

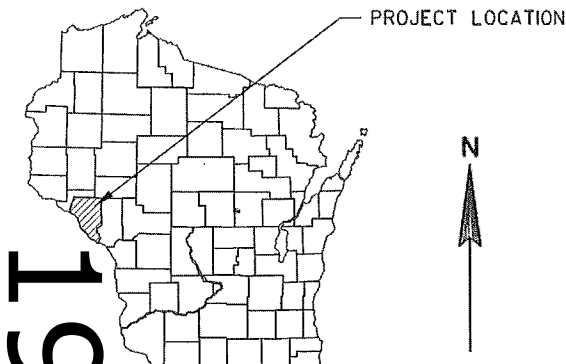
PROJECT ID: 7235-01-70
WITH: N/A

COUNTY: BUFFALO

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile (Includes Erosion Control)
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = 30



DESIGN DESIGNATION

A.A.D.T. 2014	=	965
A.A.D.T. 2034	=	1300
D.H.V.	=	177
D.D.	=	62/38
T.	=	6.3%
DESIGN SPEED	=	30 MPH
ESALS	=	87,600

CONVENTIONAL SYMBOLS

COUNTY LINE	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED EASEMENT	
EARTHWORK BALANCE POINT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SURVEY LINE	
SLOPE INTERCEPT	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
MARSH AREA	
WOODED OR SHRUB AREA	

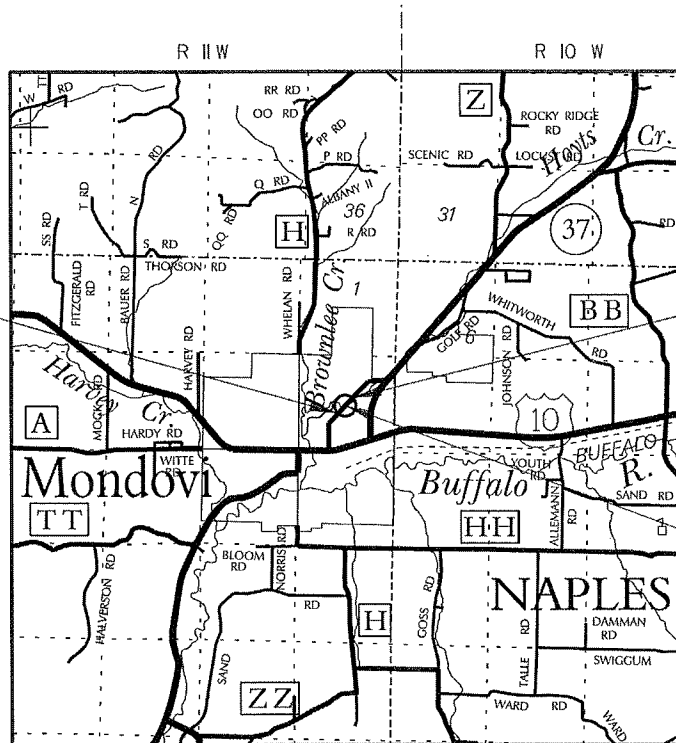
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
CITY OF MONDOVI, NORTH WASHINGTON ST
(PEESO CREEK BRIDGE B-06-0192)
LOCAL STREET
BUFFALO COUNTY

STATE PROJECT NUMBER
7235-01-70

BEGIN PROJECT
STA 8+75.00
Y = 398423.4874
X = 610100.6175

END PROJECT
STA 11+25.00

STRUCTURE B-06-0192
STA 10+00.00



LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.0473 MI(RURAL)

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Buffalo County.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7235-01-70	WISC 2014029	1

ACCEPTED FOR
CITY of MONDOVI
7-23-13
DATE: *Sharon Beauchamp*
Daniel J. Savary

ORIGINAL PLANS PREPARED BY:



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor _____ SEH
Designer _____ SEH
Management Consultant _____ KJohnson Engineers
C.O. Examiner _____

APPROVED FOR THE DEPARTMENT
DATE: 7/31/13 *AB Melville*
(Signature)

E

STANDARD ABBREVIATIONS

GENERAL NOTES

UTILITY CONTACTS

ABUT	ABUTMENT	HYD	HYDRANT
AC	ACRE	ID	INSIDE DIAMETER
AGG	AGGREGATE	INV	INVERT
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE	IP	IRON PIPE ON PIN
	ASPHALTIC	LHF	LEFT-HAND FORWARD
ASPH	AVERAGE	L	LENGTH OF CURVE
AVG	AVERAGE DAILY TRAFFIC	LF	LINEAR FOOT
ADT	BACK FACE	LC	LONG CHORD OF CURVE
BF	BENCH MARK	LS	LUMP SUM
BM	BRIDGE	MH	MANHOLE
BR	COMMERCIAL ENTRANCE	MOR	MID POINT OF RADIUS
CE	CENTER LINE	NC	NORMAL CROWN
CL OR C/L OR ☿	CENTRAL ANGLE OR DELTA	NO	NUMBER
Δ	CONCRETE	OBLIT	OBLITERATE
CONC	CULVERT PIPE REINFORCED CONCRETE	PAVT	PAVEMENT
CPRC	CULVERT PIPE REINFORCED CONCRETE	PE	PRIVATE ENTRANCE
CPRCHE	HORIZONTAL ELLIPTICAL	PVRC	POINT OF VERTICAL REVERSE CURVE
	CREEK	QOR	QUARTER POINT OF RADIUS
CR	CUBIC YARD	R	RADIUS
CY	CURB AND GUTTER	REQ'D	REQUIRED
C & G	DEGREE OF CURVE	RES	RESIDENCE OR RESIDENTIAL
D	DESIGN HOUR VOLUME	RHF	RIGHT-HAND FORWARD
DHV	DISCHARGE	R/W	RIGHT-OF-WAY
DISCH	DITCH GRADE	R	RIVER
DG	DRIVEWAY	RDWY	ROADWAY
DWY	EAST GRID COORDINATE	R/L OR R	REFERENCE LINE
X	STEEL PLATE BEAM GUARD	SALV	SALVAGED
EAT	ENERGY ABSORBING TERMINAL	SAN	SANITARY SEWER
	END POINT OF RADIUS	SF	SQUARE FEET
EOR	ELEVATION	SY	SQUARE YARD
EL	ENTRANCE	SDD	STANDARD DETAIL DRAWINGS
ENT	EQUIVALENT SINGLE AXLE LOADS	STA	STATION
ESALS	EXCAVATION	SS	STORM SEWER
EXC	EXCAVATION BELOW SUBGRADE	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EBS	EXISTING	SE	SUPERELEVATION RATE
EXIST	FACE OF CURB	TC	TOP OF CURB
FC	FACE TO FACE	T OR TN	TOWN
FF	FERTILIZE	T	TRUCKS (PERCENT OF)
FERT	FIELD ENTRANCE	TYP	TYPICAL
FE	FLOW LINE	VAR	VARIABLE
FL	FIBER OPTIC	VC	VERTICAL CURVE
FO	HUNDREDWEIGHT	Y	NORTH GRID COORDINATE
CWT		YD	YARD

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM.

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

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

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

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

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

THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

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

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

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

WETLANDS ARE PRESENT WITHIN THE PROJECT CORRIDOR. DO NOT OPERATE MACHINERY OUTSIDE OF SLOPE INTERCEPTS.

SILT FENCE WILL BE INSTALLED AT THE TOE OF SLOPE IN WETLAND AREAS.

FRONTIER COMMUNICATIONS
ST. CROIX, INC.
154 E 2ND STREET
NEW RICHMOND, WI 54017
TELEPHONE: 715.243.7014
ATTENTION: TERRY DORR
EMAIL: TERRY.DORR@FTR.COM

MIDWEST NATURAL GAS CO
559 EAST WATER STREET
MONDOVI, WI 54755
TELEPHONE: 608.780.7622
ATTENTION: CHARLES ASHWELL
EMAIL: NONE



CALL 811 OR (800)242.8511
(877)500.9592 (EMERGENCY ONLY)
www.DiggersHotline.com

** NOT A MEMBER OF DIGGERS HOTLINE

DESIGN CONTACTS

SEH INC.
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729
TELEPHONE: 715.720.6200
ATTENTION: DAN GUSTAFSON
EMAIL: DGUSTAFSON@SEHINC.COM

WDNR

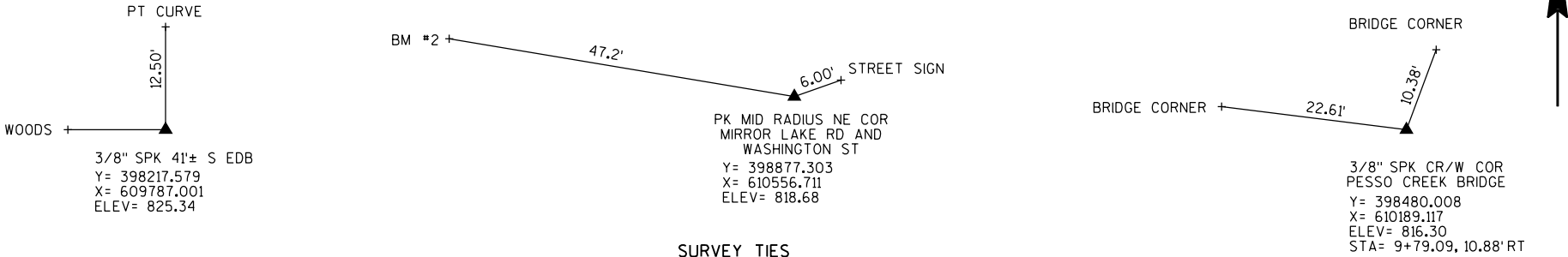
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9115
ATTENTION: KAREN KALVELAGE
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

BUFFALO COUNTY

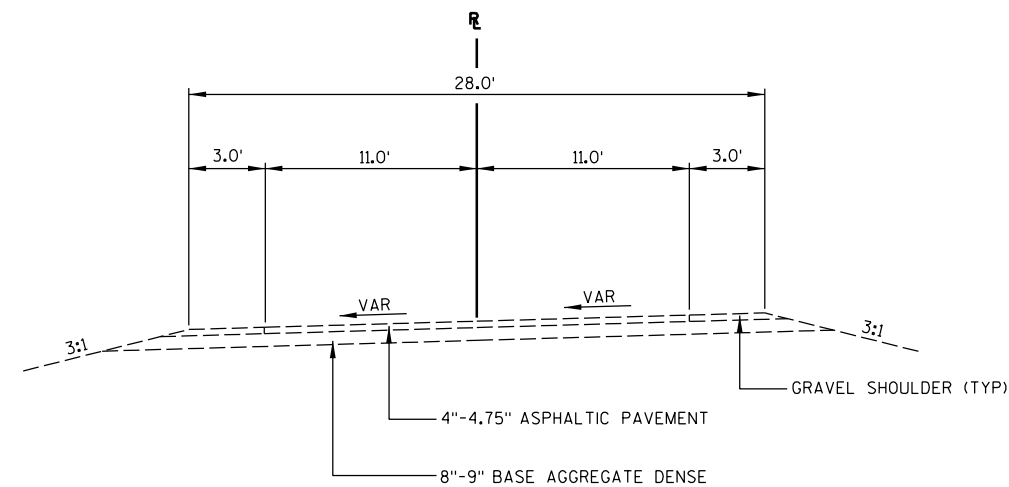
BUFFALO COUNTY HIGHWAY DEPARTMENT
PO BOX 332
407 SOUTH SECOND STREET
ALMA, WI 54610
TELEPHONE: 608.685.6226
ATTENTION: DAVE BREVICK
EMAIL: DAVE.BREVICK@BUFFALOCOUNTY.COM

CITY OF MONDOVI

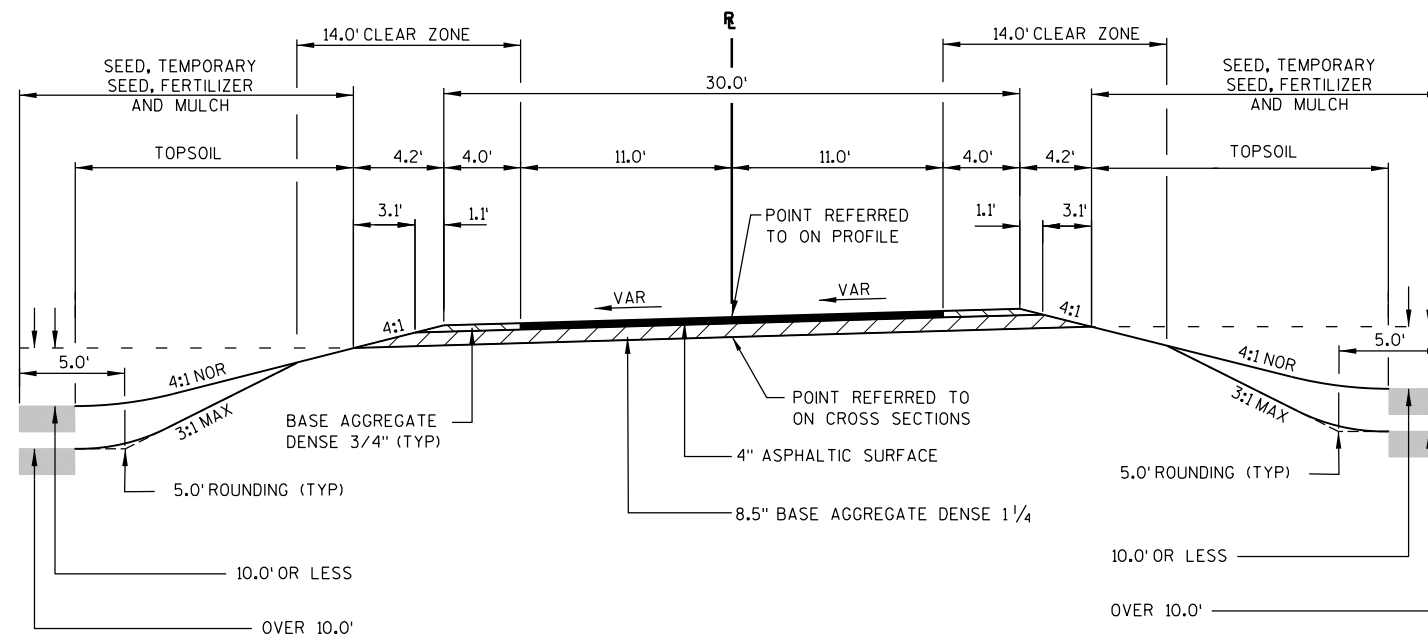
156 SOUTH FRANKLIN STREET
MONDOVI, WI 54755
TELEPHONE: 715.926.3866
ATTENTION: DAN LAUERSDORF
EMAIL: MONDOVI@NELSON-TEL.NET.COM



SURVEY TIES



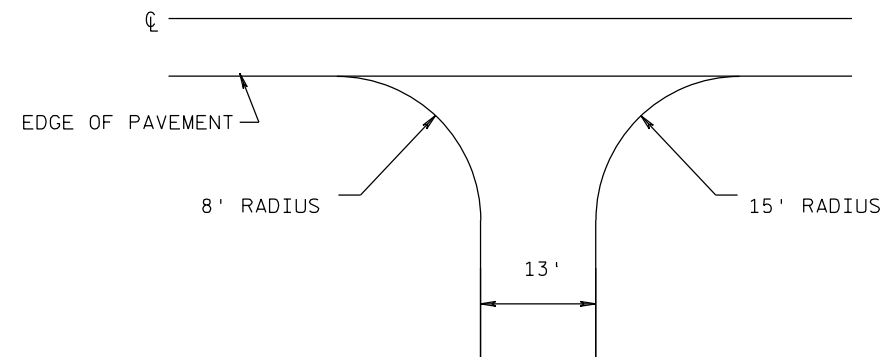
TYPICAL EXISTING SECTION
STA 8+75 TO STA 11+25



TYPICAL FINISHED SECTION
STA 8+75.00 TO STA 11+25.00

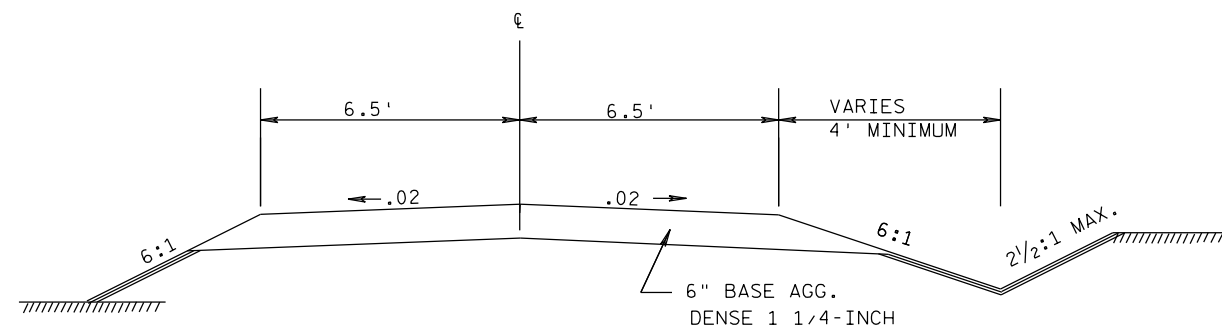
SuperElevation Transition Points :

Station	Type	Left	Right	ShoulderLeft	ShoulderRight
5+88.89	End NC	-0.020	-0.020	-0.040	-0.020
6+27.69	Zero Super	-0.020	0.000	-0.040	0.000
6+66.50	Rev. Crown	-0.020	0.020	-0.040	0.020
6+92.55	Begin FS	-0.033	0.033	-0.040	0.033
10+44.31	End FS	-0.033	0.033	-0.040	0.033
10+70.36	Rev. Crown	-0.020	0.020	-0.040	0.020
11+09.16	Zero Super	-0.020	0.000	-0.040	0.000
11+47.97	Begin NC	-0.020	-0.020	-0.040	-0.020
11+86.77	Sh_Begin NC	-0.020	-0.020	-0.040	-0.040



TYPICAL DRIVEWAY DETAIL

STA 9+48.29 RT



TYPICAL SECTION
FOR PRIVATE ENTRANCES

NOTE:
DRIVEWAY PROFILES NOT EXPECTED TO EXCEED
10%. PLACE LOW POINT OF DRIVEWAY PROFILE
OVER DITCH FLOW LINE.

DATE 11DEC13		E S T I M A T E O F Q U A N T I T I E S			
LINE		7235-01-70			
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	201.0105	CLEARING	STA	3.000	3.000
0020	201.0205	GRUBBING	STA	3.000	3.000
0030	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	1.000	1.000
0040	203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS (STATION) 01. 10+00	LS	1.000	1.000
0050	205.0100	EXCAVATION COMMON **p**	CY	255.000	255.000
0060	206.2000	EXCAVATION FOR STRUCTURES CULVERTS (STRUCTURE) 01. B-06-0192	LS	1.000	1.000
0070	208.0100	BORROW	CY	160.000	160.000
0080	210.0100	BACKFILL STRUCTURE	CY	500.000	500.000
0090	213.0100	FINISHING ROADWAY (PROJECT) 01. 7235-01-70	EACH	1.000	1.000
0100	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	80.000	80.000
0110	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	465.000	465.000
0120	311.0115	BREAKER RUN	CY	142.000	142.000
0130	455.0605	TACK COAT	GAL	16.000	16.000
0140	465.0105	ASPHALTIC SURFACE	TON	145.000	145.000
0150	504.0100	CONCRETE MASONRY CULVERTS	CY	307.000	307.000
0160	505.0410	BAR STEEL REINFORCEMENT HS CULVERTS	LB	49,200.000	49,200.000
0170	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	46.000	46.000
0180	522.0124	CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	44.000	44.000
0190	522.1042	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH	EACH	2.000	2.000
0200	606.0300	RIPRAP HEAVY	CY	77.000	77.000
0210	619.1000	MOBILIZATION	EACH	1.000	1.000
0220	625.0100	TOPSOIL	SY	446.000	446.000
0230	627.0200	MULCHING	SY	587.000	587.000
0240	628.1504	SILT FENCE	LF	390.000	390.000
0250	628.1520	SILT FENCE MAINTENANCE	LF	780.000	780.000
0260	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	1.000	1.000
0270	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	1.000	1.000
0280	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	100.000	100.000
0290	628.7504	TEMPORARY DITCH CHECKS	LF	20.000	20.000
0300	629.0210	FERTILIZER TYPE B	CWT	0.200	0.200
0310	630.0120	SEEDING MIXTURE NO. 20	LB	16.000	16.000
0320	630.0200	SEEDING TEMPORARY	LB	16.000	16.000
0330	642.5001	FIELD OFFICE TYPE B	EACH	1.000	1.000
0340	643.0100	TRAFFIC CONTROL (PROJECT) 01. 7235-01-70	EACH	1.000	1.000
0350	645.0105	GEOTEXTILE FABRIC TYPE C	SY	450.000	450.000
0360	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	115.000	115.000
0370	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	250.000	250.000
0380	650.5000	CONSTRUCTION STAKING BASE	LF	250.000	250.000
0390	650.6500	CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) 01. B-06-0192	LS	1.000	1.000
0400	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 7235-01-70	LS	1.000	1.000
0410	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	250.000	250.000
0420	690.0150	SAWING ASPHALT	LF	44.000	44.000
0430	715.0502	INCENTIVE STRENGTH CONCRETE STRUCTURES	DOL	1,842.000	1,842.000

3

CLEARING			
STATION - STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
WASHINGTON STREET 8+75 - 11+25		3	3
TOTALS		3	3

BASE AGGREGATE DENSE				
STATION - STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	REMARKS
WASHINGTON STREET 8+75 - 11+25	~		290	MAINLINE
8+75 - 11+25	~		175	SHOULDERS
8+75 - 11+25	~	67		SHOULDERS
9+55.84	RT	13		DRIVEWAY
TOTALS		80	465	

<u>TOPSOIL, MULCHING AND SEEDING</u>						
STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 TEMPORARY SEEDING LB	629.0210 FERTILIZER TYPE B CWT
WASHINGTON ST						
8+75 - 11+25	RT	205	275	8	8	0.1
8+75 - 11+25	LT	241	312	8	8	0.1
	TOTALS	446	587	16	16	0.2

3

REMOVING SMALL PIPE CULVERTS		
STATION - STATION	LOCATION	203.0100 EACH
WASHINGTON ST 9+54.18	RT	1
TOTALS		1

ASHPALTIC SURFACE				
STATION - STATION	LOCATION	465.0105 TON	455.0605 TACK COAT GAL	REMARKS
WASHINGTON ST 8+75 - 11+25	~	145	16	MAINLINE: 1.75" UPPER, 2.25" LOWER
TOTALS		145	16	

<u>MOBILIZATIONS EROSION CONTROL</u>		
<u>STATION - STATION</u>	<u>628.1905 EROSION CONTROL EACH</u>	<u>628.1910 EMERGENCY EROSION CONTROL EACH</u>
WASHINGTON ST 8+75 - 11+25	1	1
TOTALS	1	1

EXCAVATION COMMON				
LOCATION	**205.0100 COMMON CY	AIR FILL CY	EXPAND. FILL CY	208.0100 BORROW CY
WASHINGTON ST 8+75 - 11+25	255	319	415	160
TOTALS	255	319	415	160
NOTE: EXPANSION FACTOR = 1.3 ** PAY PLAN QUANTITY.				

CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH				
STATION - STATION	LOCATION	522.0124 LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	
WASHINGTON ST 9+54.18	RT	44	2	
TOTALS		44	2	

EROSION CONTROL ITEMS					
STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2006 EROSION MAT URBAN CLASS 1 TYPE A SF	628.7504 TEMPORARY DITCH CHECKS LF
WASHINGTON ST UNDISTRIBUTED				100	20
8+82 - 9 +82	LT	115	230		
9+54 - 9+83	RT	25	50		
10+01 - 11+25	RT	120	240		
10+09 - 11+25	LT	130	260		
TOTALS		390	780	100	20

FINISHING ROADWAY (7235-01-70)		
STATION - STATION		213.0100 EACH
WASHINGTON ST 8+75 - 11+25		1
TOTALS		1

MOBILIZATION		
STATION - STATION	LOCATION	619.1000 EACH
WASHINGTON ST 8+75 - 11+25		1
TOTALS		1

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.					
---	--	--	--	--	--

3

FIELD OFFICE TYPE B	
STATION	642.5001 EACH
WASHINGTON ST 8+75 - 11+25	1
	<u>1</u>

INCENTIVE STRENGTH CONCRETE STRUCTURES

STATION	*715.0502 DOL
WASHINGTON ST	1842
	<u>1842</u>
* CATEGORY 0020.	

3

TRAFFIC CONTROL (7235-01-70)

STATION	643.0100 EACH
WASHINGTON ST 8+75 - 11+25	1
	<u>1</u>

CONSTRUCTION STAKING

STATION - STATION	650.4500 SUBGRADE LF	650.5000 BASE LF	*650.6500 STRUCTURE LAYOUT (B-06-0192) LS	650.9910 SUPPLEMENTAL CONTROL (7235-01-70) LS	650.9920 SLOPE STAKES LF
WASHINGTON ST 8+75 - 11+25 10+00	250	250	1	1	250
TOTALS	<u>250</u>	<u>250</u>	<u>1</u>	<u>1</u>	<u>250</u>

* CATEGORY 0020.

SAWING ASPHALT

STATION - STATION	690.0150 LF
WASHINGTON ST 8+75 11+25	22 22
TOTALS	<u>44</u>

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

PROJECT NO: 7235-01-70

HWY: N WASHINGTON ST

COUNTY: BUFFALO

MISCELLANEOUS QUANTITIES

SHEET

E

CONVENTIONAL SIGNS AND ABBREVIATIONS

A.P.	ACCESS POINT
AC	ACRES
AG	AGRICULTURAL
ALUM.	ALUMINUM
ANT	ANTENNA
B.	BARN
C.	CENTERLINE
CONC	CONCRETE
COR.	CORNER
C.S.M.	CERTIFIED SURVEY MAP
C.T.H.	COUNTY TRUNK HIGHWAY
DOC.	DOCUMENT
EASE.	EASEMENT
ET.AL.	AND OTHERS
FDN	FOUNDATION
FE	FIELD ENTRANCE
FRL.	FRACTIONAL
G	GARAGE
GP	GAS PUMPS
GRAV	GRAVEL
GV	GAS
HSE	HOUSE
IP	IRON PIPE OR PIN
L	LENGTH OF CURVE
LC	LONG CHORD OR LAND CONTRACT
LCB	LONG CHORD BEARING
LT	LEFT
MH	MANHOLE
MON.	MONUMENT
O.L.	OUTLOT
P.	PAGE
PC	POINT OF CURVATURE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PK	PARKER-KALON FASTENER
P.L.	PROPERTY LINE
P.L.E.	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENCY
R	RADIUS OR RANGE
R.D.E.	RESTRICTED DEVELOPMENT EASEMENT
REM.	REMAINING
RL	REFERENCE LINE
RT	RIGHT
R/W	RIGHT OF WAY
S	SHED
SEC.	SECTION
SEPV	SEPTIC VENT
S.T.H.	STATE TRUNK HIGHWAY
STA.	STATION
T	TANGENT LENGTH OF CURVE OR TOWN
TAV	TAVERN
T.I.	TEMPORARY INTEREST
U.S.H.	UNITED STATES HIGHWAY
V.	VOLUME
W	WALL
X	EAST COORDINATE (GRID)
Y	NORTH COORDINATE (GRID)
N	NORTH COORDINATE (GROUND) OR NORTH
E	EAST COORDINATE (GROUND), EAST OR EXTERNAL
Δ	CENTRAL ANGLE OR DELTA

---	STATE LINE
---	COUNTY LINE
---	TOWN OR RANGE LINE
---	SECTION LINE
---	QUARTER LINE
---	SIXTEENTH LINE
---	PROPOSED OR NEW R/W LINE
---	EXISTING R/W LINE
---	LOT LINE
P.L. ± 58.1	PROPERTY LINE
◆◆◆◆	NO ACCESS (By Previous Acquisition)
	NO ACCESS (By Acquisition)
.....	NO ACCESS (By Statutory Authority)
L---	LIMITED EASEMENT (Temporary or Permanent)
////	CORPORATE LIMITS

	SECTION CORNER
	RIGHT OF WAY POINT (NOT MONUMENTED)
	RIGHT OF WAY POINT (MONUMENTED)
(Type)	RECOVERED IRON PIN/PIPE
	TRIANGULATION POINT OR HORIZONTAL CONTROL STATION
	INLET
	HYDRANT
COMPENSABLE	NON COMPENSABLE
	TELEPHONE POLE
	POWER POLE
243	RIGHT OF WAY POINT NUMBER

(Size)W	WATER
(Size)G	GAS
T	TELEPHONE OR TELEGRAPH
E	ELECTRIC
TV	CABLE TELEVISION
FO	FIBER OPTIC
(Size)SAN	SANITARY SEWER
(Size)SS	STORM SEWER
	NOTATION FOR COMBUSTIBLE FLUIDS
	SERVICE PEDESTAL
(Label)	SILLO, MANHOLE OR WELL, ETC.

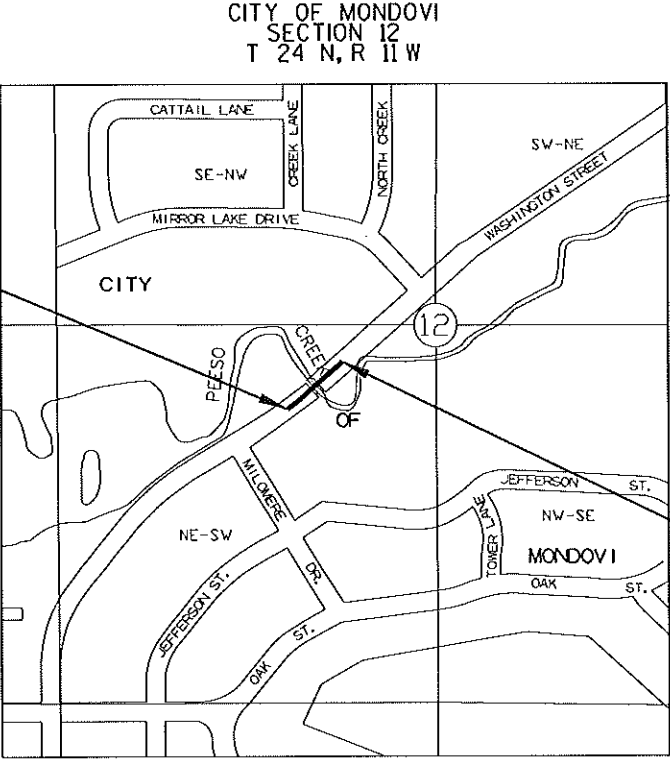
+	RAILROAD
	BRIDGE
(Label)	BUILDING
(Label)	FOUNDATION OR RUINS
X-X	FENCE
	MARSH AREA
	LAKE OR POND
	WOODED OR SHRUB AREA
	TREE

R/W PROJECT NUMBER	SHEET	TOTAL
7235-01-01	NUMBER	SHEETS
FEDERAL PROJECT NUMBER	4.01	2
PLAT OF RIGHT-OF-WAY REQUIRED FOR CITY OF MONDOVI, NORTH WASHINGTON STREET (PEESO CREEK BRIDGE B-06-0167)		
LOCAL STREET		
BUFFALO COUNTY		
CONSTRUCTION PROJECT NUMBER		
7235-01-70		

BEGIN RELOCATION ORDER
STA. 8+75.00

Y= 398,423.488
X= 610,100.618

314,529 FEET SOUTH AND 2115,421 FEET EAST
OF THE WEST 1/4 CORNER OF SECTION 12
T24N, R11W.



END RELOCATION ORDER
STA. 11+25.00

Y= 398,587.446
X= 610,289.052

150,571 FEET SOUTH AND 2303,855 FEET EAST
OF THE WEST 1/4 CORNER OF SECTION 12
T24N, R11W.

NOTES:
COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE
WISCONSIN COUNTY COORDINATE SYSTEM, BUFFALO COUNTY (ENGLISH)
NAD 83, 2007 ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH.

RIGHT OF WAY MONUMENTS ARE TYPE-2 (3/4" X 24" REINFORCEMENT BAR
WEIGHING 1.50 LB/FT) AND ARE PLACED PRIOR TO OR AT THE TIME OF
LAND TITLE TRANSFER.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE
PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC
LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

SECTION CORNER MONUMENT TYPE AND COORDINATE VALUE INFORMATION
SHOWN ON DETAIL SHEETS WAS PROVIDED BY OTHERS.

TOTAL NET LENGTH OF CENTERLINE = 0.047 MI.

ACCEPTED FOR	
CITY	MONDOVI
7/23/13	Sharon Beal
(Date)	(Signature)
7/23/13	Sharon Beal
(Date)	(Signature)
CITY ADMINISTRATOR / CLERK	

ORIGINAL PLANS PREPARED BY

SEH

WISCONSIN

JASON L. CANCE

8-2688

CHIPPEWA FALLS, WI

LAND SURVEYOR

7-15-2013	Jason L. Cance
(Date)	(Signature)

E

SCHEDULE OF LANDS & INTERESTS REQUIRED

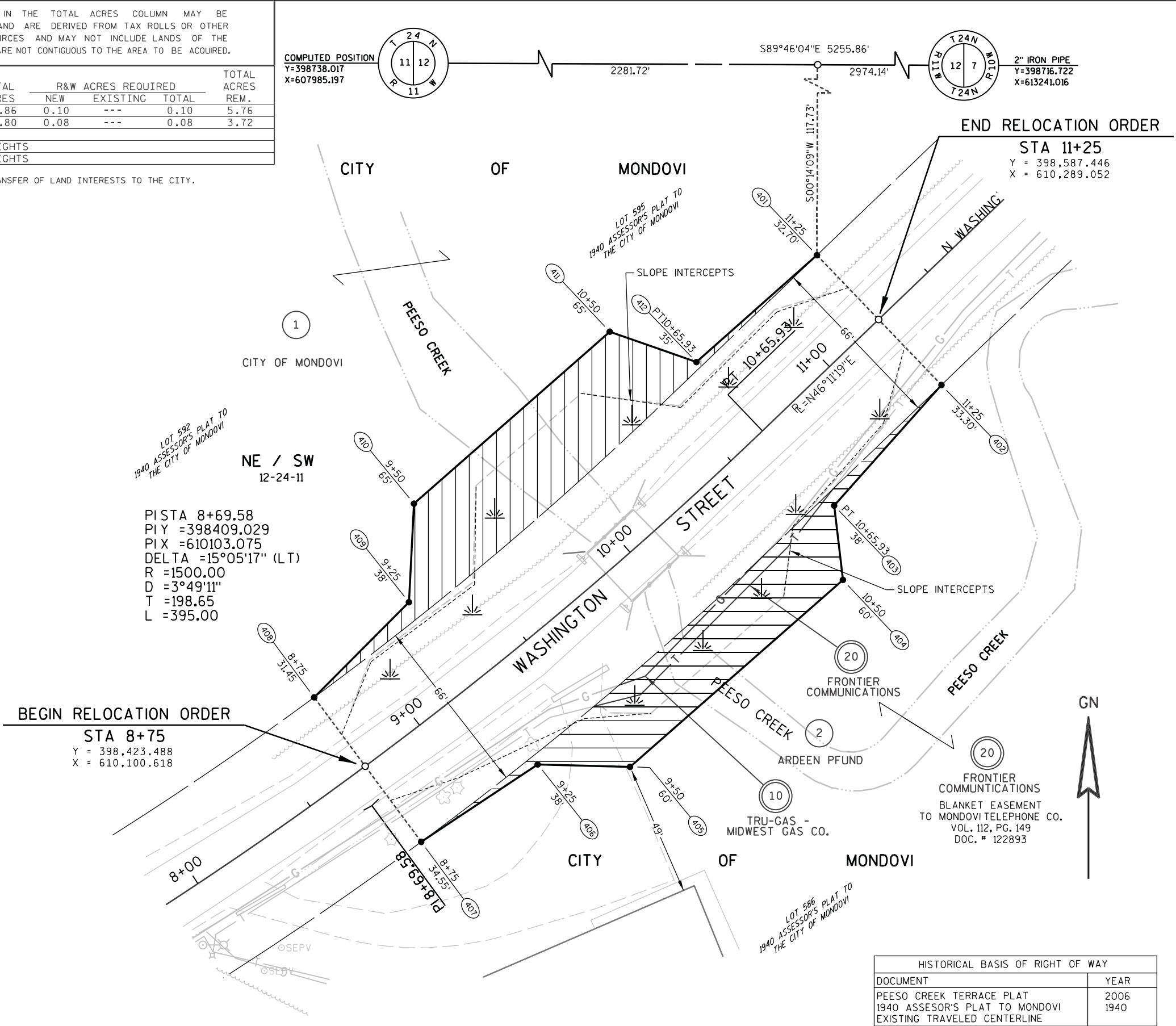
AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	TOTAL ACRES	R&W ACRES REQUIRED			TOTAL ACRES REM.
				NEW	EXISTING	TOTAL	
1	CITY OF MONDOVI	FEE	5.86	0.10	---	0.10	5.76
2	ARDEEN PFUND	FEE	3.80	0.08	---	0.08	3.72
10	TRU-GAS - MIDWEST GAS CO.	RELEASE OF RIGHTS					
20	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS					

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

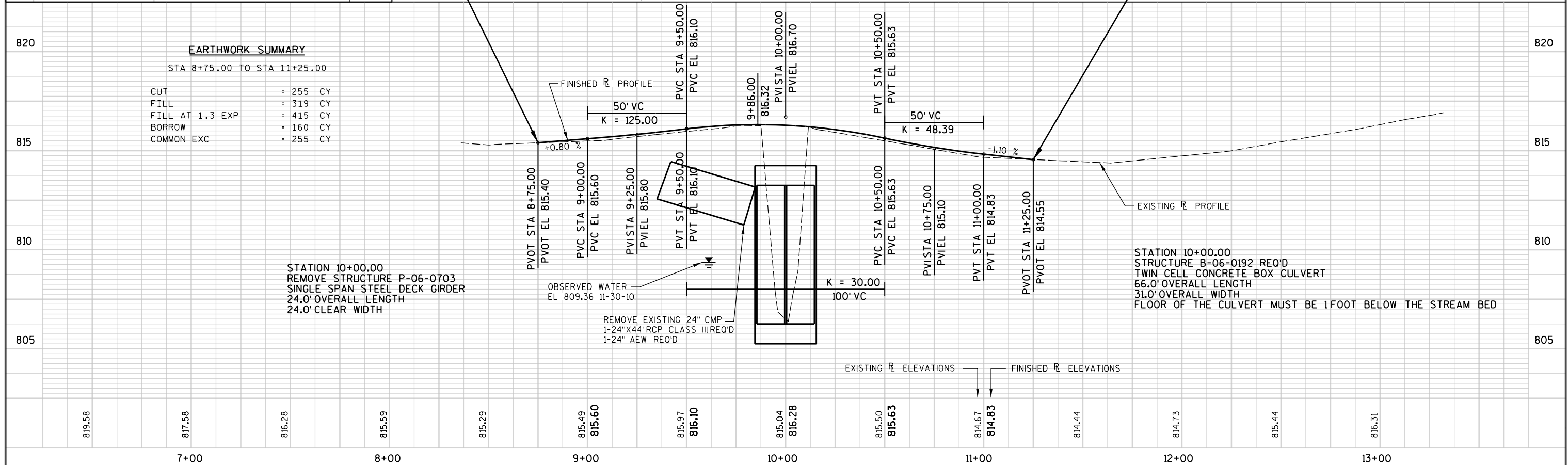
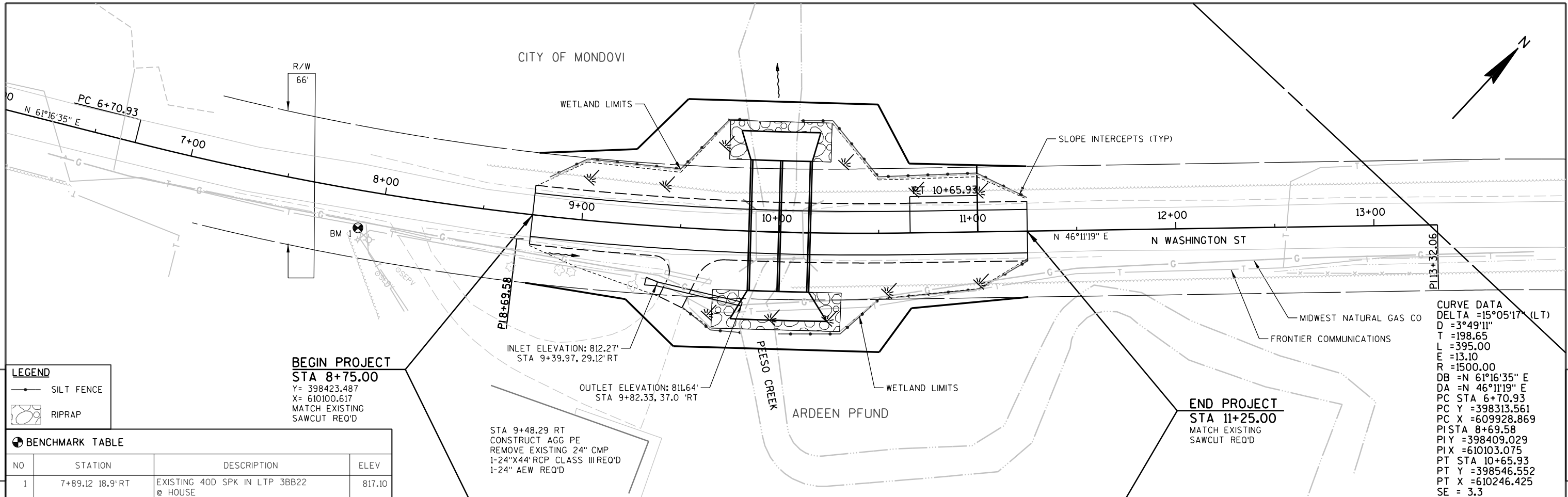
RW COURSE TABLE		
401-402	S43°48'41"E	66.00'
402-403	S41°38'28"W	59.26'
403-404	S06°43'20"E	27.47'
404-405	S48°42'25"W	103.98'
405-406	N88°28'10"W	33.92'
406-407	S56°22'50"W	51.32'
407-408	N36°31'07"W	66.00'
408-409	N44°53'22"E	49.28'
409-410	N02°53'43"E	36.22'
410-411	N48°42'25"E	95.65'
411-412	S70°40'39"E	33.72'
412-401	N48°25'12"E	59.12'

PROPOSED RW COORDINATES		
POINT	NORTHING	EASTING
401	398611.042	610266.415
402	398563.415	610312.106
403	398519.130	610272.732
404	398491.850	610275.947
405	398423.231	610197.822
406	398424.137	610163.916
407	398395.721	610121.178
408	398448.763	610081.902
409	398483.674	610116.679
410	398519.846	610118.509
411	398582.966	610190.374
412	398571.809	610222.195



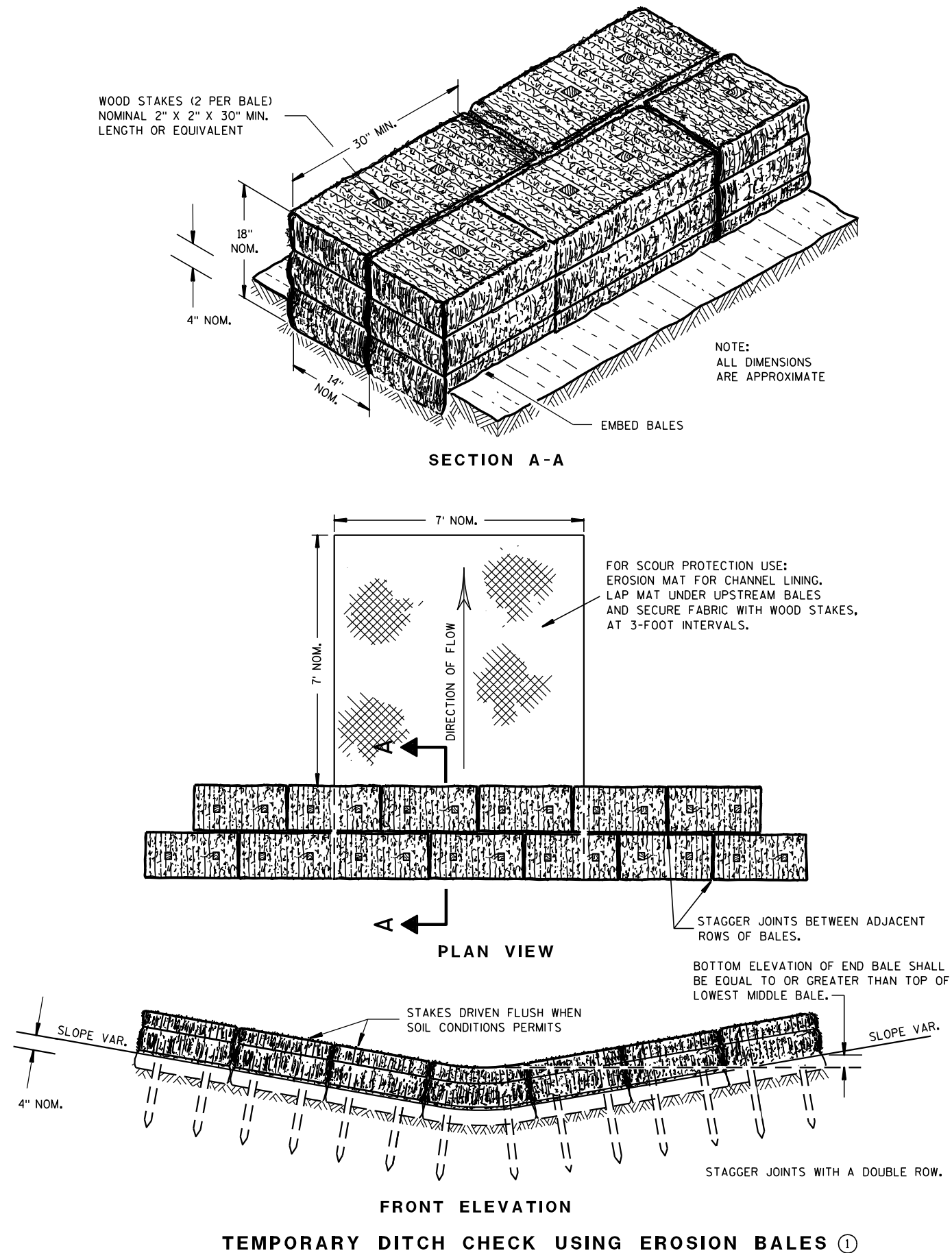
HISTORICAL BASIS OF RIGHT OF WAY	
DOCUMENT	YEAR
PEESO CREEK TERRACE PLAT	2006
1940 ASSESOR'S PLAT TO MONDOVI	1940
EXISTING TRAVELED CENTERLINE	

REVISION DATE	DATE	SCALE, FEET 0 20 40	HWY: N. WASHINGTON ST.	STATE R/W PROJECT NUMBER 7235-01-01	PLAT SHEET NO: 4.02	E
	GRID FACTOR NA		COUNTY: BUFFALO	CONSTRUCTION PROJECT NUMBER 7235-01-70	PS&E SHEET	



Standard Detail Drawing List

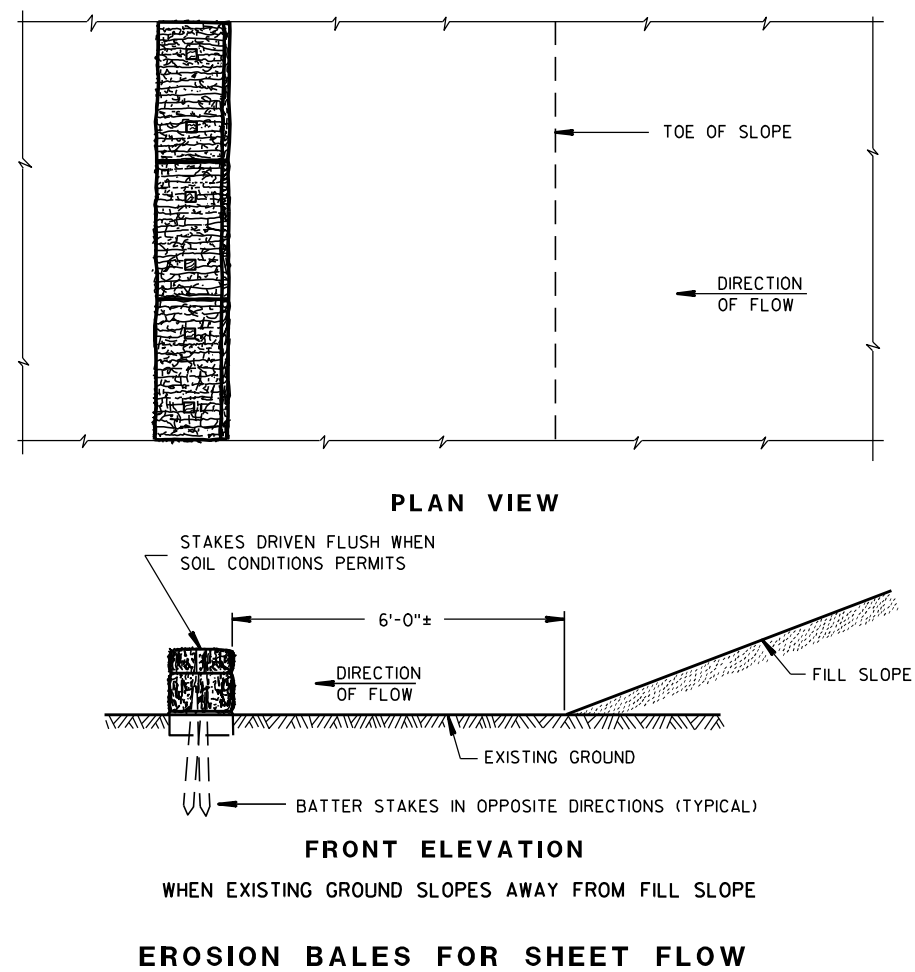
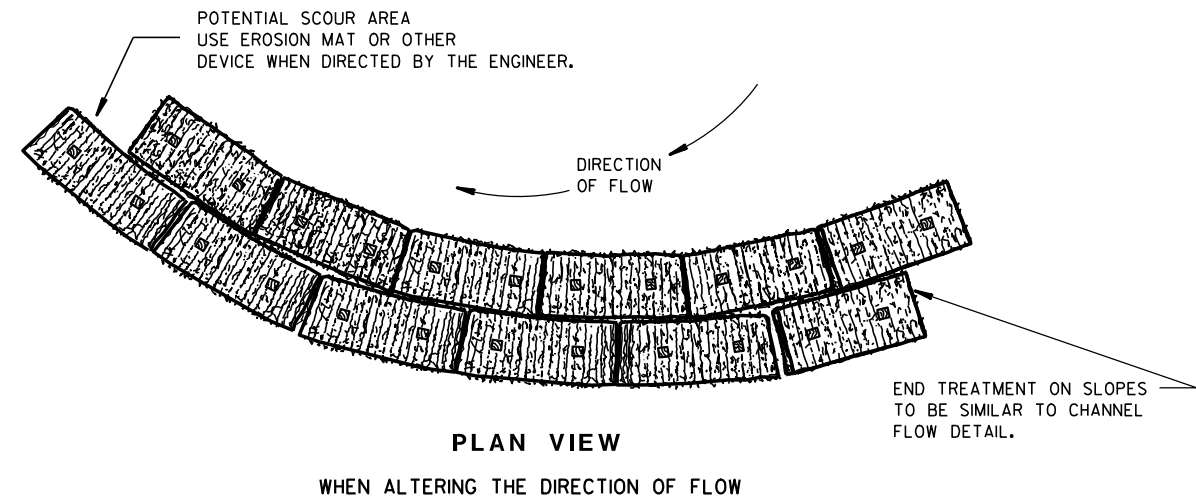
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
12A03-10	NAME PLATE (STRUCTURES)
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES



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.

- ① 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.

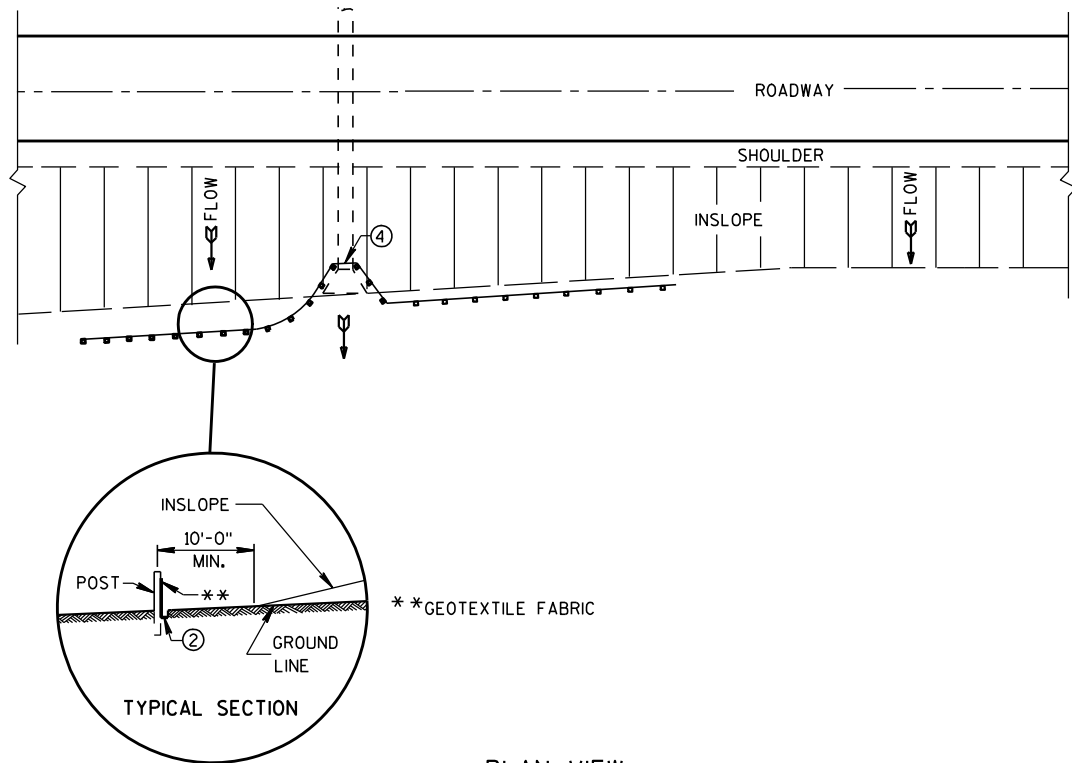
TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

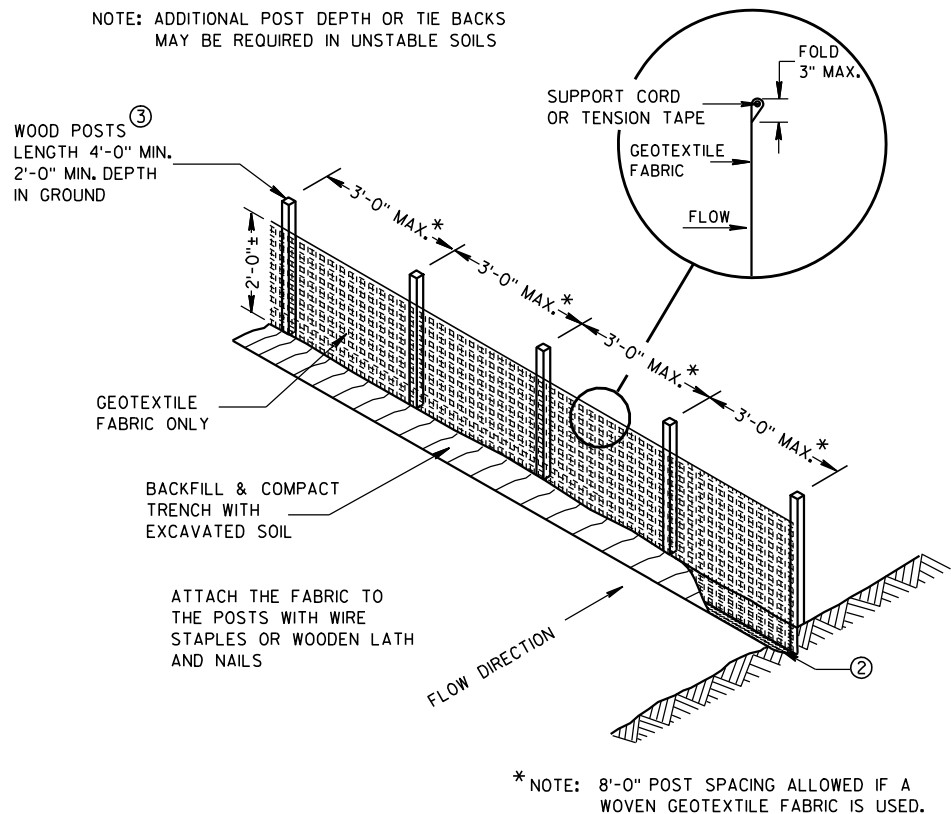
APPROVED

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

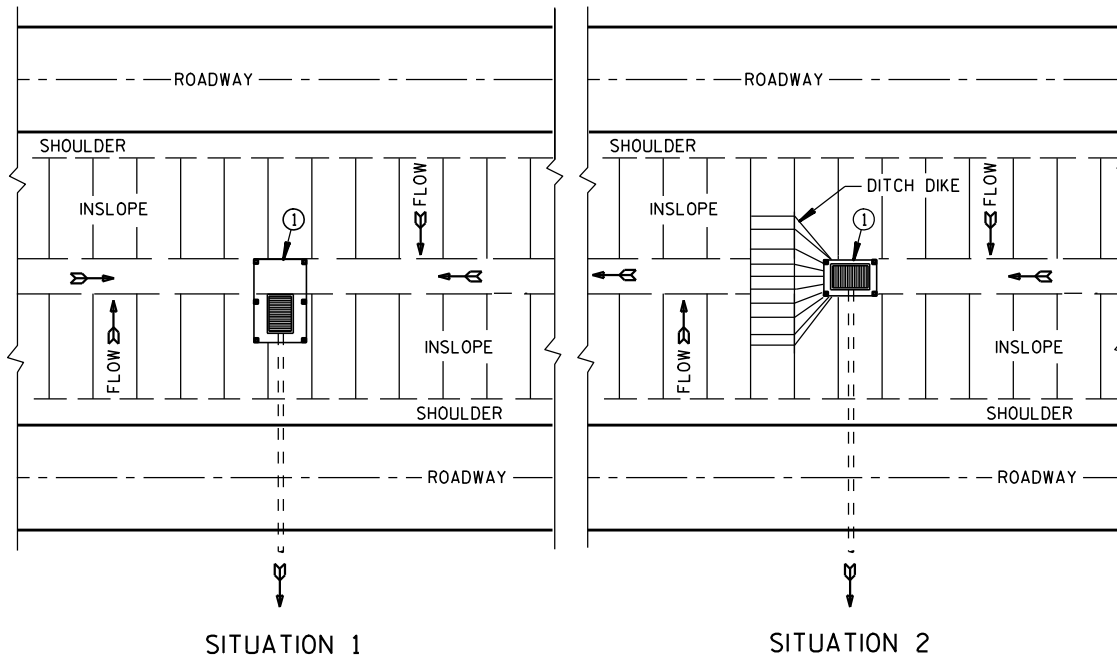
FHWA



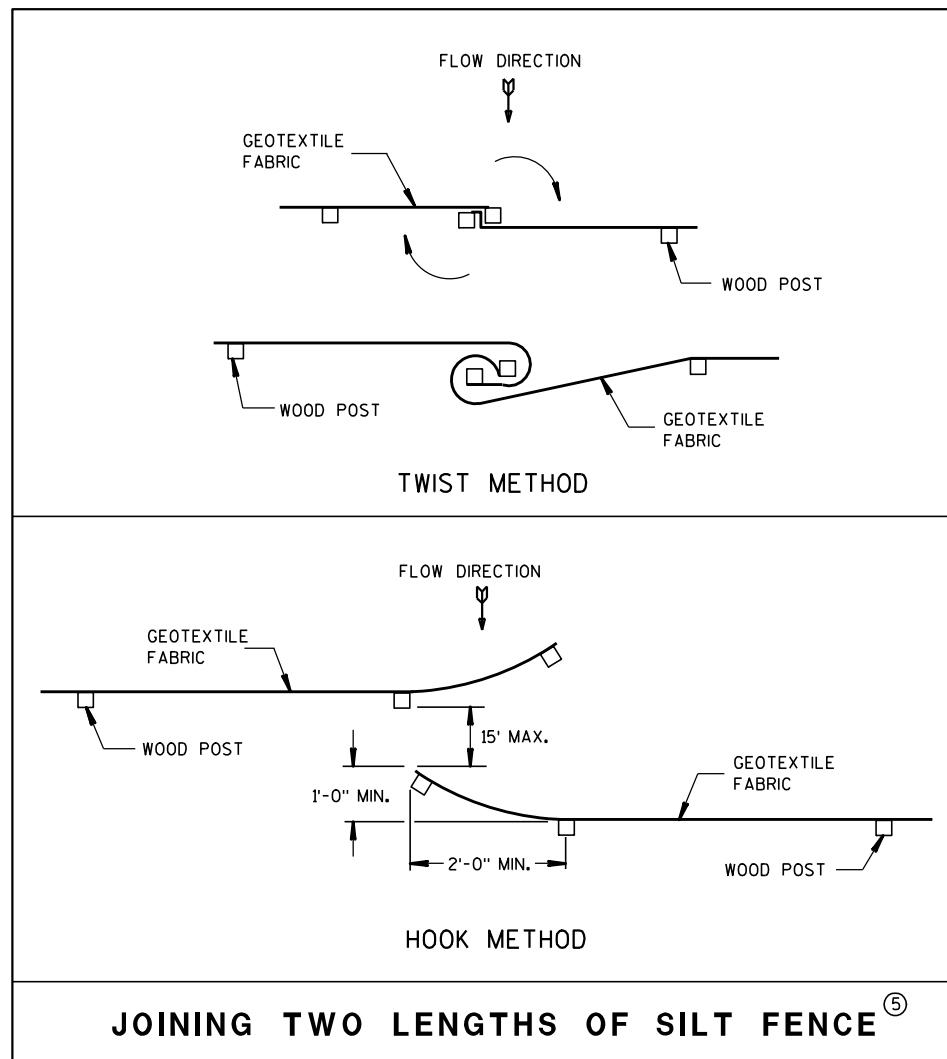
PLAN VIEW
TYPICAL APPLICATION OF SILT FENCE



SILT FENCE



PLAN VIEW
SILT FENCE AT MEDIAN SURFACE DRAINS

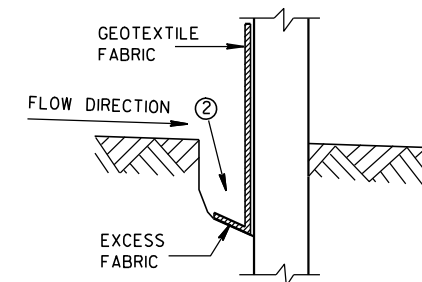


JOINING TWO LENGTHS OF SILT FENCE ⑤

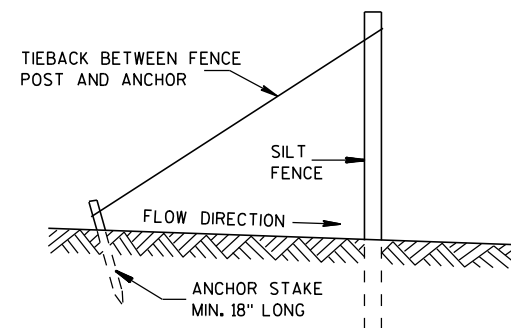
GENERAL NOTES

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

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL

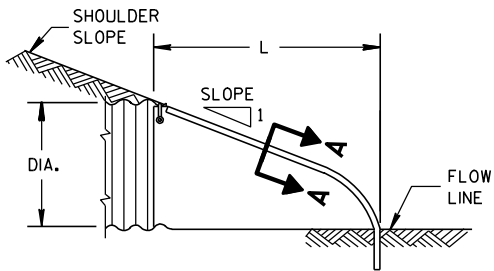
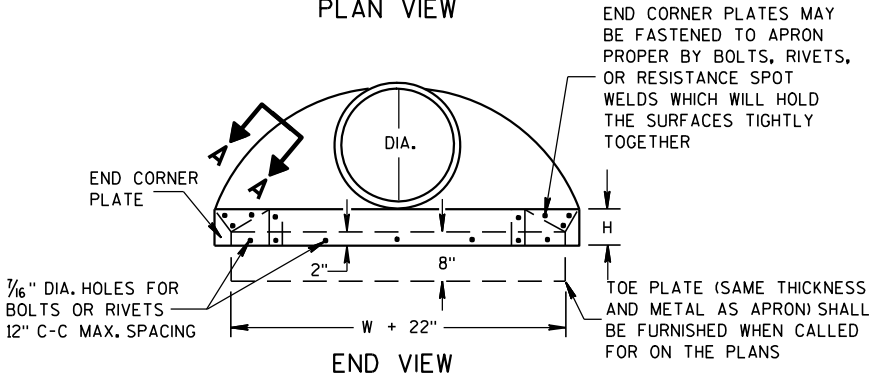
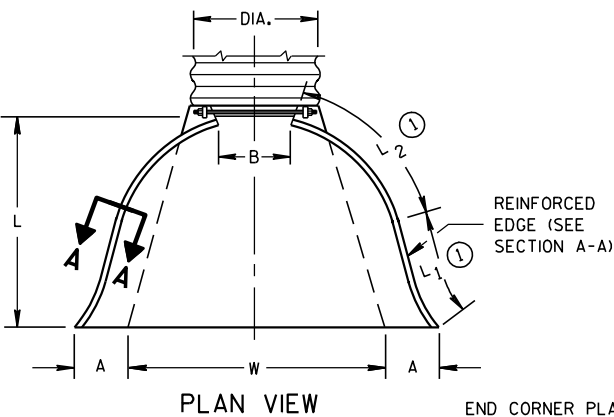


SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4-29-05 DATE	/S/ Beth Canestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

METAL APRON ENDWALLS												
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE		BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")			
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1		1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1		1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1		1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1		1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1		1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1		1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1		2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1		2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1		3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1		3 Pc.
60	.109x	.105x	18	33	12	87	—	—	114	2 to 1		3 Pc.
66	.109x	.105x	18	36	12	87	—	—	120	2 to 1		3 Pc.
72	.109x	.105x	18	39	12	87	—	—	126	2 to 1		3 Pc.
78	.109x	.105x	18	42	12	87	—	—	132	1 1/2 to 1		3 Pc.
84	.109x	.105x	18	45	12	87	—	—	138	1 1/2 to 1		3 Pc.
90	.109x	.105x	18	37	12	87	—	—	144	1 1/2 to 1		3 Pc.
96	.109x	.105x	18	35	12	87	—	—	150	1 1/2 to 1		3 Pc.

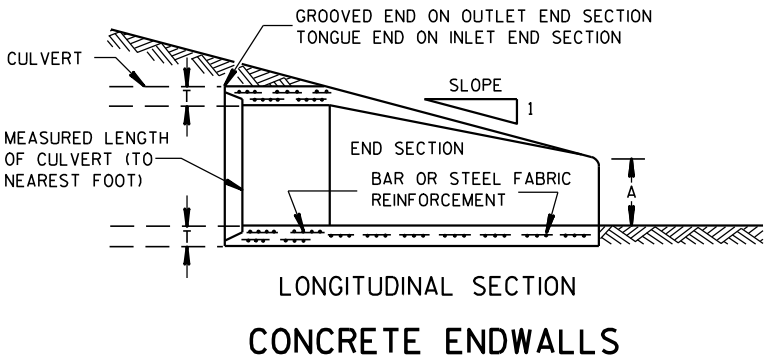
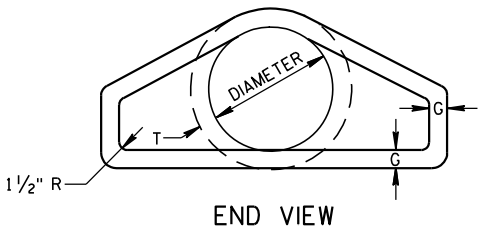
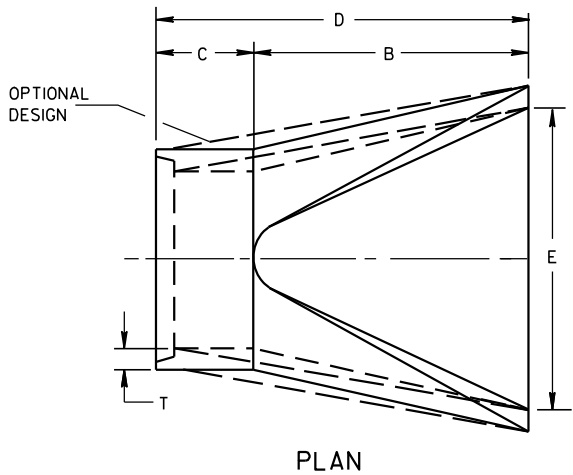
* EXCEPT CENTER PANEL
SEE GENERAL NOTES



SIDE ELEVATION
METAL ENDWALLS

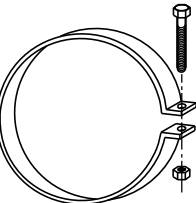
REINFORCED CONCRETE APRON ENDWALLS												
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE				
	T	A	B	C	D	E	G					
12	2	4	24	48 7/8	72 7/8	24	2	3 to 1				
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1				
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1				
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1				
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1				
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1				
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1				
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1				
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1				
48	5	24	72	26	98	84	5	3 to 1				
54	5 1/2	27	65	33 1/4-35	98 1/4-100	90	5 1/2	2 1/2 to 1				
60	6	30-35	60	39	99	96	5	2 to 1				
66	6 1/2	24-30	72-78	21-27	99	102	5 1/2	2 to 1				
72	7	24-36	78	21	99	108	6	2 to 1				
78	7 1/2	24-36	78	21	99	114	6 1/2	2 to 1				
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1				
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1				

* MINIMUM
** MAXIMUM

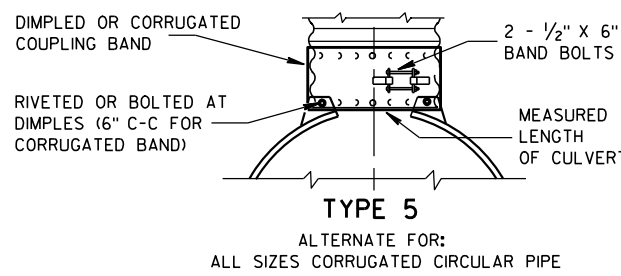
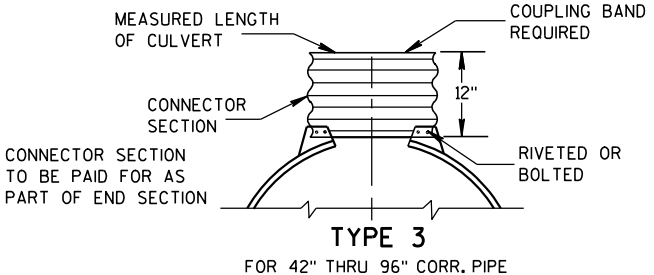
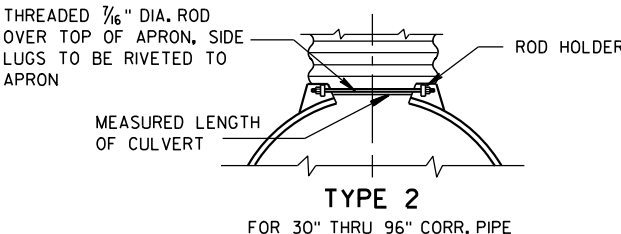
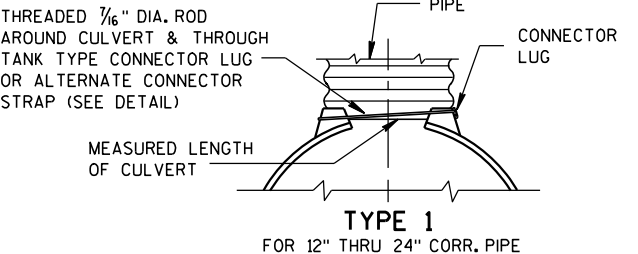


LONGITUDINAL SECTION
CONCRETE ENDWALLS

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



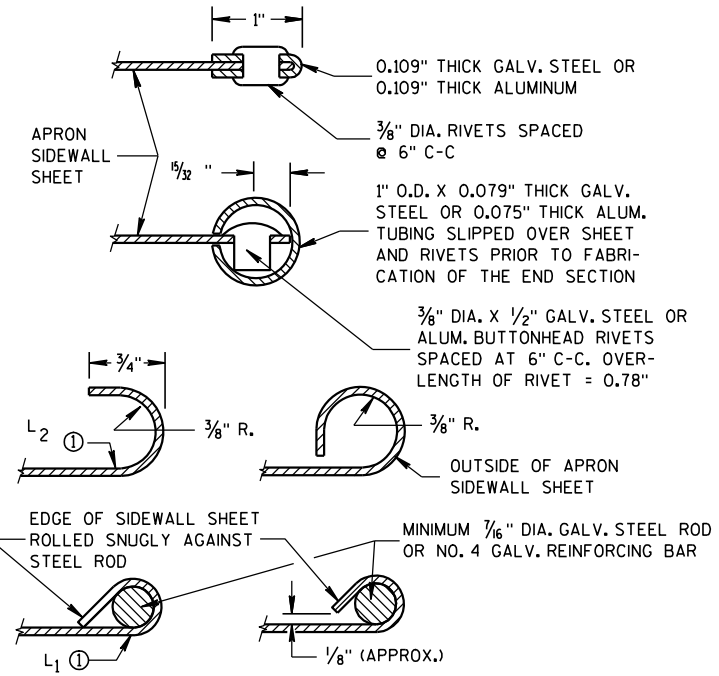
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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.

CONNECTION DETAILS



GENERAL NOTES

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

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 PERIMETER.

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.

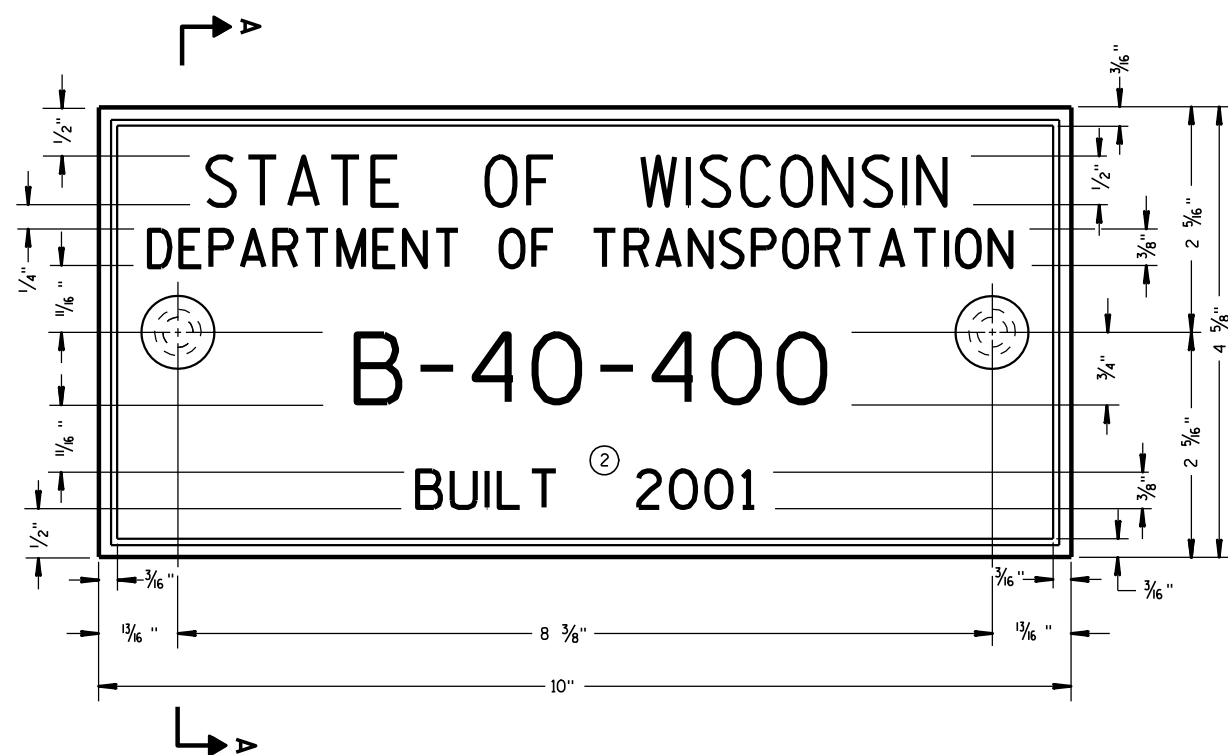
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

APRON ENDWALLS FOR
CULVERT PIPE

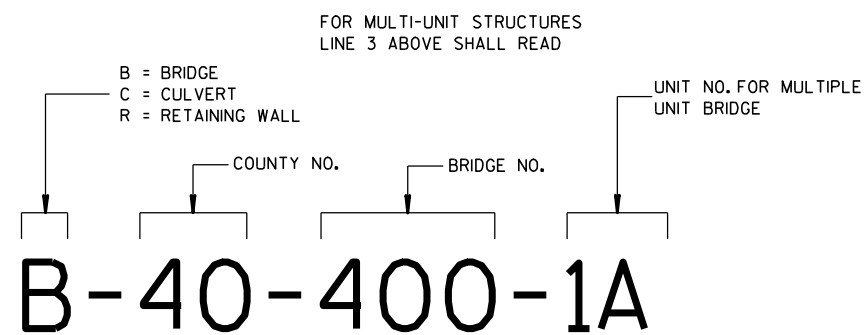
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



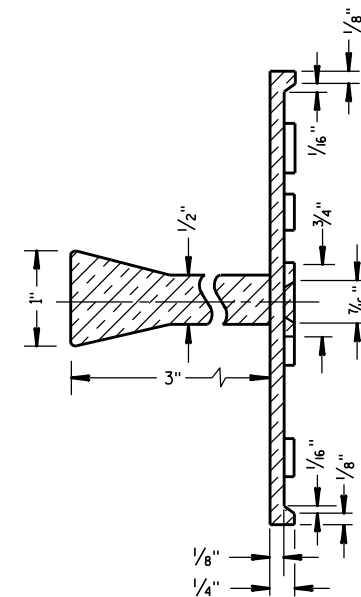
NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

GENERAL NOTES

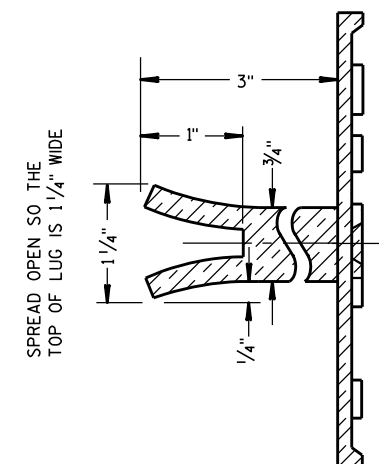
NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

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

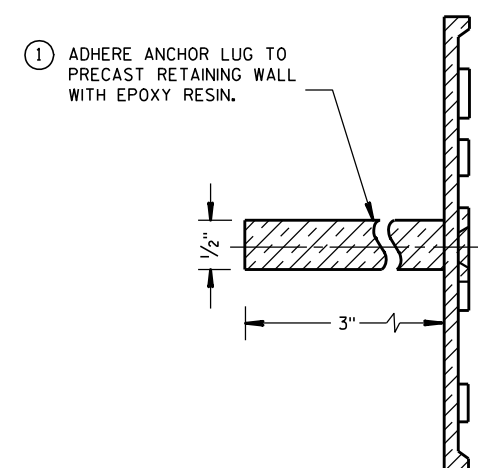
- ① EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ② REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE
(STRUCTURES)

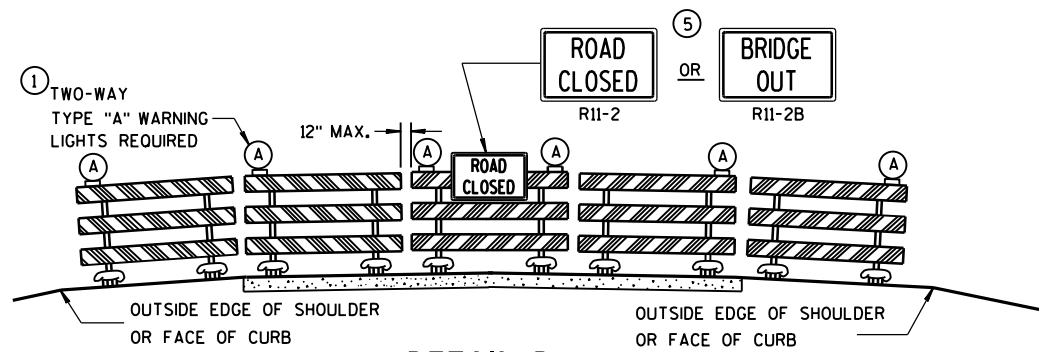
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

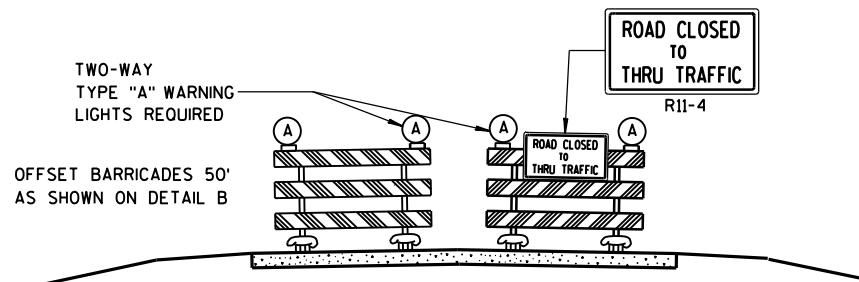
3/26/10
DATE

FHWA

/S/ Scot Becker
CHIEF STRUCTURAL DEVELOPMENT ENGINEER



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON 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.)

M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)

D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1-1 SHALL BE 36" X 36".

- ① TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).
- ② THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- ③ FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- ④ FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- ⑤ FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- ⑥ INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- ⑦ "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

**BARRICADES AND SIGNS
FOR
MAINLINE CLOSURES**

**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

ADT (2013)	=	950
ADT (2033)	=	1070
DHV	=	177
D	=	62/38 %
T	=	6.9 %
DESIGN SPEED	=	35 MPH



NO.	DATE	REVISION	BY
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SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED *William C. Diehn* ^{DNB} 9/17

CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE B-6-192

NORTH WASHINGTON STREET OVER PESSO CREEK	
COUNTY BUFFALO	TOWN/CITY/VILLAGE MONDOVI

DESIGN SPEC.			
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY CJB	DESIGN CK'D. CJB	DRAWN BY DLF	PLANS CK'D. CJB

GENERAL PLAN

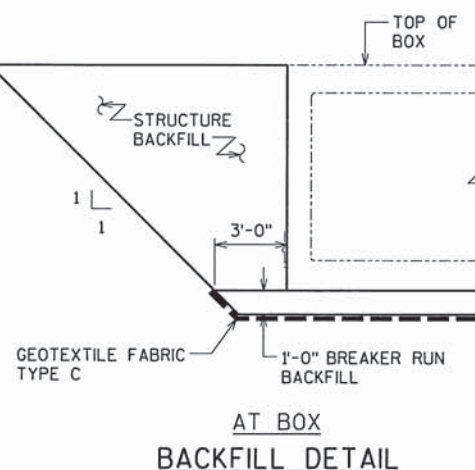
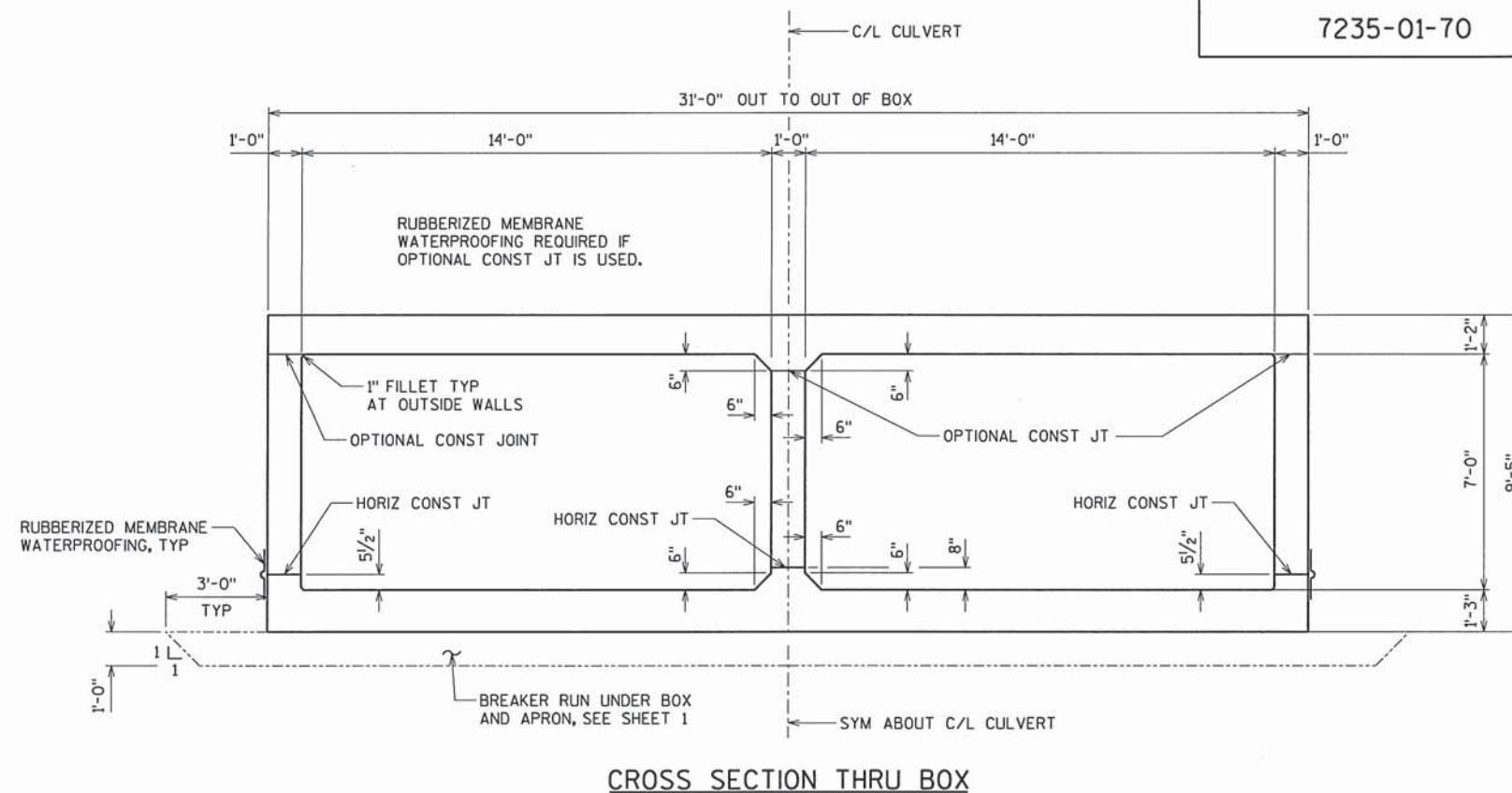
SHEET 1 OF 7

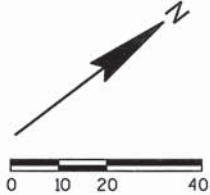
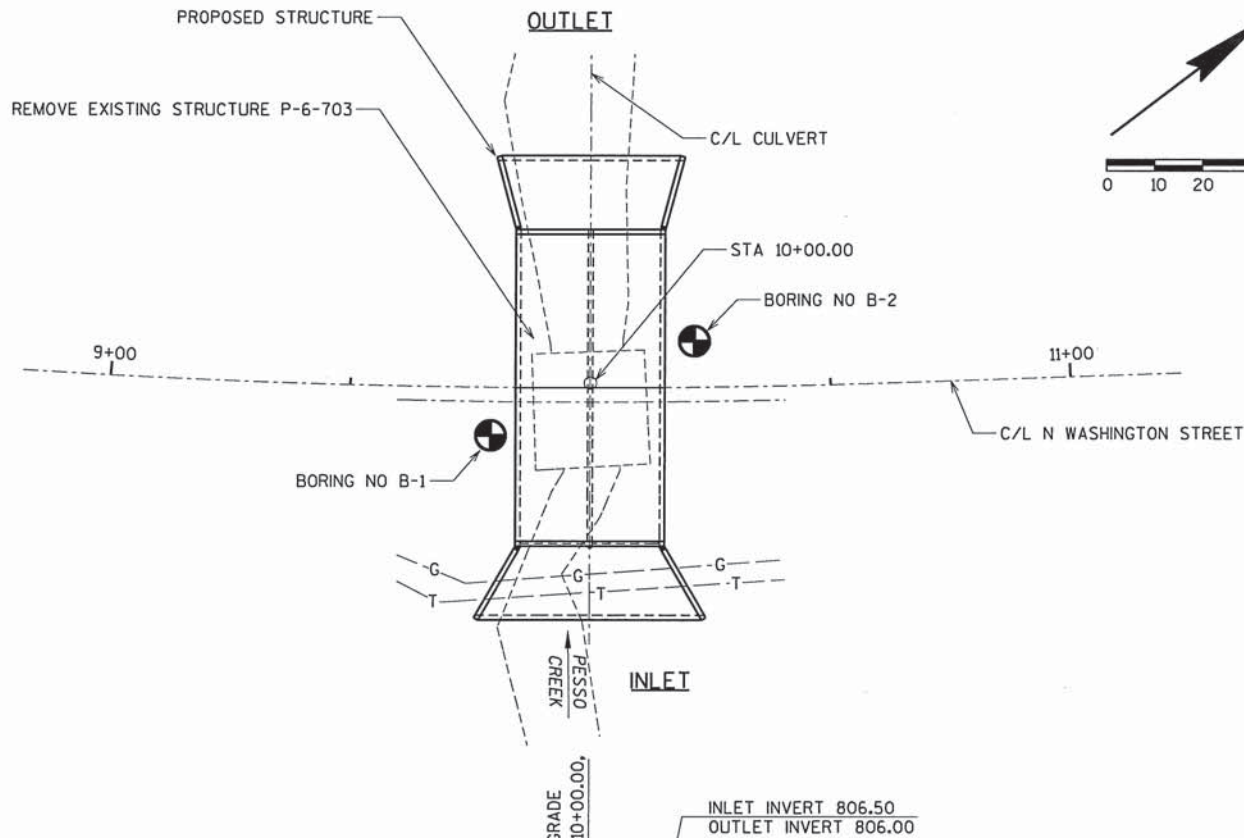
<u>BENCH MARK (NGVD 29)</u>			
NO	STATION	DESCRIPTION	ELEV
1	7+89.12, 18.9' RT	EXISTING 40D SPK IN LTP 3BB22 HOUSE	817.10

- (a) GEOTEXTILE FABRIC TYPE C TO BE PLACED UNDER BOX AND APRON,
- (b) IN LIEU OF CONST JT IN THE BOTTOM SLAB, THE CONTRACTOR MAY PROVIDE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.
- (c) VERTICAL CONSTRUCTIONS JOINT WITH 18" MIN WIDTH RUBBERIZED MEMBRANE WATERPROOFING UP WALLS AND ACROSS TOP OF SLAB.
- (d) 2'-0" THICK RIPRAP. GEOTEXTILE FABRIC TYPE HR TO BE PLACED UNDER RIPRAP.

1 GENERAL PLAN
2 CROSS SECTION AND QUANTITIES
3 SUBSURFACE EXPLORATION
4-6 DETAILS
7 BILL OF BARS

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
OFFICE CONTACT: BILL DREHER, PE, 608.266.8489





SOIL BORING PERFORMED BY:
AMERICAN ENGINEERING TESTING, INC.
4203 SCHOFIELD AVENUE, SUITE #1
SCHOFIELD, WI 54476
PH: 715-359-3534 FAX: 715-359-4032
www.amengtest.com

REPORT BY:
BENJAMIN B. MATTSON, PE
STAFF GEOTECHNICAL ENGINEER

STATE PROJECT NUMBER

7235-01-70

ABBREVIATIONS

F— FINE M— MEDIUM C— COARSE
WS— WEATHERED SO— SOUND

MATERIAL SYMBOLS

TOPSOIL SILT SANDSTONE
SAND PEAT LIMESTONE
GRAVEL CLAY IGNEOUS ROCK

LEGEND OF PROBING

PROBING NO.
STA.
ELEVATION
7 AVERAGE BLOWS PER FOOT
REFUSAL 95/6
95/6=95 BLOWS FOR 6"
PENETRATION
PROBING TAKEN WITH
A 350# WT.
FALLING 18" ON A 2"
O.D. POINT.

LEGEND OF BORING

BORING NO.
STA.
ELEV.
UNCONFINED STRENGTH 7.7
BLOWS PER FT. USING 140# WT. FALLING 30"
WASH SAMPLE
SHELBY TUBE— S.T.
GROUND WATER ELEVATION
NO GROUND WATER OBSERVED ABOVE THIS ELEVATION
SANDY GRAVEL
F. BOULDERS OR COBBLES
SAND
SILTY CLAY
SO LIMESTONE

UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

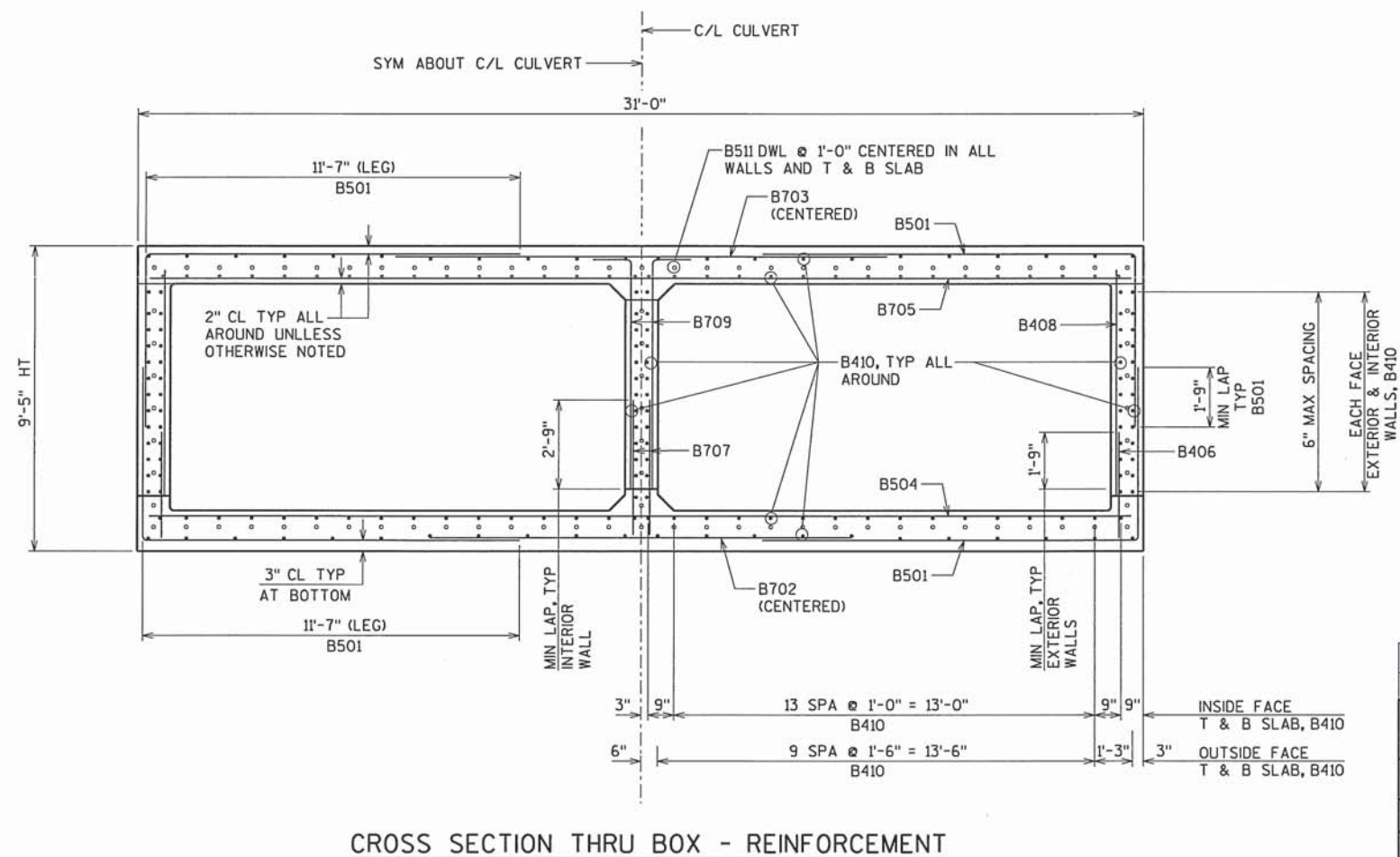
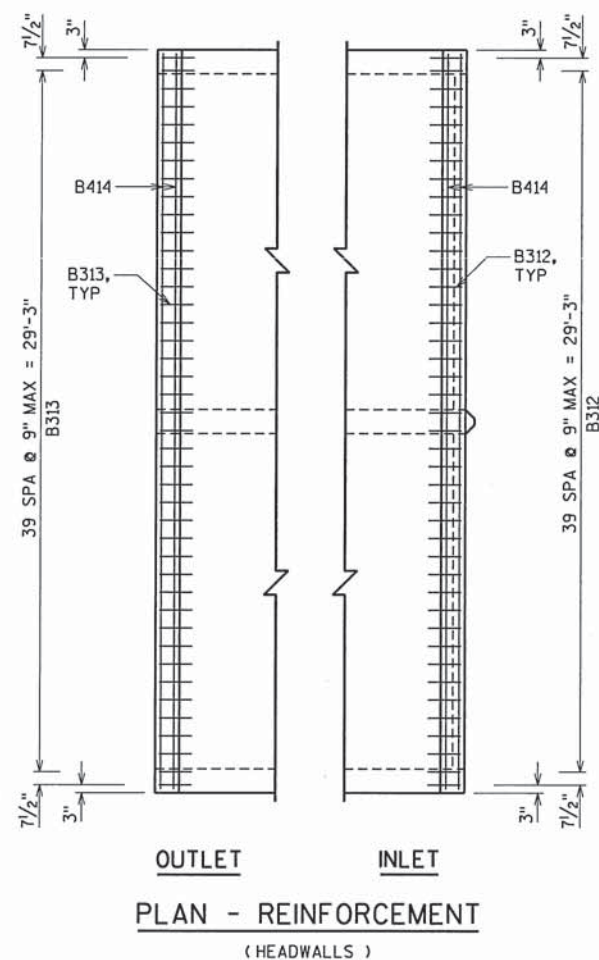
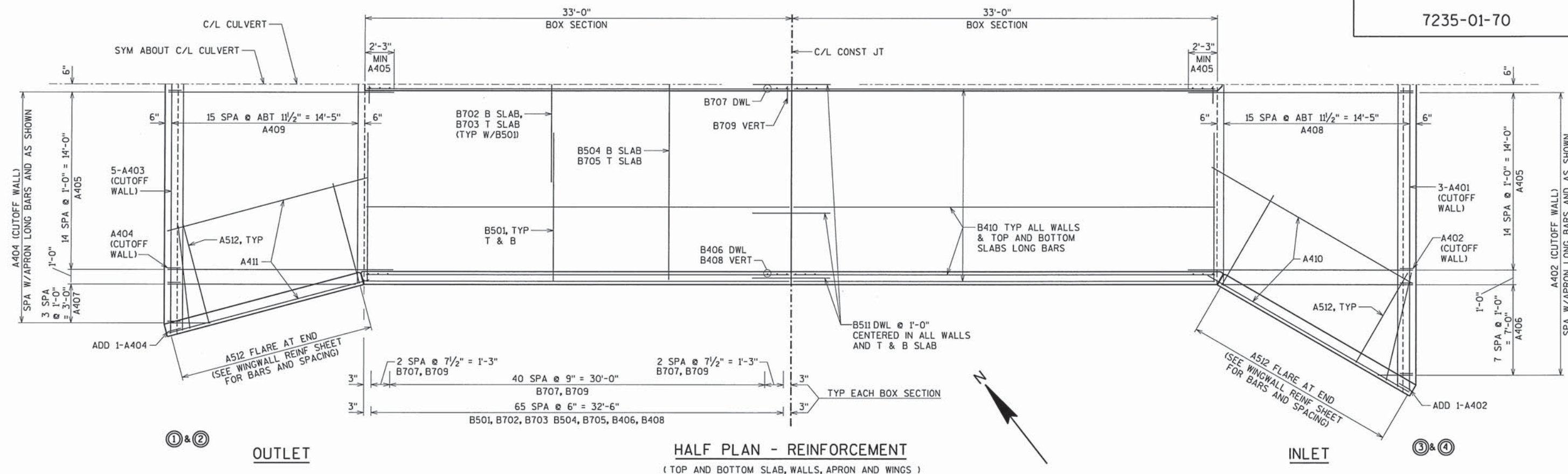
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-6-192			
DRAWN BY DLF		PLANS CK'D. CJB	
SUBSURFACE EXPLORATION			SHEET 3 OF 7

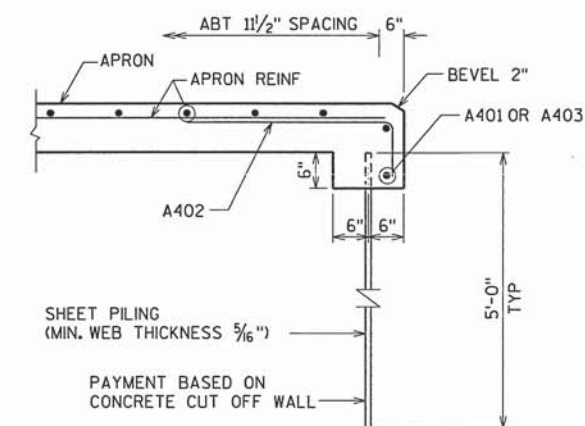
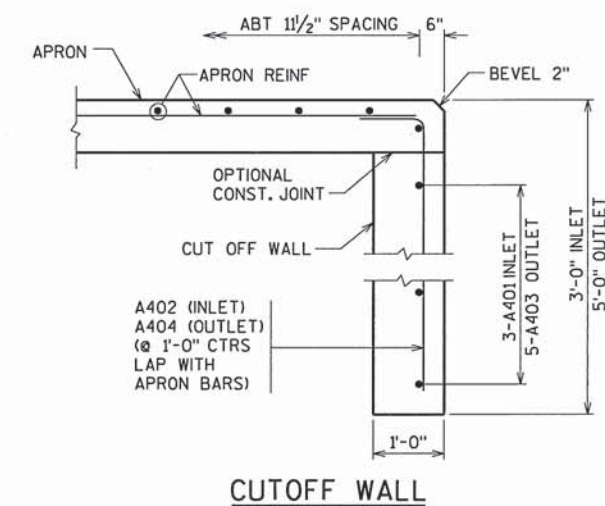
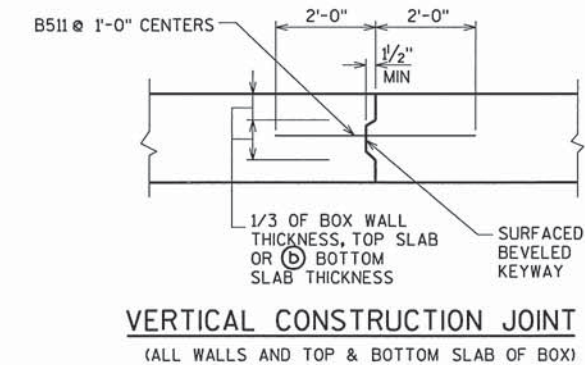
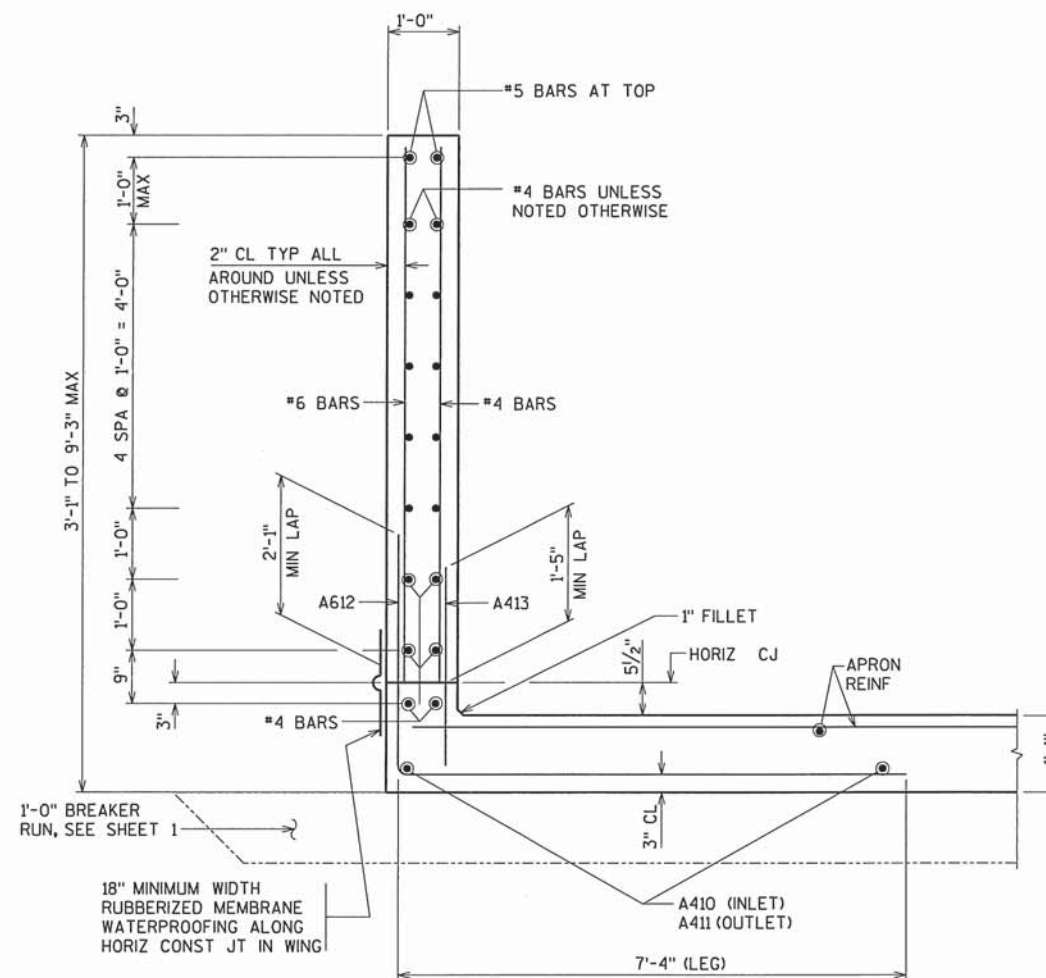
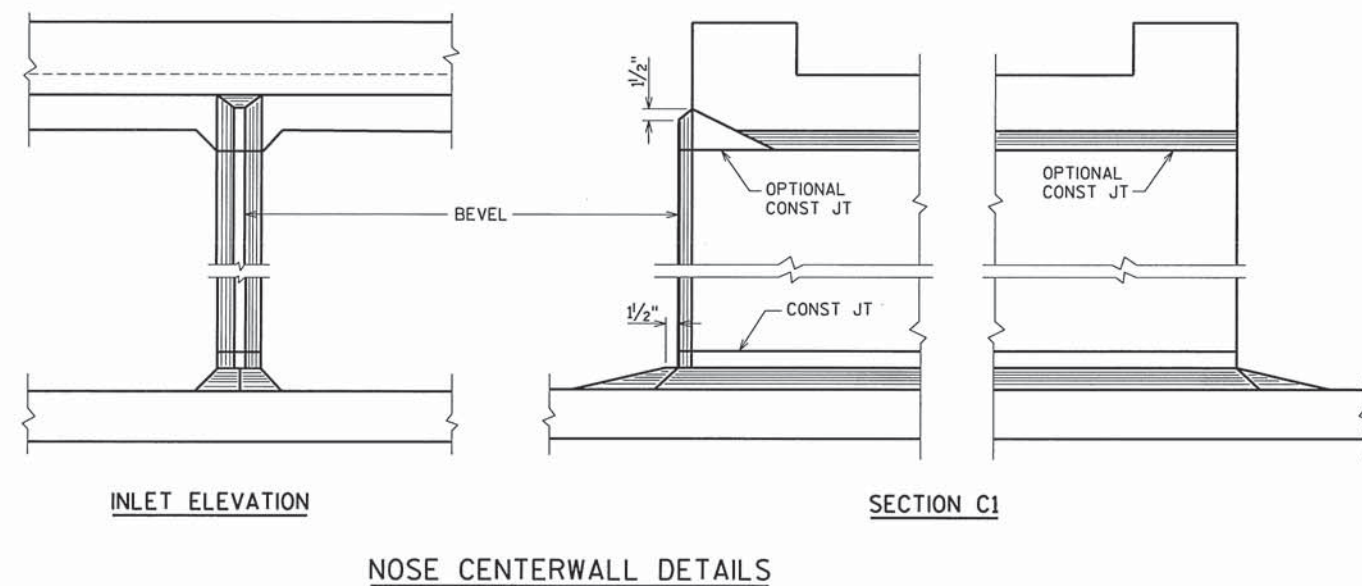
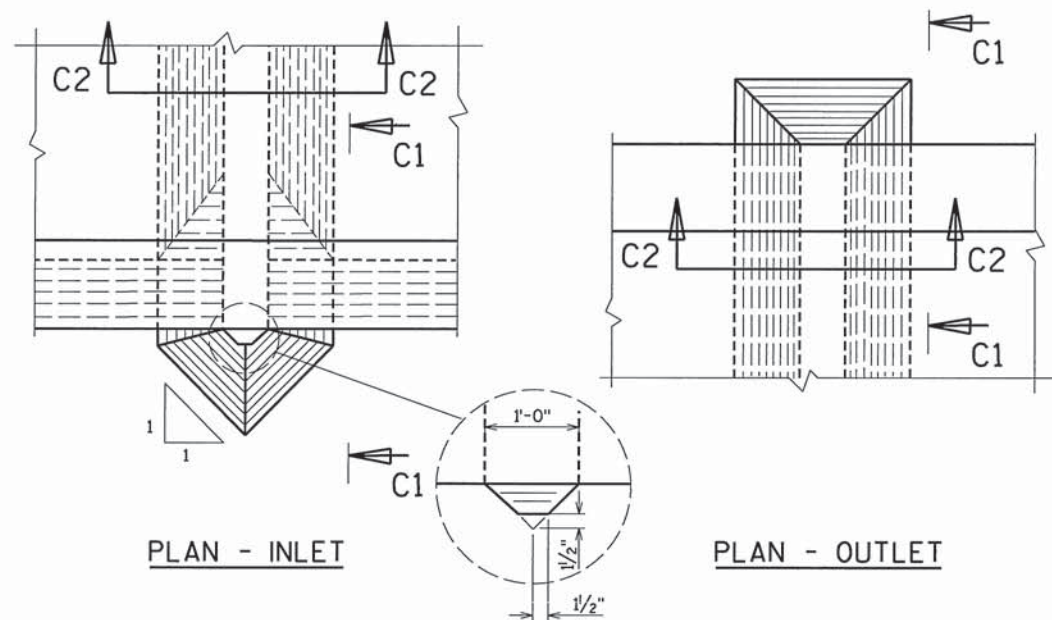
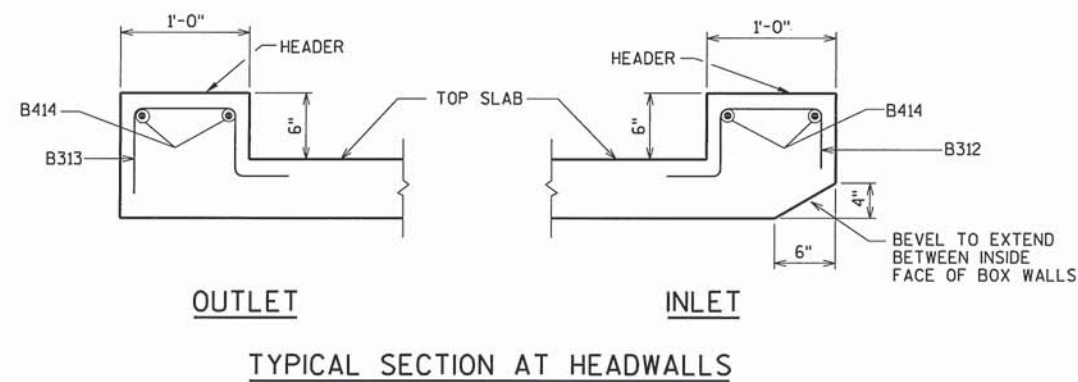
STATE PROJECT NUMBER

7235-01-70



IF = INSIDE FACE
OF = OUTSIDE FACE
T = TOP
B = BOTTOM
EF = EACH FACE
FF = FRONT FACE
BF = BACK FACE

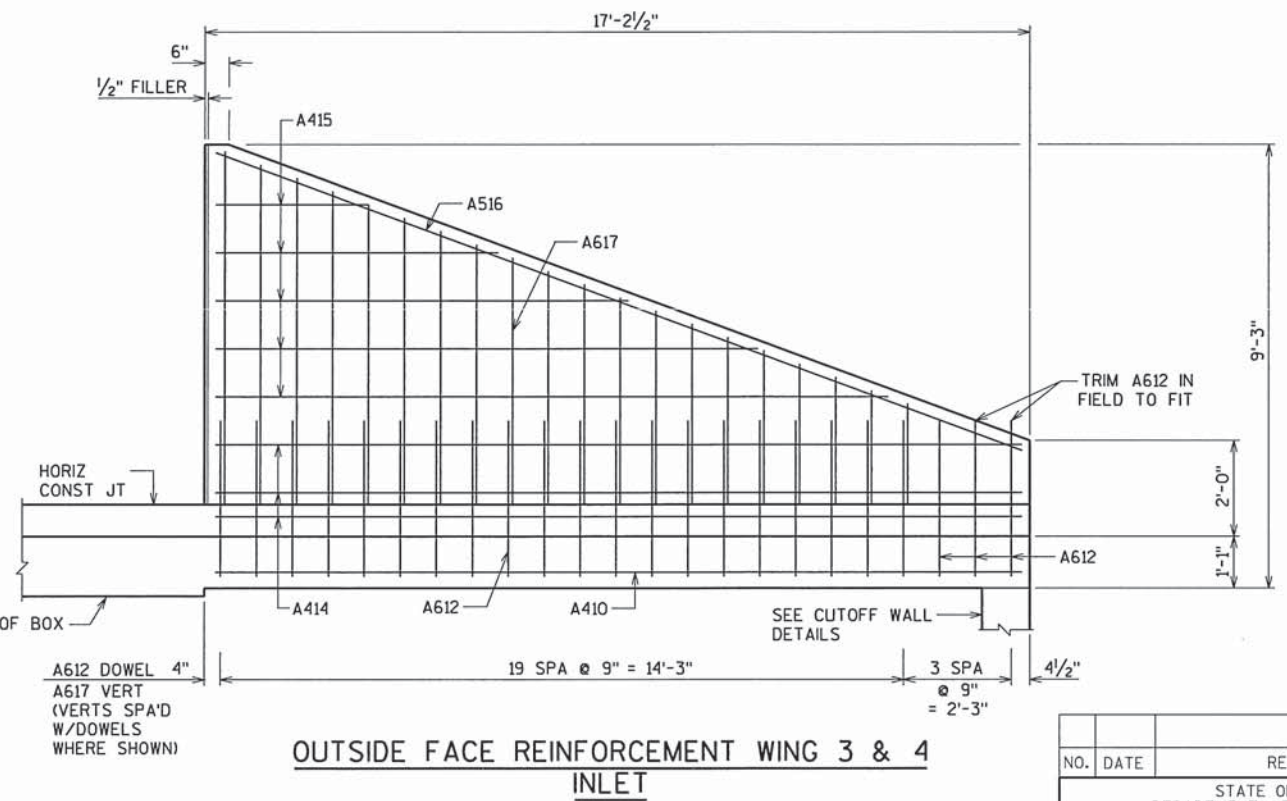
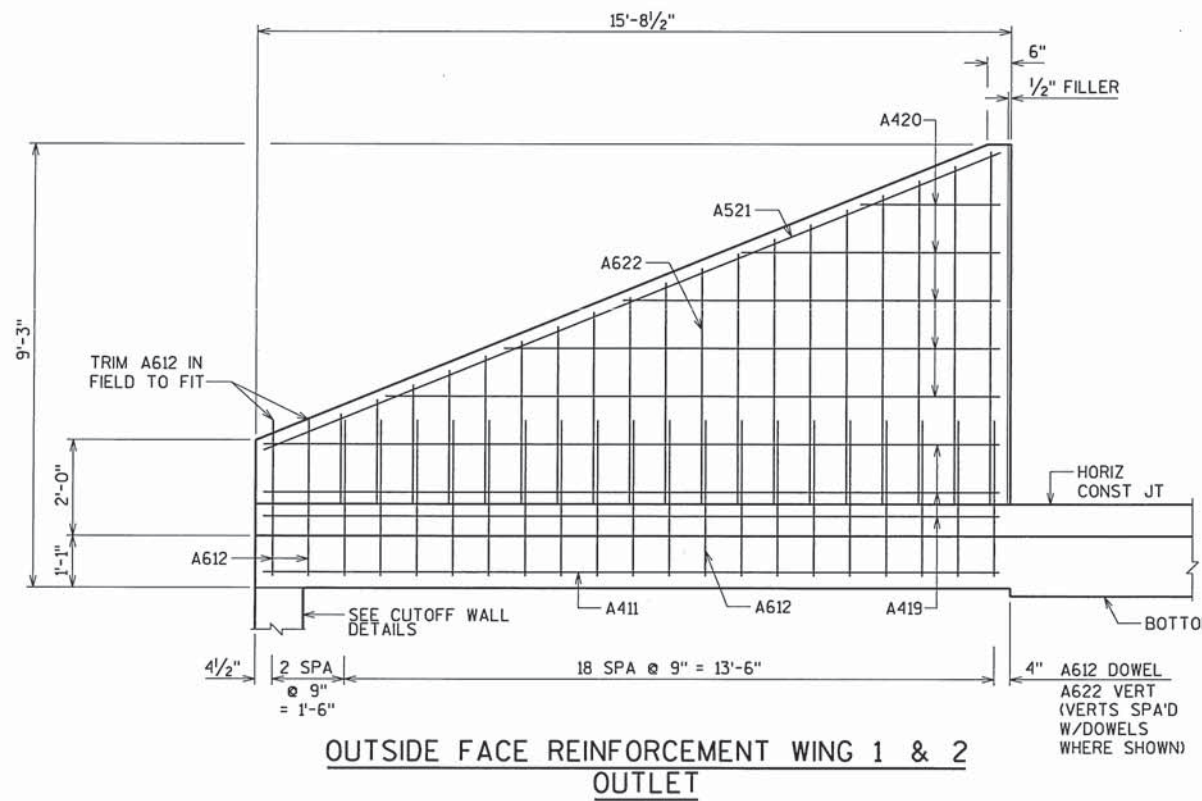
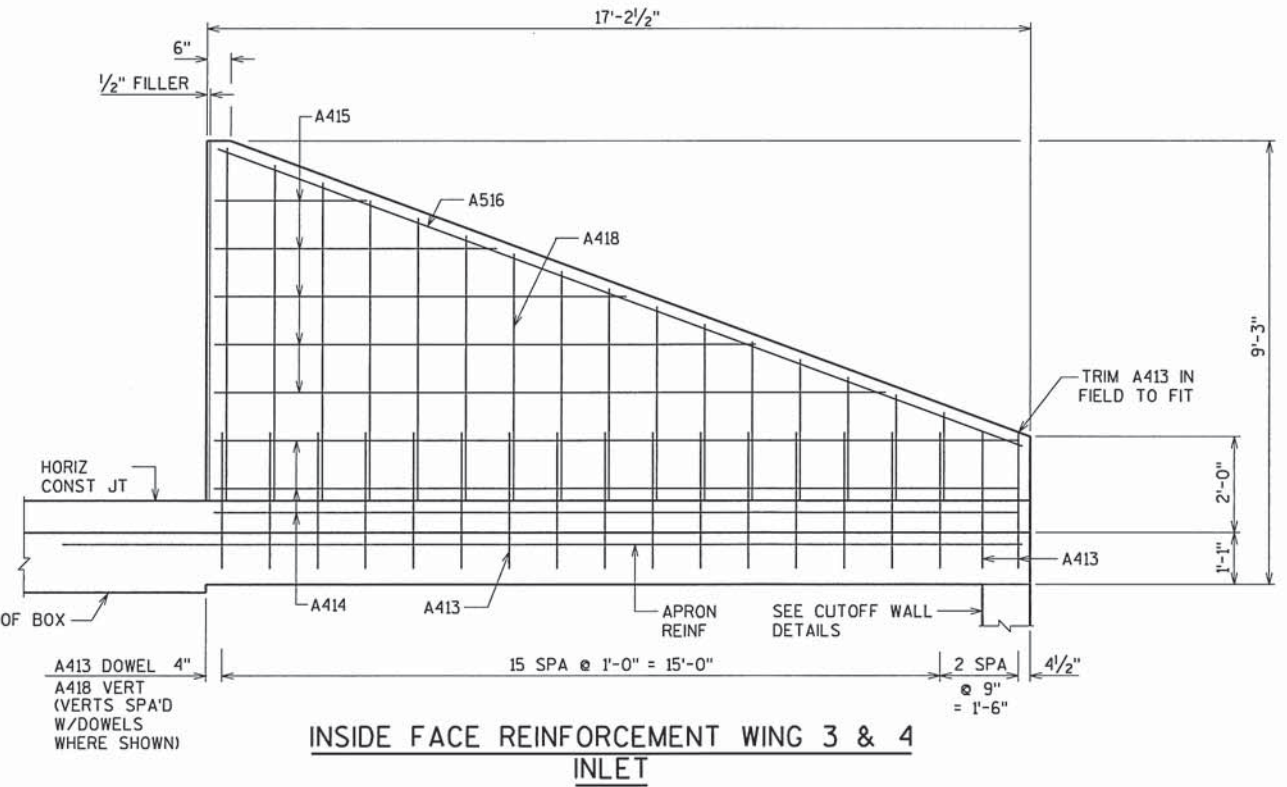
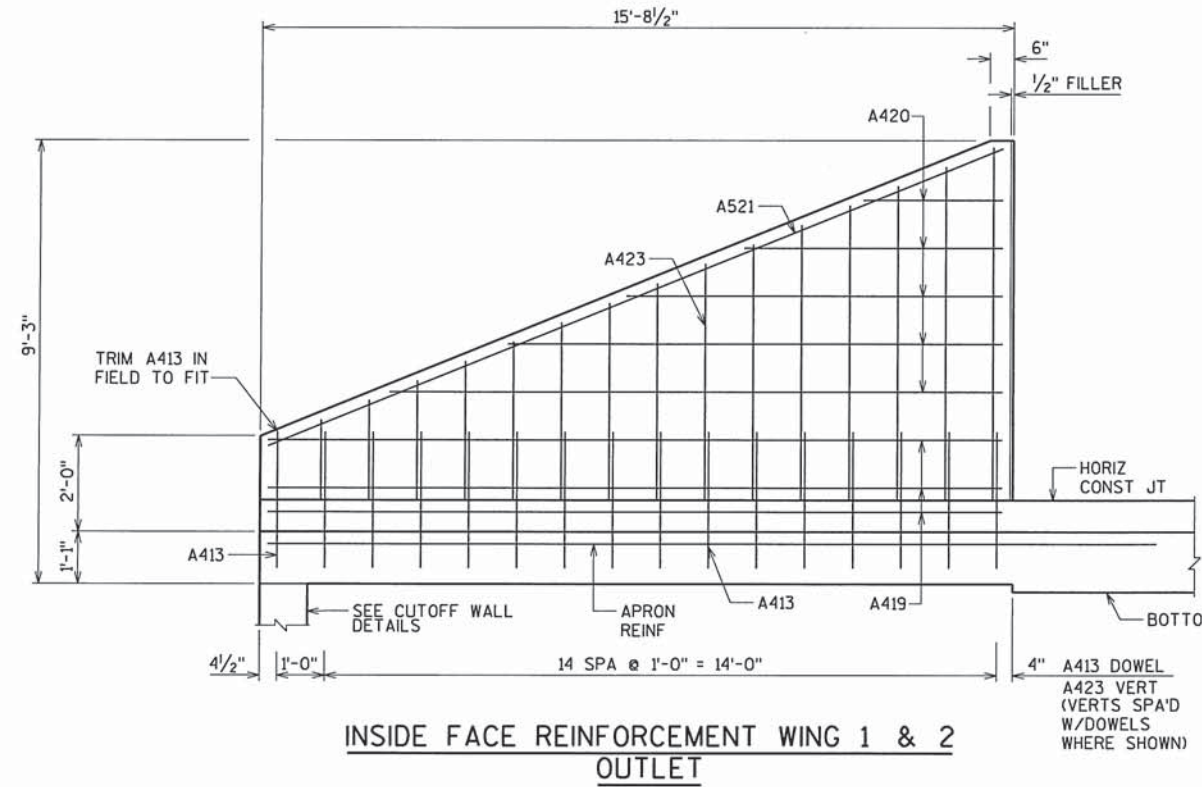
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-6-192			
DRAWN BY DLF		PLANS CK'D. CJB	
DETAILS			SHEET 4 OF 7



IF = INSIDE FACE
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(b) IN LIEU OF CONST JT IN THE BOTTOM SLAB, THE CONTRACTOR MAY PROVIDE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

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DRAWN BY DLF		PLANS CK'D. CJB	
DETAILS		SHEET 5 OF 7	

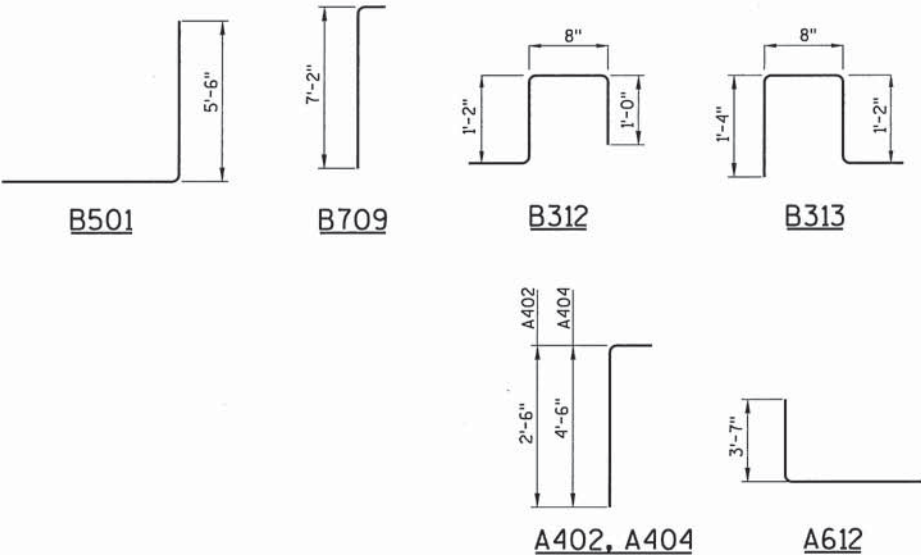


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STRUCTURE B-6-192			
DRAWN BY DLF		PLANS CK'D. CJB	
DETAILS		SHEET 6 OF 7	

NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

LENGTH SHOWN FOR BAR SERIES BARS IS AN AVERAGE LENGTH AND ARE USED FOR BAR WEIGHT CALCULATIONS ONLY. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

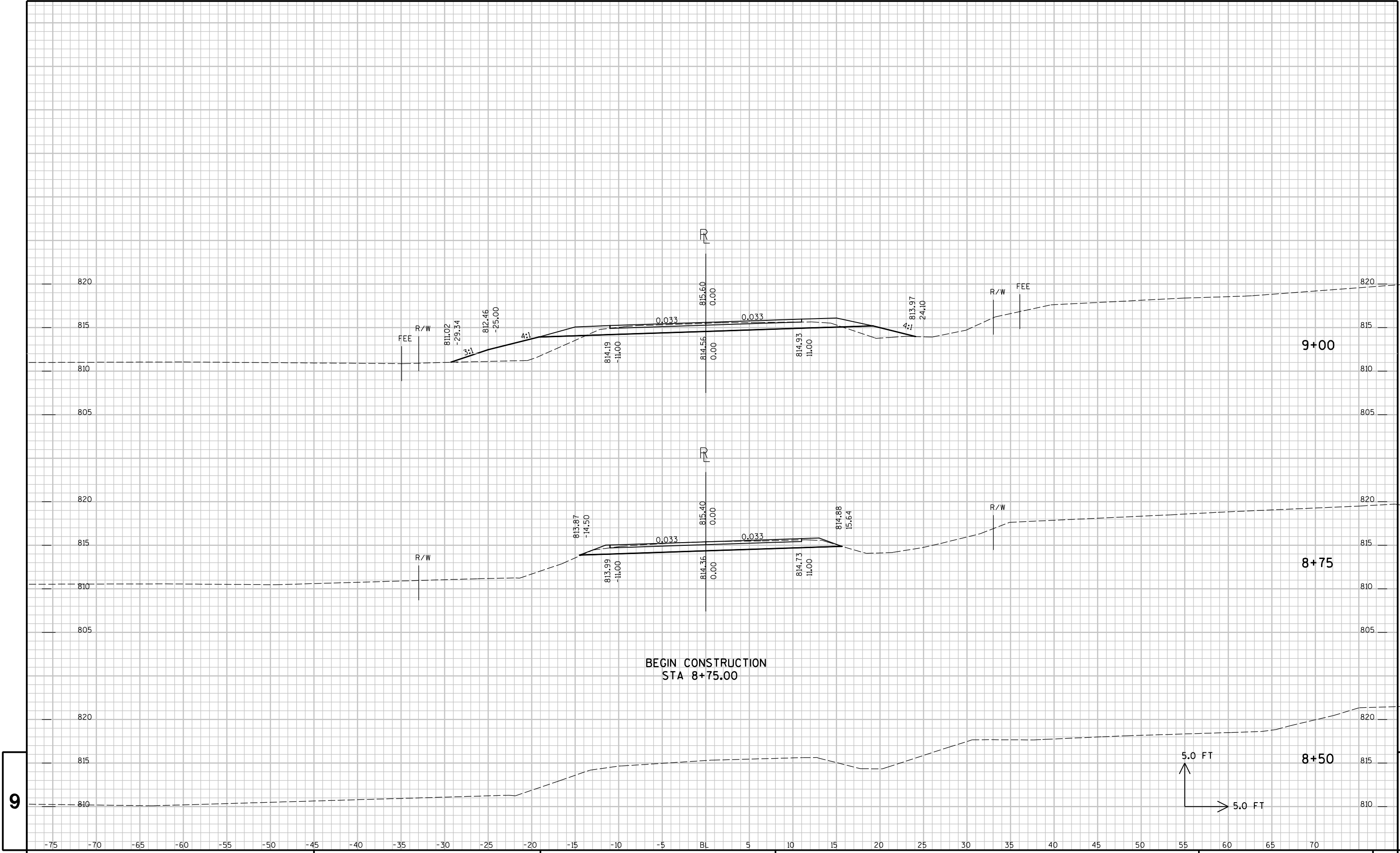


BAR SERIES TABLE				CULVERT	
BAR MARK	BENT	NO. REQ'D.	LENGTH		
APRON & WINGS					
A406		2 SERIES OF 8	2'-8" TO 14'-10"		
A407		2 SERIES OF 4	3'-4" TO 14'-6"		
A408		1 SERIES OF 16	31'-0" TO 47'-2"		
A409		1 SERIES OF 16	30'-9" TO 38'-5"		
A415		4 SERIES OF 5	3'-2" TO 14'-0"		
A617		2 SERIES OF 20	2'-1" TO 7'-3"		
A418		2 SERIES OF 16	1'-9" TO 7'-3"		
A420		4 SERIES OF 5	2'-11" TO 12'-9"		
A622		2 SERIES OF 19	1'-9" TO 7'-3"		
A423		2 SERIES OF 15	1'-8" TO 7'-3"		

BILL OF BARS						CULVERT
BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
BOX						
B501		528	17 - 0		X	CORNERS T & B
B702		132	13 - 0			TRANS, OF, B SLAB
B703		132	15 - 2			TRANS, OF, T SLAB
B504		132	30 - 0			TRANS, IF, B SLAB
B705		132	30 - 0			TRANS, IF, T SLAB
B406		264	3 - 1			DOWELS EXT WALLS
B707		180	4 - 1			DOWELS INT WALL
B408		264	6 - 11			VERT, IF, EXT WALLS
B709		180	8 - 2		X	VERT, EF, INT WALL
B410		372	32 - 7			LONGITUDINAL
B511		83	4 - 0			DOWEL AT CJ
B312		42	3 - 4		X	HEADER INLET
B313		42	3 - 8		X	HEADER OUTLET
B414		4	30 - 7			HEADER LONG
APRONS & WINGS						
A401		3	47 - 2			INLET CUTOFF LONG
A402		48	3 - 5		X	INLET CUTOFF VERT
A403		5	38 - 6			OUTLET CUTOFF LONG
A404		40	5 - 5		X	OUTLET CUTOFF VERT
A405		60	17 - 6			INLET & OUTLET LONG
A406		16	8 - 9	X		INLET LONG
A407		8	8 - 11	X		OUTLET LONG
A408		16	39 - 1	X		INLET TRANS
A409		16	34 - 7	X		OUTLET TRANS
A410		4	18 - 0			INLET SLAB BOT
A411		4	16 - 0			OUTLET SLAB BOT
A612		88	10 - 10		X	WING DOWEL, OF
A413		68	2 - 8			WING DOWEL, IF
A414		12	16 - 9			WING 3 & 4 HOR
A415		20	8 - 7	X		WING 3 & 4 HOR
A516		4	17 - 11			WING 3 & 4 HOR TOP
A617		40	4 - 8	X		WING 3 & 4, OF, VERT
A418		32	4 - 6	X		WING 3 & 4, IF, VERT
A419		12	15 - 3			WING 1 & 2 HOR
A420		20	7 - 10	X		WING 1 & 2 HOR
A521		4	16 - 6			WING 1 & 2 HOR TOP
A622		38	4 - 6	X		WING 1 & 2, OF, VERT
A423		30	4 - 6	X		WING 1 & 2, IF, VERT

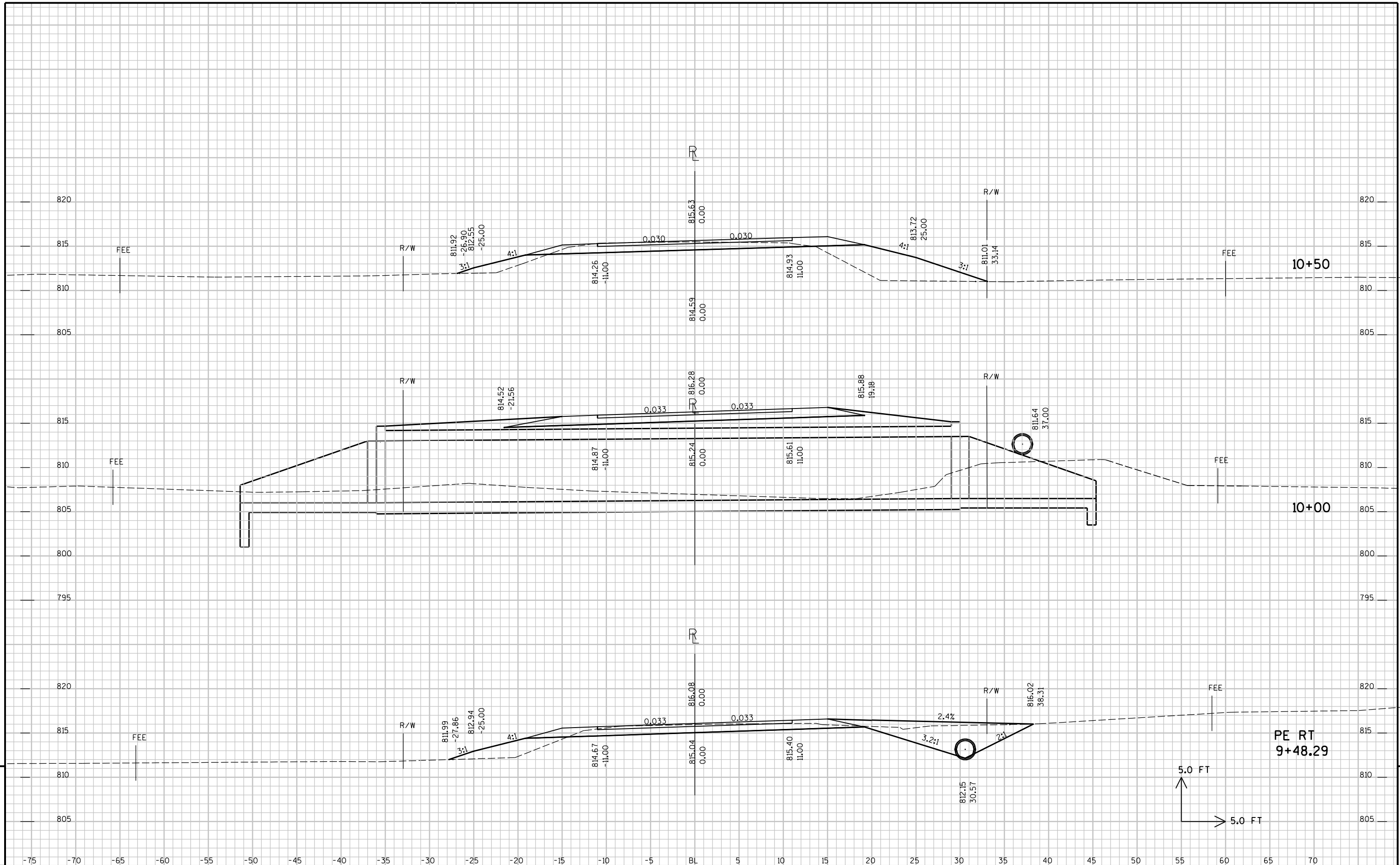
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-6-192			
DRAWN BY DLF		PLANS CK'D. CJB	
BILL OF BARS			SHEET 7 OF 7

EARTHWORK							
WASHINGTON STREET, CITY OF MONDOVI					* EXPANDED 30%		
	END AREA		VOLUME		CUM VOLUME		MASS HAUL
STATION	CUT (SF)	FILL (SF)	CUT (CY)	*FILL (CY)	CUT (CY)	FILL (CY)	(CY)
7+50	0	0	0	0	0	0	0
8+00	0	0	0	0	0	0	0
8+50	0	0	0	0	0	0	0
8+75	25.5	0	12	0	12	0	12
9+00	22.9	26.1	22	16	34	16	19
9+48	53.8	22.7	68	56	102	72	30
10+00	0	58.5	52	102	154	174	-20
10+50	22.7	45.4	21	125	175	299	-124
11+00	22.2	32.7	42	94	217	393	-176
11+25	27.6	0	23	20	240	413	-173
11+50	0	0	13	0	253	413	-160
12+00	0	0	0	0	253	413	-160
12+50	0	0	0	0	253	413	-160



9

9



PROJECT NO : 7235-01-70

HWY : N WASHINGTON ST

COUNTY : BUFFALO

CROSS SECTIONS - N WASHINGTON ST

SHEET NO:

E

FILE NAME : P:\KOV\N\Wond\114576\CAD\XBWASH01.dgn

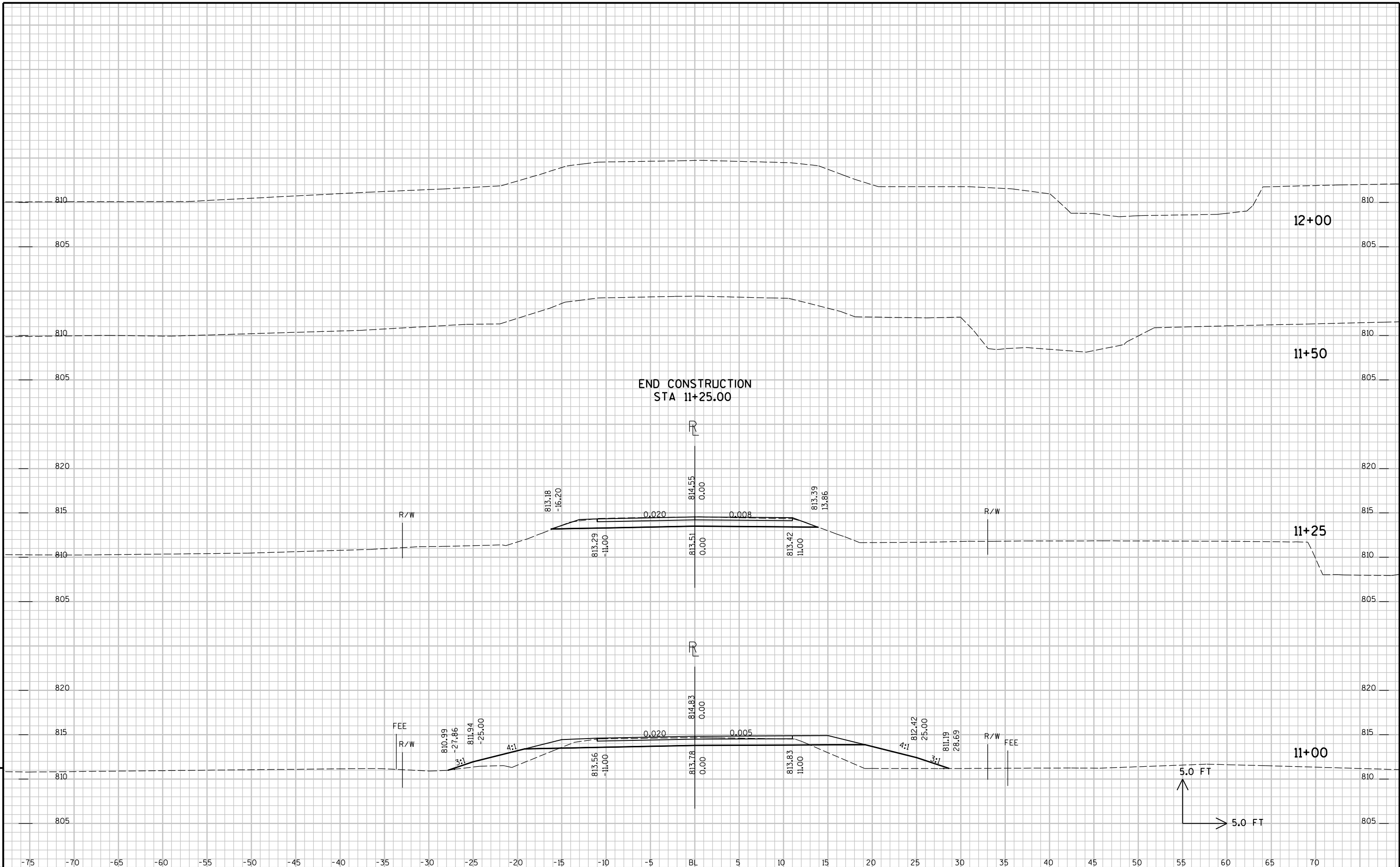
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PLOT DATE : 7/29/2013

PLOT BY : SEH

PLOT NAME :

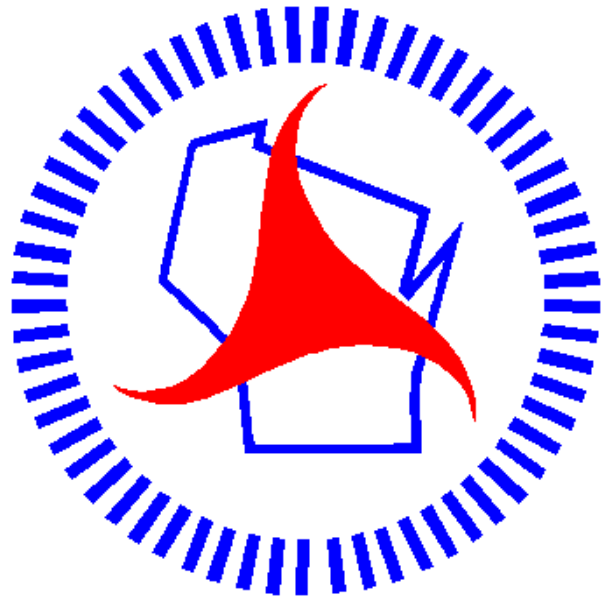
PLOT SCALE : N/A



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Notes



Wisconsin Department of Transportation

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