AUGUST 2025 ORDER OF SHEETS

Section No. Typical Sections and Details Section No. Estimate of Quantities Section No. Miscellaneous Quantities

Section No. Section No. Standard Detail Drawings

Computer Earthwork Data

TOTAL SHEETS = 50

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

T HICKORY GROVE, SLEEPY HOLLOW ROAD

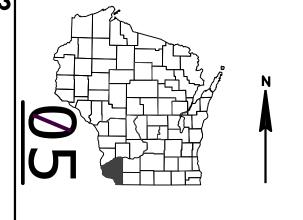
SAUNDERS CREEK BRIDGE B-22-0315

LOC STR GRANT COUNTY

STATE PROJECT NUMBER 5892-00-73

31

R-3-W - R-2-W

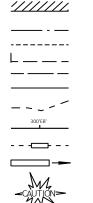


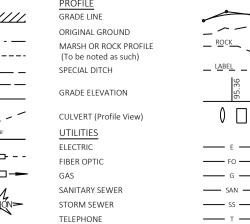
DESIGN DESIGNATION 5892-00-03

AADT 2026 = 55 A.A.D.T. 2046 = 62 D.H.V. = 8 D.D. = 62/38 = 7.7% DESIGN SPEED = 45 MPH

CONVENTIONAL SYMBOLS

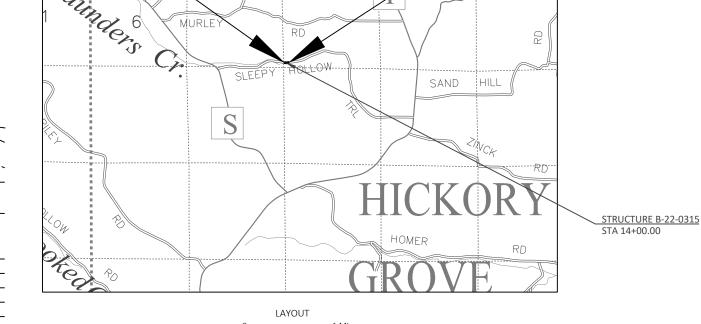
CORPORATE LIMITS PROPERTY LINE LOTTINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS MARSH AREA





BEGIN PROJECT

STA 13+31.23 Y: 617 406.236 X: 841 394.498



HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), GRANT COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

END PROJECT

STA 14+69.17

ACCEPTED FOR TOWN OF HICKORY GROVE

FEDERAL PROJECT

WISC 2025578

CONTRACT

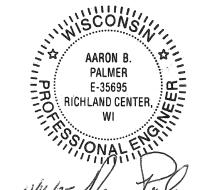
STATE PROJECT

5892-00-73

ORIGINAL PLANS PREPARED BY



619 EAST HOXIE STREET P.O. BOX 429 SPRING GREEN, WISCONSIN 53588 FAX (608) 588-7954



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY WESTBROOK ASSOCIATED ENGINEERS, INC Surveyor Designer

ATE:_4/18/25

WOODED OR SHRUB AREA

Ø

TELEPHONE POLE

TOTAL NET LENGTH OF CENTERLINE =

HAIDINGER

STANDARD ABBREVIATIONS ABUT ABUTMENT MGAI ONE THOUSAND GALLONS ML OR M/L MATCH LINE AC. ACRE AGG AGGREGATE NOM NOMINAL NORMAL CROWN АН AHEAD NC ANGLE NORTHBOUND NB ANNUAL AVERAGE DAILY TRAFFIC NO AADT NUMBER ASPH ASPHALTIC OD OUTSIDE DIAMETER ВK BACK PAVT PAVEMENT BASE AGGREGATE DENSE BAD POINT OF CURVATURE PC BL OR B/I BASE LINE PΙ POINT OF INTERSECTION BENCH MARK POINT OF TANGENCY CL OR C/L CENTER LINE PCC PORTLAND CEMENT CONCRETE CENTRAL ANGLE OR DELTA LB POUND POLINDS PER SOLIARE INCH CONC CONCRETE PSI CONST CONSTRUCTION PΕ PRIVATE ENTRANCE CONTROL POINT PROJECT CP PROJ CO COUNTY PL PROPERTY LINE CTH COUNTY TRUCK HIGHWAY RADIUS CY CUBIC YARD REFERENCE LINE DEGREE OF CURVE REQD REQUIRED DHV DESIGN HOUR VOLUME RT RIGHT DIA DIAMETER RIGHT HAND FORWARD R/W DD DIRECTIONAL DISTRIBUTION RIGHT OF WAY DWY DRIVEWAY RD ROAD EΑ EACH RDWY ROADWAY EB EASTBOUND SHLDR SHOULDER EL OR ELEV ELEVATION SW SIDEWALK FMB **EMBANKMENT** SB SOUTHBOUND **ESALS** EQUIVALENT SINGLE AXLE LOADS **SPECS SPECIFICATIONS EXCAVATION** SQUARE FEET EXC FXIST FXISTING SY SOLIARE YARD FFRT FERTILIZER SDD STANDARD DETAIL DRAWINGS FL OR F/L STATE TRUNK HIGHWAY FLOW LINE STH FT FOOT STA STATION HIGH FARLY STRENGTH SUPERELEVATION HES SF CWT HUNDRED WEIGHT SL OR S/L SURVEYLINE IN DIA INCH DIAMETER TEMP **TEMPORARY** INSIDE DIAMETER TRUCKS (PERCENT OF) ID ΙH INTERSTATE HIGHWAY TYP TYPICAL INV INVERT USH UNITED STATES HIGHWAY JOINT VAR VARIABLE JT LEFT VERTICAL CURVE ΙT VC

LHE

LF

LC

15

LEET HAND FORWARD

LONG CHORD OF CURVE

LENGTH OF CURVE

LINEAR FOOT

LUMP SUM

TOTAL PROJECT AREA = <u>0.209</u> ACRES

5892-00-73

PROJECT NO:

WISCONSIN DNR LIAISON

ANDY BARTA DNR SOUTH CENTRAL REGION HEADQUARTERS 3911 FISH HATCHERTY RD FITCHBURG, WI 53711 PHONE: (608) 235-2955

EMAIL: andrew.barta@wisconsin.gov

DESIGN CONSULTANT

AARON PALMER, P.E. WESTBROOK ASSOCIATED ENGINEERS, INC. 619 EAST HOXIE ST SPRING GREEN, WI 53588 PHONE: (608) 588-7866

EMAIL: apalmer@westbrookeng.com

DESIGN PROJECT MANAGER

JOSH SCHOENMANN, P.E. SOUTHWEST REGION 2101 WRIGHT ST MADISON, WI 53704 PHONE: (608) 235-2437 EMAIL: josh.schoenmann@dot.wi.gov

TOWN OF HICKORY GROVE

GARY NORTHOUSE TOWN OF HICKORY GROVE CHAIRMAN 14642 HOMER RD FENNIMORE, WI 53809 PHONE: (608) 485-0851 EMAIL: garyrnot@gmail.com

UTILITIES CONTACTS

BRIGHTSPEED COMMUNICATIONS DOUG MCGOWAN 135 NORTH BONSON ST PLATTEVILLE, WI 53818 PHONE: (980) 376-1578 EMAIL: DOUG.MCGOWAN1@BRIGHTSPEED.COM SCENIC RIVERS ENERGY COOPERATIVE ELECTRIC CHAD OLMSTEAD 231 N SHERIDAN ST LANCASTER, WI, 53813 PHONE: (608) 723-2121 EMAIL: COLMSTEAD@SREC.NET

RUNOFF COEFFICIENT TABLE

WFST

WESTBOUND

VERTICAL POINT OF CURVATURE

VERTICAL POINT OF TANGENCY

VERTICAL POINT OF INTERSECTION

VPC

VPT

W

	HYDROLOGIC SOIL GROUP											
	A		В			С			D			
	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS:	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
NOW CROPS.	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIPTURF:	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
INIEDIAN STRIFTORF.	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.25			.27			.28			.30
SIDE SLOPETORF.			.32			.34			.36			.38
PAVEMENT:												
ASPHALT:	.7095											
CONCRETE:	.8095											
BRICK:	.7080											
DRIVES, WALKS: .7585												
ROOFS: .7595												
GRAVEL ROADS, SHOULDERS:				.4060								

Dial or (800)242-8511 www.DiggersHotline.com

GENERAL NOTES

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

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN

APPLY TACK COAT BETWEEN LAYERS OF HMA PAVEMENT AT A RATE OF 0.05 GAL/SY.

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

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

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

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD. THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER

THE CONTRACTOR SHALL PREPARE AN EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND SUBMIT THE PLAN TO WISDOT AND WDNR FOR REVIEW AT LEAST 14 DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCES.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S AND APPROVED BY THE ENGINEER. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

BIODEGRADABLE NON-NETTED MATTING SHALL BE USED ALONG STREAM CORRIDORS.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY

PRIOR TO PLACING THE NEW BASE AGGREGATE DENSE COURSE OR PAVED SHOULDERS EXISTING UNCOMPACTED SHOULDER MATERIAL SHALL BE REMOVED OR DEPOSITED ON THE OUTER PORTION OF THE EXISTING SHOULDER OR AS DIRECTED BY THE ENGINEER.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH, PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

THE CONTRACTOR'S PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING. TURNING. PASSING, OR PARKING LANE.

SAWCUTS, AS SHOWN ON THE PLANS, ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN PAVING OR PIPE LAYING OPERATIONS REQUIRE THE DRIVEWAY TO BE CLOSED. ACCESS TO DRIVEWAYS SHALL BE RE-ESTABLISHED IMMEDIATELY AFTER OPERATIONS ARE COMPLETED. ACCESS SHALL BE PROVIDED DURING ALL NON-WORKING

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS PERMANENT SIGNING ALIGNMENT DETAILS AND CONTROL POINTS

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.114 ACRES

HWY: SLEEPY HOLLOW ROAD

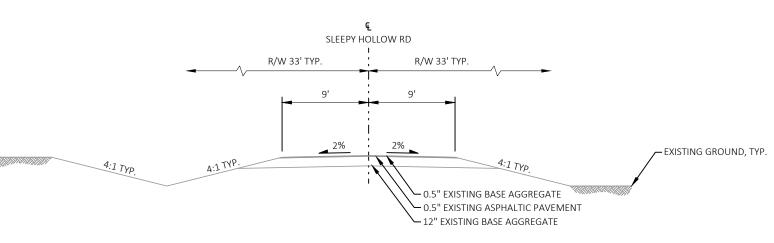
COUNTY: GRANT

GENERAL NOTES

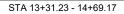
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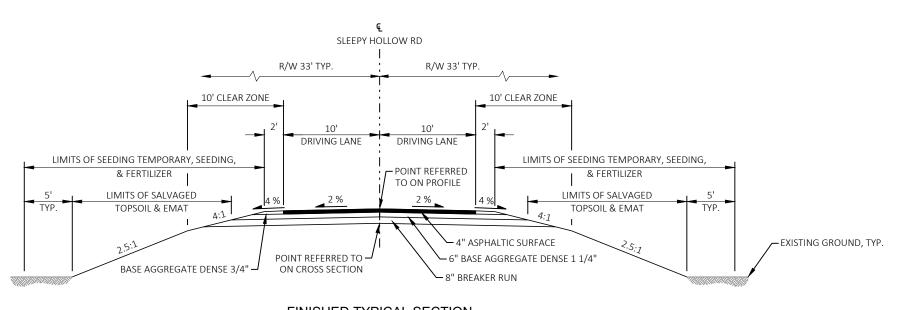
PLOT SCALE :





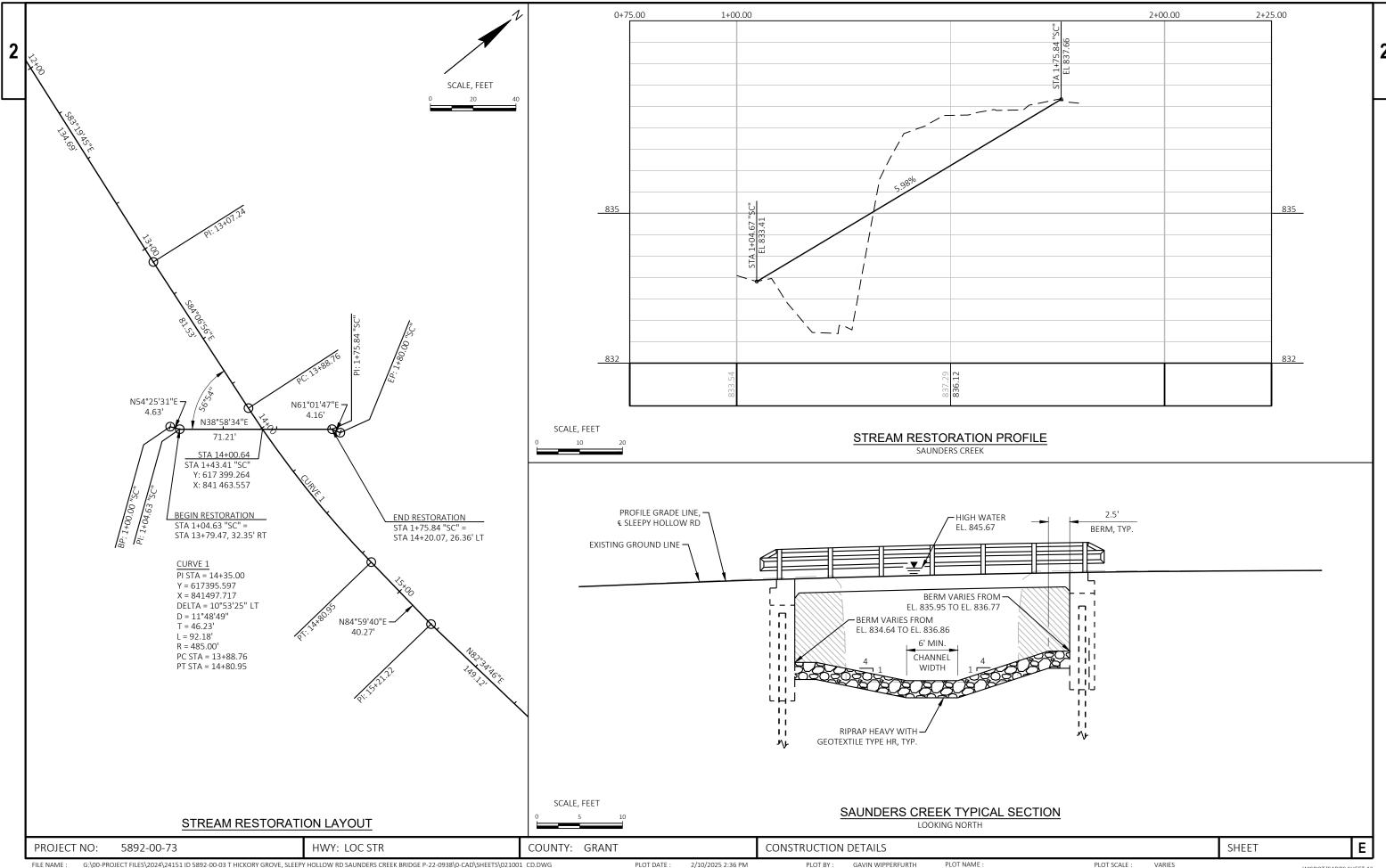
EXISTING TYPICAL SECTION

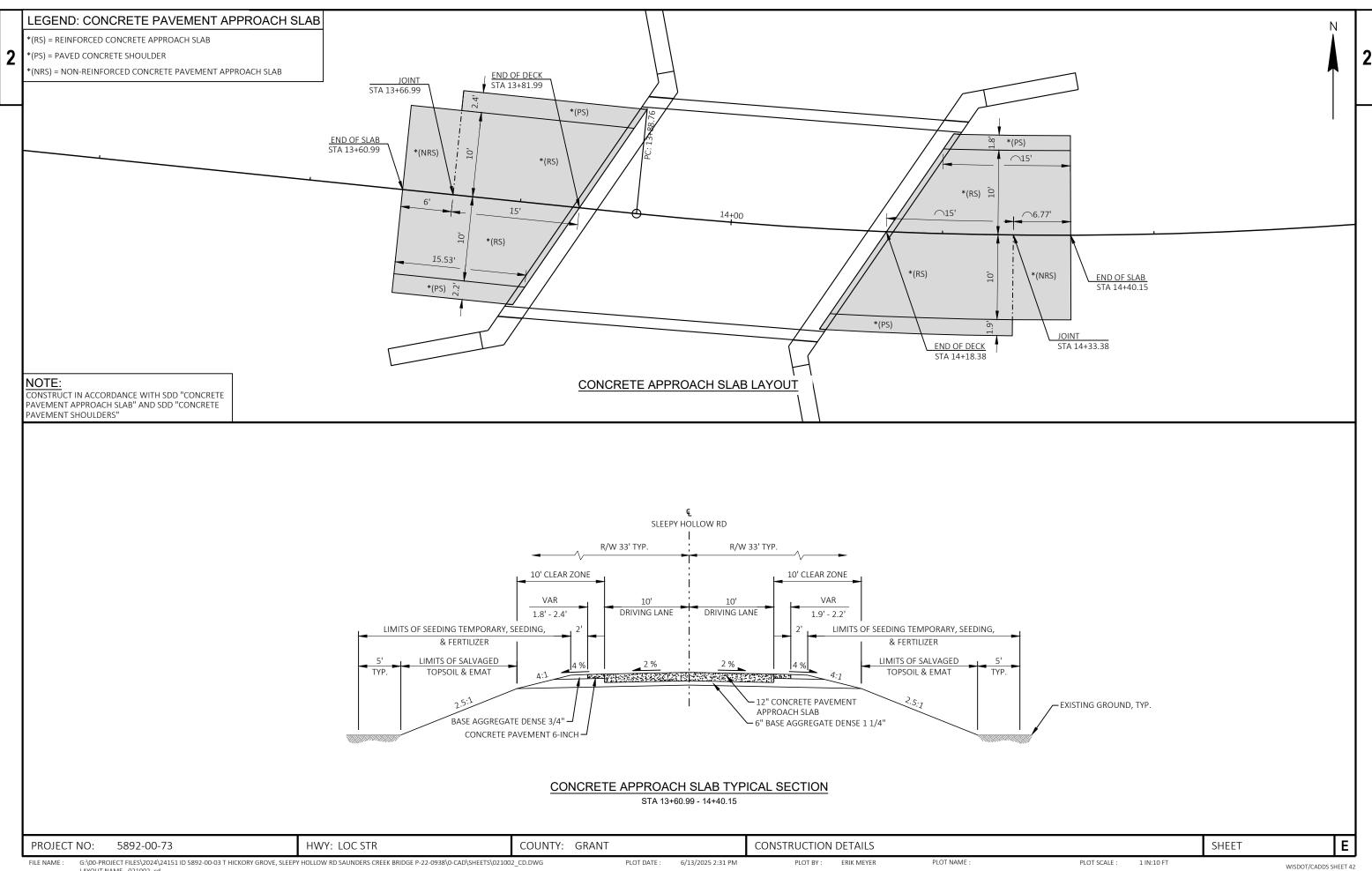


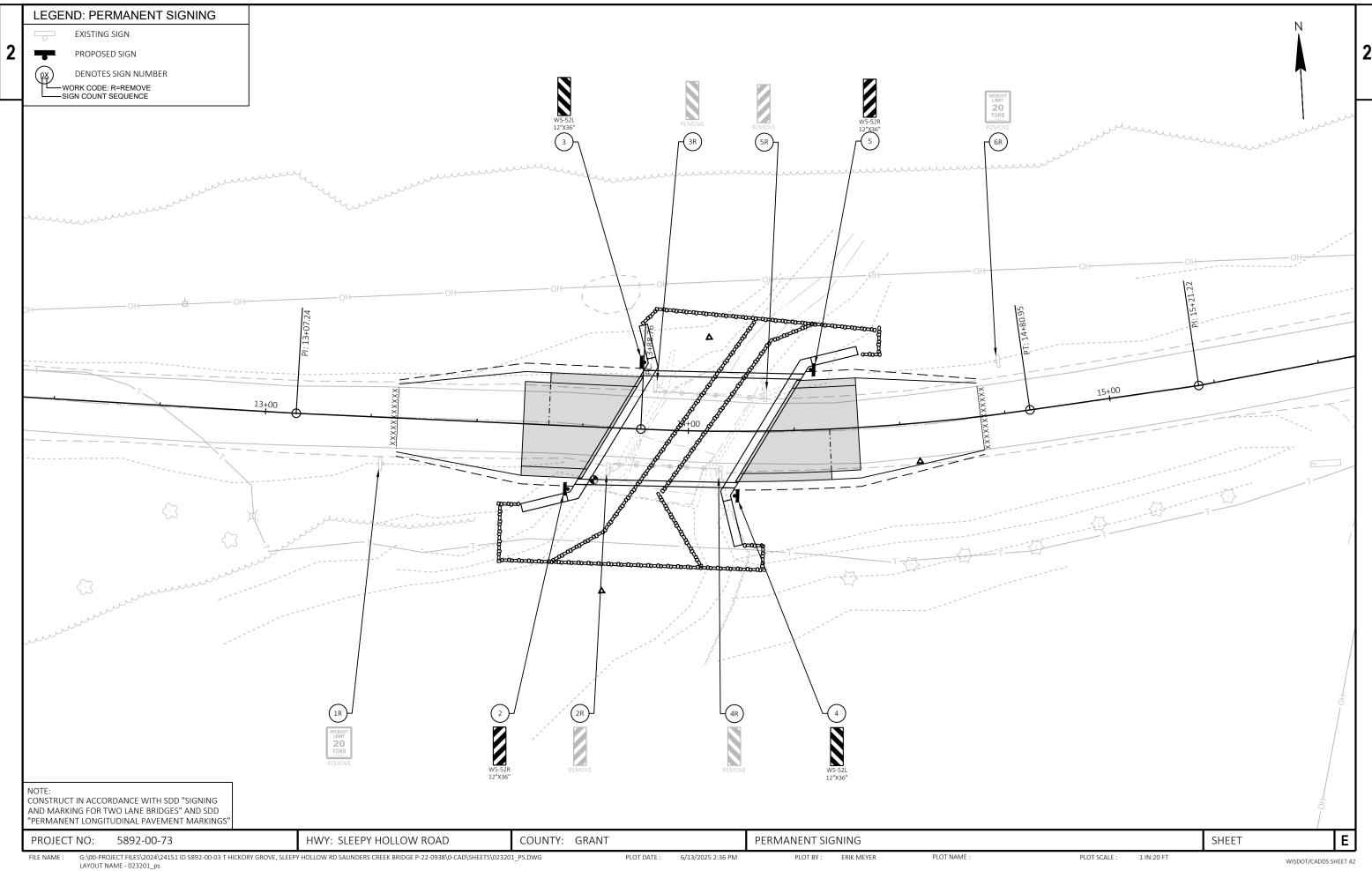


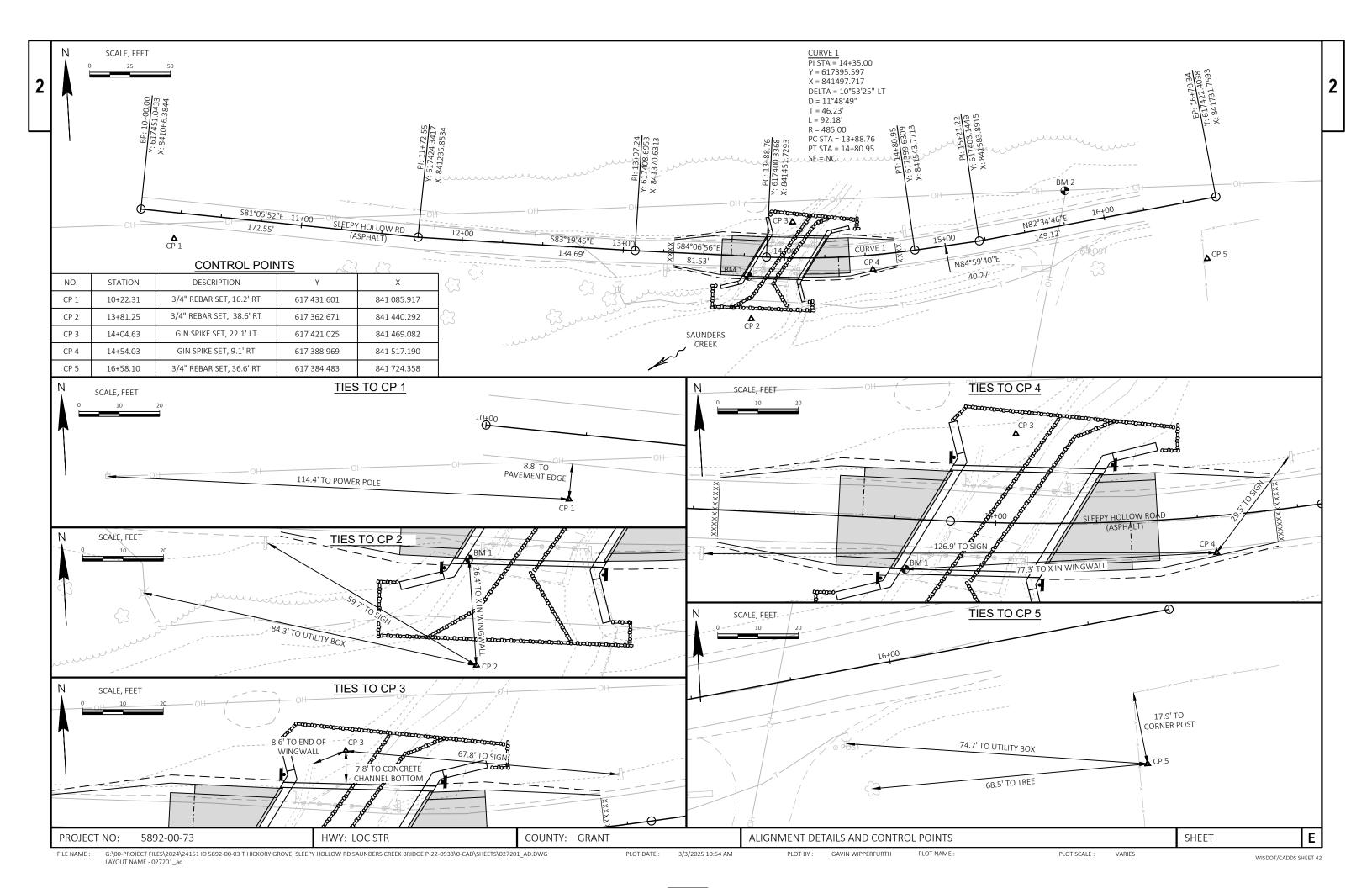
FINISHED TYPICAL SECTION

STA 13+31.23 - 13+60.99 STA 14+40.15 - 14+69.17









3

					5892-00-73
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	203.0220	Removing Structure (structure) 01. P-22-938	EACH	1.000	1.000
8000	205.0100	Excavation Common	CY	128.000	128.000
0010	206.1001	Excavation for Structures Bridges (structure) 01. B-22-315	EACH	1.000	1.000
0012	210.1500	Backfill Structure Type A	TON	900.000	900.000
0014	213.0100	Finishing Roadway (project) 01. 5892-00-73	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	16.000	16.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	123.000	123.000
0020	311.0110	Breaker Run	TON	68.000	68.000
0022	415.0060	Concrete Pavement 6-Inch	SY	17.000	17.000
0024	415.0410	Concrete Pavement Approach Slab	SY	96.000	96.000
0026	455.0605	Tack Coat	GAL	8.000	8.000
0028	465.0105	Asphaltic Surface	TON	31.000	31.000
0020	E00.0400	Consusta Massam, Dridges	CV	100.000	400.000

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0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	203.0220	Removing Structure (structure) 01. P-22-938	EACH	1.000	1.000
8000	205.0100	Excavation Common	CY	128.000	128.000
0010	206.1001	Excavation for Structures Bridges (structure) 01. B-22-315	EACH	1.000	1.000
0012	210.1500	Backfill Structure Type A	TON	900.000	900.000
0014	213.0100	Finishing Roadway (project) 01. 5892-00-73	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	16.000	16.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	123.000	123.000
0020	311.0110	Breaker Run	TON	68.000	68.000
0022	415.0060	Concrete Pavement 6-Inch	SY	17.000	17.000
0024	415.0410	Concrete Pavement Approach Slab	SY	96.000	96.000
0026	455.0605	Tack Coat	GAL	8.000	8.000
0028	465.0105	Asphaltic Surface	TON	31.000	31.000
0030	502.0100	Concrete Masonry Bridges	CY	188.000	188.000
0032	502.3200	Protective Surface Treatment	SY	195.000	195.000
0034	505.0400	Bar Steel Reinforcement HS Structures	LB	6,440.000	6,440.000
0036	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	17,700.000	17,700.000
0038	513.4061	Railing Tubular Type M	LF	81.000	81.000
0040	516.0500	Rubberized Membrane Waterproofing	SY	14.000	14.000
0042	550.0020	Pre-Boring Rock or Consolidated Materials	LF	70.000	70.000
0044	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	315.000	315.000
0046	606.0300	Riprap Heavy	CY	185.000	185.000
0048	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	160.000	160.000
0050	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5892-00-73	EACH	1.000	1.000
0052	619.1000	Mobilization	EACH	1.000	1.000
0054	624.0100	Water	MGAL	2.200	2.200
0056	625.0500	Salvaged Topsoil	SY	170.000	170.000
0058	628.1504	Silt Fence	LF	90.000	90.000
0060	628.1520	Silt Fence Maintenance	LF	144.000	144.000
0062	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0066	628.2008	Erosion Mat Urban Class I Type B	SY	170.000	170.000
0068	628.7504	Temporary Ditch Checks	LF	24.000	24.000
0070	629.0210	Fertilizer Type B	CWT	0.500	0.500
0072	630.0130	Seeding Mixture No. 30	LB	20.000	20.000
0074	630.0200	Seeding Temporary	LB	15.000	15.000
0076	630.0500	Seed Water	MGAL	8.000	8.000
0078	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
0080	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0082	638.2602	Removing Signs Type II	EACH	6.000	6.000
0084	638.3000	Removing Small Sign Supports	EACH	6.000	6.000
0086	642.5001	Field Office Type B	EACH	1.000	1.000
0088	643.0420	Traffic Control Barricades Type III	DAY	1,752.000	1,752.000
0090	643.0705	**	DAY		
		Traffic Control Warning Lights Type A Traffic Control Signs	DAY	3,504.000	3,504.000
0092	643.0900	•		1,460.000	1,460.000
0094	643.5000	Traffic Control	EACH SY	1.000	1.000
0096	645.0111	Geotextile Type DF Schedule A		68.000	68.000
0098	645.0120	Geotextile Type HR	SY	337.000	337.000

Page

Estimate Of Quantities

5892-00-73

Line	Item	Item Description	Unit	Total	Qty
0100	650.4500	Construction Staking Subgrade	LF	100.000	100.000
0102	650.5000	Construction Staking Base	LF	100.000	100.000
0104	650.6501	Construction Staking Structure Layout (structure) 01. B-22-315	EACH	1.000	1.000
0106	650.7000	Construction Staking Concrete Pavement	LF	43.000	43.000
0108	650.9911	Construction Staking Supplemental Control (project) 01. 5892-00-73	EACH	1.000	1.000
0110	650.9920	Construction Staking Slope Stakes	LF	100.000	100.000
0112	690.0150	Sawing Asphalt	LF	30.000	30.000
0114	715.0502	Incentive Strength Concrete Structures	DOL	1,128.000	1,128.000
0116	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0118	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 14+00	EACH	1.000	1.000
0120	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0122	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0124	SPV.0060	Special 01. Stream Restoration Structure B-22-315	EACH	1.000	1.000

205.0100 EXCAVATION COMMON COMMON CY (1) SALVAGED/UNUSABLE AVAILABLE MATERIAL UNEXPANDED FACTOR FACTOR CY (5) FACTOR CY (7) CY (1) CY (2) CY (3) CY (4) CY 1.25 CY (6) CY (7) WEST APPROACH 13+31.23/13+81.27 66 0 66 2 3 64 64 64 64 CY CY CY CY CY CY CY C	7)	CONCRETE PAVEMENT 415.0060 415.0410 CONCRETE CONCRETE PAVEMENT PAVEMENT APPROACH 6-INCH SLAB STATION TO STATION LOCATION SY SY 13+60.99 - 13+81.99 WEST APPROACH 9 47 14+18.38 - 14+40.15 EAST APPROACH 8 49 TOTAL 17 96
EAST APPROACH 14+19.17/14+69.17 62 0 62 8 10 52 52 TOTAL 128 0 128 10 13 116 116 NOTES: (1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100 (2) SALVAGED/UNUSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT. (3) SALVAGED/UNUSABLE PAVEMENT MATERIAL INCLUDES EXISTING ASPHALT OVERLAY. (4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL (5) EXPANDED FILL FACTOR = 1.25 (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. (7) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONL	BASE AGGREGATE DENSE 305.0110 305.0120 311.0110 624.0100 BASE BASE AGGREGATE AGGREGATE DENSE DENSE DENSE DENSE 3/4-INCH 1 1/4-INCH BREAKER RUN WATER STATION TO STATION LOCATION TON TON TON MGAL	ASPHALTIC SURFACE 455.0605 465.0105 ASPHALTIC TACK COAT SURFACE STATION TO STATION LOCATION GAL TON 13+31.23 - 13+60.99 WEST APPROACH 4 16 14+40.15 - 14+69.17 EAST APPROACH 4 15 TOTAL 8 31
	SILT FENCE	.1910 628.7504 ZATIONS TEMPORARY

3

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE PERMANENT SIGNING TRAFFIC CONTROL 634.0612 637.2230 638.2602 638.3000 POSTS 643.0420 643.0705 643.0900 643.5000 WOOD SIGNS REMOVING REMOVING TRAFFIC 4X6-INCH TYPE II SMALL SIGN TRAFFIC SIGNS CONTROL CONTROL X 12-FT REFLECTIVE F TYPE II **SUPPORTS** WARNING LIGHTS TRAFFIC TRAFFIC BARRICADES STATION LOCATION SIGN NUMBER SIGN CODE EACH EACH EACH REMARKS DURATION TYPE III TYPE A CONTROL SIGNS CONTROL LOCATION DAY DAY NO. DAY EACH 13+28 WEST APPROACH, RT WEIGHT LIMIT 20 TONS R12-1 WEST APPROACH, RT 13+72 2 W5-52R 1 BRIDGE HASH MARKS WEST APPROACH 18 1,314 13+82 WEST APPROACH, RT 2R BRIDGE HASH MARKS W5-52R EAST APPROACH 73 657 18 1,314 584 8 ---13+89 WEST APPROACH, LT W5-52L BRIDGE HASH MARKS 3 1 UNDISTRIBUTED 73 438 12 876 292 4 WEST APPROACH, LT 13+93 W5-52L BRIDGE HASH MARKS PROJECT EAST APPROACH, RT 14+07 4R W5-52L BRIDGE HASH MARKS 24 1,752 48 3,504 20 EAST APPROACH, RT W5-52L BRIDGE HASH MARKS 14+11 1 EAST APPROACH, LT 14+18 5R W5-52R BRIDGE HASH MARKS PLACE TRAFFIC CONTROL IN ACCORDANCE WITH SDD 15C2 "BARRICADES AND SIGNS FOR MAINLINE, EAST APPROACH, LT 14+29 5 W5-52R 1 BRIDGE HASH MARKS DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTION". 14+74 EAST APPROACH, LT R12-1 WEIGHT LIMIT 20 TONS PLACEMENT SUBJECT TO ENGINEER APPROVAL. TOTAL CONSTRUCTION STAKING 650.6501.01 650.4500 650.5000 650.7000 650.9911.01 650.9920 CONSTRUCTION CONSTRUCTION SAWING ASPHALT STAKING STAKING STRUCTURE CONSTRUCTION SUPPLEMENTAL CONSTRUCTION CONSTRUCTION LAYOUT STAKING CONTROL CONSTRUCTION 690.0150 STAKING STAKING (STRUCTURE) CONCRETE (PROJECT) STAKING STATION LOCATION 1 F SUBGRADE BASE 01. B-22-0315 PAVEMENT 01. 5892-00-73 SLOPE STAKES STATION TO STATION LOCATION FACH LF EACH WEST APPROACH 15 13+31 14+69 EAST APPROACH 15 13+31.23 - 13+81.23 EAST APPROACH 50 50 50 14+19.17 - 14+69.17 WEST APPROACH TOTAL 30 50 50 50 13+60.99 - 13+81.99 EAST APPROACH 21 14+18.38 - 14+40.15 WEST APPROACH 22 PROJECT TOTAL 100 100 43 100 * CATEGORY 0020

G:\00-PROJECT FILES\2024\24151 ID 5892-00-03 T HICKORY GROVE, SLEEPY HOLLOW RD SAUNDERS CREEK BRIDGE P-22-0938\0-CAD\SHEETS\030201 MQ.DWG FILE NAME :

HWY: LOC STR

PLOT DATE :

COUNTY: GRANT

MISCELLANEOUS QUANTITIES PLOT BY:

PLOT NAME :

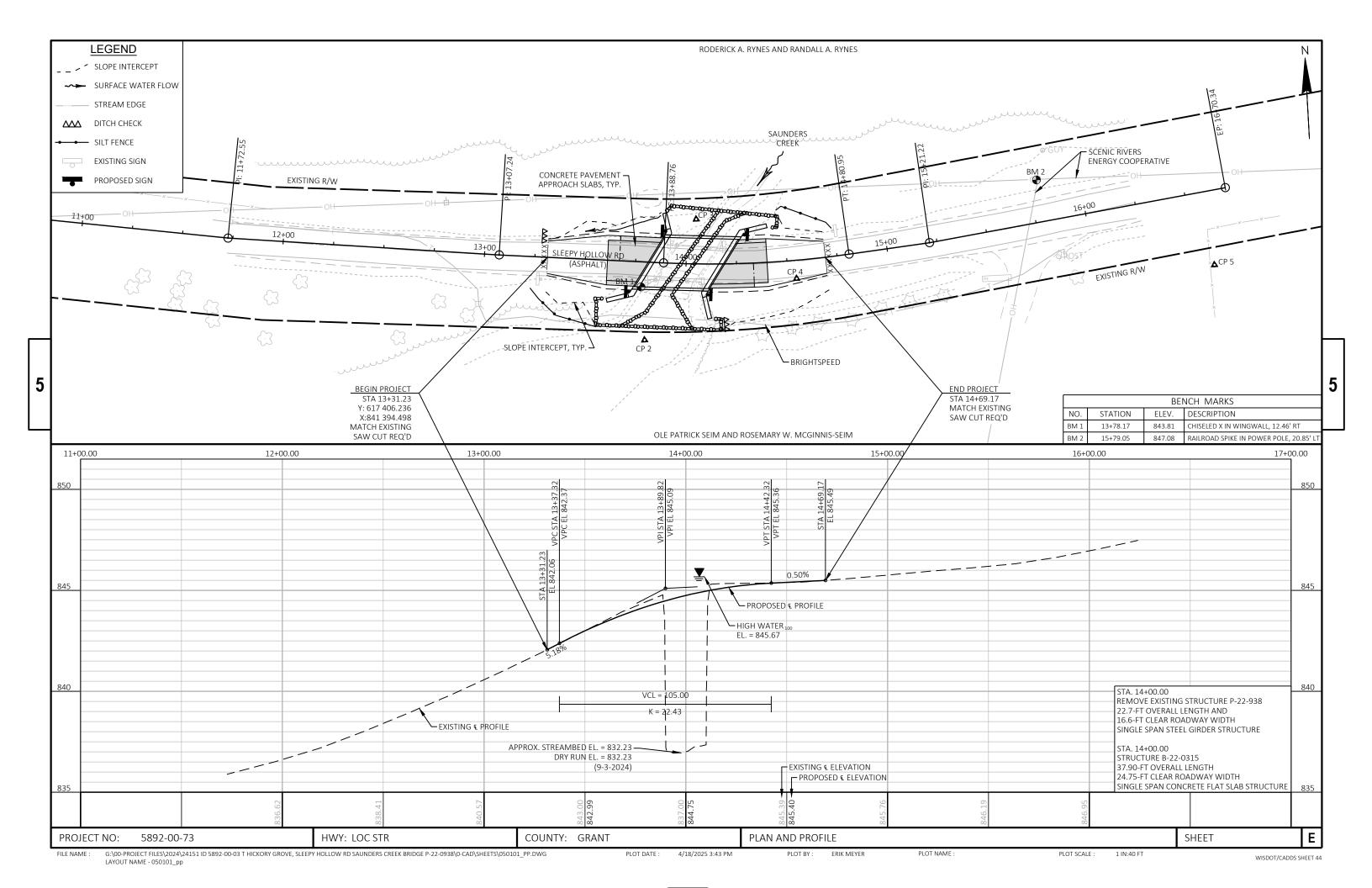
PLOT SCALE : 1" = 1'

SHEET

Ε

PROJECT NO:

5892-00-73



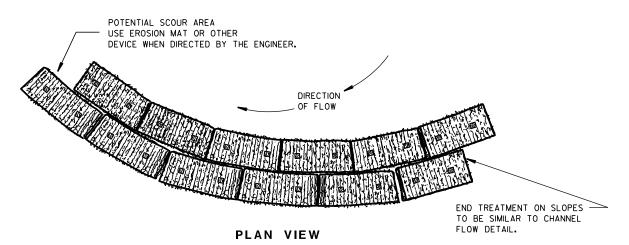
Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

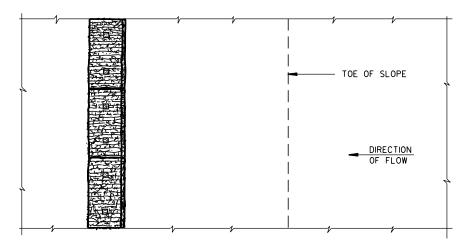
GENERAL NOTES

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.

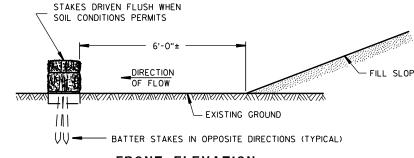
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



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

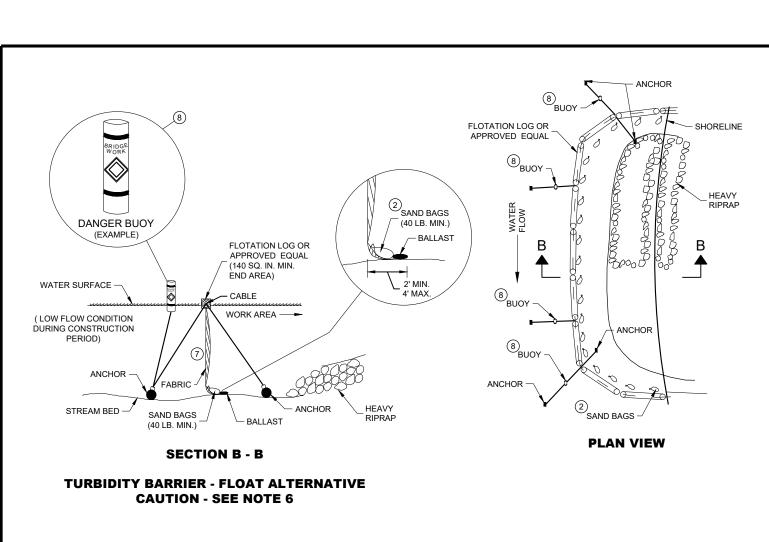
(WHEN REQUIRED BY THE ENGINEER)

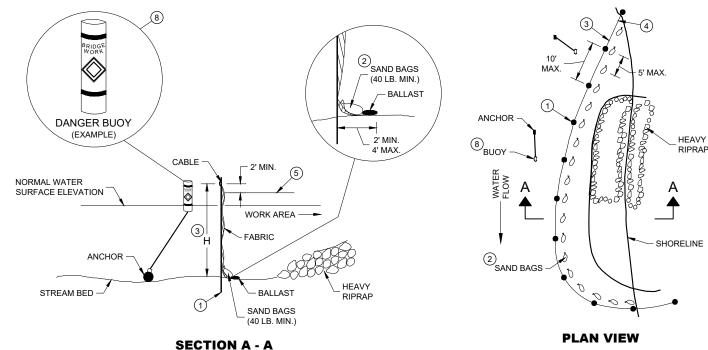


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D.D. 8 E 9-6





TURBIDITY BARRIER - STANDARD POST INSTALLATION

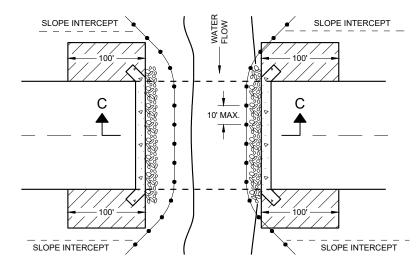
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

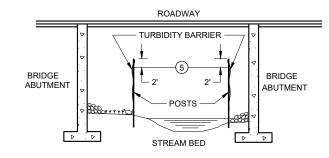
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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) SAND BAGS 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 FEET, 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. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK 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.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

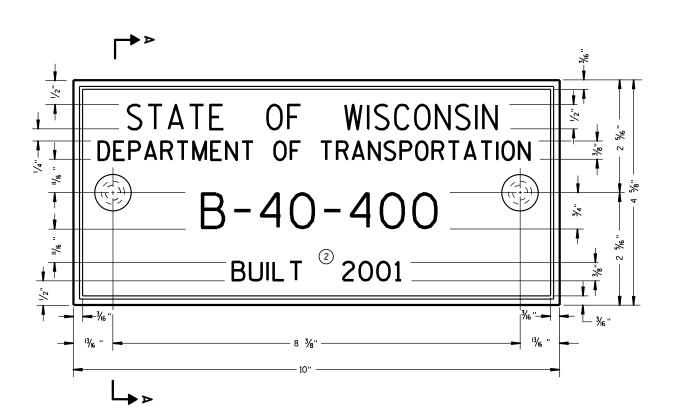
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6/4/02 /S/ Beth Cannestra

DATE CHIEF ROADWAY DEVELOPMENT
ENGINEER

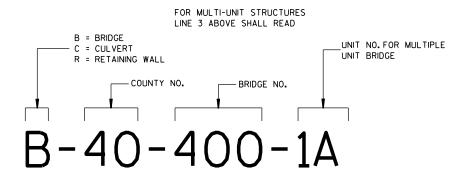
APPROVED





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



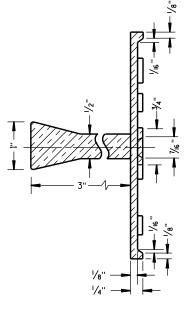
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

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.

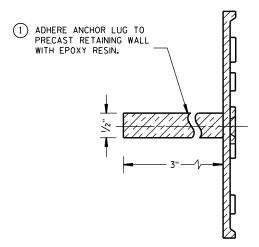
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

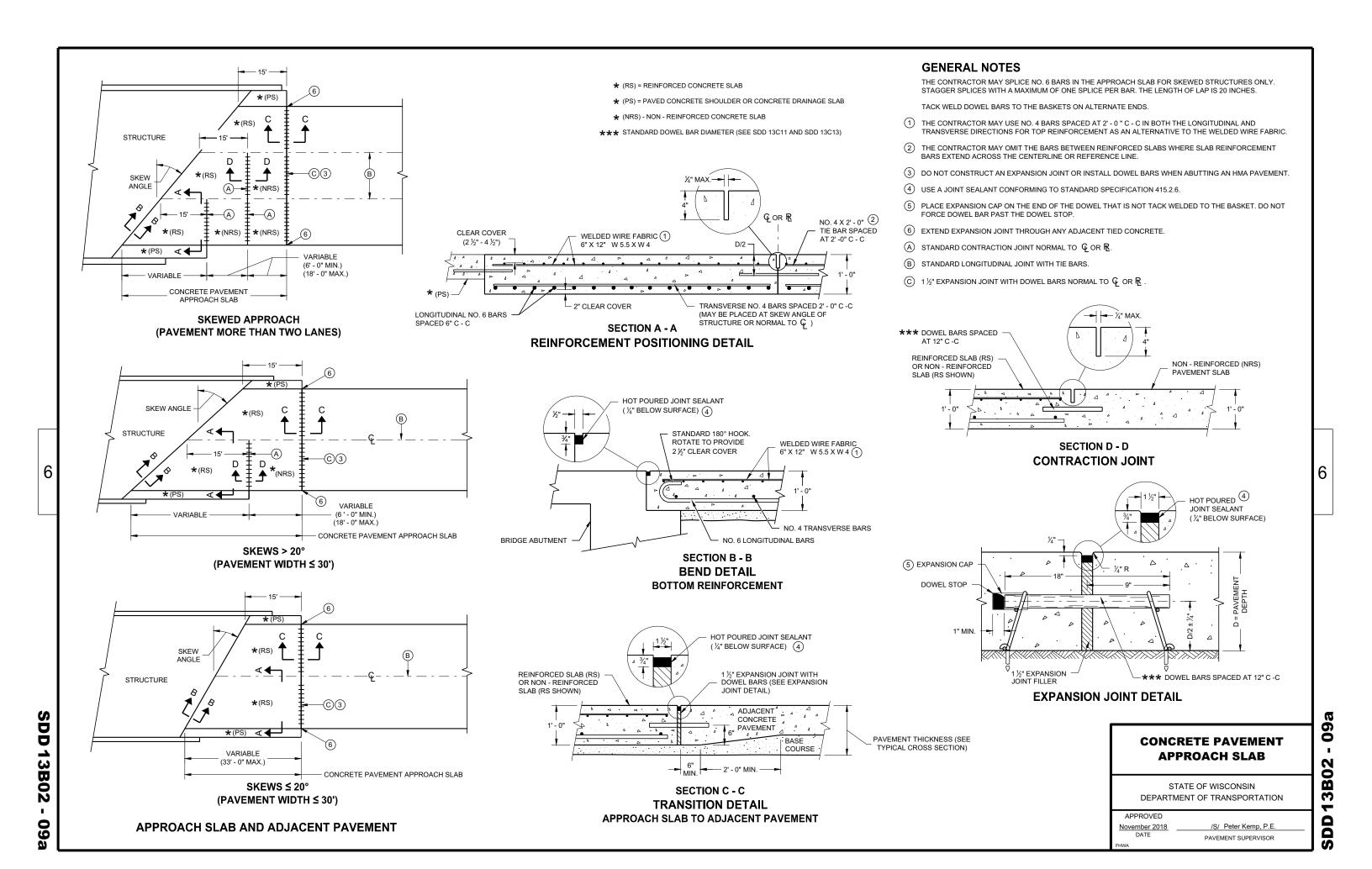
APPROVED

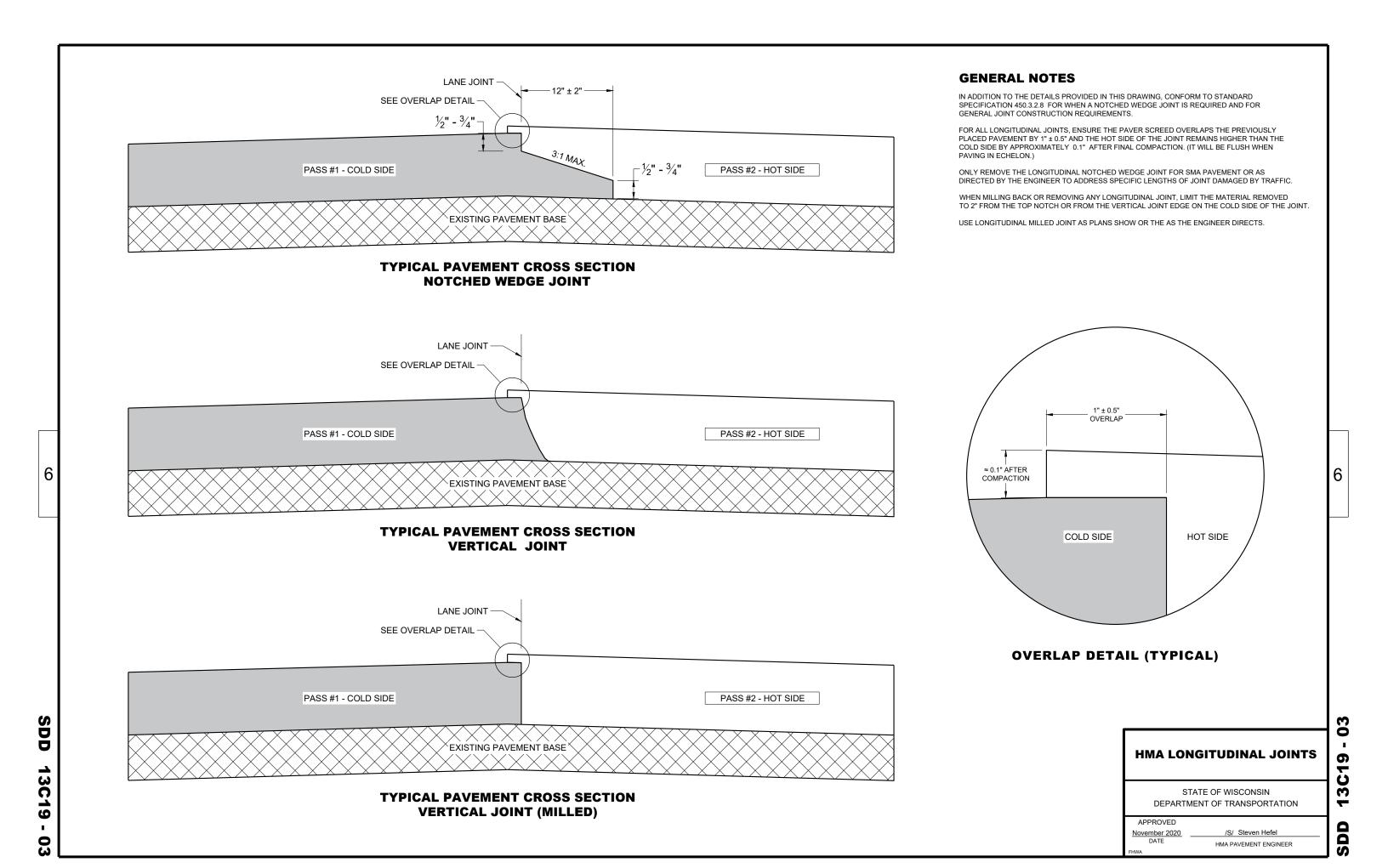
3/26/IO /S/ Scot Becker

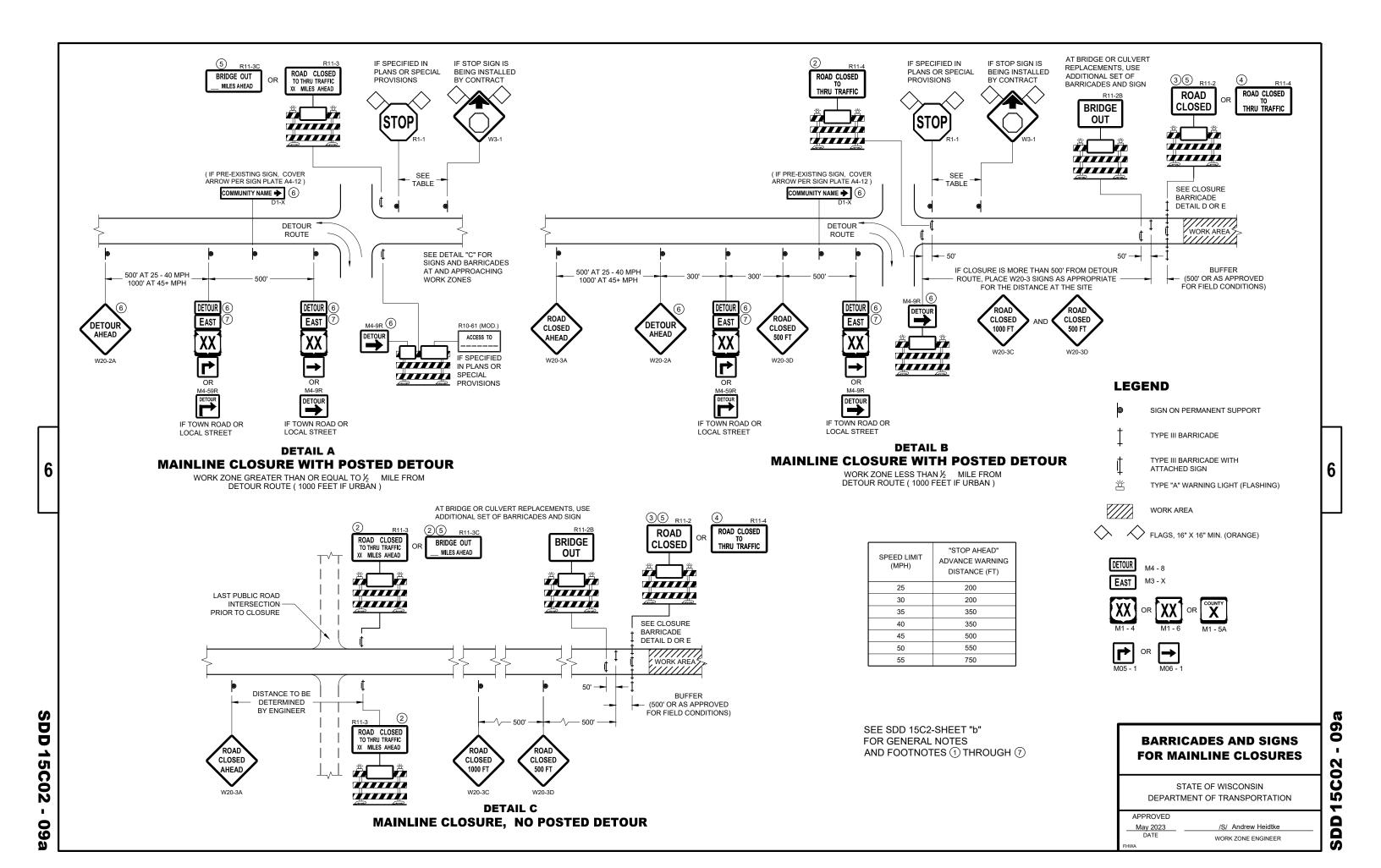
DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

.D.D. 12 A

3-10







TWO- WAY

TYPE "A" WARNING

LIGHTS REQUIRED

12" MAX. →

TWO-WAY TYPE "A" WARNING LIGHTS REQUIRED ROAD CLOSED TO THRU TRAFFIC ROAD CLOSED TO THRU TRAFFIC ROAD CLOSED TO THRU TRAFFIC

BRIDGE

OUT

ROAD

CLOSED

RAMP

CLOSED

DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

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

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED May 2023

May 2023 /S/ Andrew Heidtke

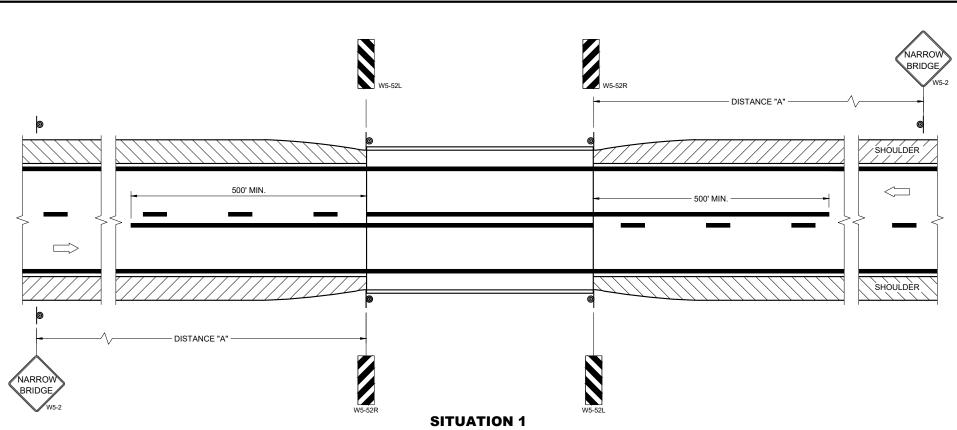
DATE WORK ZONE ENGINEER

015C02 -

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SDD 15C06-12



WARRANTING CRITERIA: BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

W5-52L W5-52L W5-52L W5-52L W5-52L

SITUATION 2

SDD

15C06-12

WARRANTING CRITERIA: 1. BRIDGE WIDTH IS AT LEAST 24 FEET <u>AND</u> 2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET

GENERAL NOTES

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

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

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

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

1) OMIT ON ONE-WAY TRAVELED WAYS.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

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

SIGNING AND MARKING FOR TWO LANE BRIDGES

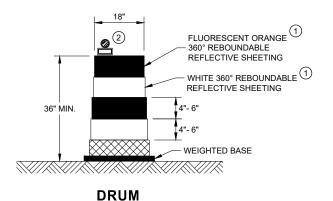
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2023	/S/ Jeannie Silver
DATE	Statewide Pavement Marking Engineer

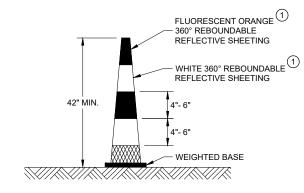
SDD 15C11

GENERAL NOTES

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

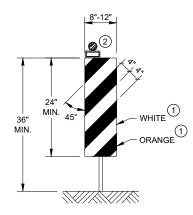


BALLAST WIDTHS RANGE FROM 24"-36"



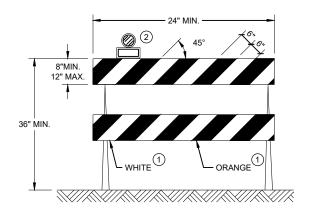
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



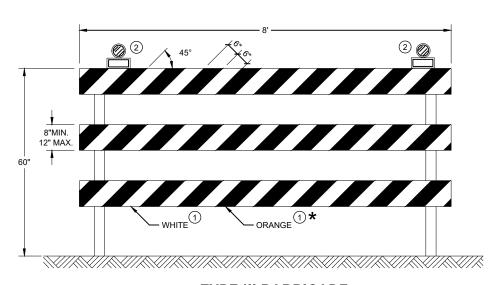
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

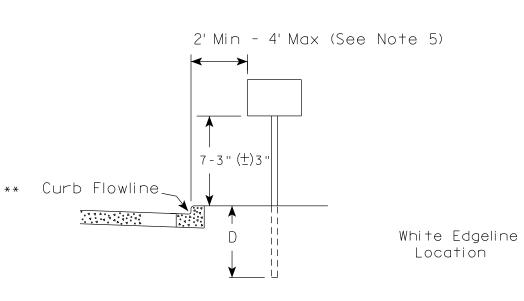
* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

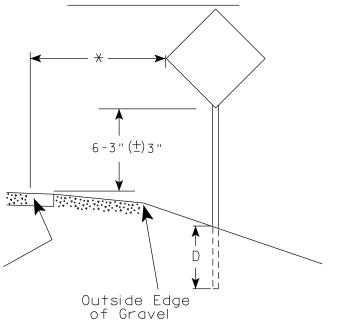
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 50

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	





RURAL AREA (See Note 2)



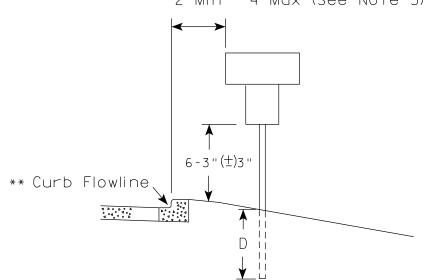
GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 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" (\pm) 3".

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) 3" or 6'-3" (\pm) 3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{-}$) 3''.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

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

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.

* 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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. _A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

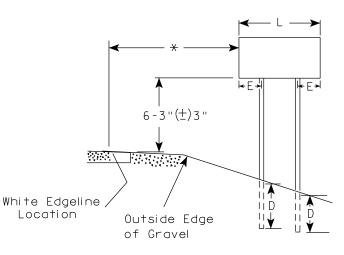
PLOT NAME :

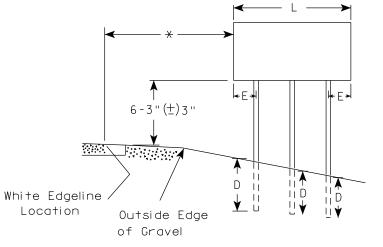
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

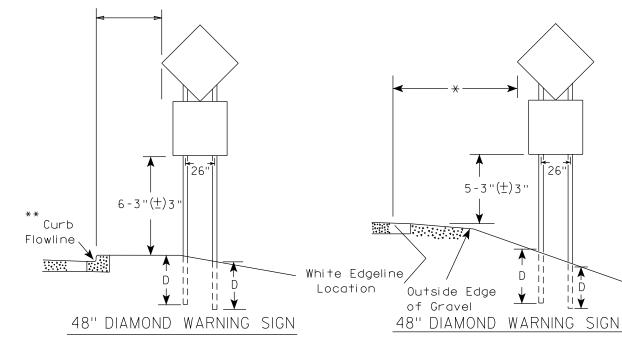
APPROVED

WISDOT/CADDS SHEET 42





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



	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)	
	L	E
* * *	Greater than 48" Less than 60"	12''
	60" to 108"	L/5

HWY:

SIGN SHAPE OTHER THAN	DIAMOND				
(THREE POSTS REQUIRED)					
L	Е				
Greater than 108" to 144"	12''				

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CUEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

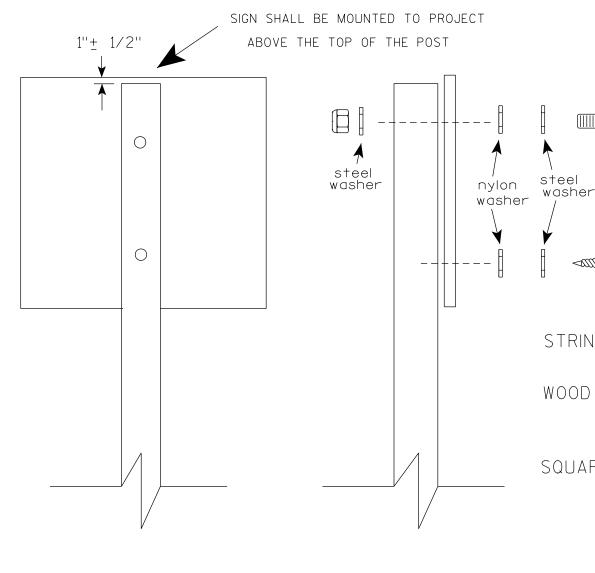
COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

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

RIVETS - 1/32 " (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 $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

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

ATTACHMENT OF SIGNS TO POSTS

APPROVED

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

WISCONSIN DEPT OF TRANSPORTATION

Matther ≠or State Traffic Engineer

SHEET NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

31/2"

VIEW FROM TOP

GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED //

DATE 4/19/2022 PLATE NO. _A5-10.3

ATE 4/19/2022 PLATE NO. _

SHEET NO:

SIGN

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

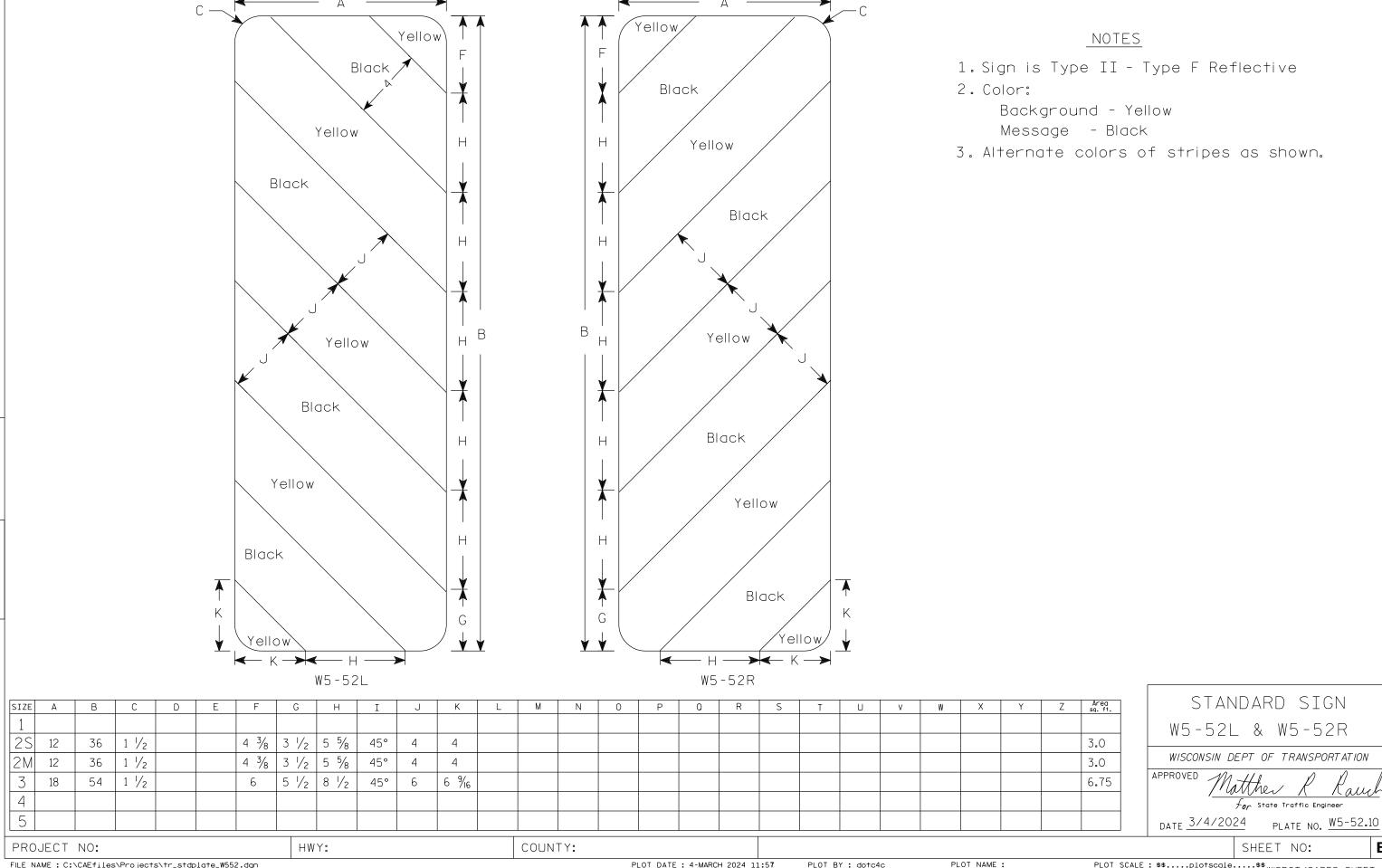
PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

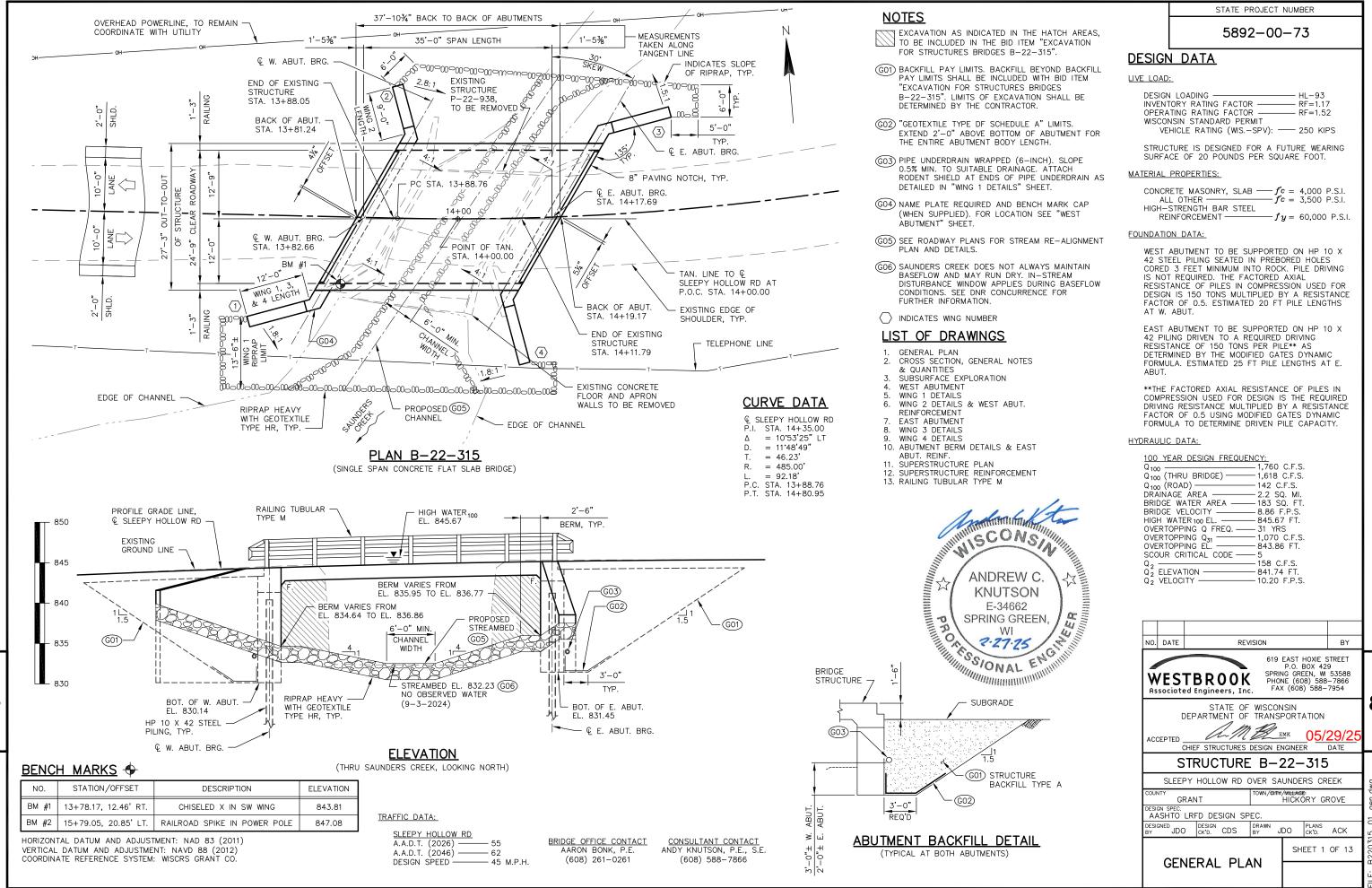


FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W552.dgn

PLOT DATE: 4-MARCH 2024 11:57

PLOT BY : dotc4c

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



5892-00-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

BEVEL EXPOSED EDGES OF CONCRETE 34" UNLESS OTHERWISE

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON THE "GENERAL PLAN" SHEET AND THE

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 WING FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCLUDED WITH "EXCAVATION FOR STRUCTURES BRIDGES B-22-315".

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.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-22-315" SHALL BE THE EXISTING GROUND LINE.

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

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

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 STRUCTURE BACKFILL TYPE A.

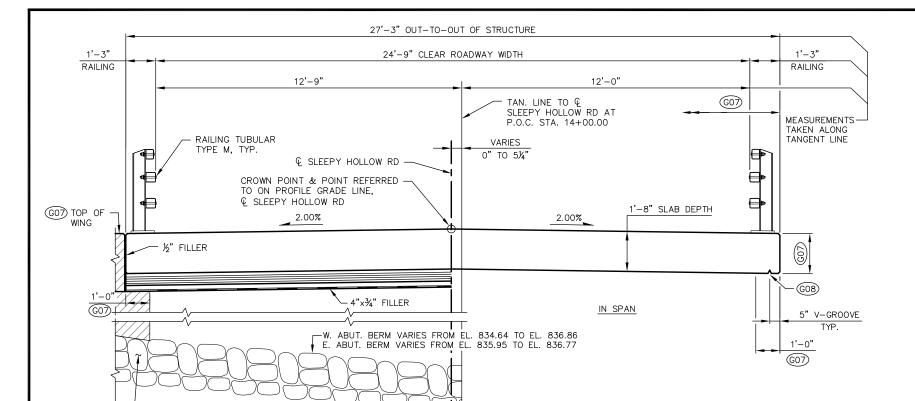
DO NOT PLACE FILL ABOVE 3'-0" FROM BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS IN PLACE.

SHALLOW BEDROCK (LESS THAN 10-FT BELOW ABUTMENT) WAS ENCOUNTERED IN THE BORING FOR THE WEST ABUTMENT. A MINIMUM OF 3 FEET OF PRE-BORE AT THE ABUTMENT INTO SUITABLE BEDROCK IS REQUIRED IF THE MINIMUM OF 10-FEET OF PILE PENETRATION INTO NATURAL GROUND CANNOT BE ACHIEVED. THE CONTRACTOR AND THE CONSTRUCTION ENGINEER SHOULD ANTICIPATE VARIABLE PILE PENETRATION.

PILES PLACED IN PREBORED HOLES CORED INTO ROCK DO NOT REQUIRE DRIVING. PILES SHALL BE "FIRMLY SEATED ON ROCK AFTER PLACEMENT IN PREBORED HOLES.

THE EXISTING CONCRETE FLOOR AND APRON WALLS UNDER THE EXISTING BRIDGE ARE TO BE REMOVED PER BID ITEM "REMOVING STRUCTURE P-22-938".

THE EXISTING STRUCTURE (P-22-938) IS A SINGLE SPAN STEEL GIRDER BRIDGE WITH A CONCRETE DECK AND WITH AN OVERALL LENGTH OF 22.7-FT AND A DECK WIDTH OF 17.5-FT AND IS TO BE REMOVED PER BID ITEM "REMOVING STRUCTURE P-22-938".



-BOT. OF W. ABUT. EL. 830.14

BOT. OF E. ABUT. EL. 831.45

CROSS SECTION THRU ROADWAY

NOTES

8

(GO7) COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATIONS. PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO ENTIRE EXPOSED TOP OF SLAB, INCLUDING THE SLAB EDGES AND 1'-0" UNDER THE SLAB, THE TOP AND EXTERIOR EXPOSED FACE OF WINGS, AND THE FRONT FACE OF THE ABUTMENTS TO 1'-0" PAST THE EDGE OF SLAB. ALSO APPLY PROTECTIVE SURFACE TREATMENT TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES.

AT ABUTMENT

(PILING NOT SHOWN FOR CLARITY)

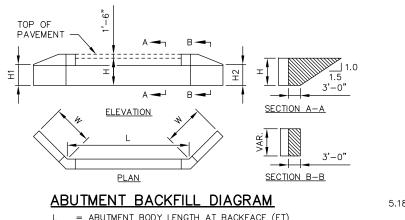
(608) 34" V-GROOVE REQ'D. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT.

TOTAL ESTIMATED QUANTITIES

RIPRAP HEAVY WITH

GEOTEXTILE TYPE HR. TYP

ITEM NO.	BID ITEMS	UNIT	W. ABUT.	E. ABUT.	SUPER.	TOTALS
203.0220	REMOVING STRUCTURE P-22-938	EACH				1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-22-315	EACH				1
210.1500	BACKFILL STRUCTURE TYPE A	TON	460	440		900
502.0100	CONCRETE MASONRY BRIDGES	CY	60.8	59.7	67.4	188
502.3200	PROTECTIVE SURFACE TREATMENT	SY	26	28	141	195
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	3270	3170		6440
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2100	2180	13420	17700
513.4061	RAILING TUBULAR TYPE M	LF			81	81
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7	7		14
550.0020	PRE-BORING ROCK OR CONSOLIDATE MATERIALS	LF	70			70
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	140	175		315
606.0300	RIPRAP HEAVY	CY	95	90		185
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	80	80		160
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	34	34		68
645.0120	GEOTEXTILE TYPE HR	SY	169	168		337
(NON-BID ITEM)	FILLER	SIZE				½" & ¾"



= ABUTMENT BODY LENGTH AT BACKFACE (FT) = AVERAGE ABUTMENT FILL HEIGHT (FT)

= WING 1 HEIGHT AT TIP (FT H2 = WING 2 HEIGHT AT TIP (FT)

W = WING LENGTH (FT)

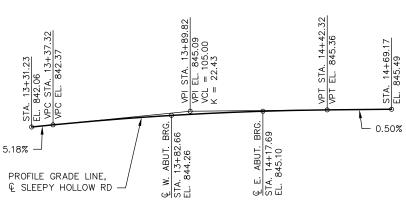
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)

PILE SPLICE DETAILS

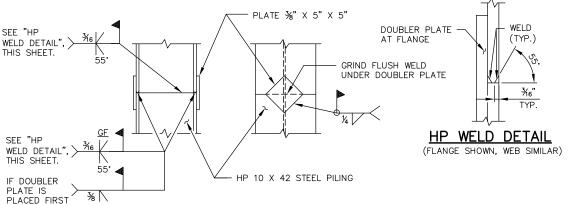
 $V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H) + (3')(0.5)(H1+H2+H+H)(W)$

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

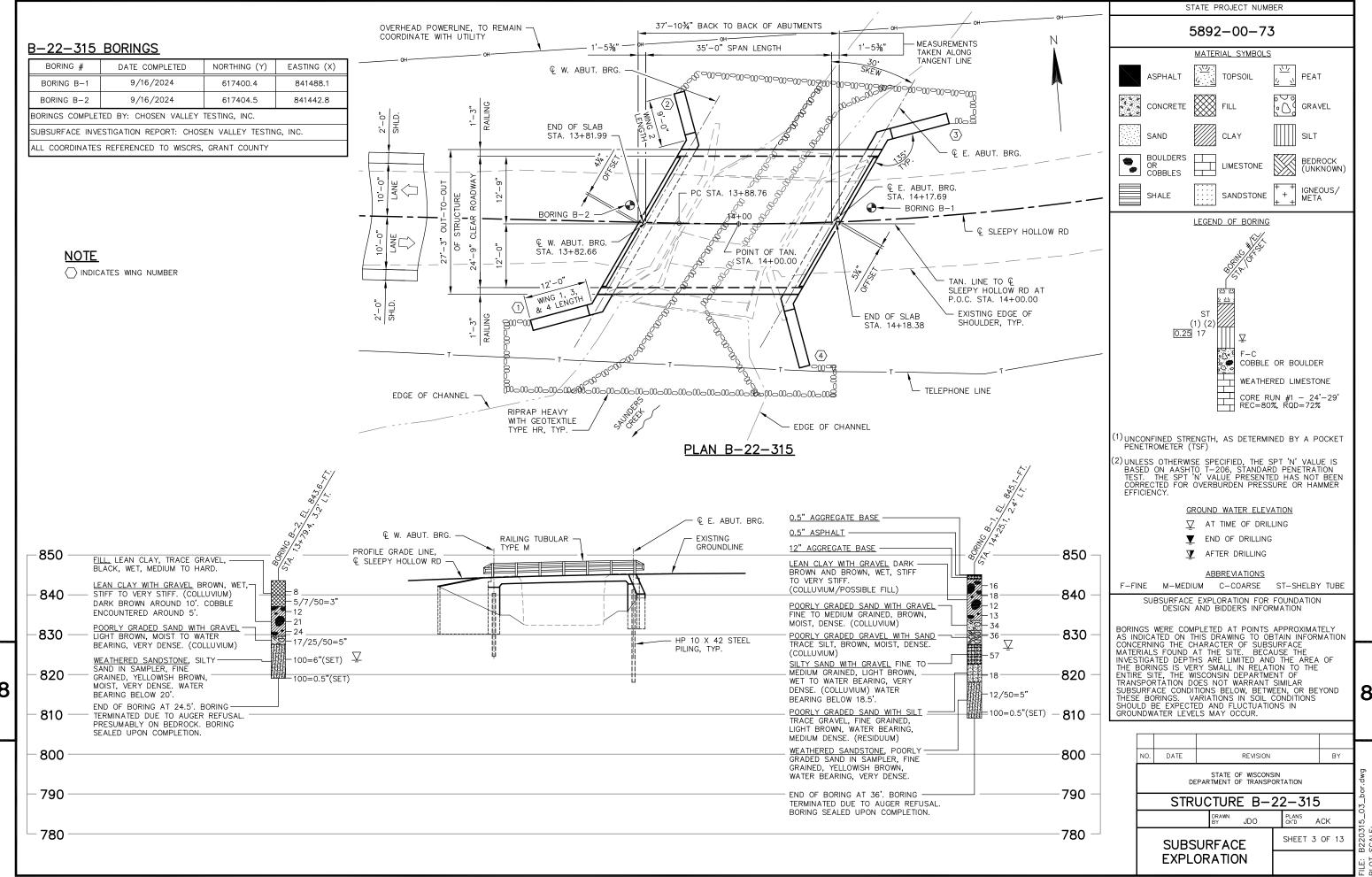
 $V_{TON} = V_{CY}(2.0)$

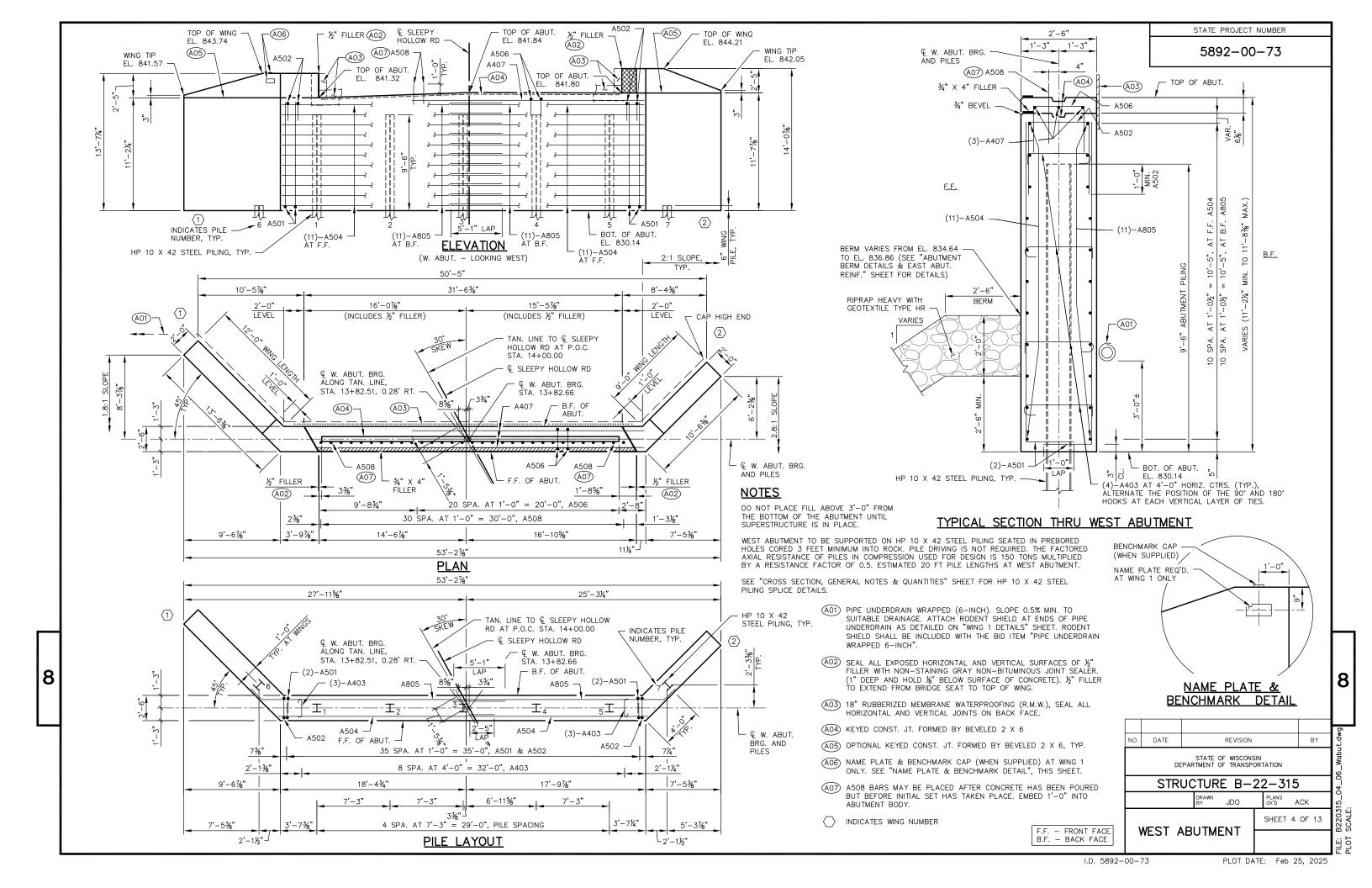


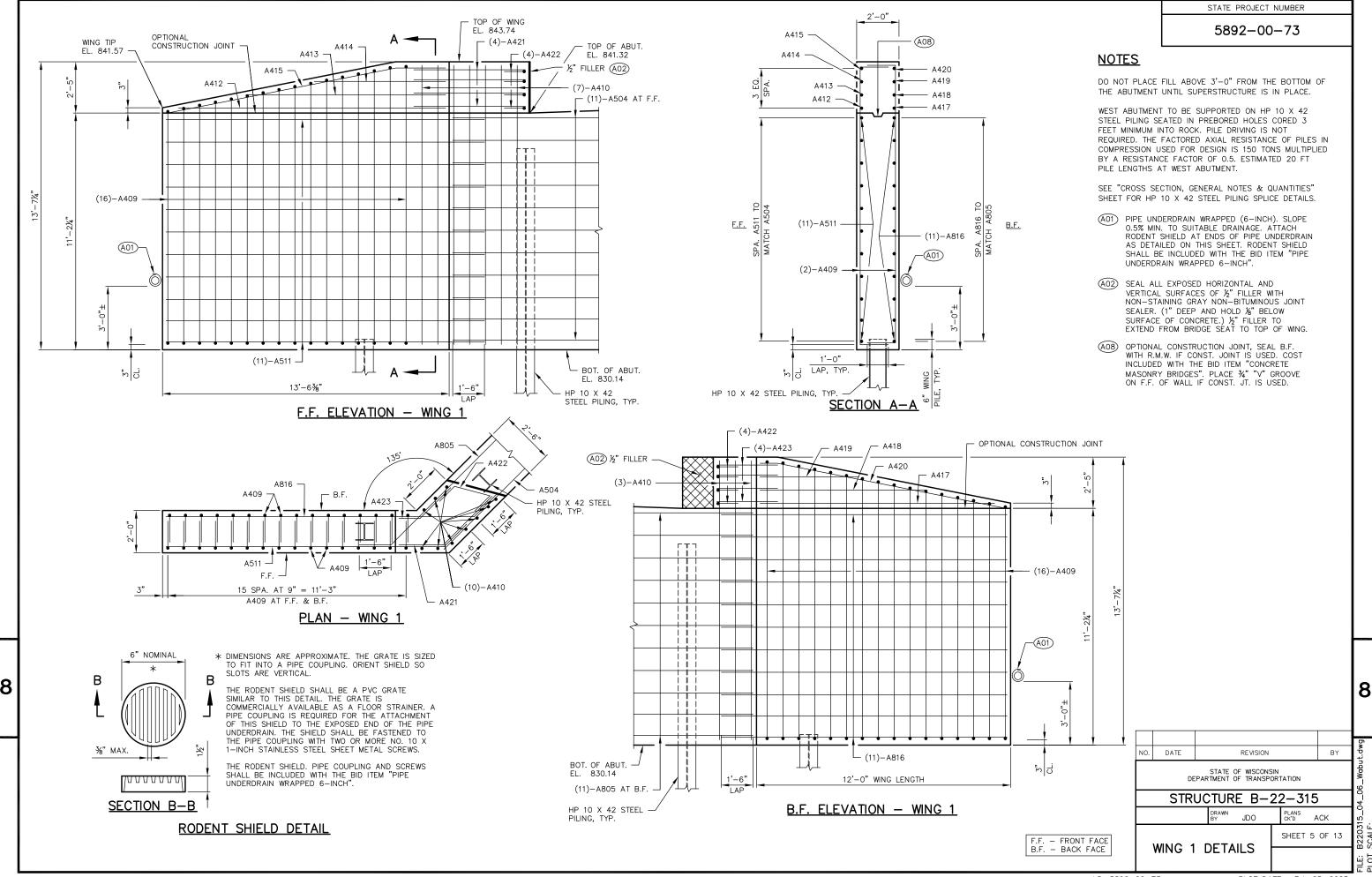
PROFILE GRADE LINE, SLEEPY HOLLOW RD

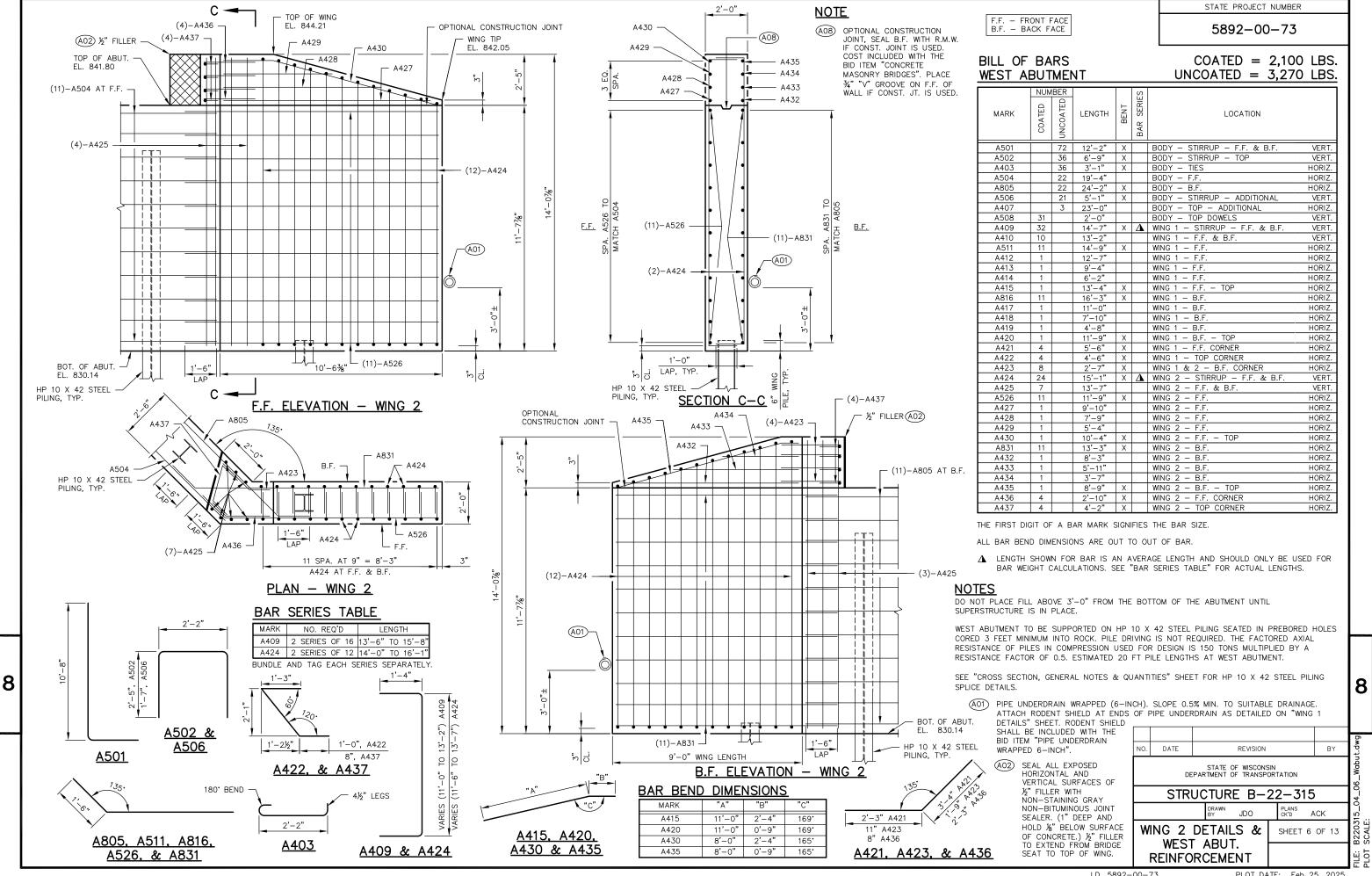


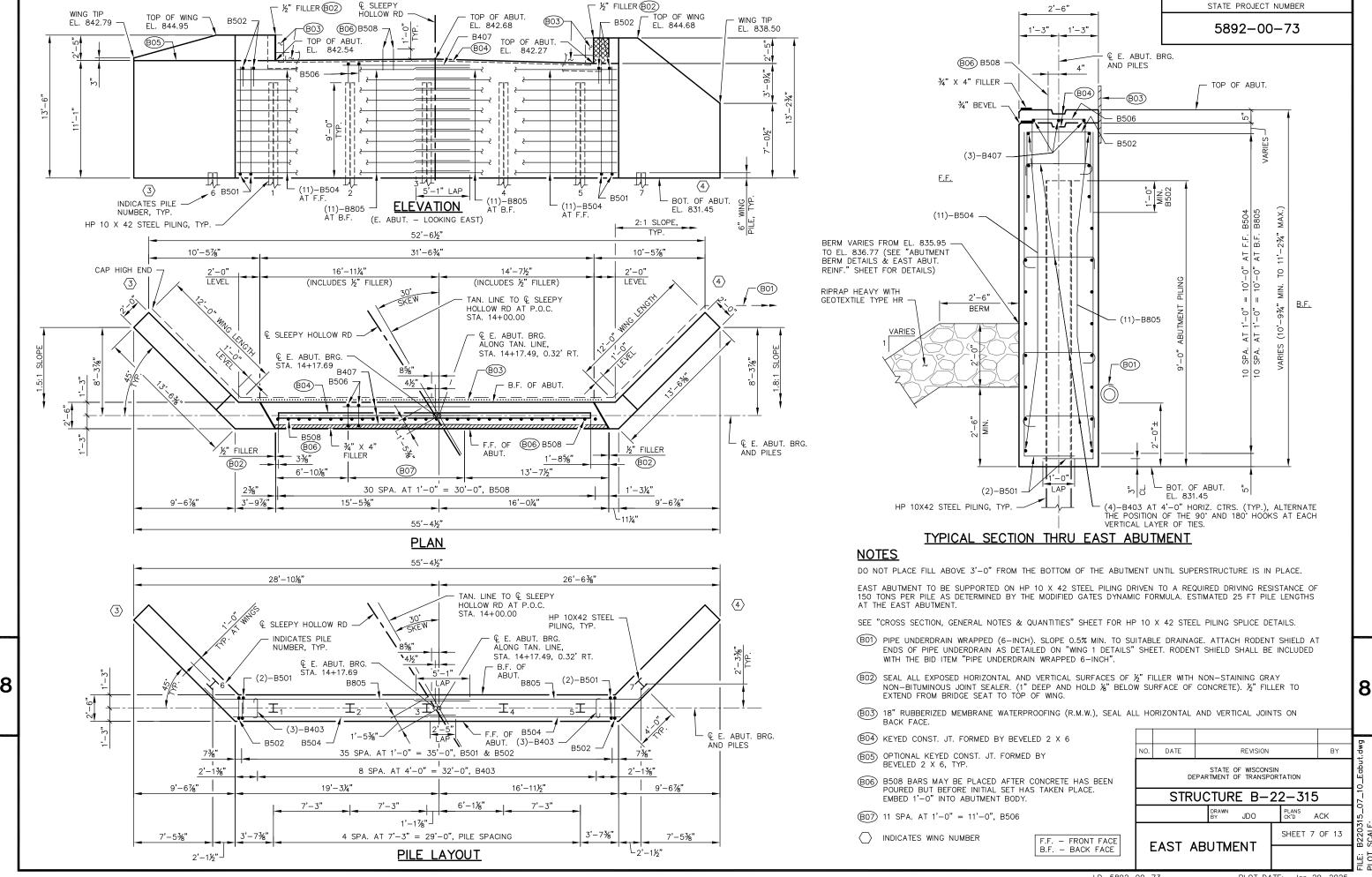
DATE BY REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-22-315 ACK CROSS SECTION, SHEET 2 OF 13 GENERAL NOTES & **QUANTITIES**

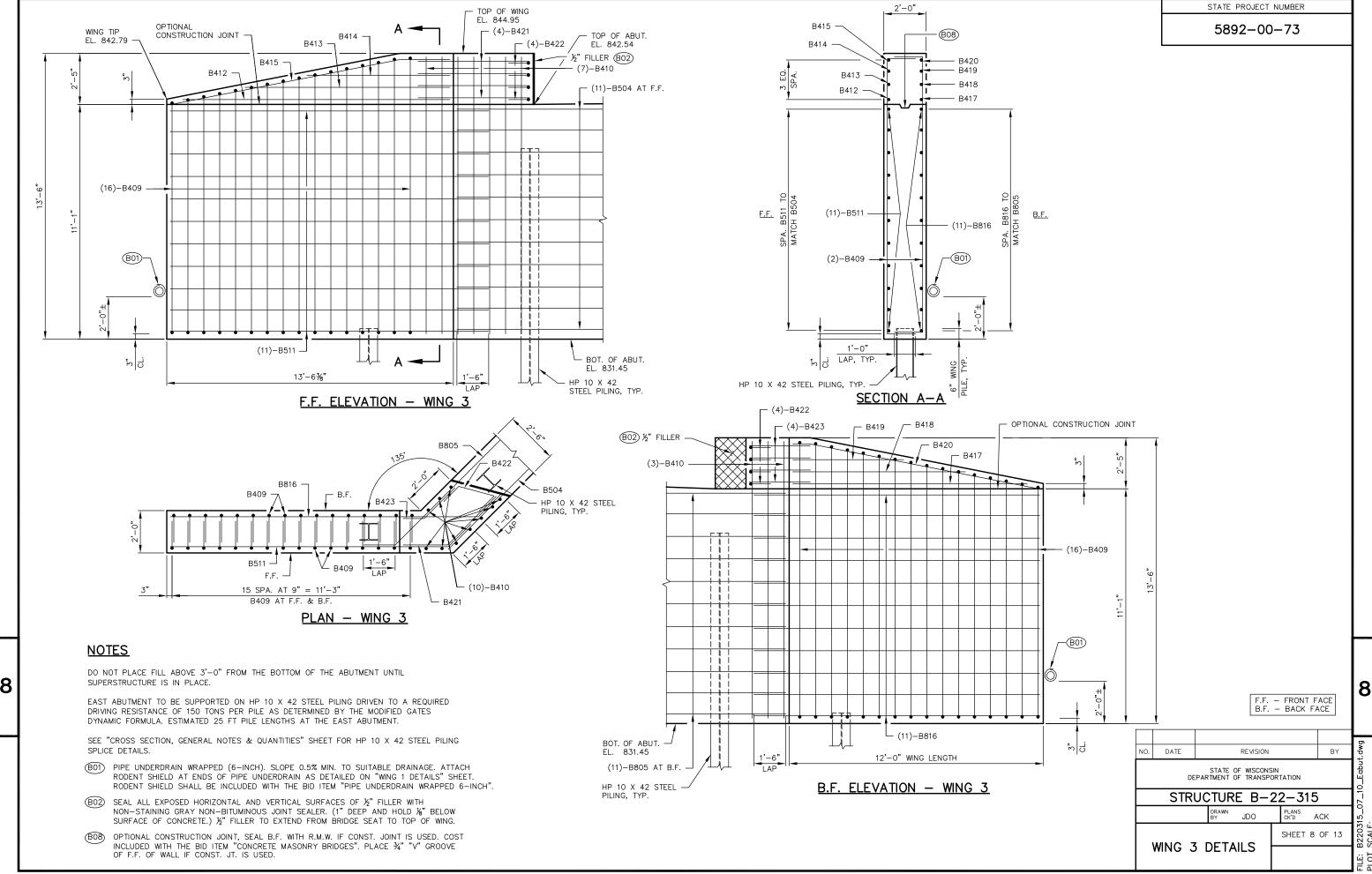


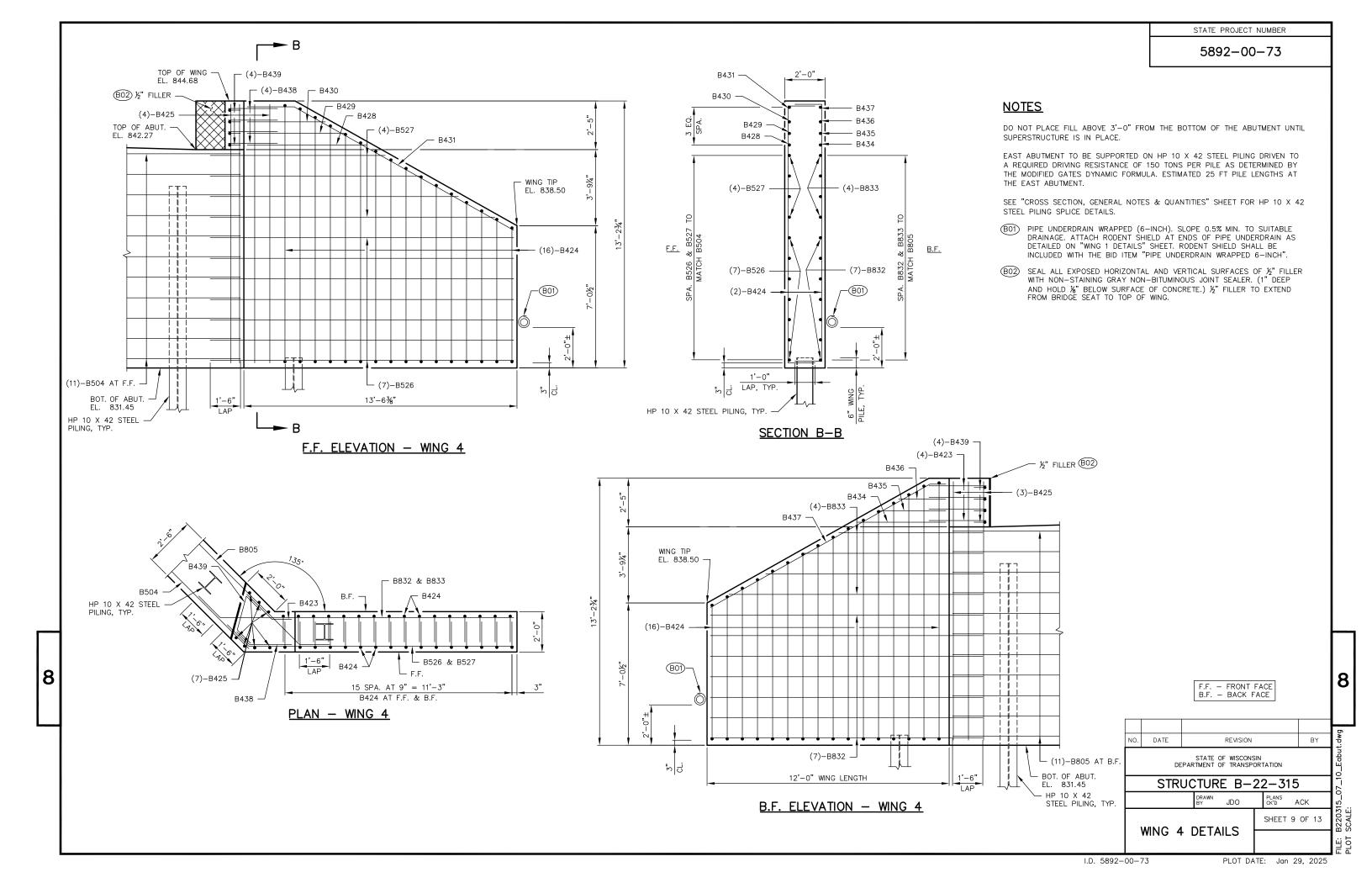


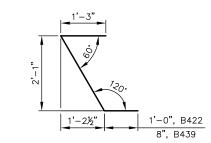




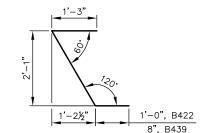








"%" LOW BLRM EL. 834.64 %	MARK COATED COATED LOCATION
$ \hspace{.1cm} \hspace{.1cm} $	B501
	B502 36 6'-11" X BODY - STIRRUP - TOP VERT.
	B403 36 3'-1" X BODY - TIES HORIZ.
BOT W ARUT C SIFFPY HOLLOW RD (2)	B504 22 19'-4" B0DY - F.F. H0RIZ.
DOI: 11. ADOI:	B805 22 24'-2" X B0DY - B.F. H0RIZ.
EL. 830.14	B506 12 4'-9" X BODY - STIRRUP - ADDITIONAL VERT.
WEST ABUTMENT BERM LAYOUT	B407 3 12'-0" BODY - TOP - ADDITIONAL HORIZ.
FINIOUED OF OUR D	B508 31 2'-0" B0DY - TOP D0WELS VERT.
FINISHED GROUND — (LOOKING WEST) AT B.F. OF WING	B409 32 14'-6" X 🛕 WING 3 - STIRRUP - F.F. & B.F. VERT.
	B410 10 13'-1" WING 3 - F.F. & B.F. VERT.
WING 3 TIP FINISHED — TOP OF WING FINISHED GROUND	B511 11 14'-9" X WNG 3 - F.F. HORIZ.
GROUND EL. 842.30 \	B412 1 12'-7" WING 3 - F.F. HORIZ. B413 1 9'-8" WING 3 - F.F. HORIZ.
FL 842.27 — /	
	B415 1 13'-4" X WING 3 - F.F TOP HORIZ. B816 11 16'-3" X WING 3 - B.F. HORIZ.
	B417 1 11'-0" WING 3 - B.F. HORIZ.
	B418 1 8'-1" WING 3 - B.F. HORIZ.
[6] [8] LOW BERM EL. 835.95 —	B419 1 5'-2" WING 3 - B.F. HORIZ.
	B420 1 11'-9" X WING 3 - B.F TOP HORIZ.
	B421 4 5'-6" X WING 3 - F.F. CORNER HORIZ.
	B422 4 4'-6" X WING 3 - TOP CORNER HORIZ.
$\begin{bmatrix} & & & & & & & & & & & & & & & & & & &$	B423 8 2'-7" X WINGS 3 & 4 - B.F. CORNER HORIZ.
<u> </u>	B424 32 12'-3" X 🛕 WING 4 - STIRRUP - F.F. & B.F. VERT.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	B425 7 12'-9" WING 4 - F.F. & B.F. VERT.
BOT. E. ABUT. BOT. E. ABUT. C SLEEPY HOLLOW RD WING 4 TIP FINISHED GROUND	B526 7 14'-9" X WING 4 - F.F. HORIZ.
(4) FINISHED GROUND EL. 831.45 (4) FINISHED GROUND EL. 837.50	B527 4 11'-4" X 🛦 WING 4 - F.F. HORIZ.
	B428 1 5'-10" WING 4 - F.F. HORIZ.
<u>EAST_ABUTMENT_BERM_LAYOUT</u>	B429 1 4'-10" WING 4 - F.F. HORIZ.
(LOOKING EAST)	B430 1 3'-10" WNG 4 - F.F. HORIZ.
·	B431 1 14'-8" X WING 4 - F.F. TOP HORIZ.
	B832 7 16'-3" X WING 4 - B.F. HORIZ.
	B833 4 12'-10" X 🛦 WING 4 - B.F. HORIZ.
	B434 1 4'-4" WING 4 - B.F. HORIZ.
↑ I	B435 1 3'-4" WING 4 - B.F. HORIZ.
1'-4"	B436 1 2'-4" WNG 4 - B.F. HORIZ.
2 – 2"	B437 1 13'-2" X WNG 4 - B.F TOP HORIZ.
	B438 4 2'-10" X WING 4 - F.F. CORNER HORIZ.
	B439 4 4'-2" X WING 4 - TOP CORNER HORIZ.



B422, & B439

B805, B511, B816, B526,

B527, B832 & B833

<u>B501</u>

8

FINISHED GROUND -AT B.F. OF WING

WING 1 TIP FINISHED GROUND EL. 839.90

BAR SERIES TABLE

B502 & B506

MARK	NO. REQ'D	LENGTH
B409	2 SERIES OF 16	13'-5" TO 15'-7"
B424	2 SERIES OF 16	9'-3" TO 15'-3"
B527	1 SERIES OF 4	8'-8" TO 14'-0"
B833	1 SERIES OF 4	10'-2" TO 15'-6"

180° BEND

2'-2"

<u>B403</u>

TOP OF WING

– EL. 841.32

LOW BERM

EL. 843.74

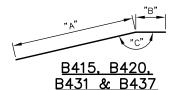
CROWN EL. 841.84

4½" LEGS

EL. 841.80

HIGH BERM EL. 836.86

BUNDLE AND TAG EACH SERIES SEPARATELY.



B409 & B424

<u>BAR</u>	BEND	<u>DIMENSIONS</u>

MARK	"A"	"B"	"C"
B415	11'-0"	2'-4"	169°
B420	11'-0"	0'-9"	169°
B431	12'-5"	2'-3"	151°
B437	12'-5"	0'-9"	151°

DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-22-315 PLANS CK'D ACK

F.F. – FRONT FACE B.F. – BACK FACE

STATE PROJECT NUMBER 5892-00-73 37'-10¾" BACK TO BACK OF ABUTMENTS **NOTES** MEASUREMENTS TAKEN ALONG TANGENT LINE 1'-5%" 1'-5%" 35'-0" SPAN LENGTH TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS. $\langle 2 \rangle$ € E. ABUT. BRG. ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT ⊋ W. ABUT. BRG CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+). S01 S03 (2)-S608 S03 (4)-S609 AT RAILING TO BE INSTALLED ON THE SLAB AFTER FALSEWORK HAS BEEN RELEASED. INTERIOR NORTH (2)-S502 (NEAR RAIL POSTS SLAB EDGE WING, TYP.) (S01) SEE "END POST DETAIL" THIS SHEET FOR ORIENTATION OF S608 & S610 BARS AT END POSTS AT EACH WING. ADJUST ORIENTATION OF S608 & S610 BARS TO ENSURE CLEAR COVER AT END OF SLAB AND PAVING NOTCH. - S507 (TOP) (\$02) DIMENSION IS TAKEN ALONG TANGENT LINE OF & SLEEPY HOLLOW RD. TOP LONGIT. STEEL (\$03) SEE "RAILING TUBULAR TYPE M" SHEET FOR PLACEMENT OF RAIL POST REINFORCEMENT. OUT-TO-OUT OF STRUCTUR S503 © W. ABUT. BRG. STA. 13+82.66 1'-0" SPA., (\$04) SEE "WEST ABUTMENT" SHEET FOR PLACEMENT OF A508 BARS & "EAST ABUTMENT" S605 BOT., SHEET FOR PLACEMENT OF B508 BARS. TYP **SLEEPY** BACK OF ABUT. HOLLOW RD S605, BOT \$05 EXTEND ONE END OF THE \$1004 BAR TO 2" CLEAR OF ONE BACK FACE OF ABUTMENT. STA. 13+81.24 S506, TOP ALTERNATE BETWEEN WEST AND EAST ABUTMENTS ACROSS ENTIRE SLAB. (\$06) APPLY PROTECTIVE SURFACE TREATMENT TO THE VERTICAL AND HORIZONTAL SURFACES S503 OF THE PAVING NOTCHES. POINT OF TAN. S501 STA. 14+00.00 \$6 8" PAVING NOTCH, TY TAN. LINE TO & SLEEPY HOLLOW RD AT P.O.C. \$07 DIMENSION IS TAKEN ALONG € ABUT. BRG. S1004 (BOT.) 1'-0" SPA., STA. 14+00.00 > INDICATES WING NUMBER S506 TOP, € RAILING BACK OF ABUT. BASE BOT. LONGIT. STEEL-STA. 14+19.17 PLATE, TYP. F. ABUT. BRG STA. 14+17.69 FND OF SLAB (2)-S502 (NEAR WING, TYP.) PAVING (2)-S608(S03) NOTCH SLAB EDGE 38 $\langle 4 \rangle$ (4)-S610 AT S01 S03 EXTERIOR 2)-S608 TYP. RAIL POSTS ÀT RAIL POSTS MEASURED FROM END OF 5 SPA. AT 5'-11" = 29'-7"RAIL POST SPACING SLAB ALONG & RAILING BASE PLATE, TYP. (BOTH SLAB EDGES) PLAN VIEW 1)-S610 TYP. END POST ÀT RAIL POSTS 37'-1034" BACK TO BACK OF ABUTMENTS **END POST DETAIL** 1'-5%" 35'-0" SPAN LENGTH 1'-5%" (WING 1 POST SHOWN, ALL WINGS SIMILAR SIMILAR) (ONLY RAIL POST REINFORCEMENT SHOWN FOR CLARITY) 11%" 36 SPA. AT 1'-0" = 36'-0", S506 11%" PAVING NOTCH (\$07) \[
\mathbb{G}\] W. ABUT. BRG. € E. ABUT. BRG. -PAVING -S506 S506 S507 S507 CL. TYP. NOTCH (3)-S605 (3)-S605(S06) S503 EAST END OF SLAB S502 S501 F.F. - FRONT FACE 18" RUBBERIZED S605 18" RUBBERIZED B.F. - BACK FACE S1004 MEMBRANE MEMBRANE S1004 ¾" BEVEL, TYP. ¾" BEVEL, TYP. WATERPROOFING WATERPROOFING 4" X ¾" FILLER 4" X ¾" FILLER

37 SPA. AT 1'-0" = 37'-0", S605 (BOT.)

LONGITUDINAL SECTION

(LOOKING NORTH)

©04) B508

1'-5%"

(\$02)

F.F. OF E. ABUTMENT

A508 (\$04)

1'-5%"

F.F. OF W. ABUTMENT

B.F. OF W.

ABUTMENT

5%"

1'-5%"

2'-10¾"

S02

W/ PAVING NOTCH

(S02)

DATE BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-22-315 ACK SHEET 11 OF 13 **SUPERSTRUCTURE** PLAN

B.F. OF F

ABUTMENT

5%"

1'-5%"

(\$02)

2'-10¾"

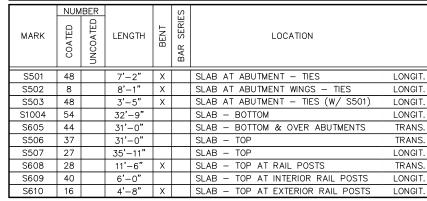
S02

W/O PAVING NOTCH

(NEAR WINGS)

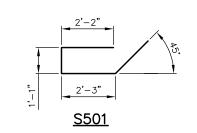
BILL OF BARS **SUPERSTRUCTURE**

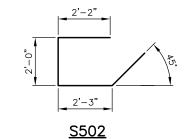
COATED = 13,420 LBS.



THE FIRST OR FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

ALL BAR BEND DIMENSIONS ARE OUT TO OUT OF BAR.





SURVEY TOP OF SLAB ELEVATIONS

└11"

1'-3"

RAILING

7½"

1'-6"

NO PAVING

NOTCH

4½"

2½"

NORTH SLAB EDGE -

	Ç W. ABUT. BRG.	5/10 PT.	Ç E. ABUT. BRG.
NORTH SLAB EDGE			
© SLEEPY HOLLOW RD			
SOUTH SLAB EDGE			

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE $\mathbb Q$ OF ABUTMENTS AND AT 5/10 POINTS TO VERIFY CAMBER. TAKE ELEVATIONS ALONG EDGE OF SLAB AND REFERENCE LINE. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

	NORTH DECK EDGE										
SPAN PT	STA. ON & SLEEPY HOLLOW RD	DISTANCE ALONG TANGENT LINE	OFFSET ALONG TANGENT LINE (LEFT)	EDGE OF DECK ELEVATION							
€ W. ABUT.	13+90.30	-9.42	14.00	844.21							
0.1	13+93.91	-5.92	14.00	844.31							
0.2	13+97.51	-2.42	14.00	844.40							
0.3	14+01.12	1.08	14.00	844.49							
0.4	14+04.72	4.58	14.00	844.57							
0.5	14+08.32	8.08	14.00	844.65							
0.6	14+11.92	11.58	14.00	844.72							
0.7	14+15.53	15.08	14.00	844.78							
0.8	14+19.13	18.58	14.00	844.85							
0.9	14+22.72	22.08	14.00	844.90							
€ E. ABUT.	14+26.32	25.58	14.00	844.95							

IN SPAN

12'-0"

TAN. LINE TO & SLEEPY HOLLOW RD AT P.O.C. STA. 14+00.00

S506

CROWN PT. AND POINT REFERRED TO ON PROFILE

GRADE LINE, & SLEEPY

2.0%

HOLLOW RD

RAILING

7½"

CL.

(\$07)

4½"

V-GROOVE, TYP.

¾" CHAMFER, TYP.

- SOUTH SLAB EDGE

S507

S1004

11"

27'-3" OUT TO OUT OF STRUCTURE

26 SPA. AT 1'-0" = 26'-0", TOP STEEL S507

51/4"

MAX.

S605

53 SPA. AT 6'' = 26'-6'', BOTTOM STEEL S1004

25 SPA. AT 1'-0" = 25'-0", S501 (ABUTMENTS), S502 (AT ABUTMENTS, NEAR WINGS), & S503 (ABUTMENTS)

CROSS SECTION THRU ROADWAY

(LOOKING EAST)

12'-9"

RAILING TUBULAR TYPE M, TYP. FOR DETAILS SEE "RAILING

TUBULAR TYPE M" SHEET.

S507

S503

S1004

(2)-S502 (NEAR WINGS)

AT ABUTMENTS

& SLEEPY HOLLOW RD

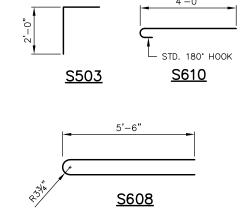
PAVING NOTCH

\$605

S506

2.0%

	SOUTH DECK EDGE											
SPAN PT	STA. ON & SLEEPY HOLLOW RD	DISTANCE ALONG TANGENT LINE	OFFSET ALONG TANGENT LINE (RIGHT)	EDGE OF DECK ELEVATION								
ℚ W. ABUT.	13+75.16	-25.15	13.25	843.74								
0.1	13+78.66	-21.65	13.25	843.86								
0.2	13+82.16	-18.15	13.25	843.98								
0.3	13+85.66	-14.65	13.25	844.09								
0.4	13+89.15	-11.15	13.25	844.19								
0.5	13+92.55	-7.65	13.25	844.28								
0.6	13+95.96	-4.15	13.25	844.37								
0.7	13+99.37	-0.65	13.25	844.47								
0.8	14+02.77	2.85	13.25	844.54								
0.9	14+06.18	6.35	13.25	844.61								
€ E. ABUT.	14+09.59	9.85	13.25	844.68								



€ W. ABUT. BRG.	W. ABUT. BRG. N. 10 10 11 11 11 11 11 11 11 11 11 11 11		- Ç	E. ABU	JT. BRG								
				0.5 PT.	0.6 PT.								
	-		35'-0"	'SPA	N LE	NGTH			_				
•	9	SLAE	В СА	MB	ER	DIA	٩GF	RAM	L				

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE

SLAB THICKNESS CAMBER PLUS

PLUS FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR) EQUALS TOP OF SLAB FALSEWORK ELEVATION.

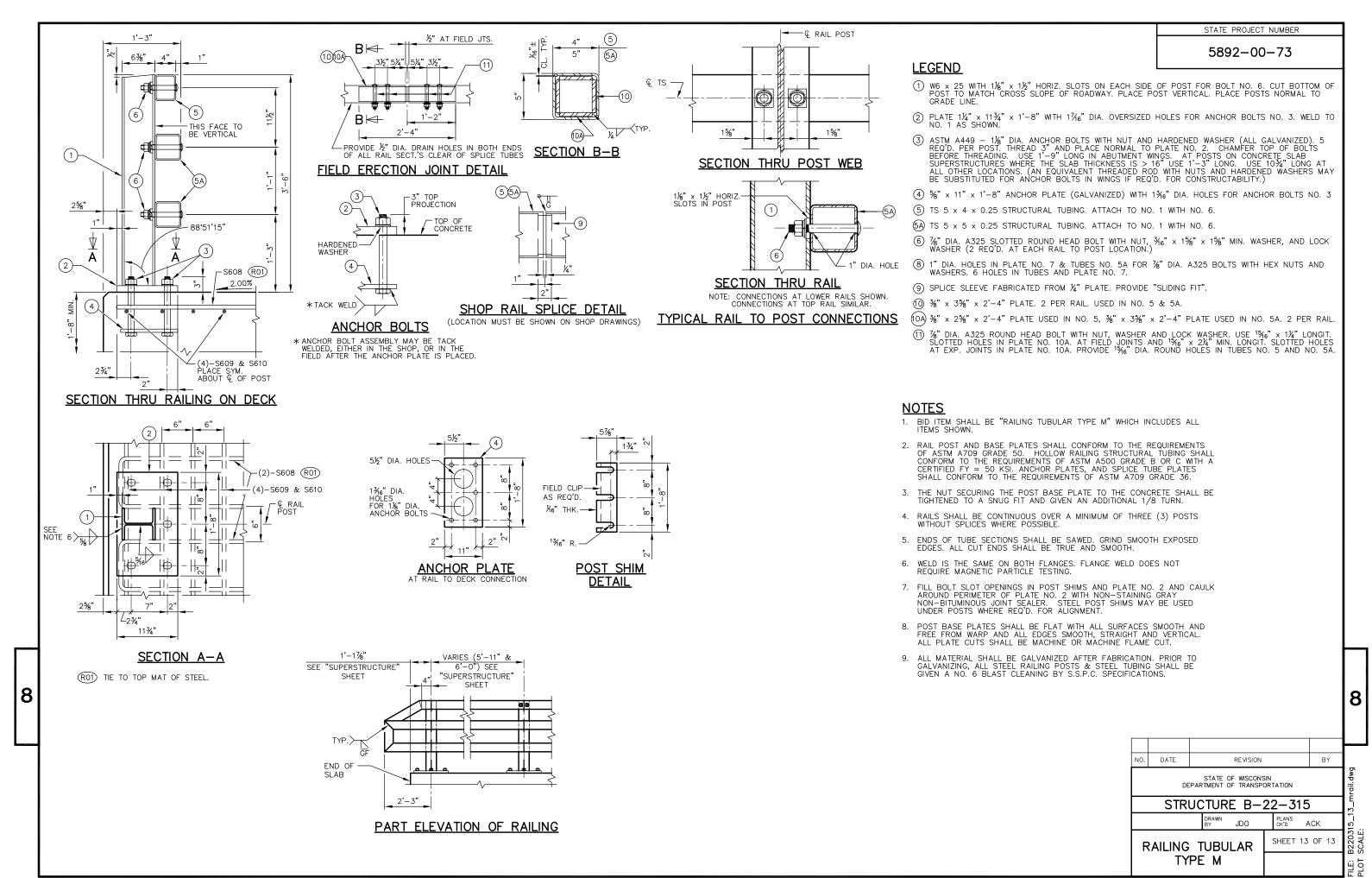
TOP	OF SLAB	ELEVAT	IONS
SPAN PT	NORTH SLAB EDGE	€ SLEEPY HOLLOW RD	SOUTH SLAB EDGE
ℚ W. ABUT.	844.21	844.26	843.74
0.1	844.31	844.37	843.86
0.2	0.2 844.40 844.47		843.98
0.3	844.49	844.57	844.09
0.4	844.57	844.66	844.19
0.5	844.65	844.74	844.28
0.6	844.72	844.83	844.37
0.7	844.78	844.90	844.47
0.8	0.8 844.85 844.97		844.54
0.9	844.90	845.04	844.61
€ E. ABUT.	844.95	845.10	844.68

NOTES

CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

\$07 34" V-GROOVE. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT BODY. V-GROOVES ARE REQUIRED.

								. ĝ
۱0.	DATE			REVISION			BY	ģ.
	DE	PAF		OF WISCON OF TRANSF		TATION		Super.dwg
	STR	JC	TUR	E B-	2:	2-315)	1_12
			DRAWN BY	JDO		PLANS CK'D A	CK	15_1
S	UPERS	TF	RUCT	URE		SHEET 12	OF 13	B220315_ SCALE:
-	REINFO	R	CEME	ENT				FILE: 1

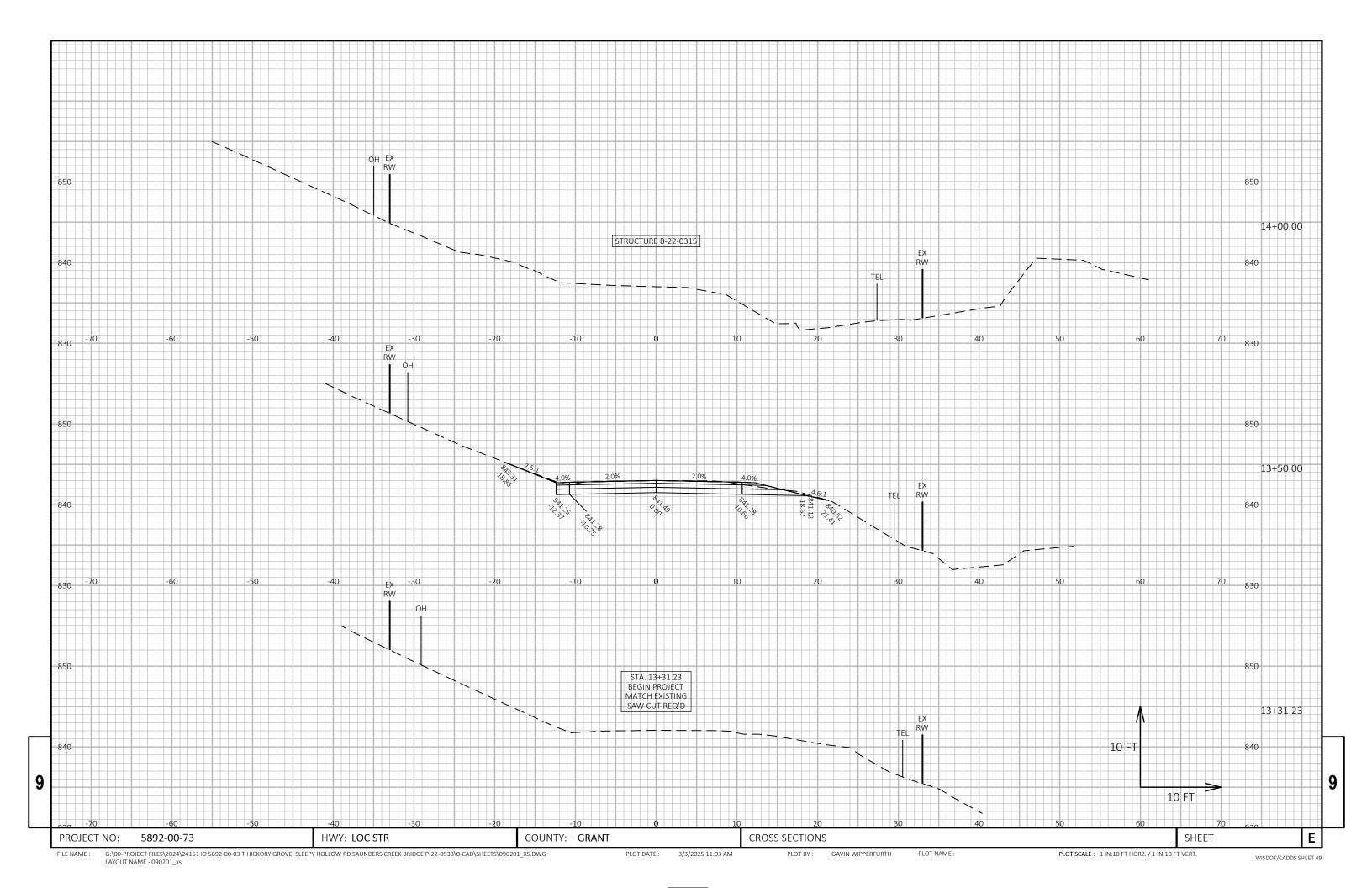


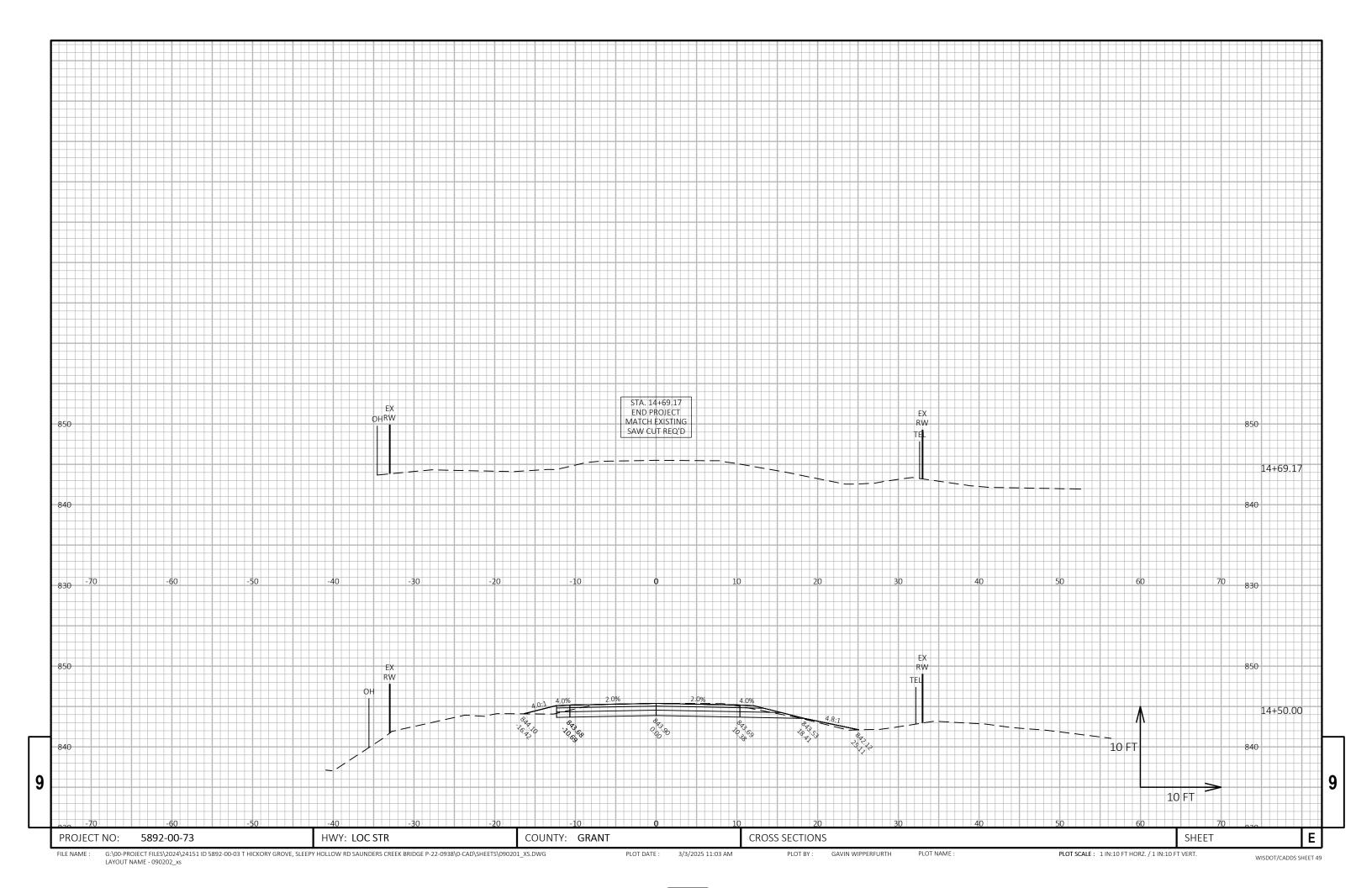
		AREA (SF)				EMENTAL VOL (CY) (UNADJU	CUMULATIVE VOL (CY)			
	DISTANCE		,		CLIT	SALVAGED/UNUSABLE	UNUSABLE		EXPANDED FILL	NAMES ORDINATE
STATION	DISTANCE	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	PAVEMENT MATERIAL	FILL	1.00	1.25	MASS ORDINATE
			TAVEINENT MATERIAL		NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
13+31.23	0.00	35.85	0.60	0.00	0	0	0	0	0	0
13+50.00	18.77	40.02	0.61	0.00	26	0	0	26	0	26
13+64.10	14.10	39.54	0.60	1.95	21	0	1	47	1	46
13+81.27	17.17	21.46	0.60	0.30	19	0	1	66	3	64
					STRUCTURE I	B-22-0315				
			DIVISION 1 TOTA	I	66	0	2			

			AREA (SF)		INCR	EMENTAL VOL (CY) (UNADJU	CUMULATIVE VOL (CY)			
STATION DISTANCE		CALVA CED /LINILICADI E		CUT	SALVAGED/UNUSABLE	FILL	CUT	EXPANDED FILL	MASS ORDINATE	
STATION	CIT 3/12/1025/51103/	PAVEMENT MATERIAL	FILL	(01	PAVEMENT MATERIAL	FILL	1.00	1.25	IVIA33 ORDINATE	
			TAVERNETT TO THE TOTAL		NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
STRUCTURE B-22-0315										
14+19.17	0.00	22.96	0.60	3.90	0	0	0	0	0	0
14+38.09	18.92	36.94	0.61	6.37	21	0	4	21	5	16
14+50.00	11.91	36.64	0.62	3.91	16	0	2	37	8	30
14+69.17	19.17	33.01	0.63	0.44	25	0	2	62	10	52
			DIVISION 2 TOTA	L	62	0	8			
			PROJECT TOTAL		128	0	10			

NOTES:	
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
4 - MASS ORDINATE	[(CUT) - (FILL*FILL FACTOR) - SALVAGED/UNUSABLE PAVEMENT MATERIAL)]
	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

SHEET Ε PROJECT NO: 5892-00-73 HWY: LOC STR COUNTY: GRANT EARTHWORK DATA





Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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