STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Typical Sections and Details Estimate of Quantities

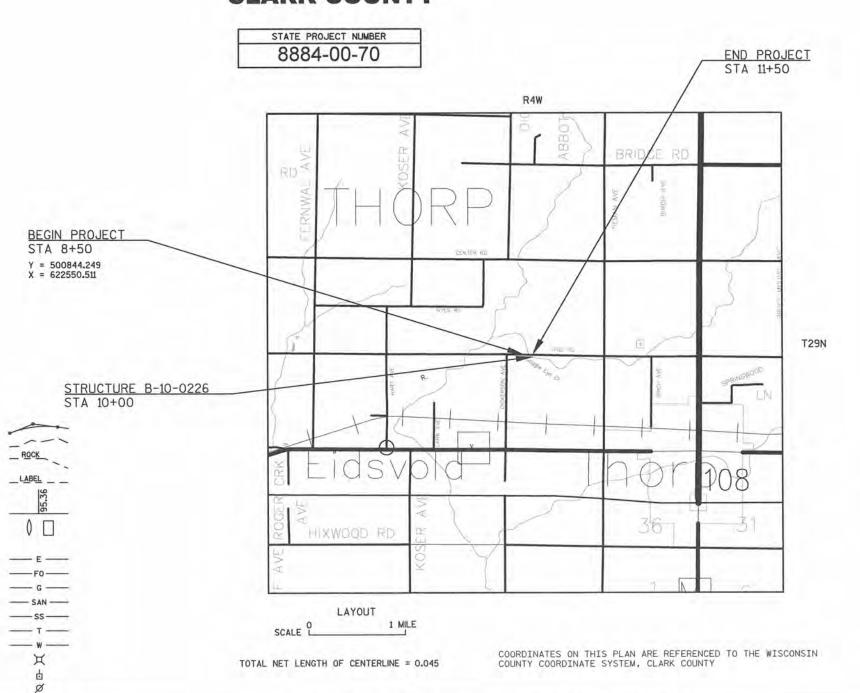
PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT WISC 2015099 8884-00-70 1

TOWN OF THORP, PINE ROAD

GOGGLE CREEK BRIDGE B-10-0226

TOWN ROAD CLARK COUNTY



TOWN THORP ORIGINAL PLANS PREPARED BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION REPARED BY Surveyor SEH Designer KNIGHT ENGINEERING C.O. Examine

ACCEPTED FOR

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

MARSH AREA

= 5

= 40

= 29,200

Miscellaneous Quantities

Standard Detail Drawings

Computer Earthwork Data

PROJECT LOCATION

PROFILE GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

ELECTRIC

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

STORM SEWER TELEPHONE

GRADE ELEVATION

MARSH OR ROCK PROFILE

CULVERT (Profile View)

(To be noted as such)

Plan and Profile

Structure Plans

Cross Sections

Sign Plates

STANDARD ABBREVIATIONS

ABU **ABUTMENT** AC ACRE AGG AGGREGATE

AECPRC APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE

ASPL ASPHALTIC AVG **AVERAGE**

AVERAGE DAILY TRAFFIC BACK FACE ADT BF ВМ BENCH MARK

CE COMMERCIAL ENTRANCE CENTER LINE CL OR C/L OR CENTRAL ANGLE OR DELTA

CONC CONCRETE CPRC CULVERT PIPE REINFORCED CONCRETE **CPRCHE** CULVERT PIPE REINFORCED CONCRETE

HORIZONTAL ELLIPTICAL CR CREEK CUBIC YARD CURB AND GUTTER
DEGREE OF CURVED
DESIGN HOUR VOLUME C&G Н۷ DISCHARGE DITCH GRADE DWY DRIVEWAY ST GRID COORDINATE EAT STEEL PLATE BEAM GUARD

ENERGY ABSORBING TERMINAL END POINT OF RADIUS EOR **ELEVATION** ENT **ENTRANCE** ESALS EQUIVALENT SINGLE AXLE LOADS

EXC **EXCAVATION** EXCAVATION BELOW SUBGRADE EBS EXISTING FACE OF CURB EXIST FC FACE TO FACE FERT

FIELD ENTRANCE FI FLOW LINE CWT HUNDREDWEIGHT HYD HYDRANT INSIDE DIAMETER ID ĺΝ۷ IRON PIPE ON PIN LHE LEFT-HAND FORWARD LENGTH OF CURVE LF LINEAR FOOT LONG CHORD OF CURVE LC LS LUMP SUM MANHOLE

MOR MID POINT OF RADIUS NC NORMAL CROWN NUMBER OBLIT OBLITERATE PAVT PAVEMENT PRIVATE ENTRANCE PVRC

POINT OF VERTICAL REVERSE CURVE QOR QUARTER POINT OF RADIUS RADIUS

REQID REQUIRED

RESIDENCE OR RESIDENTIAL RES I RHE RIGHT-HAND FORWARD

R/W RIGHT-OF-WAY RIVER RDWY ROADWAY R/L OR REFERENCE LINE SAN SF SANITARY SEWER SOLIARE FEET SQUARE YARD

SDD STANDARD DETAIL DRAWINGS STA SS STATION

STORM SEWER

SSPRC STORM SEWER PIPE REINFORCED CONCRETE SE SUPERELEVATION RATE

TOP OF CURB TC T OR TN TOWN

TRUCKS (PERCENT OF) TYP TYPICAL VARIABI F VAR VERTICAL CURVE ٧C **YNORTH** GRID COORDINATE

YD YARD

PROJECT NO: 8884-00-70

HWY: PINE ROAD

CP 2

BM 2

%" SPK IN PP STA 8+9140 3191 RT

=500811.655

X =622591.074

=500831.093

X =622578.453

%" SPK IN ROAD STA 8+78.12 12.77' RT

COUNTY: CLARK

GENERAL NOTES

UTILITY CONTACTS

CENTURYLINK 2604 MAIN STREET SHELDON, WI 54766 TELEPHONE: 715.452.5168 ATTENTION: JIM ARQUETTE EMAIL: JIM.ARQUETTE@CENTURYLINK.COM

CLARK ELECTRIC CO-OP P.O. BOX 190 124 NORTH MAIN STREET GREENWOOD, WI 54437 TELEPHONE: 715,267,6188 EXT 235 ATTENTION: KEVIN STERLAND EMAIL: KSTERLAND@CECOOP.COM

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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

NOTE: WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

**NOT A MEMBER OF DIGGERS HOTLINE

MUNICIPALITY CONTACT

N15672 FERNWAL AVENUE STANLEY, WI 54768 TELEPHONE: 715.644.2649 ATTENTION: RONALD WUNDROW EMAIL: N/A

DESIGN CONTACT

10 NORTH BRIDGE STREET CHIPPEWA FALLS, WI 54729 TELEPHONE: 715.720.6267 ATTENTION: DAN GUSTAFSON EMAIL: DGUSTAFSON@SEHINC.COM

DNR CONTACT

DNR WEST CENTRAL REGION HQ 1300 W CLAIREMONT AVENUE EAU CLAIRE, WI 54702 TELEPHONE: 715.839.1609 ATTENTION: CHRIS WILLGER EMAIL: CHRISTOPHERJ.WILLGER@WISCONSIN.GOV

SHEET

FILE NAME : P:\PT\T\THORT\124164\CIVIL 3D\020101_GN.DWG

PLOT BY : JUSTIN SHAVLIK

WOOD CORNER FENCE POST

STA 12+26.40 33.29' LT

%" SPK IN PP STA 12+29.88 31.84' RT

Y =500803.812

X =622929.976

=500868 974

=622927,129

WISDOT/CADDS SHEET 42

Ε

PLOT DATE: 7/15/2014 8:35 AM

GENERAL NOTES

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER

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

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID

NORTHWEST CORNER OF BRIDGE STA 9+80.16 8.87' LT

SOUTHWEST CORNER OF BRIDGE

14.22'

Y =500850.039

X =622680.862

WEST SIDE

OF EXISTING

STA 9+80.40 11.27' RT

BRIDGE

r =500829**.**983

X =622680.583

FIRE NUMBER SIGN

%" SPK IN ROAD STA 12+01.14 13.88' LT

Y =500849.807

X =622901.681

ALIGNMENT CONTROLS

=500862,810

CP 3

X =622896.278

STA 11+95.61 26.83' LT

SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE, THERE MAY BE OTHER UTILITY

ALL CURB AND GUTTER RADI, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

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

WISDOT MONUMENTS WILL BE SUPPLIED BY THE STATE AND INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

3-INCH ASPHALTIC SURFACE CONSTRUCTED IN TWO 1.5-INCH LIFTS WITH 9.5-MM NOMINAL AGGREGATE SIZE AND PG58-28 BINDER.

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

AND SEEDED. AND MULCHED.

FOR AS COMMON EXCAVATION.

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

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

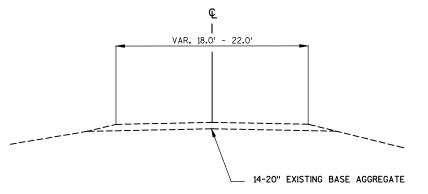
A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

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

PLOT NAME :

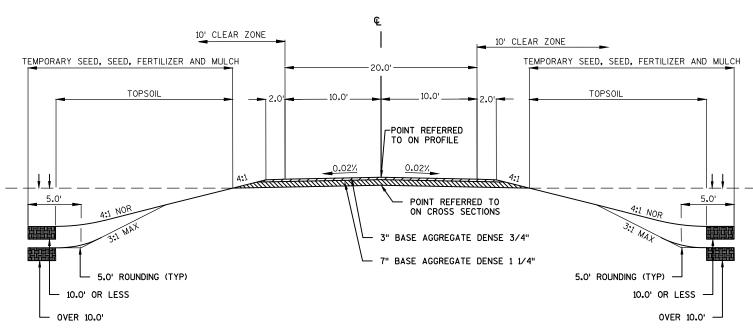
PLOT SCALE : 1 IN:100 FT





TYPICAL EXISTING SECTION

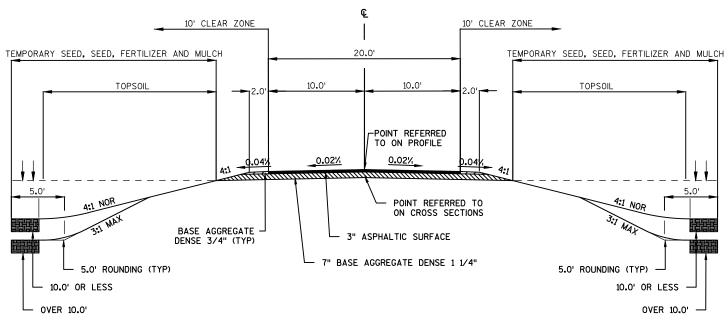
STA 8+50 TO STA 11+50



TYPICAL FINISHED SECTION

STA 8+50 TO STA 9+25 STA 10+75 TO STA 11+50

PROJECT NO:8884-00-70 HWY:PINE ROAD COUNTY:CLARK TYPICAL SECTIONS SHEET **E**



TYPICAL FINISHED SECTION

STA 9+25 TO STA 9+68.75 STA 10+31.25 TO STA 10+75

NOTE: APSHALTIC SURFACE SHALL BE PLACED 24' WIDE AT BRIDGE AND TAPER TO 20' WIDE AT END OF APPROACH

PROJECT NO:8884-00-70 HWY:PINE ROAD COUNTY:CLARK TYPICAL SECTIONS SHEET **E**

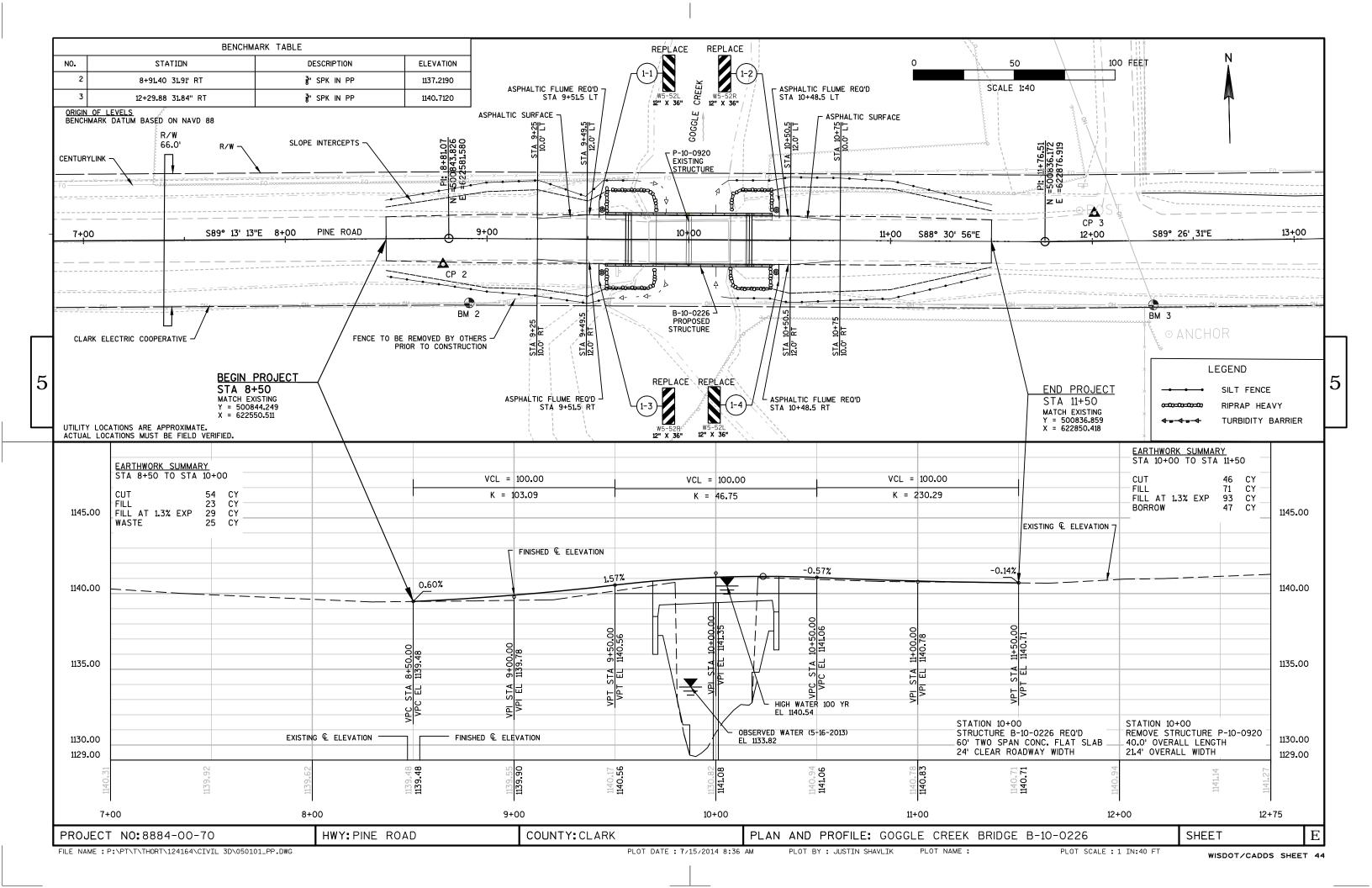
FILE NAME : P:\PT\T\THORT\124164\CIVIL 3D\020301_TS.DWG PLOT DATE : 7/15/2014 8:35 AM PLOT BY : JUSTIN SHAVLIK PLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42

DATE 25 LINE	NOV14	E S T	IMAT	E O F Q U A N	T I T I E S 8884-00-70
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	201. 0105	CLEARING	STA	1.000	1.000
0020 0030	201. 0205	GRUBBING S REMOVING OLD STRUCTURE OVER WATERWAY	STA LS	1. 000 1. 000	1. 000 1. 000
0030	203. 0000. 3	WITH MINIMAL DEBRIS (STATION) 01. 10+00	L3	1.000	1.000
0040	205. 0100	EXCAVATI ON COMMON	CY	100.000	100.000
0050	206. 1000	EXCAVATION FOR STRUCTURES BRIDGES	LS	1. 000	1. 000
		(STRUCTURE) 01. B-10-226			
0060	208. 0100	BORROW	CY	22. 000	22. 000
0000	210. 0100	BACKFILL STRUCTURE	CY	120. 000	120. 000
0800	213. 0100	FINISHING ROADWAY (PROJECT) 01.	EACH	1.000	1.000
		8884-00-70			
0090	305. 0110	BASE ACCRECATE DENSE 3/4-INCH	TON	90.000	90.000
0100	305. 0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	280. 000	280. 000
0110	455. 0605	TACK COAT	GAL	14. 000	14. 000
0120	465. 0105	ASPHALTIC SURFACE	TON	38. 000	38. 000
0130	465. 0315	ASPHALTIC FLUMES	SY	40. 000	40.000
0140	502. 0100	CONCRETE MASONRY BRIDGES	CY	170.000	170.000
0150	502. 3200	PROTECTIVE SURFACE TREATMENT	SY	225. 000	225. 000
0160	505. 0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	4, 310, 000	4, 310. 000
0170	505. 0605	BAR STEEL REINFORCEMENT HS COATED	LB	21, 530. 000	21, 530. 000
		BRI DGES		·	
0180	513. 4060	RAILING TUBULAR TYPE M (STRUCTURE) 01.	LS	1. 000	1. 000
0100	E14 0500	B-10-226	CV	1/ 000	1/ 000
0190 0200	516. 0500 550. 1100	RUBBERIZED MEMBRANE WATERPROOFING PILING STEEL HP 10-INCH X 42 LB	SY LF	16. 000 330. 000	16. 000 330. 000
0200	330. 1100	FILING SILLE HE TO-TINGE A 42 LD	LF	330.000	330.000
0210	606. 0300	RI PRAP HEAVY	CY	130. 000	130. 000
0220	612. 0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	60. 000	60. 000
0230	612. 0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	100.000	100.000
0240	619. 1000	MOBILIZATION	EACH	1.000	1.000
0250	625. 0100	TOPSOI L	SY	505. 000	505.000
0260	627. 0200	MULCHI NG	SY	635. 000	635. 000
0280	628. 1504	SILT FENCE	LF	525. 000	525. 000
0270	628. 1520	SILT FENCE MAINTENANCE	LF	525. 000	525. 000
0290	628. 1905	MOBILIZATIONS EROSION CONTROL	EACH	3. 000	3. 000
0300	628. 1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	3.000	3.000
0210	(20, 2007	EDOCLON MAT LIDDAN OLACO I TVDE A	CV	F0 000	FO 000
0310 0320	628. 2006 628. 6005	EROSION MAT URBAN CLASS I TYPE A TURBIDITY BARRIERS	SY SY	50. 000 180. 000	50. 000 180. 000
0320	628. 7504	TEMPORARY DITCH CHECKS	LF	50. 000	50. 000
0340	629. 0205	FERTILIZER TYPE A	CWT	0. 500	0. 500
0350	630. 0120		LB	20. 000	20. 000
0360	630. 0200	SEEDING TEMPORARY	LB	20.000	20.000
0370 0380	634. 0612 637. 2230	POSTS WOOD 4X6-INCH X 12-FT SIGNS TYPE II REFLECTIVE F	EACH SF	4. 000 12. 000	4. 000 12. 000
0380	638. 2602	REMOVING SIGNS TYPE II	SF EACH	6. 000	6. 000
0400	638. 3000	REMOVING SMALL SIGN SUPPORTS	EACH	6. 000	6. 000
0410	642. 5001	FIELD OFFICE TYPE B	EACH	1. 000	1. 000
0420	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 8884-00-70	EACH	1.000	1.000
0430	645. 0120	GEOTEXTILE FABRIC TYPE HR	SY	235. 000	235. 000
0440 0450	650. 4500 650. 6500	CONSTRUCTION STAKING SUBGRADE CONSTRUCTION STAKING STRUCTURE LAYOUT	LF LS	240. 000 1. 000	240. 000 1. 000
0450	050. 0500	(STRUCTURE) 01. B-10-0226	LJ	1.000	1.000
0460	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1.000	1. 000
		CONTROL (PROJECT) 01. 8884-00-70			
0470	650. 9920	CONSTRUCTION STAKING SLOPE STAKES	LF	240.000	240.000
0480	715. 0502	INCENTIVE STRENGTH CONCRETE STRUCTURES	DOL	1, 020. 000	1, 020. 000

DATE 25NOV14		ESTIMATE O	$F Q \ U \ A \ N \ T$	ITIES		
LINE				8884-00-70		
NUMBER ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY		
0490 ASP. 1	ITOA ON-THE-JOB TRAINING APPRENTIC	CE AT \$5. HRS 1	1, 200. 000	1, 200. 000		
	00/HR					
0500 ASP. 1	TOG ON-THE-JOB TRAINING GRADUATE	AT \$5.00/HR HRS	300.000	300.000		

PINE ROAD 8+50 - 9+68.75	PINE ROAD 8+50 - 11+50 UNDISTRIBUTED 50 1TEM TOTALS 525 525 525 50 180 50 NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.
BASE AGGREGATE DENSE 305.0110 305.0120 3/4-INCH 11/4-INCH STATION - STATION LOCATION TON TON	EROSION CONTROL ITEMS 628.2006 EROSION MAT 628.7504 628.1520 URBAN 628.6005 TEMPORARY 628.1504 SILT FENCE CLASS I TURBIDITY DITCH SILT FENCE MAINTENANCE TYPE A BARRIER CHECKS STATION - STATION LOCATION STATION LOCATION EROSION CONTROL ITEMS 628.7504
FINISHING ROADWAY (8884-00-70) STATION - STATION	TOPSOIL, MULCHING AND SEEDING 630.0120 629.0205 SEEDING SEEDING SEEDING SEEDING SEEDING SEEDING SEEDING TOPSOIL MULCHING TYPE A NO. 20 TEMPORARY LB LB
STATION - STATION LOCATION STATION - STATION LOCATION STATION - STATION LOCATION STATION - STATION LOCATION CY CY CY CY CY CY CY C	MOBILIZATION 619.1000
CLEARING & GRUBBING 201.0105 201.0205 CLEARING GRUBBING STA GRUBBING STA PINE ROAD 10+50 - 11+50 LT & RT 1 1 ITEM TOTALS 1 1 1	ASPHALTIC PAVEMENT ITEMS 455.0605 465.0315 TACK ASPHALTIC ASPHALTIC ASPHALTIC COAT SURFACE FLUMES SURFACE SURFACE FLUMES SURFACE SURFACE FLUMES SURFACE FL

					CO	NSTRUCTIO	N STAKING		
	MOBILIZATIONS EROSION CONTROL 628.1910 628.1905 EMERGENCY EROSION EROSION CONTROL CONTROL			STATION - STATION	N LOCATION	650.4500 SUBGRADE LF	*650.6500 STRUCTURE LAYOUT	650.9910 SUPPLEMENTA CONTROL (8884-00-70) LS	SLOPE STAKES LF
	STATION - STATION EACH EACH PINE ROAD 3 3 8+50 - 11+50 3 3 ITEM TOTALS 3 3			8+50 - 11+50 10+00 ITEM TOTALS *CATEGORY 0020	LT & RT LT & RT	240	1	1	240
1-1 W5-52L CLEARAN 1-2 W5-52R CLEARAN 1-3 W5-52R CLEARAN 1-4 W5-52L CLEARAN R12-1 WEIGHT LI	SIGNS WOOD REMO TYPE 4X6-INCH SIG TYPE REFLECTIVE F 12-FT TYP SSAGE SIZE SF EACH E	SNS SIGN SE II SUPPORTS CH EACH REMARKS 1 1 REPLACE 1 1 REMOVE 1 1 REMOVE							
	FIELD OFFICE TYPE B STATION STATION 642.5001 EACH PINE ROAD 8+50-11+50 1 ITEM TOTAL 1								
	TRAFFIC CONTROL (8884-00-70) STATION - STATION 643.0100 EACH EACH PINE ROAD 8+50 - 11+50 1 ITEM TOTAL 1					NO EN	DTE: ALL ITEM GINEER ESTIMA	S AND QUANTITIE: ATE CATEGORY O	S ON THIS SHEET ARE FOR D10, UNLESS OTHERWISE NOTED.
PROJECT NO:8884-00-70	HWY: PINE ROAD	COUNTY: CLARK	MISCELLANEOUS Q						SHEET

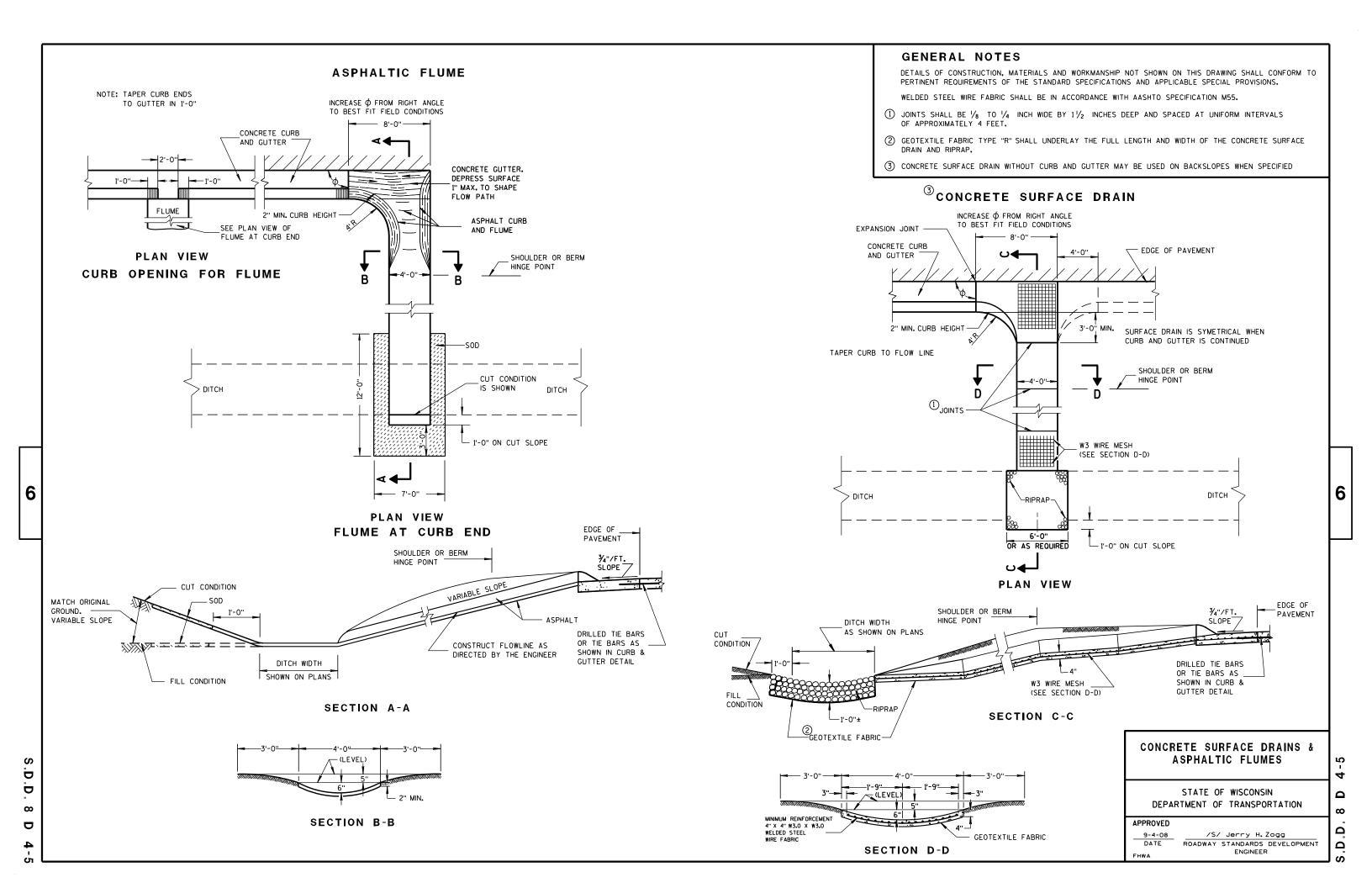


Standard Detail Drawing List

08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E11-02	TURBI DI TY BARRI ER
12A03-10	NAME PLATE (STRUCTURES)
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C06-07	SIGNING & MARKING FOR TWO LANE BRIDGES

6

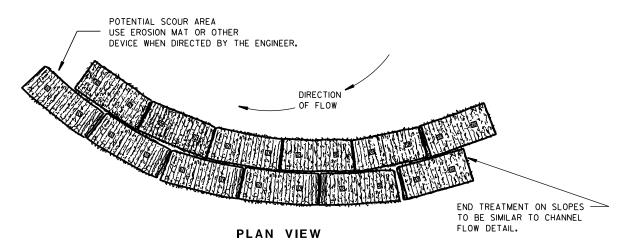
_



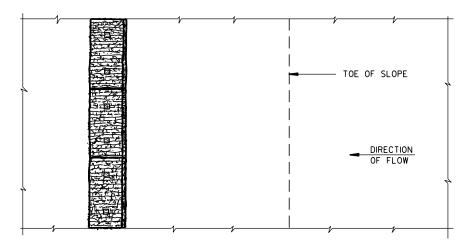
GENERAL NOTES

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.

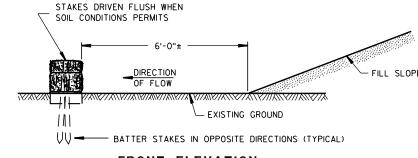
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



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

6

 ∞

 ∞

Ω

Δ

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

6

Ō Ö

TYPICAL APPLICATION OF SILT FENCE

6

b

Ō

Ш





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.

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



SILT FENCE

တ ∞

6

Ū

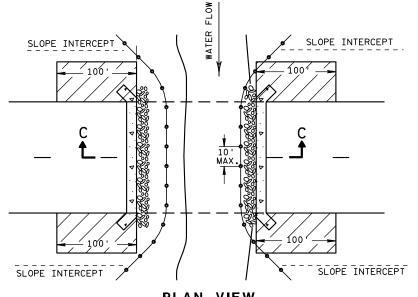
Ō

GENERAL NOTES

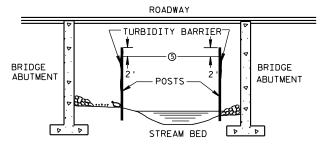
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.



PLAN VIEW



SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

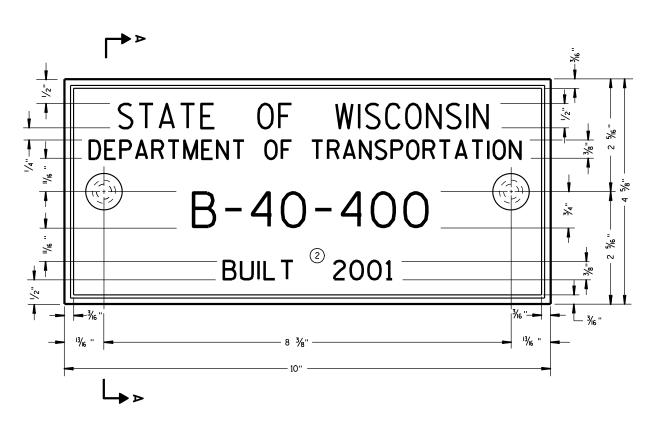
APPROVED

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

 ∞

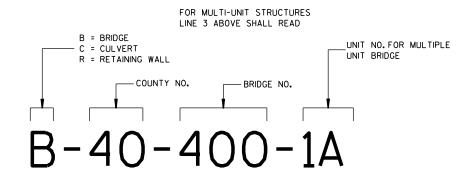
Ω





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



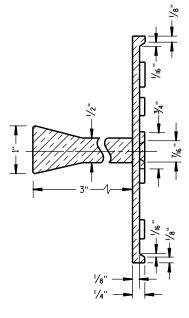
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

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.

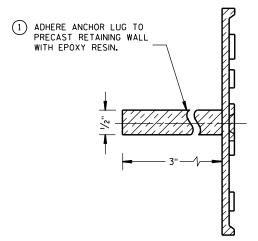
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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
DEPARTMENT OF TRANSPORTATION

APPROVED

 D. 12 A 3-10



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

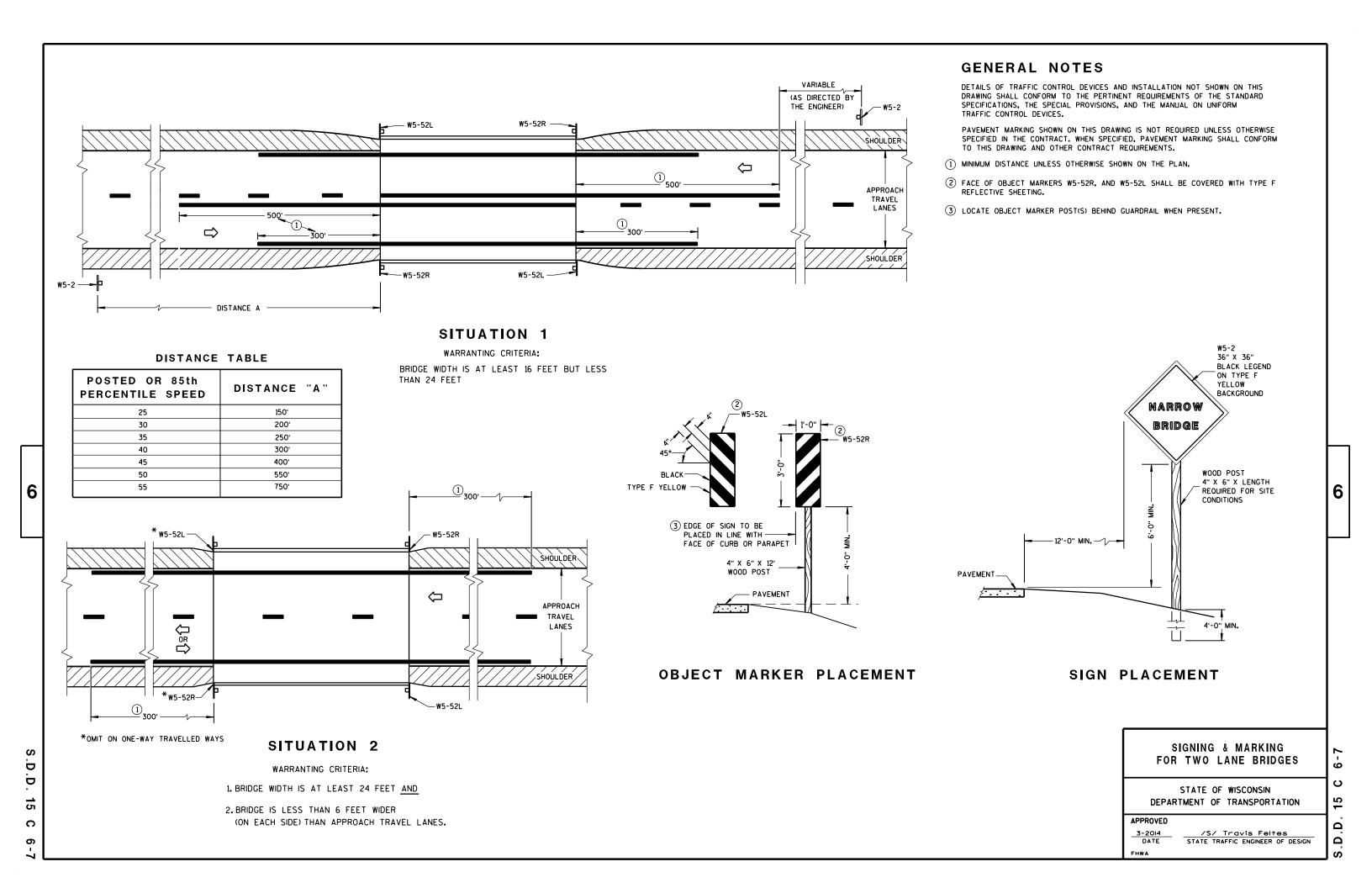
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

2

Δ

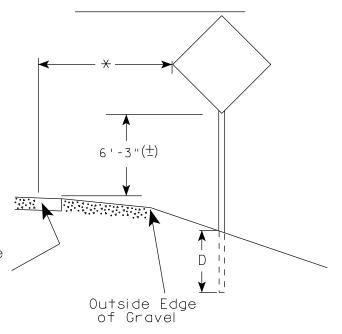
2



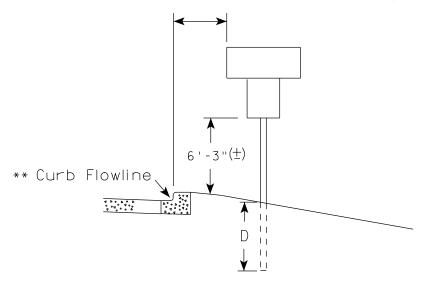
URBAN ARFA

2' Min - 4' Max (See Note 5) 7'-3"(士) ** Curb Flowline. D White Edgeline Location

RURAL ARFA (See Note 2)



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



5'-3"(士) White Edgeline D 11 Location Outside Edae of Gravel

 $\mid_{X|X}$ 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

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

GENERAL NOTES

- 1. Signs wider than 4 feet or larger than 20 sq. ft. 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'' (±) or 6'-3'' (+) 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" (+). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of $4'-3''(\pm)$.

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

Matther R Raud for State Traffic Engineer

DATE 9/21/2011

PLATE NO. 44-3.16

SHEET NO:

PROJECT NO:

HWY:

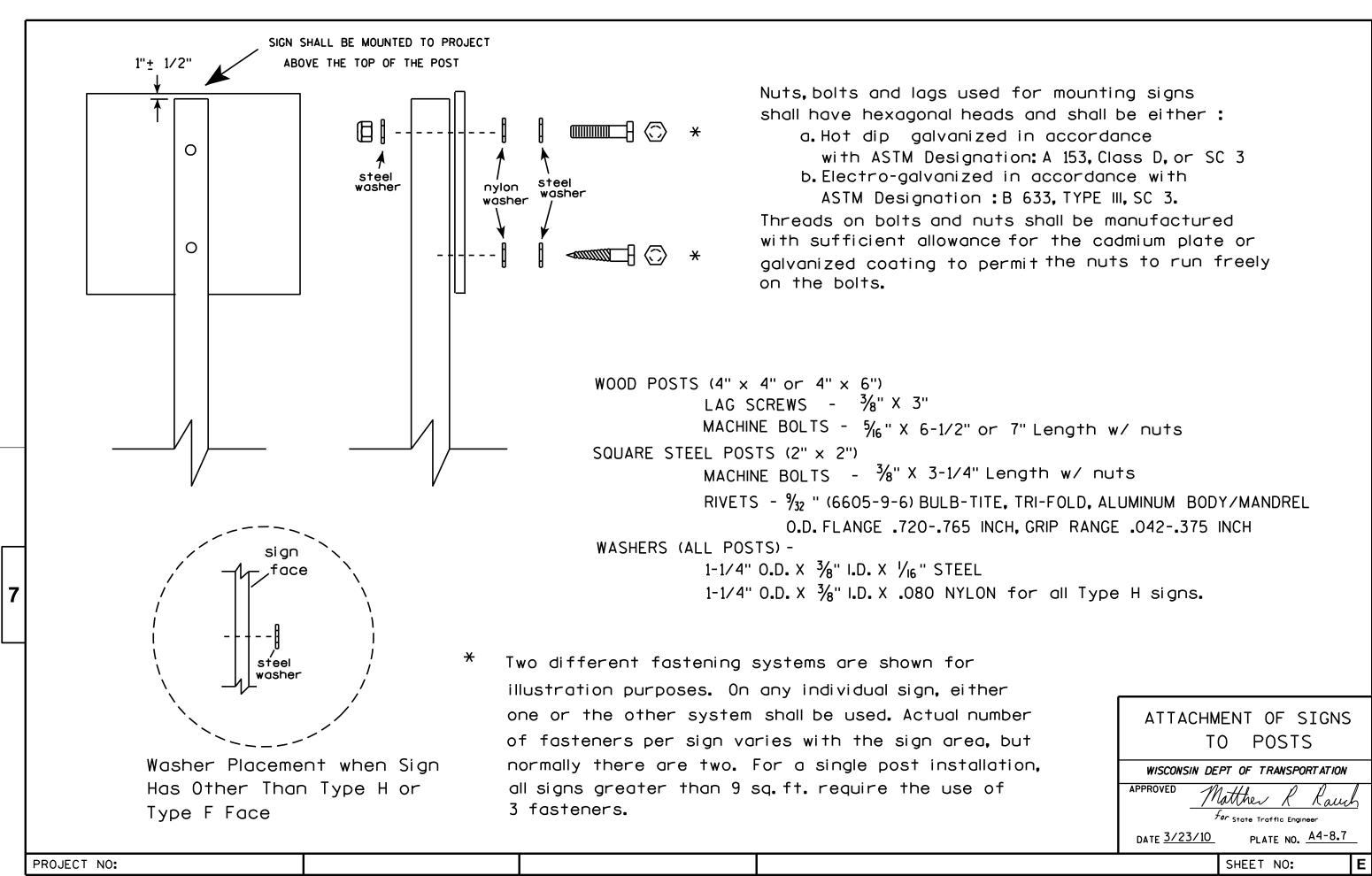
COUNTY:

PLOT NAME :

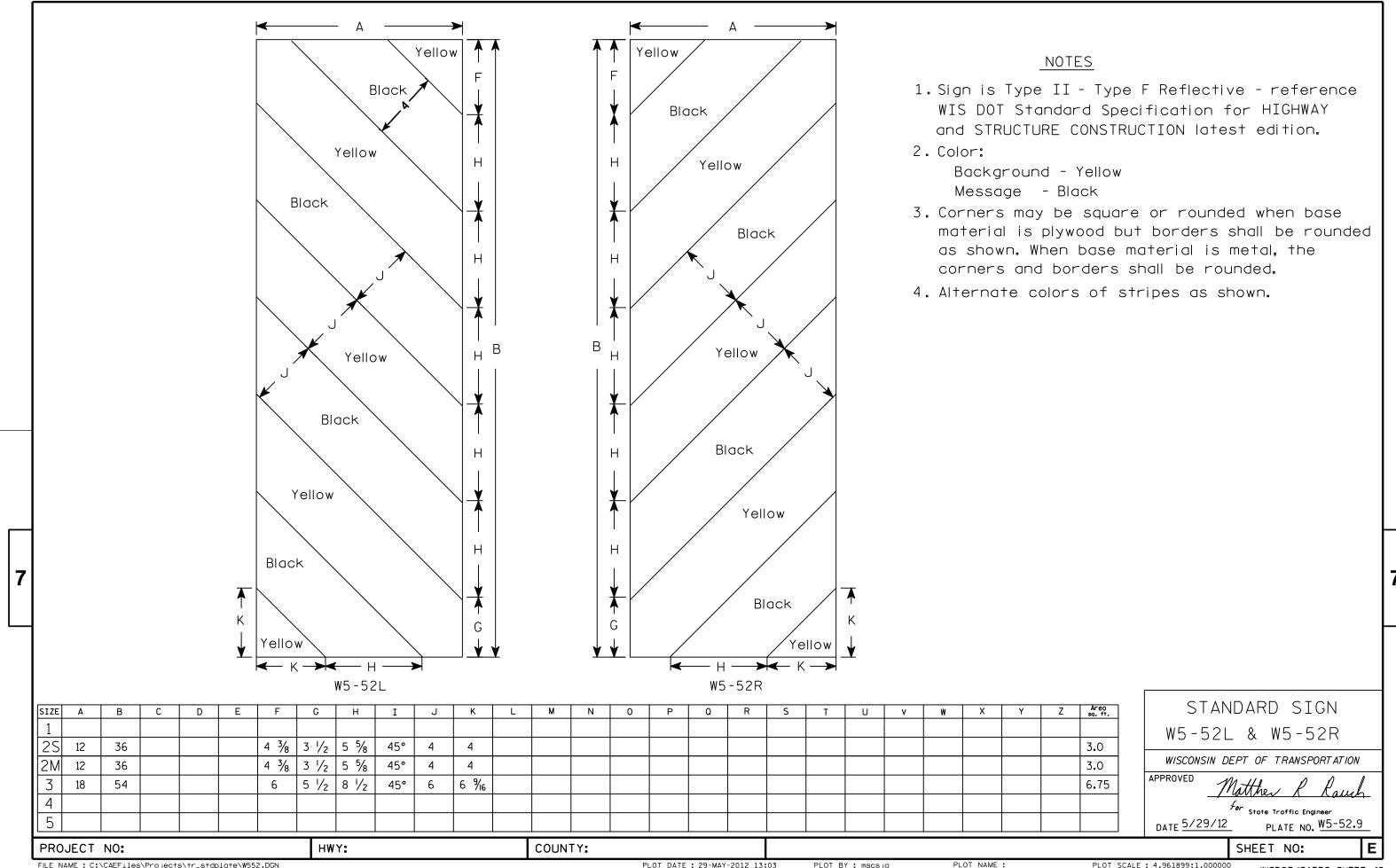
PLOT SCALE: 101.303739:1.000000

WISDOT/CADDS SHEET 42

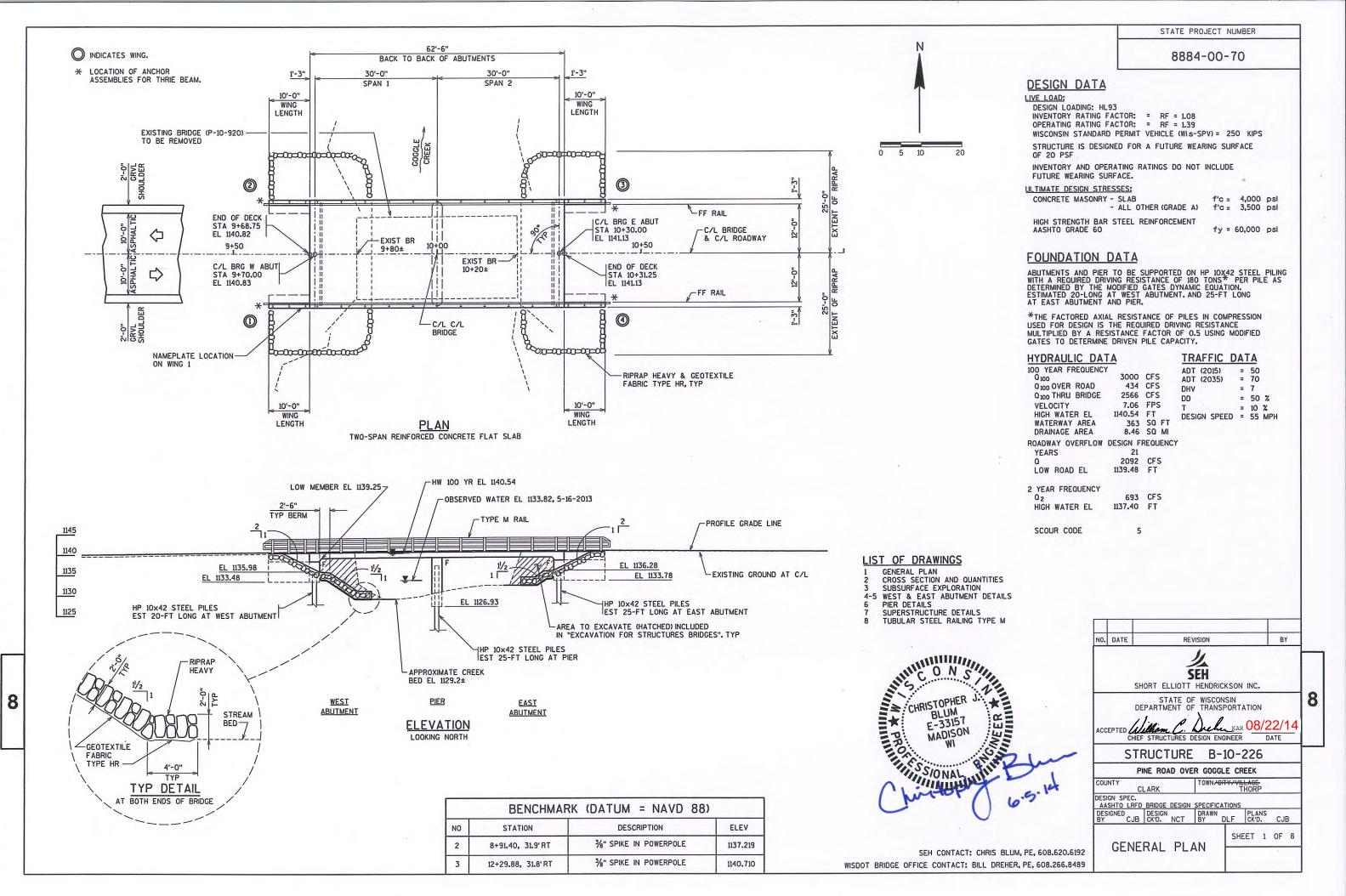
measured from the flow line.



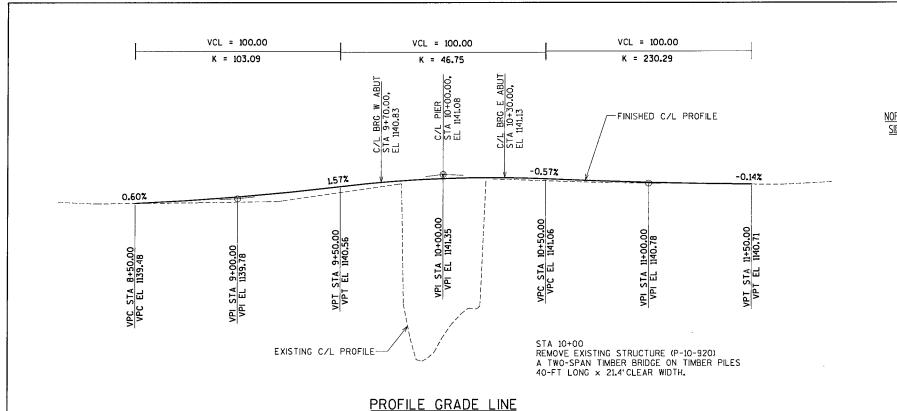












C/L BRIDGE & C/L ROADWAY SOUTH SIDE 26'-6" OUT TO OUT 12'-0" 12'-0" RAILING TUBULAR
TYPE M, TYP -POINT ON PROFILE GRADE 0.02 FT/FT 0.02 FT/FT -2'-6" WIDE SOLID SHAFT PILE ENCASED PIER 1'-4" MIN SLAB -SYMMETRICAL ABOUT C/L BRIDGE

> CROSS SECTION THRU BRIDGE (LOOKING EAST)

TOTAL ESTIMATED QUANTITIES - B-10-226

	BID ITEM NUMBER	BID ITEMS	UNIT	WEST ABUT	EAST ABUT	PIER	SUPER	TOTALS
Ī	203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS (STATION) 10+00	LS	-	-	-	-	1
Ī	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-10-226	LS	-	-	-	-	1
Ī	210.0100	BACKFILL STRUCTURE	CY	60	60	-	-	120
Ī	502.0100	CONCRETE MASONRY BRIDGES	CY	2 7	27	30	-	170
Ī	502.3200	PROTECTIVE SURFACE TREATMENT	SY	-	-	-	225	225
Ī	505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	1,465	1,465	1,380	-	4,310
Ī	505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	1,390	1,390	50	18,700	21,530
Ī	513.4060	RAILING TUBULAR TYPE M B-10-226	LS	-	-	-	1	1
Ī	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	8	8	-	-	16
Ī	550.1100	PILING STEEL HP 10-INCH x 42 LB	LF	80	150	100	-	330
	606.0300	RIPRAP HEAVY	CY	80	50	-	-	130
1	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	30	30	-	-	60
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	50	50	-	-	100
	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	145	90	-	-	235
ŀ		NON-BID ITEMS						
[FILLER	SIZE					1/2 & 3/4
L					<u> </u>			

1 INCLUDES RODENT SHIELD PER SDD 8F6-4.

GENERAL NOTES

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

SEE ROADWAY PLANS FOR EXISTING UTILITY LOCATIONS.

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

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE FABRIC TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENTS DETAILS.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF V_2 " FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER (1" DEEP & HOLD V_8 " BELOW SURFACE OF CONCRETE).

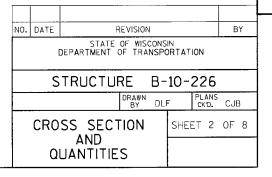
THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

AT ABUTMENTS, ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL UNLESS OTHERWISE NOTED.

FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION :M153 TYPE 1, 2, OR 3 OR AASHTO DESIGNATION :M213.

COAT WITH "PROTECTIVE SURFACE TREATMENT" PER THE STANDARD SPECIFICATIONS AND THE SUPERSTRUCTURE DETAILS SHEET.

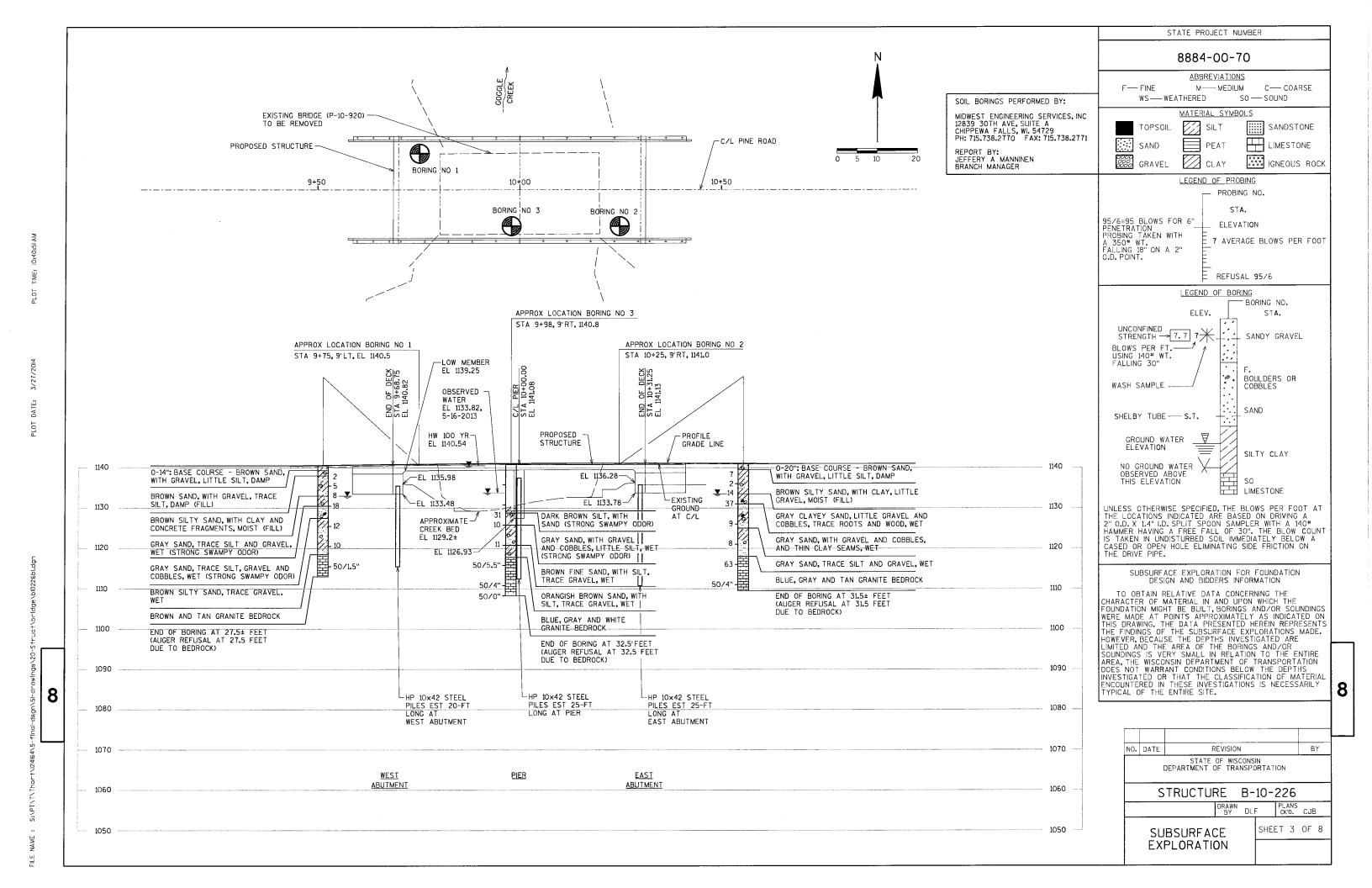
FOR EXISTING STRUCTURE SEE PROFILE GRADE LINE THIS SHEET.

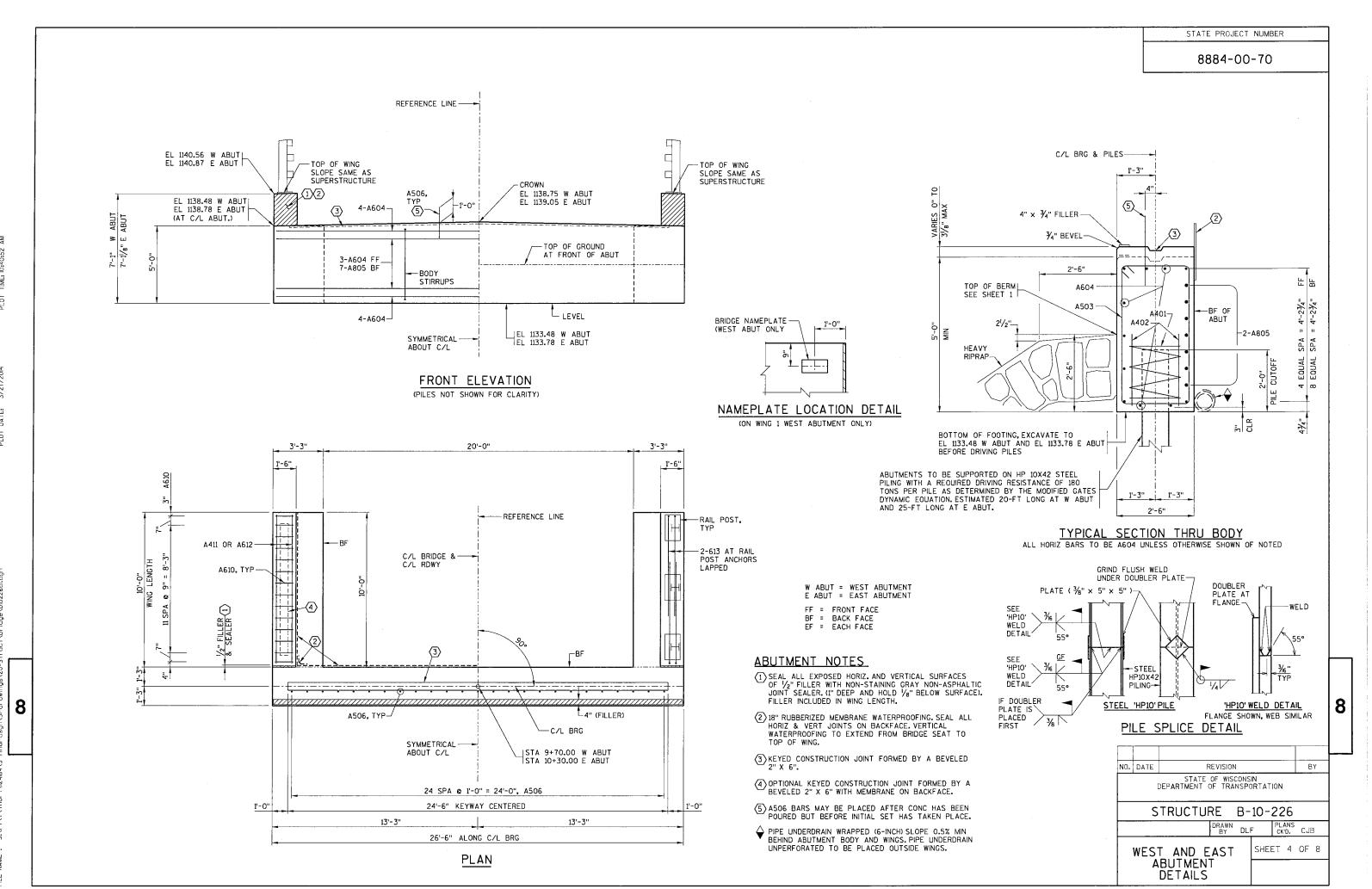


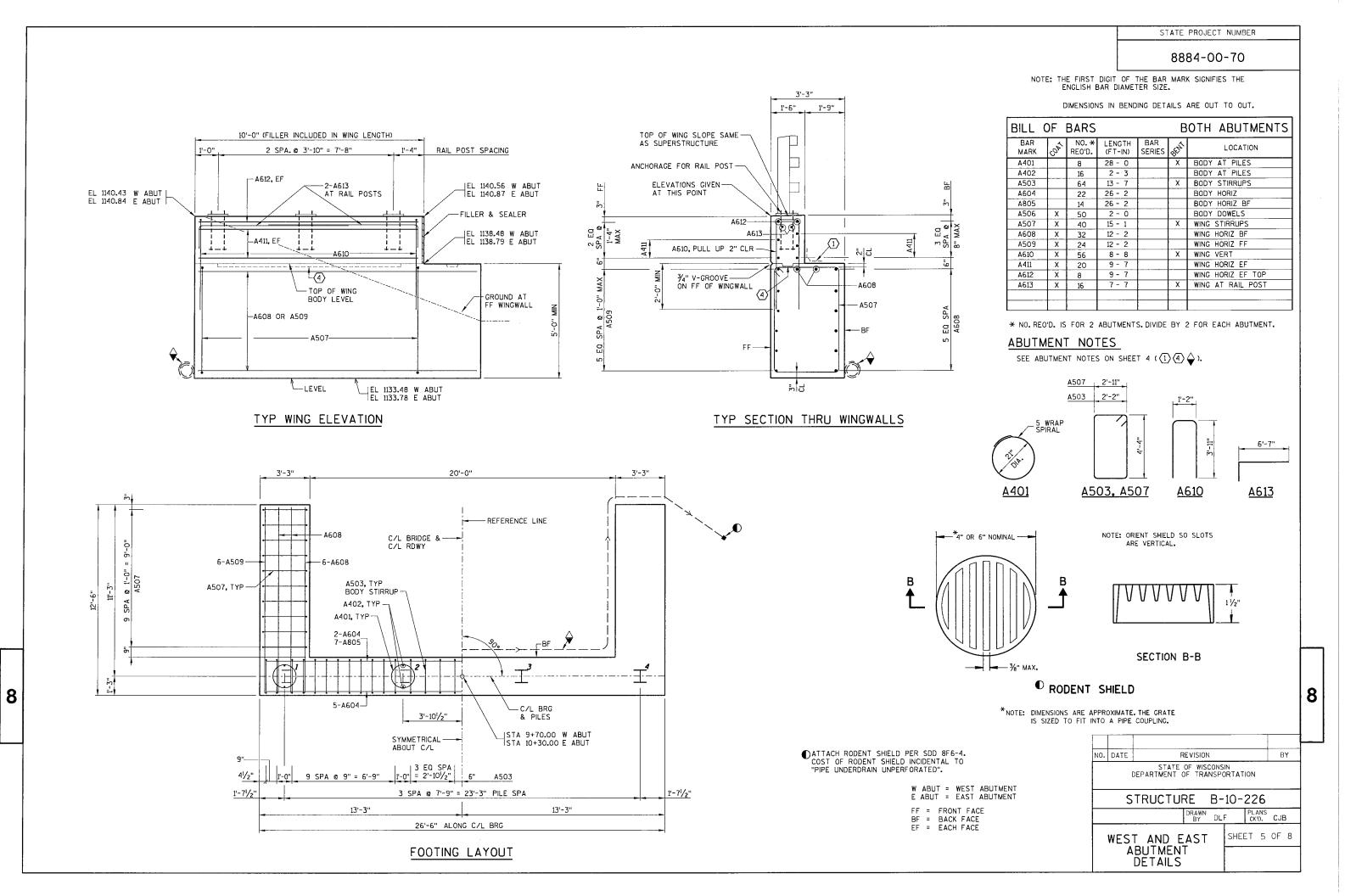
8

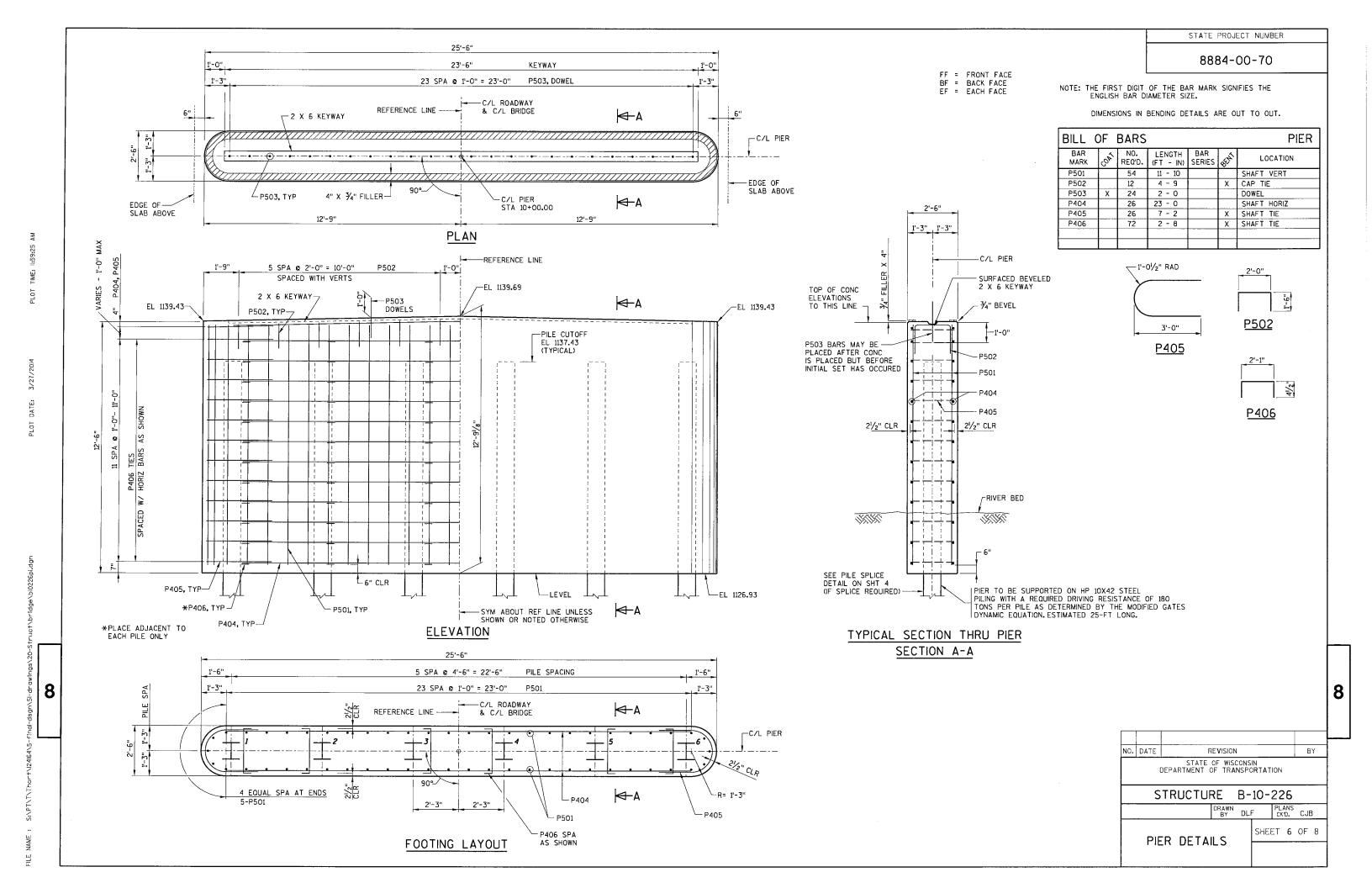
STATE PROJECT NUMBER

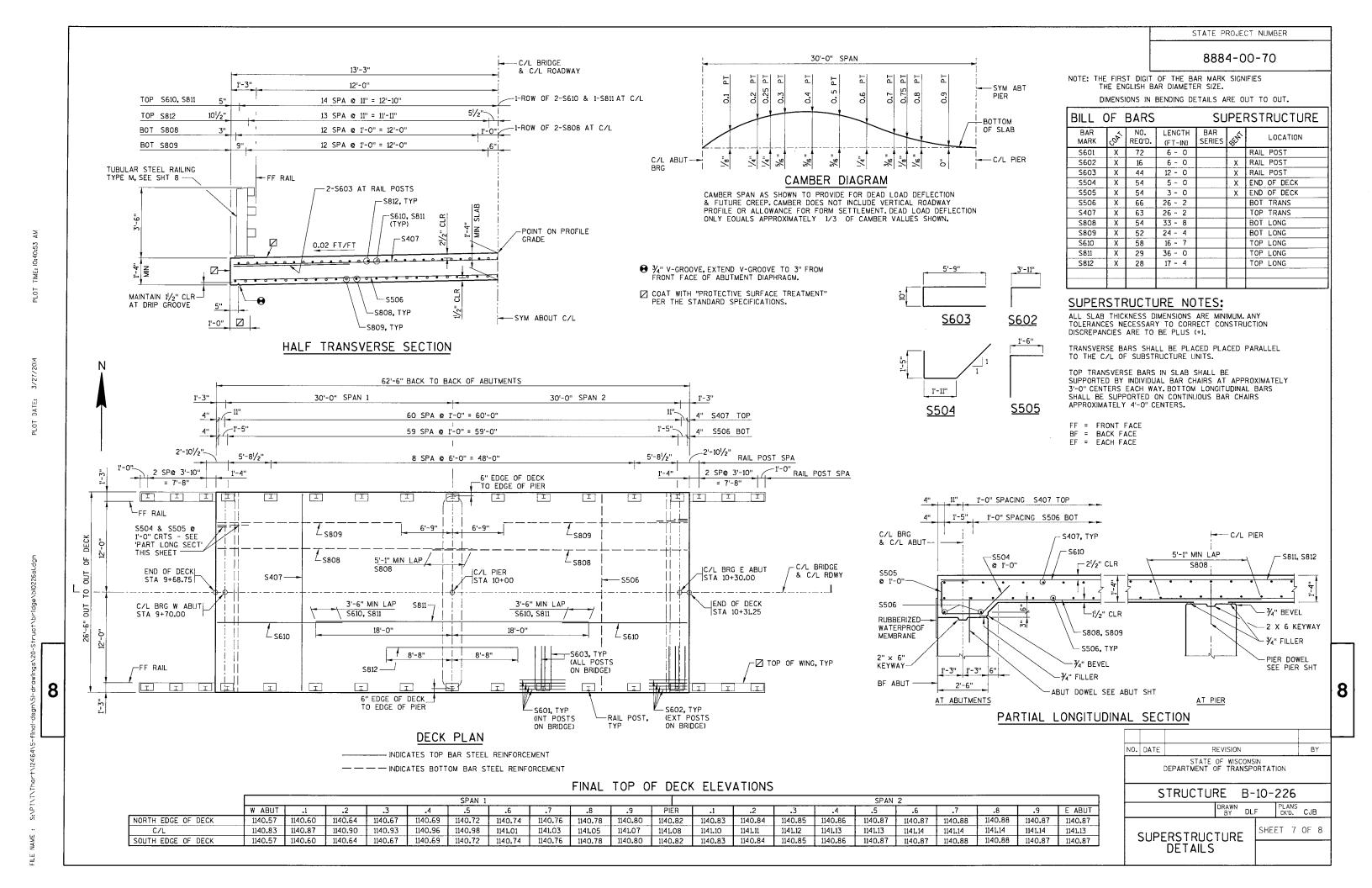
8884-00-70













1' -3"

(6)

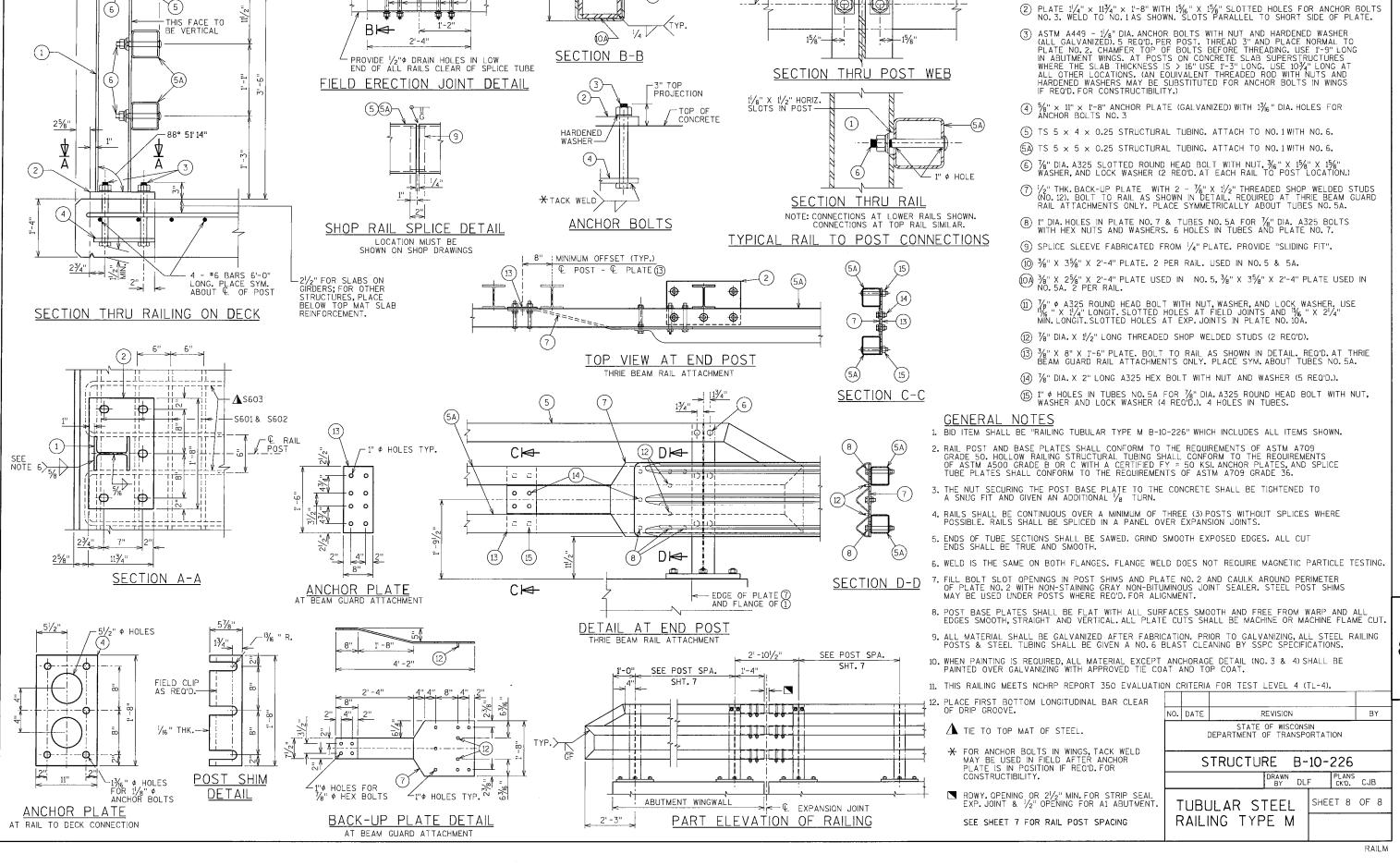


STATE PROJECT NUMBER

8884-00-70

 $\stackrel{(1)}{=}$ W6 x 25 WITH 11/8" X 11/2" HORIZ. SLOTS ON EACH SIDE OF POST FOR BOLT NO. 6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE

POST VERTICAL. PLACE POSTS NORMAL TO GRADE LINE.



→ ½" AT FIELD JTS.

— € RAIL POST

LEGEND

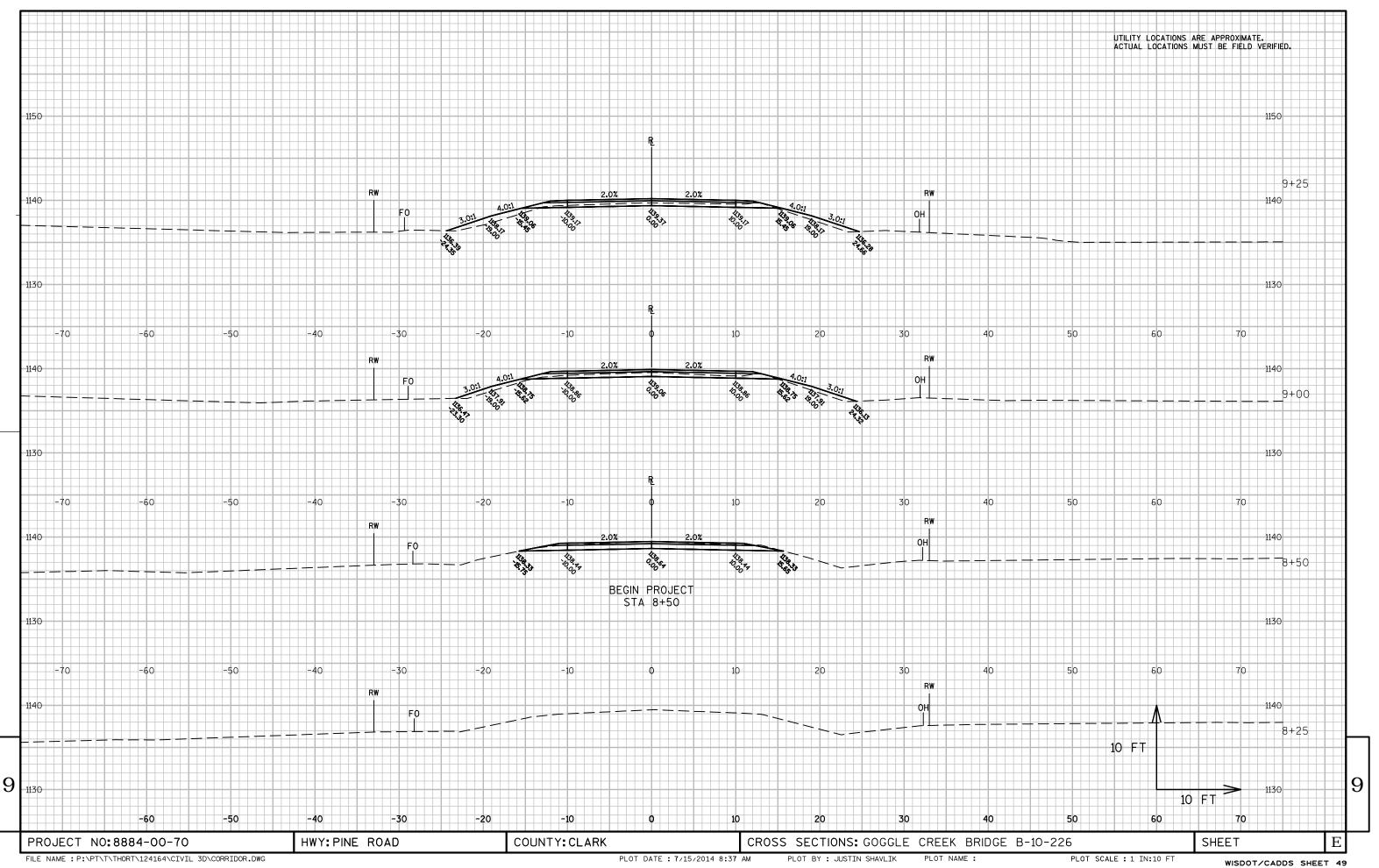
Station	Real Station		AREA (SF)		Incremental Vol (CY) (Ur	nadjusted)	Cumulati	ve Vol (CY)	
		Distance	Cut	Fill	Cut Note 1	Fill Note 2	Cut 1.00 Note 1	Expanded Fill 1.30 Note 3	Mass Ordinate
8+49	849.00	0	0	0	0	0	0	0	0
08+50	850.00	1	20	0	0	0	0	0	0
09+00	900.00	50	11	7	29	6	29	8	21
09+25	925.00	25	9	10	10	8	39	19	20
09+50	950.00	1	12	8	0	0	40	19	20
9+68.75	968.75	19	27	15	14	8	53	19 29	24
9+69	969.00	2	0	0	1	1 1	54	29	25
10+31	1031.00	0	0	0	0	0	54	29	25
10+31.25	1031.25	0	28	39	0	ror	54	29 30	24
10+50	1050.00	2	14	39	2	3 1	56	33	22
10+75	1075.00	25	10	27	11	31	67	73	-6
11+00	1100.00	25	11	18	10	21	77	100	20 20 24 25 25 24 22 -6 -24
11+50	1,150.00	50	14	0	23	17	100	122	-22
11+51	1,151.00	1	0	0	0	101	100	122	-22

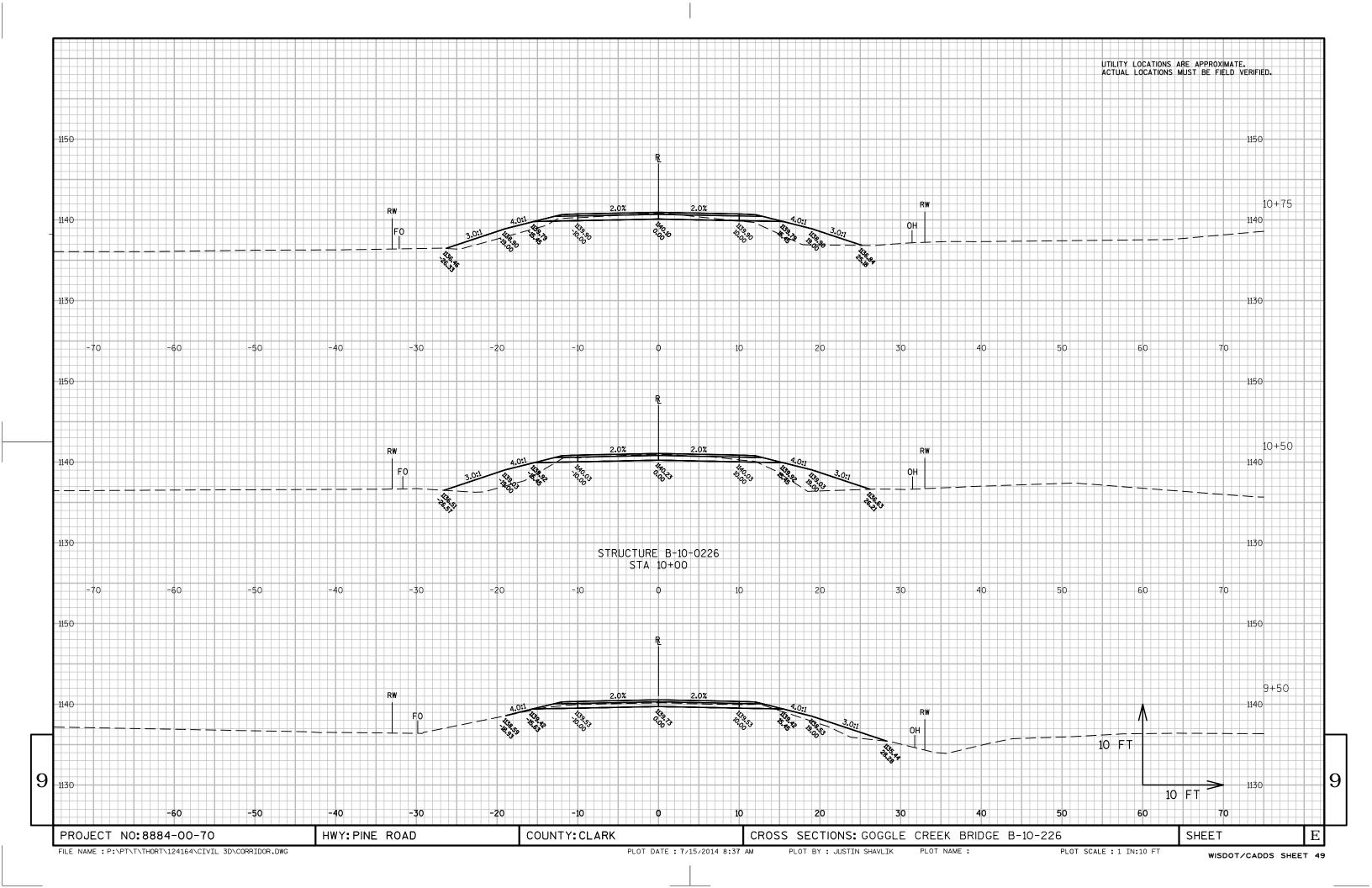
Notes:

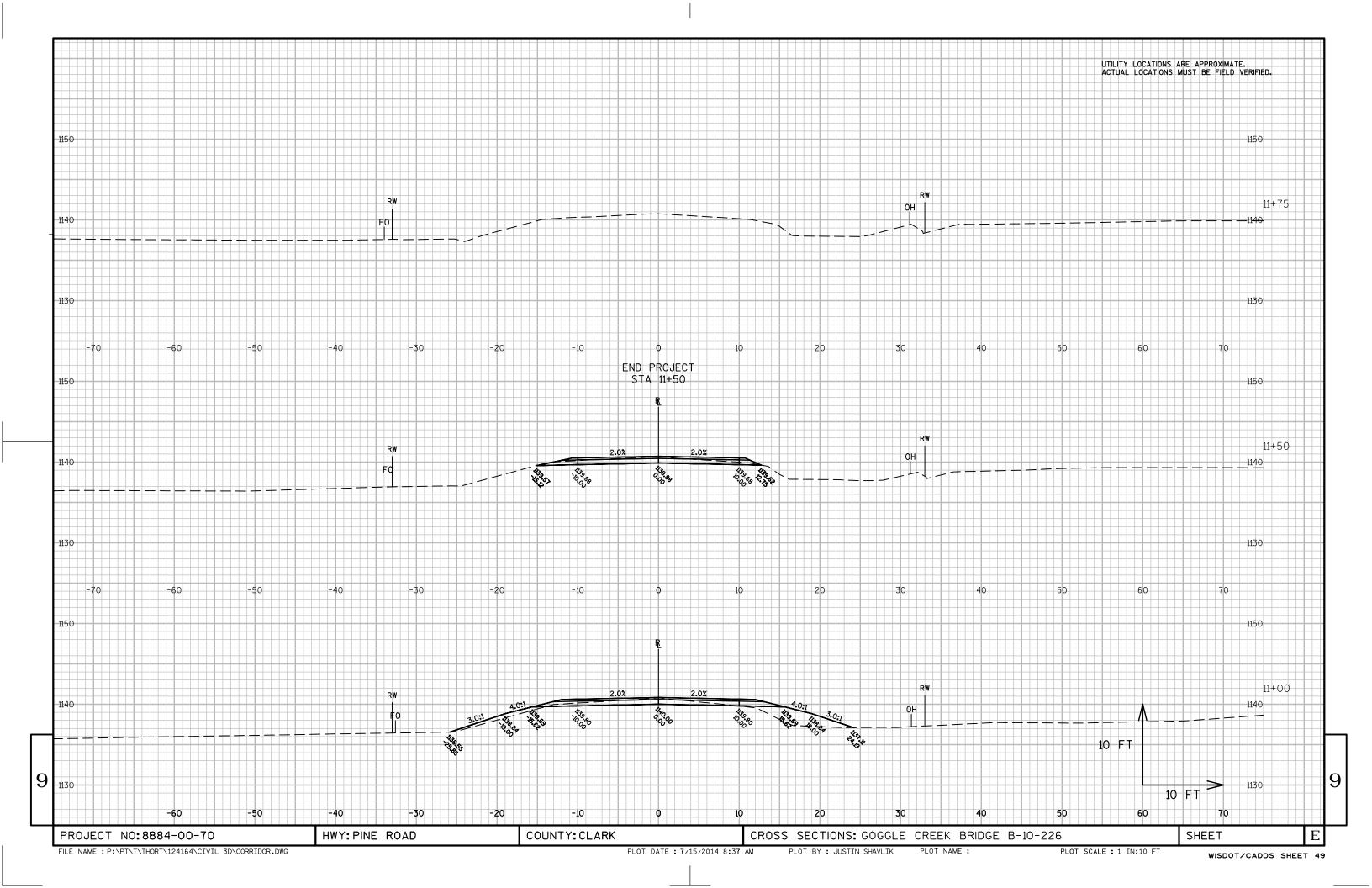
Salvaged/Unusable Pavement Material is included in Cut.
 Does not include Unusable Pavement Excavation volume.
 Will be backfilled with Cut or Borrow.
 Plus quantity indicates an excess of material. Minus indicates a shortage of material.

COUNTY: CLARK HWY: PINE ROAD SHEET PROJECT NO:8884-00-70 EARTHWORK TABULATIONS

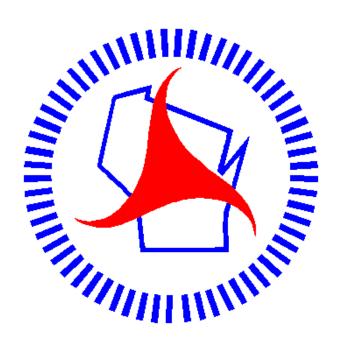
FILE NAME : P:\PT\T\THORT\124164\CIVIL 3D\090101_EW.DWG







Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov