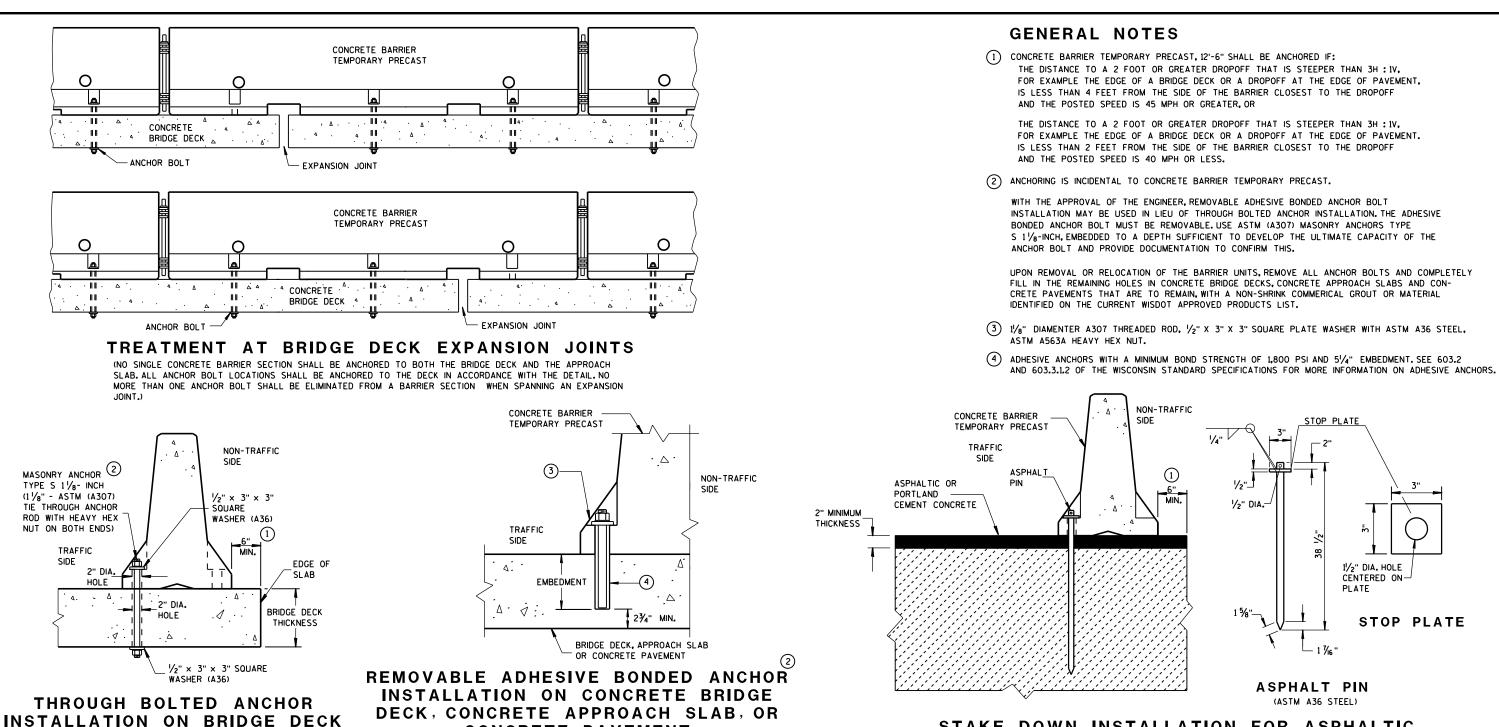
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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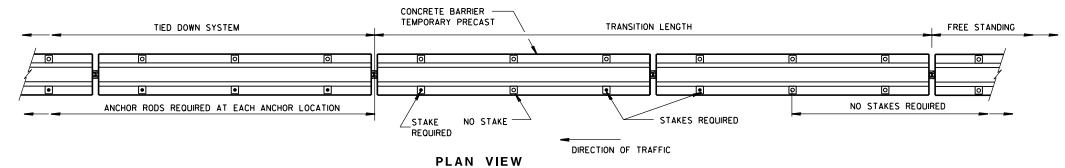
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STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

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(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

11/2" DIA. HOLE

CENTERED ON-

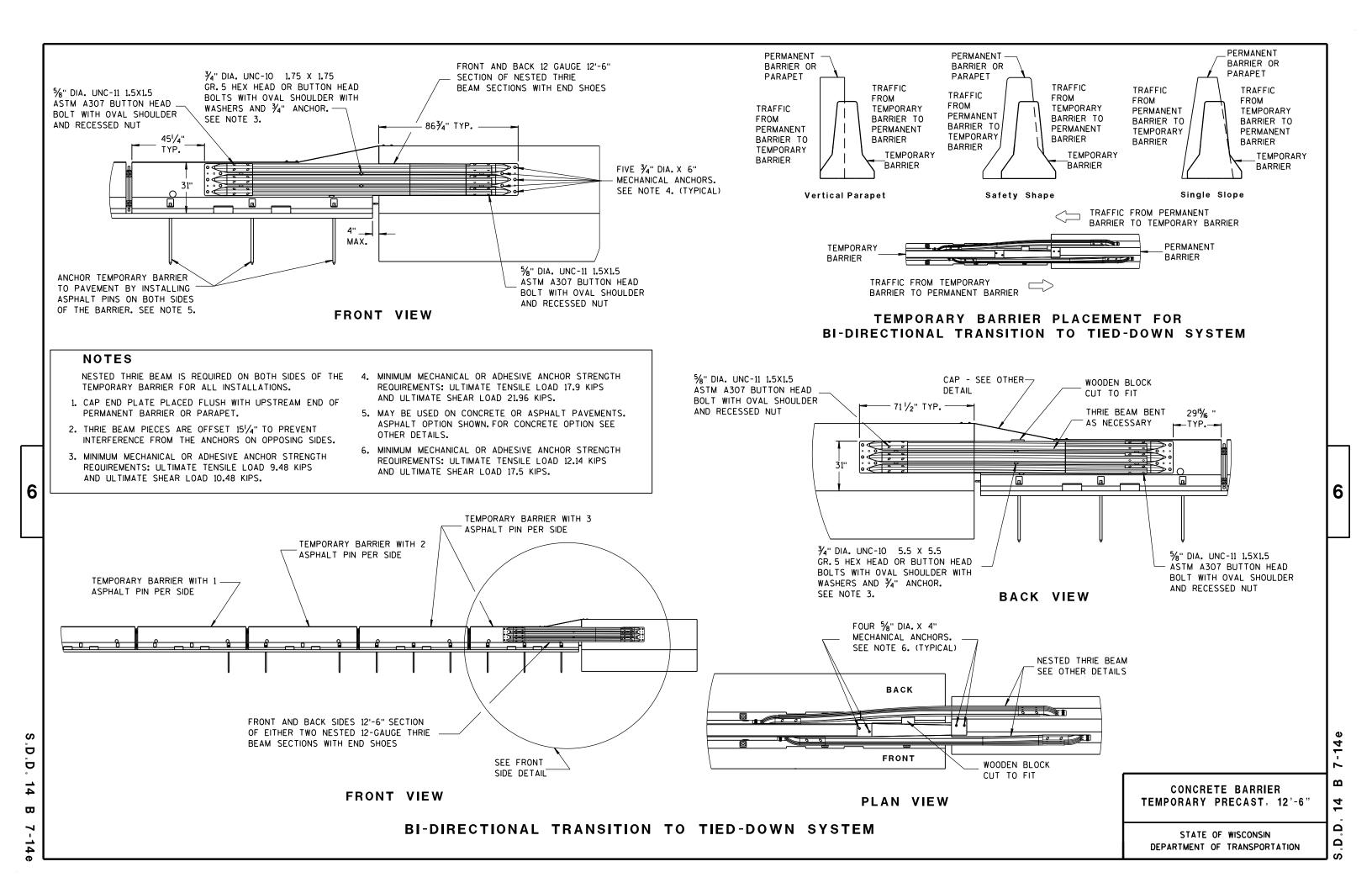
STOP PLATE

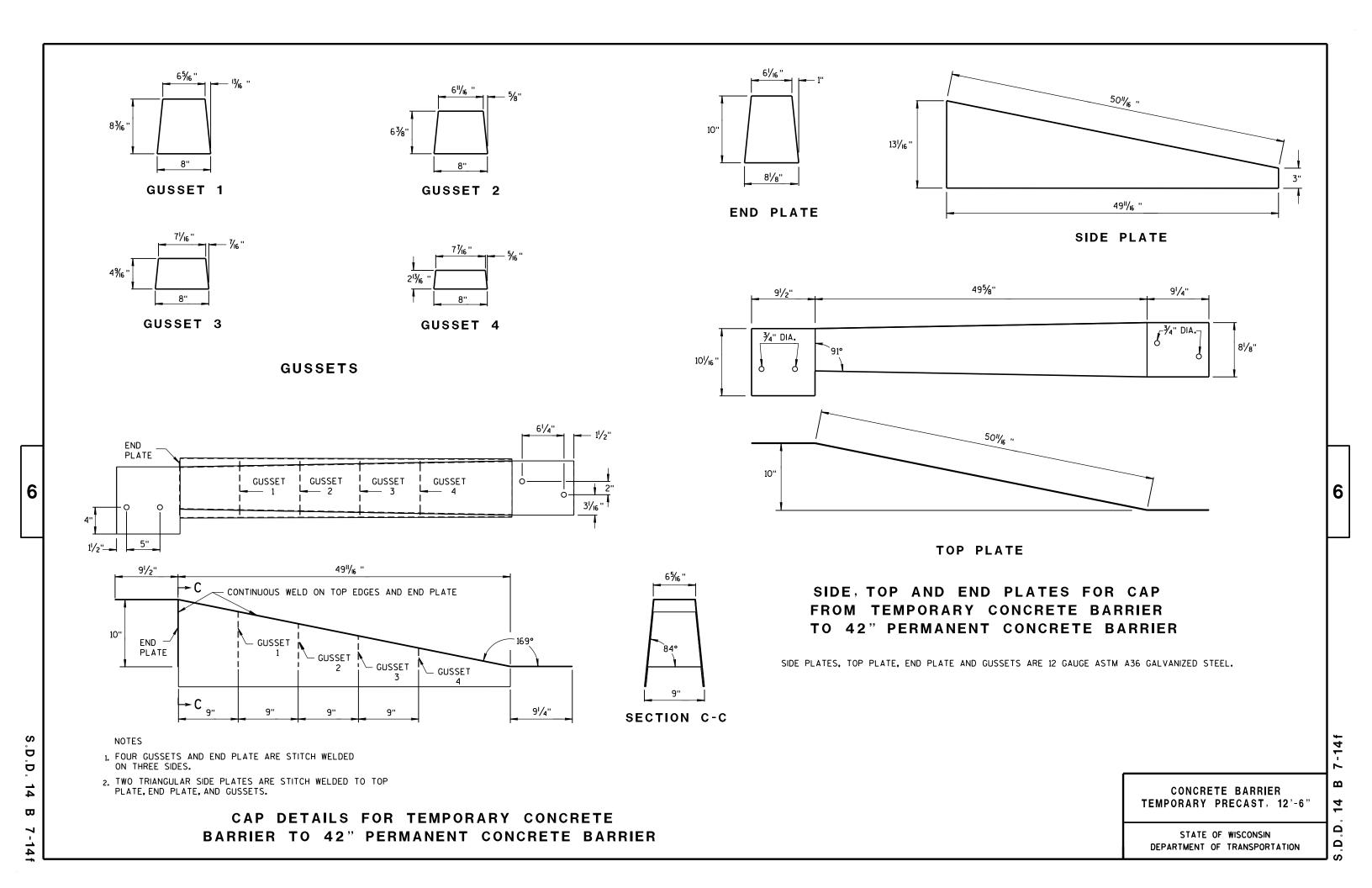
PLATE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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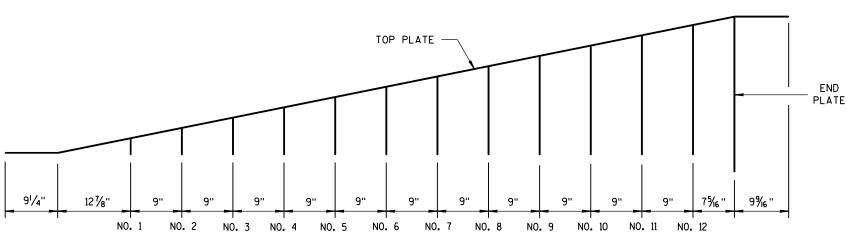
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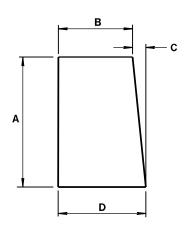
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GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER



GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS							
GUSSET No.	A	В	С	D			
1	21/8"	73/4"	1/4"	8			
2	4"/16 "	7% "	1/2"	8			
3	61/2"	73/8"	11/16 "	8½6"			
4	85%"	73/16"	⅓ "	81/16"			
5	101/8"	7"	1 1/16 "	81/16"			
6	11 ¹⁵ / ₁₆ ''	6 ¹³ // ₆ "	1 1/4"	81/16"			
7	13¾"	65/8"	1 1/6"	81/16 "			
8	15% "	6 ½ "	1 % "	81/16"			
9	173/8"	61/4"	1 13/16 "	81/16"			
10	193/6"	6½ ₆ "	1 15/16 "	81/16 "			
11	21"	5 1/8"	23/6"	8½ ₆ "			
12	22 ¹³ / ₁₆ "	5 ¹¹ / ₁₆ "	25/6"	8½ ₆ "			

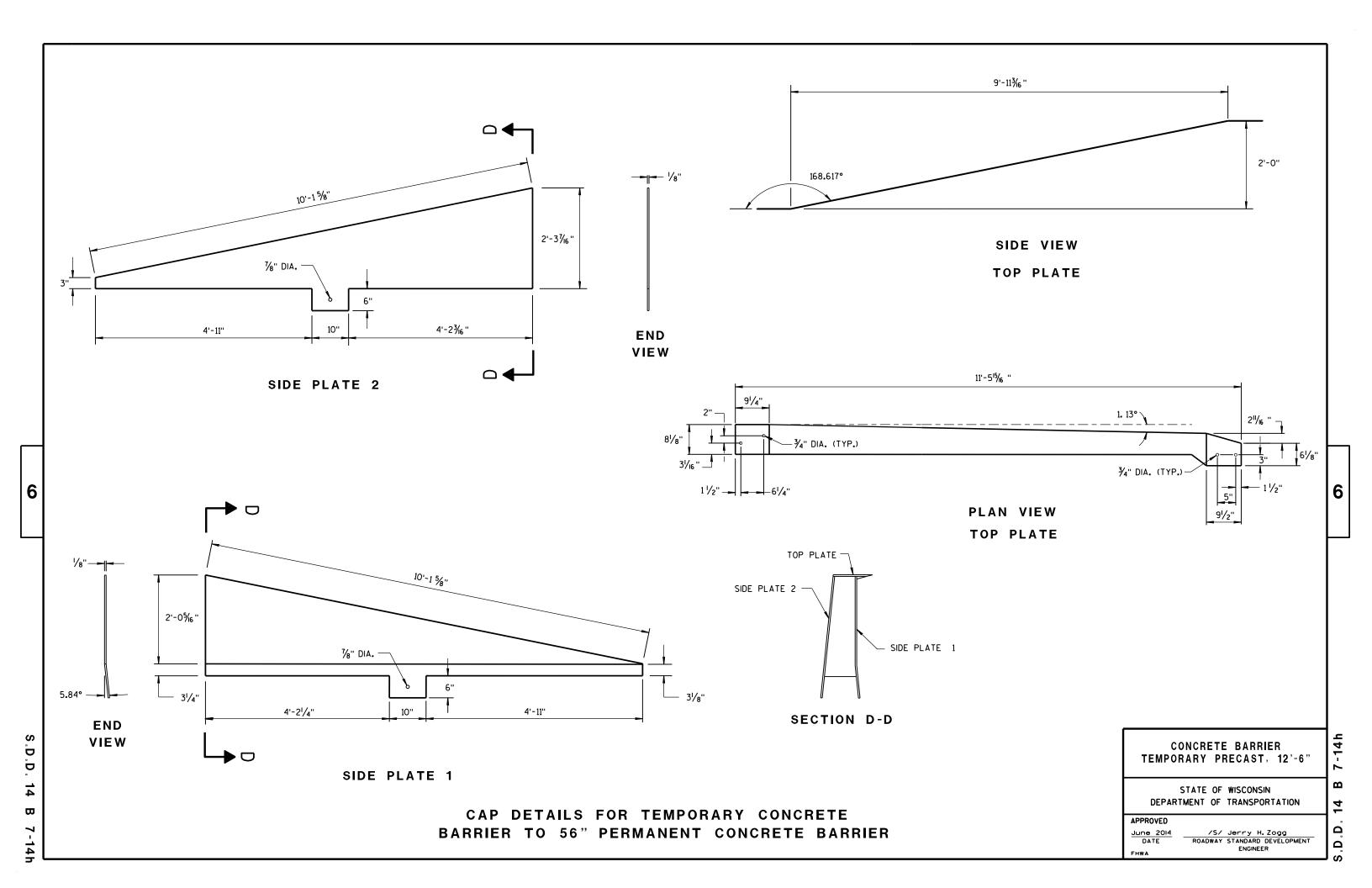
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

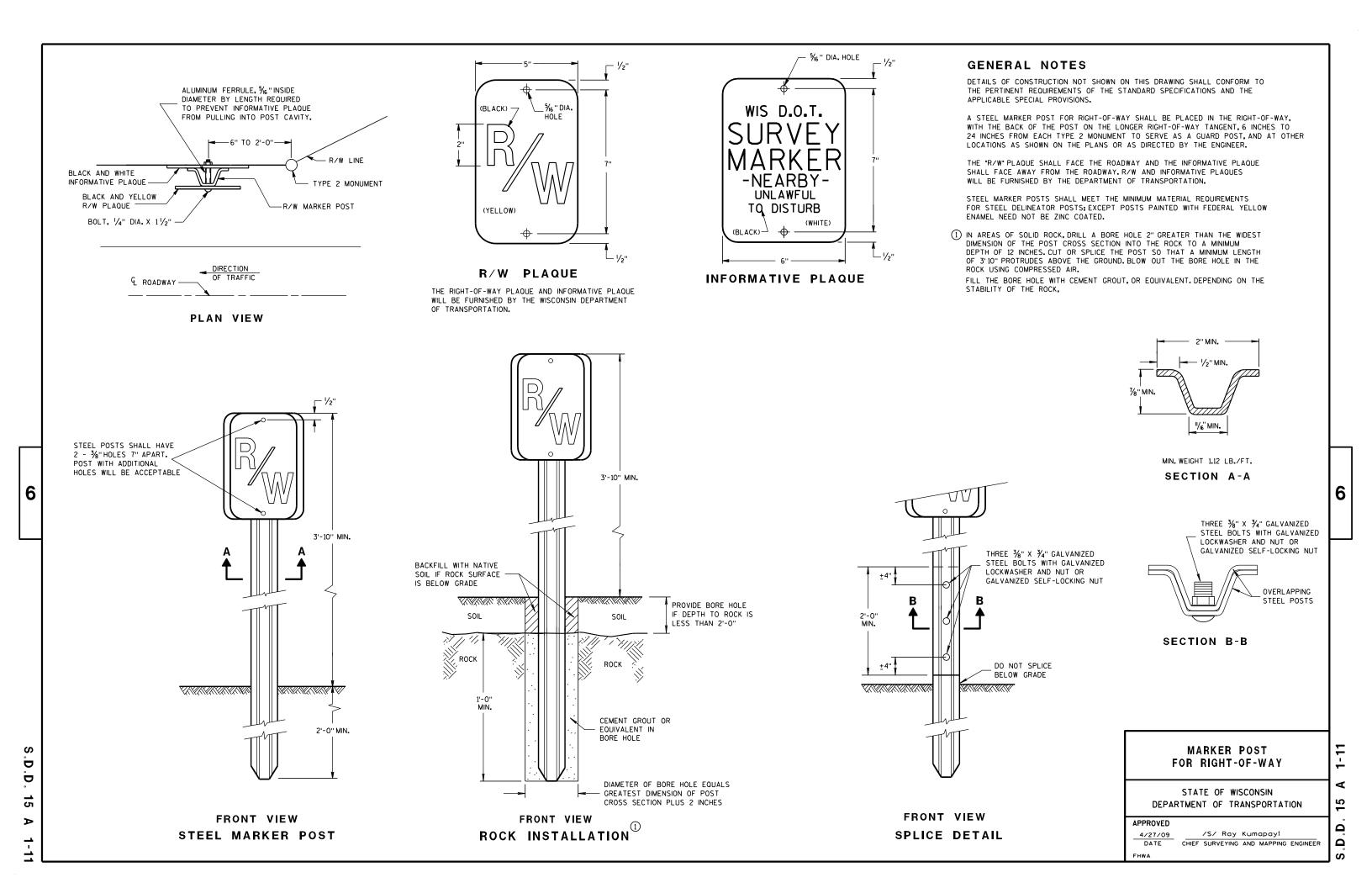
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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BRIDGE ROAD 1)TWO-WAY **CLOSED** TYPE "A" WARNING LIGHTS REQUIRED OUTSIDE EDGE OF SHOULDER OUTSIDE EDGE OF SHOULDER OR FACE OF CURB OR FACE OF CURB **DETAIL D**

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

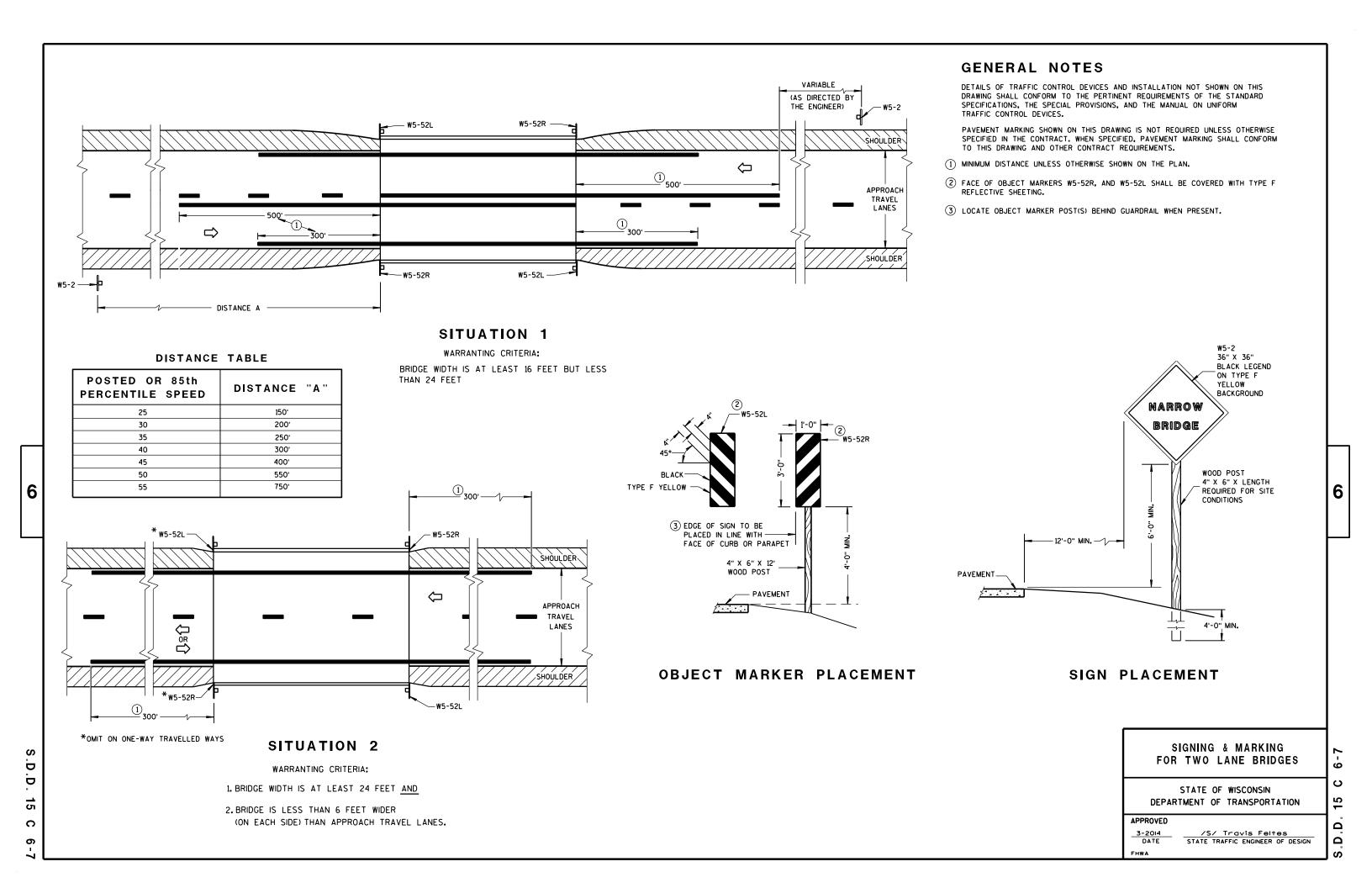
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

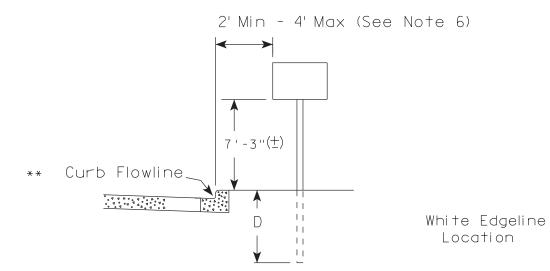
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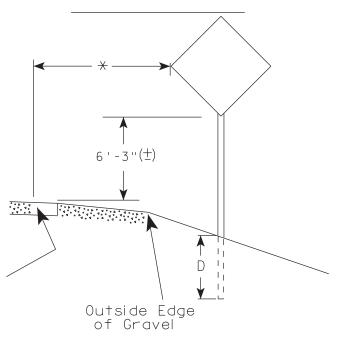
Δ



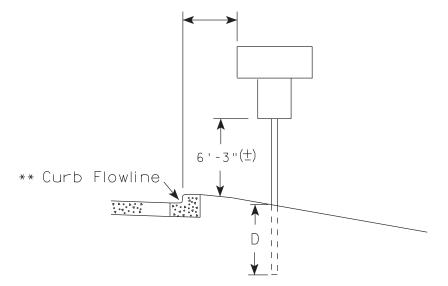
URBAN ARFA

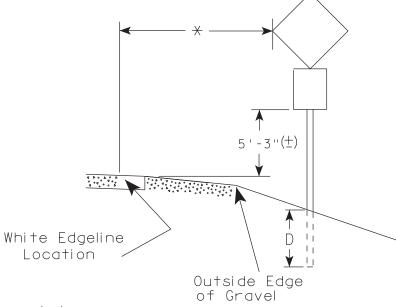


RURAL AREA (See Note 2)



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





** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where

there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

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

PLOT BY : mscj9h

GENERAL NOTES

- 1. Signs wider than 4 feet, 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" (+) or 6'-3" (+) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A4-5) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (+).
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (+) or as directed 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) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 9/30/13

SHEET NO:

COUNTY:

PLOT DATE: 30-SEP-2013 13:25

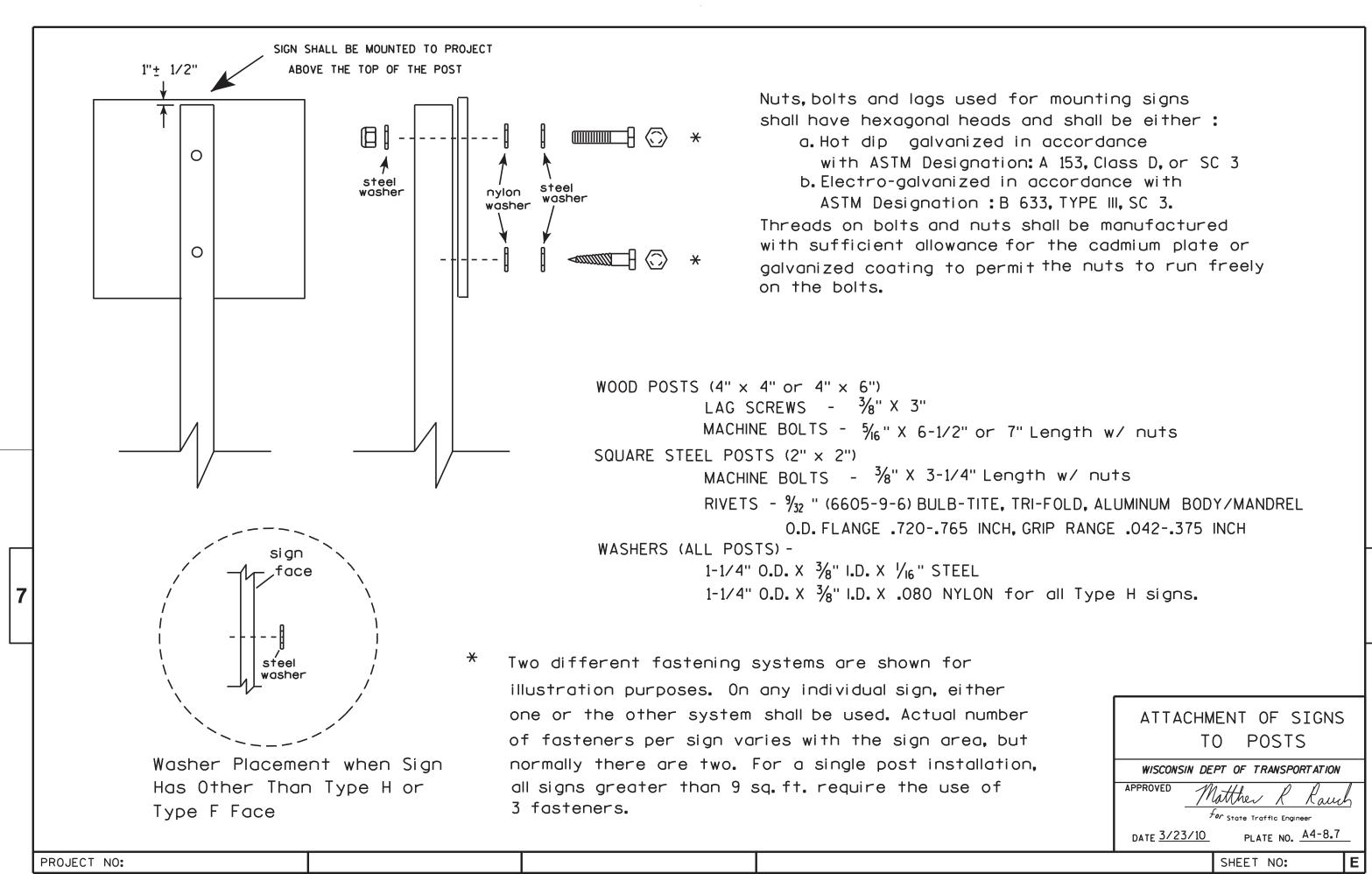
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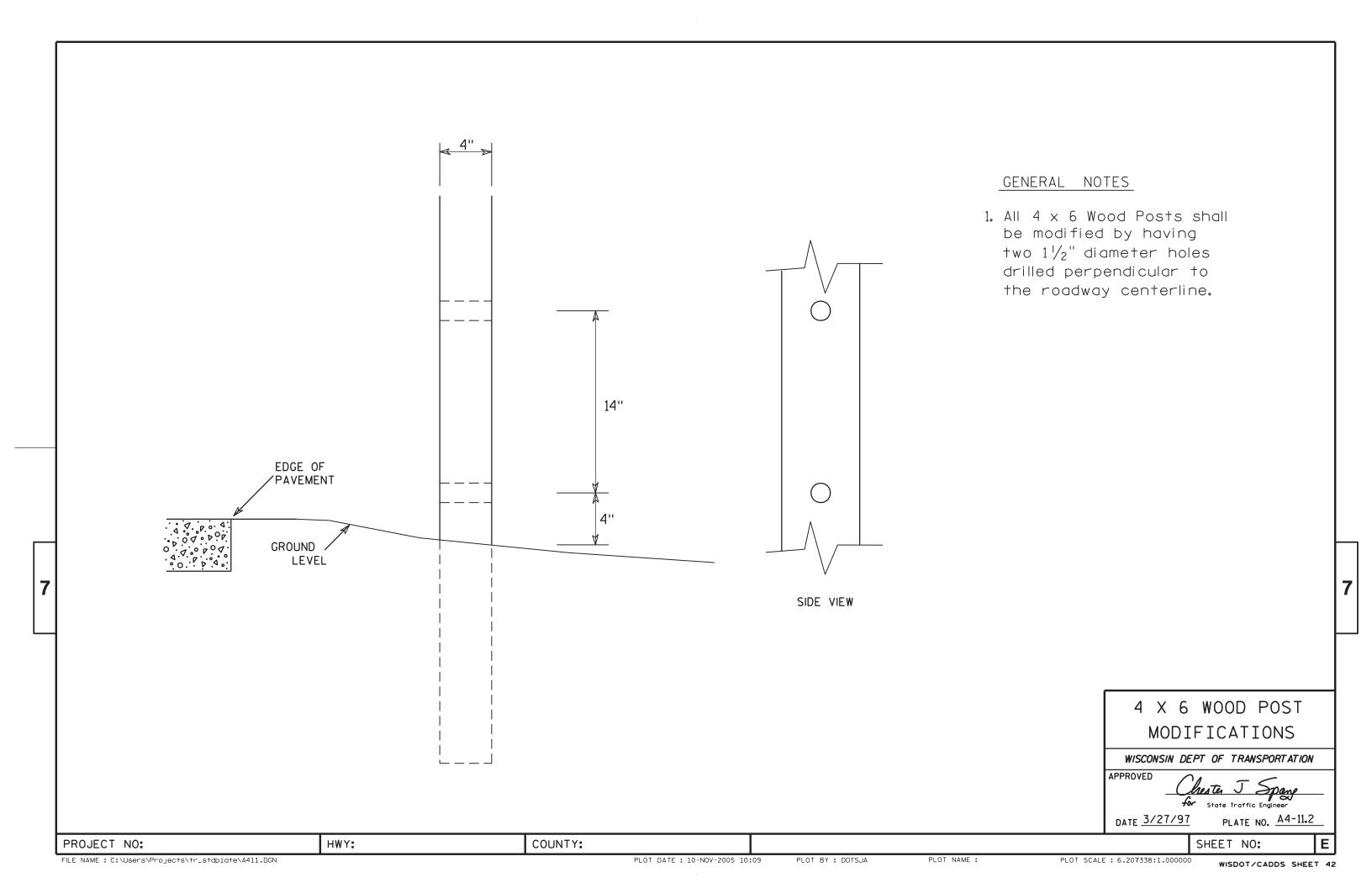
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

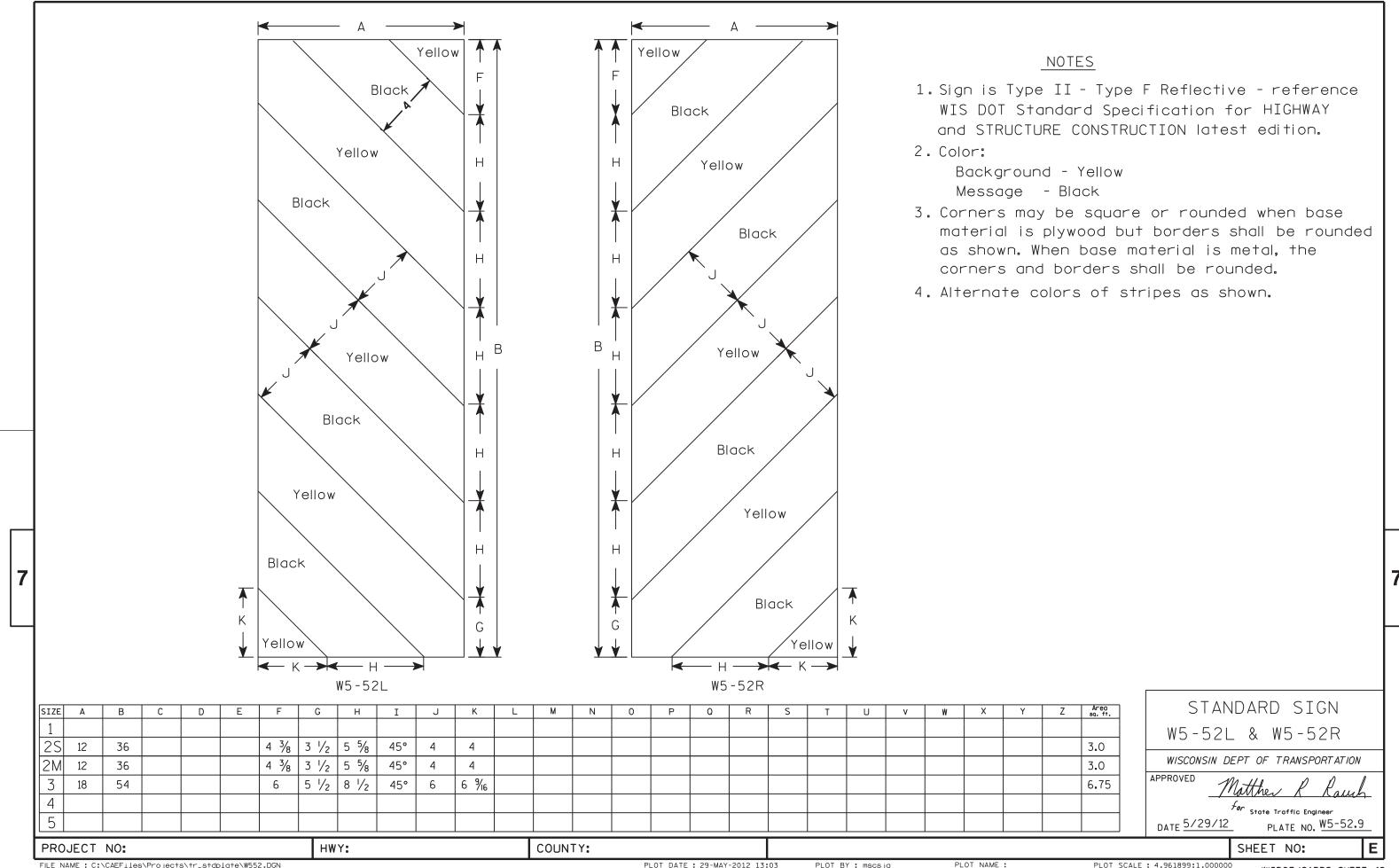
PROJECT NO:

PLOT NAME :

WISDOT/CADDS SHEET 42





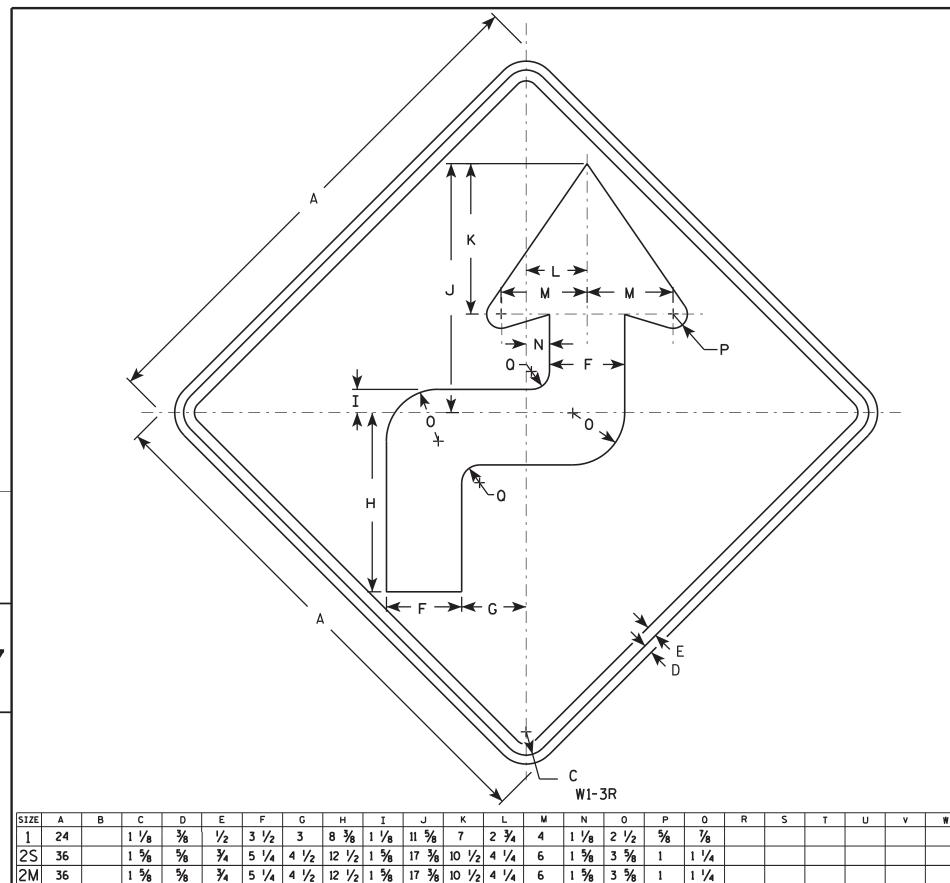


FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W552.DGN

PLOT DATE: 29-MAY-2012 13:03

PLOT BY: mscsja

PLOT SCALE: 4.961899:1.000000



NOTES

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

Background - Yellow Message - Black

- 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. W1-3L is the same as W1-3R except the arrow is reversed along the vertical centerline.

4.0 9.0 9.0 36 1 1/8 3/4 | 5 1/4 | 4 1/2 | 12 1/2 | 1 5/8 | 17 3/8 | 10 1/2 | 4 1/4 | 1 % 3 % | 9.0 4 36 12 1/2 1 5/8 | 17 3/8 | 10 1/2 | 4 1/4 | 1 % 3 % 9.0 1 1/8 6 5 48 2 1/4 16 5/8 2 1/4 23 1/4 14 5 5/8 8 | 2 1/8 | 4 7/8 | 1 1/4 | 1 5/8

COUNTY:

STANDARD SIGN W1-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Laud

For State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-3.8

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W13.DGN

PROJECT NO:

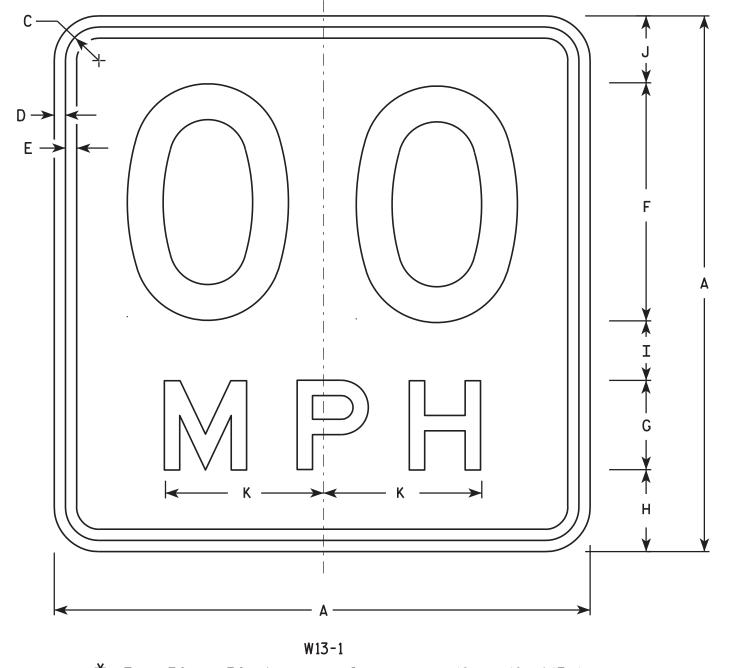
HWY:

PLOT DATE: 17-MAY-2012 13:09

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 6.698561:1.000000



 \star For 30" \times 30" Warning Signs, use 18" \times 18" W13-1 signs. For 36" \times 36" Warning Signs, use 24" \times 24" W13-1 signs.

NOTES

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

Background - Yellow Message - Black

PLOT NAME :

- 3. Message Series See Note 6
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	₩	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 %																4.00
4	36		1 1/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 %	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
PROJECT NO:						HW	HWY:						COUNTY:														

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

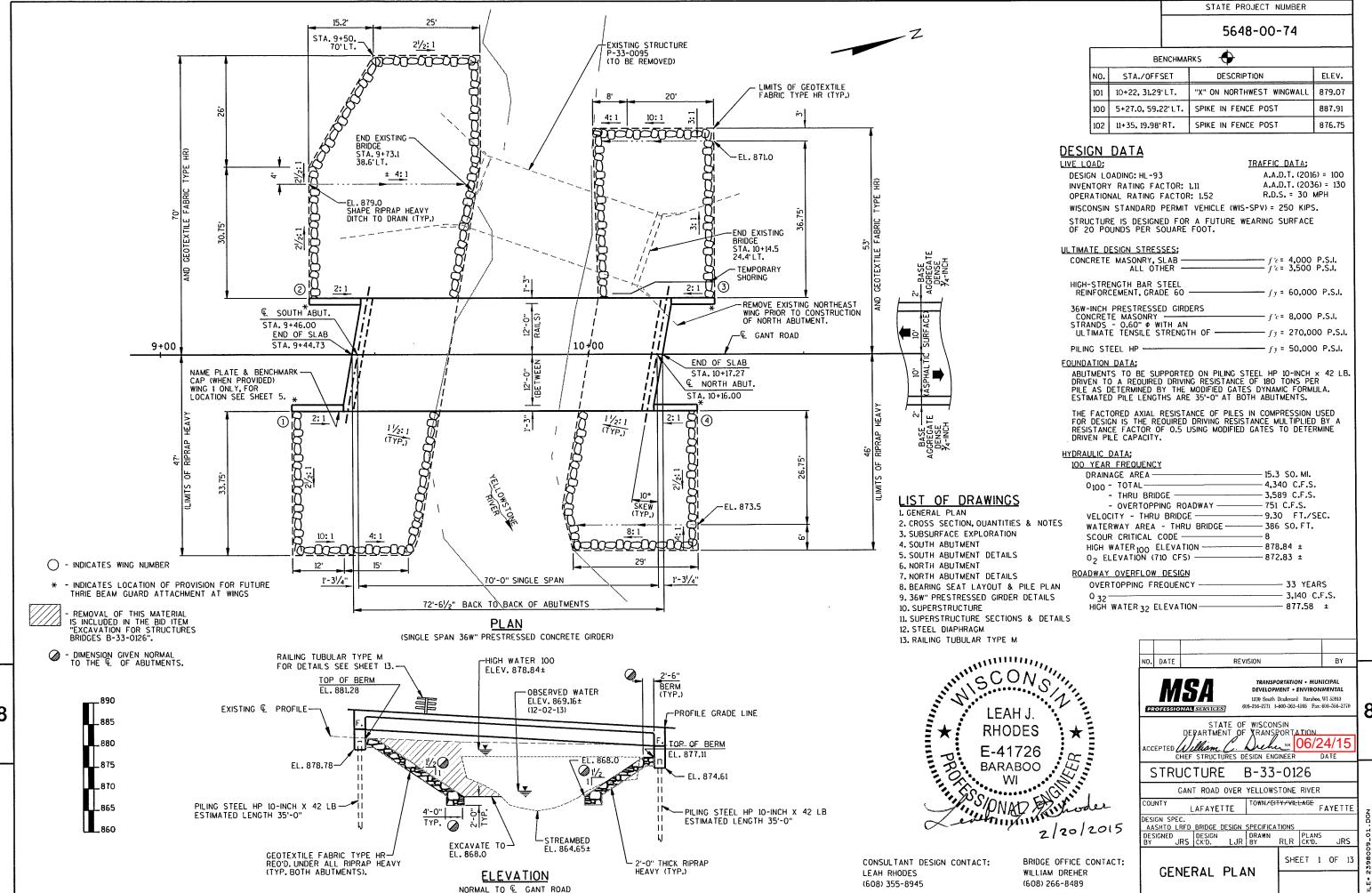
APPROVED Matthew

For State Traffic Engineer

31/12 PLATE NO. <u>W13-1.16</u>

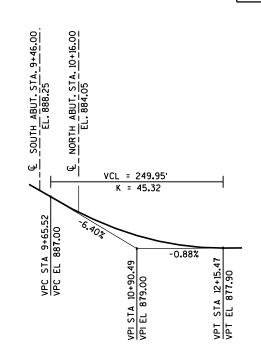
DATE 5/31/12

SHEET NO:

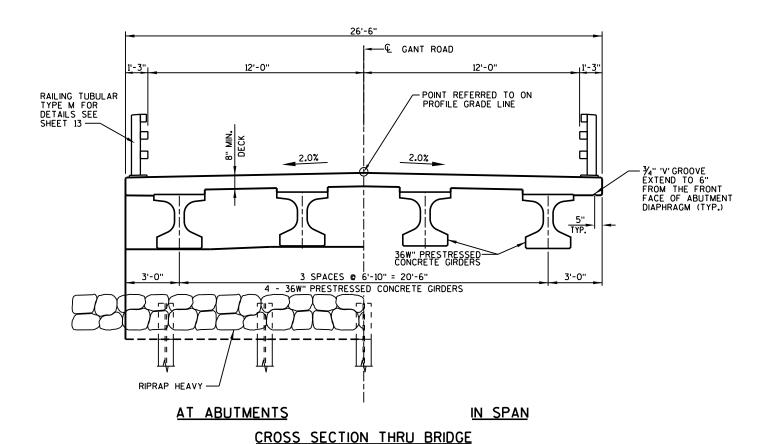


FILE* 2398009_ DATE= 2/20/20

5648-00-74



PROFILE GRADE LINE - GANT ROAD



(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	SOUTH ABUT.	NORTH ABUT.	SUPER.	TOTAL
203.0600.S.01	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 9+94	LS	-	-	-	1
206.1000.01	EXCAVATION FOR STRUCTURE BRIDGES B-33-0126	LS	1	-	-	1
210.0100	BACKFILL STRUCTURE	CY	80	80	-	160
502.0100	CONCRETE MASONRY BRIDGES	CY	35	30	71	136
502.3200	PROTECTIVE SURFACE TREATMENT	SY	19	16	245	280
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	-	-	284	284
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	1545	1545	-	3090
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	1870	1490	12300	15660
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	-	8	8
506.4000.01	STEEL DIAPHRAGMS B-33-0126	EACH	-	-	3	3
511.1200	TEMPORARY SHORING B-33-0126	SF	-	195	-	195
513.4060.01	RAILING TUBULAR TYPE M B-33-0126	LS	-	-	-	1
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	10	9	-	19
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	175	175	-	350
606.0300	RIPRAP HEAVY	CY	315	215	-	530
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	95	90	-	185
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	510	355	-	865
	NON-BID ITEMS					
	PREFORMED FILLER	SIZE				1/2", 3/4"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE FABRIC TYPE HR TO THE LIMITS SHOWN ON SHEET 1 AND ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" FOR THE ABUTMENTS.

THE MINIMUM CONCRETE HAUNCH AT THE EDGE OF THE GIRDER FLANGES SHALL BE $1^l\!/_4$ ". THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH DEPTH OF 3" WHICH IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.

THIS STRUCTURE WILL REPLACE EXISTING BRIDGE, P-33-0095, A 46.6 FOOT LONG, SINGLE SPAN STEEL DECK GIRDER BRIDGE SET ON STONE MASONRY ABUTMENTS.

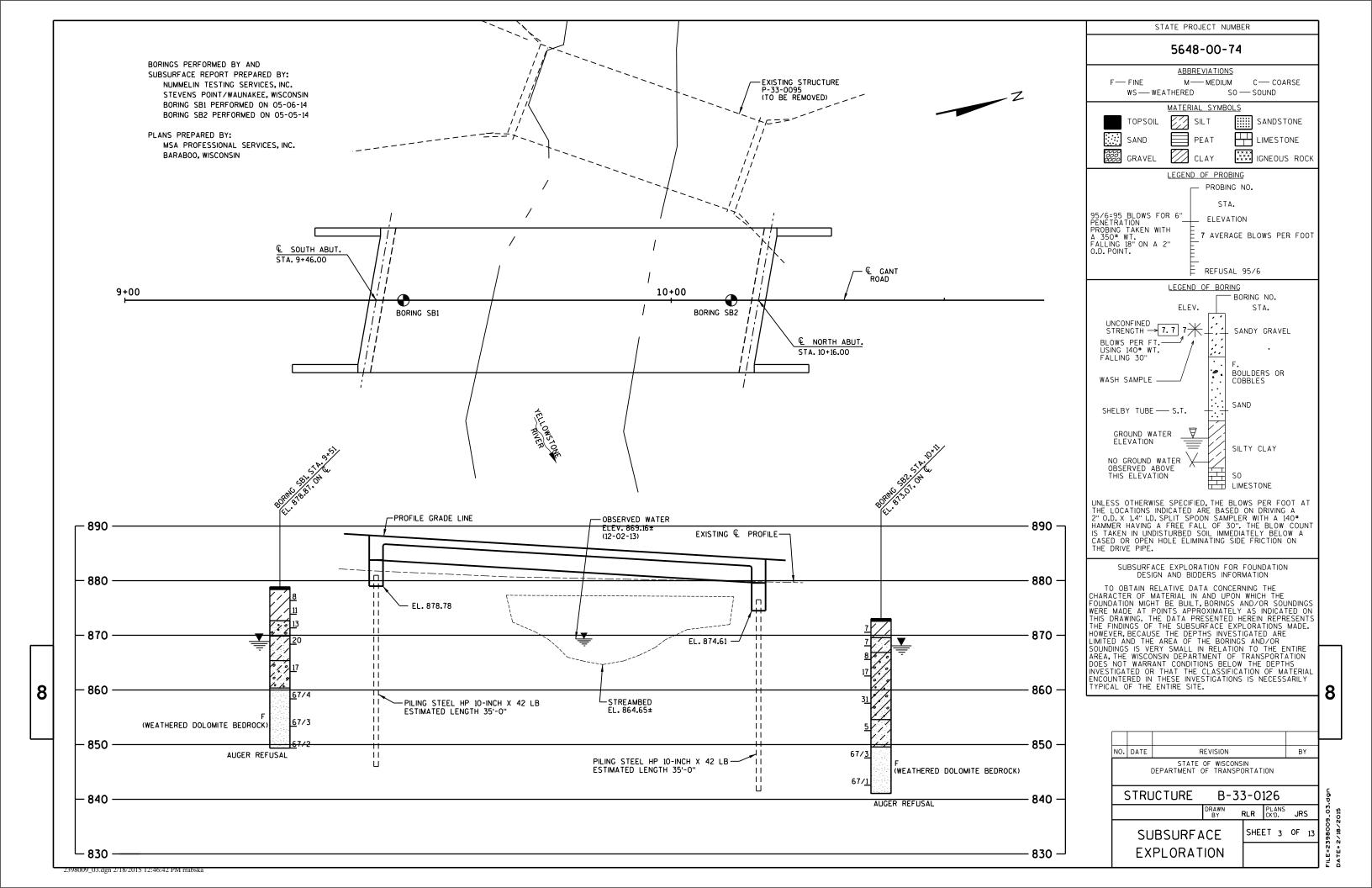
AT THE ABUTMENTS ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE. THE BACKFILL STRUCTURE ESTIMATED QUANTITIES ASSUMED A 1½:1 EXCAVATION SLOPE AT THE ABUTMENTS.

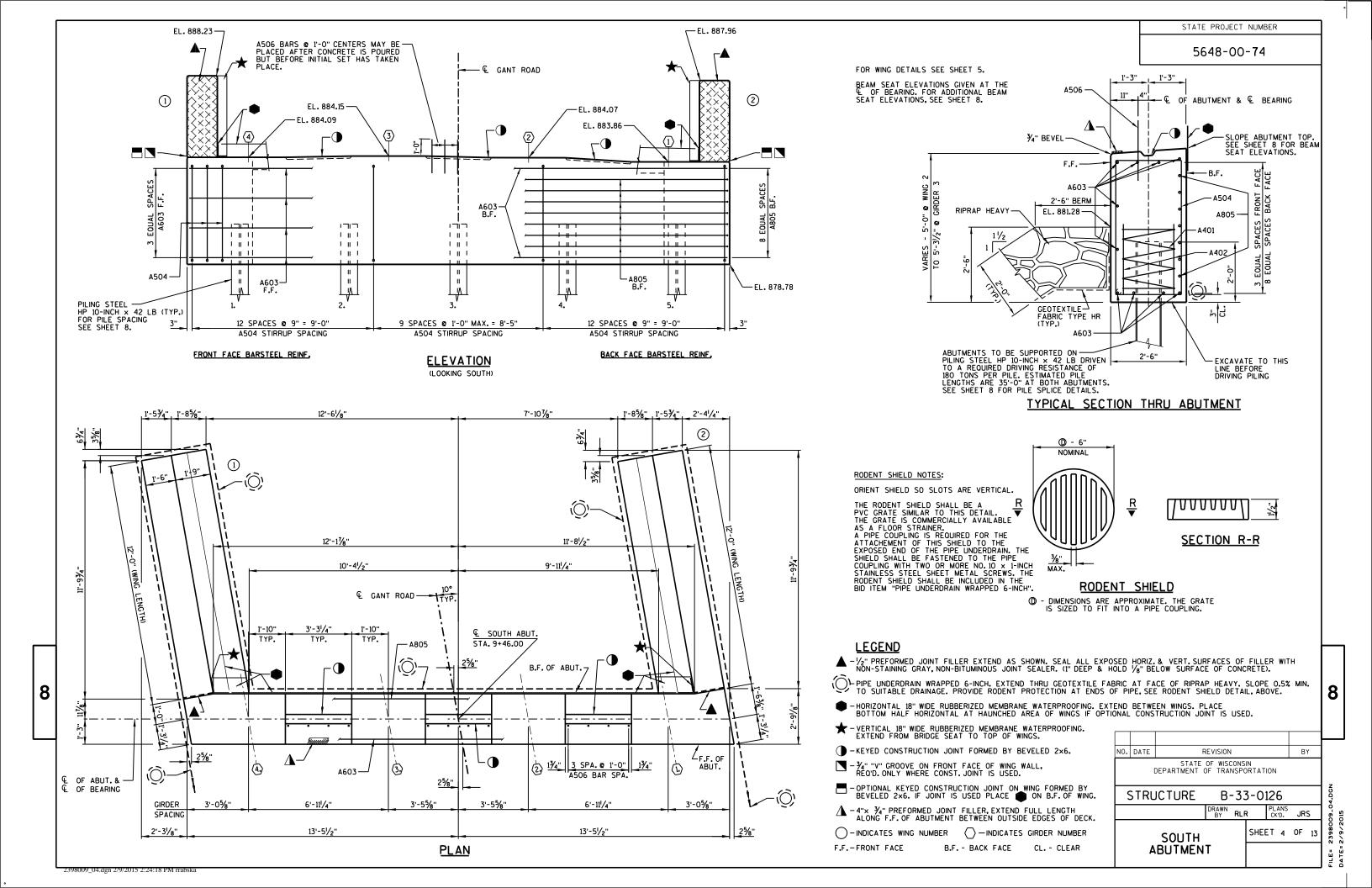
ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO FAYETTE N GPS BENCHMARK WITH ELEVATION OF 1046.51 LOCATED 0.7 MILES NORTHEAST OF THE EXISTING BRIDGE. THE STATION IS A BRONZE WISDOT GEODETIC SURVEY CONTROL STATION.

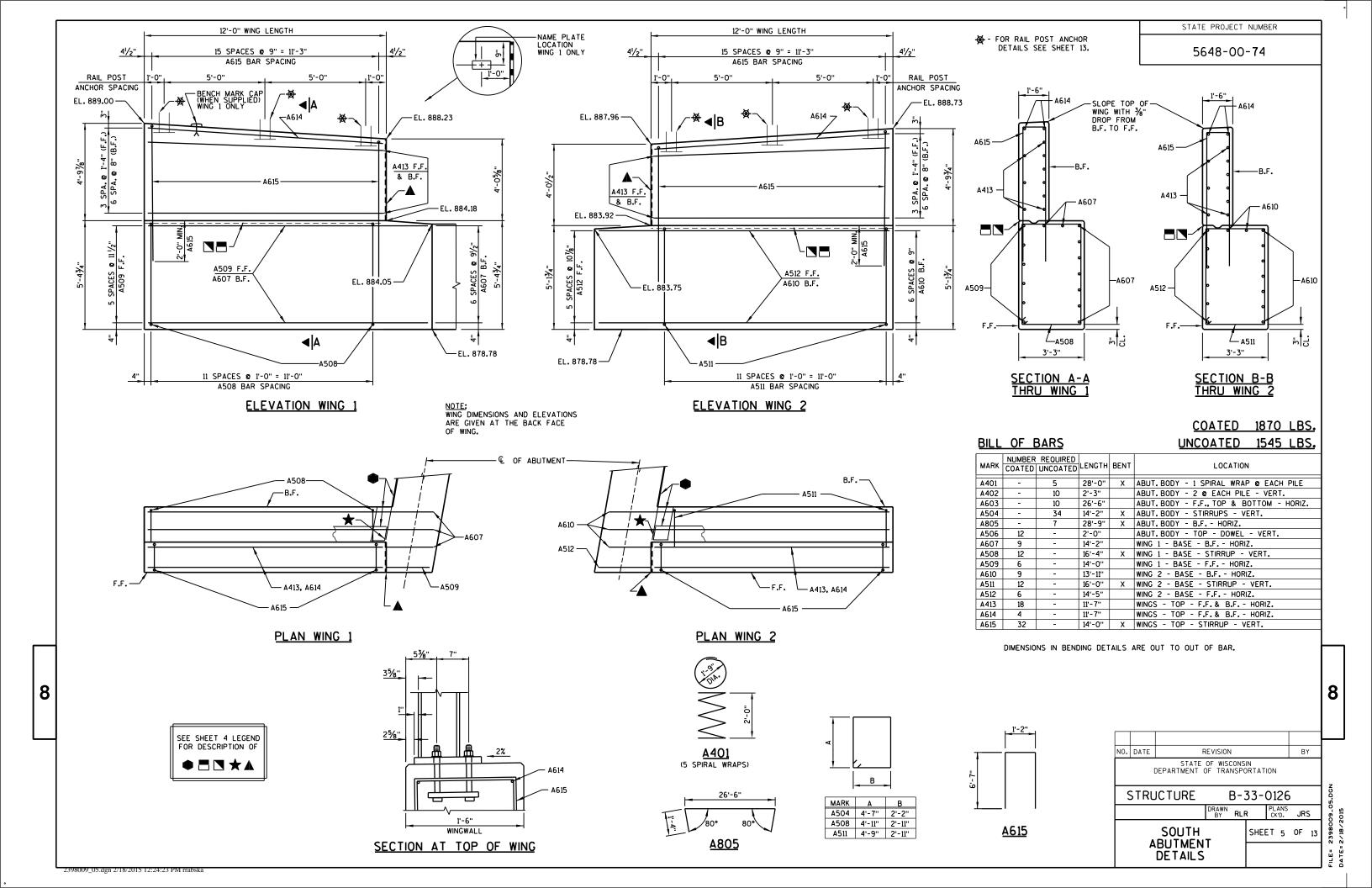
APPLY PROTECTIVE SURFACE TREATMENT TO THE TOP AND SIDES OF THE DECK, TO THE OUTSIDE 1'-O" OF THE UNDERSIDE OF DECK, TO THE TOPS OF WINGS, AND TO THE EXPOSED FRONT FACES OF WINGS.

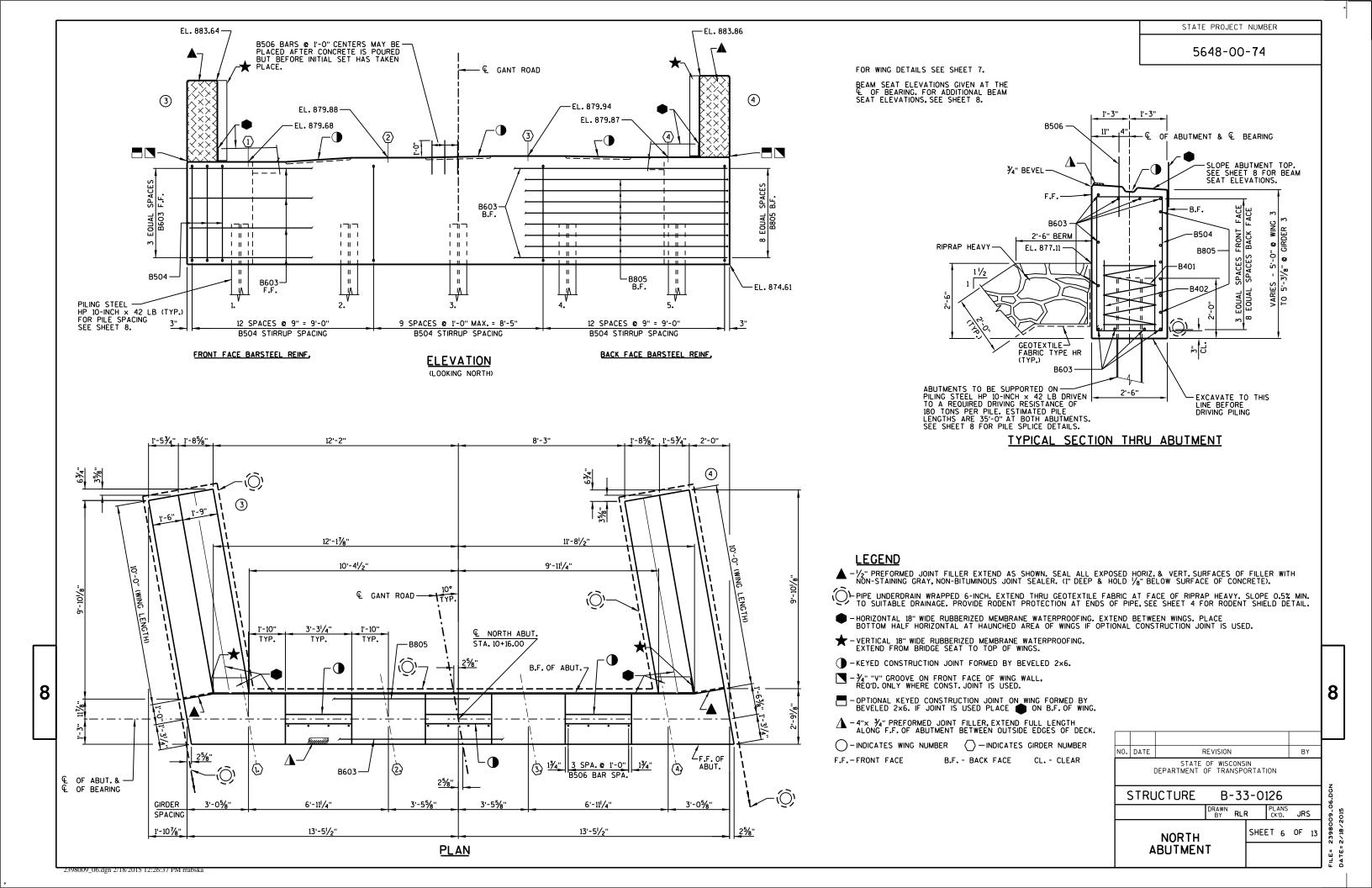
ı											
L											
	BY	NO. DATE REVISION									
		STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION									
		STRUCTURE B-33-0126									
	JRS	PLANS CK'D.									
	OF 13	ET 2	SHE	ION,	SS SECT	CRO					
				QUANTITIES & NOTES							

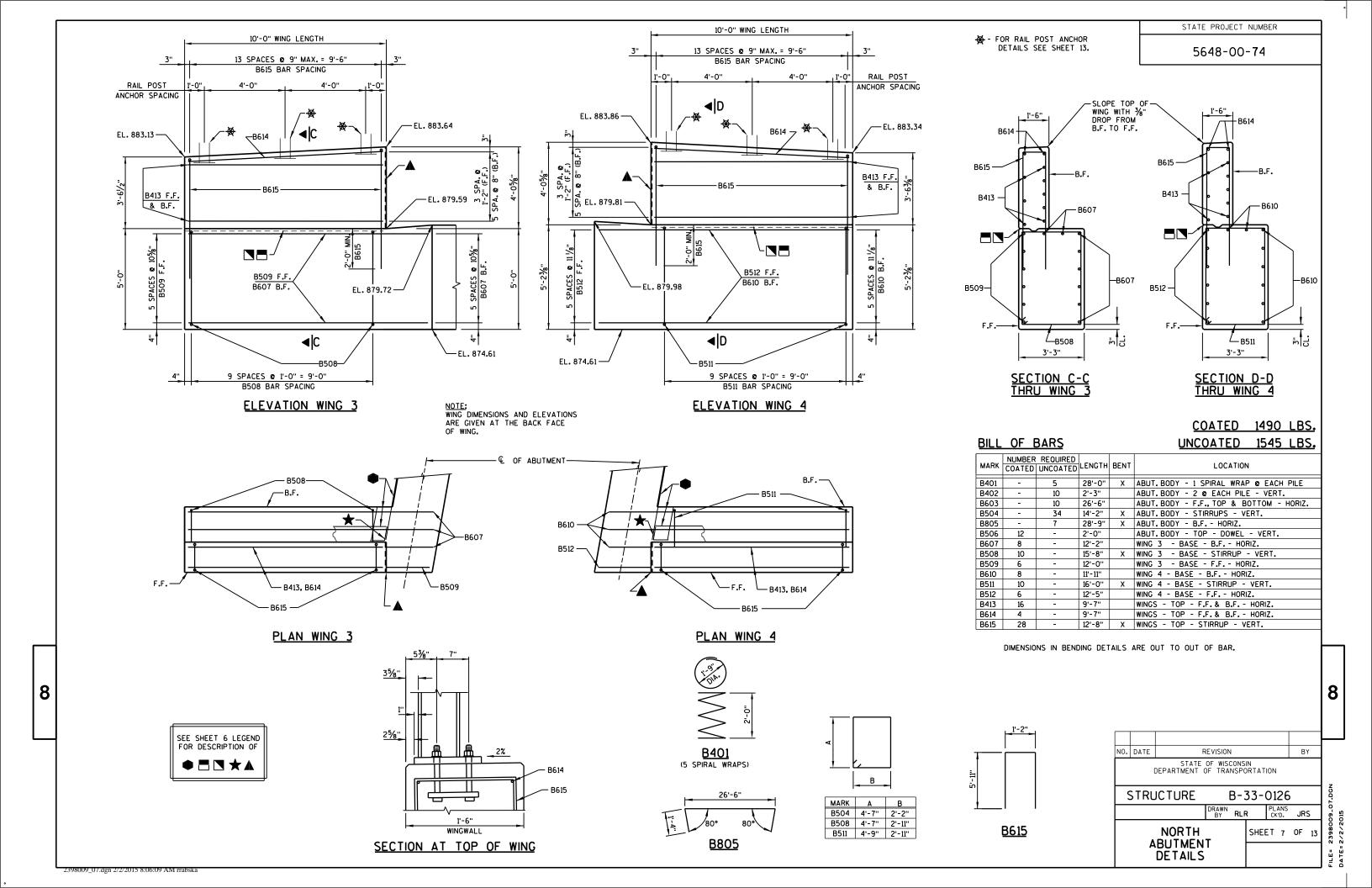
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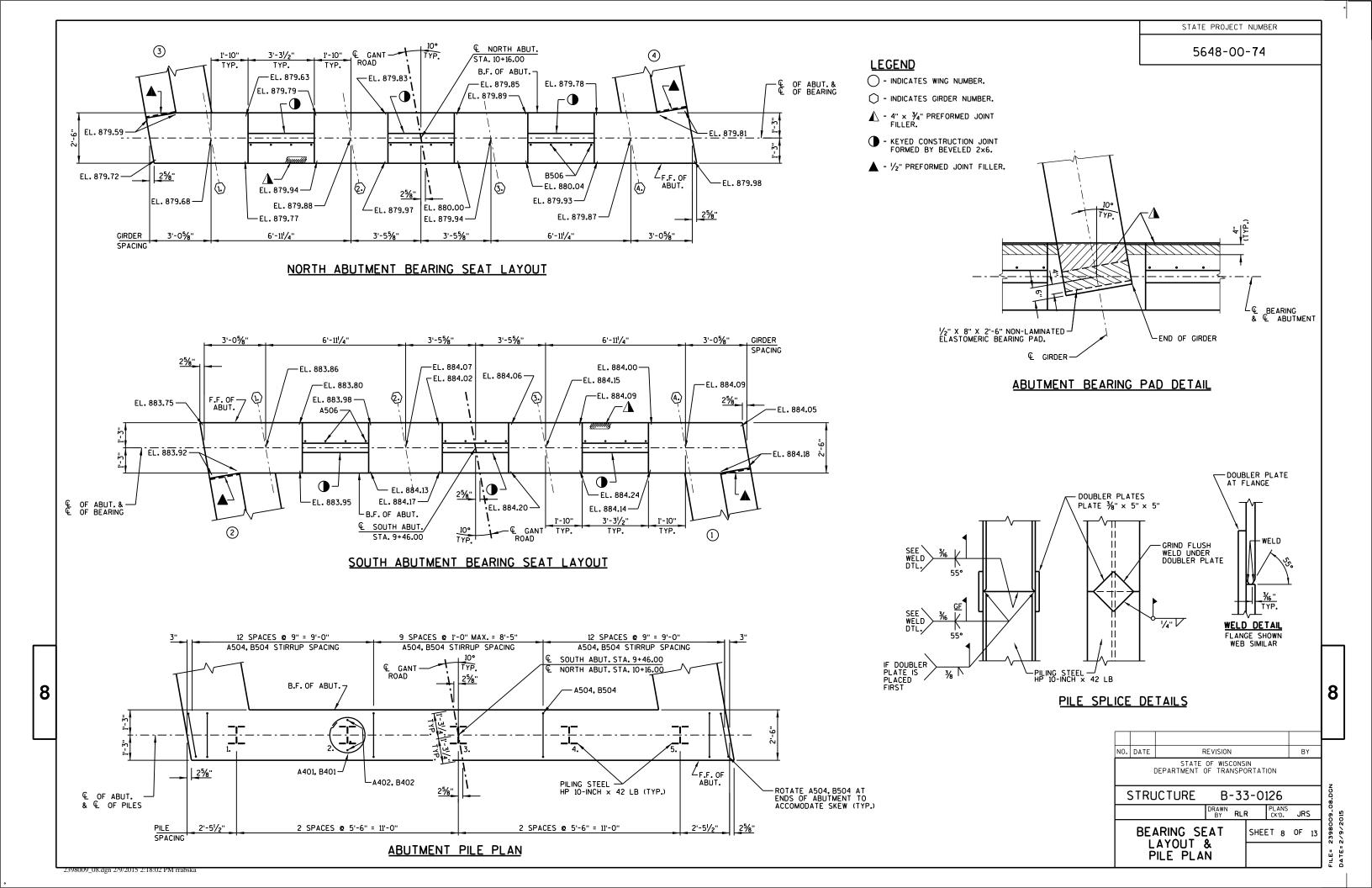


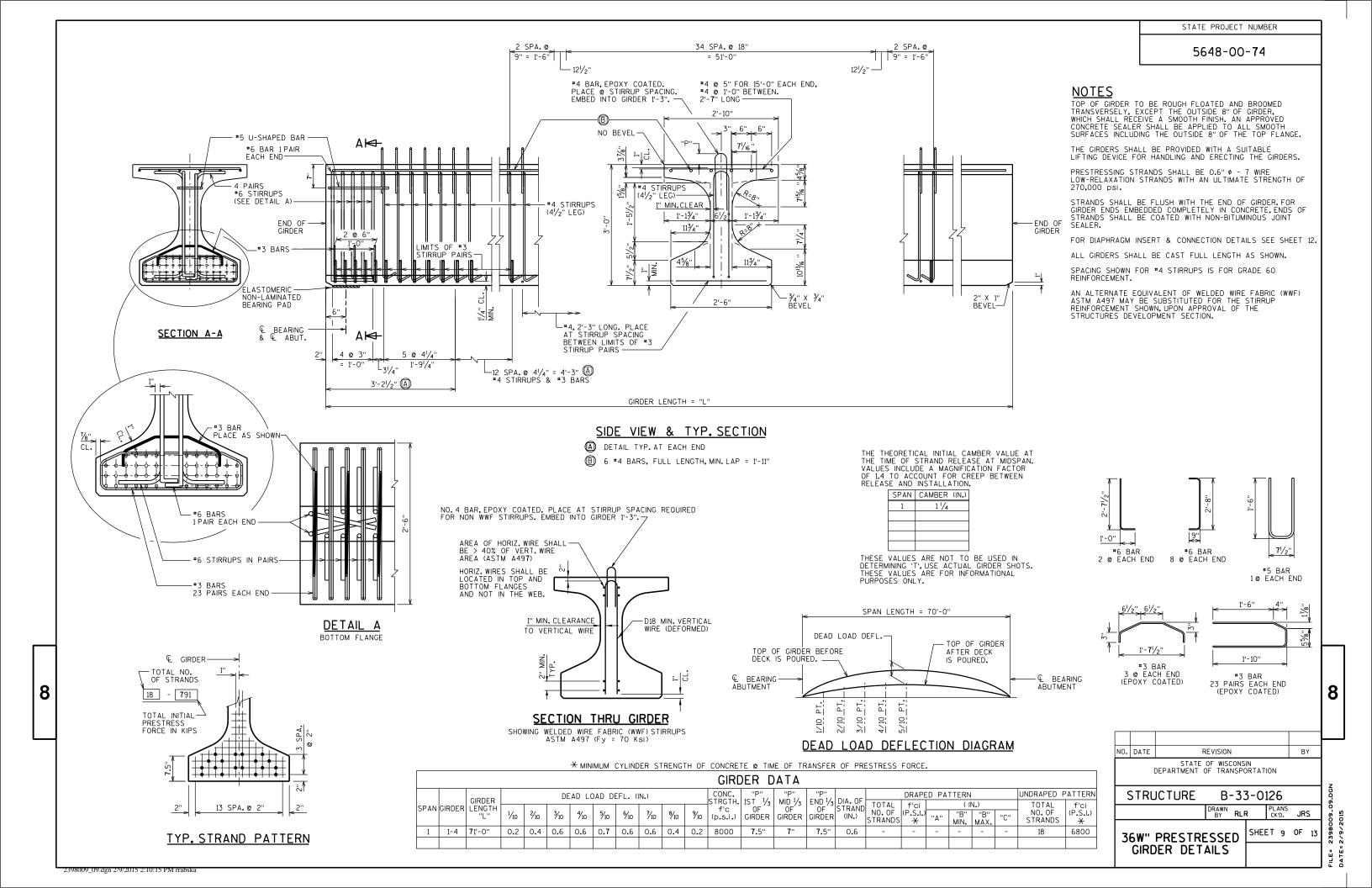


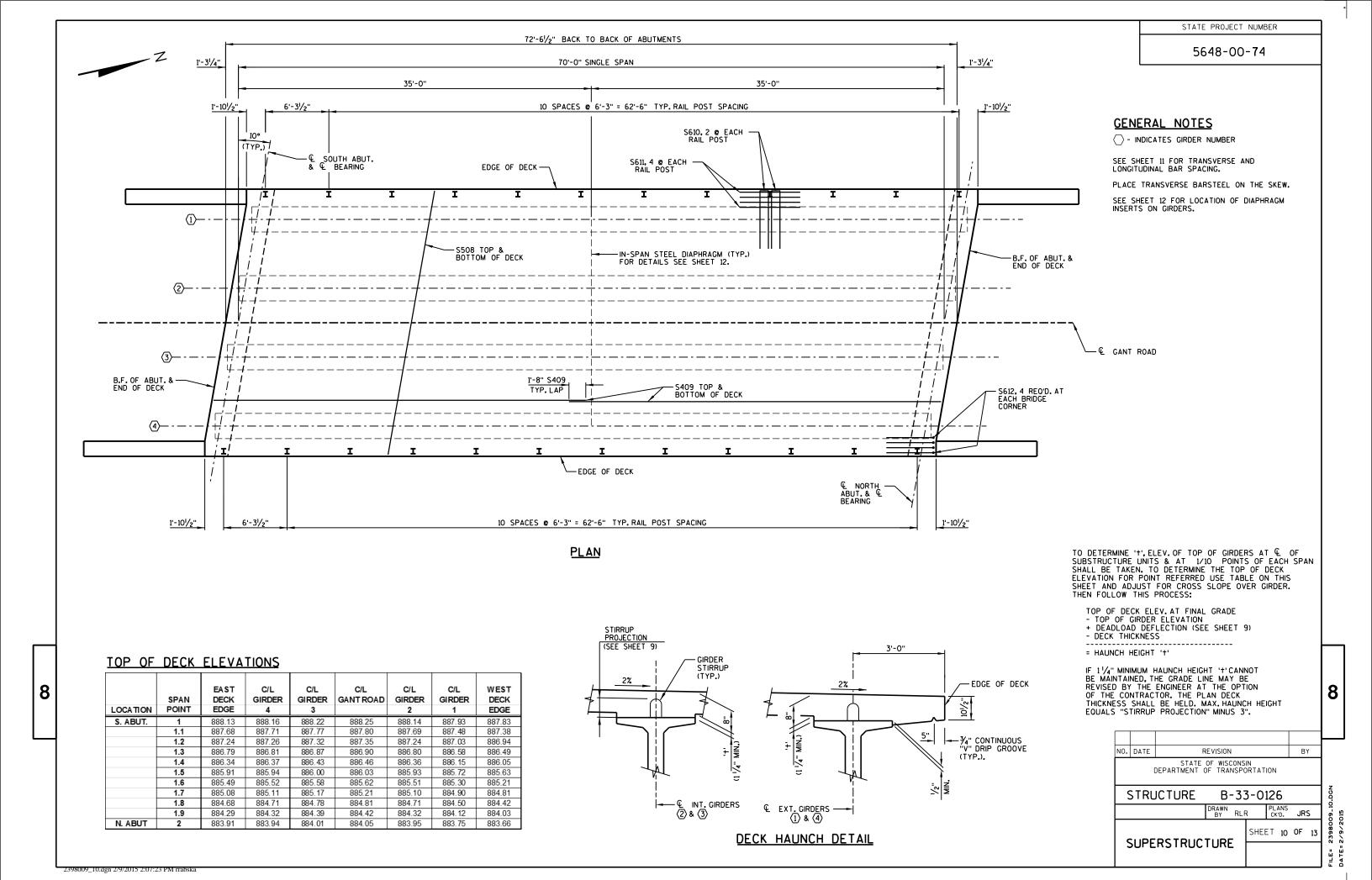












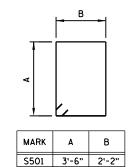


5648-00-74

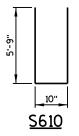
BILL OF BARS (COATED) 12,300 LBS.

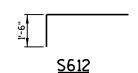
MARK	NUMBER REO'D.	LENGTH	BENT	DESCRIPTION
S501	48	12'-0"	Х	DIAPH. @ ABUT STIRRUP - VERT.
S502	16	7'-8"	Х	DIAPH. @ ABUT STIRRUP - VERT.
S603	10	26'-6"		DIAPH. @ ABUT B.F. & TOP - HORIZ.
S604	6	4'-0"		DIAPH. @ ABUT F.F INTERIOR BAYS - HORIZ.
S605	12	5'-8"		DIAPH. @ ABUT F.F INTERIOR BAYS - HORIZ.
S606	4	1'-5"		DIAPH. @ ABUT F.F. @ ENDS - HORIZ.
S607	8	2'-4"		DIAPH. @ ABUT F.F. @ ENDS - HORIZ.
S508	205	26'-6"		DECK - TOP & BOTTOM - TRANS.
S409	146	36'-11"		DECK - TOP & BOTTOM - LONGIT.
S610	48	12'-0"	Х	DECK - 2 PER RAIL POST - TRANS.
S611	80	6'-0"		DECK - 4 PER RAIL POST - LONGIT.
S612	16	6'-0"	Х	DECK - 4 PER END RAIL POST AS NOTED

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR. EPOXY COAT ALL SUPERSTRUCTURE BAR REINFORCEMENT.



S502 1'-4" 2'-2"

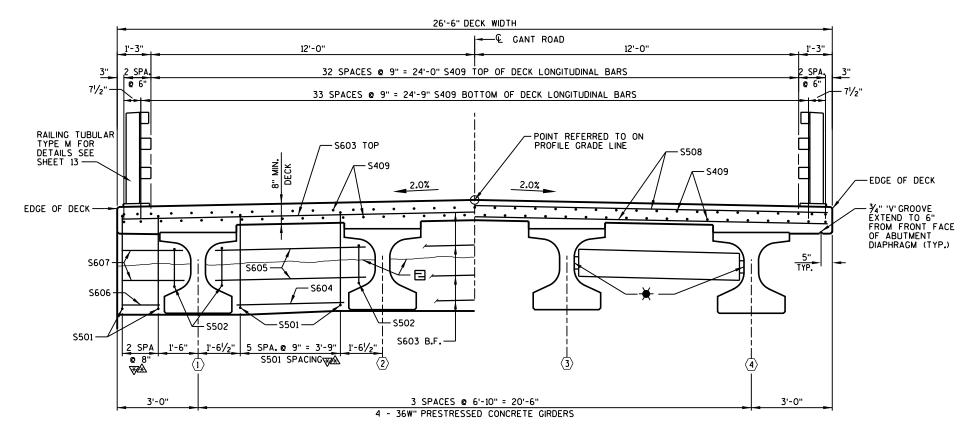




LEGEND

- INDICATES GIRDER NUMBER
- OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDERS. IF USED DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.
- FOR DETAILS OF STEEL DIAPHRAGMS AND DIAPHRAGM INSERTS, SEE SHEET 12. FOR LAYOUT OF STEEL DIAPHRAGMS, SEE PLAN SHEET 10.
- riangle DIMENSION IS TAKEN NORMAL TO $ilde{\mathbb{Q}}$ SUBSTRUCTURE UNITS.
- ₩A DIMENSION IS TAKEN NORMAL TO €
- F.F. FRONT FACE
- B.F. BACK FACE

Ē	GIRD	ER.							8
	NO.	DATE	F	REVISION			В	Y	
		I	STATE DEPARTMENT (OF WISCONS OF TRANSPO		ION			
	5	STRL	JCTURE	B-33	3-0	126			DG.
				DRAWN BY RLF	₹	PLANS CK'D.	JR	S	11.60
	9		RSTRUC SECTIONS DETAIL	SHE	ET 11	OF	13	LE= 2398009_11.DGN ATE=2718/2015	

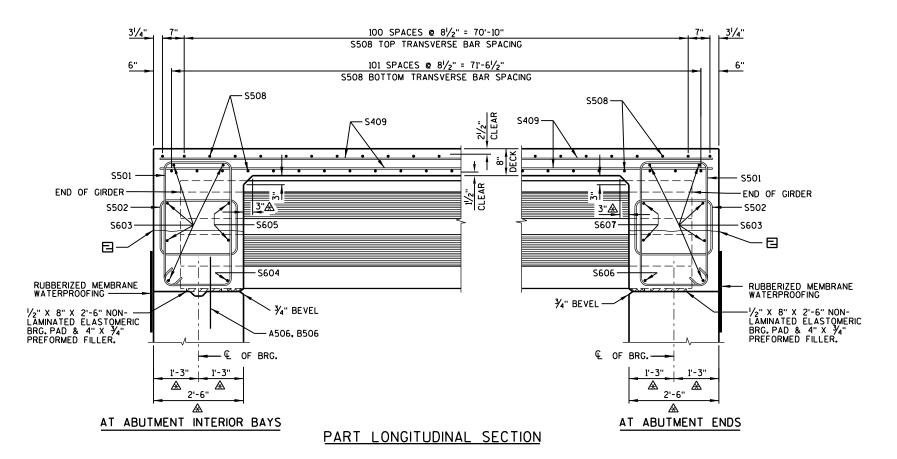


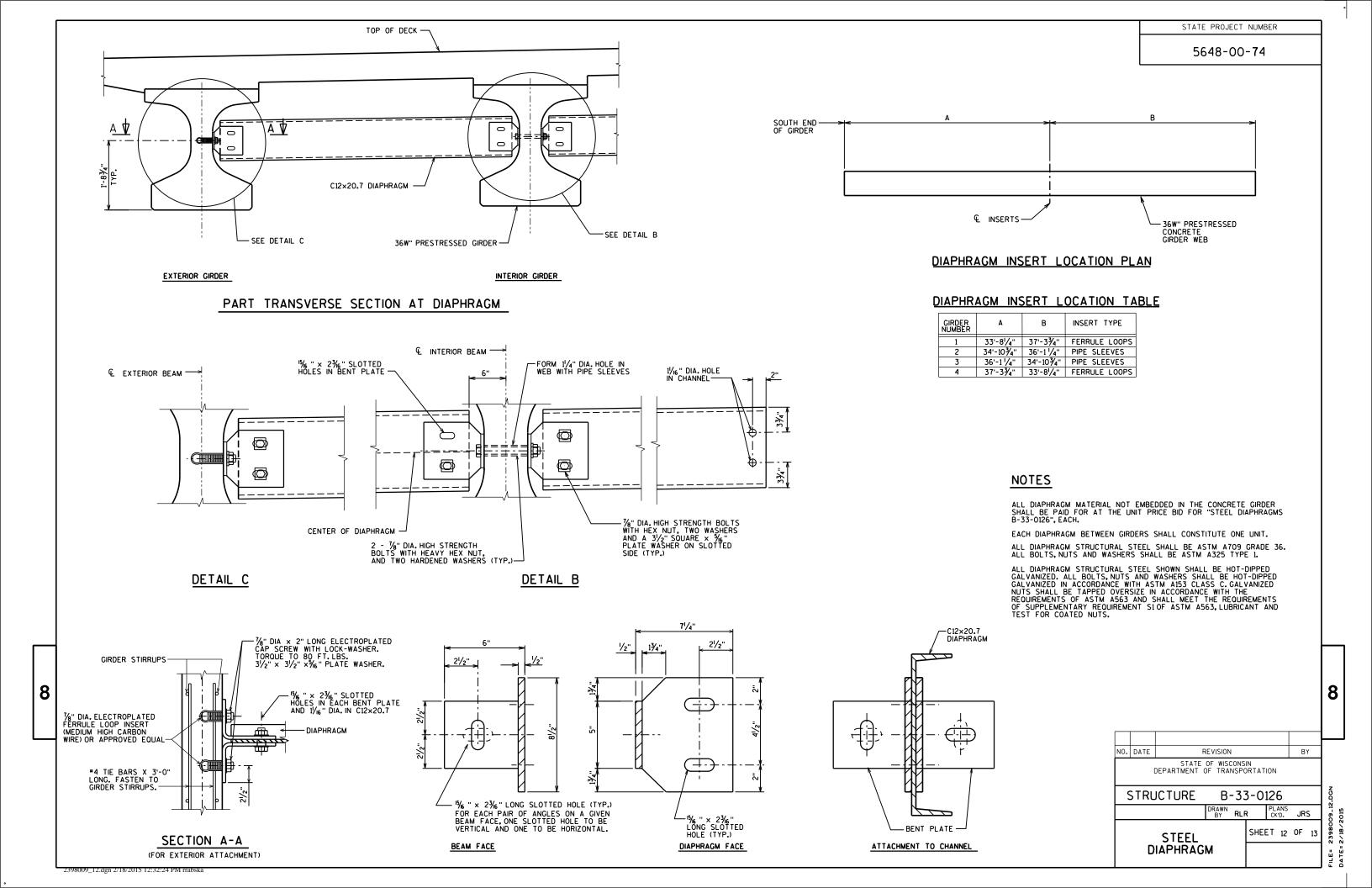
AT ABUTMENTS

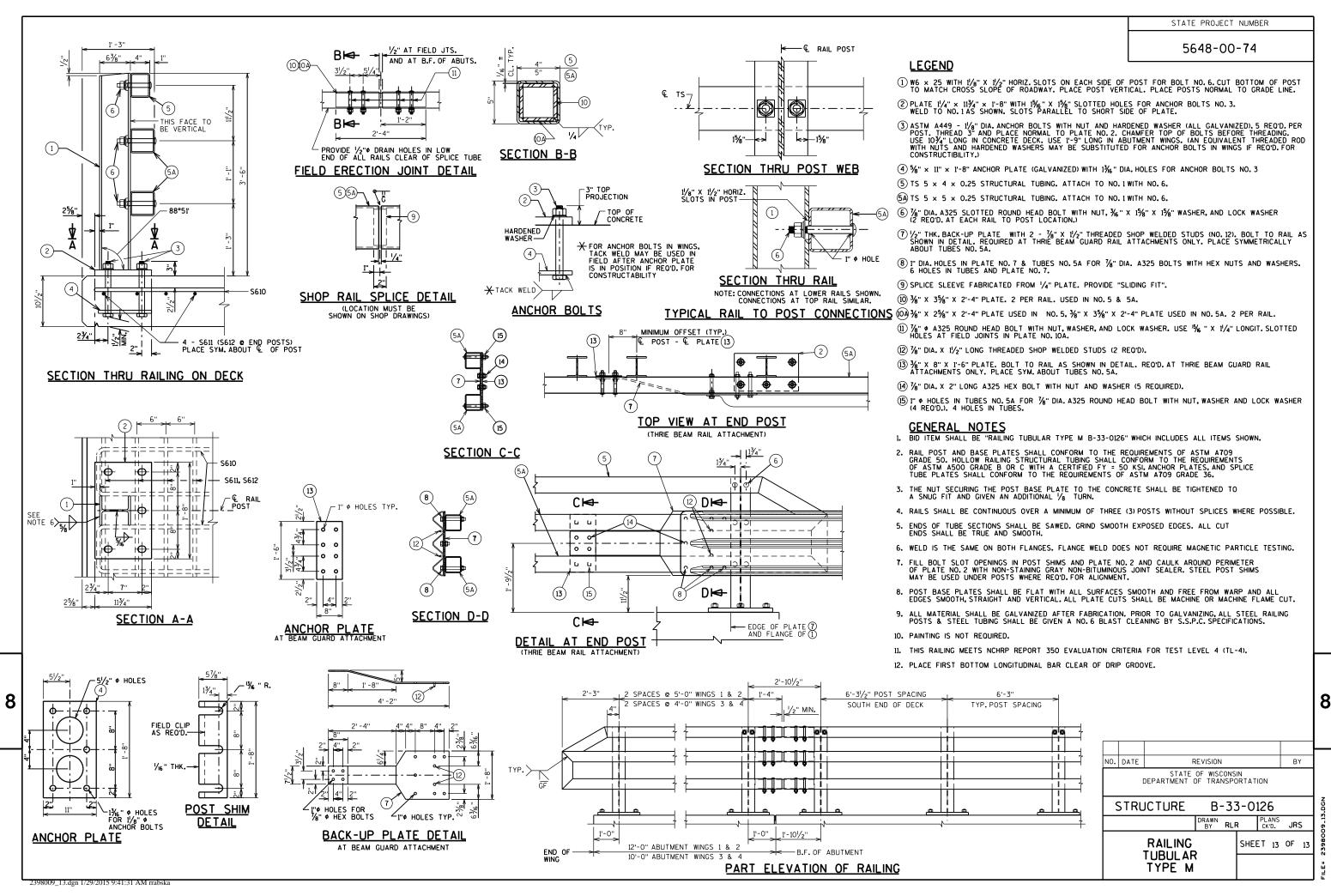
<u>IN SPAN</u>

CROSS SECTION THRU BRIDGE

(LOOKING NORTH)







				·		` '	(Unadjusted)		Cumulative Vol (C	4			
STATION D	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Rock Exc	Cut 1.00 Note 1	Expanded Fill 1.25	Expanded Rock 1.10	Mass Ordinate
7+00		43	0	0	0	0	0	0	0	0	0	0	0
7+50	50	108	0	0	40	140	0	0	37	140	-51	41	190
8+00	50	31	0	155	0	129	0	144	37	268	78	81	190
8+50	50	0	0	306	0	29	0	427	0	297	612	81	-315
9+00	50	8	0	460	0	8	0	710	0	305	1499	81	-1195
9+44.73	44.73	8	0	460	0	13	0	762	0	318	2452	81	-2134
3-33-0126													

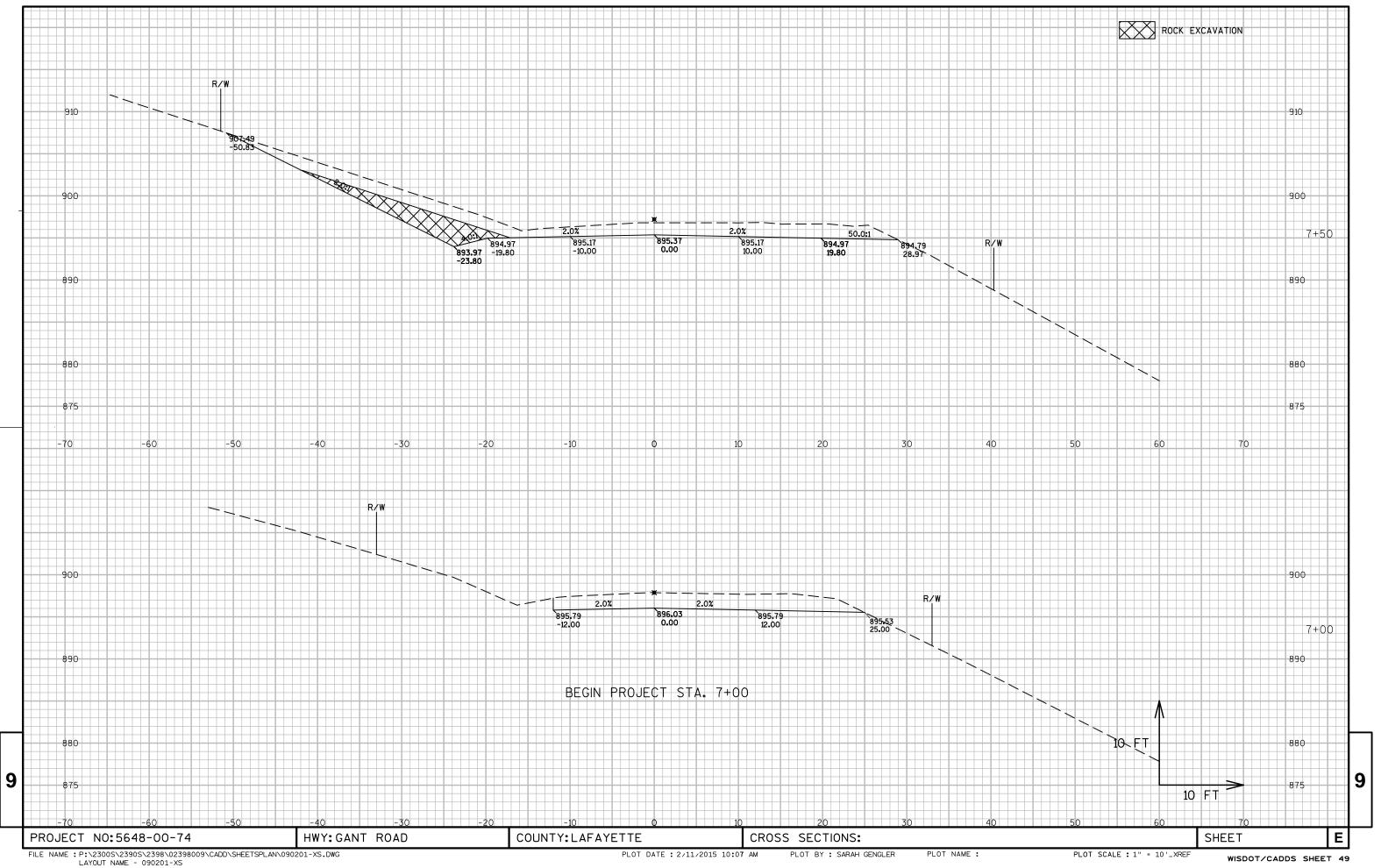
- 1) CUT CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
- 2) SALVAGED/UNUSABLE PAVEMENT MATERIAL THIS DOES NOT SHOW UP IN CROSS SECTIONS
- 3) FILL DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
- 8) MASS ORDINATE IF MARSH OR EBS TO BE BACKFILLEDWITH GRANULAR: (CUT + EBS + MARSH EXC) (FILL (REDUCED MARSH IN FILL) (REDUCED EBS IN FILL) (EXPANDED ROCK)) * FILL FACTOR

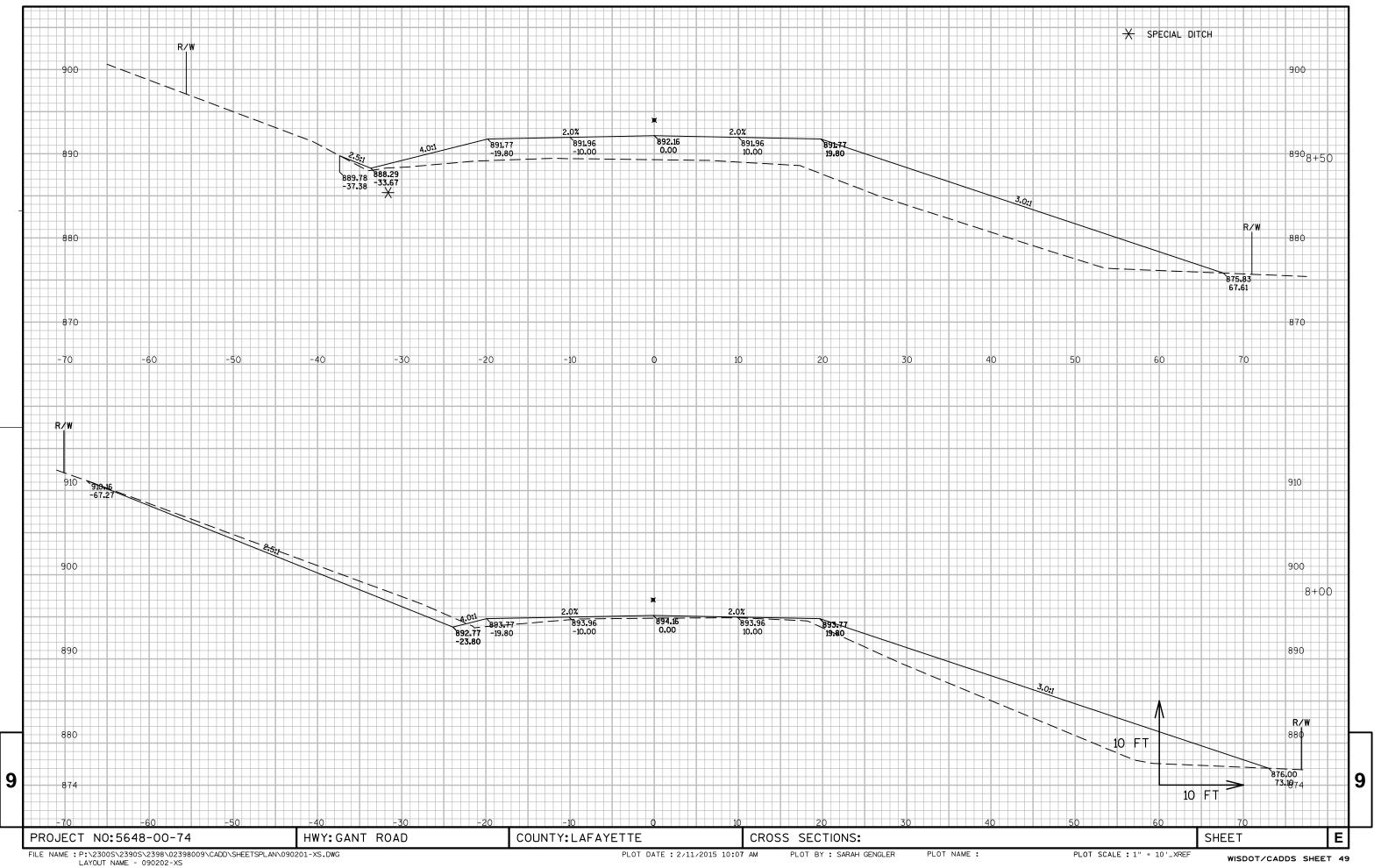
EARTHWORK PROJECT I.D. 5648-00-74

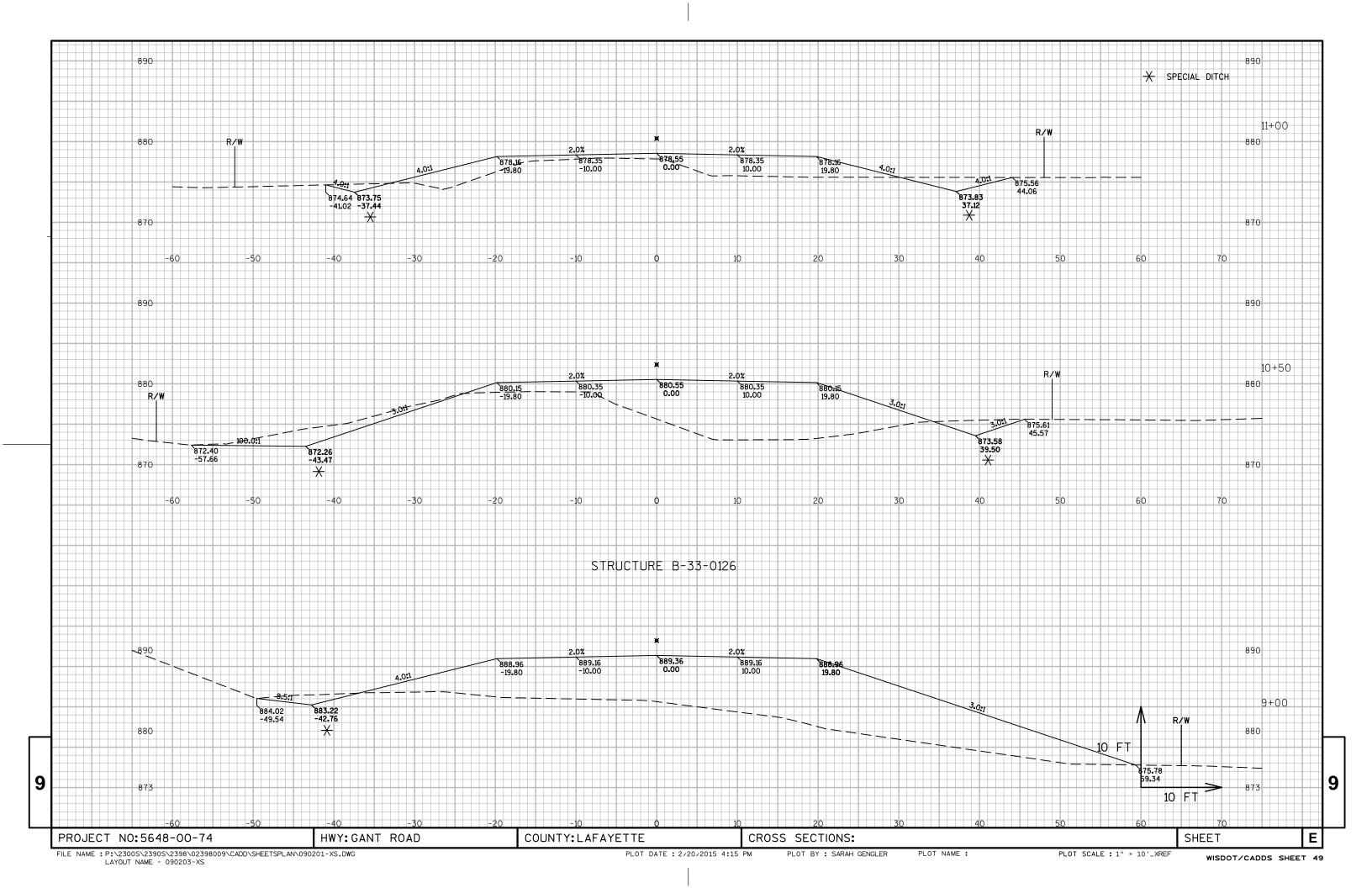
	AREA (SF)) (Unadjusted)		Cumulative Vol (C				
STATION	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Rock Exc	Cut 1.00 Note 1	Expanded Fill 1.25	Expanded Rock 1.10	Mass Ordinate
B-33-0126													
10+17.27		41	0	229	0	0	0	0	0	0	0	0	0
10+50	32.73	41	0	229	0	49	0	277	0	49	347	0	-297
11+00	50	16	0	92	0	52	0	297	0	102	718	0	-616
11+50	50	31	0	15	0	43	0	99	0	145	842	0	-697
12+00	50	39	0	4	0	65	0	17	0	210	864	0	-653
12+50	50	42	0	0	0	75	0	3	0	285	868	0	-583
12+50	50	42	0	0	0	75 285	0	<u>3</u> 694	0	285	868	0	<u> </u>

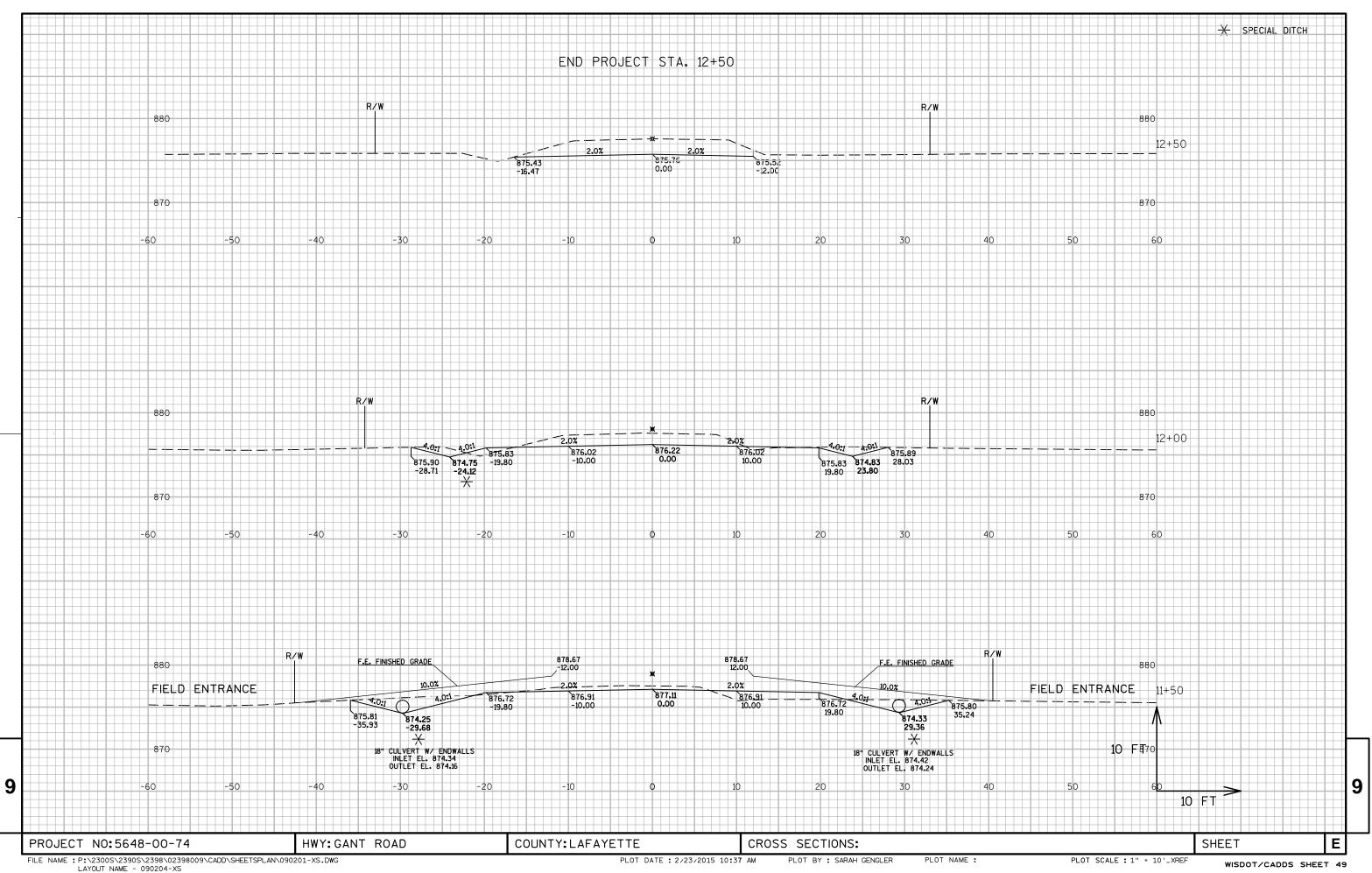
- 1) CUT CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
- 2) SALVAGED/UNUSABLE PAVEMENT MATERIAL THIS DOES NOT SHOW UP IN CROSS SECTIONS
 3) FILL DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
- 8) MASS ORDINATE IF MARSH OR EBS TO BE BACKFILLEDWITH GRANULAR: (CUT + EBS + MARSH EXC) (FILL (REDUCED MARSH IN FILL) (REDUCED EBS IN FILL) (EXPANDED ROCK)) * FILL FACTOR

PROJECT NO:5648-00-74 HWY: GANT ROAD COUNTY: LAFAYETTE EARTHWORK SHEET PLOT NAME :









Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov