ΝL	APRIL 2016 ORDER OF SHEETS
ם סט וברד וס.	Sheet No. 1 Title Sheet No. 2 Typical Sections, Details & Erosion Sheet No. 3 Estimate of Quantities Sheet No. 4 Right of Way Plat Sheet No. 5 Plan and Profile Sheet No. 6 Standard Detail Drawings Sheet No. 7 Sign Plates Sheet No. 8 Structure Plans Sheet No. 9 Computer Earthwork Data Sheet No. 9 Cross—Sections TOTAL SHEETS = 34
5388_00_73	PROJECT LOCATION
- 1	DECICAL DECICALATION

STATE OF WISCONSIN Control Plan

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

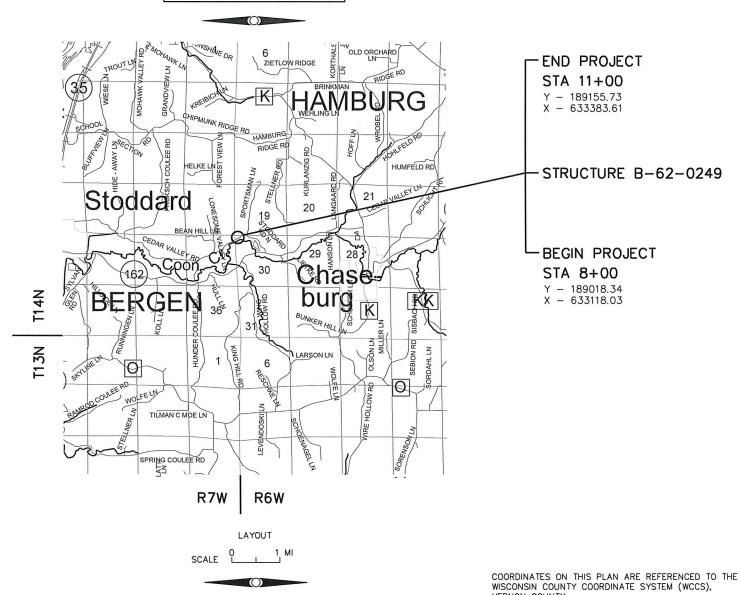
TOWN OF HAMBURG, NORTH STODDARD ROAD

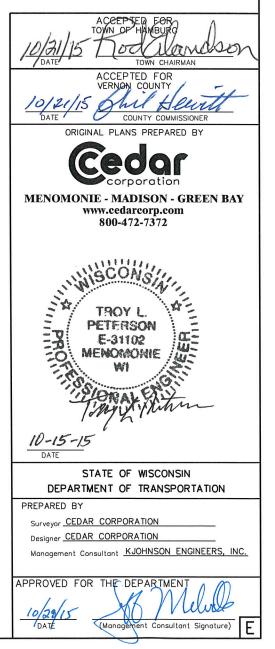
(BRANCH COON CREEK BRIDGE B-62-0249)

TOWN ROAD **VERNON COUNTY**

STATE PROJECT NUMBER 5388-00-72

TOTAL NET LENGTH OF CENTERLINE = 0.057 MI





FEDERAL PROJECT

CONTRACT

1

PROJECT

WISC 2016086

STATE PROJECT

5388-00-72

.....

1//////.

CAUTION

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

ELECTRIC

GAS

GRADE ELEVATION

OVERHEAD LINES

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER

TELEPHONE

POWER POLE

WATER

FIBER OPTIC

CULVERT (Profile View)

MARSH OR ROCK PROFILE

(To be noted as such)

DESIGN DESIGNATION

(2016) = < 100AADT (2036) = < 100DHV (2036) = 3= 50/50T (% OF ADT) = 10%DESIGN SPEED = < 25 MPH = NA

CONVENTIONAL SYMBOLS

PLAN

FENCE

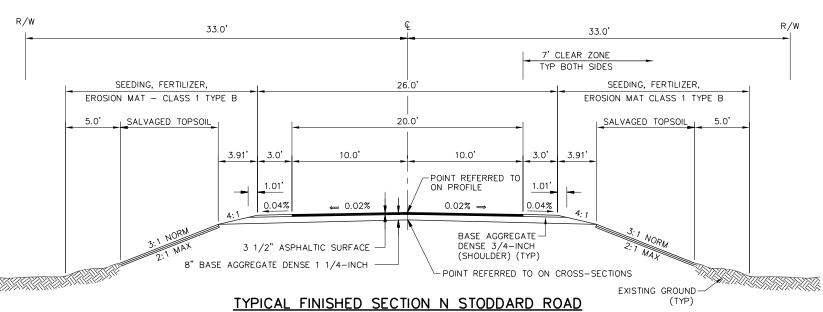
CORPORATE LIMITS

RIPRAP PROPERTY LINE LOT LINE 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 HIGH VOLTAGE MARSH AREA WOODED OR SHRUB AREA RIGHT-OF-WAY MARKERS

_ ROCK_

_ LABEL _ _ _

EXISTING TYPICAL SECTION N STODDARD ROAD



STA 8+00 - STA 9+76.56 STA 10+19.44 - STA 11+00

DNR LIAISON

DNR SERVICE CENTER 3550 MORMON COULEE ROAD LA CROSSE, WI 54601 (608) 785-9115 KARÉN KALVELAGE karen.kalvelage@wisconsin.gov

DESIGN CONSULTANT

CEDAR CORPORATION 604 WILSON AVENUE MENOMONIE, WI 54751 (715) 235-9081 troy.peterson@cedarcorp.com

VERNON COUNTY

VERNON CO. HIGHWAY DEPARTMENT 602 NORTH MAIN STREET VIROQUA, WI 54665 (608) 637-5452 PHIL HEWITT phil.heweitt@vernoncounty.org

TOWN OF HAMBURG

HAMBURG TOWN HALL S1631A CTY HWY K CHASEBURG, WI 54621 (608) 452 - 3280ROD FRI ANDSON hamburg@mwt.net

UTILITIES

VERNON ELECTRIC COOPERATIVE 110 SAUGSTAD ROAD WESTBY, WI 54667 (608) 634-3121 CRAIG BUROS cburos@vernonelectric.org

COON VALLEY FARMERS TELEPHONE P.O. BOX 398 COON VALLEY, WI 54623 (608) 452-3101 TRAVIS FROMK & LENNY LEIS cvt@mwt.net



** DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

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

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

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS EXCAVATION COMMON. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER.

SHRINKAGE IS ESTIMATED AT 25%.

THE 3 1/2" ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 1 3/4" LOWER LAYER AND A 1 3/4" UPPER LAYER. USE 1/2" NOMINAL AGGREGATE FOR ASPHALT

BEARINGS REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), VERNON COUNTY.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE FERTILIZED AND SEEDED AS DIRECTED BY THE ENGINEER. USE SEED MIX NO. 10

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

THE BENCHMARK IS REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), VERNON COUNTY.

WETLANDS ARE PRESENT WITHIN THE PROJECT LIMITS. DO NOT OPERATE EQUIPMENT OUTSIDE THE SLOPE INTERCEPTS.

STANDARD ABBREVIATIONS

ABUT	ABUTMENT	OFF	OFFSET
\GG	AGGREGATE	PC	POINT OF CURVATURE
T AL	AND OTHERS	PI	POINT OF INTERSECTION
ADT	ANNUAL AVERAGE DAILY TRAFFIC	PT	POINT OF TANGENCY
BF.	BACK FACE	POL	POINT ON LINE
3M	BENCHMARK	PE	PRIVATE ENTRANCE
LORQ	CENTERLINE	PL	PROPERTY LINE
V OW A	CENTRAL ANGLE OR DELTA	PSI	POUNDS/SQUARE INCH
LR	CLEAR	PROP	PROPOSED INCIT
CONC	CONCRETE	R	RADIUS
CONST	CONSTRUCTION	RR	RAILROAD
OR	CORNER	REBAR	REINFORCEMENT BAR
MP	CORRUGATED METAL PIPE	REOD	REQUIRED
TH	COUNTY TRUNK HIGHWAY	RT	RIGHT
) Tr	CREEK	RHF	RIGHT-HAND FORWARD
FS	CUBIC FEET/SECOND	R/W	RIGHT-HAND FORWARD
CULV	CULVERT	RD RD	ROAD
OLV.	DEGREE OF CURVE	SEC	SECTION
) HV		S	SOUTH
)IA	DESIGN HOUR VOLUME	S SE	SOUTHEAST
	DIAMETER EAST		
iL		SW	SOUTHWEST
	ELEVATION	STH	STATE TRUNK HIGHWAY
ST	ESTIMATED	STA	STATION
PS	FEET PER SECOND	ŞE	SUPER ELEVATION
Ē	FIELD ENTRANCE	T	TANGENT
T	FOOT (FEET)	TEL	TELEPHONE
TG	FOOTING	TEMP	TEMPORARY
DN	FOUNDATION	TI -	TEMPORARY INTEREST
F	FRONT FACE	TLE	TEMPORARY LIMITED EASEMENT
<u>-</u>	IRON PIN		TRANSIT LINE
T	LEFT	T	TRUCKS
HF.	LEFT-HAND FORWARD	TYP	TYPICAL
	LENGTH OF CURVE	U/G	UNDERGROUND
F	LINEAR FOOT	USH	UNITED STATES HIGHWAY
1AX	MAXIMUM	VAR	VARIABLE
41	MILE	V	VELOCITY
IIN	MINIMUM	VPC	VERTICAL POINT OF CURVATURE
IC	NORMAL CROWN	VPI	VERTICAL POINT OF INTERSECTIO
1	NORTH	VPT	VERTICAL POINT OF TANGENCY
ΙE	NORTHEAST	W	WEST
1 W	NORTHWEST	YD	YARD
10	NUMBER		

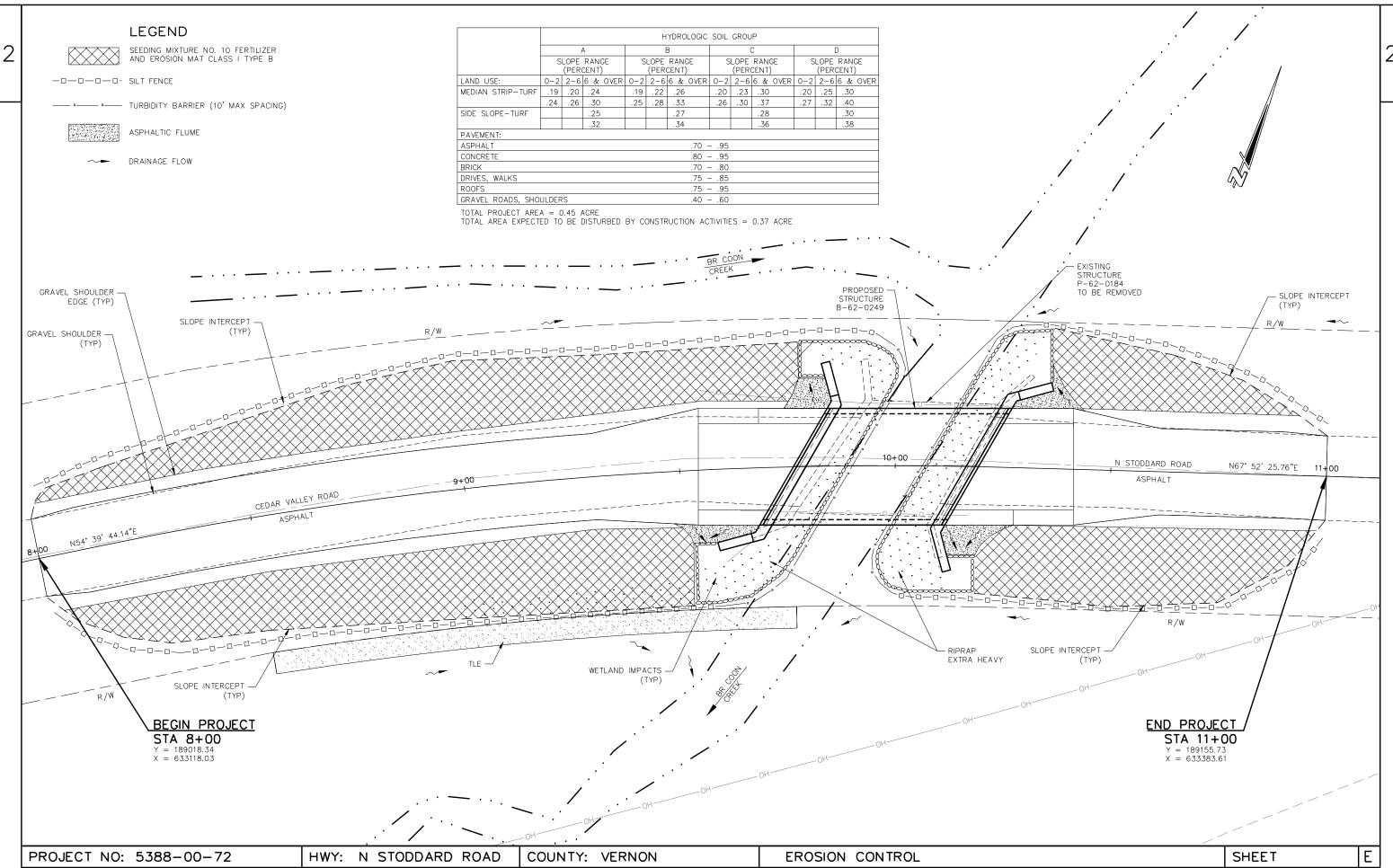
HWY: N STODDARD ROAD PROJECT NO: 5388-00-72

COUNTY: VERNON

TYPICAL SECTIONS & GENERAL NOTES

SHEET

Ε



DATE 26JAN16

0640

0650

650. 5000

650.6500

Construction Staking Base

(structure) 01. B-62-0249

Construction Staking Structure Layout

LF

LS

296.000

1.000

296.000

1.000

ESTIMATE OF QUANTITIES

DATE 26	JAN16	EST	IMAT	E OF QUANT	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	5388-00-72 QUANTI TY
0670	650. 9910	Construction Staking Supplemental Control (project) 01. 5388-00-72	LS	1. 000	1. 000
0690	650. 9920	Construction Staking Slope Stakes	LF	296. 000	296.000
0700	690. 0150	Sawing Asphal t	LF	38. 000	38. 000
0710	715. 0415	Incentive Strength Concrete Pavement	DOL	500.000	500. 000
0720	715.0502	Incentive Strength Concrete Structures	DOL	948. 000	948.000
0750	ASP. 1TOA	On-the-Job Training Apprentice at \$5.	HRS	150. 000	150. 000
0760	ASP. 1TOG	On-the-Job Training Graduate at \$5.00/HR	HRS	150. 000	150. 000

FINISHING ROADWAY

		201.0205			204.0165				213.0100
		GRUBBING	STATION - STATION	LOCATION	LF		STATION - STATION	LOCATION	EACH
STATION - STATION	LOCATION	STA.	9+64- 9+74	RT	10		8+00 - 11+00	N STODDARD RD	1
8+00 - 10+00	N STODDARD RD	2	9+56 - 9+83	LT	27	<u>-</u>	TOTAL		1
TOTAL		2	TOTAL		37	•			

DIVISION	STATIONING	LOCATION	205.0100 COMMON EXCAVATION (CY) **P**	SALVAGED / UNUSABLE PAVEMENT MATERIAL (1)	AVAILABLE MATERIAL (CY) (2)	UNEXPANDED FILL	EXPANDED FILL	MASS ORDINATE +/- (3)	208.0100 BORROW (CY)
			CUT				FACTOR 1.25		
1	8+00 - 9+77	WEST APPROACH	123	43	80	169	212	-132	132
DIVISION 1 SUBTOTAL			123	43	80	169	212	-132	132
2	10+19 - 11+00	EAST APPROACH	50	16	34	76	96	-62	62
DIVISION 2 SUBTOTAL			50	16	34	76	96	-62	62
GRAND TOTAL			173	59	114	245	308	-194	194
	TOTAL C	OMMON EXCAVATION =	173	•				-194	194

BASE AGGREGATE DENSE

		305.0120	305.0110	
		1 1/4 - INCH	3/4 - INCH	
STATION - STATION	LOCATION	TON	TON	
9+77 - 8+00	WEST APPROACH	258	23	
11+00 - 10+20	EAST APPROACH	111	8	
TOTAL		369	31	

- 1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- 2) AVAILABLE MATERIAL = CUT MINUS THE SALVAGED/UNUSABLE PAVEMENT MATERIAL
- 3) THE MASS ORDINATE = A + OR QUANTITY CALCULATED FOR THE DIVISON. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL.

ASPHALTIC SURFACE

GRUBBING

		465.0105
STATION - STATION	LOCATION	TON
8+00 - 9+54	SOUTH APPROACH	47
10+41 - 11+00	NORTH APPROACH	47
9+54 - 10+41	APPROACH SHOULDER	2
TOTAL		96

CONCRETE PAVEMENT

			APPROACH SLAB	PAVEMENT 12 INCH
			415.0410	415.0120
_	STATION - STATION	LOCATION	SY	SY
	9+54 - 9+77	WEST APPROACH	51	12
	10+19 - 10+41	EAST APPROACH	51	12
=	TOTAL		102	24

ASPHALTIC FLUMES

		465.0315
STATION - STATION	LOCATION	SY
9+70	RT	7
9+85	LT	7
10+10	RT	7
10+42	LT	7
TOTAL		28

		624.0100
PROJECT	LOCATION	MGAL
5388-00-72	N STODDARD RD	5.81
TOTAL		5.81

RESTORATION ITEMS

			625.0100	629.0210	630.0110
			SALVAGED	FERTILIZER	SEEDING MIXTURE
			TOPSOIL	TYPE B	NO. 10
	STATION - STATION	LOCATION	SY	CWT	LB
	8+00 - 9+77	RT	337	0.20	11
	8+00 - 9+77	LT	301	0.24	12
	10+20 - 11+00	RT	154	0.11	6
	10+20 - 11+00	LT	115	0.09	5
	UNDISTRIBUTED				
•	TOTAL		907	0.64	34

SIGNING QUANTITIES

	637.2230	634.0612	638.2602	638.3000	
	SIGNS TYPE II	POSTS WOOD	REMOVING SIGNS	REMOVING SMALL	
	REFLECTIVE F	4X6-INCH X 12-FT	TYPE II	SIGN SUPPORTS	
LOCATION	SF	EACH	EACH	EACH	DESCRIPTION
NW BRIDGE CORNER	3.00	1	1	1	W5-52 L
SW BRIDGE CORNER	3.00	1	1	1	W5-52 R
NE BRIDGE CORNER	3.00	1	1	1	W5-52 R
SE BRIDGE CORNER	3.00	1	1	1	W5-52 L
8+85 RT			1	1	
10+45 LT			1	1	
TOTAL	12.00	4	6	6	

EROSION CONTROL ITEMS

				628.1520	628.6005	628.2004
			628.1504	SILT FENCE	TURBIDITY	EROSION MAT
			SILT FENCE	MAINTENANCE	BARRIER	CLASS I TYPE B
_	STATION - STATION	LOCATION	LF	LF	SY	SY
	8+00 - 9+77	WEST APPROACH	443			470
	10+20 - 11+00	EAST APPROACH	240			203
_	8+00 - 11+00	RT/LT		883		
	UNDISTRIBUTED				113	
-	TOTAL		683	883	113	673

TRAFFIC CONTROL

		643.0900	643.0100	643.0420	643.0705
		TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL
		SIGNS	5388-00-72	BARRICADES TYPE III	WARNING LIGHTS TYPE A
_	LOCATION	DAY	EACH	EACH	EACH
	N STODDARD RD	742	1	848	1272
-	TOTAL	742	1	848	1272

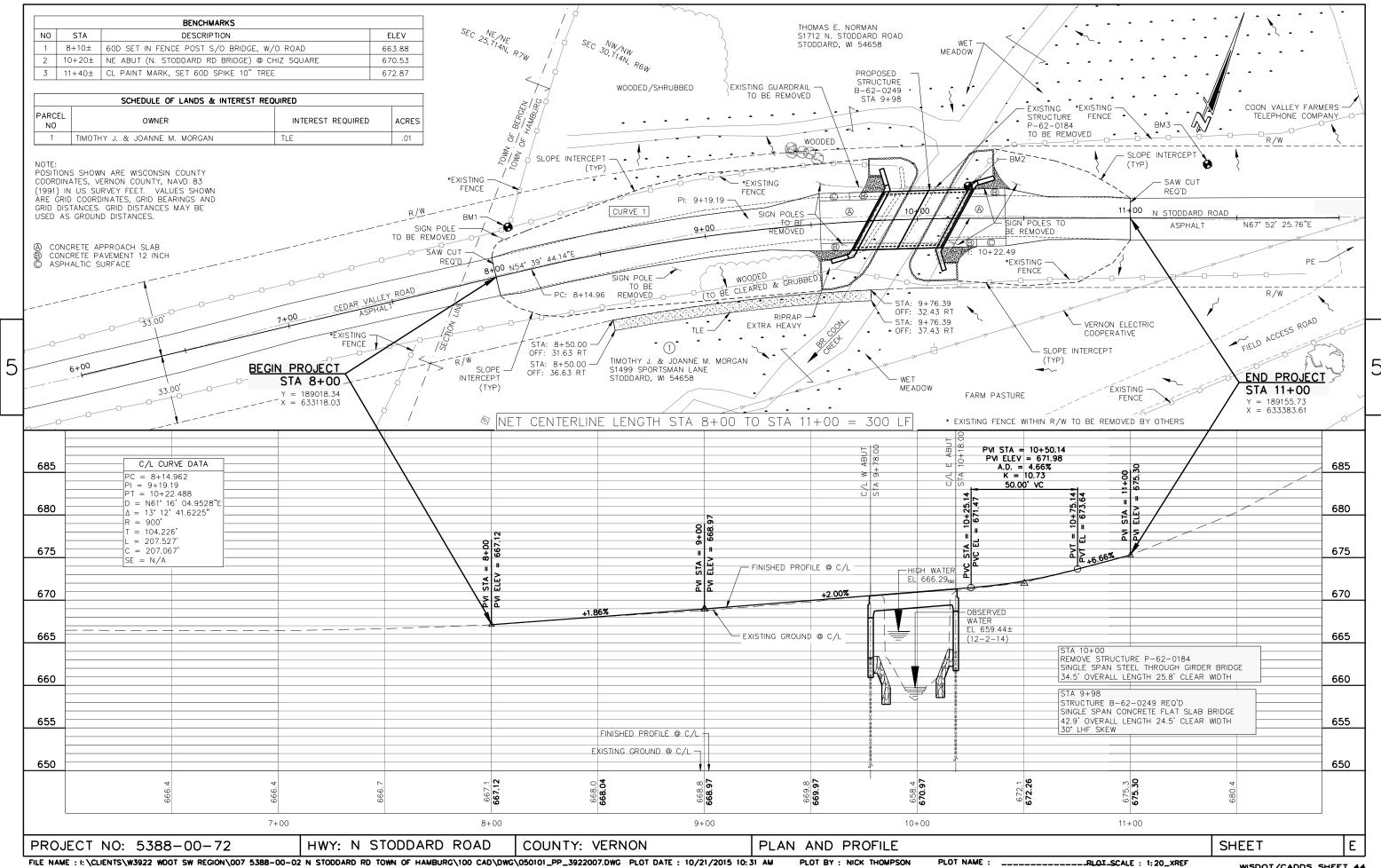
CONSTRUCTION STAKING

		650.4500	650.5000	650.9920
		SUBGRADE	BASE	SLOPE STAKES
STATION - STATION	LOCATION	LF	LF	LF
8+00 - 11+00	N STODDARD RD	296	296	296
TOTAL		296	296	296

SAWING ASPHALT

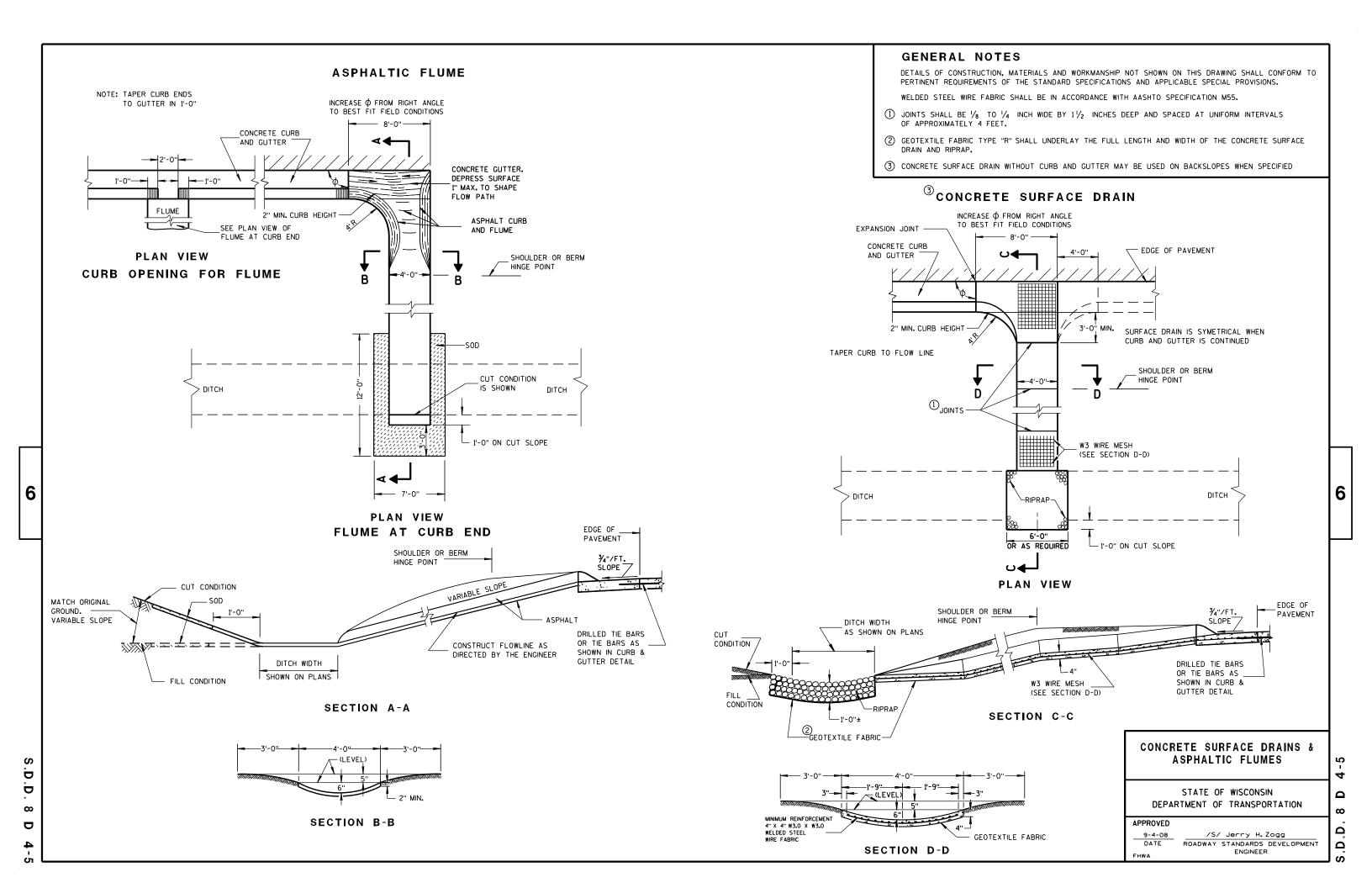
)	650.9920			690.0150
,		STATION	LOCATION	LF
	SLOPE STAKES			
	LF	8+00	BEGIN PROJECT	18
	296	11+00	END PROJECT	20
		TOTAL		20
	296	TOTAL		38

PROJECT NO: 5388-00-72 HWY: N STODDARD ROAD COUNTY: VERNON MISCELLANEOUS QUANTITIES SHEET **E**



Standard Detail Drawing List

08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E09-06	SILT FENCE
08E11-02	TURBI DI TY BARRI ER
I2A03-10	NAME PLATE (STRUCTURES)
I3B02-08A	CONCRETE PAVEMENT APPROACH SLAB
I5C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES



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)



SILT FENCE

S.D.D. 8 E 9-6

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GENERAL NOTES

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

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

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





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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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

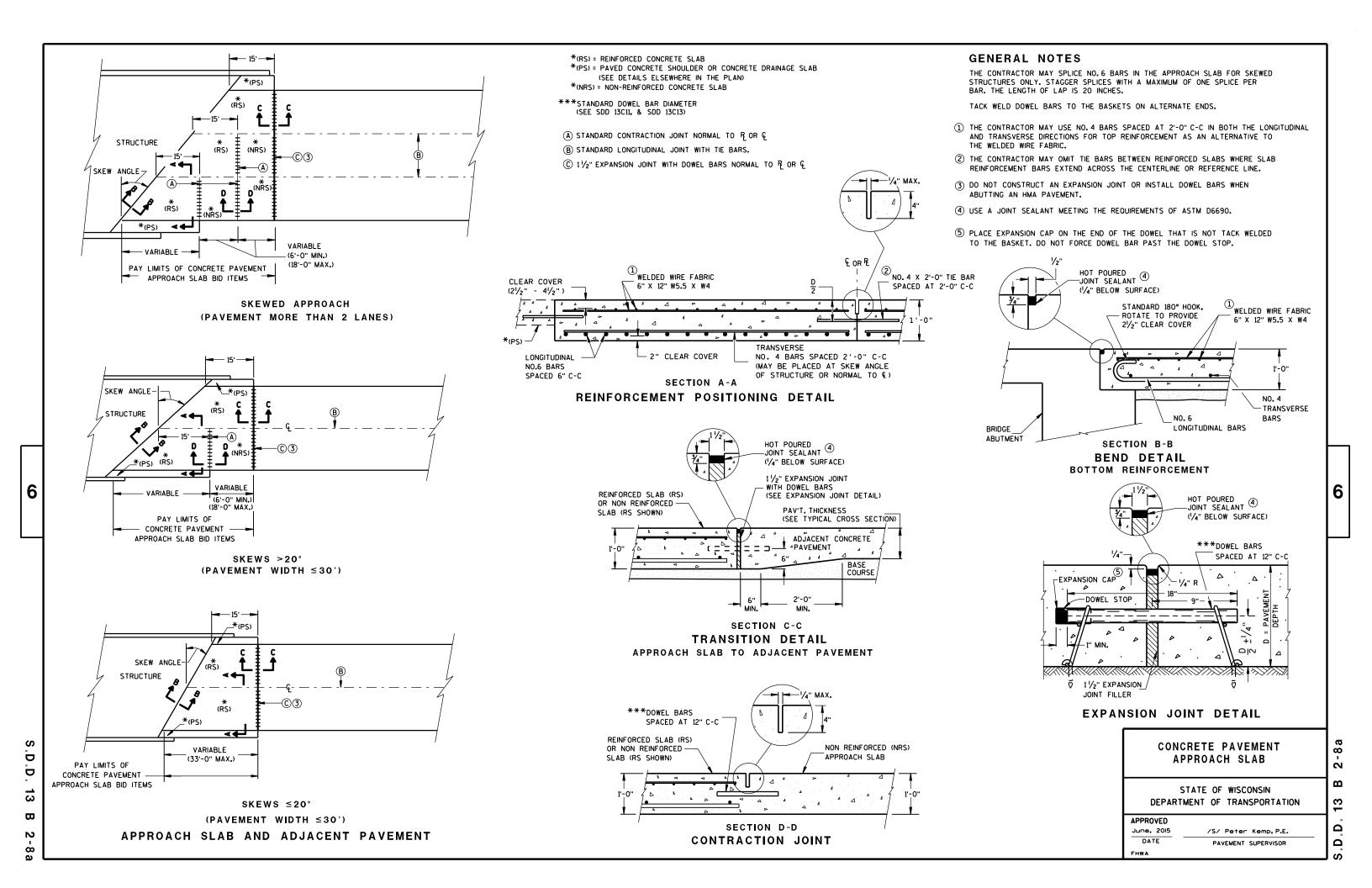
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3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.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

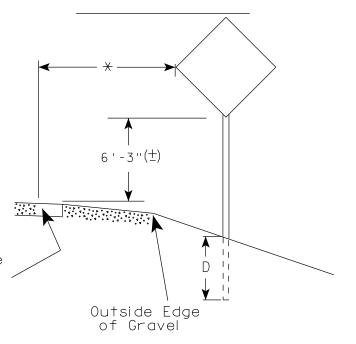
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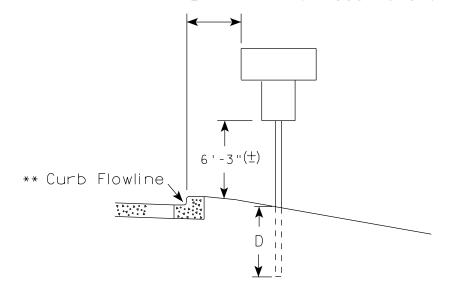
URBAN ARFA

2' Min - 4' Max (See Note 6) 7'-3"(士) ** Curb Flowline. White Edgeline Location

RURAL AREA (See Note 2)



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



5'-3"(生) A POLICE AND A POL D^{-1} Outside Edae of Gravel

White Edgeline Location

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated.

HWY:

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 DATE: 12-NOV-2014 14:03

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (\pm).
- 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 signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (\pm).

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 11/12/14

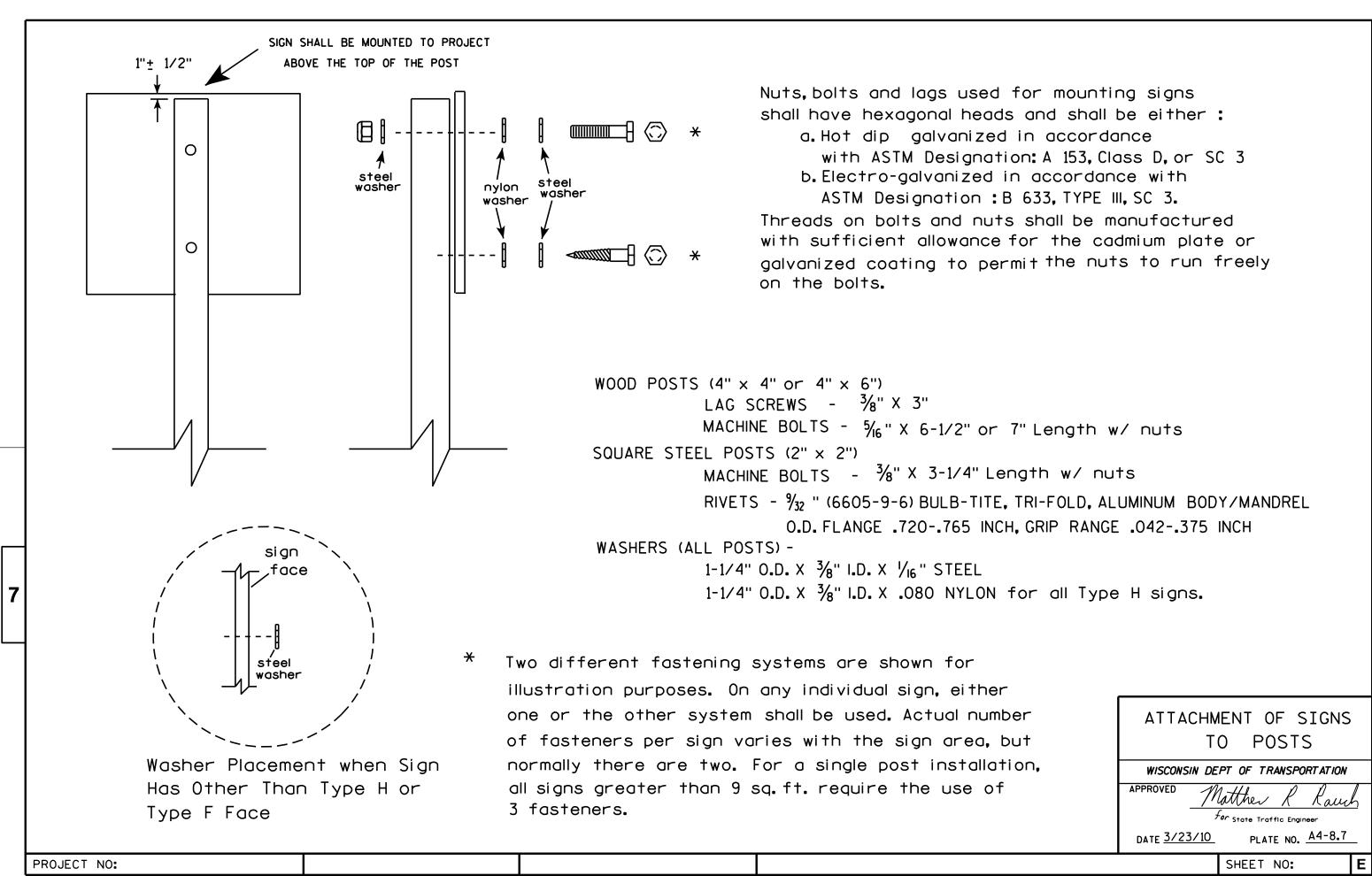
PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43.DGN COUNTY:

PLOT BY: mscsja

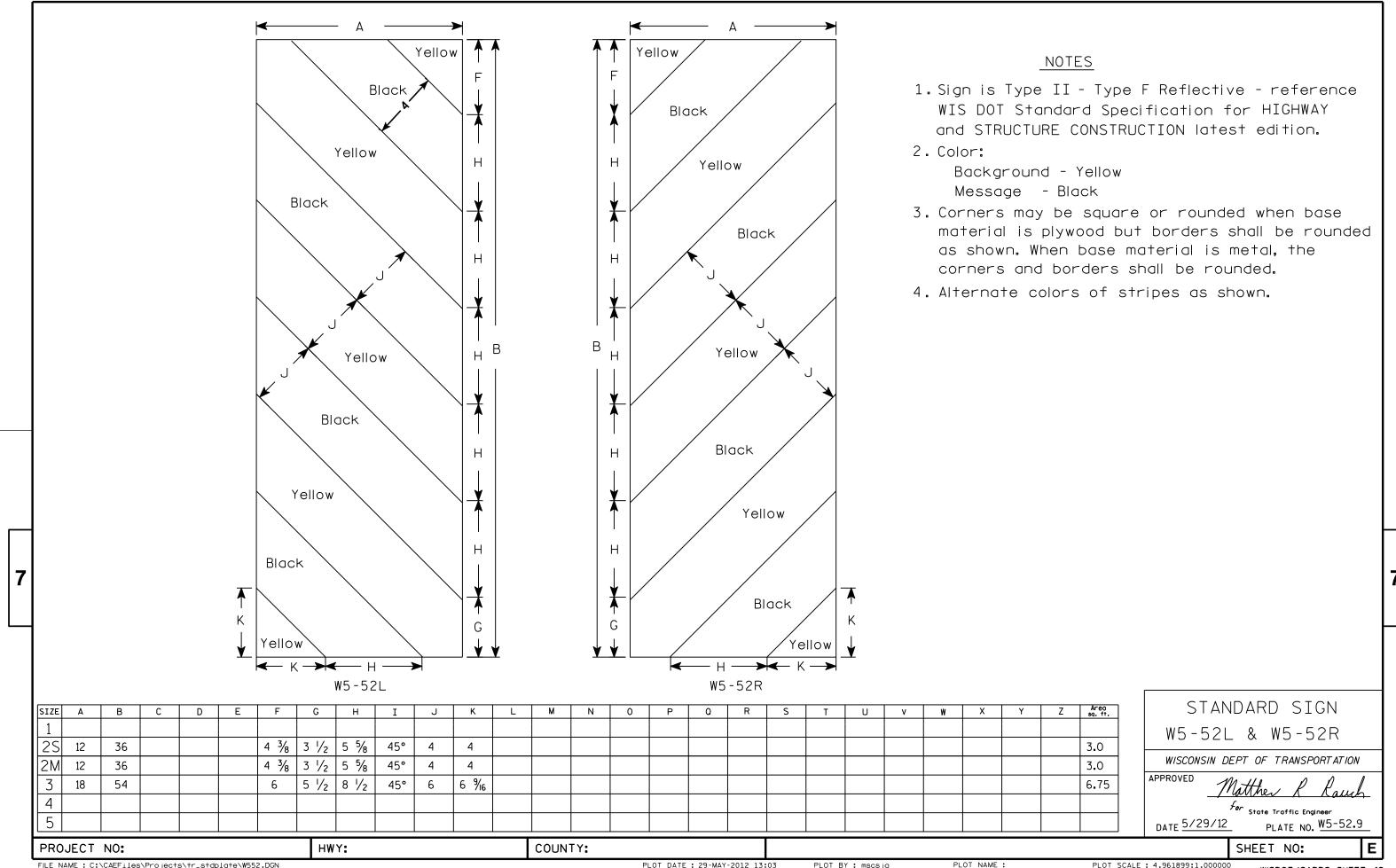
PLOT NAME :

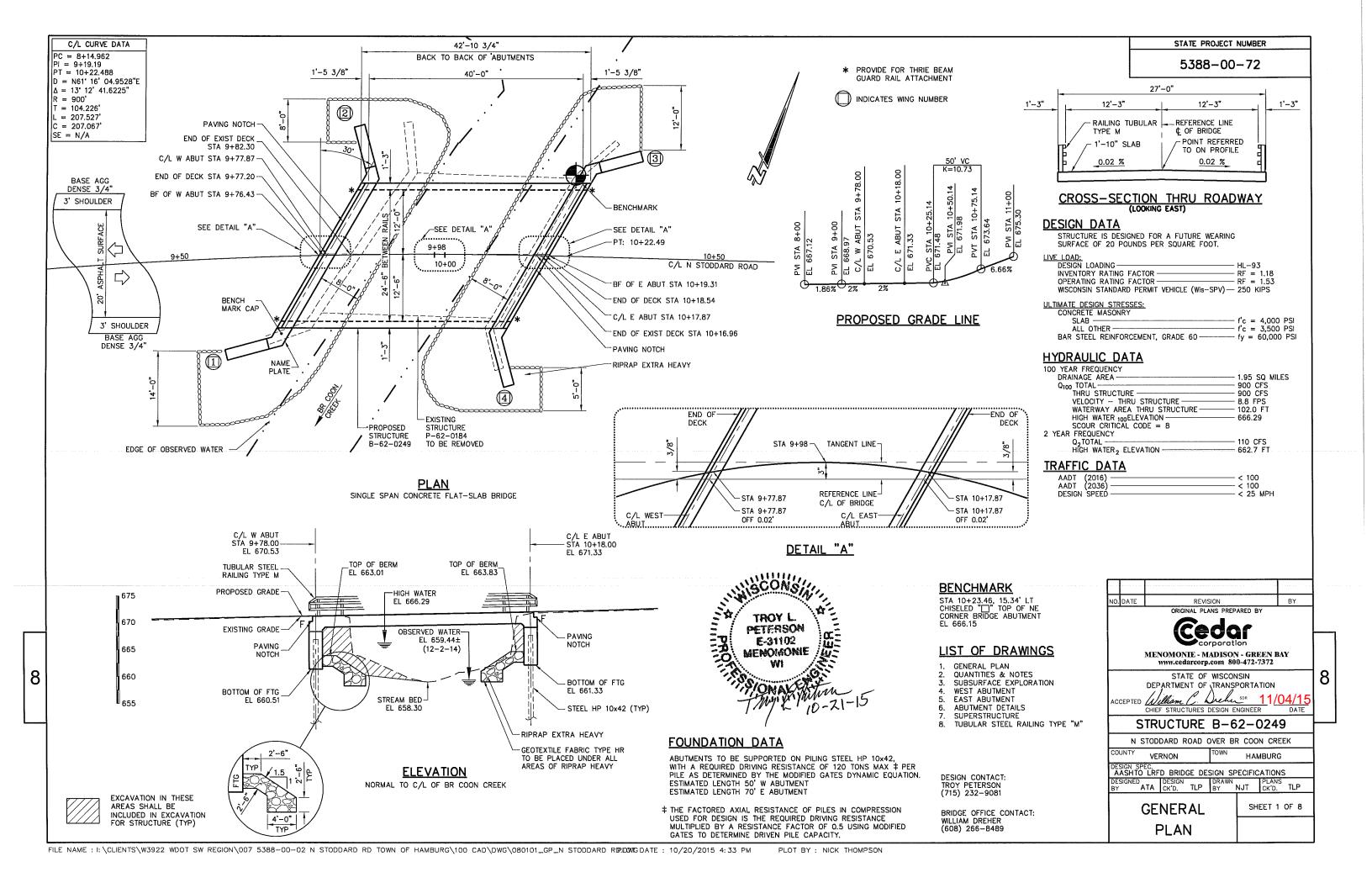
WISDOT/CADDS SHEET 42

PLOT SCALE: 99.237937:1.000000









TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	W ABUT	E ABUT	SUPER	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA 10+00	LS				1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-62-0249	LS				1
210.0100	BACKFILL STRUCTURE	CY	150	150		300
502.0100	CONCRETE MASONRY BRIDGES	CY	38.1	38.0	81.9	158.0
502.3200	PROTECTIVE SURFACE TREATMENT	SY			150	150
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2440	2440		4880
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1480	1480	15440	18400
550.1100	PILING STEEL HP 10-INCH x 42 LB	LF	350	490		840
513.4061	RAILING TUBULAR TYPE M (B-62-0249)	LF			78	78
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	6	6		12
606.0400	RIPRAP EXTRA HEAVY	CY	85	95		180
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	90	90		180
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	135	145		280
						-
	NON-BID ITEMS					

PLATE 3/8 " x 5" x 5" DOUBLER PLATE AT FLANGE WELD DETAIL , -GRIND FLUSH WELD UNDER DOUBLER PLATE WELD SFF HP STEEL "HP" WELD DETAIL - PILING -1/4"/ 3/16" HP 10 x 42 IF DOUBLER PLATE IS 3/8" STEEL HP PILING <u>HP WELD DETAIL</u> FLANGE SHOWN, WEB SIMILAR PLACED FIRST

PILE SPLICE DETAILS

STATE PROJECT NUMBER

5388-00-72

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

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

ALL REINFORCING BARS ARE ENGLISH. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

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

STEEL 'HP' PILE MATERIAL SHALL BE A.S.T.M. DESIGNATION A36.

THE EXISTING STRUCTURE (P-62-0184) IS A 34.5' LONG BY 25.8' CLEAR WIDTH SINGLE SPAN STEEL DECK GIRDER BRIDGE.

THE PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP AND EDGES OF THE SLAB AND TO THE OUTSIDE 1'-0" OF THE UNDERSIDE OF THE SLAB.

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

THE GRADATION OF THE BACKFILL STRUCTURE SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

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.

REVISION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-62-0249

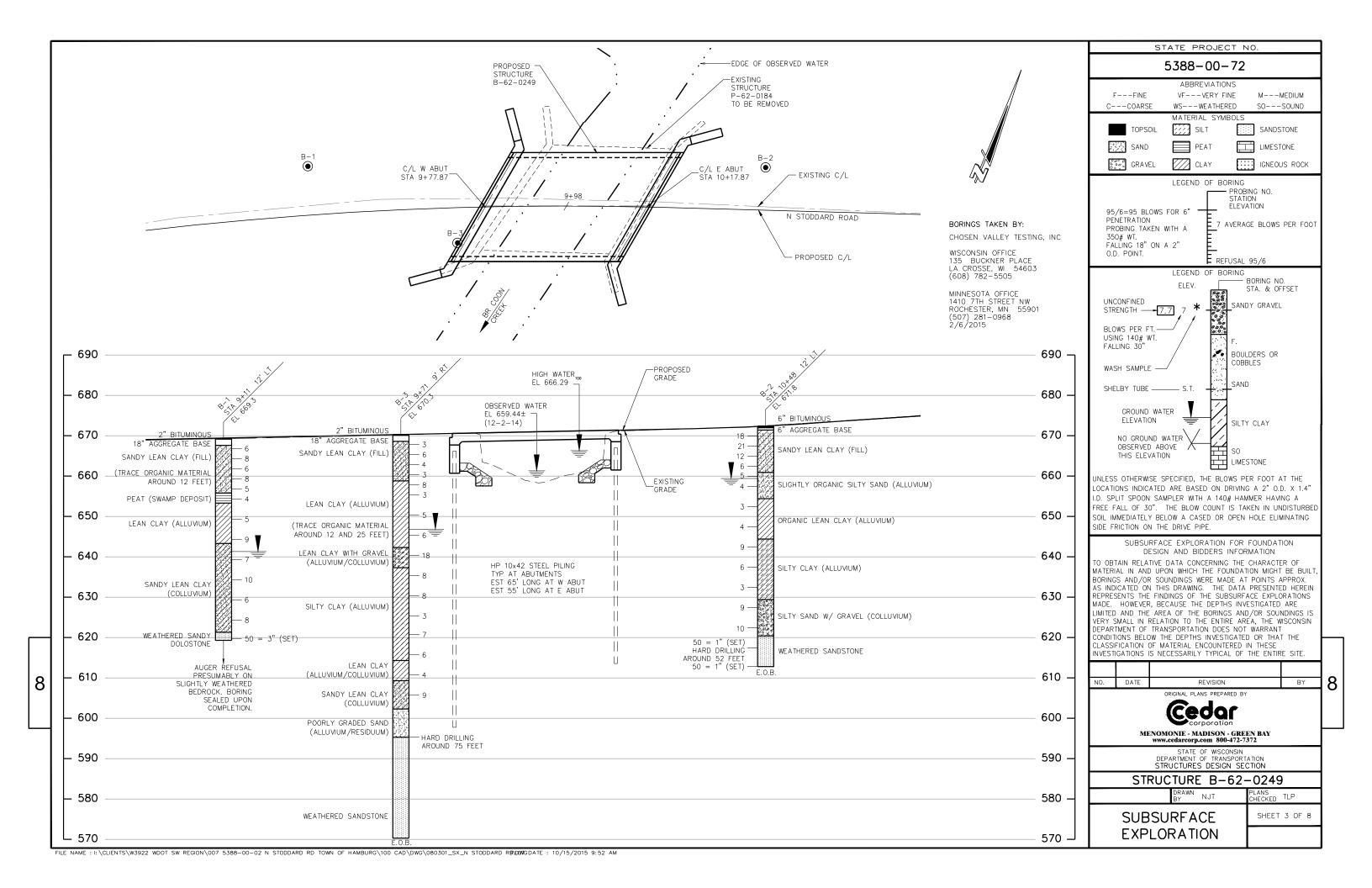
| DRAWN NJT | PLANS CK'D TLP

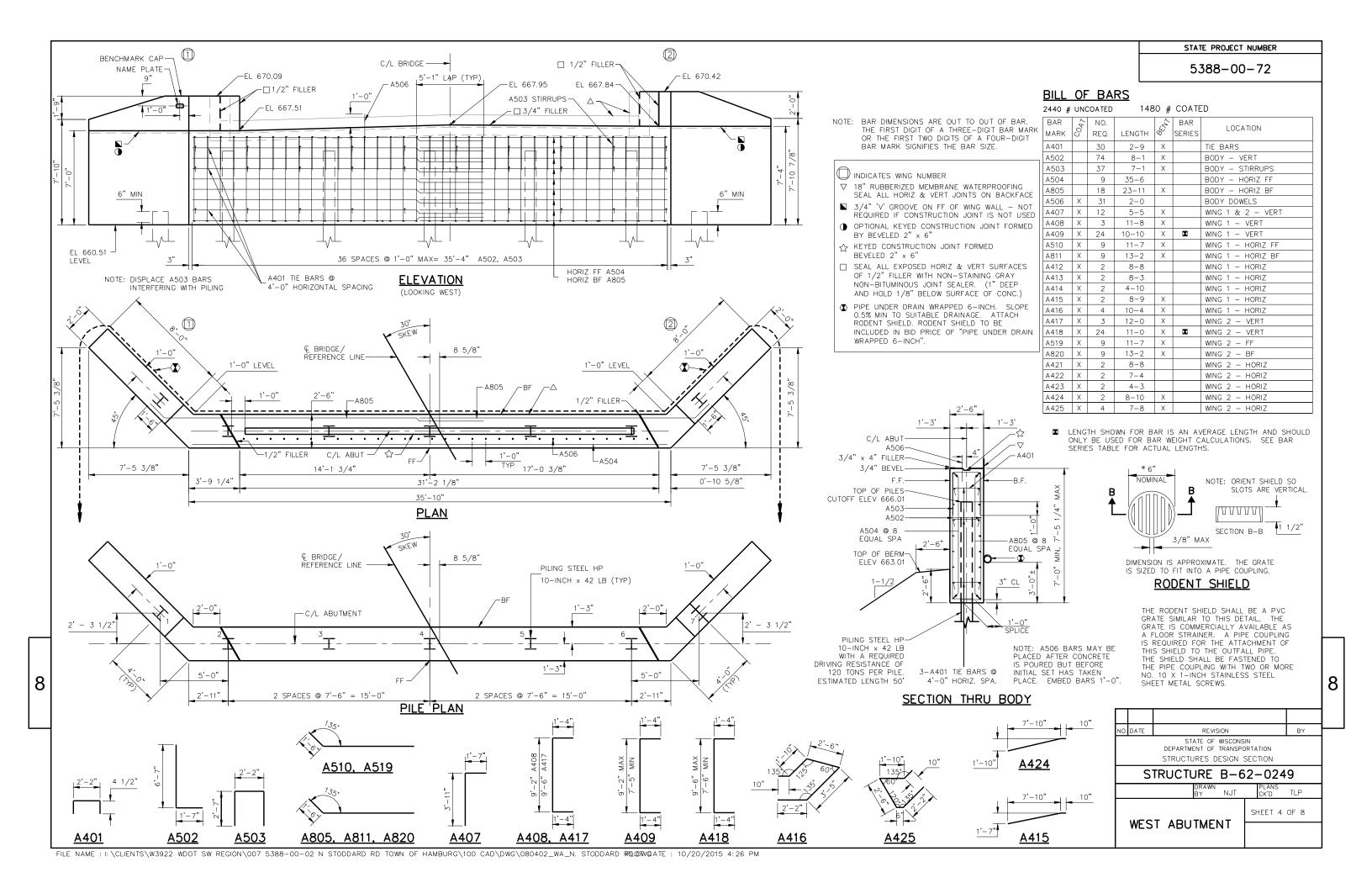
QUANTITIES & NOTES

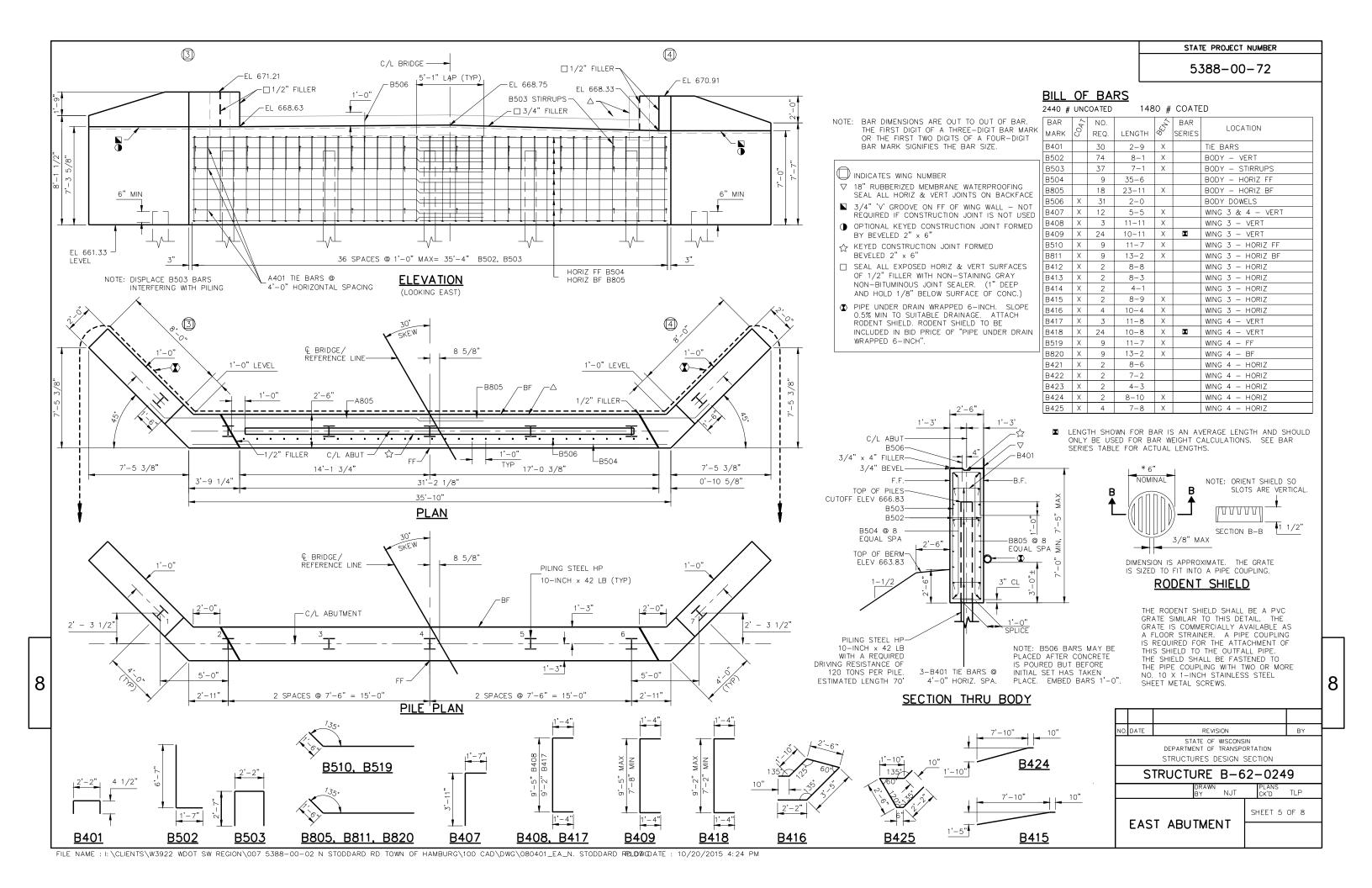
SHEET 2 OF 8

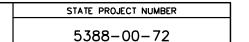
BY

8





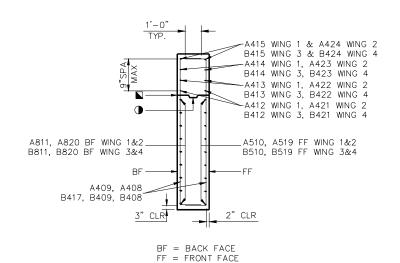




BAR SERIES TABLE

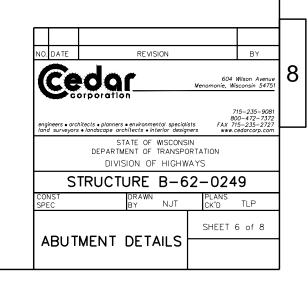
MARK	NO. REQUIRED	LENGTH
A409	2 SERIES OF 12	9'-11" TO 11'-8"
A418	2 SERIES OF 12	10'-0" TO 12'-0"
B409	2 SERIES OF 12	10'-0" TO 11'-10"
B418	2 SERIES OF 12	9'-8" TO 11'-8"

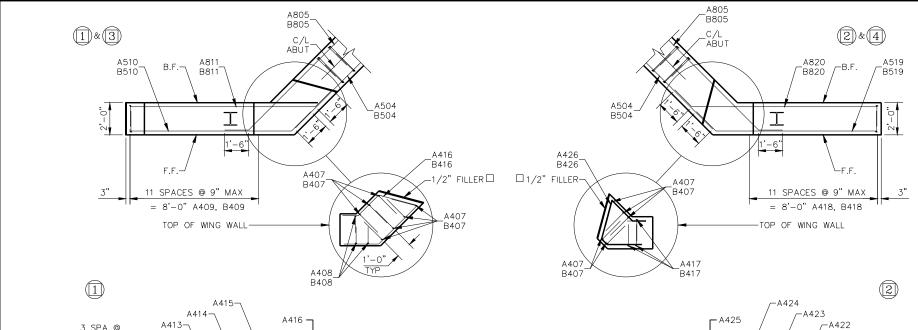
BUNDLE AND TAG EACH SERIES SEPARATELY

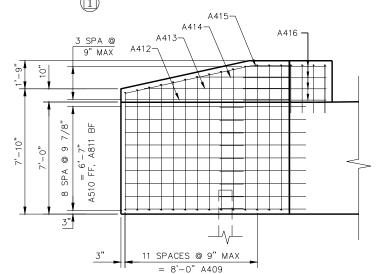


TYPICAL SECTION THRU WING

- N 3/4" 'V' GROOVE ON FF OF WING WALL NOT REQUIRED IF CONSTRUCTION JOINT IS NOT USED
- OPTIONAL KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6"



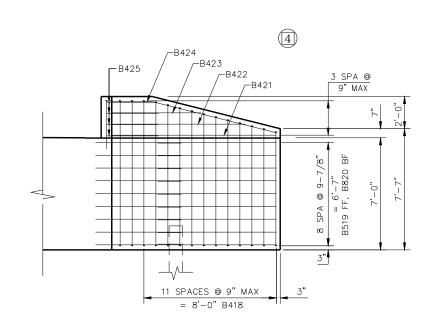




B415-

B416 -





11 SPACES @ 9" MAX

= 8'-0" A418

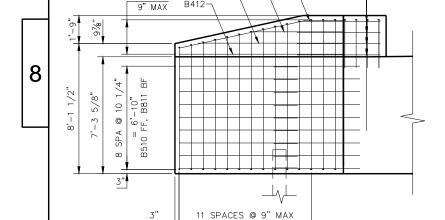
3 SPA @

9" MAX

A519

5

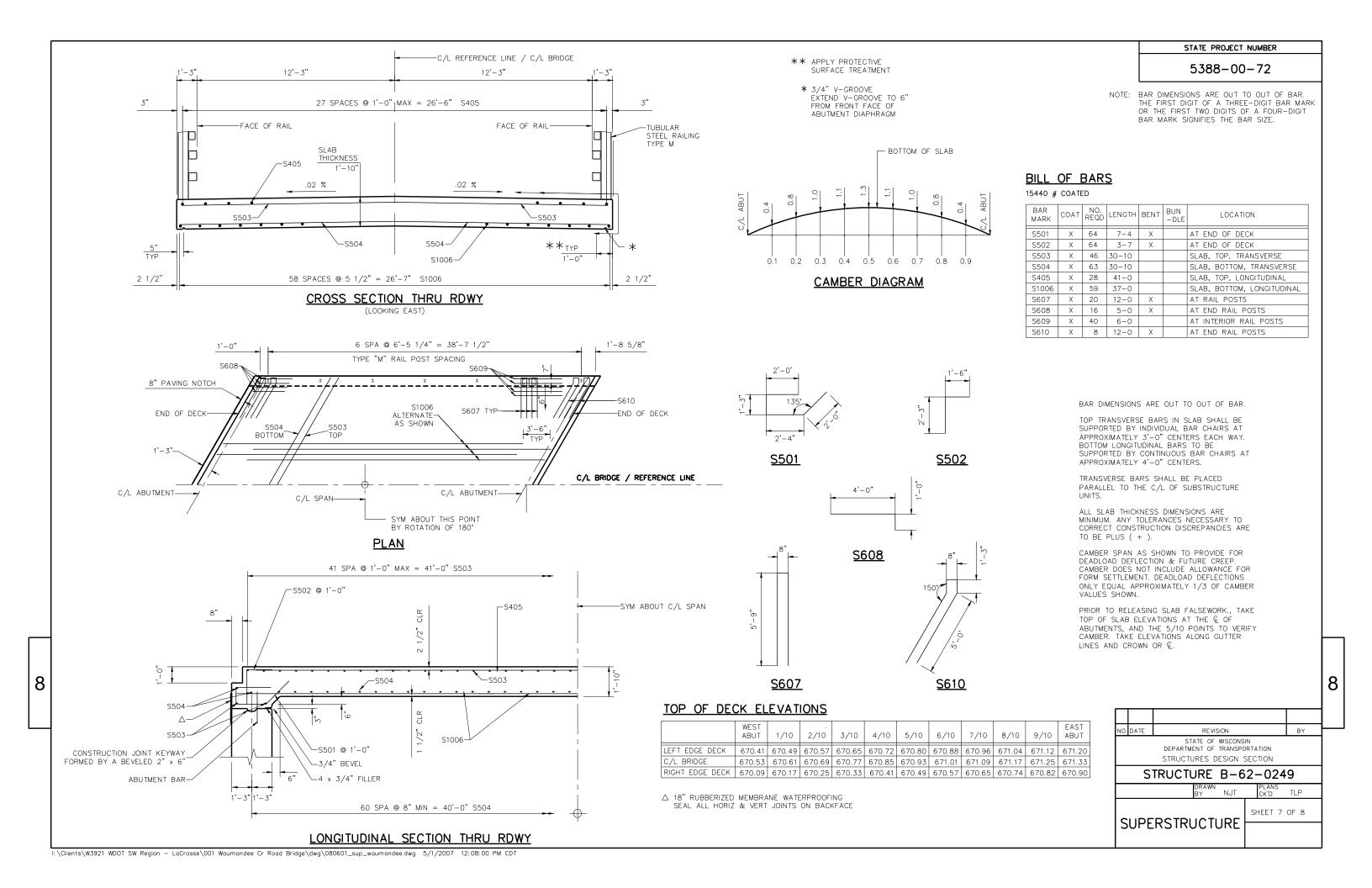
-A421

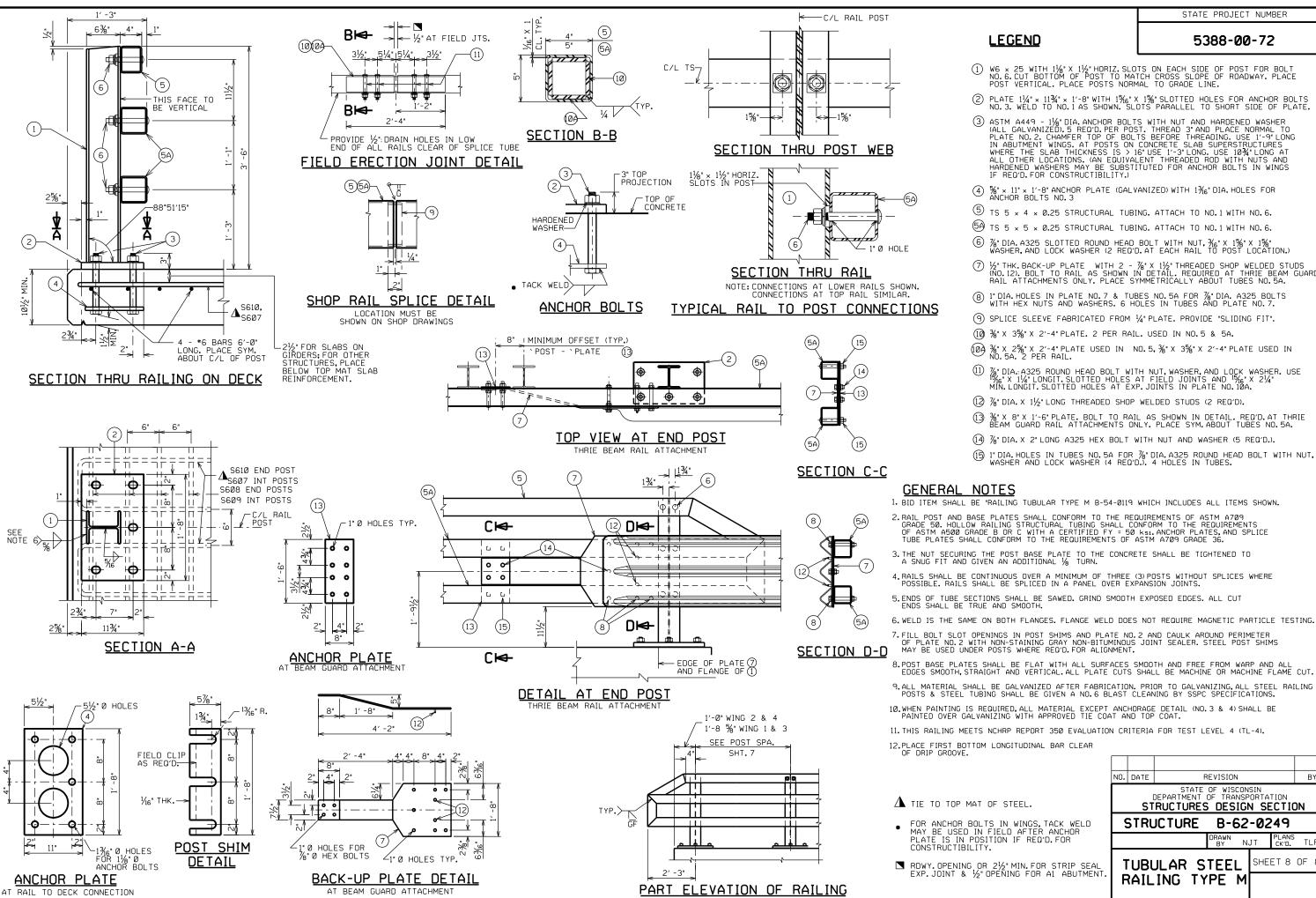


= 8'-0" B409

B413-

3 SPA @





1/2" THK. BACK-UP PLATE WITH 2 - 1/3" X 11/2" THREADED SHOP WELDED STUDS (NO.12). BOLT TO RAIL AS SHOWN IN DETAIL. REQUIRED AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES NO. 5A.

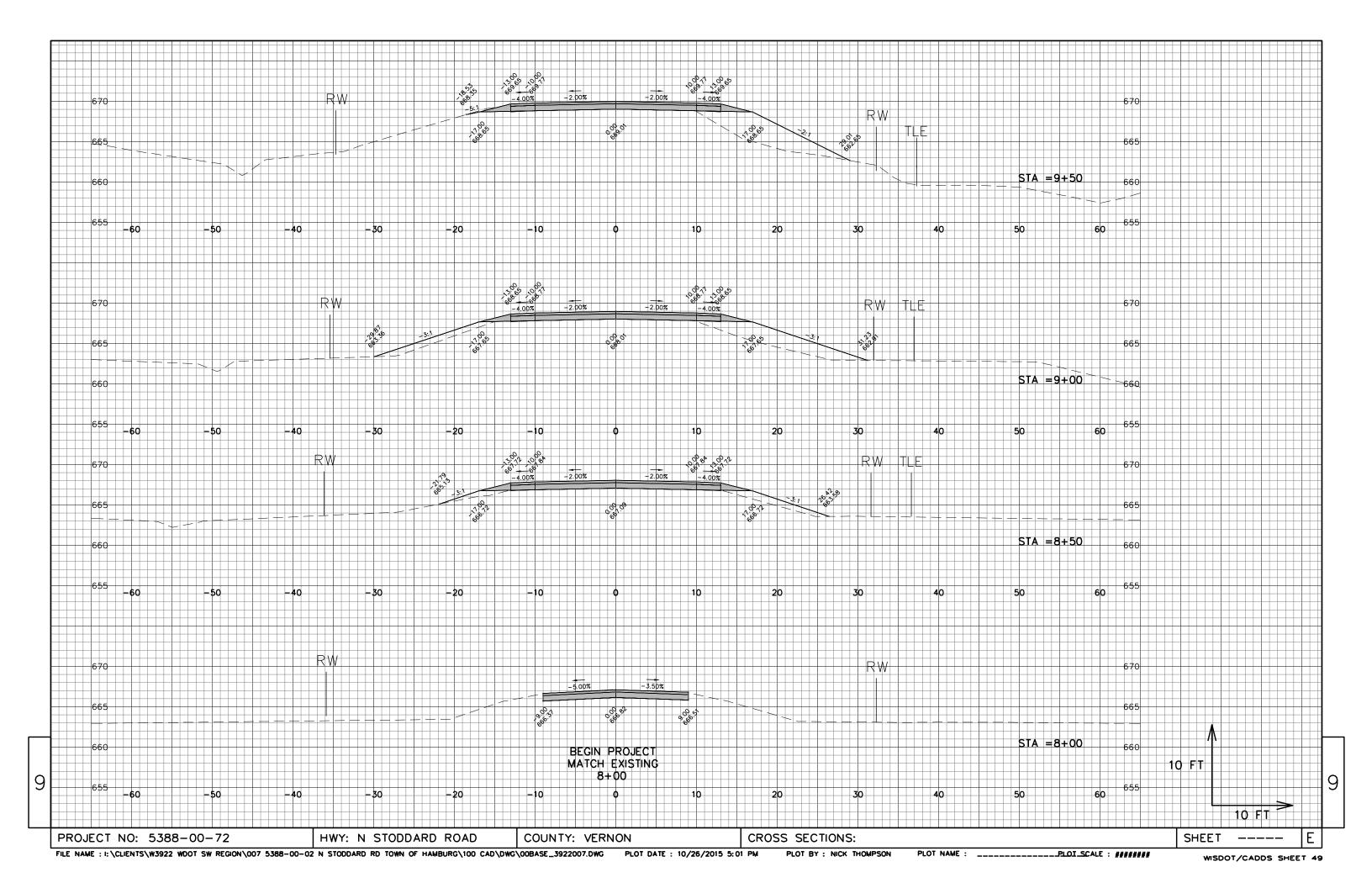
(0) 3" X 2% X 2'-4" PLATE USED IN NO. 5, 3" X 3% X 2'-4" PLATE USED IN NO. 5A. 2 PER RAIL.

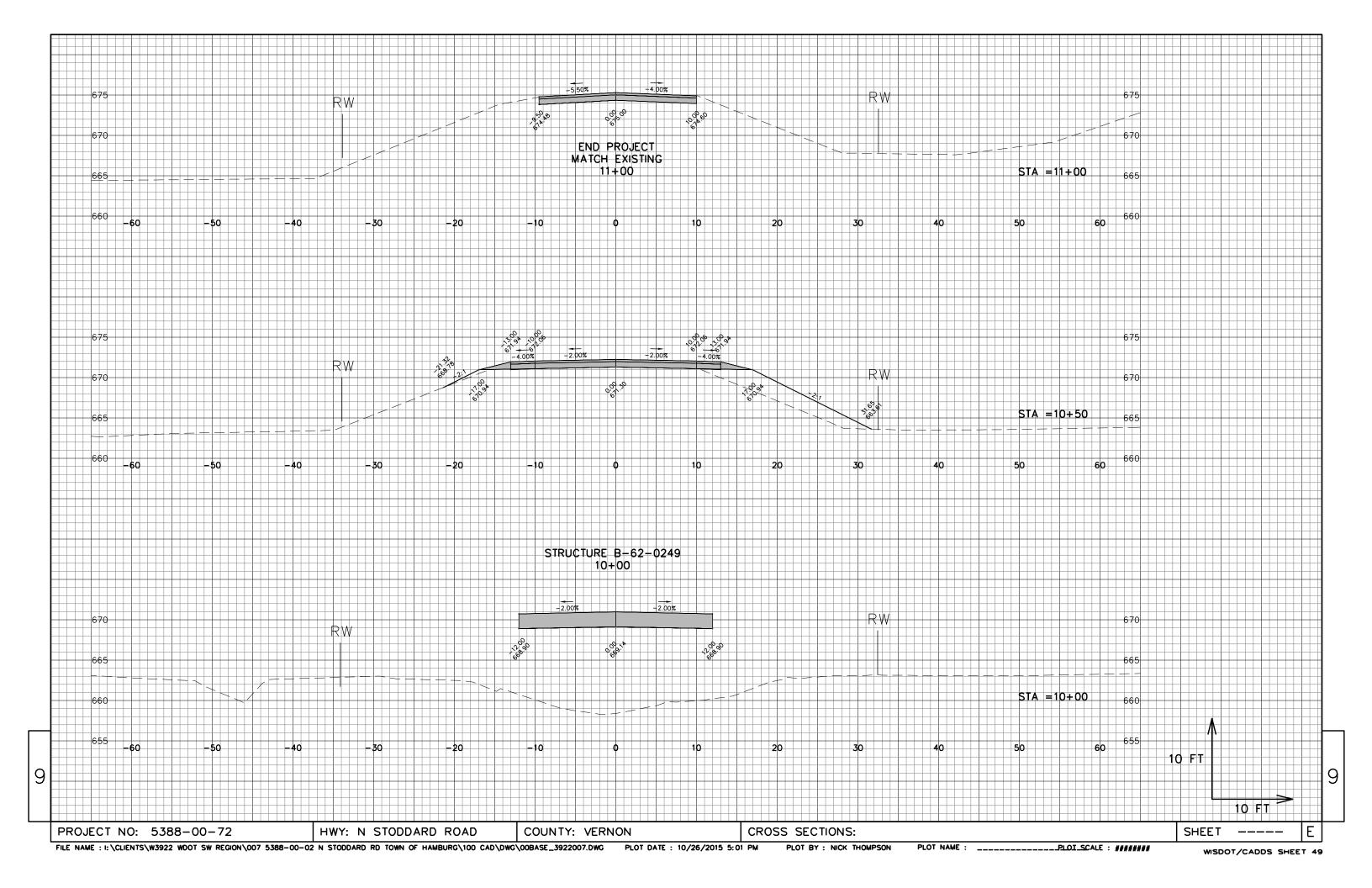
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION B-62-0249 PLANS CK'D. TLP SHEET 8 OF 8

			AREA (SF)			INCREMENTAL V	INCREMENTAL VOL (CY) - (UNADJUSTED)			CUMULATIVE VOL (CY)	
STATION	REAL STATION	DISTANCE (FT)	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
8+00	800	0	17.3	6.7	0.0	0.0	0	0.0	1.0	0.0	1.0
8+50	850	50	19.5	6.7	11.7	34.1	12	10.8	35.1	13.5	21.6
9+00	900	50	18.0	6.7	40.1	34.7	12	48.0	69.8	73.5	-3.7
9+50	950	50	19.7	6.7	38.0	34.9	12	72.3	104.7	164.0	-59.3
9+77	977	27	19.7	6.7	38.0	19.7	7	38.0	124.4	211.5	-87.1
	-					123.4	43	160 1			_

			AREA (SF)			INCREMENTAL V	OL (CY) - (UNADJU	JSTED)	CUMULATIVE VOL (CY)		
STATION	REAL STATION	DISTANCE (FT)	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
10+19	1019	0	15.4	6.7	36.7	17.7	0	42.1	17.7	52.6	-34.9
10+50	1050	31	15.4	6.7	36.7	31.6	8	34.0	49.3	95.1	-45.8
11+00	1100	50	18.7	6.7	0.0	0.0	8	0.0	50.3	95.1	-44.8
		•				50.0	16.0	76.1			

PROJECT NO: 5388-00-72 HWY: N STODDARD ROAD COUNTY: VERNON EARTHWORK SHEET **E**





Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

SWL APRIL 2016 ORDER OF SHEETS FEDERAL PROJECT STATE OF WISCONSIN STATE PROJECT **PROJECT** CONTRACT Sheet No. Typical Sections, Details & Erosion Control Plan Sheet No. 5388-13-71 WISC 2016087 1 Estimate of Quantities Sheet No. DEPARTMENT OF TRANSPORTATION Sheet No. Miscellaneous Quantities Right-of-Way Plat Sheet No. Plan and Profile Sheet No. Standard Detail Drawings Sheet No. PLAN OF PROPOSED IMPROVEMENT PROJECT ID: WITH: Sheet No. Sign Plates Sheet No. Structure Plans Sheet No. Computer Earthwork Data DAVIDSON LANE BRIDGE & APPROACHES Sheet No. 9 Cross-Sections TOTAL SHEETS = 485388-13-7 (TOWN OF HAMBURG B-62-0251) TOWN ROAD **VERNON COUNTY** END CONSTRUCTION STATE PROJECT NUMBER STA 11+71 Y - 185889.07 T15N X - 656861.79ACCEPTED FOR TOWN OF HAMBUR END PROJECT TOWN CHAIRMAN ZIETLOW RIDGE ACCEPTED FOR STA 11+50 VERNON COUNTY Y - 185877.29 Sul Hoevity COUNTY COMMISSIONER X - 656862.50PROJECT LOCATION HAMBURG ORIGINAL PLANS PREPARED BY DESIGN DESIGNATION AADT (2016) =Goon (2036) = 25AADT STRUCTURE B-62-0251 HUMFELD RD /allev DHV (2036) == 50/50**MENOMONIE - MADISON - GREEN BAY** T (% OF ADT) = 10%www.cedarcorp.com DESIGN SPEED = < 25 MPH 22 (\$5 20 800-472-7372 **ESALS** MSTEN RIDGE RI CONVENTIONAL SYMBOLS BEGIN PROJECT SCONS PLAN STA 8+50 **FENCE** 30 ___ Y - 185578.16 13. PRO X - 656867.03RIPRAP burg TROY L PETERSON CORPORATE LIMITS 1/////// PROFILE 31% 36 GRADE LINE E-31102 PROPERTY LINE MENOWONIE ORIGINAL GROUND BEGIN CONSTRUCTION LOT LINE _ ROCK_ MARSH OR ROCK PROFILE STA 6+59 LIMITED HIGHWAY EASEMENT (To be noted as such) Y - 185423.44 _ LABEL _ _ _ EXISTING RIGHT OF WAY SPECIAL DITCH X - 656971.27 PROPOSED OR NEW R/W LINE GRADE ELEVATION VERNON SLOPE INTERCEPT CULVERT (Profile View) REFERENCE LINE UTILITIES EXISTING CULVERT ----ELECTRIC STATE OF WISCONSIN PROPOSED CULVERT OVERHEAD LINES (Box or Pipe) CAUTION DEPARTMENT OF TRANSPORTATION FIBER OPTIC R6W R5W COMBUSTIBLE FLUIDS PREPARED BY GAS SANITARY SEWER Surveyor CEDAR CORPORATION HIGH VOLTAGE STORM SEWER LAYOUT Designer CEDAR CORPORATION Management Consultant KJOHNSON ENGINEERS, INC. TELEPHONE MARSH AREA WATER COORDINATES ON THIS PLAN ARE REFERENCED TO THE UTILITY PEDESTAL П APPROVED FOR THE DEPARTMENT WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WOODED OR SHRUB AREA POWER POLE VERNON COUNTY. TOTAL NET LENGTH OF CENTERLINE = 0.057 MI TELEPHONE POLE RIGHT-OF-WAY MARKERS FILE NAME : I: \CLIENTS\W3922 WDOT SW REGION\008 5388-13-00 DAVIDSON LN TOWN OF HAMBURG\100 CAD\DWG\010101_TI_DAVIDSON LANE.DWGPLOT DATE : 10/15/2015 11:17 AM

R/W R/W 33.0' 1'-3.0' 9.0'-10.0' 9.0'-10.0' VARIES VARIES VARIES VARIES STA 'B'6+59 + STA 'B'11+71 ∠ VAR VAR -VARIES 25:1 MAX VARIES 2.5:1 MAX - 3" ASPHALT -10" - 18" BASE AGGREGATE

EXISTING TYPICAL SECTION DAVIDSON LANE

R/W R/W 33.0' 33.0' 7' CLEAR ZONE TYP BOTH SIDES SEEDING, FERTILIZER, & SEEDING, FERTILIZER, & EROSION MAT CLASS 1 TYPE B EROSION MAT CLASS 1 TYPE B 5.0' I SALVAGED TOPSOIL 18.0 SALVAGED TOPSOIL I 3.99' 3.99 -POINT REFERRED TO 1.09 1.09 ON PROFILE 0.04% 0.04% € 0.02% BASE AGGREGATE -DENSE 3/4-INCH 3 1/2" ASPHALTIC SURFACE (SHOULDER) (TYP) 8" BASE AGGREGATE DENSE 1 1/4-INCH POINT REFERRED TO ON CROSS-SECTIONS EXISTING GROUND-(TYP) TYPICAL FINISHED SECTION DAVIDSON LANE STA 8+50 - STA 9+82.55

DNR LIAISON

DNR SERVICE CENTER 3550 MORMON COULEE ROAD LA CROSSE, WI 54601 (608) 785-9115 KAREN KALVELAGE karen.kalvelage@wisconsin.gov

DESIGN CONSULTANT

CEDAR CORPORATION 604 WILSON AVENUE MENOMONIE, WI 54751 (715) 235-9081 TROY L. PETERSON, PE troy.peterson@cedarcorp.com

VERNON COUNTY

VERNON CO. HIGHWAY DEPARTMENT 602 NORTH MAIN STREET VIROQUA, WI 54665 (608) 637-5452 PHIL HEWITT phil.heweitt@vernoncounty.org

TOWN OF HAMBURG

HAMBURG TOWN HALL \$1631A CTY HWY K CHASEBURG, WI 54621 (608) 452-3280 ROD ERLANDSON hamburg@mwt.net

<u>UTILITIES</u>

XCEL ENGERY
P.O. BOX 8
EAU CLAIRE, WI 54702
(715) 737-2482
DAWN SCHULTZ
dawn.schultz@xcelenergy.com

COON VALLEY FARMERS TELEPHONE P.O. BOX 398
COON VALLEY, WI 54623
(608) 452-3101
TRAVIS FROMK & LENNY LEIS
cvt@mwt.net



**DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

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 SHOWN.

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

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS EXCAVATION COMMON. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER.

SHRINKAGE IS ESTIMATED AT 25%.

THE 3 1/2" ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 1 3/4" LOWER LAYER AND A 1 3/4" UPPER LAYER. USE 1/2" NOMINAL AGGREGATE FOR ASPHALT SURFACE.

BEARINGS REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), VERNON COUNTY.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE FERTILIZED AND SEEDED AS DIRECTED BY THE ENGINEER. LISE SEED MIX NO. 10

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

THE BENCHMARK IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD88).

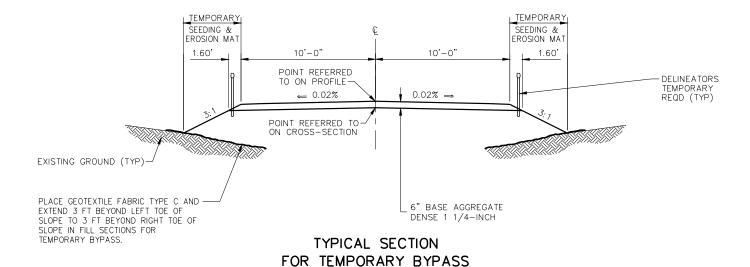
WETLANDS ARE PRESENT WITHIN THE PROJECT LIMITS. DO NOT OPERATE EQUIPMENT OUTSIDE THE SLOPE INTERCEPTS.

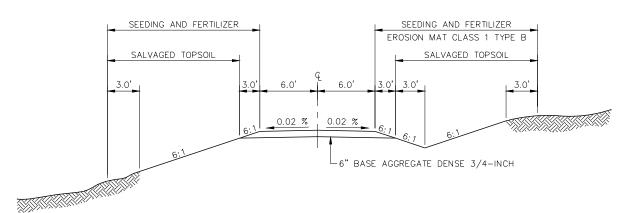
STANDARD ABBREVIATIONS

ABUT AGG ET AL	ABUTMENT AGGREGATE AND OTHERS	OFF PC PRC	OFFSET POINT OF CURVATURE POINT OF REVERSE CURVATURE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	PI	POINT OF INTERSECTION
BF	BACK FACE	PT	POINT OF TANGENCY
ВМ	BENCHMARK	POL	POINT ON LINE
C/L OR Ç	CENTERLINE	PE	PRIVATE ENTRANCE
Δ_	CENTRAL ANGLE OR DELTA	PL	PROPERTY LINE
CLR	CLEAR	PSI	POUNDS/SQUARE INCH
CONC	CONCRETE	PROP	PROPOSED
CONST	CONSTRUCTION	R	RADIUS
COR	CORNER	RR	RAILROAD
CMP	CORRUGATED METAL PIPE	REBAR	REINFORCEMENT BAR
CTH	COUNTY TRUNK HIGHWAY	REQD	REQUIRED
CR CFS	CREEK	RT	RIGHT
CULV	CUBIC FEET/SECOND CULVERT	RHF	RIGHT-HAND FORWARD
D	DEGREE OF CURVE	R/W RD	RIGHT-OF-WAY ROAD
D DHV	DESIGN HOUR VOLUME	SEC	SECTION
DIA	DIAMETER	S	SOUTH
E	EAST	SE	SOUTHEAST
EL	ELEVATION	SW	SOUTHWEST
EST	ESTIMATED	STH	STATE TRUNK HIGHWAY
FPS	FEET PER SECOND	STA	STATION
FE	FIELD ENTRANCE	SE	SUPER ELEVATION
FT	FOOT (FEET)	T	TANGENT
FTG	FOOTING	TEL	TELEPHONE
FDN	FOUNDATION	TEMP	TEMPORARY
FF	FRONT FACE	TI	TEMPORARY INTEREST
IP	IRON PIN	TLE	TEMPORARY LIMITED EASEMENT
LT	LEFT	TL OR T/L	TRANSIT LINE
LHF	LEFT-HAND FORWARD	T '	TRUCKS
L	LENGTH OF CURVE	TYP	TYPICAL
LF	LINEAR FOOT	U/G	UNDERGROUND
MAX	MAXIMUM	USH	UNITED STATES HIGHWAY
MI	MILE	VAR	VARIABLE
MIN	MINIMUM	V	VELOCITY
NC	NORMAL CROWN	VPC	VERTICAL POINT OF CURVATURE
N_	NORTH	VPI	VERTICAL POINT OF INTERSECTION
NE	NORTHEAST	VPT	VERTICAL POINT OF TANGENCY
NW	NORTHWEST	W	WEST
NO	NUMBER	YD	YARD

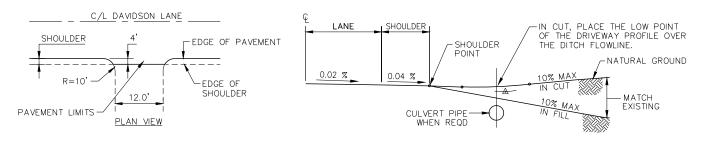
PROJECT NO: 5388-13-71 HWY: DAVIDSON LANE COUNTY: VERNON TYPICAL SECTIONS & GENERAL NOTES SHEET E

STA 10+25.44 - STA 11+50



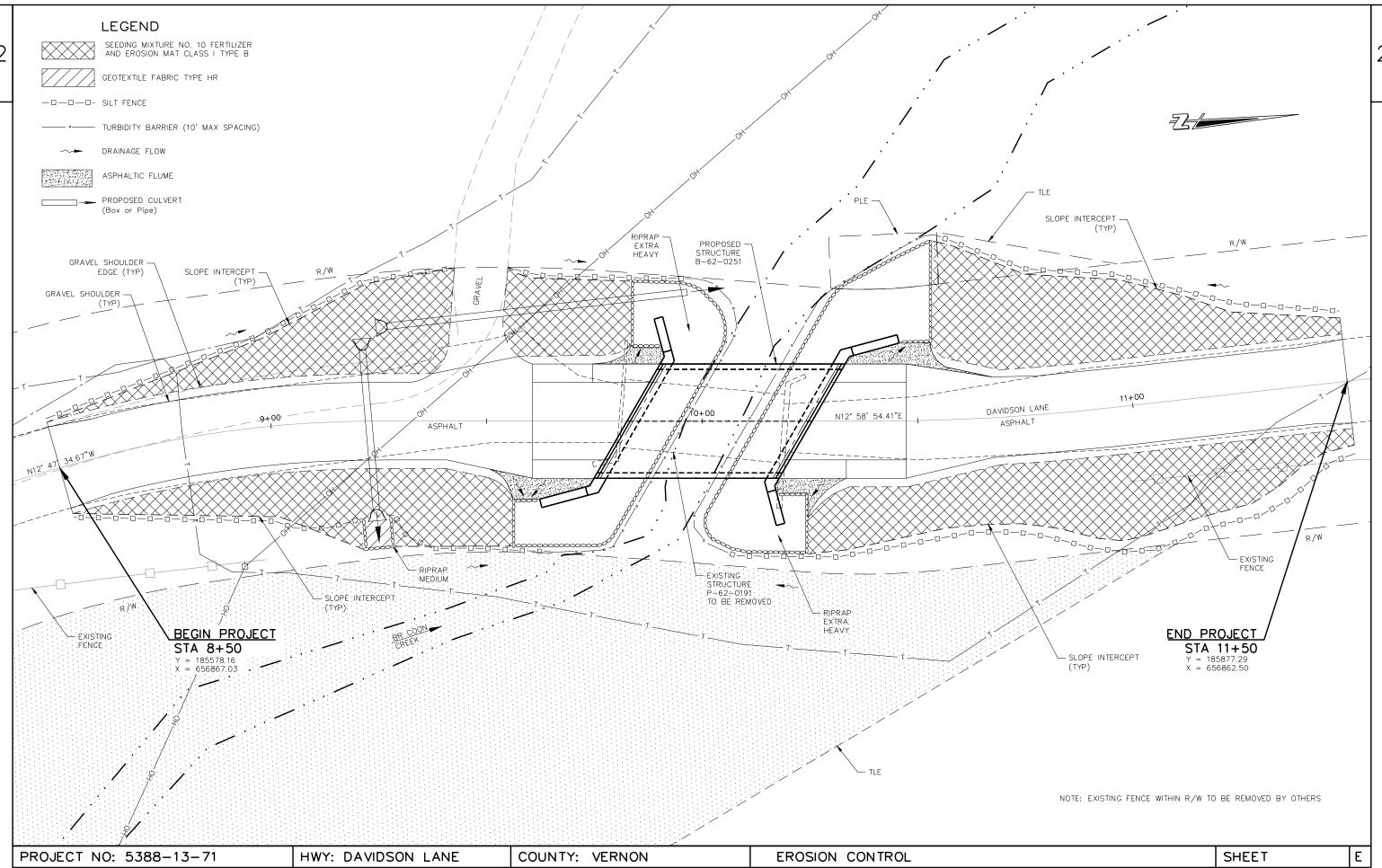


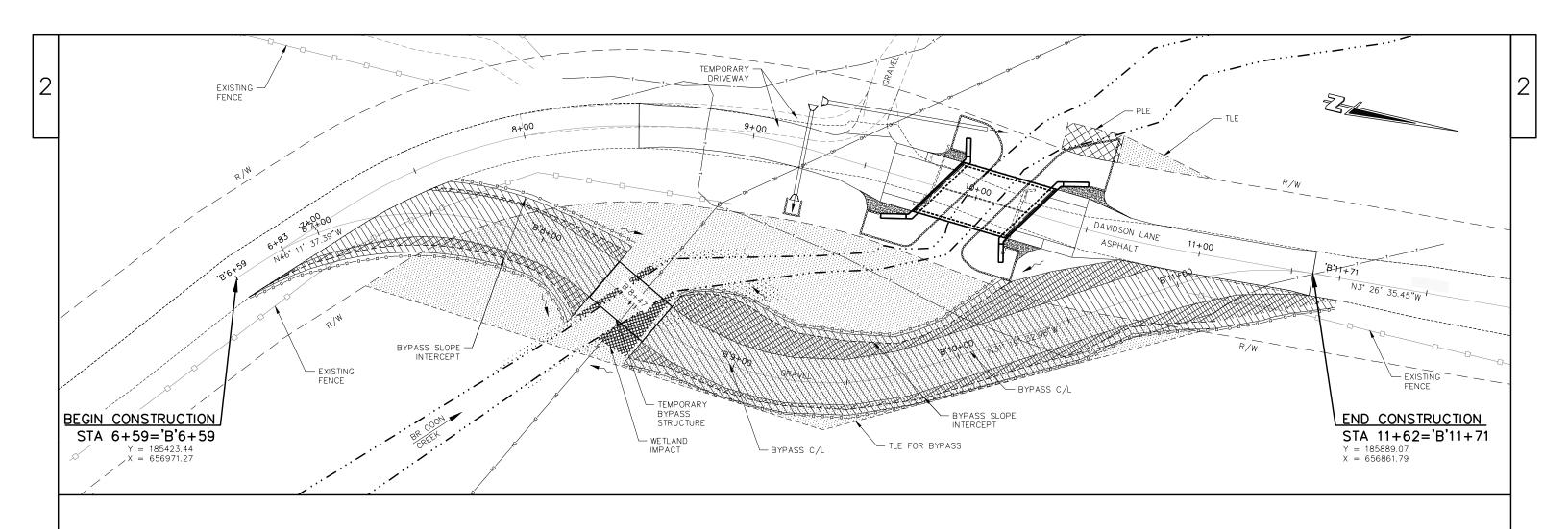
TYPICAL FINISHED SECTION FOR GRAVEL ENTRANCES



ENTRANCE DETAIL
STA 9+46 LT

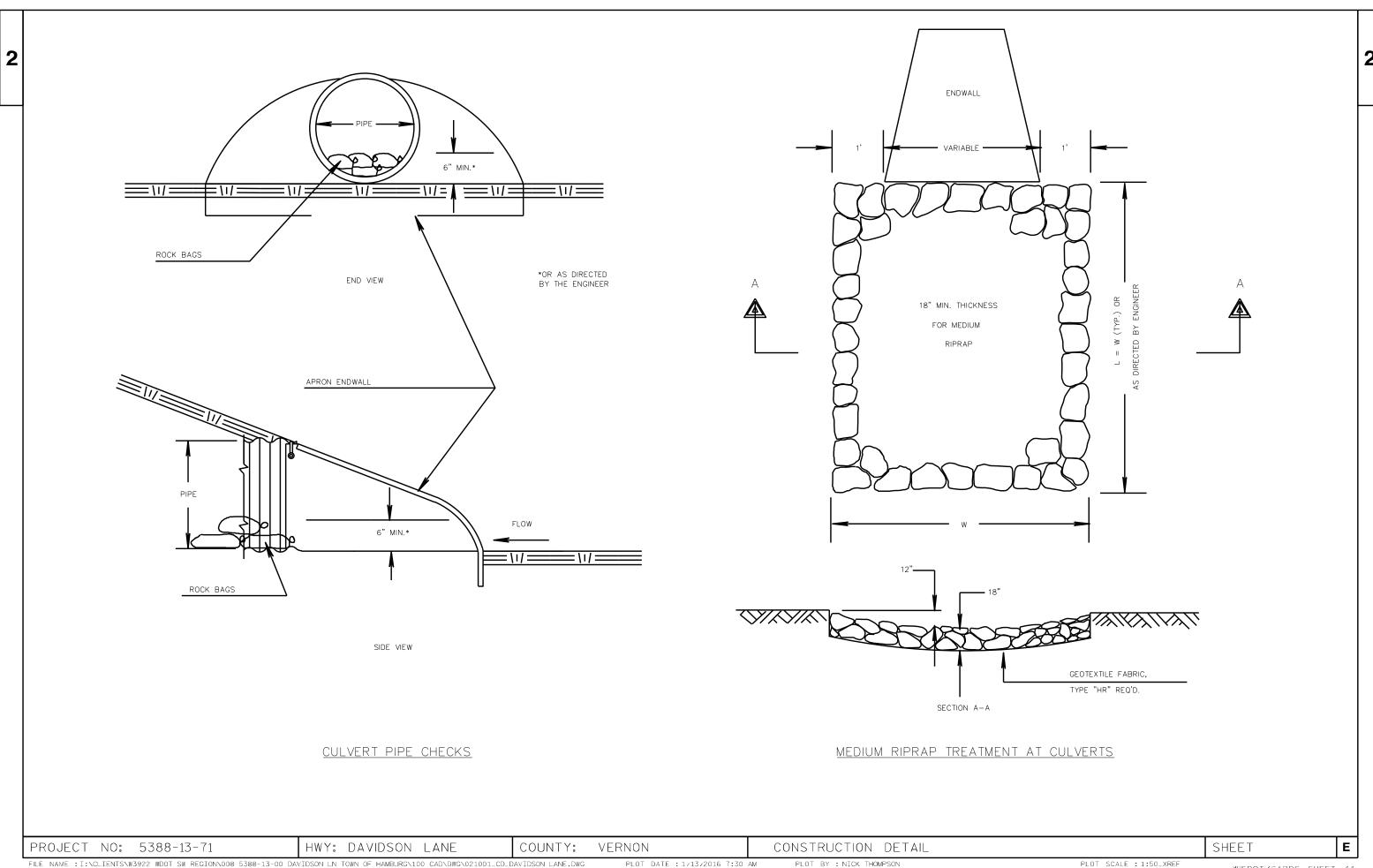
TYPICAL PROFILE FOR ENTRANCES

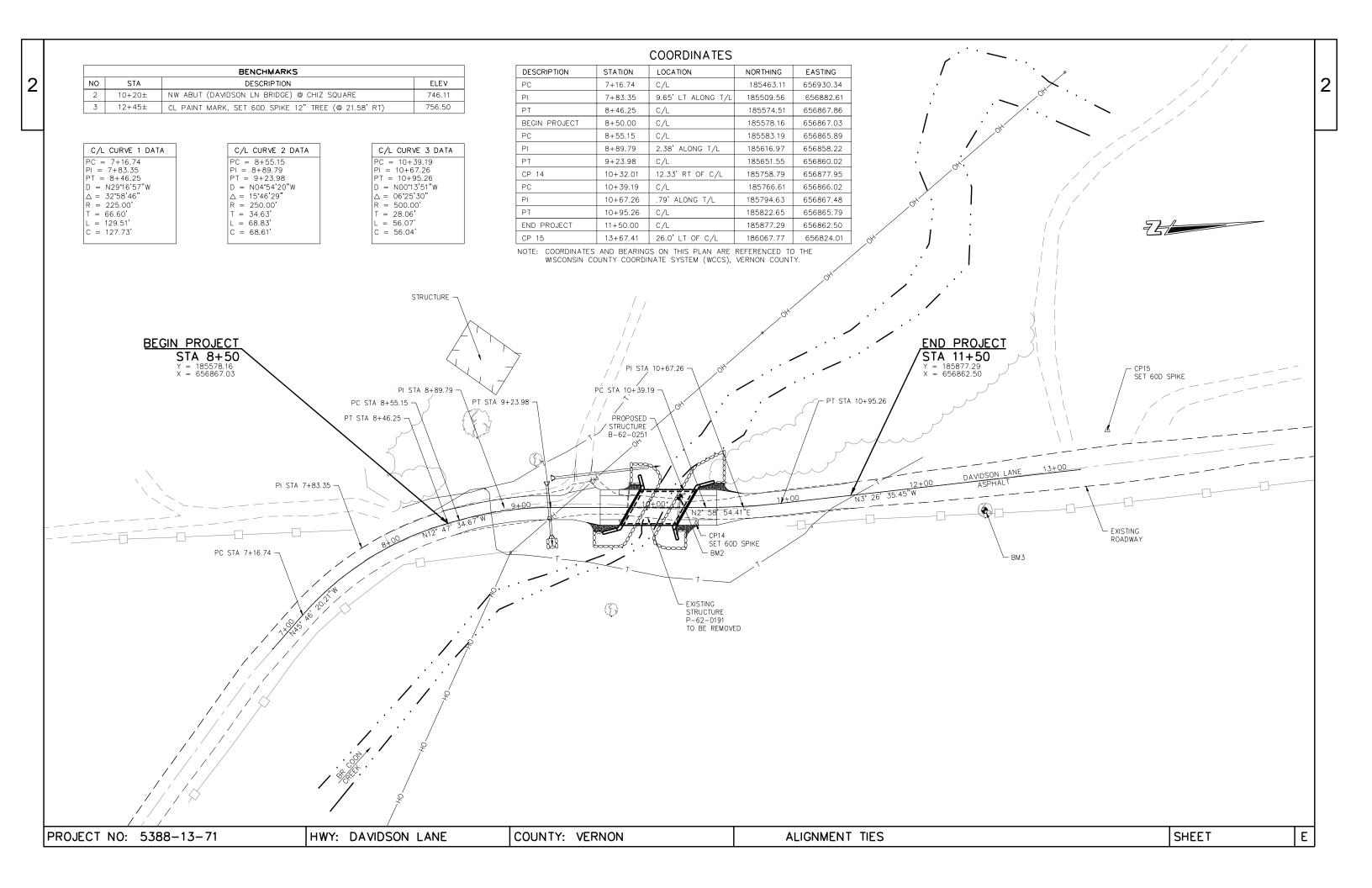




		HYDROLOGIC SOIL GROUP												
	A			В		С		D						
	S		RANGE CENT)	S		RANG CENT)	E	S		RANGI CENT)	E	S		RANGE CENT)
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & (OVER	0-2	2-6	6 & (OVER	0-2	2-6	6 & OVER
MEDIAN STRIP-TURF	.19	.20	.24	.19	.22	.26		.20	.23	.30		.20	.25	.30
	.24	.26	.30	.25	.28	.33		.26	.30	.37		.27	.32	.40
SIDE SLOPE-TURF			.25			.27				.28				.30
			.32			.34				.36				.38
PAVEMENT:														
ASPHALT							.70 -	95						
CONCRETE							.80 -	95						
BRICK							.70 -	80						
DRIVES, WALKS .7585														
ROOFS .7595														
GRAVEL ROADS, SHOULDERS .4060														
TOTAL DROJECT ARE	۸ _ 1	110 4	CDE											

TOTAL PROJECT AREA = 1.19 ACRE
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.94 ACRE





DATE 2/	IANI47	F. C. T			T. T. L. C. C.	
DATE 26	JANIO	E 3 I	IWAIE	OF QUAN	5388-13-71	
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0530	642. 5001	Field Office Type B	EACH	0. 500	0. 500	
0550	643. 0100	Traffic Control (project) 02. 5388-13-71	EACH	1. 000	1. 000	
0560	643. 0300	Traffic Control Drums	DAY	1, 452. 000	1, 452. 000	
0570	643. 0420	Traffic Control Barricades Type III	DAY	1, 320. 000	1, 320. 000	
0580	643. 0705	Traffic Control Warning Lights Type A	DAY	1, 584. 000	1, 584. 000	
0590	643. 0715	Traffic Control Warning Lights Type C	DAY	1, 320. 000	1, 320. 000	
0600	643. 0900	Traffic Control Signs	DAY	2, 640. 000	2, 640. 000	
0610	645. 0105	Geotextile Fabric Type C	SY	1, 480. 000	1, 480. 000	
0620	645. 0120	Geotextile Fabric Type HR	SY	334. 000	334.000	
0630	650. 4500	Construction Staking Subgrade	LF	770.000	770. 000	
0640	650. 5000	Construction Staking Base	LF	770. 000	770. 000	
0660	650. 6500	Construction Staking Structure Layout	LS	1. 000	1. 000	
0.400	(50.0040	(structure) 02. B-62-0251		4 000	4 000	
0680	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000	
		Control (project) 02. 5388-13-71				
0690	650. 9920	Construction Staking Slope Stakes	LF	770. 000	770. 000	
0700	690. 0150	Sawing Asphalt	LF	40. 000	40.000	
0710	715. 0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000	
0720	715. 0502	Incentive Strength Concrete Structures	DOL	1, 122. 000	1, 122. 000	
0730	999. 1000. 5	S Sei smograph	LS	1. 000	1. 000	
0740	999. 1500. 5	Crack and Damage Survey	LS	1. 000	1. 000	
0750	ASP. 1TOA	On-the-Job Training Apprentice at \$5.	HRS	150. 000	150. 000	
0760	ASP. 1TOG	00/HR On-the-Job Training Graduate at \$5.00/HR	HRS	150. 000	150. 000	
		J				

GRUBBING

REMOVING SMALL PIPE CULVERTS

		201.0205			203.0100	
		GRUBBING	STATION - STA	TION LOCATION	EACH	DESCRIPTION
STATION - STATION	LOCATION	STA.	9+20 - 9+26	DAVIDSON LANE	1	15" CMP
8+50 - 11+50	DAVIDSON LANE	3	9+23 - 9+98	DAVIDSON LANE	1	18" CMP
TOTAL		3		TOTAL	2	

DIVISION	STATIONING	LOCATION	205.0100 COMMON EXCAVATION (CY) **P**	SALVAGED / UNUSABLE PAVEMENT MATERIAL (1)	AVAILABLE MATERIAL (CY) (2)	UNEXPANDED FILL	EXPANDED FILL	MASS ORDINATE +/- (3)	208.0100 BORROW (CY)
			СИТ				FACTOR 1.25		
1	8+50 - 9+83	MAINLINE SOUTH APPROACH	111	22	89	18	23	67	0
DIVISION 1 SUBTOTAL			111	22	89	18	23	67	0
2	10+25 - 11+50	MAINLINE NORTH APPROACH	176	21	155	82	103	52	0
DIVISION 2 SUBTOTAL			176	21	155	82	103	52	0
3	B 6+59 - B 8+33	BYPASS SOUTH APPROACH	8	0	8	48	60	-53	60
DIVISION 3 SUBTOTAL			8	0	8	48	60	-53	60
4	B 8+61 - B11+71	BYPASS NORTH APPROACH	9	0	9	291	364	-355	394
DIVISION 4 SUBTOTAL			9	0	9	291	364	-355	394
5	B 6+59 - B11+71	BYPASS SOUTH APPROACH REMOVAL	109	0	109	7	8	101	0
DIVISION 5 SUBTOTAL			109	0	109	7	8	101	0
6	B 6+59 - B11+71	BYPASS NORTH APPROACH REMOVAL	398	0	398	9	11	387	0
DIVISION 6 SUBTOTAL			398	0	398	9	11	387	0
GRAND TOTAL		·	811	43	768	455	569	199	454

BASE AGGREGATE DENSE

			305.0120	305.0110	
			1 1/4 - INCH	3/4 - INCH	
	STATION - STATION	LOCATION	TON	TON	
	8+50 - 9+83	MAINLINE SOUTH	171	34	
	10+25 - 11+50	MAINLINE NORTH	160	32	
	B 6+59 - B 8+33	BYPASS SOUTH	139		
_	B 8+61- B 11+71	BYPASS NORTH	248		
•	TOTAL		718	66	•

CONCRETE

ASPHALTIC SURFACE

		APPROACH SLAB	PAVEMENT 12 INCH
		415.0410	415.0120
STATION - STATION	LOCATION	SY	SY
9+60.67- 9+84.00	SOUTH APPROACH	45	15
10+24.67 - 10+47.32	NORTH APPROACH	45	11
TOTAL		90	26

		465.0105
STATION - STATION	LOCATION	TON
8+50 - 9+60.67	SOUTH APPROACH	43
10+47.32 - 11+50	NORTH APPROACH	40
9+60.67 - 10+47.32	APPROACH SHOULDER	3
TOTAL		86

		465.0315
STATION - STATION	LOCATION	SY
9+60	RT	9
9+85	LT	5
10+20	RT	7
10+45	LT	10
TOTAL		31

PROJECT NO: 5388-13-71 HWY: DAVIDSON LANE	COUNTY: VERNON	MISCELLANEOUS QUANTITIES	SHEET	E
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CULVERT PIPE AND ENDWALLS

		521.0118		521.1018
		CULVERT PIPE	MINIMUM	APRON ENDWALLS
		CORRUGATED STEEL	THICKNESS	FOR CULVERT
		18-INCH	STEEL	PIPE, 18-INCH
STATION - STATION	LOCATION	LF	INCHES	EACH
9+20 - 9+25	MAINLINE	40	0.064	2
9+23 - 9+98	MAINLINE	70	0.064	2
TOTAL		110		4

RIPRAP MEDIUM

			606.0200
	STATION - STATION	LOCATION	CY
	9-20 - 9-25	CULVERT	4
-	TOTAL		4

WATER

			624.0100
	STATION	LOCATION	MGAL
	8+50 - 11+50 B 6+59 - B 11+71	MAINLINE BYPASS	5.20 7.40
_	TOTAL		12.60

RESTORATION ITEMS

		625.0500	629.0210	630.0110
		SALVAGED	FERTILIZER	SEEDING MIXTURE
		TOPSOIL	TYPE B	NO. 10
STATION - STATION	LOCATION	SY	CWT	LB
8+50 - 9+83	MAINLINE, RT	96	0.08	4
8+50 - 9+83	MAINLINE, LT	157	0.13	6
10+25- 11+50	MAINLINE, RT	154	0.12	6
10+25 - 11+50	MAINLINE, LT	132	0.11	5
UNDISTRIBUTED				
TOTAL		539	0.44	21

EROSION CONTROL ITEMS

		630.0200	628.1504	628.1520	628.6005	628.2004
		SEEDING	SILT	SILT FENCE	TURBIDITY	EROSION MAT
		TEMPORARY	FENCE	MAINTENANCE	BARRIER	CLASS I TYPE B
STATION - STATION	LOCATION	LB	LF	LF	SY	SY
8+50 - 9.98	MAINLINE, RT		130.5			123
8+50 - 9+98	MAINLINE, LT		130.5			168
10+55 - 11+50	MAINLINE, RT		125			194
10+06 - 11+50	MAINLINE, LT		125			164
B' 6+59 - B 8+35	BYPASS, RT	1.50	209			56
B' 6+59 - B 8+35	BYPASS, LT	1.00	209			21
B' 8+62 - B 11+71	BYPASS, RT	3.50	209			129
B' 8+62 - B 11+71	BYPASS, LT	6.00	209			231
UNDISTRIBUTED				1847	160	
TOTAL		12.00	1347	1847	160	1,086

	HWY: DAVIDSON LANE	COUNTY: VERNON	MISCELLANEOUS QUANTITIES	SHEET	E
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SHEET

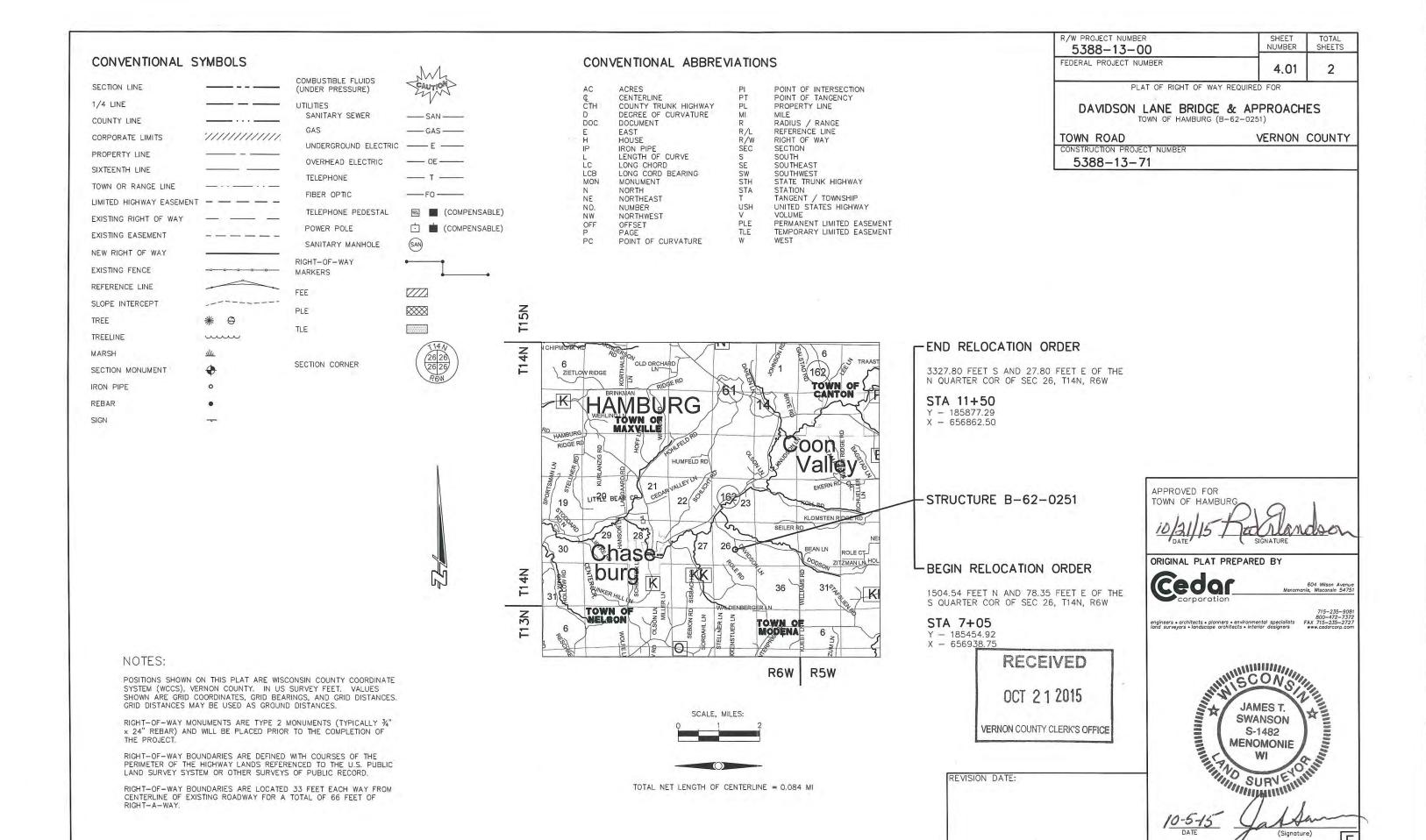
MISCELLANEOUS QUANTITIES

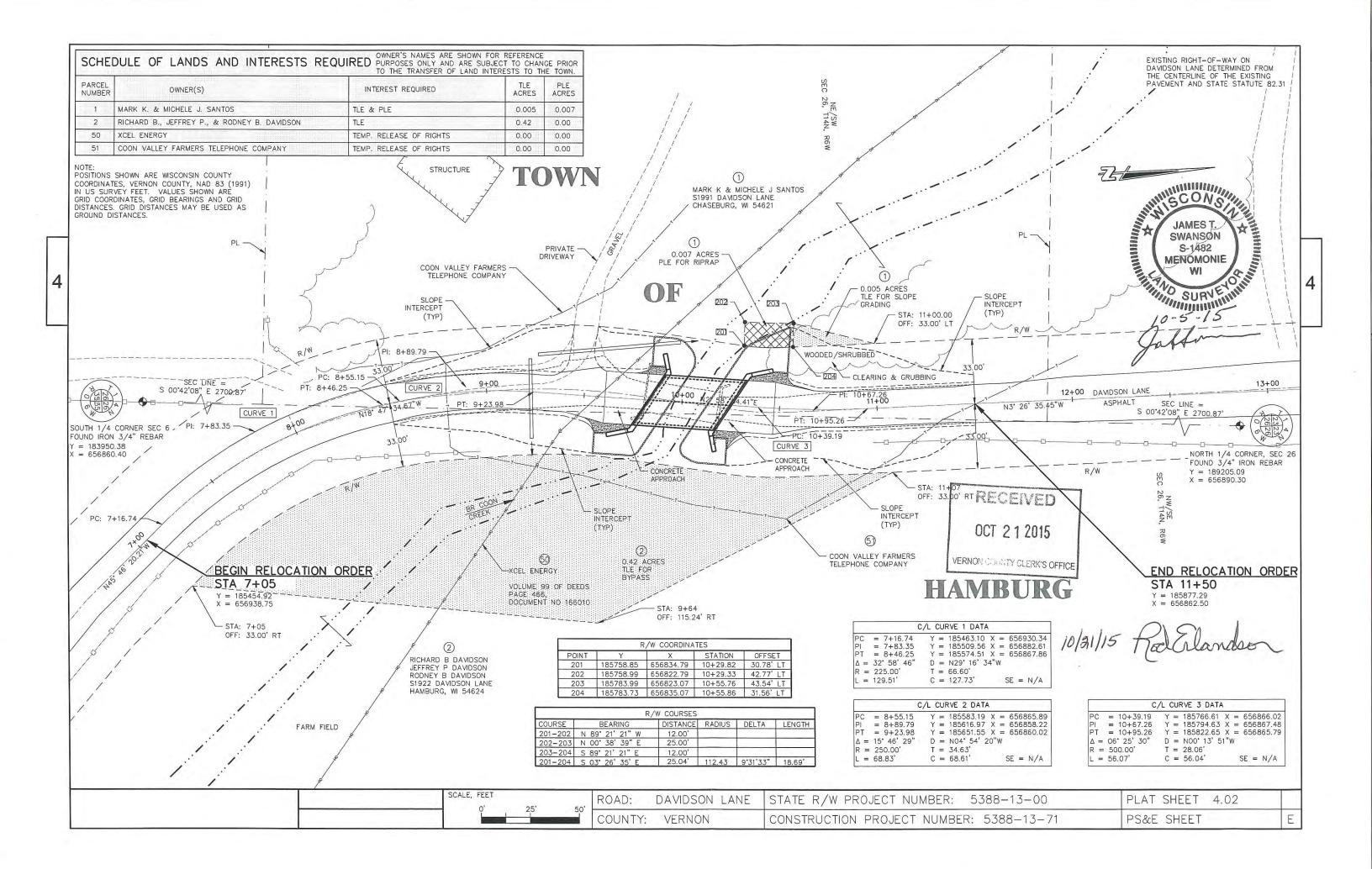
					SIGNING	DUANTITIES							
STATION - STATION	LOCATION	628.7504 LF		637.2230 SIGNS TYPE II REFLECTIVE F	634.0612 POSTS WOOD 4X6-INCH X 12-FT	638.2 REMOVIN	G SIGNS	638.3000 REMOVING SMA SIGN SUPPORT					
9+25	LT	20	LOCATION	SF	EACH	EAC	<u> </u>	EACH	DESCRIPTIO	<u>V</u>			
TOTAL		20	NW BRIDGE CORNER	3.00	1	2		2	W5-52 L				
			SW BRIDGE CORNER	3.00	1	1		1	W5-52 R				
			NE BRIDGE CORNER	3.00	1	1		1	W5-52 R				
CUL	VERT PIPE CHECKS		SE BRIDGE CORNER	3.00	1	2		2	W5-52 L				
		628.7555	TOTAL	12.00	4	6		6					
STATION - STATION	LOCATION	EA											
9+25	LT	3											
9+35	LT	3											
TOTAL		6							TRAFFIC CONTR	DL			
						CALENDAR	633.110 DELINEAT TEMPORA	ORS TRAI	FFIC 643.0300	643.0420 BARRICADES TYPE III	643.0705 WARNING LIGHTS TYPE A	643.0715 WARNING LIGHTS TYPE C	643.0900 SIGNS
CEOTE	EXTILE FABRIC TYPE C			LOC	CATION	DAYS	EACH	EA		DAYS	DAYS	DAYS	DAYS
GEOTE	MILE PADRIC TIPE C			BY	/PASS	66	27	-	1452	1320	1584	1320	2640
STATION - STATION	LOCATION	645.0105 SY		PROJEC	Г 5388-13-71	66			1				
B 6+59 - B 8+33	BYPASS	420		TO	DTALS		27		1 1452	1320	1584	1320	2640
B 8+61 - B 11+71	BYPASS	1060											
TOTAL		1480											
					CONSTRU	JCTION STAKI	NG					SAWING ASPHALT	
								650.9910					690.0150
GEOTE	XTILE FABRIC TYPE HR							SUPPLEMENTAL			STATION	LOCATION	LF
		695.0120					50.5000	CONTROL	650.9920		8+50	BEGIN PROJECT	20
STATION - STATION	LOCATION	SY	STATION - S	TATION LO			BASE	5388-13-70 LS	SLOPE STAKES		8+50 11+50	END PROJECT	20
9+20 - 9+25	CULVERT	4				<u>F</u>	LF		LF		TOTAL		40
TOTAL		4	8+50 - 11 B 6+59 - B			58 12	258512	1 	258 512		TOTAL		40

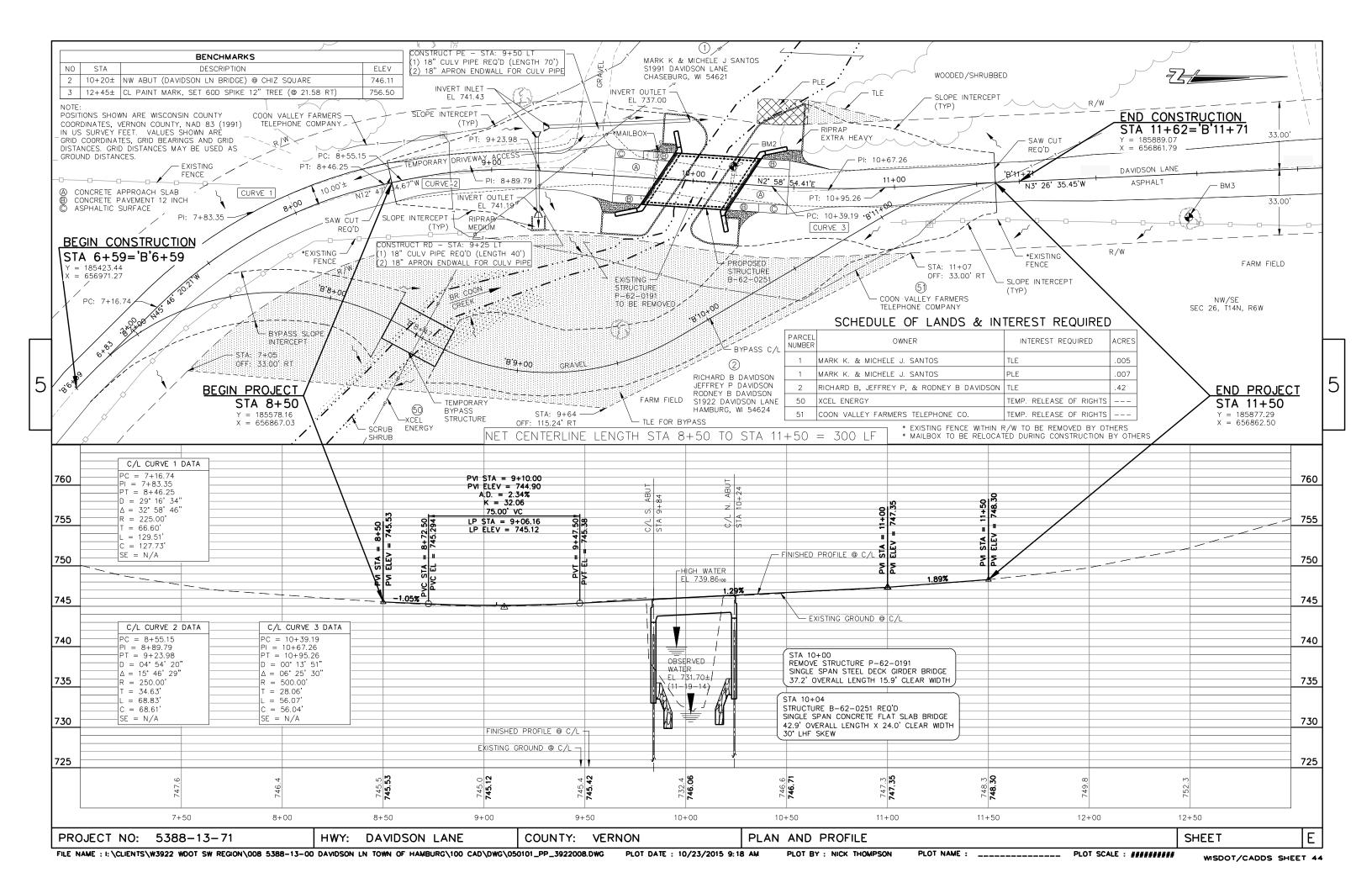
COUNTY: VERNON

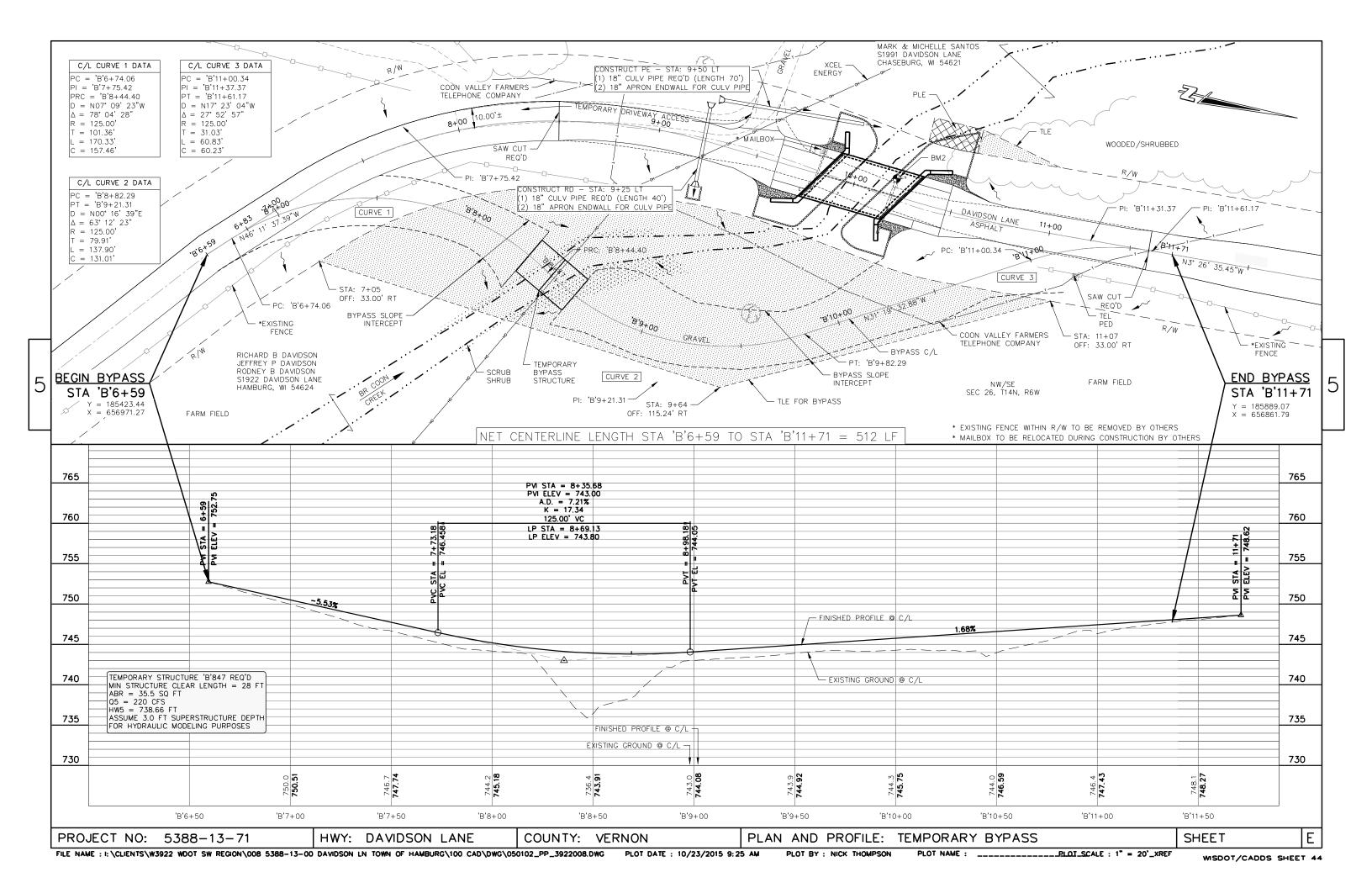
HWY: DAVIDSON LANE

PROJECT NO: 5388-13-71





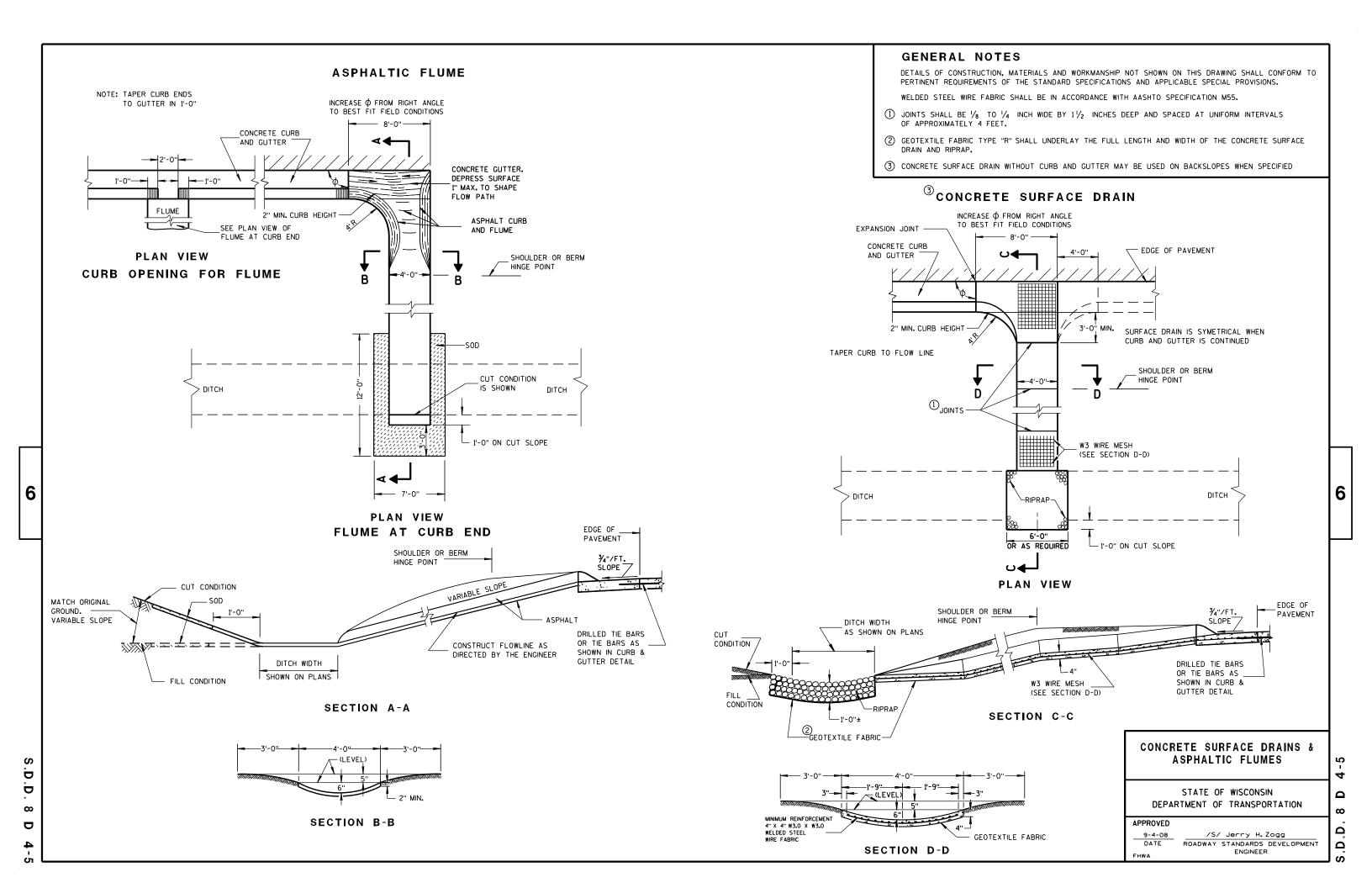




Standard Detail Drawing List

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
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
12A03-10	NAME PLATE (STRUCTURES)
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
15A02-08	DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15D31-02	TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY

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GENERAL NOTES

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

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



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

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



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

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

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GENERAL NOTES

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

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

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





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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

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

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







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

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

DIMPLED BAND MAY BE USED WITH HELICALLY

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

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

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

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

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



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





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

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

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

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



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

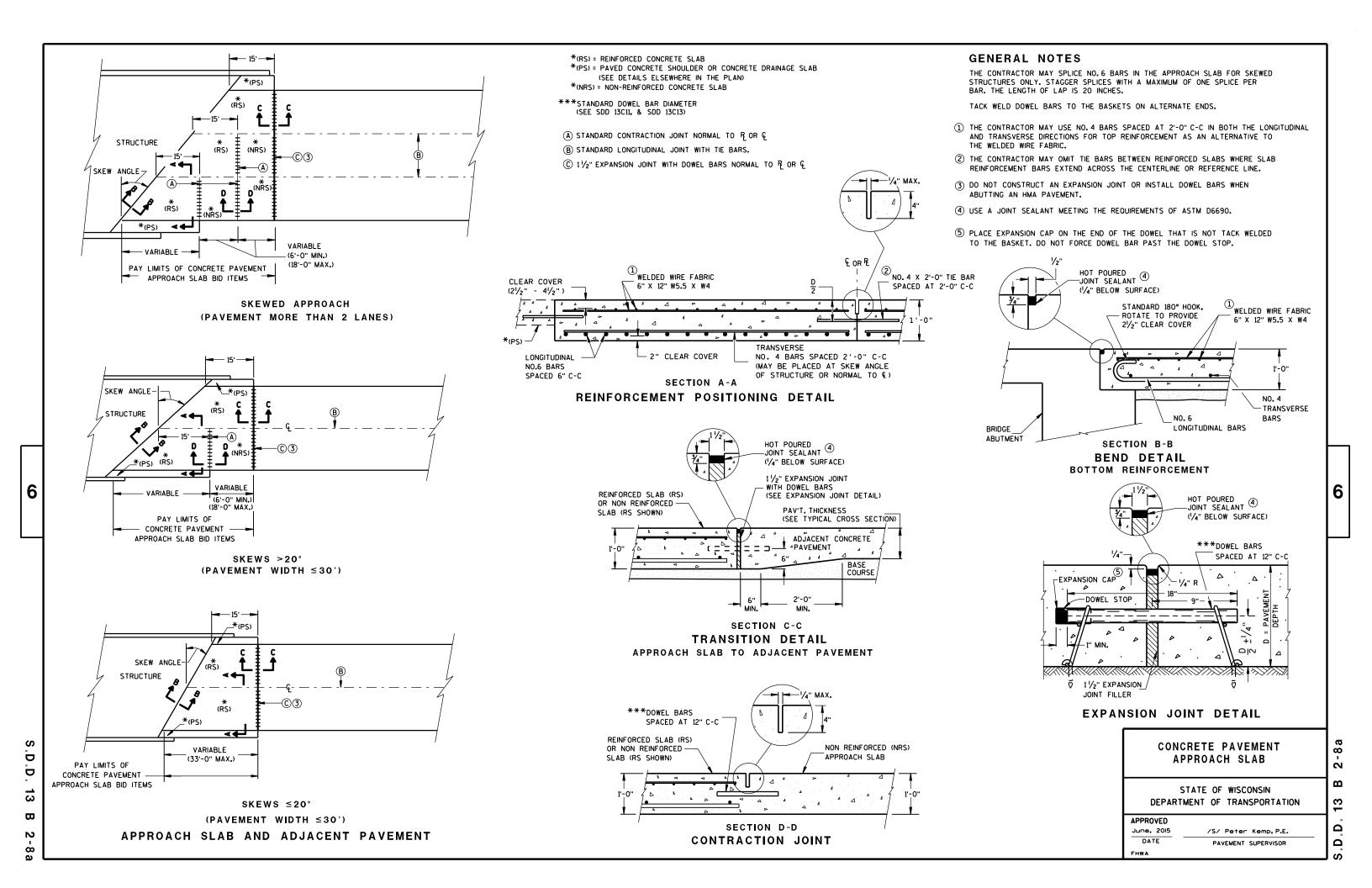
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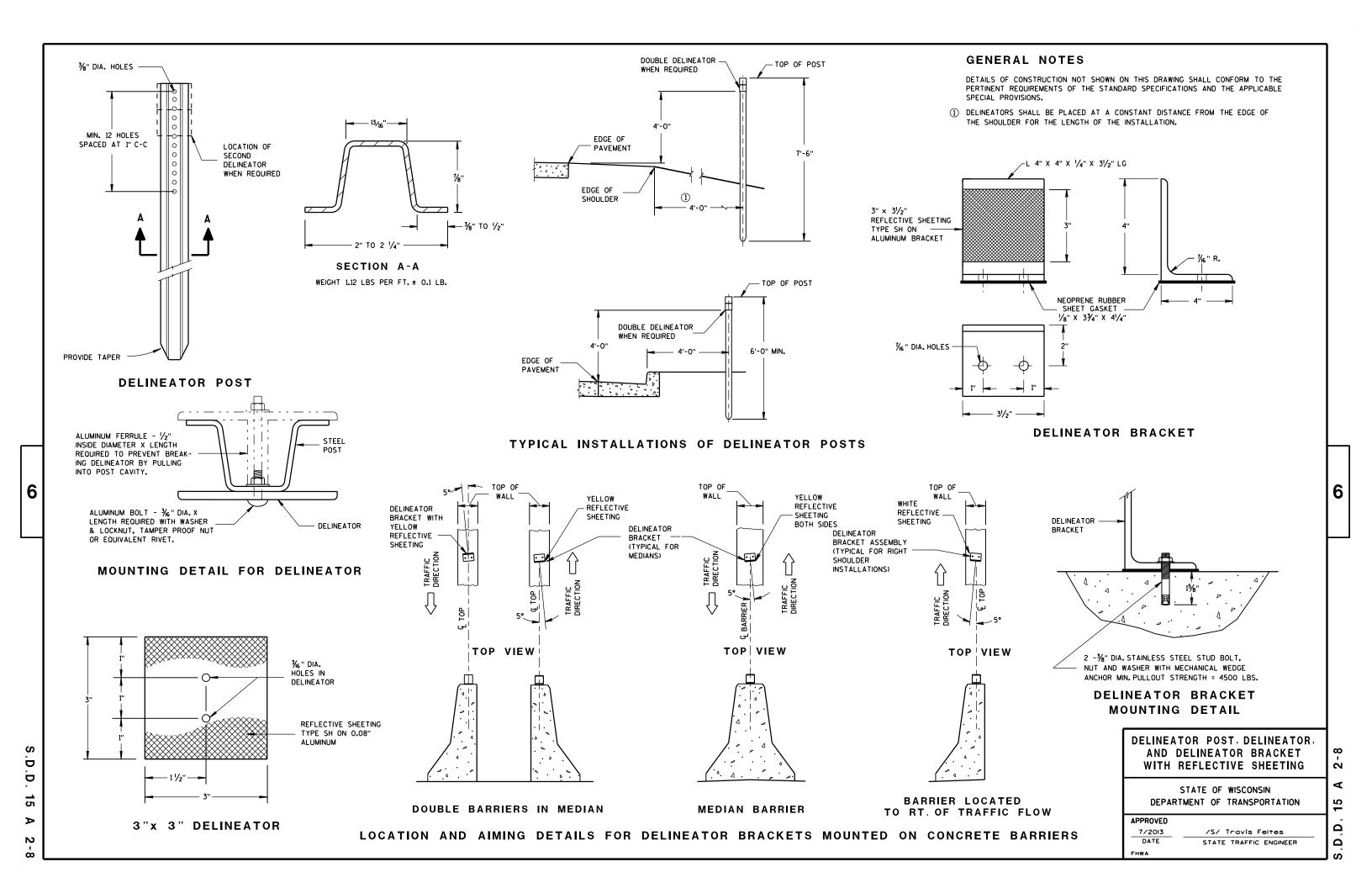
3/26/IO /S/ SCOT BECKET

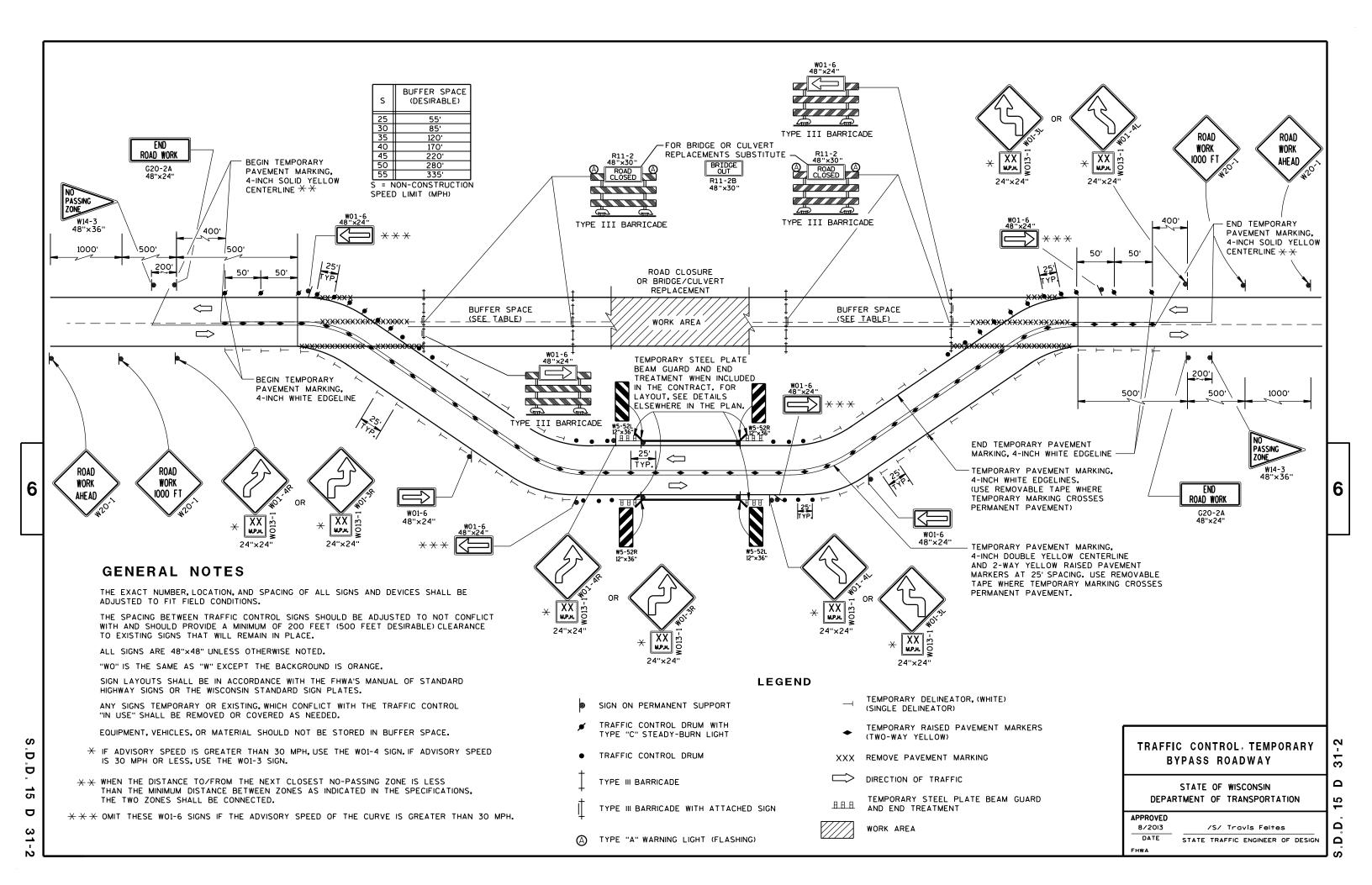
CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.D. 12 A

3-10



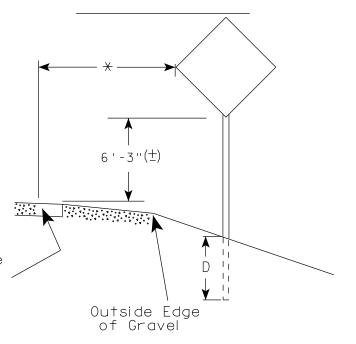




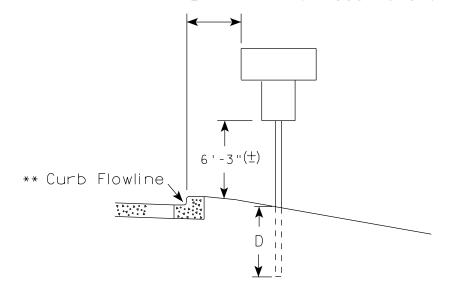
URBAN ARFA

2' Min - 4' Max (See Note 6) 7'-3"(士) ** Curb Flowline. White Edgeline Location

RURAL AREA (See Note 2)



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



5'-3"(生) A POLICE AND A POL D^{-1} Outside Edae of Gravel

White Edgeline Location

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated.

HWY:

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 DATE: 12-NOV-2014 14:03

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 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 signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (\pm).

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 11/12/14

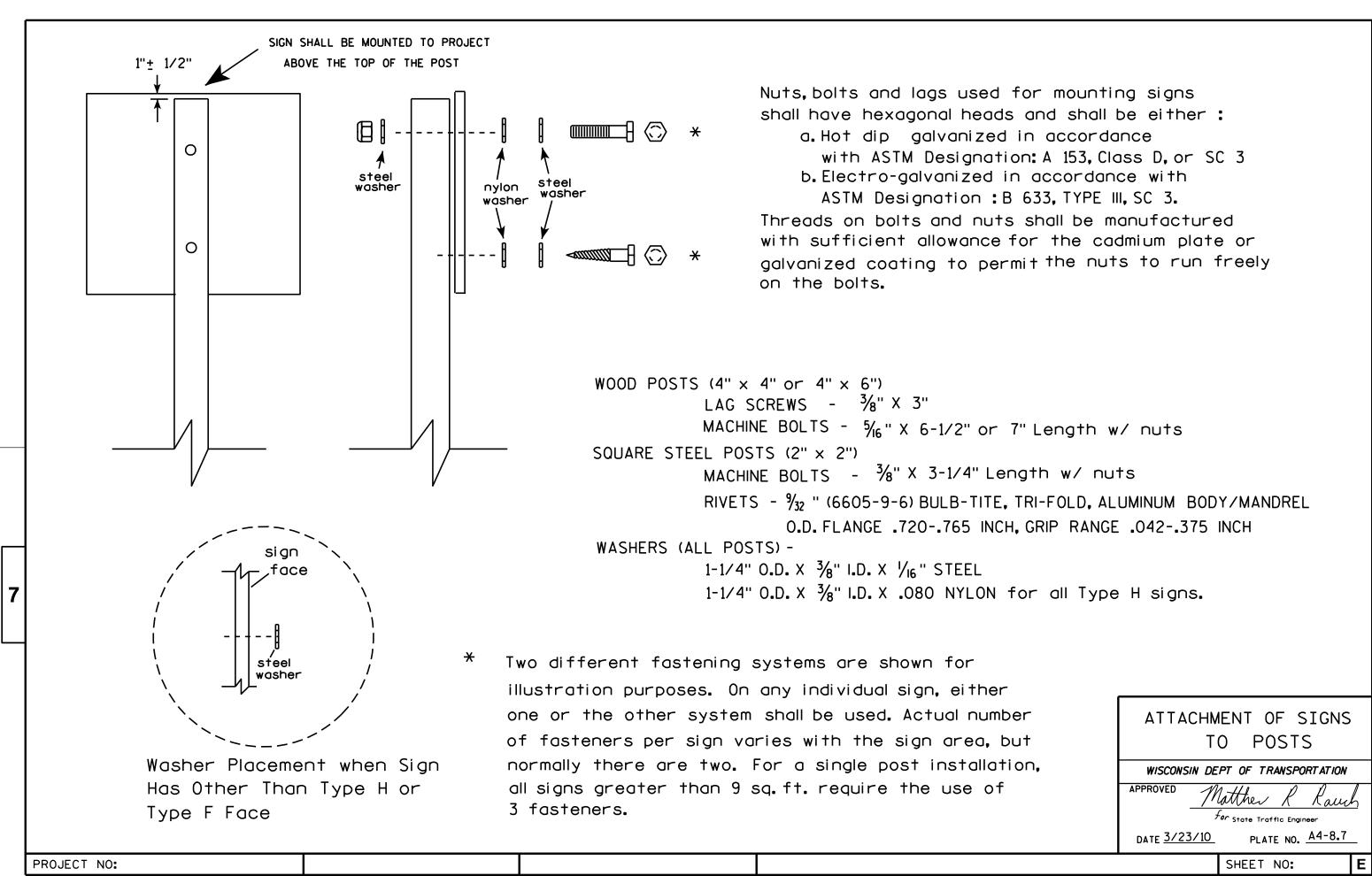
PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43.DGN COUNTY:

PLOT BY: mscsja

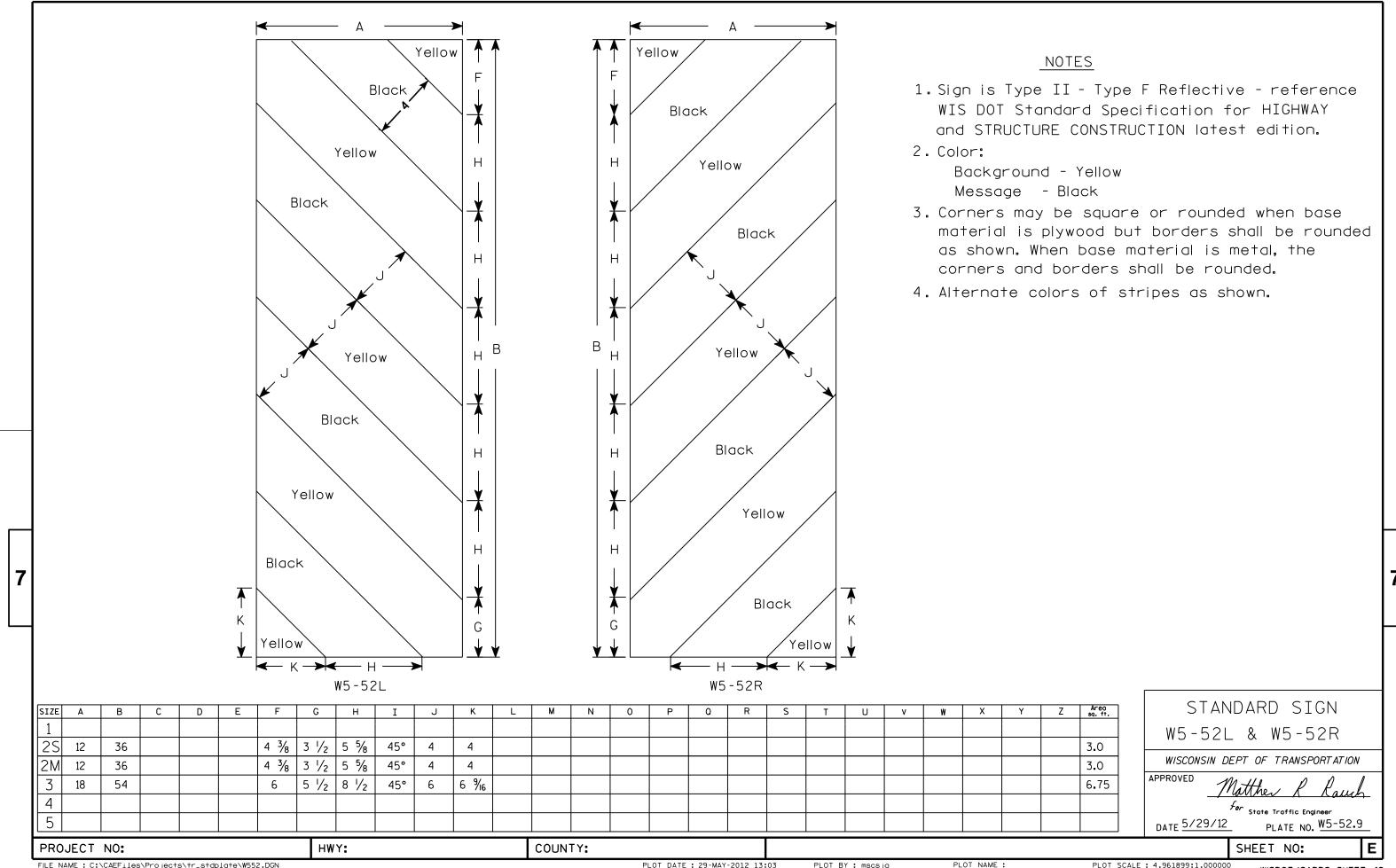
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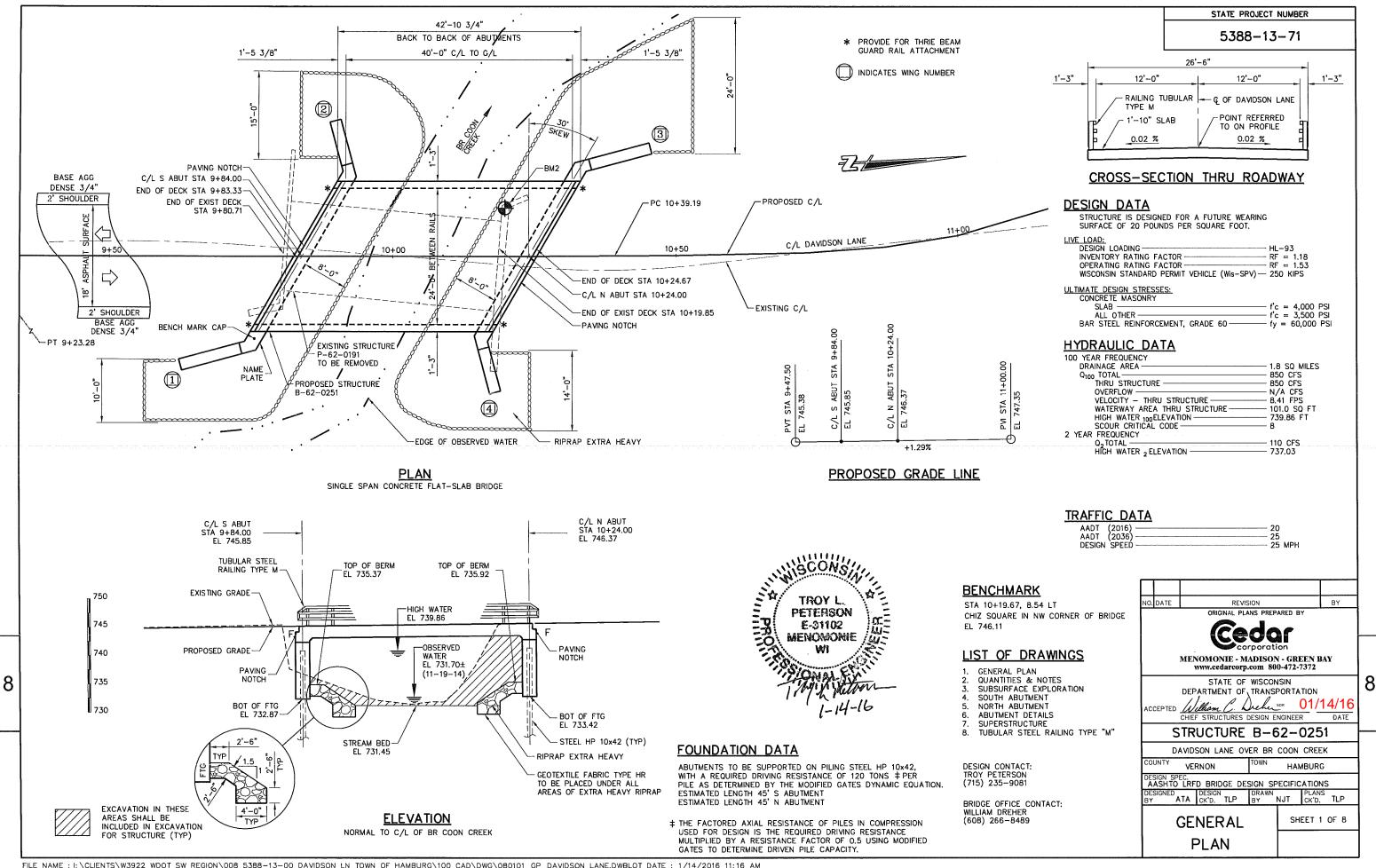
WISDOT/CADDS SHEET 42

PLOT SCALE: 99.237937:1.000000









TOTAL ESTIMATED QUANTITIES

		UNIT	S ABUT	N ABUT	SUPER	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA 10+04	LS				1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-62-0251	LS				1
210.0100	BACKFILL STRUCTURE	CY	200	200		400
502.0100	CONCRETE MASONRY BRIDGES	CY	53.5	53.5	80	187
502.3200 F	PROTECTIVE SURFACE TREATMENT	SY			145	145
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2610	2610		5220
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1760	1760	15100	18620
526.0100	TEMPORARY STRUCTURE ('B'8+47)	LS				1
550.0500 F	PILE POINTS	EA	7	7		14
550.1100 F	PILING STEEL HP 10-INCH x 42 LB	LS	315	315		630
513.4061 F	RAILING TUBULAR TYPE M STRUCTURE B-62-0251	LF			78	78
516.0500 F	RUBBERIZED MEMBRANE WATERPROOFING	SY	6	6		12
606.0400 F	RIPRAP EXTRA HEAVY	CY	90	110		200
612.0406 F	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	90	90		180
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	150	180		330

NON-BID ITEMS

FILLER

8

-PLATE 3/8 " x 5" x 5" DOUBLER PLATE AT FLANGE-WELD DETAIL , -GRIND FLUSH WELD UNDER DOUBLER PLATE WELD SEE HP 3/16" STEEL "HP" WELD DETAIL – PILING – 1/4"/ 3/16" HP 10 x 42 IF DOUBLER PLATE IS 3/8" HP WELD DETAIL FLANGE SHOWN, WEB SIMILAR STEEL HP PILING PLACED FIRST

PILE SPLICE DETAILS

SIZE

1/2 & 3/4

STATE PROJECT NUMBER

5388-13-71

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

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

ALL REINFORCING BARS ARE ENGLISH. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

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

STEEL 'HP' PILE MATERIAL SHALL BE A.S.T.M. DESIGNATION A36.

THE EXISTING STRUCTURE (P-62-0191) IS A 39.5' LONG BY 15.8' CLEAR WIDTH SINGLE SPAN STEEL DECK GIRDER BRIDGE.

THE PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP AND EDGES OF THE SLAB AND TO THE OUTSIDE 1'-0" OF THE UNDERSIDE OF THE SLAB.

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

THE GRADATION OF THE BACKFILL STRUCTURE SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

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.

8

NO. DATE REVISION BY

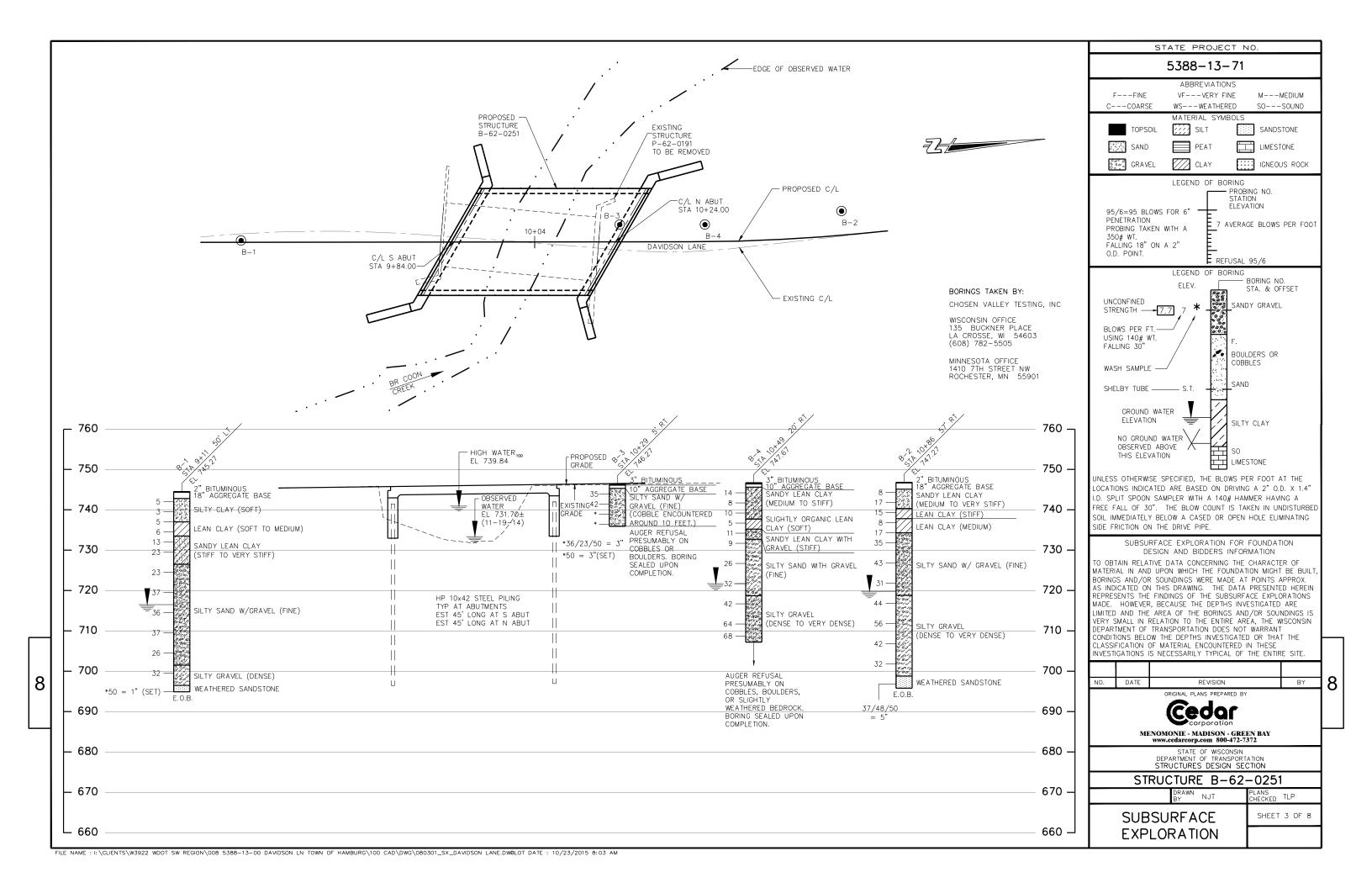
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION

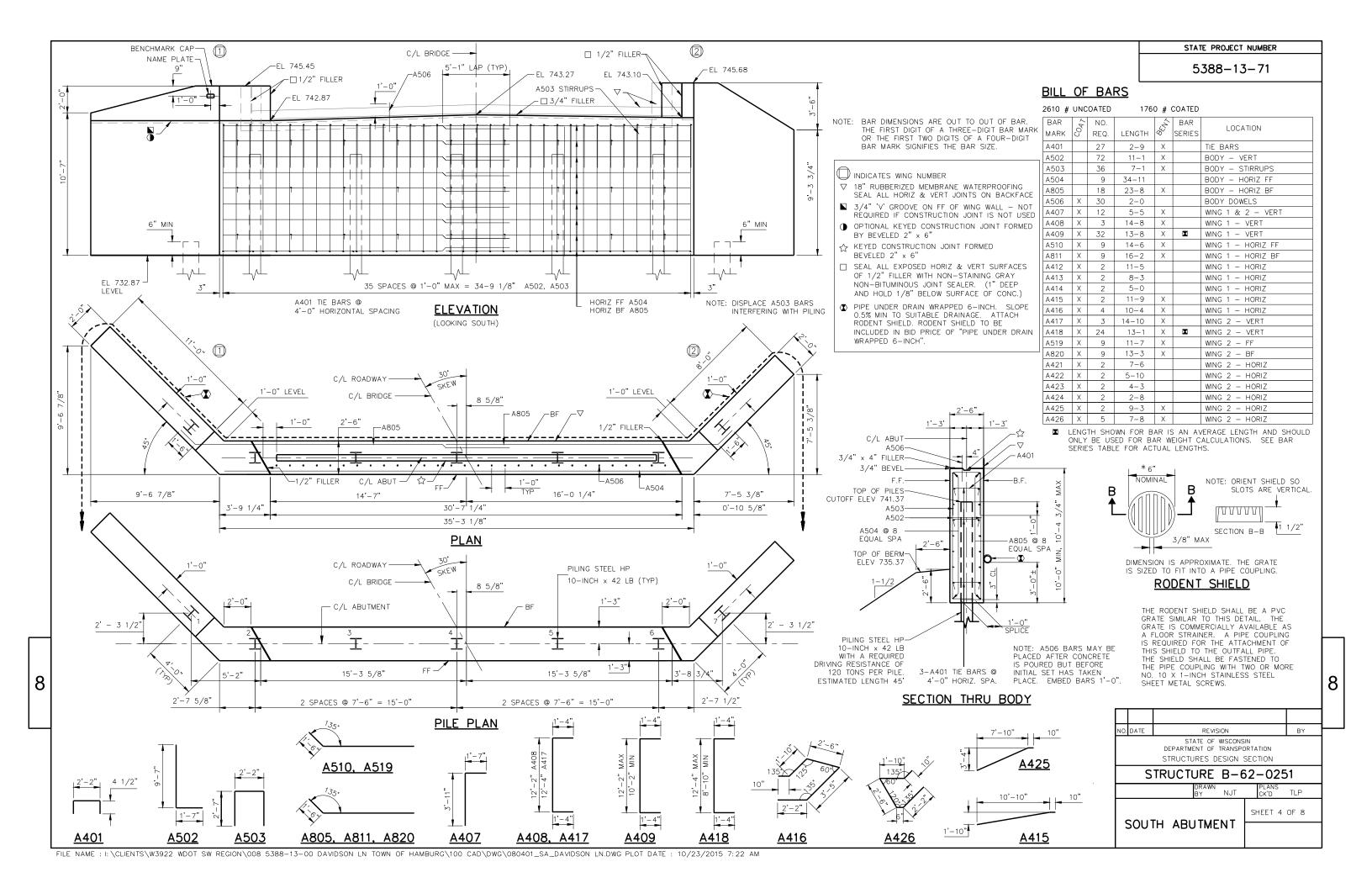
STRUCTURE B-62-0251

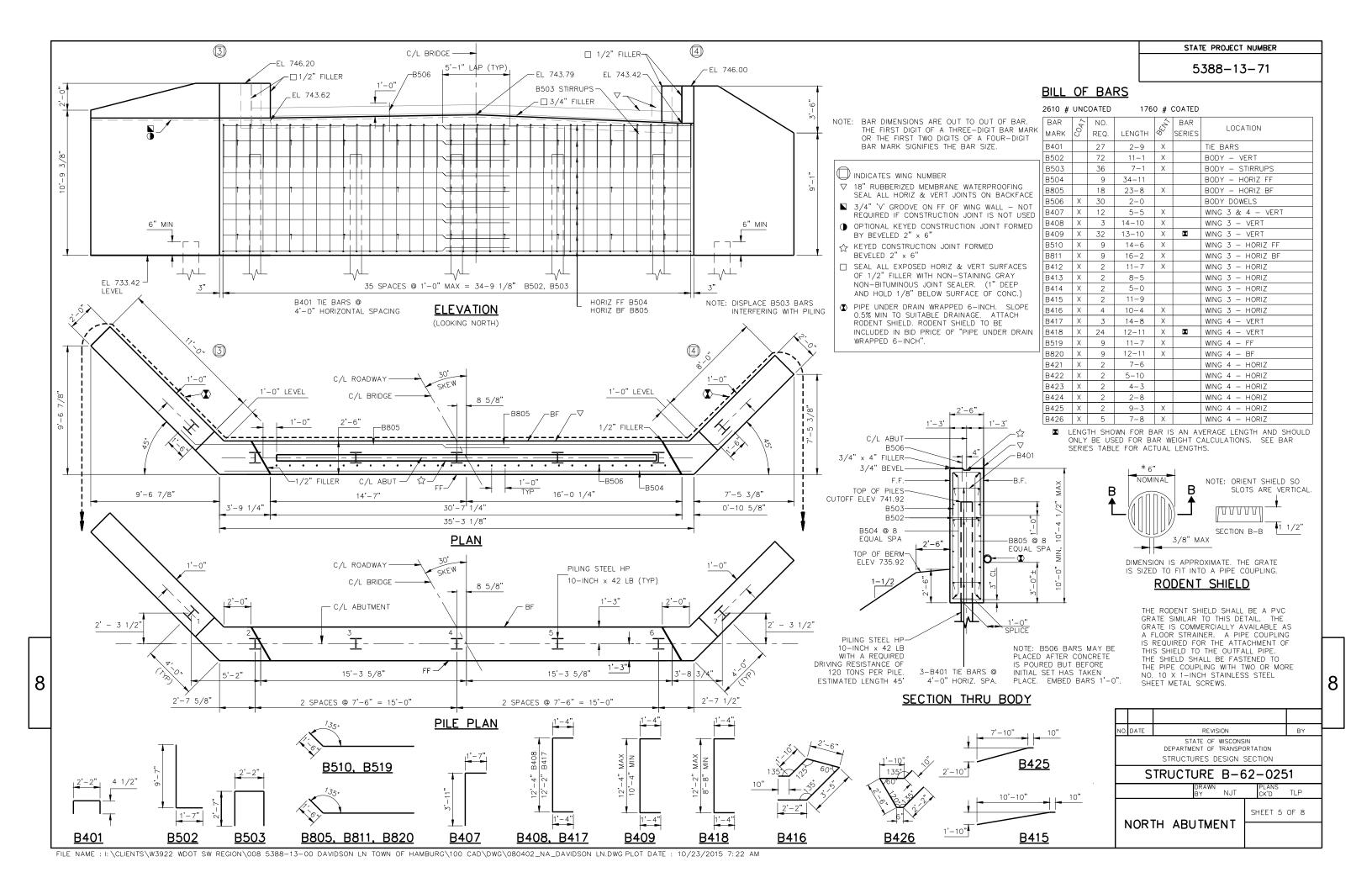
DRAWN NJT PLANS TLP

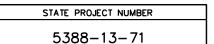
QUANTITIES & SHEET 2 OF 8

NOTES





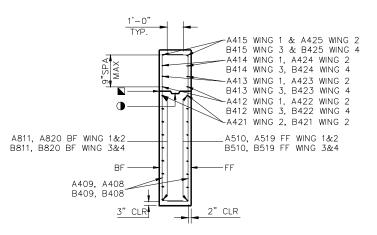




BAR SERIES TABLE

MARK	NO. REQUIRED	LENGTH
A409	2 SERIES OF 16	12'-8" TO 14'-8"
A418	2 SERIES OF 12	11'-4" TO 14'-10"
B409	2 SERIES OF 16	12'-10" TO 14'-10"
B418	2 SERIES OF 12	11'-2" TO 14'-8"

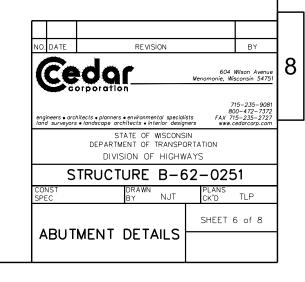
BUNDLE AND TAG EACH SERIES SEPARATELY

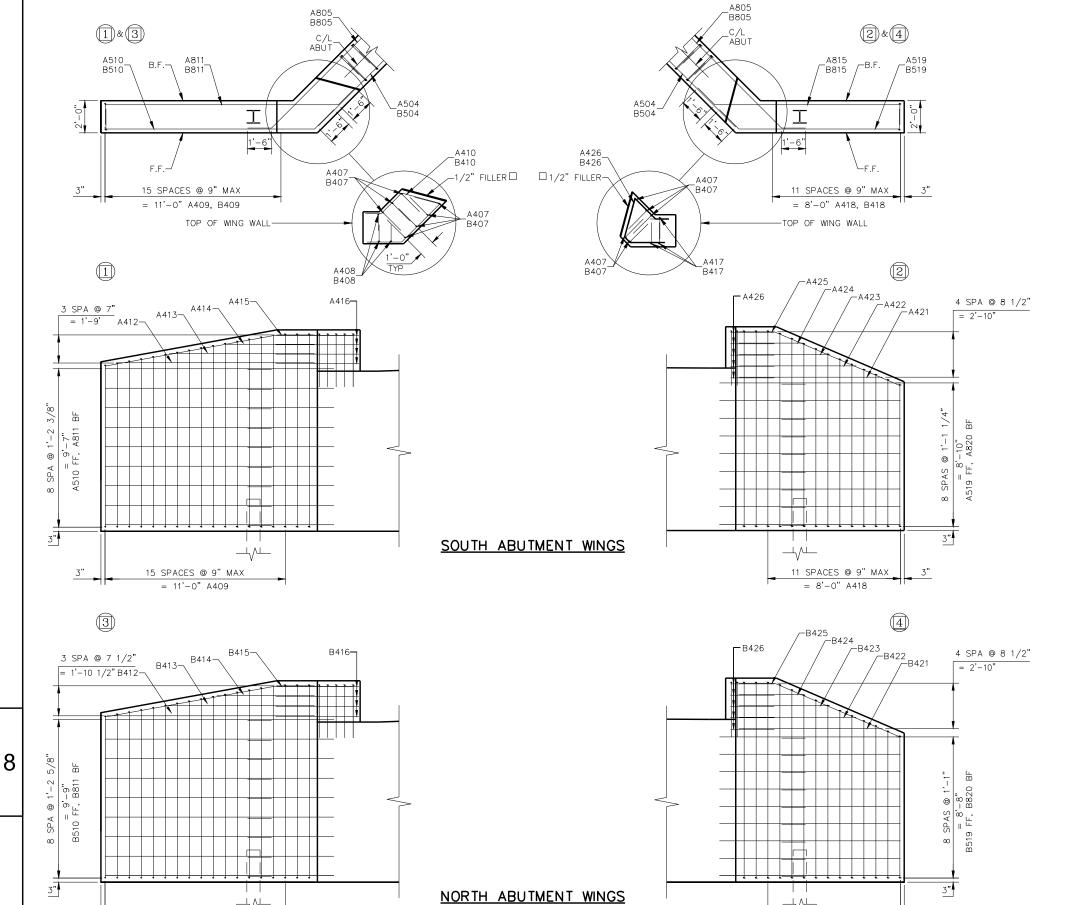


BF = BACK FACE FF = FRONT FACE

TYPICAL SECTION THRU WING

- 3/4" 'V' GROOVE ON FF OF WING WALL NOT REQUIRED IF CONSTRUCTION JOINT IS NOT USED
- OPTIONAL KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6"



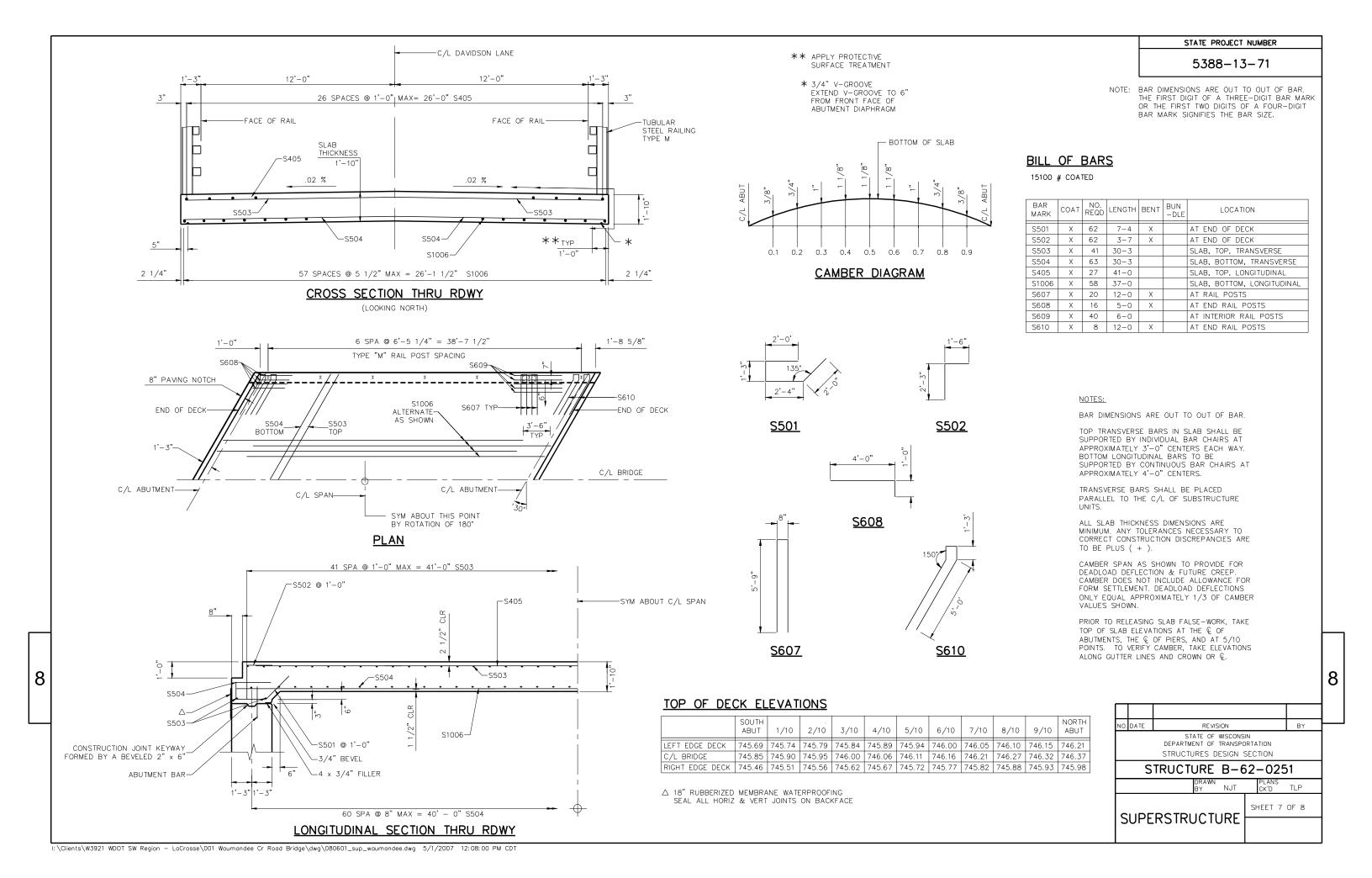


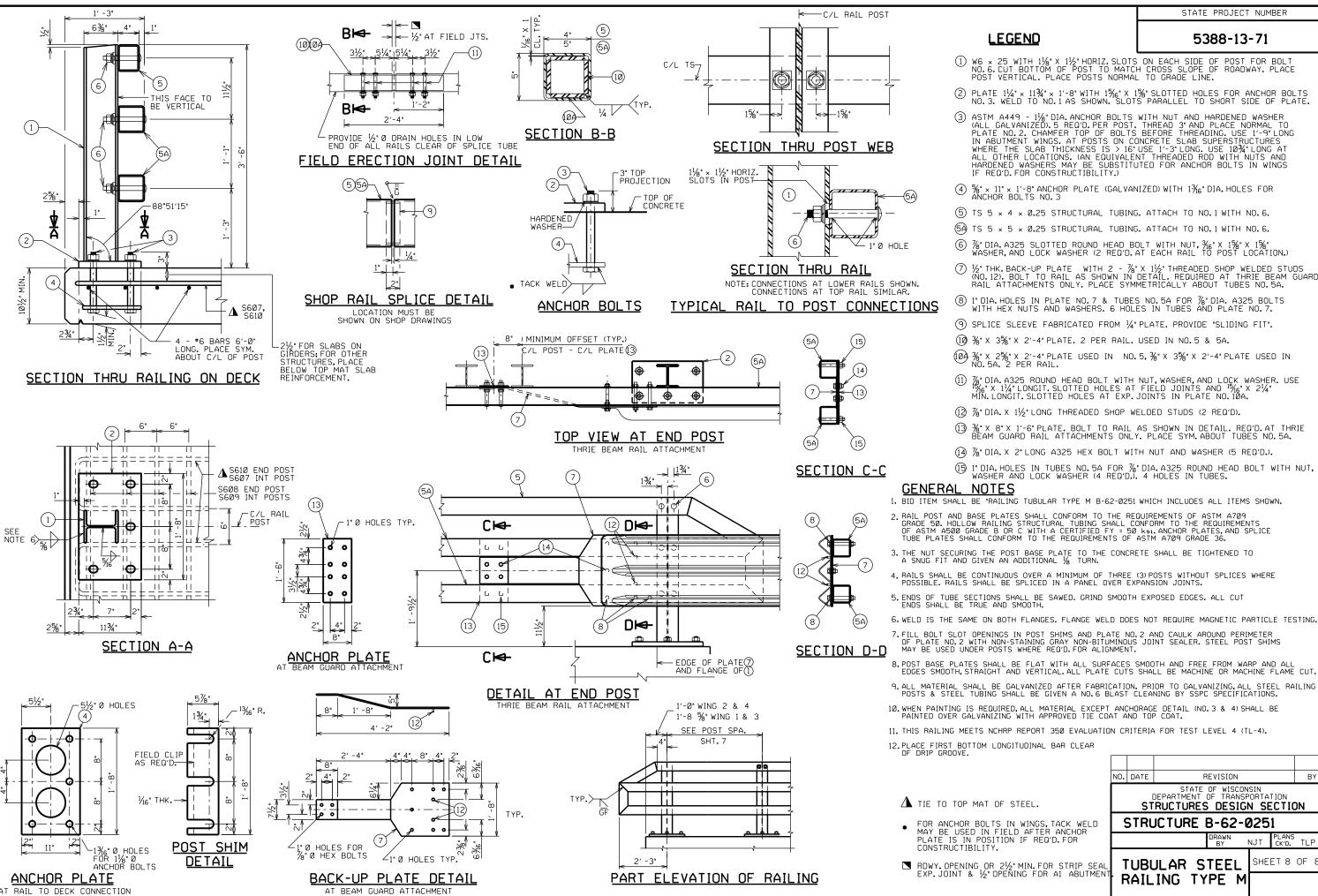
11 SPACES @ 9" MAX

= 8'-0" B418

15 SPACES @ 9" MAX

= 11'-0" B409





5388-13-71

1 W6 x 25 WITH 1% X 1% HORIZ. SLOTS ON EACH SIDE OF POST FOR BOLT NO.6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE

3 ASTM A449 - 11/8" DIA. ANCHOR BOLTS WITH NUT AND HARDENED WASHER (ALL GALVANIZED). 5 REO'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING. USE 1'-9" LONG IN ABUTMENT WINGS. AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 16" USE 1'-3" LONG, USE 10 1/2" LONG AT ALL OTHER LOCATIONS. (AN EQUIVALENT THREADED ROD WITH NUTS AND HARDENED WASHERS MAY BE SUBSTITUTED FOR ANCHOR BOLTS IN WINGS IF REO'D FOR CONSTRUCTIBILITY)

7 ½" THK. BACK-UP PLATE WITH 2 - %" X 1½" THREADED SHOP WELDED STUDS (NO. 12). BOLT TO RAIL AS SHOWN IN DETAIL. REQUIRED AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES NO. 5A.

1. BID ITEM SHALL BE "RAILING TUBULAR TYPE M B-62-0251 WHICH INCLUDES ALL ITEMS SHOWN.

8. POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION STRUCTURE B-62-0251 NJT PLANS

RAILING TYPE M

SHEET 8 OF 8

8

			AREA (SF)			INCREMENTAL V	OL (CY) - (UNADJU	JSTED)	CUMULATIVE VO		
STATION	REAL STATION	DISTANCE (FT)	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
8+50	850	0	30.0	4.5	0.0	0.0	0.0	0.0	1.0	0.0	1.0
9+00	900	50	22.4	4.5	0.6	48.5	8.3	0.6	49.5	0.8	48.7
9+23	923	23	25.9	4.5	2.1	20.6	3.8	1.1	70.1	2.1	68.0
9+50	950	27	17.0	4.5	8.9	21.4	4.5	5.5	91.5	9.0	82.5
9+83	983	33	17.0	4.5	8.9	20.8	5.5	10.9	112.3	22.7	89.6
						111.3	22.1	18.1			

			AREA (SF)			INCREMENTAL V	OL (CY) - (UNADJU	JSTED)	CUMULATIVE VOL (CY)		
STATION	REAL STATION	DISTANCE (FT)	сит	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
10+25	1025	0	24.8	4.5	44.3	23.0	0.0	41.0	23.0	51.3	-28.3
10+50	1050	25	24.8	4.5	44.3	71.2	4.2	41.0	94.2	102.6	-8.4
11+00	1100	50	52.1	4.5	0.0	81.6	8.3	0.0	175.4	102.6	72.8
11+50	1150	50	36.0	4.5	0.0	0.0	8.3	0.0	176.4	102.6	73.8
						175.8	20.8	82.0			

PROJECT NO: 5388-13-71 HWY: DAVIDSON LANE COUNTY: VERNON EARTHWORK - MAINLINE SHEET **E**

			AREA (SF)			INCREMENTAL V	OL (CY) - (UNADJI	USTED)	CUMULATIVE VO		
STATION	REAL STATION	DISTANCE (FT)	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
B 6+59	659	0	8.7	0	0.0	1.0	0	0.0	1.0	0.0	1.0
B 7+00	700	41	0.0	0	3.0	6.6	0	2.3	7.6	2.9	4.7
B 7+50	750	50	0.0	0	11.9	0.0	0	13.8	7.6	20.1	-12.5
B 8+00	800	50	0.0	0	9.8	0.0	0	20.1	7.6	45.3	-37.7
B 8+33	833	33	0.0	0	9.8	0.0	0	12.0	7.6	60.3	-52.7
						7.6	0	48.2			

			AREA (SF)			INCREMENTAL VOL (CY) - (UNADJUSTED)			CUMULATIVE VO		
STATION	REAL STATION	DISTANCE (FT)	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
B 8+61	861	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0
B 9+00	900	39	0.0	0	43.6	0.0	0	31.5	0.0	39.4	-39.4
B 9+50	950	50	0.0	0	12.6	0.0	0	52.0	0.0	104.4	-104.4
B 10+00	1000	50	0.0	0	22.2	0.0	0	32.2	0.0	144.6	-144.6
B 10+50	1050	50	0.0	0	80.9	0.0	0	95.5	0.0	264.0	-264.0
B 11+00	1100	50	4.8	0	2.5	4.5	0	77.2	4.5	360.5	-356.0
B 11+50	1150	50	0.0	0	0.3	4.5	0	2.6	9.0	363.8	-354.8
B 11+71	1171	21	0.0	0	0.3	0.0	0	0.2	0.0	364.0	-364.0
_						9.0	0	291.2			

PROJECT NO: 5388-13-71 HWY: DAVIDSON LANE COUNTY: VERNON EARTHWORK – TEMPORARY BYPASS SHEET **E**

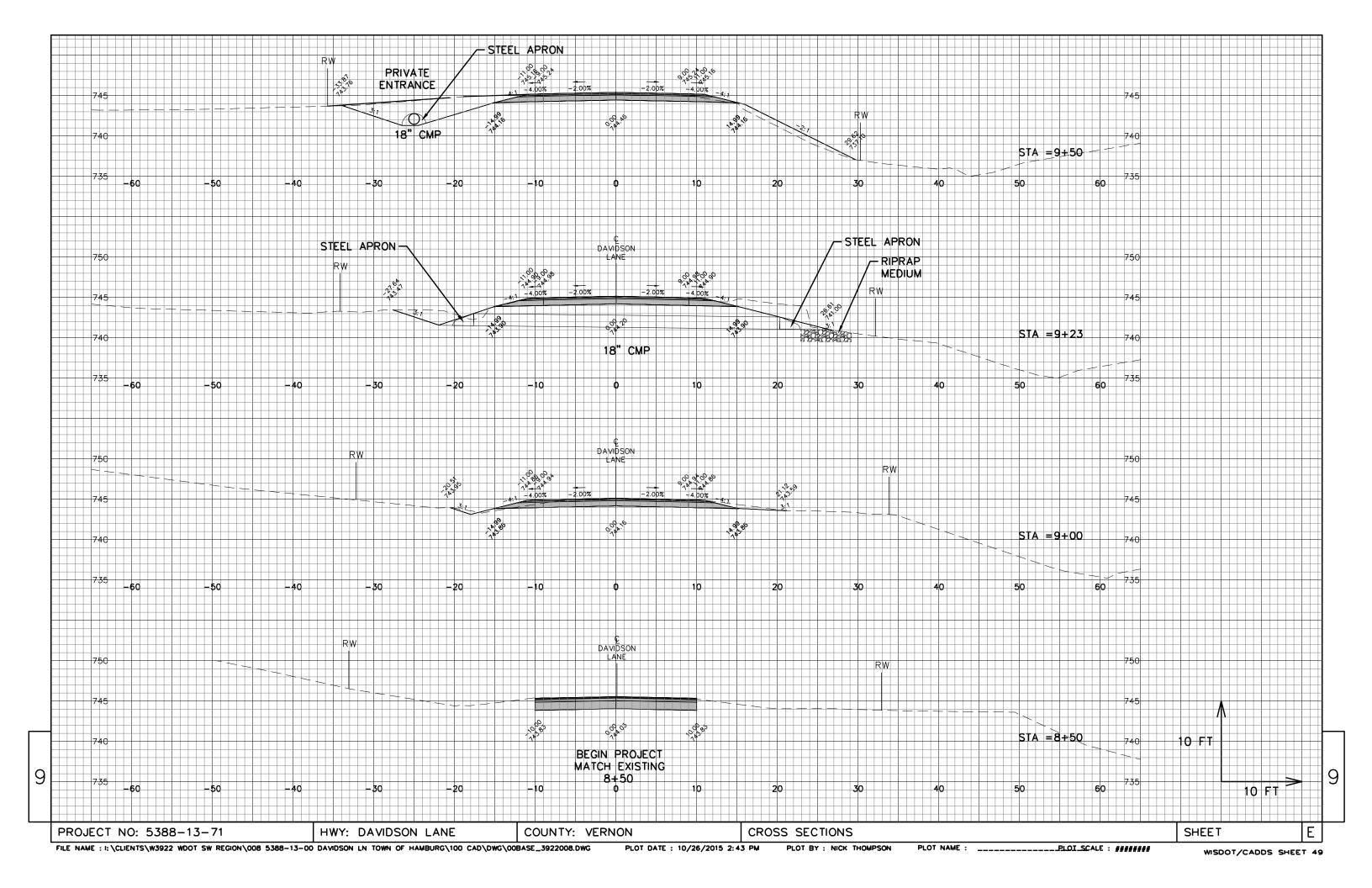
			AREA (SF)			INCREMENTAL V	OL (CY) - (UNADJU	JSTED)	CUMULATIVE VO		
STATION	REAL STATION	DISTANCE (FT)	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
B 6+59	659	0	9.3	0	8.7	1.0	0	0.0	1.0	0.00	1.0
B 7+00	700	41	12.3	0	0.0	16.4	0	6.6	15.4	8.25	6.7
B 7+50	750	50	21.2	0	0.0	31.0	0	0.0	48.4	8.75	39.65
B 8+00	800	50	19.1	0	0.0	37.3	0	0.0	85.7	8.75	76.95
B 8+33	833	33	19.1	0	0.0	23.3	0	0.0	109.0	8.75	100.3
						109	0	6.6		8.75	

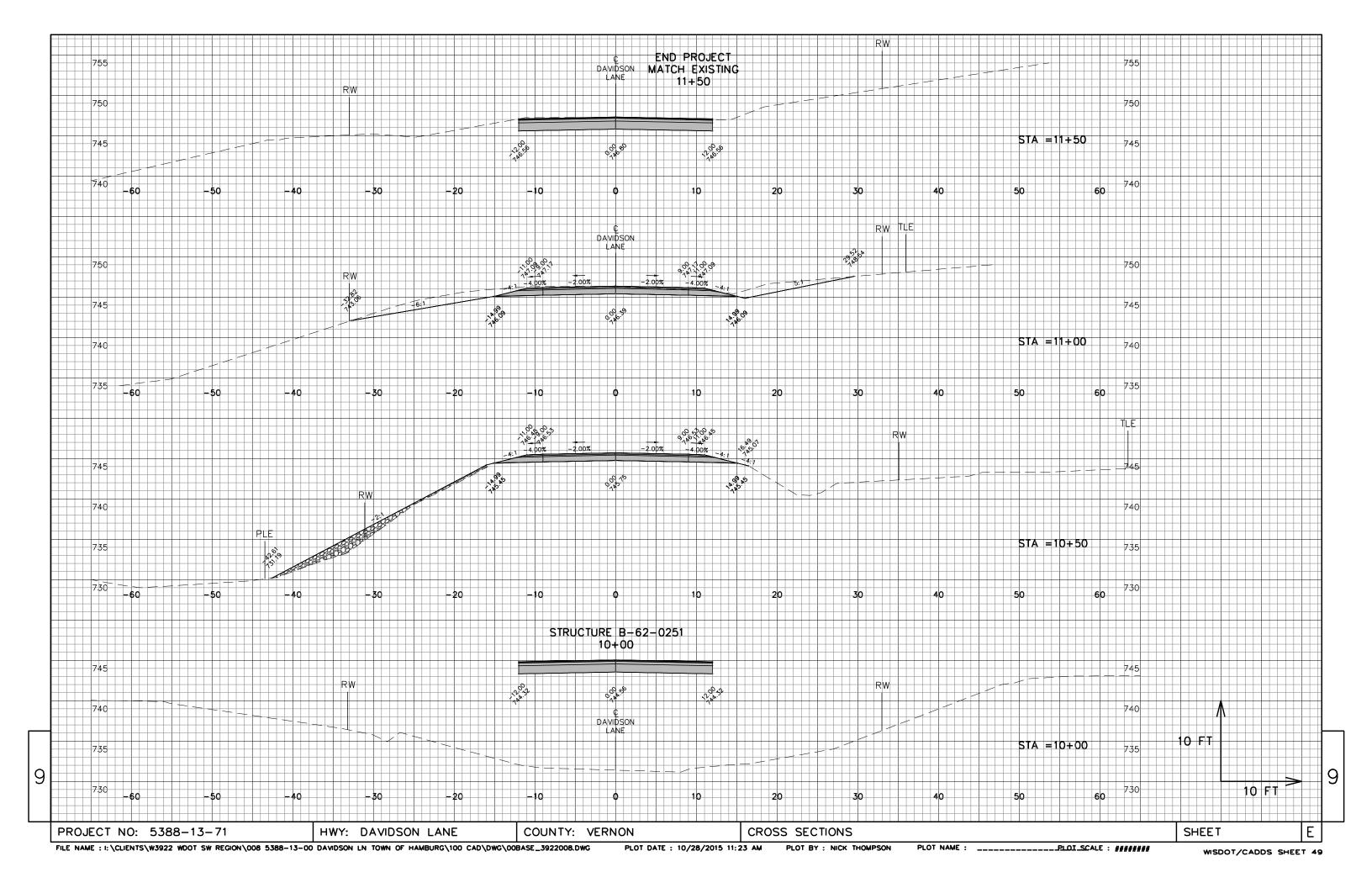
			AREA (SF)			INCREMENTAL V	INCREMENTAL VOL (CY) - (UNADJUSTED)			L (CY)	
STATION	REAL STATION	DISTANCE (FT)	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	СИТ	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
B 8+61	861	0	9.3	0	0.0	0.0	0	0.0	0.0	0.0	0.0
B 9+00	900	39	52.9	0	0.0	44.9	0	0.0	44.9	0.0	44.9
B 9+50	950	50	21.9	0	0.0	69.3	0	0.0	114.2	0.0	114.2
B 10+00	1000	50	31.5	0	0.0	49.4	0	0.0	163.6	0.0	163.6
B 10+50	1050	50	90.2	0	0.0	112.7	0	0.0	276.3	0.0	276.3
B 11+00	1100	50	11.8	0	4.83	94.4	0	4.5	370.7	5.6	370.7
B 11+50	1150	50	9.6	0	0.0	19.8	0	4.5	390.5	11.25	390.5
B 11+71	1171	21	9.6	0	0.0	7.5	0	0.0	398.0	11.25	398.0
						398.0	0	9.0			

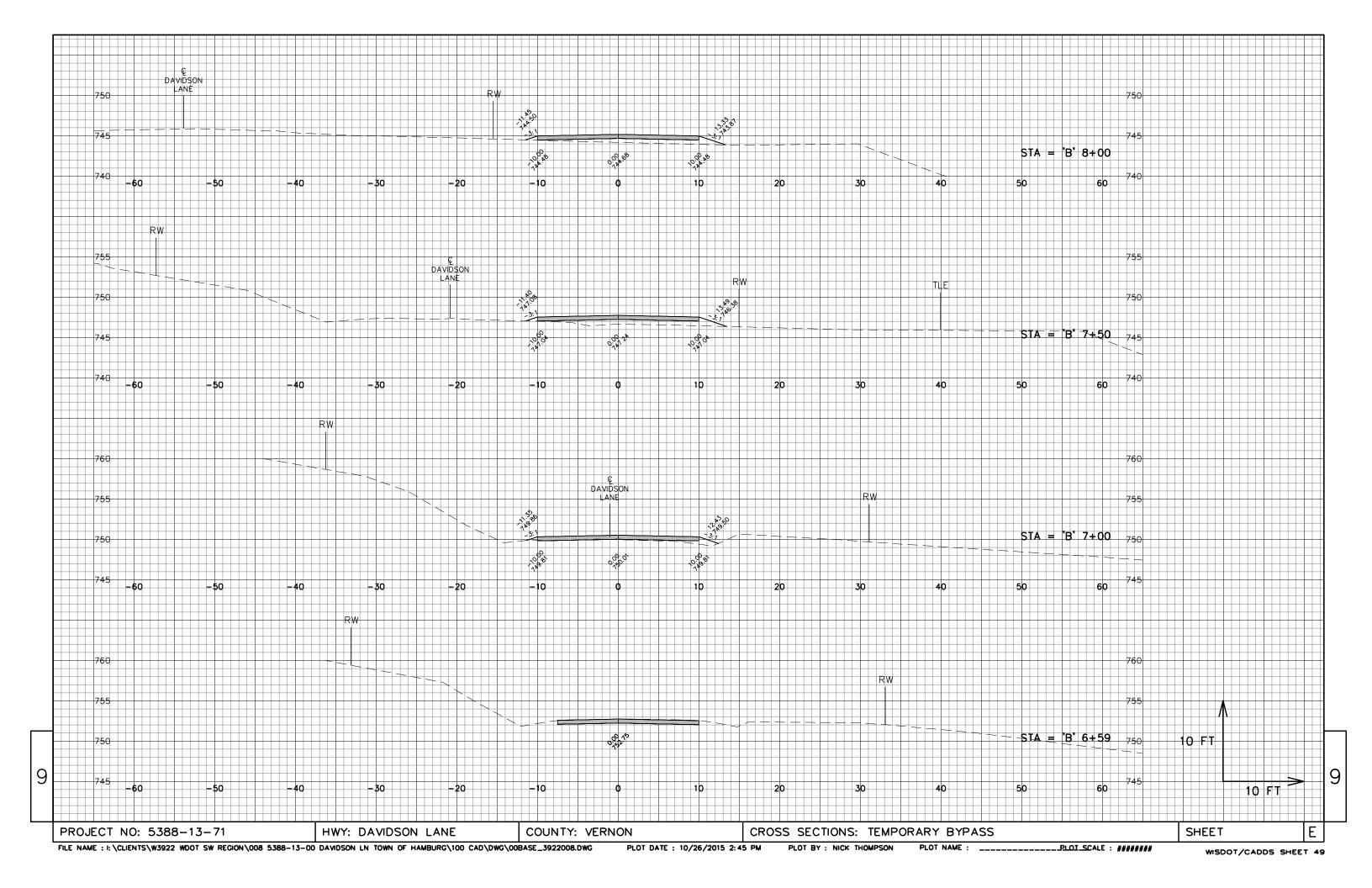
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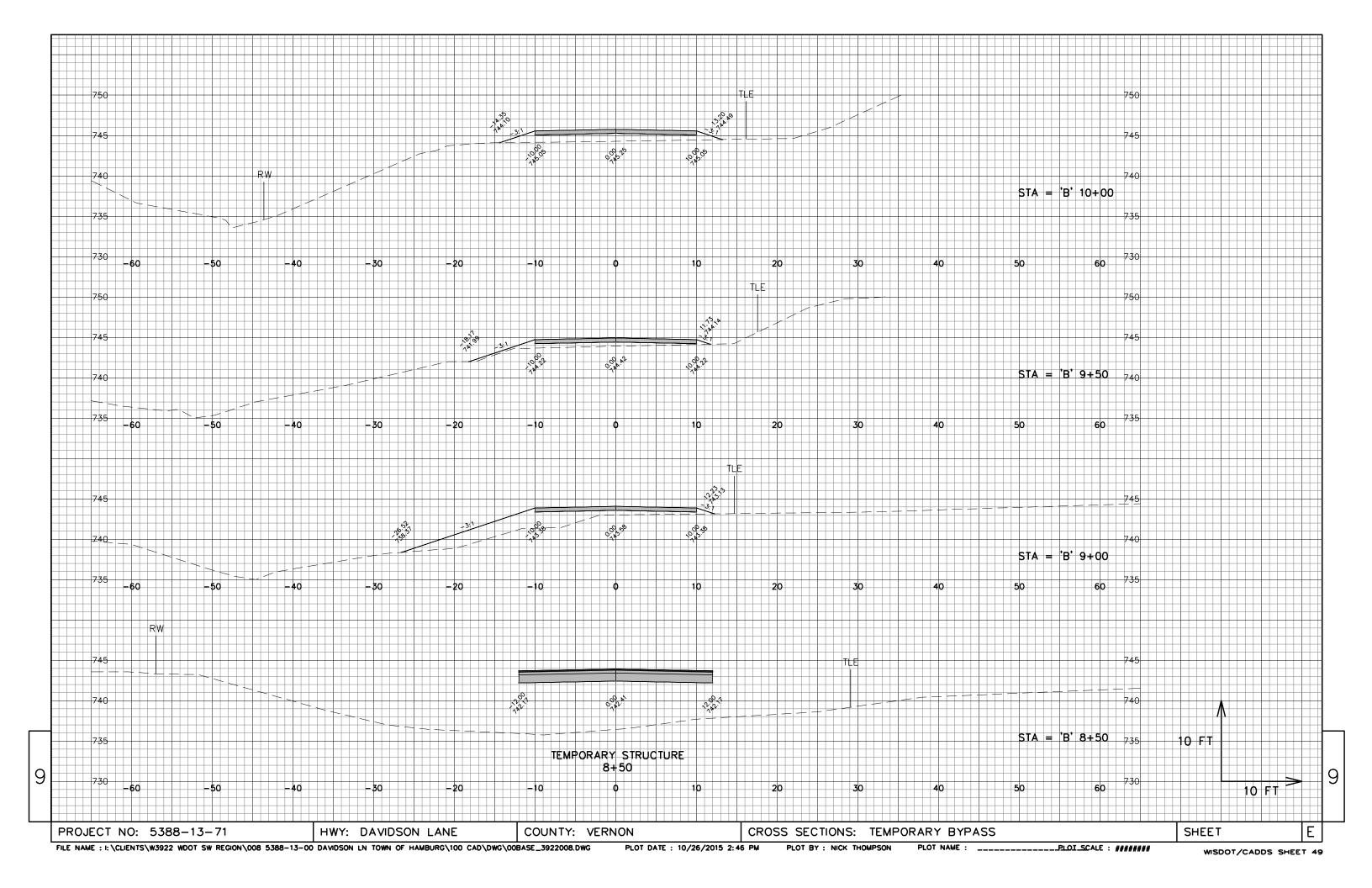
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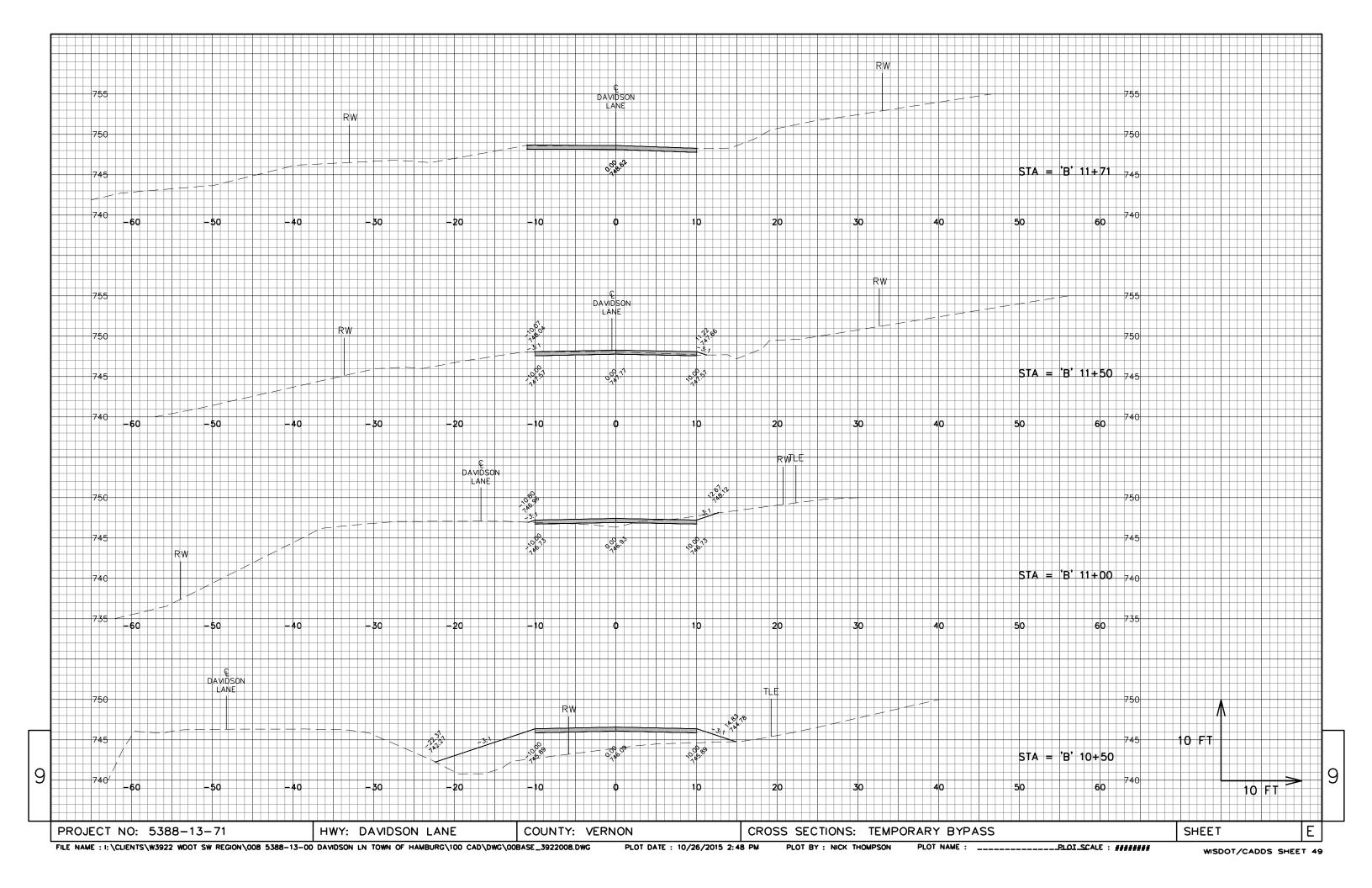
PROJECT NO: 5388-13-71 HWY: DAVIDSON LANE COUNTY: VERNON EARTHWORK – TEMPORARY BYPASS REMOVAL SHEET **E**











Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov