

PROJECT ID: 5005-00-71
WITH: N/A

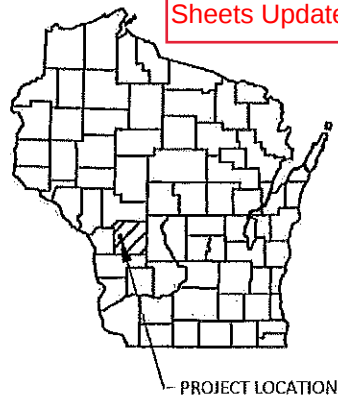
COUNTY: MONROE

ORDER OF SHEETS

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

TOTAL SHEETS =

Original Total: 36
Sheets Deleted: 24, 30, 31, 32, 33, 34
New Sheets: 14.1, 24a, 30a, 31a, 32a, 33a, 34a
Sheets Updated: 9, 14, 14.1, 22, 24a



DESIGN DESIGNATION

A A D T.	(2019)	=	560
A A D T.	(2039)	=	590
D.H.V.		=	188
D D		=	60/40
T		=	4.0%
DESIGN SPEED		=	50 MPH
ESALS		=	59,000

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS	////
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	CAUTION
MARSH AREA	---
WOODED OR SHRUB AREA	---

PROFILE

GRADE LINE	---
ORIGINAL GROUND	---
MARSH OR ROCK PROFILE (To be noted as such)	---
SPECIAL DITCH	---
GRADE ELEVATION	---
CULVERT (Profile View)	---
UTILITIES	---
ELECTRIC	---
FIBER OPTIC	---
GAS	---
SANITARY SEWER	---
STORM SEWER	---
TELEPHONE	---
WATER	---
UTILITY PEDESTAL	---
POWER POLE	---
TELEPHONE POLE	---

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STH 21 - CTH B
(BRANCH LA CROSSE RIVER BRIDGE C-41-0139)

CTH Q
MONROE COUNTY

STATE PROJECT NUMBER

5005-00-71

AS-BUILT PLAN

SUPERVISOR: Jim Savoldelli
PROJECT MANAGER: Brian Meyer
PROJECT LEADER: Matt Palkowski
CONTRACTOR: Concrete Structures, Inc.
CONSTRUCTION STARTED: 04/01/2019
CONSTRUCTION COMPLETE: 06/21/2019

STATE PROJECT

5005-00-71

FEDERAL PROJECT

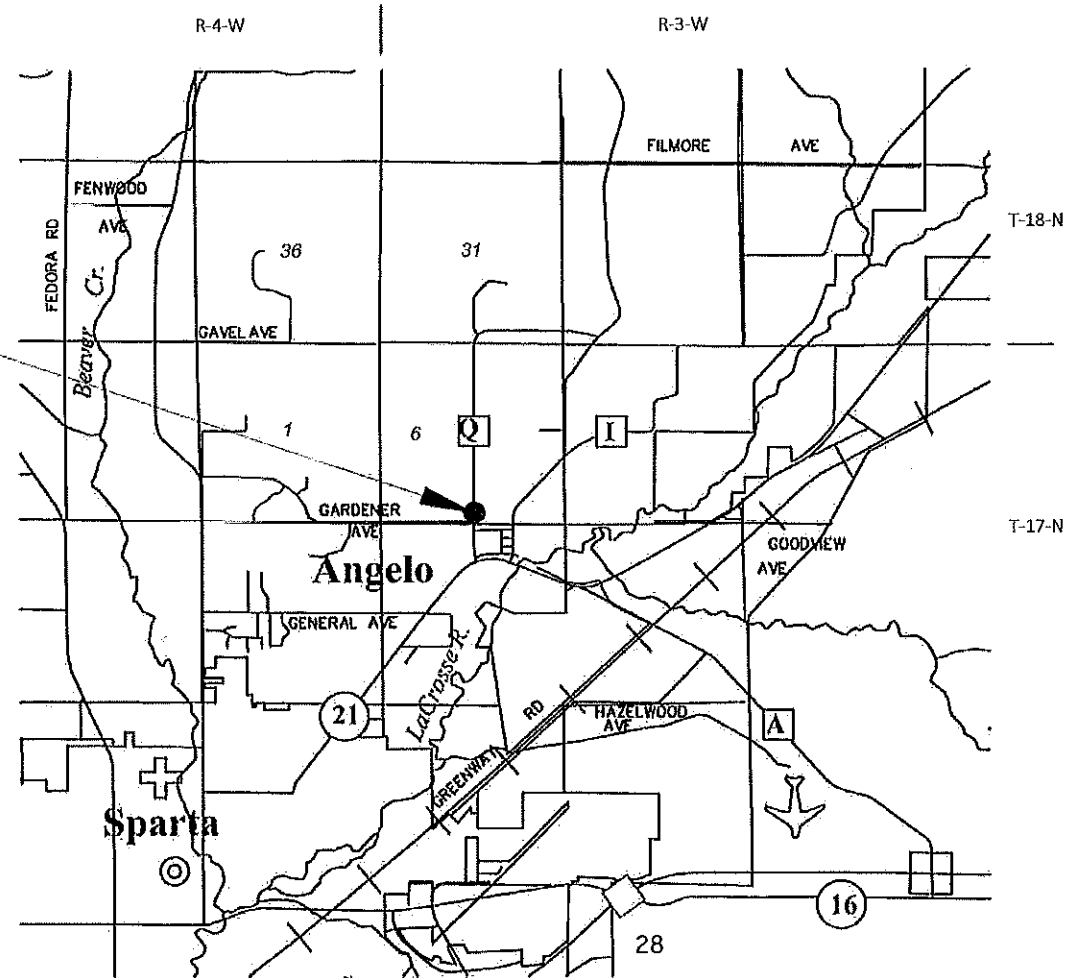
PROJECT

CONTRACT

END PROJECT
STA 11+00.00

STRUCTURE C-41-0139
STA 10+00.00

BEGIN PROJECT
STA 9+00.00
Y=389709.420
X=634280.627



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.038 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MONROE COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

Subcontractor List

Brickline Inc.
Geo-Metra Surveying & Mapping, LLC
Mathy Construction Company
Mattison Contractors, Inc.
Safemark, LLC
St. Joseph Construction Co., Inc.

ACCEPTED FOR
MONROE COUNTY
DATE 07/06/18
HIGHWAY COMMISSIONER
ORIGINAL PLANS PREPARED BY

Cedar
corporation

MENOMONIE - MADISON - GREEN BAY - CEDARBURG
www.cedarcorp.com
800-472-7372



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor CEDAR CORPORATION
Designer CEDAR CORPORATION
Management Consultant KL ENGINEERING

APPROVED FOR THE DEPARTMENT
DATE 7/25/18
(Management Consultant Signature)

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.

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

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

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE FERTILIZED AND SEEDED AS DIRECTED BY THE ENGINEER. USE SEED MIX NO. 10 EXCEPT FOR THE RESIDENTIAL PROPERTY USE SEED MIX NO. 40 AND ALONG THE STREAM BANKS USE SEED MIX NO. 60.

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), MONROE COUNTY.

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

STANDARD ABBREVIATIONS

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

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
MORMON COULEE ROAD
LA CROSSE, WI 54601
(608) 785-9115
KAREN KALVELAGE
karen.kalvelage@dnr.wisconsin.gov

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josh.weiss@cedarcorp.com

MONROE COUNTY

HIGHWAY COMMISSIONER
MONROE COUNTY HIGHWAY DEPARTMENT
803 WASHINGTON ST
SPARTA, WI 54656
(608) 269-8740
DAVID OHNSTAD
David.Ohnstad@co.monroe.wi.us

UTILITIES

CENTURYLINK
333 N FRONT ST
P.O. BOX 4800
LA CROSSE, WI 54602
(608) 796-7869
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Tom.L.Murray@centurylink.com

WE ENERGIES
1921 8TH STREET
WISCONSIN RAPIDS, WI 54494
(715) 421-7256
TRAVIS KAHL
travis.kahl@we-energies.com

XCEL ENERGY
1003 SOUTH BLACK RIVER
SPARTA, WI 54656
(608) 789-3714
laurie.a.freeman@xcelenergy.com



Dial 811 or (800)242-8511

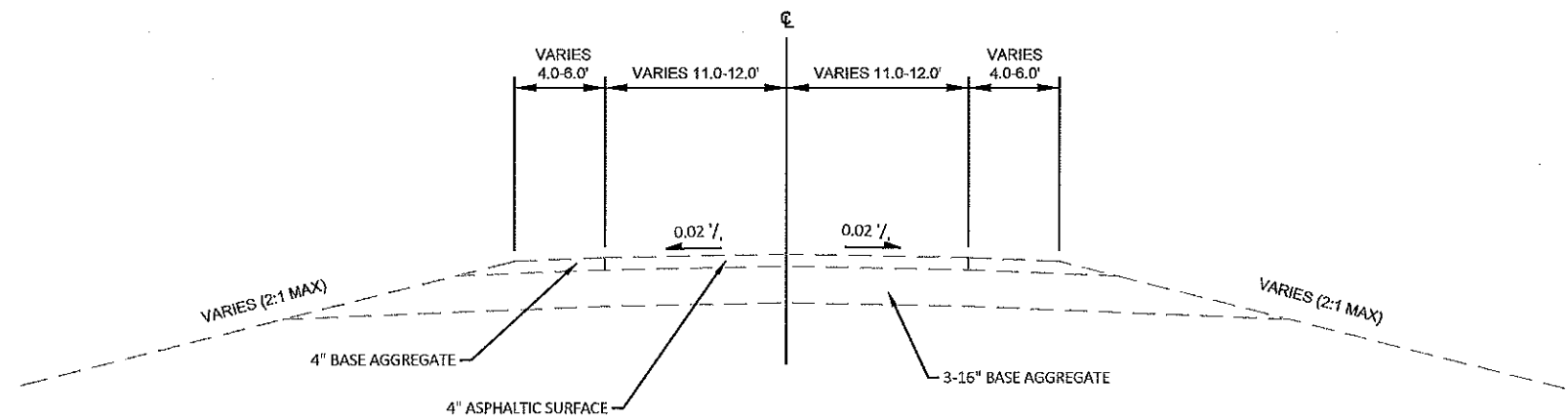
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**DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

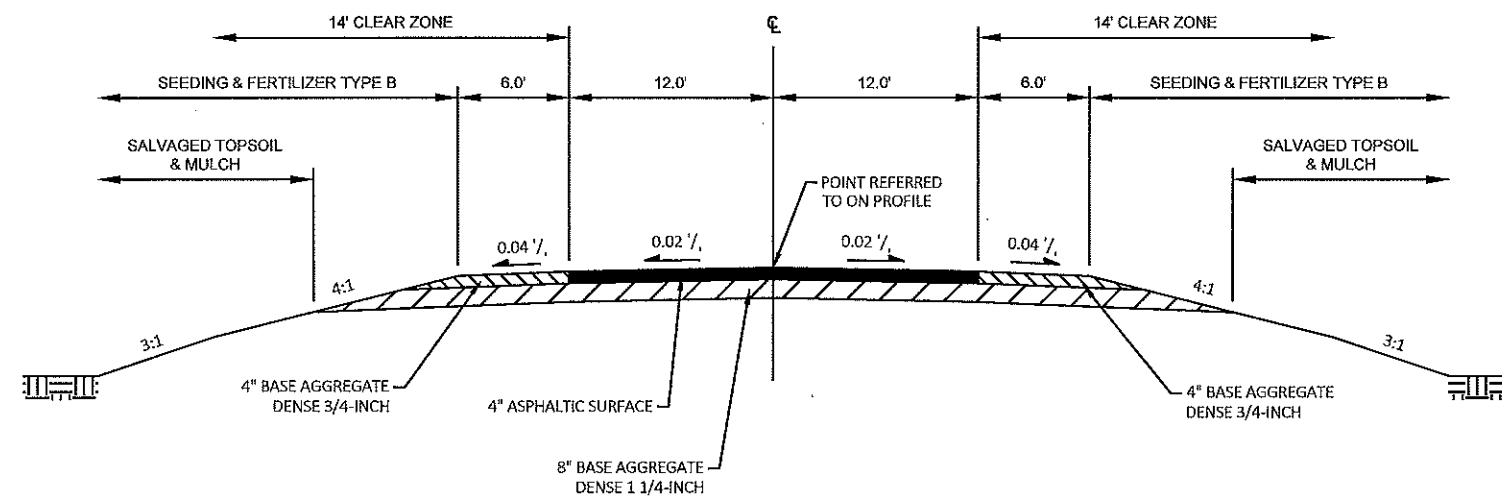
TOTAL PROJECT AREA = 0.38 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.38 ACRES



TYPICAL EXISTING SECTION

CTH Q

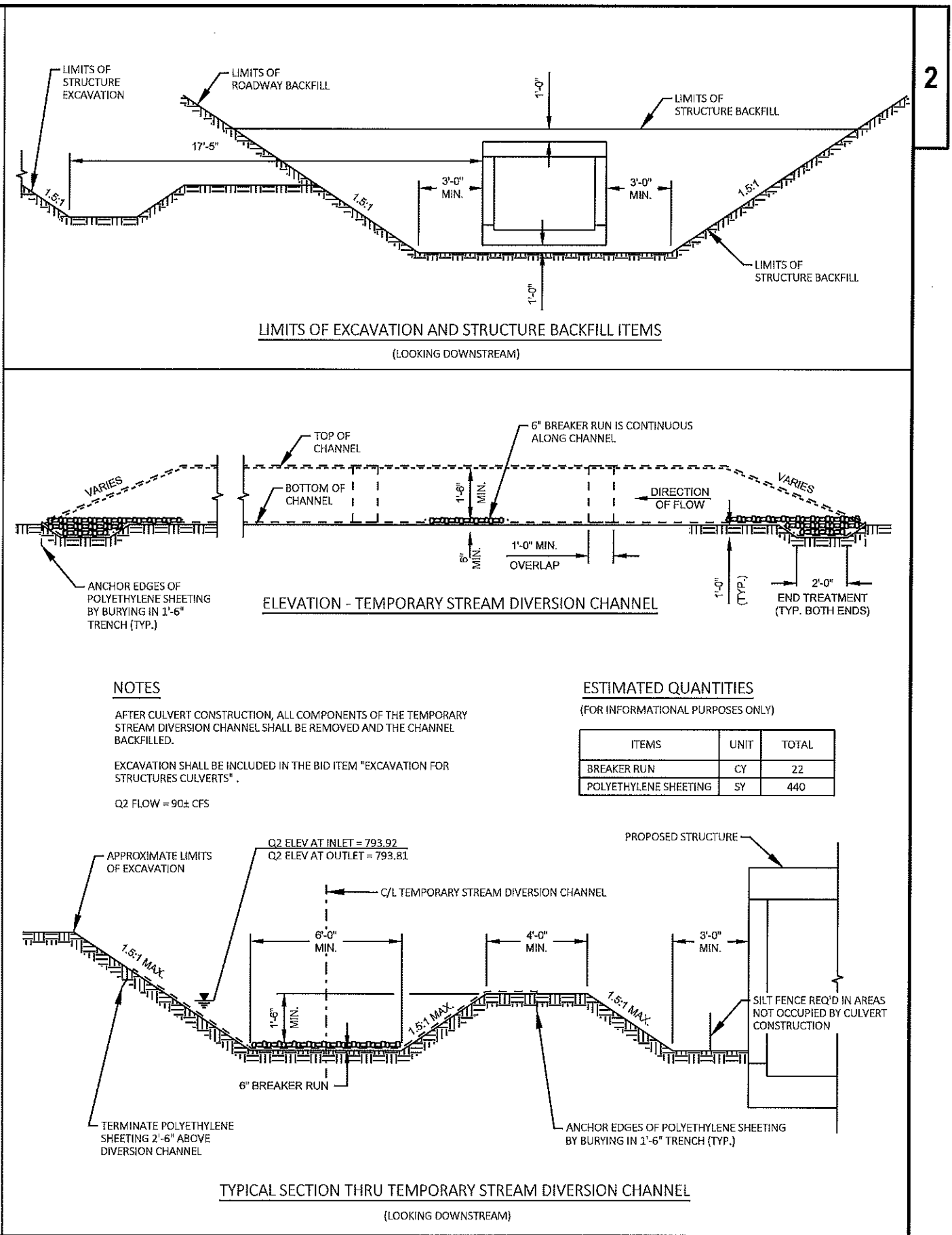
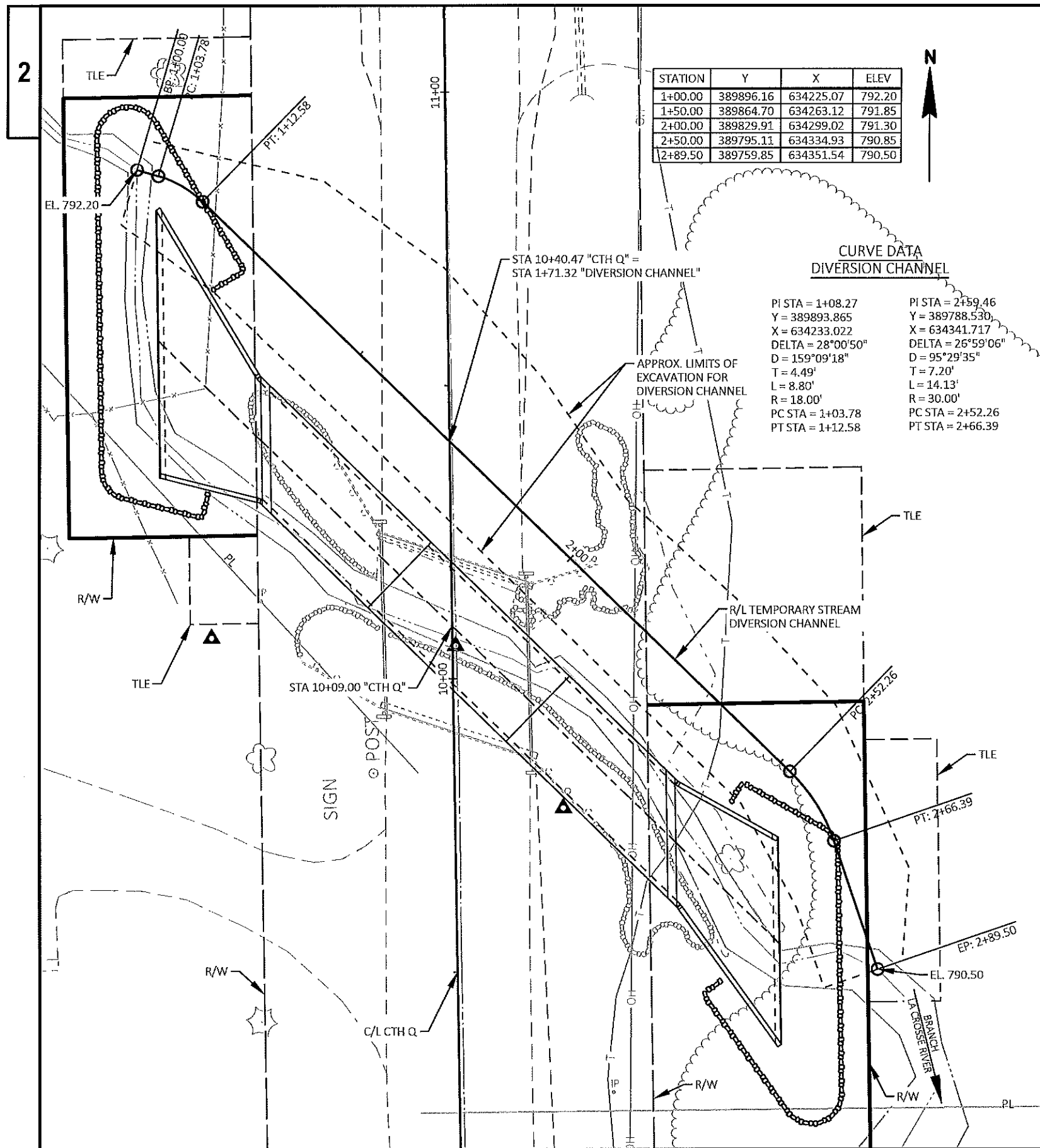
STA 9+00.00 TO STA 9+82.00
STA 10+18.00 TO STA 11+00.00



TYPICAL FINISHED SECTION

CTH Q

STA 9+00.00 TO STA 11+00.00



PROJECT NO: 5005-00-71

HWY: CTH Q

COUNTY: MONROE

TEMPORARY STREAM DIVERSION CHANNEL

SHEET

E

FILE NAME: I:\CLIENTS-MENOM\5714 MONROE COUNTY HIGHWAY DEPARTMENT\002 5005-00-00 CTH Q OVER BRANCH LA CROSSE RIVER\50050001\1 SHEETS\PLAN\021001_CD.DWG

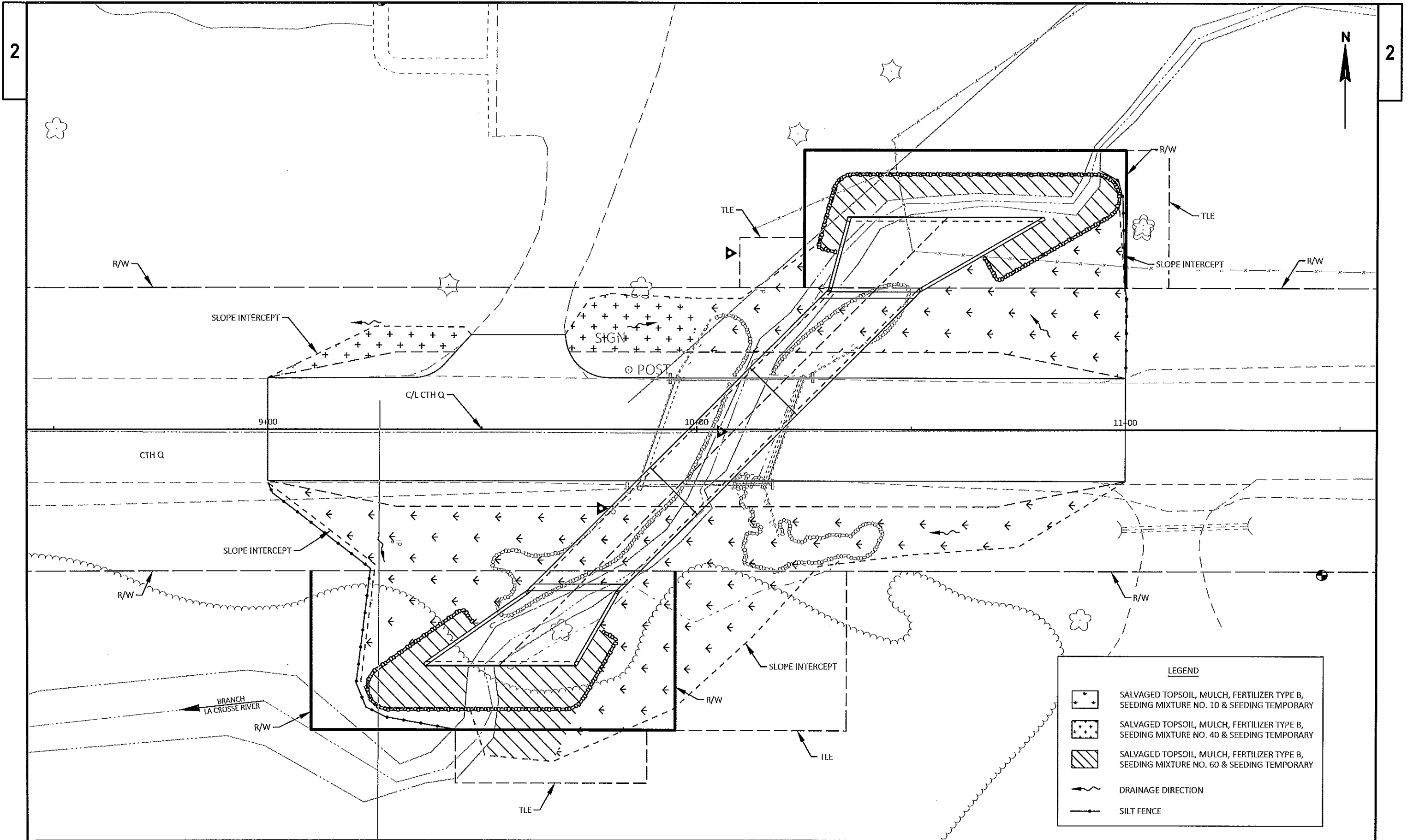
PLOT DATE: 6/22/2018 7:25 AM

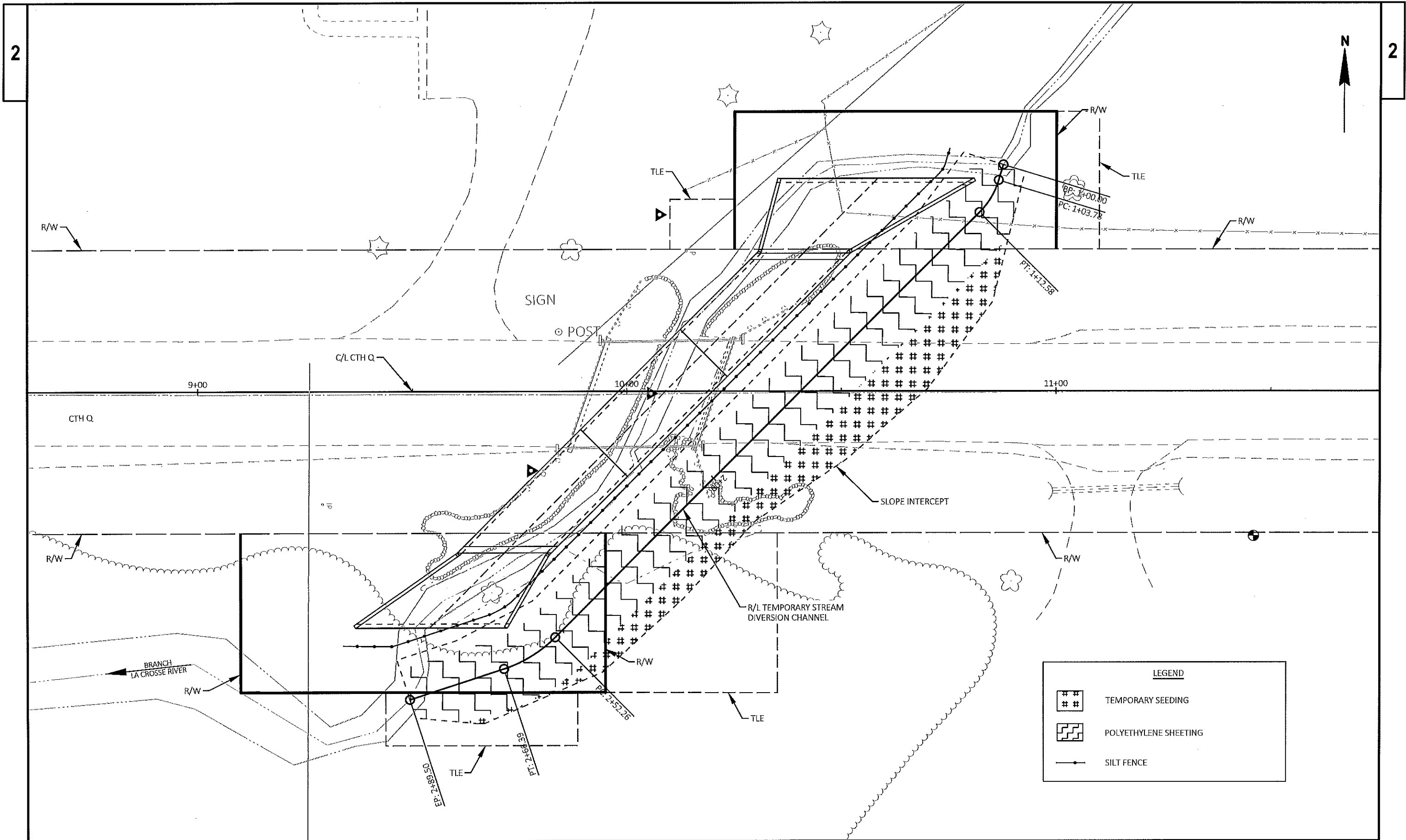
PLOT BY: BRIAN GENSLOW

PLOT NAME:

PLOT SCALE: 1 IN=20 FT

WISDOT/CADD SHEET 42





Estimate Of Quantities

5005-00-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	1.000	1.000
0004	201.0205	Grubbing	STA	1.000	1.000
0006	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. 10+00	LS	1.000	1.000
0008	205.0100	Excavation Common	CY	228.000	228.000
0010	206.2000	Excavation for Structures Culverts (structure) 01. C-41-139	LS	1.000	1.000
0012	210.2500	Backfill Structure Type B	TON	2,030.000	2,030.000
0014	213.0100	Finishing Roadway (project) 01. 5005-00-71	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	66.000	66.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	369.000	369.000
0020	311.0115	Breaker Run	CY	240.000	240.000
0022	455.0605	Tack Coat	GAL	28.000	28.000
0024	465.0105	Asphaltic Surface	TON	124.000	124.000
0026	504.0100	Concrete Masonry Culverts	CY	212.000	212.000
0028	505.0400	Bar Steel Reinforcement HS Structures	LB	32,560.000	32,560.000
0030	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	2,950.000	2,950.000
0032	516.0500	Rubberized Membrane Waterproofing	SY	32.000	32.000
0034	606.0300	Riprap Heavy	CY	100.000	100.000
0036	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5005-00-71	EACH	1.000	1.000
0038	619.1000	Mobilization	EACH	1.000	1.000
0040	624.0100	Water	MGAL	8.000	8.000
0042	625.0500	Salvaged Topsoil **P**	SY	906.000	906.000
0044	627.0200	Mulching **P**	SY	906.000	906.000
0046	628.1504	Silt Fence	LF	323.000	323.000
0048	628.1520	Silt Fence Maintenance	LF	323.000	323.000
0050	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0052	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0054	629.0210	Fertilizer Type B **P**	CWT	0.800	0.800
0056	630.0110	Seeding Mixture No. 10 **P**	LB	9.000	9.000
0058	630.0140	Seeding Mixture No. 40 **P**	LB	2.000	2.000
0060	630.0160	Seeding Mixture No. 60 **P**	LB	3.000	3.000
0062	630.0200	Seeding Temporary **P**	LB	28.000	28.000
0064	638.2602	Removing Signs Type II	EACH	4.000	4.000
0066	638.3000	Removing Small Sign Supports	EACH	4.000	4.000
0068	642.5001	Field Office Type B	EACH	1.000	1.000
0070	643.0420	Traffic Control Barricades Type III	DAY	1,386.000	1,386.000
0072	643.0705	Traffic Control Warning Lights Type A	DAY	2,002.000	2,002.000
0074	643.0900	Traffic Control Signs	DAY	1,078.000	1,078.000

Estimate Of Quantities

5005-00-71

Line	Item	Item Description	Unit	Total	Qty
0076	643.5000	Traffic Control	EACH	1.000	1.000
0078	645.0105	Geotextile Type C	SY	360.000	360.000
0080	645.0120	Geotextile Type HR	SY	190.000	190.000
0082	646.1020	Marking Line Epoxy 4-Inch	LF	50.000	50.000
0084	650.4500	Construction Staking Subgrade	LF	200.000	200.000
0086	650.5000	Construction Staking Base	LF	200.000	200.000
0088	650.6500	Construction Staking Structure Layout (structure) 01. C-41-0139	LS	1.000	1.000
0090	650.9910	Construction Staking Supplemental Control (project) 01. 5005-00-71	LS	1.000	1.000
0092	650.9920	Construction Staking Slope Stakes	LF	200.000	200.000
0094	690.0150	Sawing Asphalt	LF	66.000	66.000
0096	715.0502	Incentive Strength Concrete Structures	DOL	1,272.000	1,272.000
0098	SPV.0105	Special 01. Temporary Stream Diversion Channel Branch La Crosse River Culvert	LS	1.000	1.000

DIVISION	STATIONING	LOCATION	205.0100 COMMON EXCAVATION (CY)	SALVAGED / UNUSABLE PAVEMENT MATERIAL (1)	AVAILABLE MATERIAL (CY) (2)	UNEXPANDED FILL	EXPANDED FILL	MASS ORDINATE +/- (3)
			CUT				FACTOR 1.30	
1	9+00 - 10+00	SOUTH APPROACH	119	27	92	28	37	55
DIVISION 1 SUBTOTAL			119	27	92	28	37	55
2	10+00 - 11+00	NORTH APPROACH	109	27	82	68	89	-7
DIVISION 2 SUBTOTAL			109	27	82	68	89	-7
GRAND TOTAL			228	54	174	97	126	48
TOTAL COMMON EXCAVATION =			228					

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.

See page 30a for updated earthwork quantities.

CLEARING & GRUBBING			
STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
9+50 - 10+50	RT	1	1
ITEM TOTALS		1	1

FINISHING ROADWAY		
PROJECT	LOCATION	213.0100 EACH
5005-00-71	CTH Q	1
ITEM TOTAL		1

BASE AGGREGATE DENSE			
STATION - STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON
9+00 - 11+00	CTH Q	66	369
ITEM TOTAL		66	369

3

MAINTENANCE AND REPAIR OF HAUL ROADS

STATION -STATION	LOCATION	618.0100 EACH
CATEGORY 0030 5005-00-71	CTH Q	1
ITEM TOTALS		1

WATER

STATION -STATION	LOCATION	624.0100 MGAL	REMARKS
9+00 - 11+00	CTH Q	8	BASE COMPACTION DUST CONTROL
ITEM TOTALS		8	

3

ASPHALTIC SURFACE

STATION	LOCATION	455.0605* TACK COAT GAL	465.0105 TON
9+00 - 11+00	CTH Q	28	124
ITEM TOTAL		28	124

* APPLICATION RATE = 0.050 GAL/SY

MOBILIZATIONS

PROJECT	619.1000 MOBILIZATION EACH	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
CATEGORY 0010 5005-00-71	1	2	2
ITEM TOTALS		2	2

SALVAGED TOPSOIL, MULCHING, FERTILIZER, AND SEEDING

STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY **P**	627.0200 MULCHING SY **P**	629.0210 FERTILIZER TYPE B CWT **P**	630.0110 SEEDING MIXTURE NO. 10 LB **P**	630.0140 SEEDING MIXTURE NO. 40 LB **P**	630.0160 SEEDING MIXTURE NO. 60 LB **P**	630.0200 SEEDING TEMPORARY LB **P**	REMARKS
9+00 - 11+00	RT	488	488	0.3	6	--	1	13	
9+00 - 9+44	LT	24	24	0.1	--	1	--	1	
9+23 - 9+81	RT	64	64	0.1	--	--	1	2	ON RIPRAP
9+69 - 11+00	LT	263	263	0.2	3	1	--	7	
10+28 - 10+96	LT	67	67	0.1	--	--	1	2	ON RIPRAP
1+13 - 2+79	LT	--	--	--	--	--	--	3	DIVERSION CHANNEL
ITEM TOTAL		906	906	0.8	9	2	3	28	

P Pay Plan Quantity

3

EROSION CONTROL ITEMS

STATION	LOCATION	628.1504	628.1520	REMARKS
		SILT FENCE LF	SILT FENCE MAINTENANCE LF	
9+00 - 9+40	RT	83	83	DIVERSION CHANNEL
10+94 - 11+00	LT	51	51	
1+00 - 2+89	RT	189	189	
ITEM TOTALS		323	323	

SIGNING QUANTITIES

LOCATION	638.2602	638.3000
	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH
NW BRIDGE CORNER	1	1
SW BRIDGE CORNER	1	1
NE BRIDGE CORNER	1	1
SE BRIDGE CORNER	1	1
ITEM TOTAL		4

3

TRAFFIC CONTROL

STATION - STATION	643.5000	643.0420	643.0705	643.0900
	TRAFFIC CONTROL EACH	BARRICADES TYPE III DAYS	WARNING LIGHTS TYPE A DAYS	SIGNS DAYS
CTH Q	1	1386	2002	1078
ITEM TOTAL		1	1386	2002

FIELD OFFICE

PROJECT	642.5001 TYPE B EACH
5005-00-71	1
ITEM TOTAL	1

SAWING

STATION	LOCATION	690.0150 ASPHALT LF
9+00	RT/LT	22
9+47 - 9+69	LT	22
11+00	RT/LT	22
ITEM TOTAL		66

MARKING LINE

STATION - STATION	LOCATION	646.1020	REMARKS
		EPOXY 4-INCH LF	
9+00 - 11+00	CENTERLINE	50	YELLOW SKIPS
ITEM TOTALS		50	

CONSTRUCTION STAKING

STATION - STATION	650.4500	650.5000	650.6500	650.9910	650.9920
	SUBGRADE LF	BASE LF	STRUCTURE LAYOUT (C-41-0139) LS	SUPPLEMENTAL CONTROL LS	SLOPE STAKES LF
9+00 - 11+00	200	200	1	--	200
PROJECT 5005-00-71	--	--	--	1	--
ITEM TOTAL		200	200	1	200

CONVENTIONAL SYMBOLS	
FOUND IRON PIPE/PIN	IP (1" UNLESS NOTED)
R/W MONUMENT	○ (SET)
R/W STANDARD	△ (SET)
SIGN	I SIGN
SECTION CORNER MONUMENT	⊙
SECTION CORNER SYMBOL	⊙
FEE (HATCH VARIES)	1/2" / 1/4" / 1/8"
TEMPORARY LIMITED EASEMENT	1/2" / 1/4" / 1/8"
PERMANENT LIMITED EASEMENT	1/2" / 1/4" / 1/8"
R/W BOUNDARY POINT	RWB20
PARCEL NUMBER	102
UTILITY INTEREST	40
SIGN NUMBER (OFF PREMISE)	21-1
BUILDING	
PROPOSED R/W LINE	---
EXISTING H.E. LINE	---
PROPERTY LINE	---
LOT & TIE LINES	---
SLOPE INTERCEPTS	---
CORPORATE LIMITS	---
NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	---
ACCESS RESTRICTED (BY ACQUISITION)	---
NO ACCESS (BY STATUTORY AUTHORITY)	---
SECTION LINE	---
QUARTER LINE	---
SIXTEENTH LINE	---
EXISTING CENTERLINE	---
PROPOSED REFERENCE LINE	---
PARALLEL OFFSET	---

CONVENTIONAL UTILITY SYMBOLS	
WATER	W
GAS	G
TELEPHONE	T
OVERHEAD	OH
TRANSMISSION LINES	E
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
NON COMPENSABLE	NON
COMPENSABLE	COMPENSABLE
POWER POLE	⊕
TELEPHONE POLE	⊕
TELEPHONE PEDESTAL	⊕
ELECTRIC TOWER	⊕

CONVENTIONAL ABBREVIATIONS	
ACCESS POINT/ DRIVEWAY CONNECTION	AP
ACCESS RIGHTS	AR
ACRES	AC.
AND OTHERS	ET.AL.
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CORNER	COR.
DOCUMENT	DOC.
EASEMENT	EASE.
HIGHWAY EASEMENT	H.E.
LAND CONTRACT	LC
MONUMENT	MON.
PAGE	P.
PERMANENT LIMITED EASEMENT	PLE
PROPERTY LINE	PL
RECORDED AS	(100')
REFERENCE LINE	R/L
RELEASE OF RIGHTS	ROR
REMAINING	REM.
RIGHT-OF-WAY	R/W
SECTION	SEC.
SECTION LINE	S/L
STATION	STA.
TEMPORARY LIMITED EASEMENT	TLE
VOLUME	V.
LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CURVE DATA

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MONROE COUNTY, NAD83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO COMPLETION OF THE PROJECT.

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

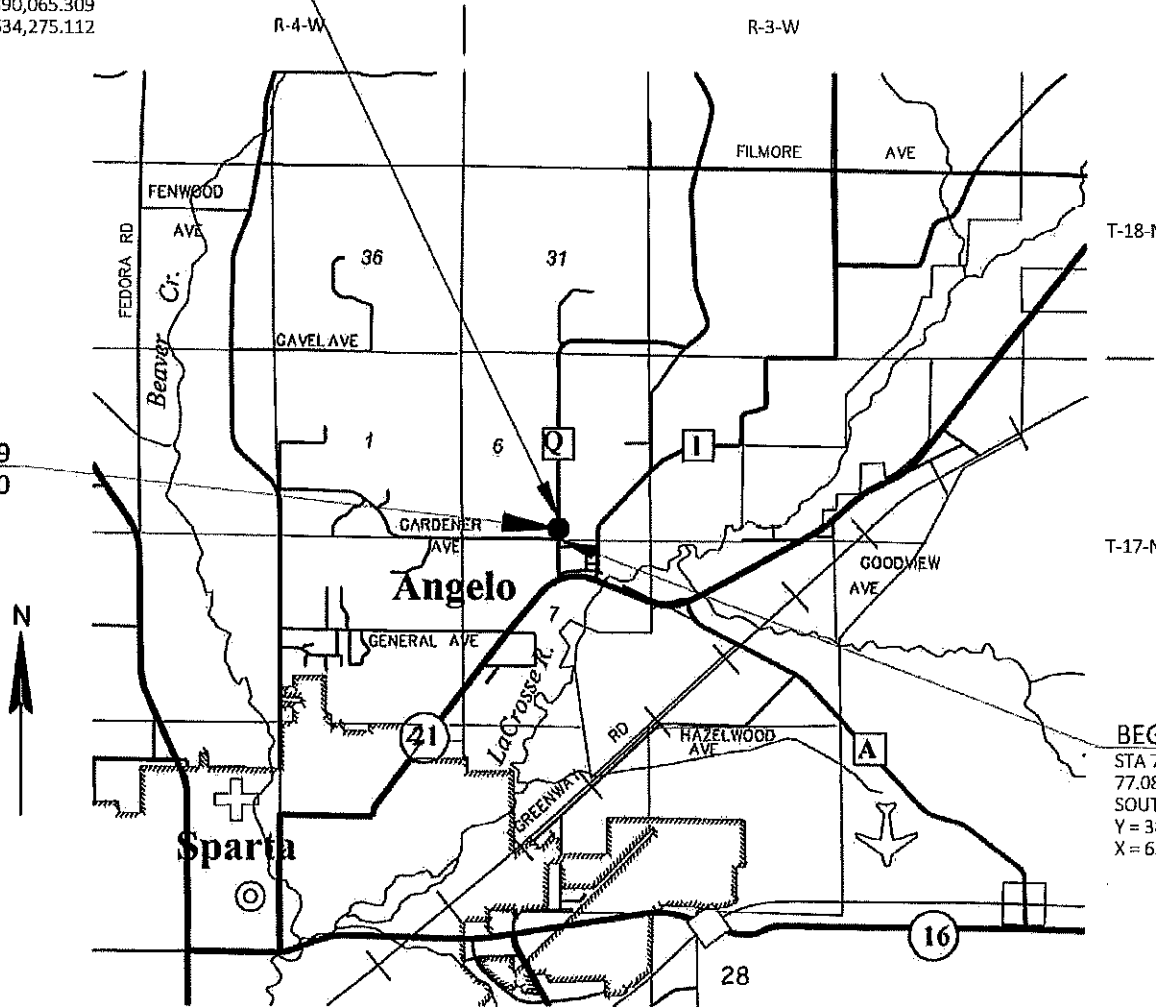
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

END RELOCATION ORDER

STA 12+55.93
2221.07' SOUTH AND 3.83' EAST OF
CENTER CORNER SEC. 6, T17N, R3W
Y = 390,065.309
X = 634,275.112

STRUCTURE C-41-0139
STA 10+00.00



LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.096 MI

CAUTION
THIS PLAT IS FOR ILLUSTRATIVE PURPOSES
ONLY. DEEDS MUST BE CHECKED TO DETERMINE
PROPERTY BOUNDARIES.

R/W PROJECT NUMBER 5005-00-01	SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 5005-00-72	4.01	2
PLAT OF RIGHT OF WAY REQUIRED FOR STH 21 - CTH B BRANCH LA CROSSE RIVER BRIDGE C-41-0139 CTH 0 MONROE COUNTY		

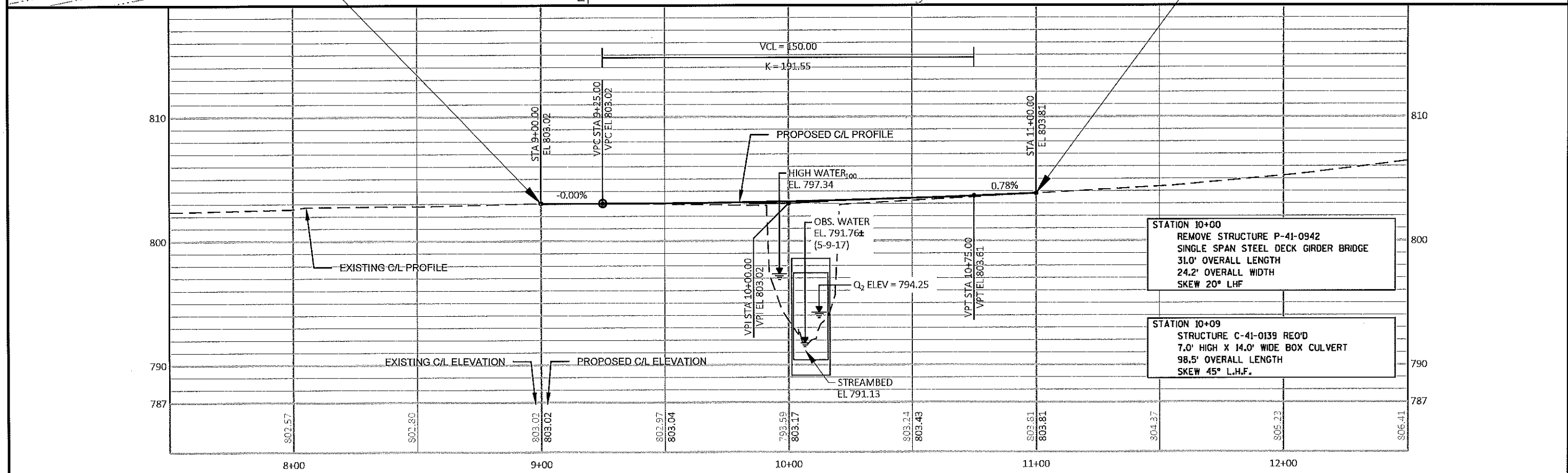
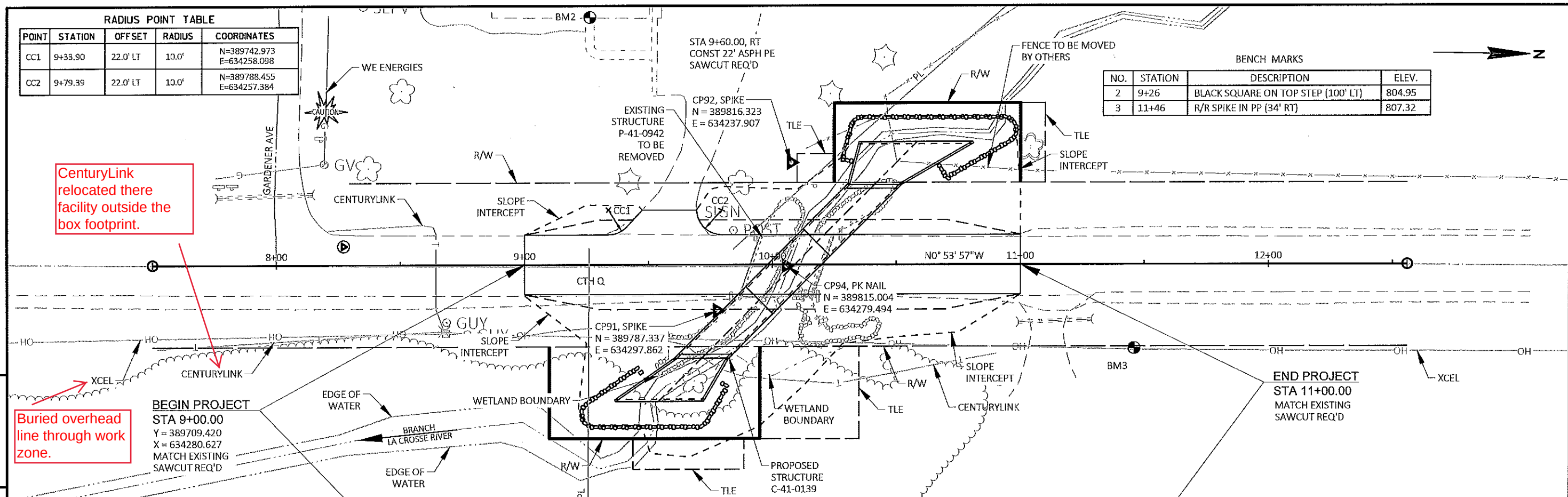
ACCEPTED FOR
COUNTY of MONROE
04/04/18
[Signature]
[Signature & Title of Official]
[Signature]
[Signature]

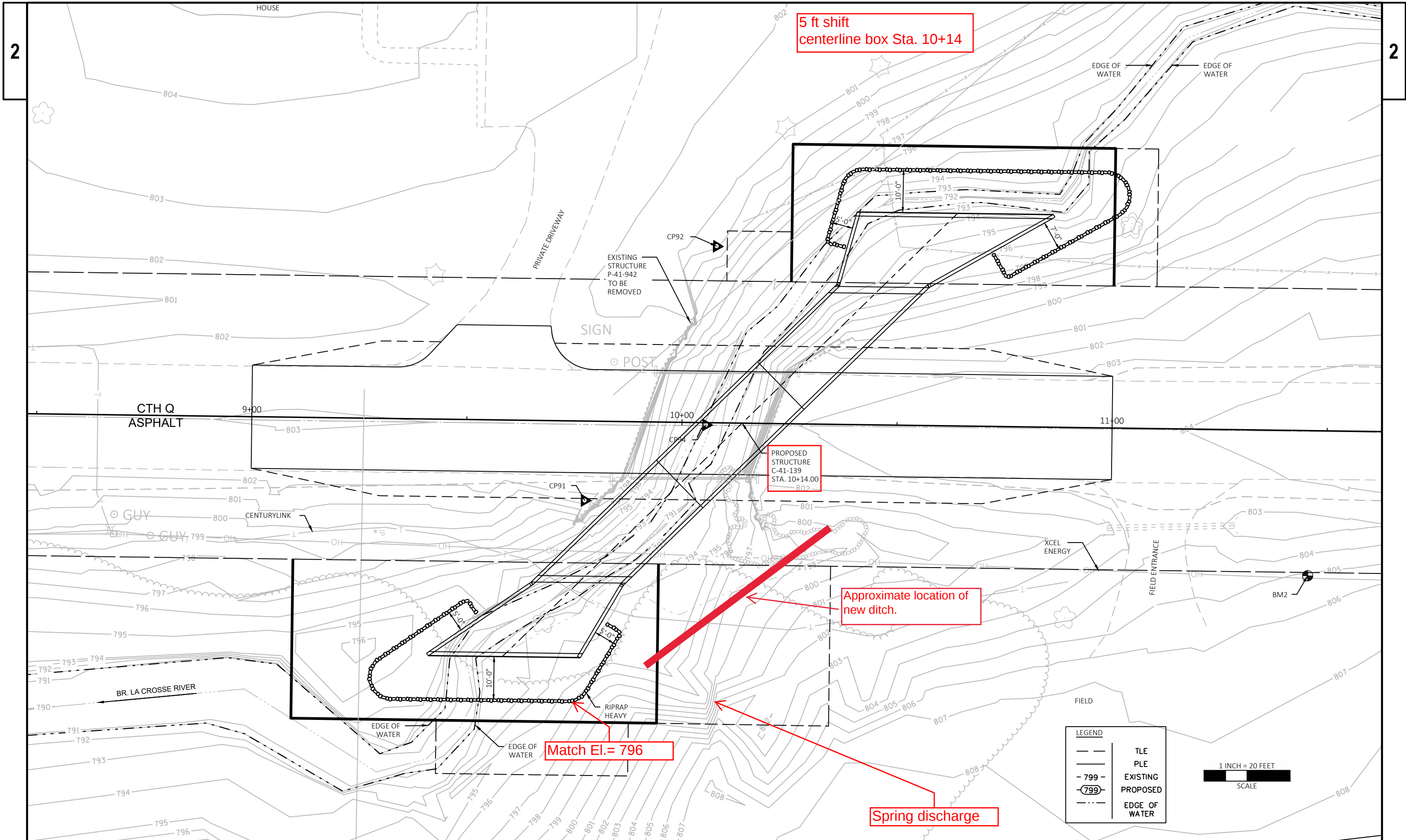
ORIGINAL PLANS PREPARED BY
Cedar
corporation
CEDARBURG - GREEN BAY - MADISON - MENOMONIE
www.cedarcorp.com
800-472-7372



THIS SURVEY IS PREPARED AT THE REQUEST OF THE COUNTY. THE FIELD SURVEY WAS PERFORMED IN JUNE 2017. THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

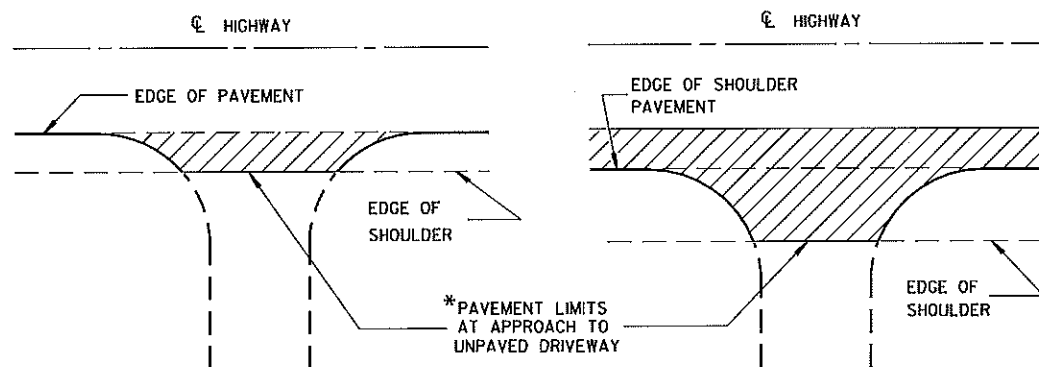
03-27-18
[Date]
[Signature]
[Signature]
[Signature]





Standard Detail Drawing List

08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E09-06	SILT FENCE
12A03-10	NAME PLATE (STRUCTURES)
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)

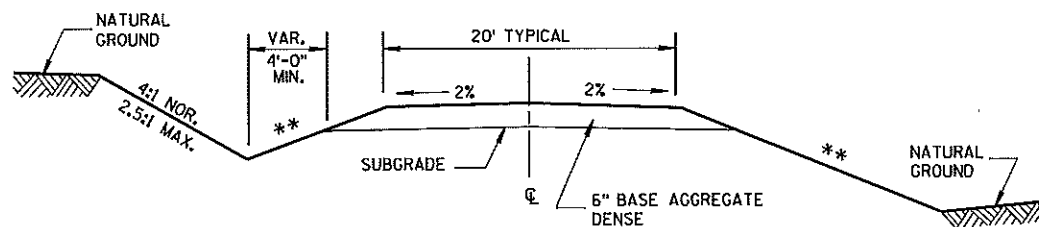


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB & GUTTER OR SIDEWALK)



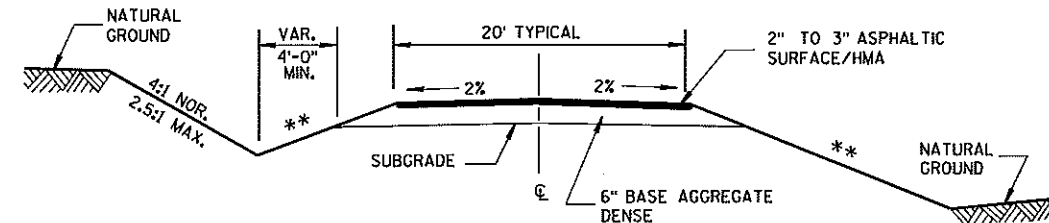
IN CUT

IN FILL

**TYPICAL CROSS SECTION FOR
PRIVATE DRIVE OR FIELD ENTRANCE
AGGREGATE SURFACE**

** SLOPE CAN VARY WITH SPEED. SEE 11-45-2.6.2.

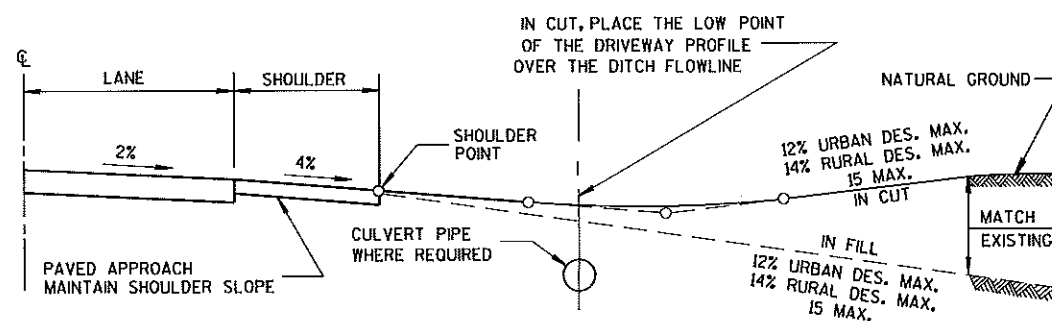
POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥35 TO <60	6:1
≥60	10:1



IN CUT

IN FILL

**TYPICAL CROSS SECTION FOR
PRIVATE DRIVE OR FIELD ENTRANCE
ASPHALTIC SURFACE**

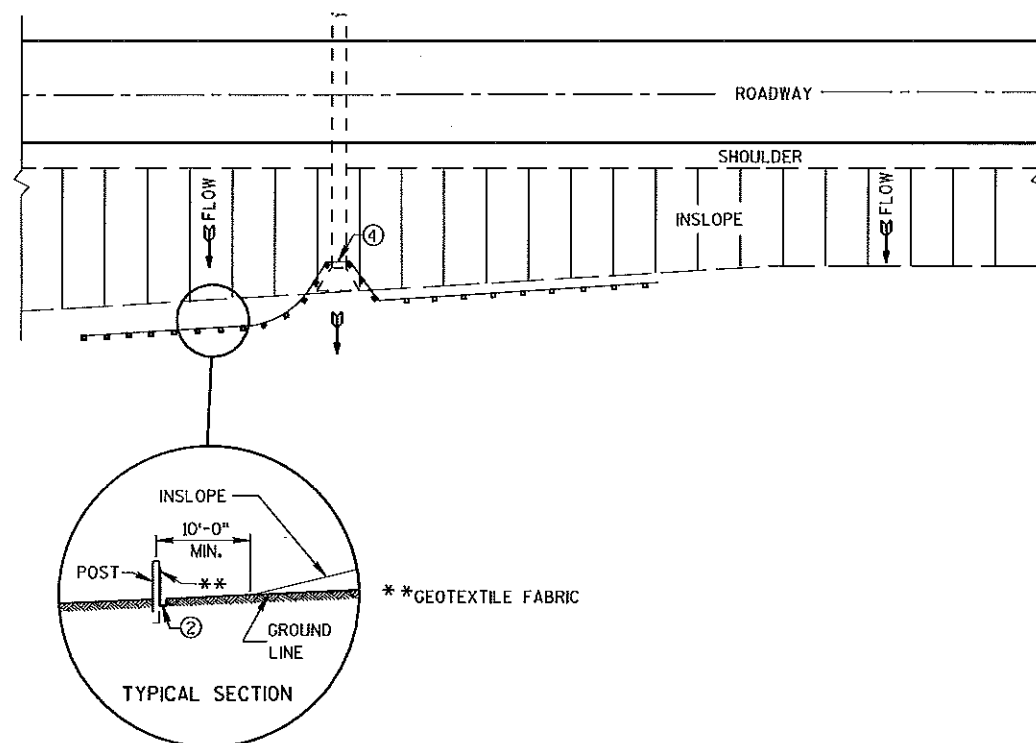


TYPICAL DRIVEWAY PROFILES

**DRIVEWAYS
WITHOUT CURB & GUTTER**

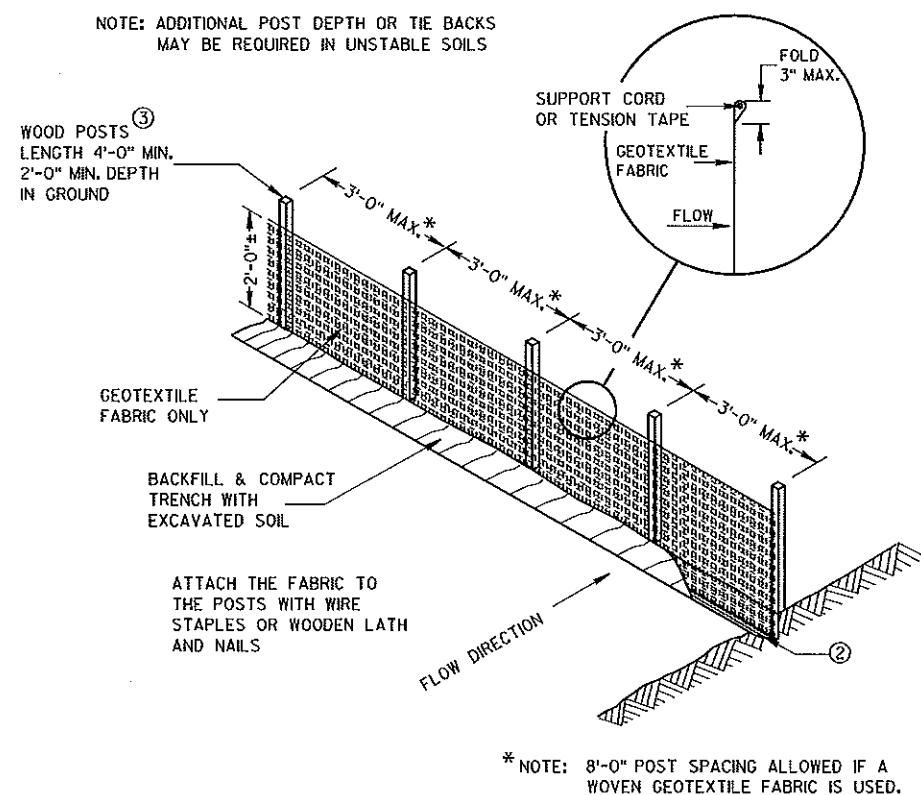
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERV 16 ENT
FHWA



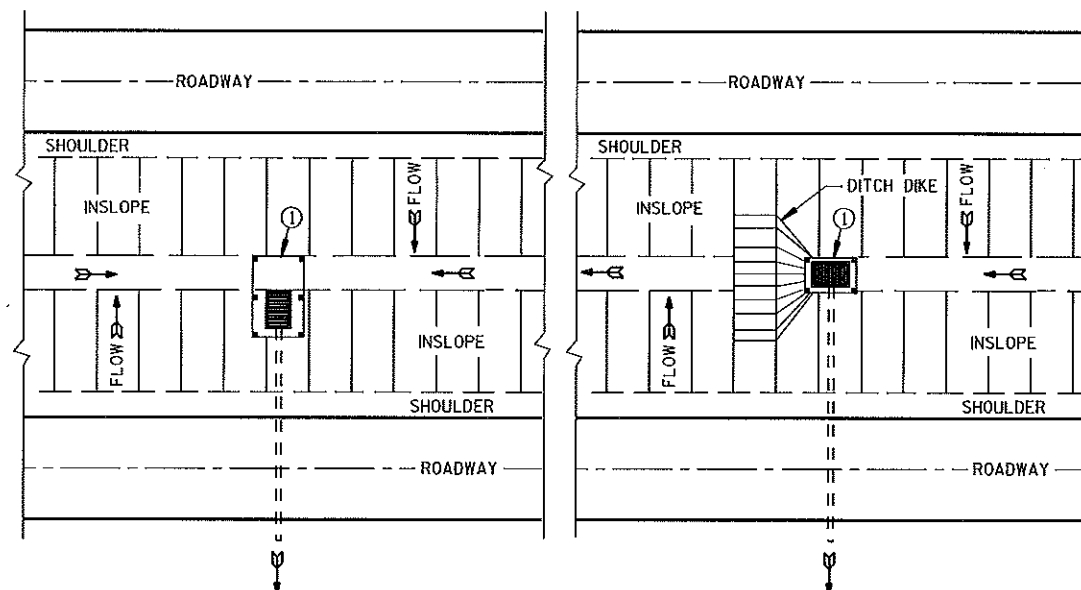
PLAN VIEW
TYPICAL APPLICATION OF SILT FENCE

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS
MAY BE REQUIRED IN UNSTABLE SOILS

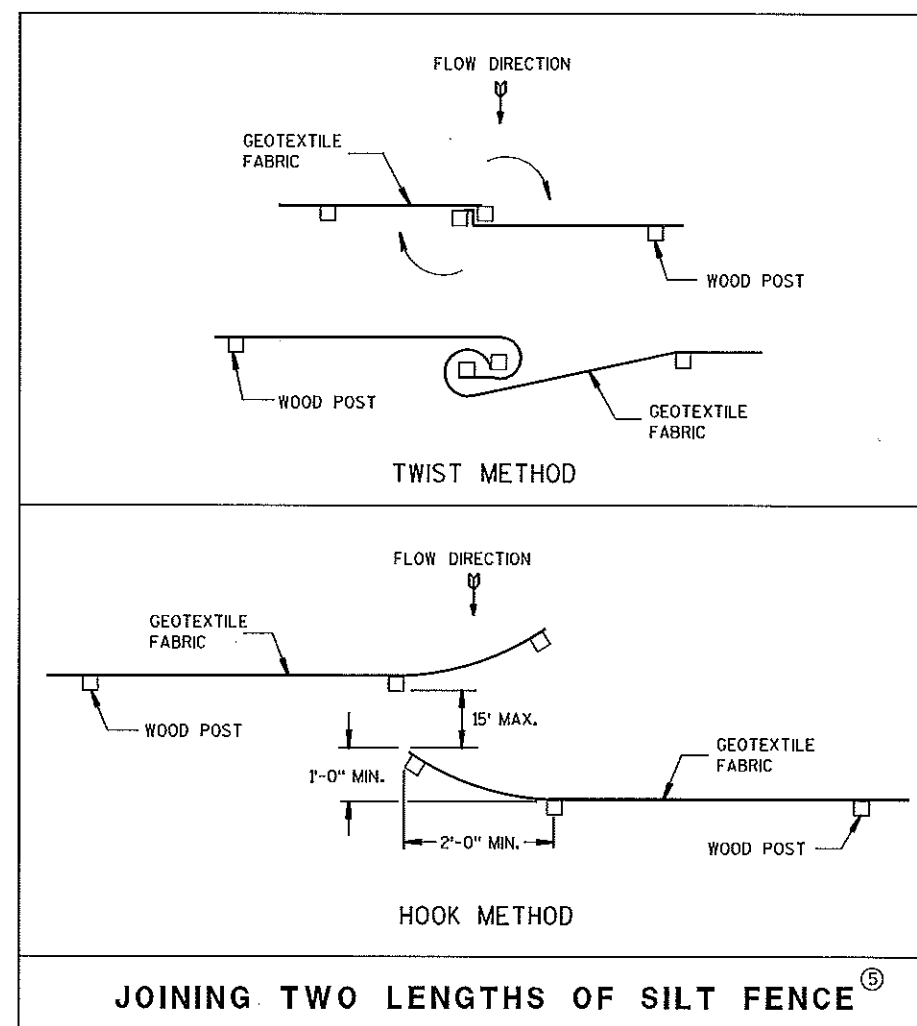


* NOTE: 8'-0" POST SPACING ALLOWED IF A
WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE



SITUATION 1
SITUATION 2
PLAN VIEW
SILT FENCE AT MEDIAN SURFACE DRAINS

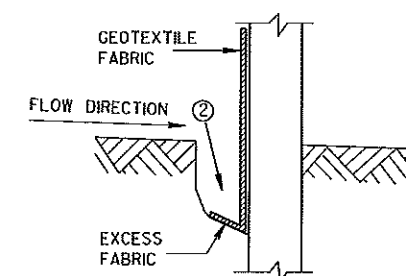


JOINING TWO LENGTHS OF SILT FENCE^⑤

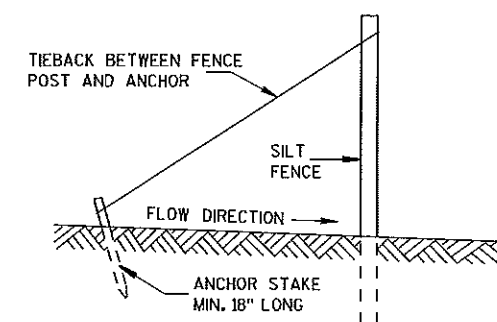
GENERAL NOTES

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

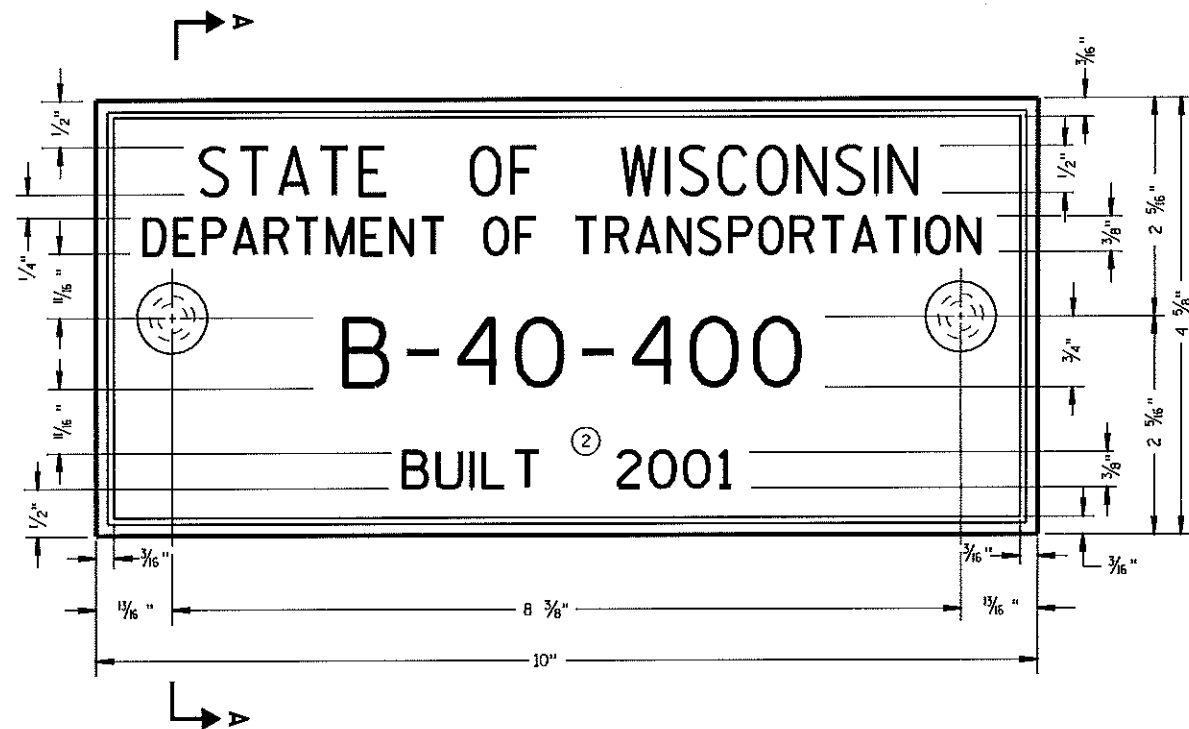
DATE

FHWA

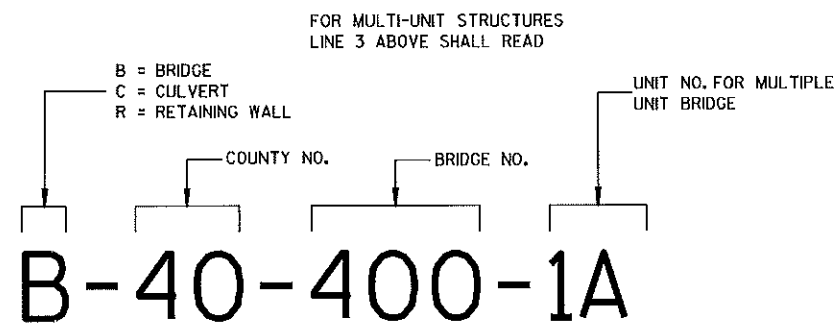
/s/ Beth Connors
CHIEF ROADWAY DEVELOPER

17

INCHER



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



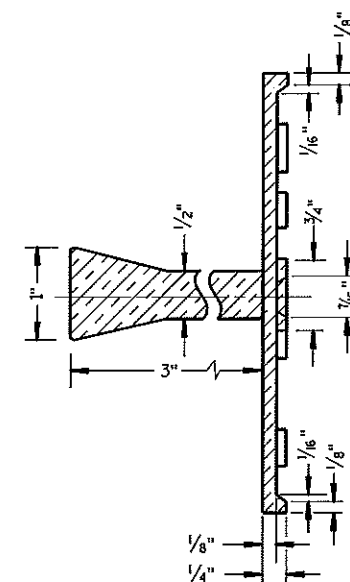
**NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES**

GENERAL NOTES

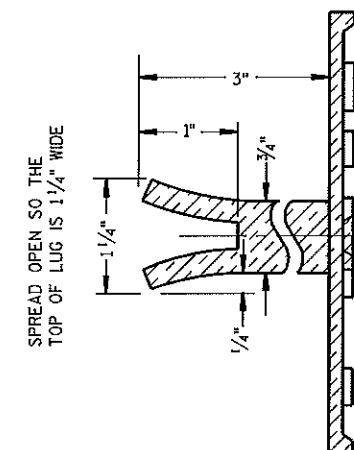
NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

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.

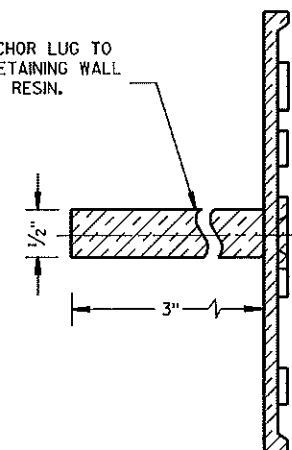


SECTION A-A



ALTERNATE LUG

- ① ADHERE ANCHOR LUG TO PRECAST RETAINING WALL WITH EPOXY RESIN.



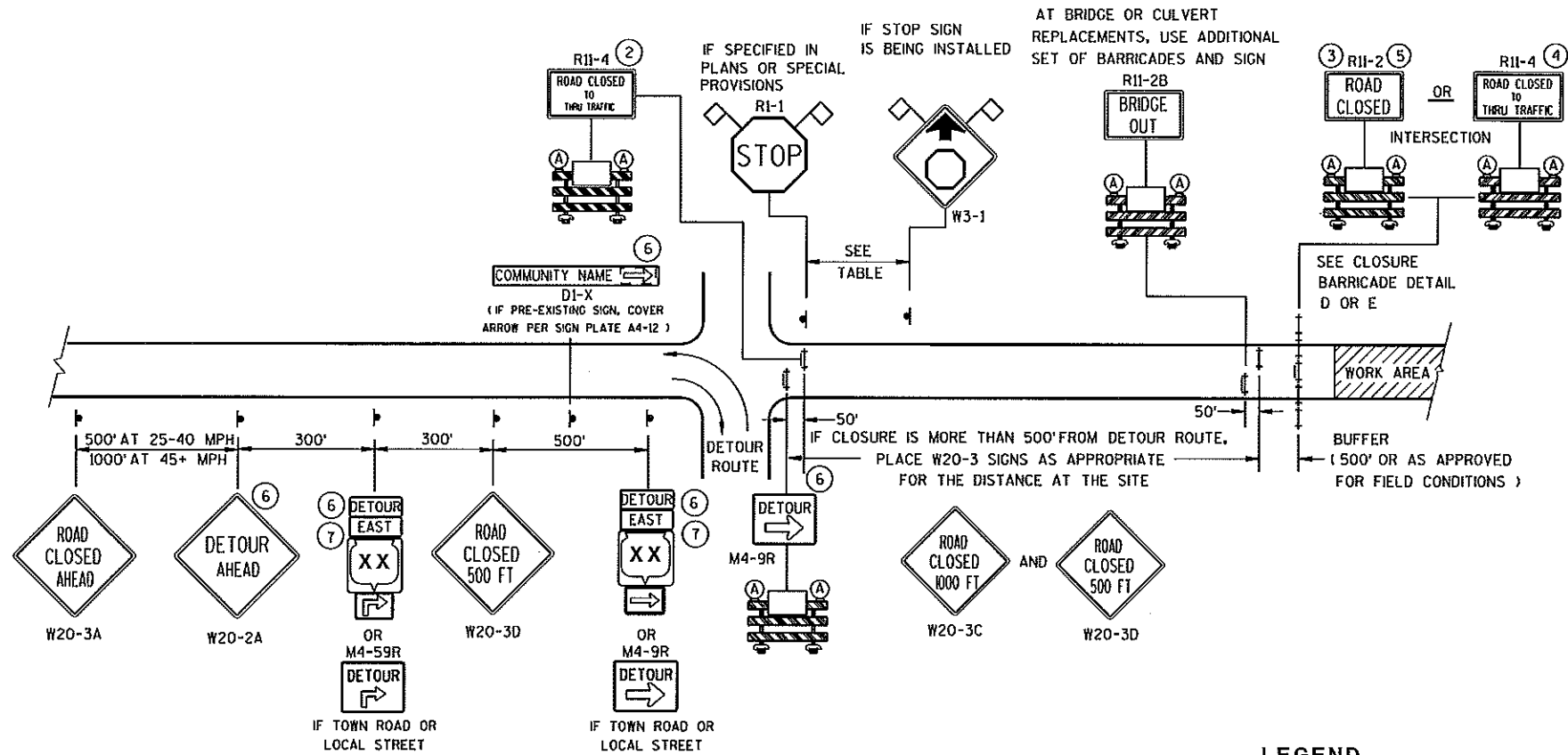
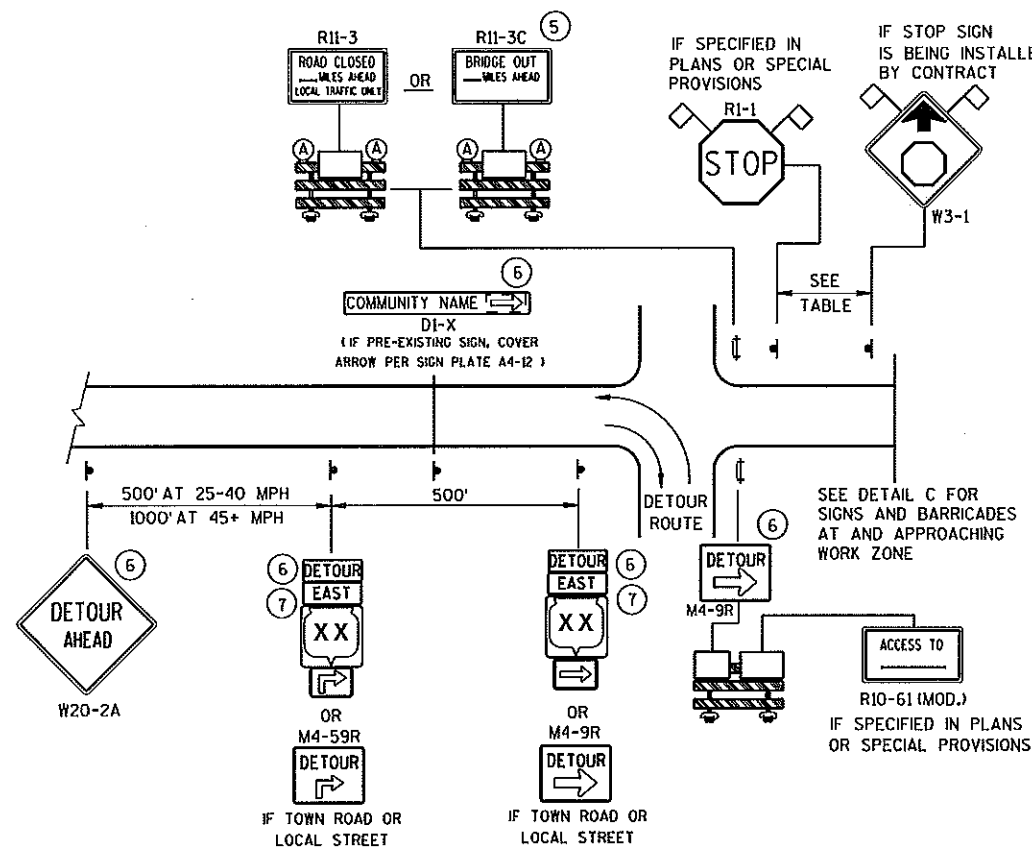
ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

**NAME PLATE
(STRUCTURES)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 /S/ Scot Beck
DATE CHIEF STRUCTURAL DEVELOPER 18 IEER
FHWA



LEGEND

- SIGN ON PERMANENT SUPPORT
- ⊥ TYPE III BARRICADE
- ⊥ TYPE III BARRICADE WITH ATTACHED SIGN
- Ⓐ TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

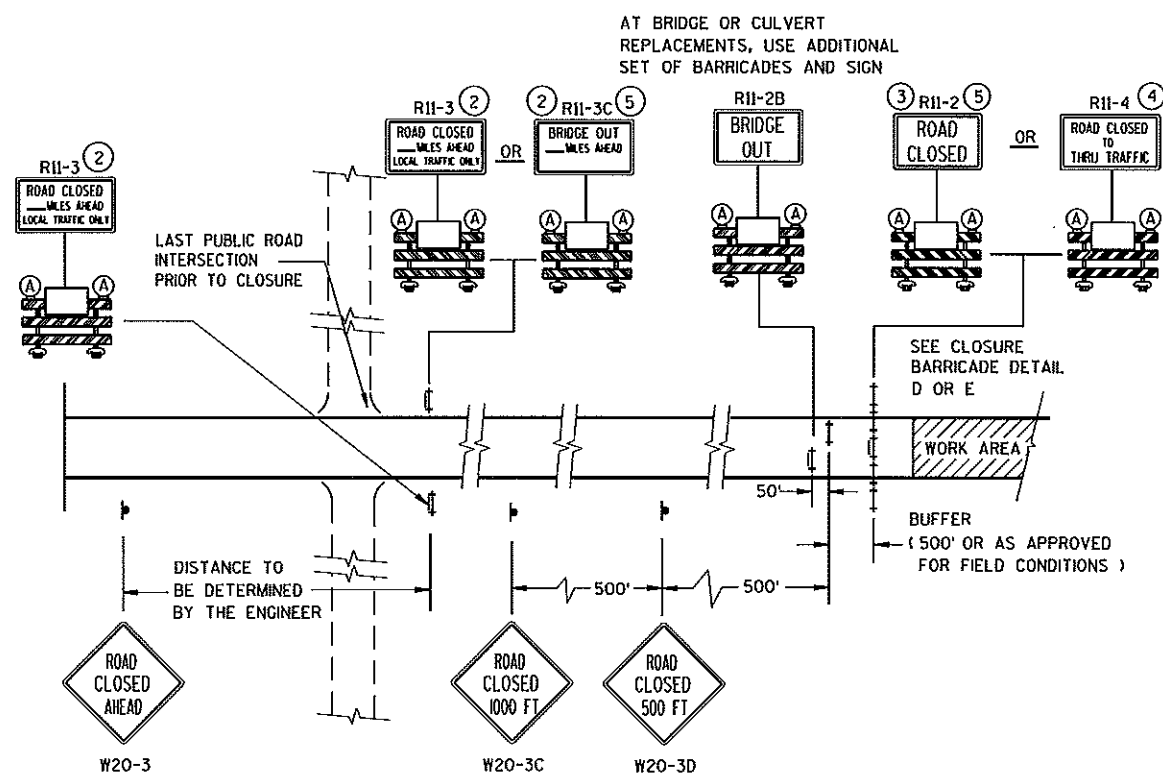
DETOUR M4-8
EAST M3-X

MI-4 OR MI-5A OR MI-6

M05-1 OR M06-1

◇ ◇ FLAGS, 16" X 16" MIN., (ORANGE)

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

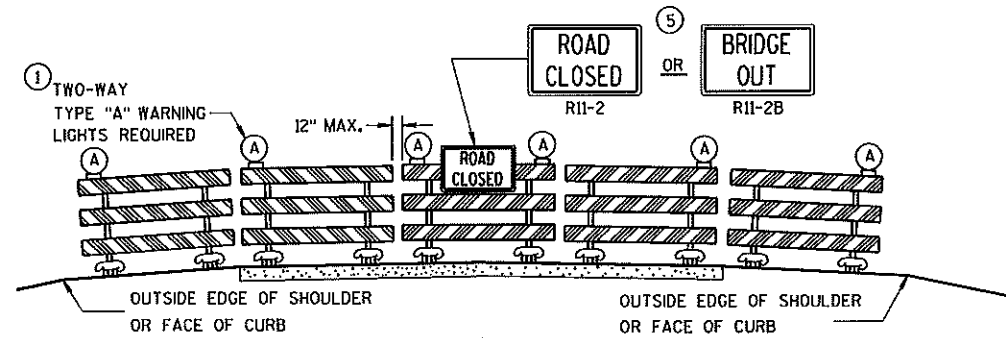


SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

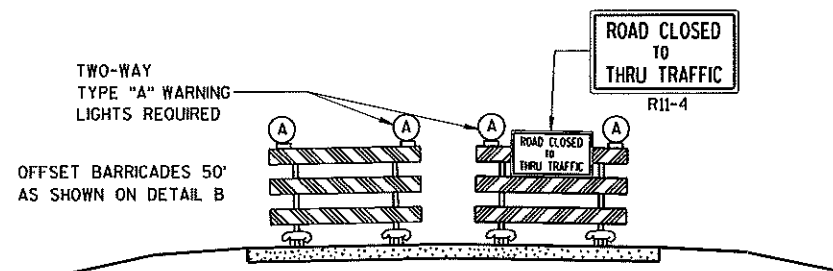
BARRICADES AND SIGNS
FOR
MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZO 19
FHWA SAFETY 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:

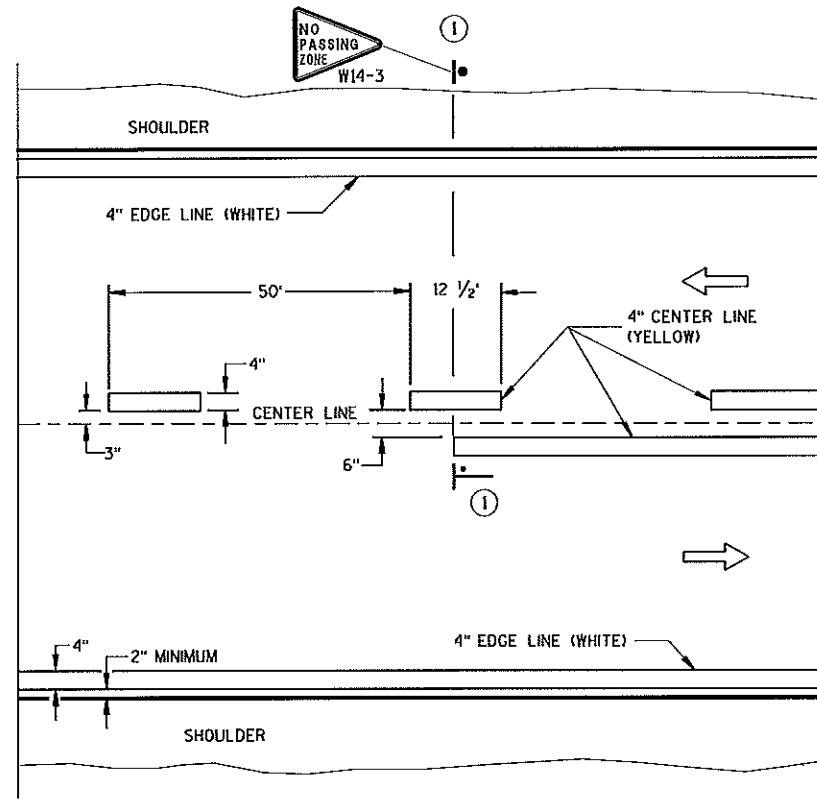
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" 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.

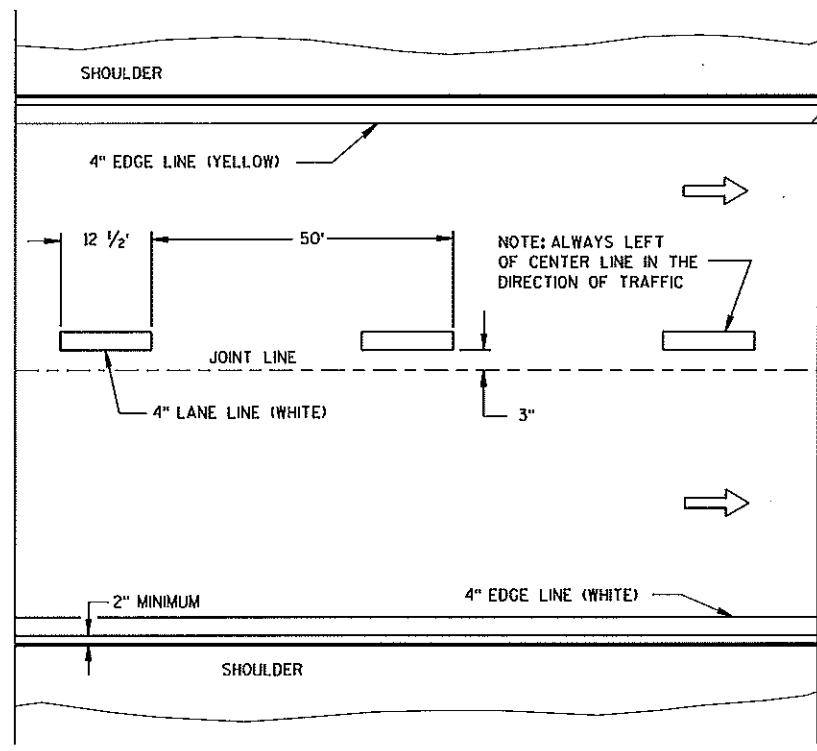
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 /S/ Peter Amokobe Atepa
DATE STATEWIDE WORK ZONE SAFETY ENGINEER



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

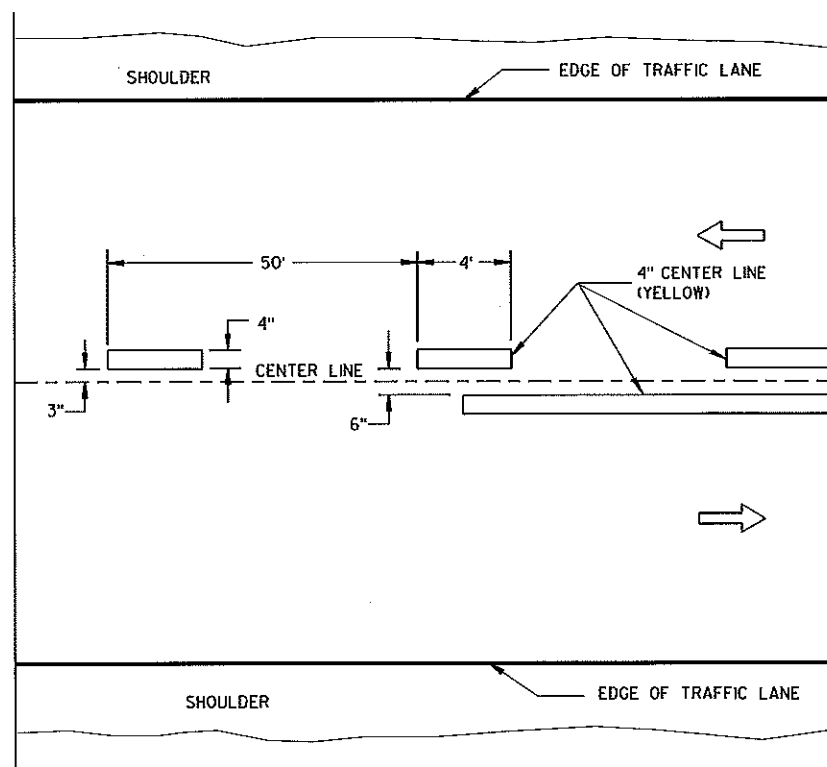
NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

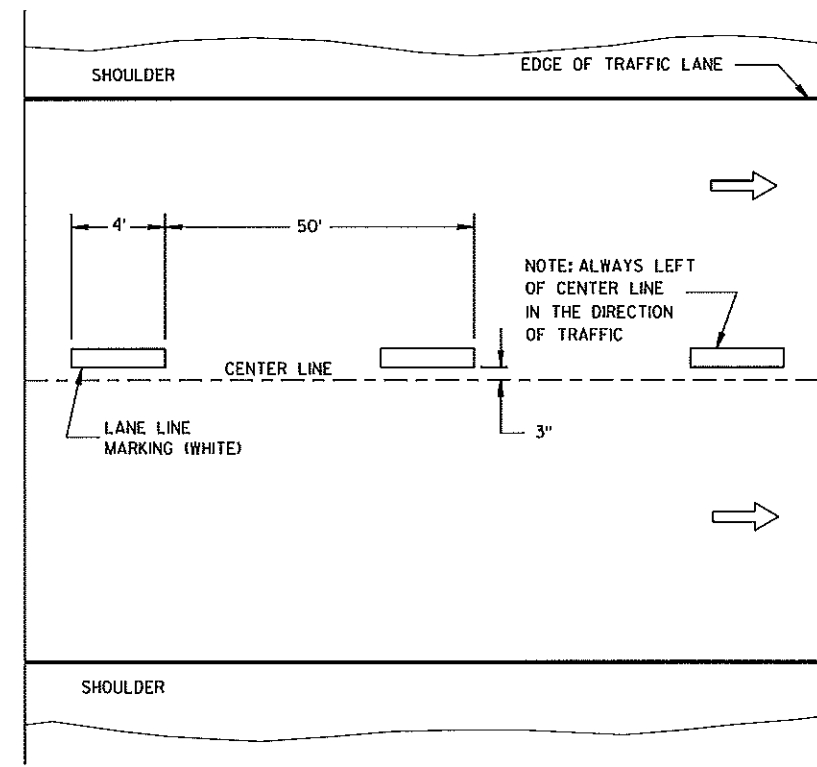
LEGEND

— "T" MARKING

● POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

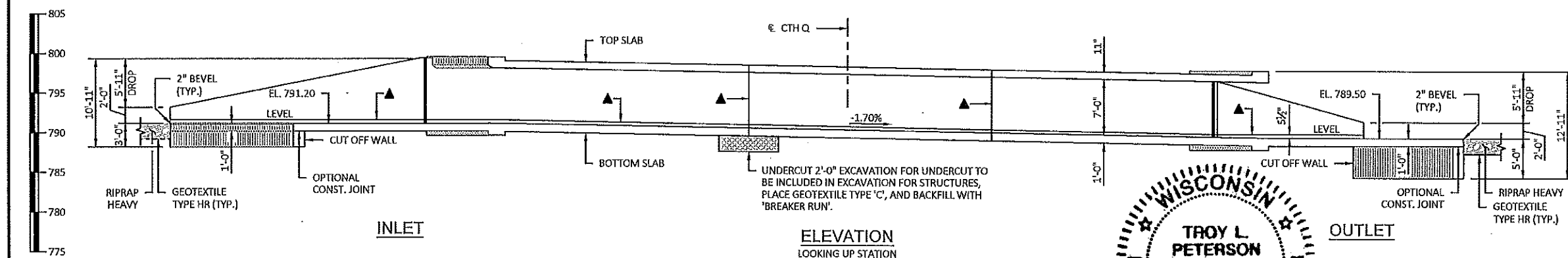
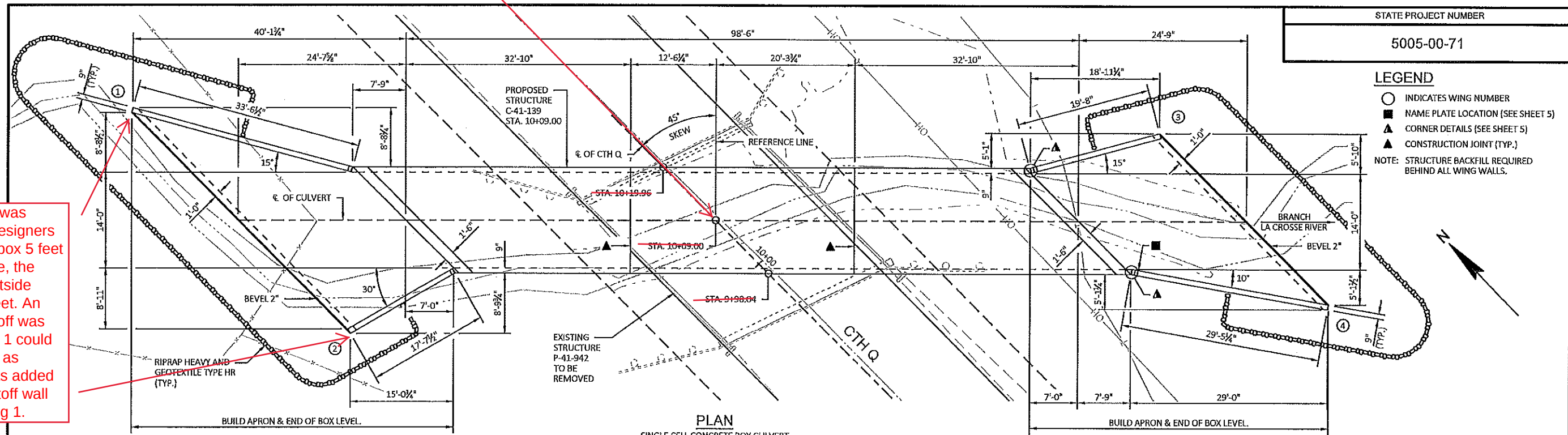
LONGITUDINAL MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew R. Rouch
DATE STATE SIGNING AND MAR 21 INEER
FHWA

The whole box culvert was shifted 5 feet up station. The new center of box station is 10+14.

The inlet cutoff wall was poured before the designers decided to shift the box 5 feet up station. Therefore, the cutoff wall hangs outside wing 2 by about 5 feet. An extension to the cutoff was constructed so wing 1 could sit on the cutoff wall as designed. Rebar was added and drilled in the cutoff wall extension under wing 1.



DESIGN DATA

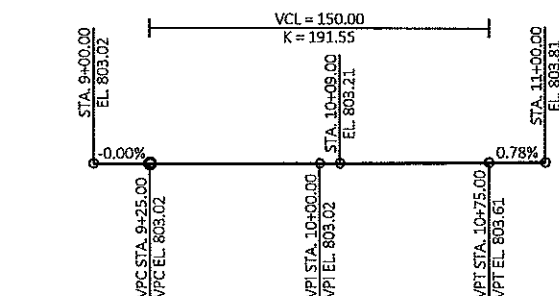
LIVE LOAD:	
DESIGN LOADING	HL-93
INVENTORY RATING FACTOR	RF = 1.05
OPERATING RATING FACTOR	RF = 1.35
WIS-SPV	255 KIPS
EARTH LOAD:	
DESIGNED FOR 5 FEET OF FILL	
MATERIAL PROPERTIES:	
CONCRETE MASONRY	$f'c=3,500$ P.S.I.
HIGH STRENGTH BAR STEEL	
REINFORCEMENT, GRADE 60	$f_y=60,000$ P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY	
Q_{100}	470 C.F.S.
VEL.	10.26 F.P.S.
HW_{100}	EL. 797.34
WATERWAY AREA	45.81 SQ. FT.
DRAINAGE AREA	1.5 SQ. MI.
ROADWAY OVERTOPPING	N/A
SCOUR CRITICAL CODE	8
2 YEAR FREQUENCY	
Q_2 TOTAL	90 C.F.S.
VEL.	3.76 F.P.S.
HW_2	EL. 794.25

TRAFFIC VOLUME

CTH Q:	
A.A.D.T. (2019)	560
A.A.D.T. (2039)	590
DESIGN SPEED	50 M.P.H.



TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS:	TOTAL	UNIT
203.0600.S	REMOVING OLD STRUCTURE WITH MINIMUM DEBRIS STA 10+00	1	LS
205.2000	EXCAVATION FOR STRUCTURES CULVERTS C-41-139	1	LS
210.2500	BACKFILL STRUCTURE TYPE B	2030	TON
311.0115	BREAKER RUN	240	CY
504.0100	CONCRETE MASONRY CULVERTS	212	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	32560	LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	2950	LB
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	32	SY
606.0300	RIPRAP HEAVY	100	CY
645.0105	GEOTEXTILE TYPE C	360	SY
645.0120	GEOTEXTILE TYPE HR	190	SY
NON-BID ITEMS:			
FILLER		3/4"	SIZE

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 EXISTING STRUCTURE (P-41-942) IS A 27.0' LONG SINGLE SPAN CONCRETE DECK GIRDER BRIDGE WITH TIMBER ABUTMENTS, TO BE REMOVED.
- THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-41-139" SHALL BE THE EXISTING GROUND LINE.
- THE CONCRETE IN THE CUTOFF WALL MAY BE PLACED UNDER WATER IF THE EXCAVATION CANNOT BE DE-WATERED.
- 18" MINIMUM WIDTH RUBBERIZED MEMBRANE WATERPROOFING UP WALLS AND ACROSS TOP SLAB AT VERTICAL CONSTRUCTION JOINTS.
- ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.
- THE ALTERNATE CUTOFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALLS.
- THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 36 STANDARDS OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".
- UNDERCUT 2'-0". EXCAVATIONS FOR UNDERCUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL WITH "BREAKER RUN".
- LOCATE NAME PLATE ON NEAREST RIGHT WING TRAVELING UP STATION, FACE NAME PLATE UP STATION.

STATE PROJECT NUMBER
5005-00-71

LEGEND

- INDICATES WING NUMBER
 - NAME PLATE LOCATION (SEE SHEET 5)
 - ▲ CORNER DETAILS (SEE SHEET 5)
 - ▲ CONSTRUCTION JOINT (TYP.)
- NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

LIST OF DRAWINGS

1. LAYOUT
2. SUBSURFACE EXPLORATION
3. BOX DETAILS 1
4. BOX DETAILS 2
5. INLET APRON DETAILS
6. INLET WING DETAILS
7. OUTLET APRON DETAILS
8. OUTLET WING DETAILS

BRIDGE OFFICE CONTACT
WILLIAM DREHER
(608) 266-8489

CONSULTANT CONTACT
TROY L. PETERSON
(715) 235-9081

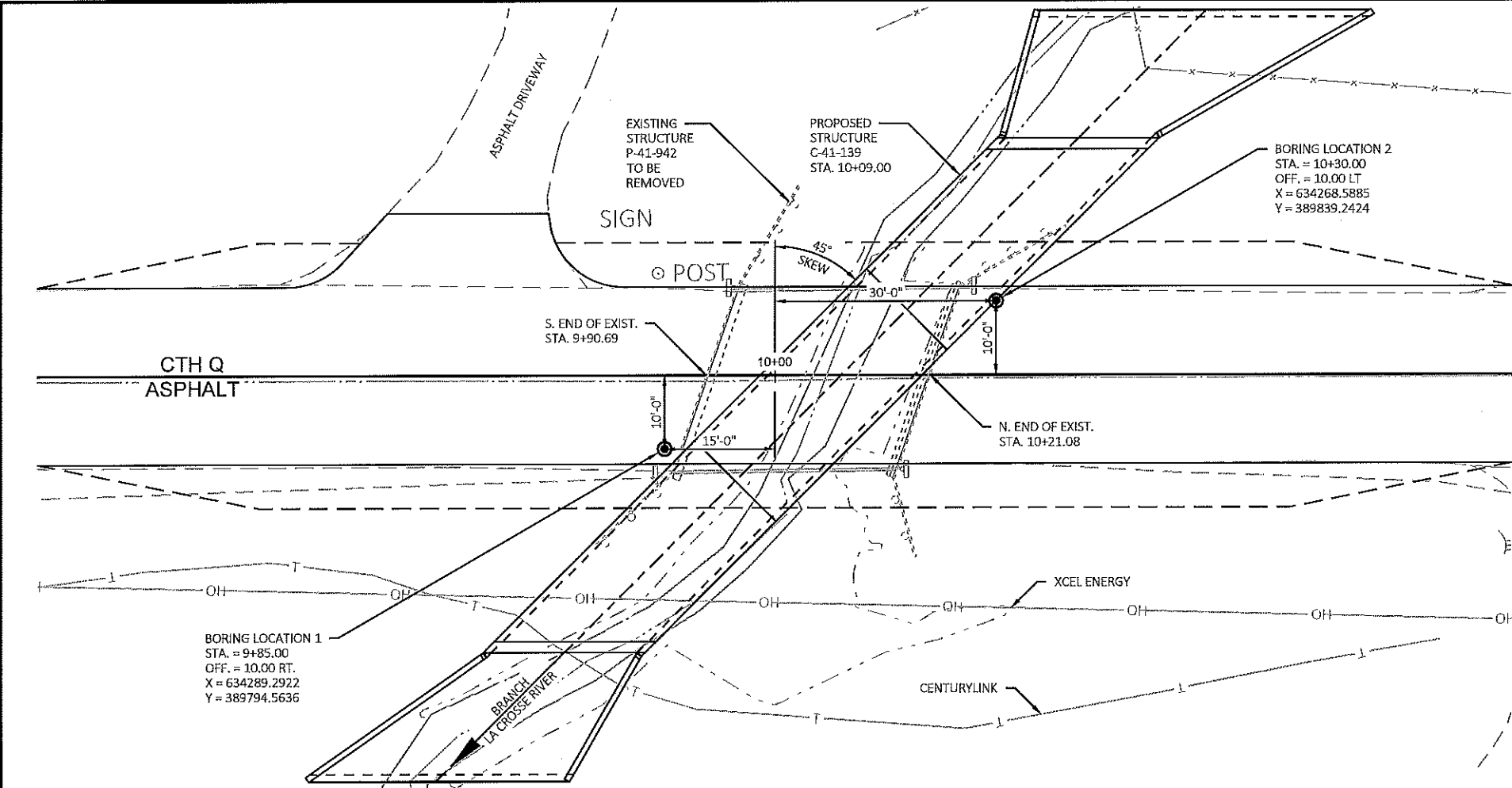
NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY			
Cedar corporation www.cedarcorp.com 800-472-7372			
ACCEPTED			
CHIEF STRUCTURES DESIGN ENGINEER			
DATE			
STRUCTURE C-41-139			
CTH Q OVER BRANCH LA CROSSE RIVER			
COUNTY	TOWN/CITY/VILLAGE		
MONROE	ANGELO		
DESIGN SPEC.	AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS		
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ATA	TLP	NJT	TLP
LAYOUT			SHEET 1 OF 8

I.D. 5005-00-71

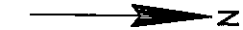
DATE: August 2018

The alternate cutoff wall was used for the outlet side. There was a spring at the outlet end that prevented a poured cutoff wall to be constructed; therefore, sheeting was installed. See sheet 14.1 for more information about the natural spring and new ditch.

SCALE = 1:1



PLAN



SUBSURFACE NOTES

THE SUBSURFACE INFORMATION PRESENTED HEREIN IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNICAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

BORINGS & REPORT COMPLETED BY:

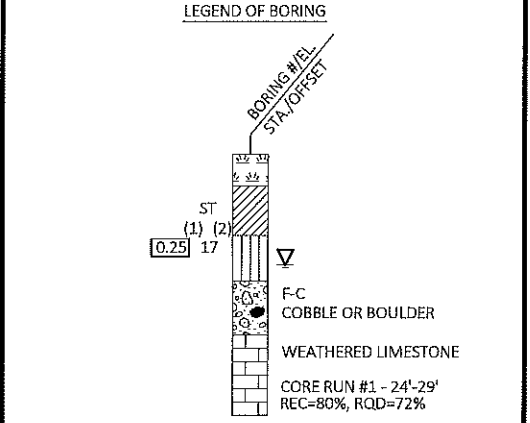
CHOSEN VALLEY TESTING, INC.

WISCONSIN OFFICE
135 BUCKNER PLACE
LA CROSSE, WI 54603
(608) 782-5505

MINNESOTA OFFICE
1410 7TH STREET NW
ROCHESTER, MN 55901
(507) 281-0968

BORINGS PERFORMED ON:
12/14/2017 - B1
12/14/2017 - B2

STATE PROJECT NUMBER		
5005-00-71		
MATERIAL SYMBOLS		
ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

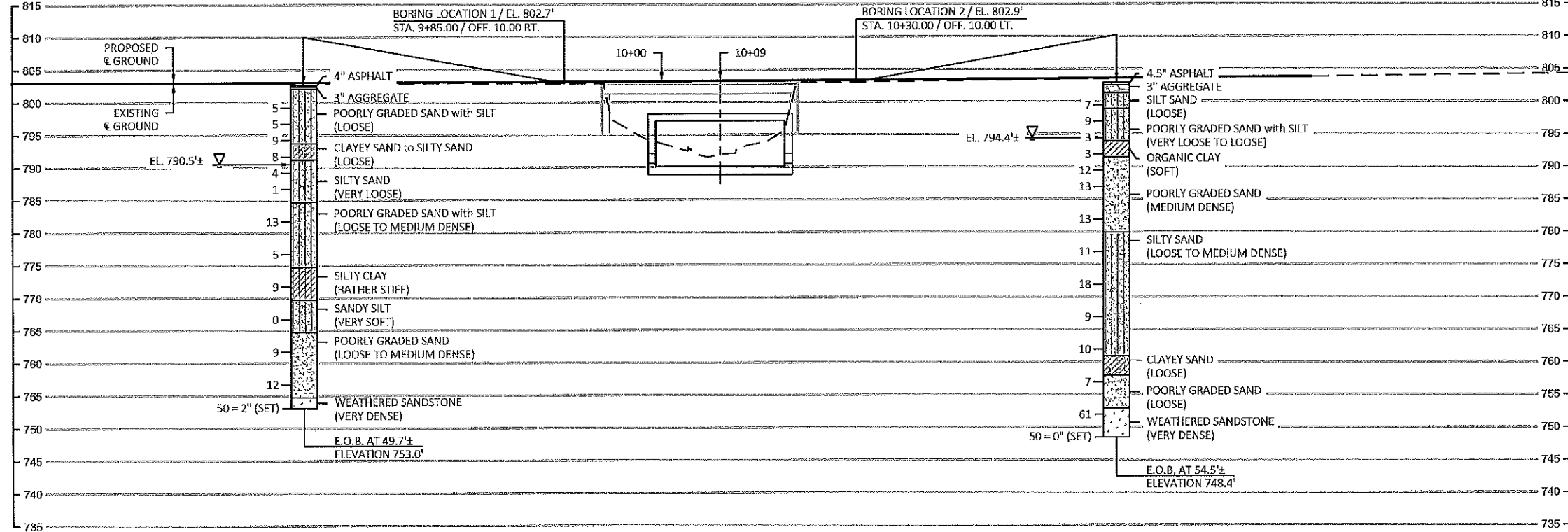


- (1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)
- (2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION			
▽	AT TIME OF DRILLING		
▽	END OF DRILLING		
▽	AFTER DRILLING		
ABBREVIATIONS			
F-Fine	M-Medium	C-Coarse	st-shelby tube

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



ELEVATION

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE C-41-139			
DRAWN BY NJT		PLANS CK'D TLP	
SUBSURFACE EXPLORATION		SHEET 2 OF 8	

SCALE = 1:1

STATE PROJECT NUMBER

5005-00-71

Updated Rebar Quantities from the Designers

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY

BAR MARK	NO. REQUIRED	LENGTH
B703	4 SERIES OF 22	1'-4" TO 14'-8"
B409	4 SERIES OF 9	27'-0" TO 38'-0"
B411	2 SERIES OF 12	24'-9" TO 40'-1"
B415	2 SERIES OF 7	2'-0" TO 8'-6"

B601

4 Series of 28

B404 bars were too long, Concrete Structures cut them to fit in the wall forms.

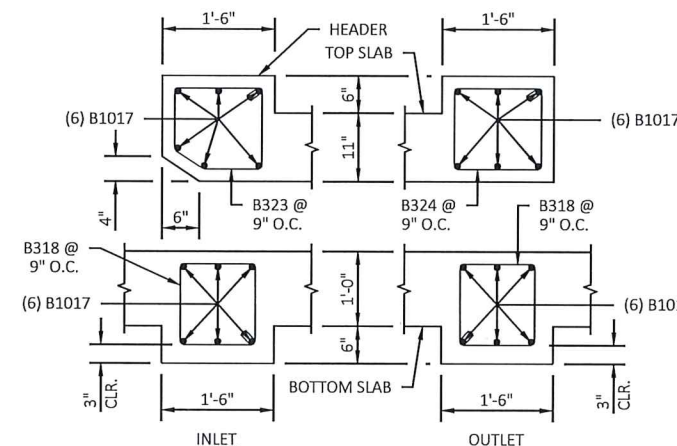
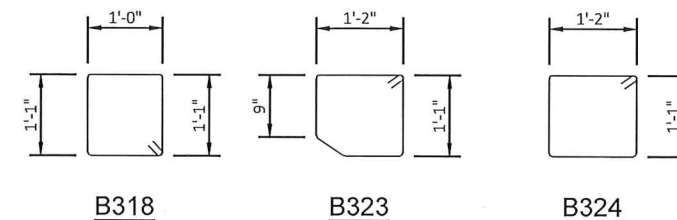
BILL OF BARS

30570#UNCOATED

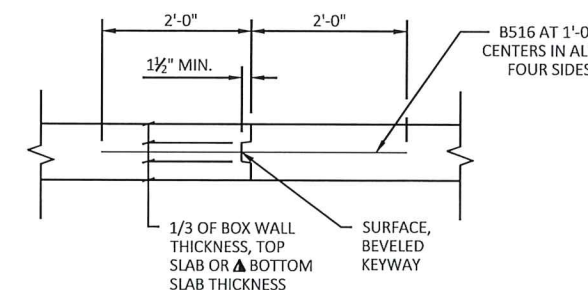
BAR MARK	COM	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
B601		796	9'-2"	X		BOX CORNER
B702		332	14'-9"			BOX TOP & BOTTOM SLAB TRANS.
B703		112	8'-0"			BOX TOP & BOTTOM SLAB TRANS.
B404		202	7'-6"			BOX WALLS VERTICAL
B405		202	2'-4"			BOX WALLS VERTICAL DOWELS
B406		24	32'-6"			BOX WALLS LONGITUDINAL
B407		18	39'-6"			BOX WALLS LONGITUDINAL
B408		18	32'-6"			BOX TOP & BOTTOM SLAB LONG.
B409		36	32'-6"			BOX TOP & BOTTOM SLAB LONG.
B410		12	32'-6"			BOX TOP SLAB LONGITUDINAL
B411		24	32'-5"			BOX TOP SLAB LONGITUDINAL
B412		6	32'-6"			BOX LONGITUDINAL
B413		4	24'-9"			BOX LONG. BOTTOM CORNER
B414		58	10'-0"			BOX TOP SLAB TRANSVERSE
B415		14	5'-3"			BOX TOP SLAB TRANSVERSE
B516		96	4'-0"			BOX CONSTRUCTION JOINT DOWEL
B1017		24	21'-5"			BOX HEADERS
B318		58	4'-7"	X		BOX HEADERS BOTTOM SLAB
B419		24	24'-9"			BOX WALL LONGITUDINAL
B420		2	28'-3"			BOX LONGITUDINAL BOTTOM
B421		2	36'-0"			BOX LONGITUDINAL BOTTOM
B422		2	39'-6"			BOX LONGITUDINAL BOTTOM
B323		29	4'-7"	X		BOX HEADER TOP INLET STIRRUP
B324		29	4'-11"	X		BOX HEADER STIRRUP OUTLET

NOTE: BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

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



BOX END DETAILS



VERTICAL CONSTRUCTION JOINT

IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

LEGEND

- A01 18" MIN. WIDTH WATERPROOFING AT CONSTRUCTION JOINTS. EXTEND WATERPROOFING 1'-0" MIN. BELOW BOTTOM OF THE TOP SLAB.
- A02 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING (R.M.W.) UP WALLS AT VERTICAL CONSTRUCTION JOINTS. EXTEND R.M.W. 6" MIN. BELOW THE TOP OF THE BOTTOM SLAB.
- A03 OPTIONAL CONSTRUCTION JOINT. OMIT 1" FILLET IF OPTIONAL CONSTRUCTION JOINT IS USED.
- A04 CONSTRUCTION JOINT
- A05 ALTERNATE CONSTRUCTION JOINT. OMIT 1" FILLET IF ALTERNATE CONSTRUCTION JOINT IS USED.

NO.	DATE	REVISION	BY
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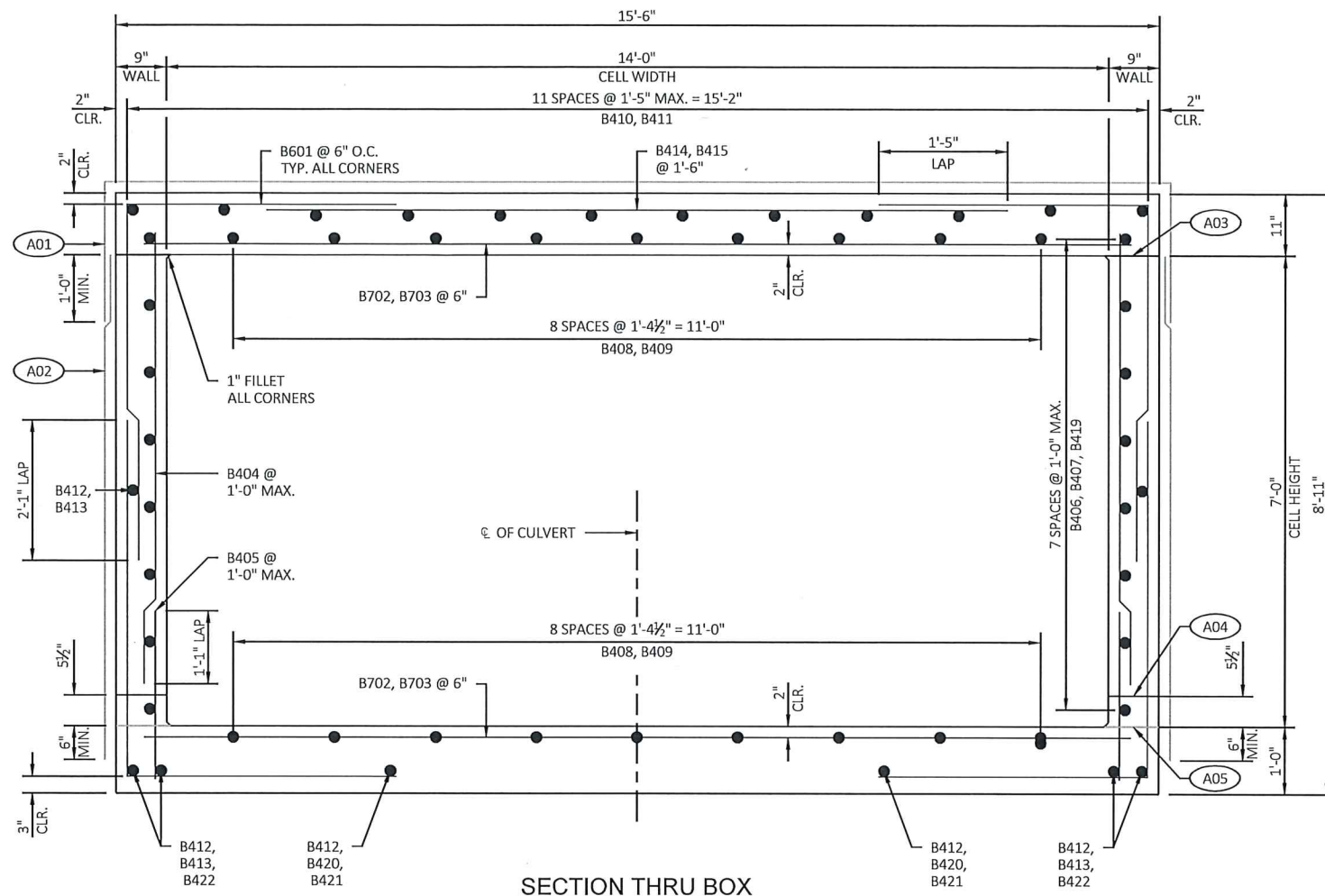
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-41-139

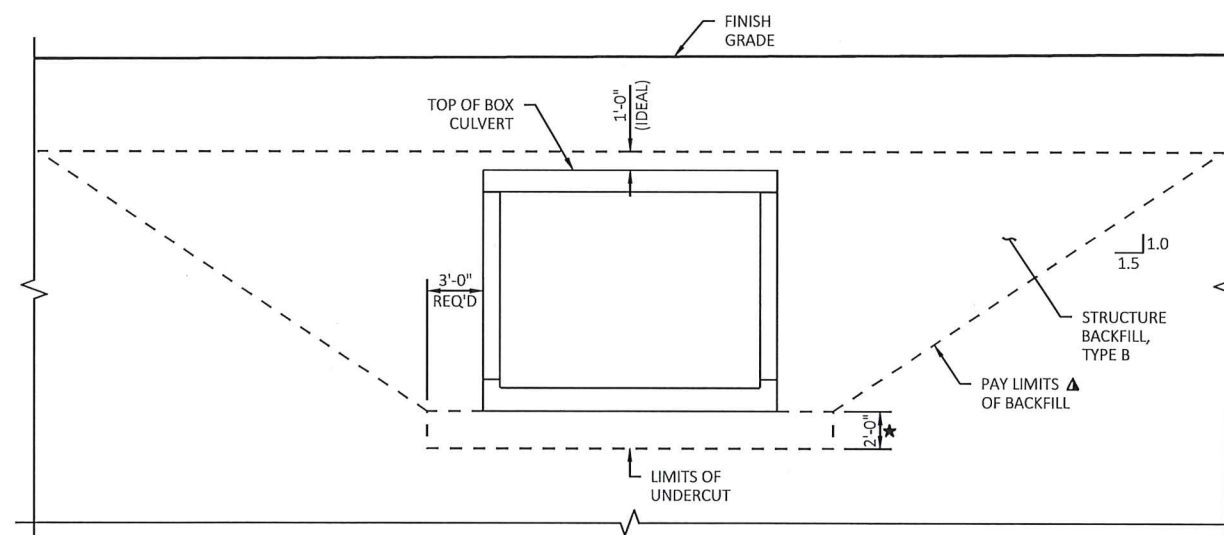
DRAWN BY NJT PLANS CKD. TLP

BOX
DETAILS 1

SHEET 3 OF 8



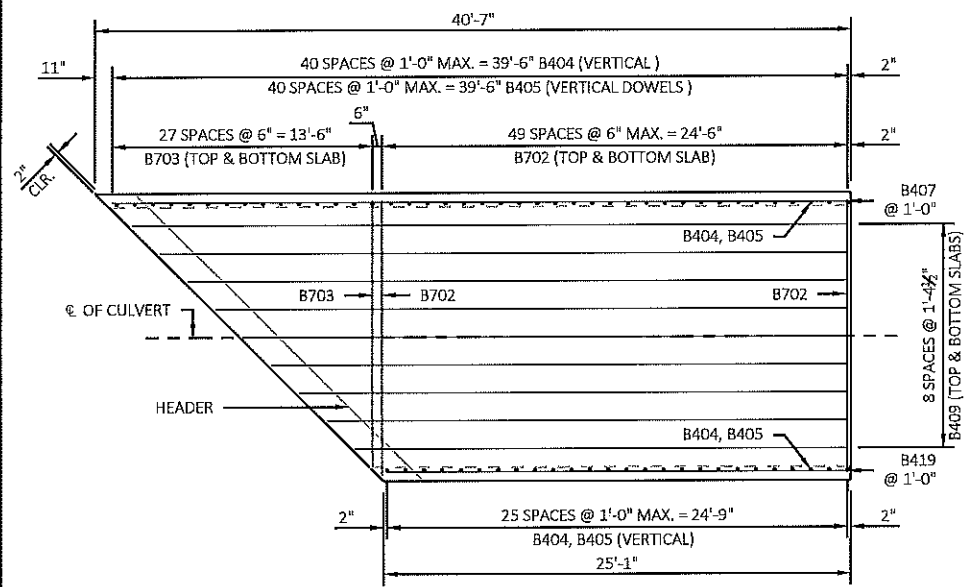
SECTION THRU BOX



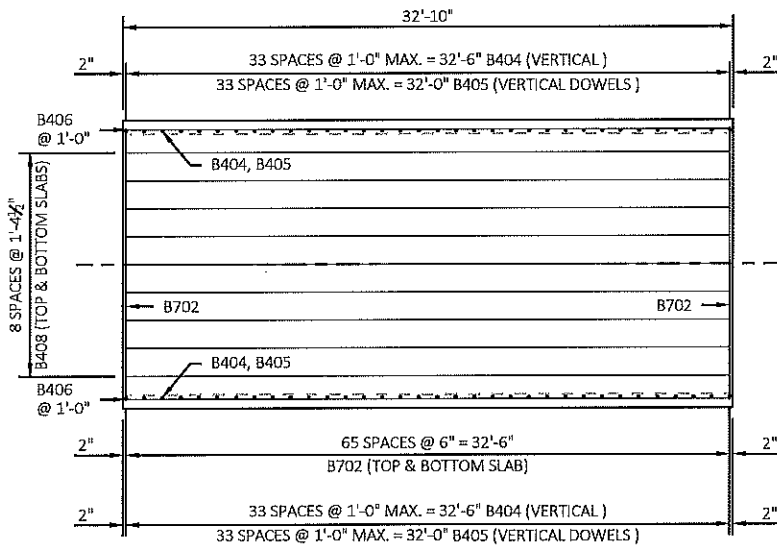
TYPICAL SECTION THRU BOX CULVERT

BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES, LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

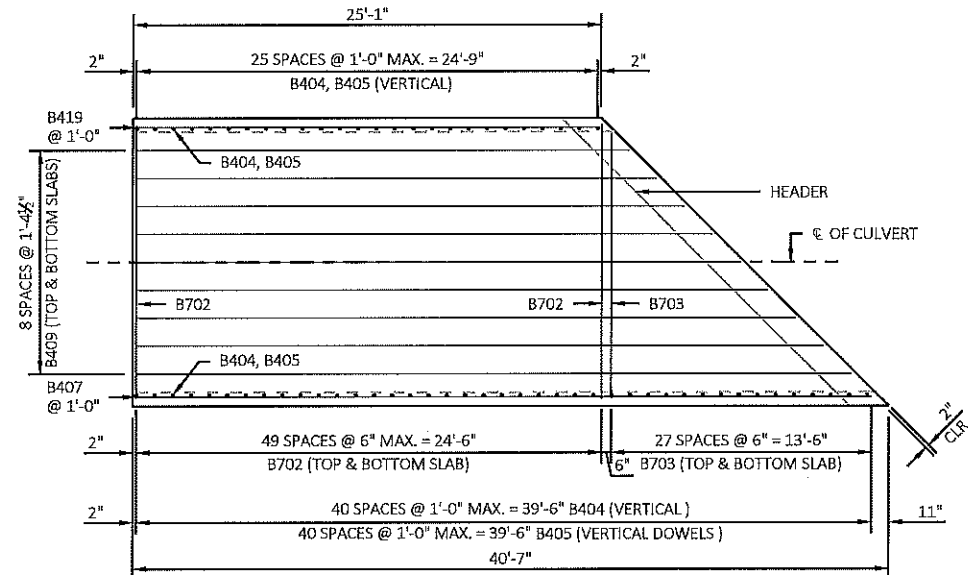
UNDER CUT 2'-0", EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".



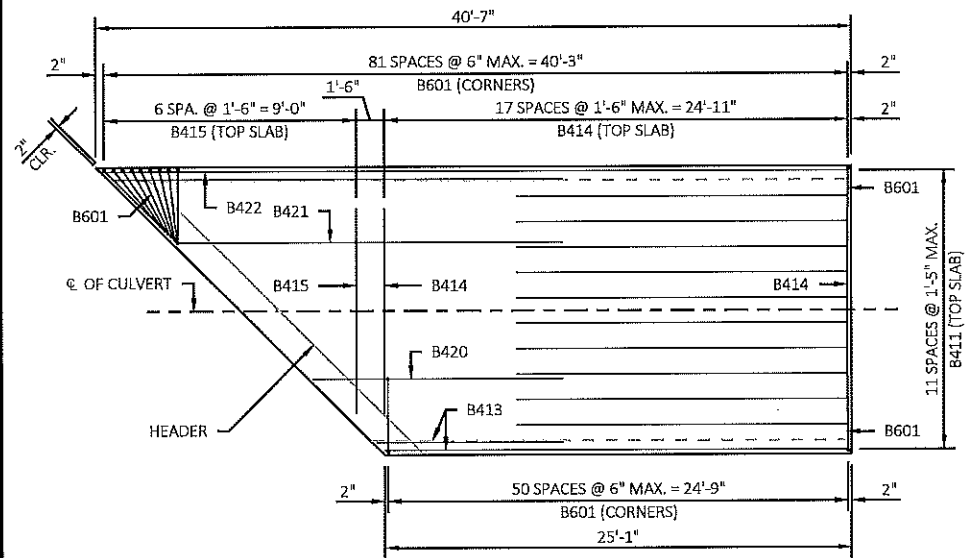
PLAN VIEW INSIDE FACE REINFORCEMENT
EXTERIOR PANEL



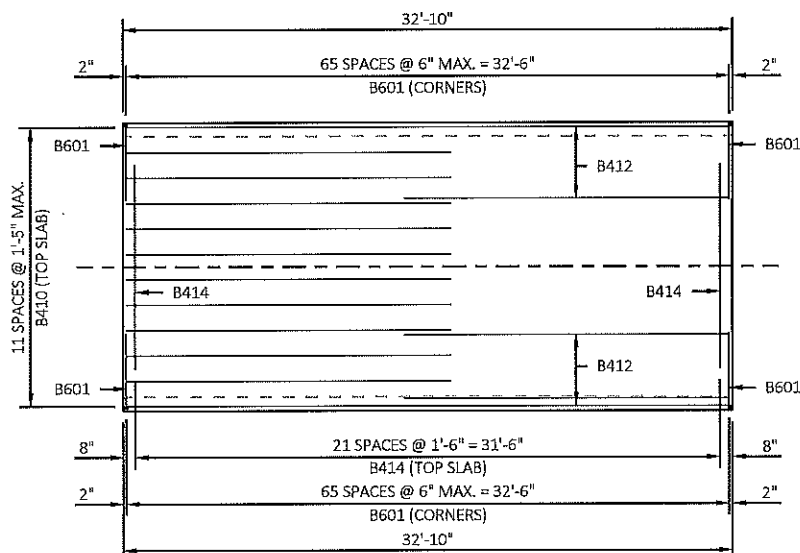
PLAN VIEW INSIDE FACE REINFORCEMENT
INTERIOR PANEL



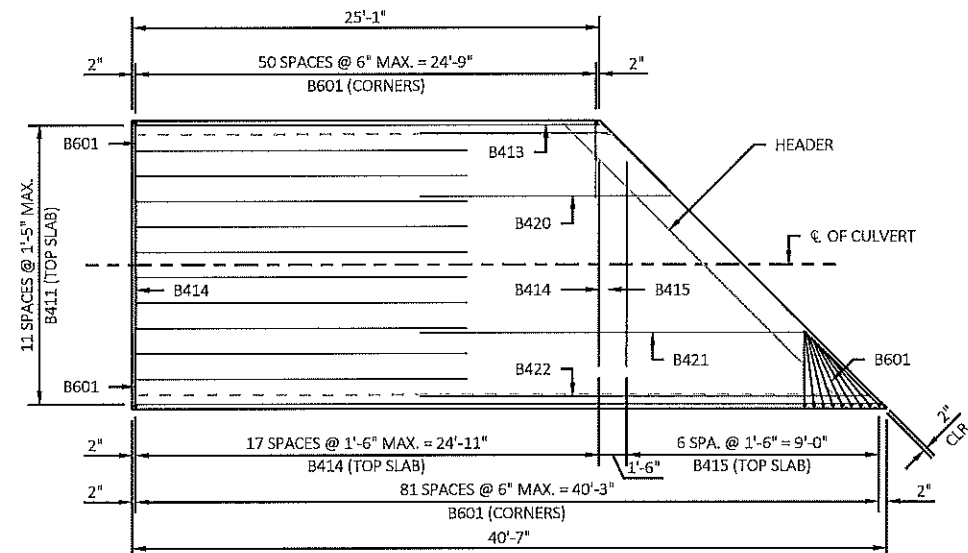
PLAN VIEW INSIDE FACE REINFORCEMENT
EXTERIOR PANEL



PLAN VIEW OUTSIDE FACE REINFORCEMENT
EXTERIOR PANEL



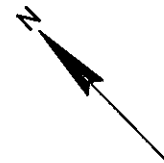
PLAN VIEW OUTSIDE FACE REINFORCEMENT
INTERIOR PANEL



PLAN VIEW OUTSIDE FACE REINFORCEMENT
EXTERIOR PANEL

8

8



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE C-41-139			
DRAWN BY NJT		PLANS CK'D. TLP	
BOX DETAILS 2		SHEET 4 OF 8	

SCALE = 1:1

BAR SERIES TABLE

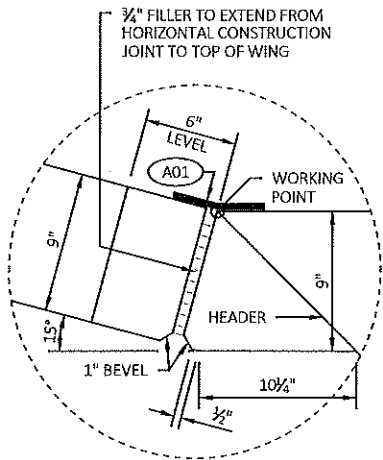
BUNDLE AND TAG EACH SERIES SEPARATELY

BAR MARK	NO. REQUIRED	LENGTH
U426	1 SERIES OF 18	2'-7" TO 24'-2"
U405	1 SERIES OF 8	2'-5" TO 21'-7"
U406	1 SERIES OF 8	2'-5" TO 21'-7"
U607	1 SERIES OF 22	4'-0" TO 7'-2"
U409	1 SERIES OF 13	1'-8" TO 3'-10"
U412	2 SERIES OF 4	8'-6" TO 33'-2"
U414	1 SERIES OF 24	1'-4" TO 7'-2"
U617	1 SERIES OF 12	4'-0" TO 7'-2"
U419	1 SERIES OF 8	1'-4" TO 3'-8"
U421	2 SERIES OF 4	4'-6" TO 17'-3"
U423	1 SERIES OF 13	1'-4" TO 7'-2"

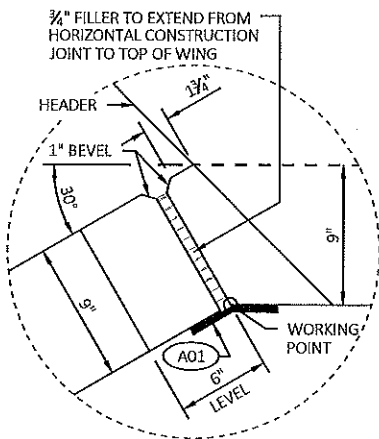
BILL OF BARS

1500# COATED		1030# UNCOATED				BAR SERIES	LOCATION
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT			
U401		46	3'-6"	X			CUTOFF WALL VERTICAL
U402		3	44'-4"				CUTOFF WALL HORIZONTAL
U403		18	21'-7"				APRON TRANSVERSE
U404		16	26'-8"				APRON LONGITUDINAL
U405		8	12'-0"				APRON LONGITUDINAL
U406		8	12'-0"				APRON LONGITUDINAL
U607	X	22	5'-7"				WING 1 VERTICAL BACK FACE
U608	X	22	9'-3"	X			WING 1 CORNER
U409	X	13	2'-9"				WING 1 VERTICAL BACK FACE
U410	X	13	6'-2"	X			WING 1 CORNER
U411	X	3	6'-2"	X			WING 1 CORNER
U412	X	8	20'-10"				WING 1 HORIZONTAL
U413	X	3	33'-2"				WING 1 HORIZONTAL
U414	X	24	4'-3"				WING 1 VERTICAL FRONT FACE
U415	X	24	2'-7"				WING 1 VERTICAL F.F. DOWELS
U516	X	2	33'-9"				WING 1 HORIZONTAL
U617	X	12	5'-7"				WING 2 VERTICAL BACK FACE
U618	X	12	9'-3"	X			WING 2 CORNER
U419	X	8	2'-6"				WING 2 VERTICAL BACK FACE
U420	X	8	6'-2"	X			WING 2 CORNER
U421	X	8	10'-10"				WING 2 HORIZONTAL
U422	X	3	17'-3"				WING 2 HORIZONTAL
U423	X	13	4'-3"				WING 2 VERTICAL FRONT FACE
U424	X	13	2'-1"				WING 2 VERTICAL F.F. DOWELS
U525	X	2	18'-3"				WING 2 HORIZONTAL
U426		18	13'-2"				APRON TRANSVERSE
U427	X	2	33'-2"				WING 1 HORIZONTAL
U428	X	2	17'-3"				WING 2 HORIZONTAL

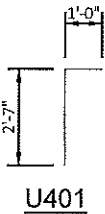
NOTE: BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.
LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



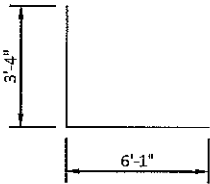
CORNER 'A'



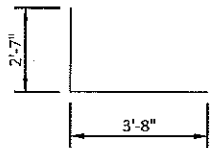
CORNER 'B'



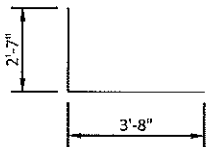
U401



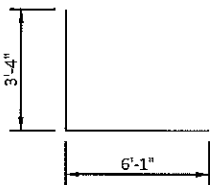
U608



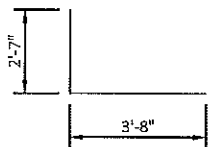
U410



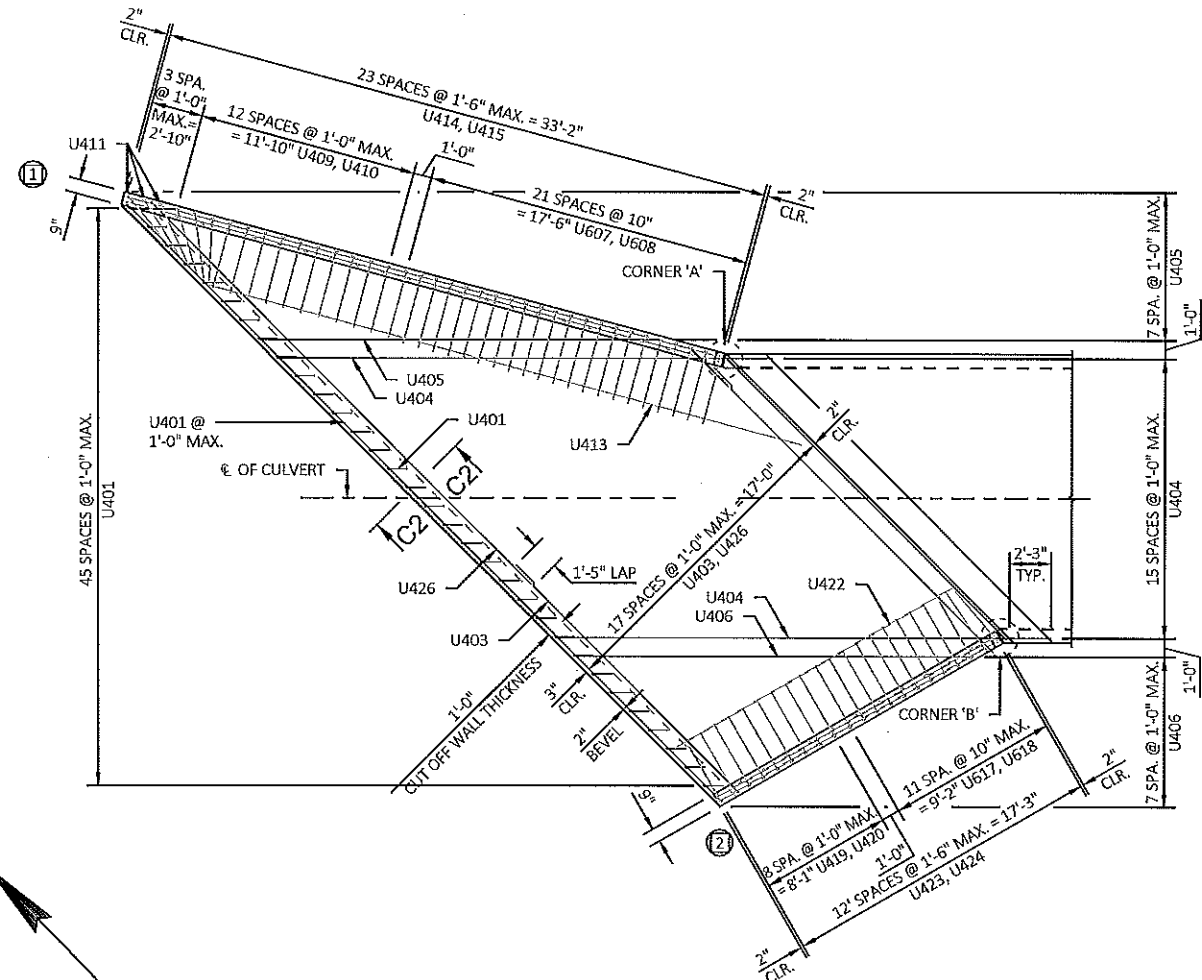
U411



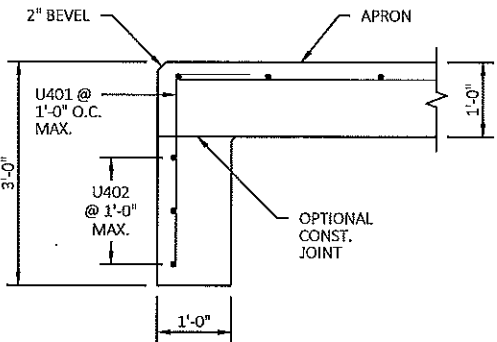
U618



U420



INLET APRON REINFORCEMENT



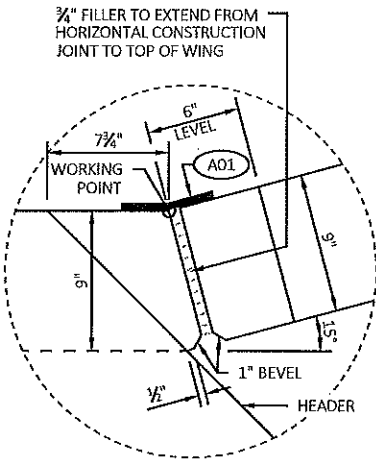
CUT-OFF WALL
SECTION C2

LEGEND

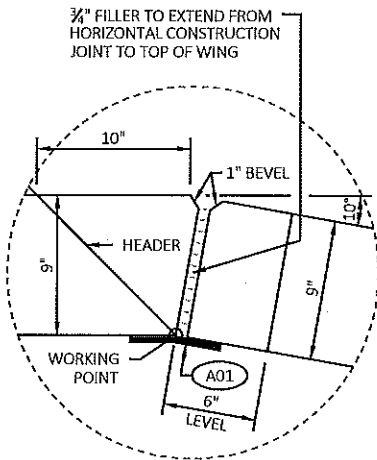
- INDICATES WING NUMBER
- 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ALONG HORIZONTAL CONSTRUCTION JOINT IN WING.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE C-41-139			
DRAWN BY		NJT	PLANS CK'D. TLP
INLET APRON DETAILS		SHEET 5 OF 8	

SCALE = 1:1



CORNER 'A'

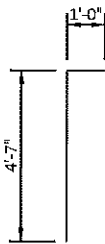


CORNER 'B'

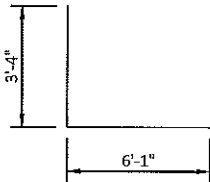
BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY

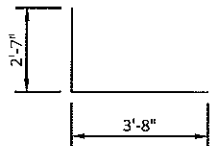
BAR MARK	NO. REQUIRED	LENGTH
D403	1 SERIES OF 19	21'-6" TO 34'-10"
D405	1 SERIES OF 5	4'-2" TO 23'-2"
D406	1 SERIES OF 5	4'-6" TO 23'-2"
D607	1 SERIES OF 13	4'-3" TO 7'-3"
D409	1 SERIES OF 10	1'-4" TO 4'-2"
D411	2 SERIES OF 4	5'-0" TO 19'-4"
D413	1 SERIES OF 14	1'-4" TO 7'-2"
D616	1 SERIES OF 19	4'-2" TO 7'-2"
D418	1 SERIES OF 14	1'-4" TO 4'-2"
D420	2 SERIES OF 4	7'-6" TO 29'-0"
D422	1 SERIES OF 21	1'-4" TO 7'-2"



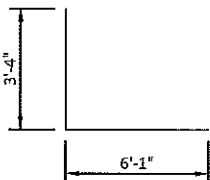
D401



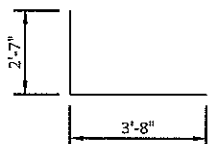
D608



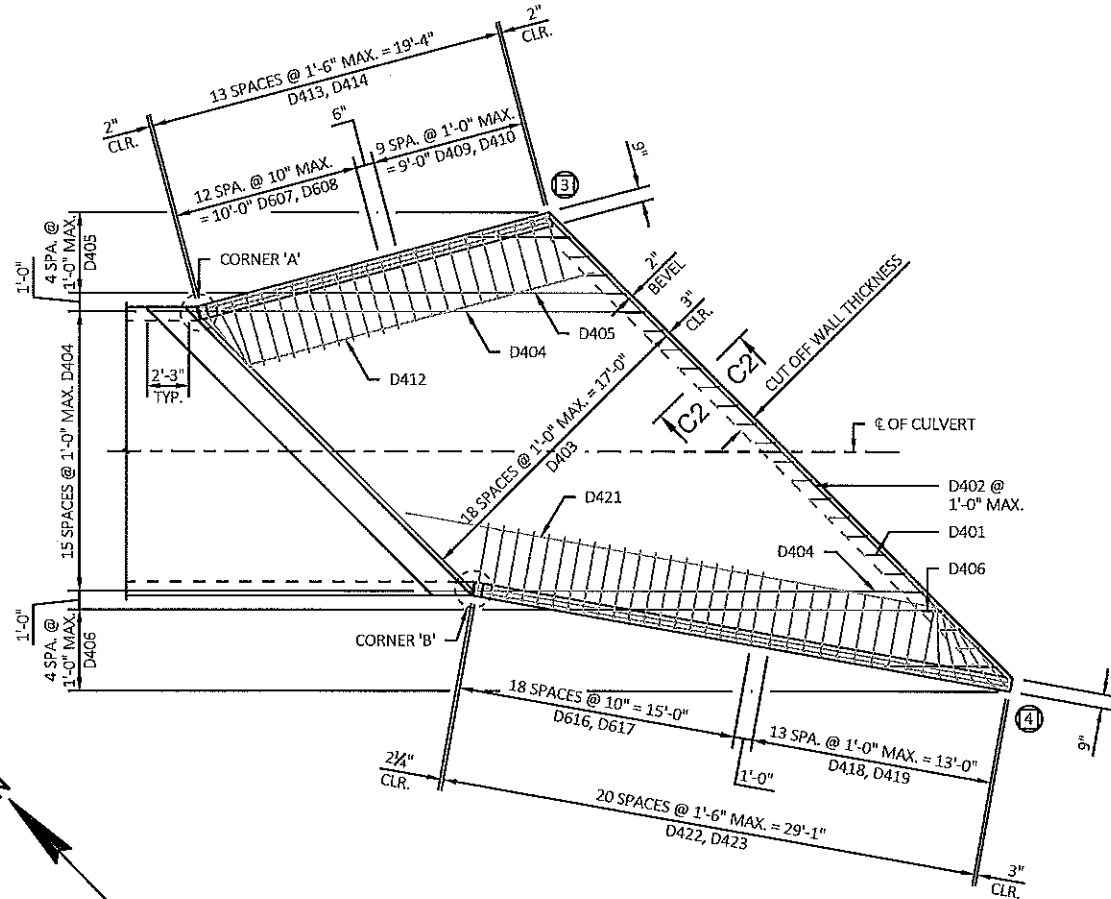
D410



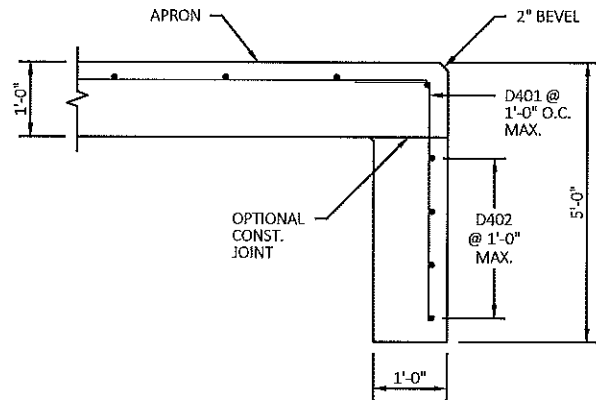
D617



D419



OUTLET APRON REINFORCEMENT



CUT-OFF WALL
SECTION C2

BILL OF BARS

1450# COATED		960# UNCOATED				LOCATION
BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES		
D401	36	5'-6"	X			CUTOFF WALL VERTICAL
D402	4	35'-0"				CUTOFF WALL HORIZONTAL
D403	19	28'-2"				APRON TRANSVERSE
D404	16	26'-10"				APRON LONGITUDINAL
D405	5	13'-8"				APRON LONGITUDINAL
D406	5	13'-10"				APRON LONGITUDINAL
D607	X 13	5'-9"				WING 3 VERTICAL BACK FACE
D608	X 13	9'-3"	X			WING 3 CORNER
D409	X 10	2'-9"				WING 3 VERTICAL BACK FACE
D410	X 10	6'-1"	X			WING 3 CORNER
D411	X 8	12'-2"				WING 3 HORIZONTAL
D412	X 3	19'-4"				WING 3 HORIZONTAL
D413	X 14	4'-3"				WING 3 VERTICAL FRONT FACE
D414	X 14	2'-7"				WING 3 VERTICAL F.F. DOWELS
D515	X 2	20'-2"				WING 3 HORIZONTAL
D616	X 19	5'-8"				WING 4 VERTICAL BACK FACE
D617	X 19	9'-3"	X			WING 4 CORNER
D418	X 14	2'-9"				WING 4 VERTICAL BACK FACE
D419	X 14	6'-1"	X			WING 4 CORNER
D420	X 8	18'-3"				WING 4 HORIZONTAL
D421	X 3	29'-1"				WING 4 HORIZONTAL
D422	X 21	4'-3"				WING 4 VERTICAL FRONT FACE
D423	X 21	2'-7"				WING 4 VERTICAL F.F. DOWELS
D524	X 2	29'-9"				WING 4 HORIZONTAL
D425	X 2	19'-4"				WING 3 HORIZONTAL
D426	X 2	29'-0"				WING 4 HORIZONTAL

NOTE: BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

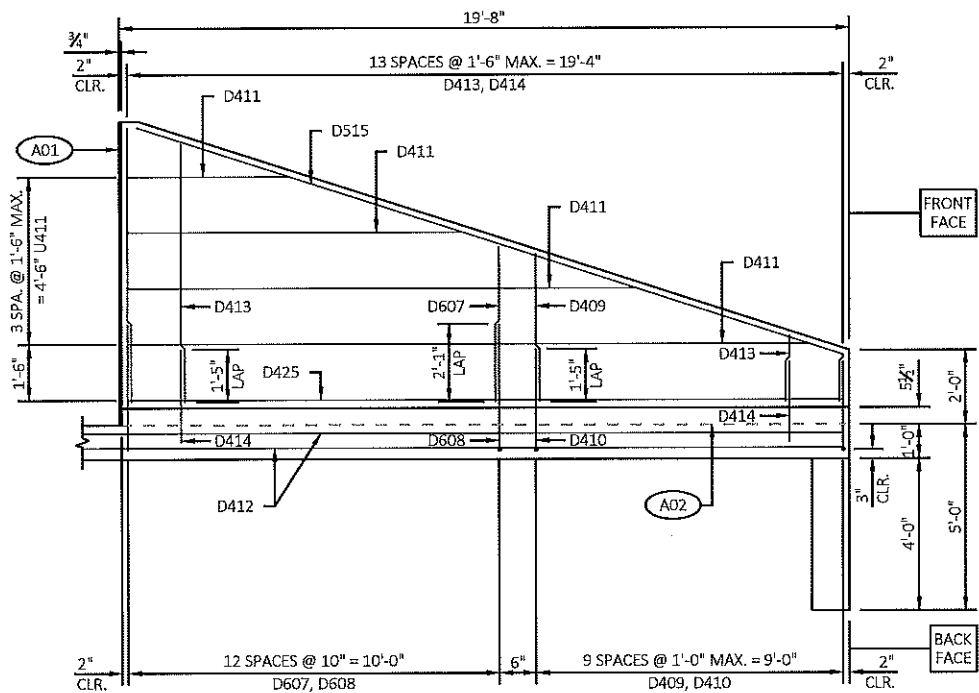
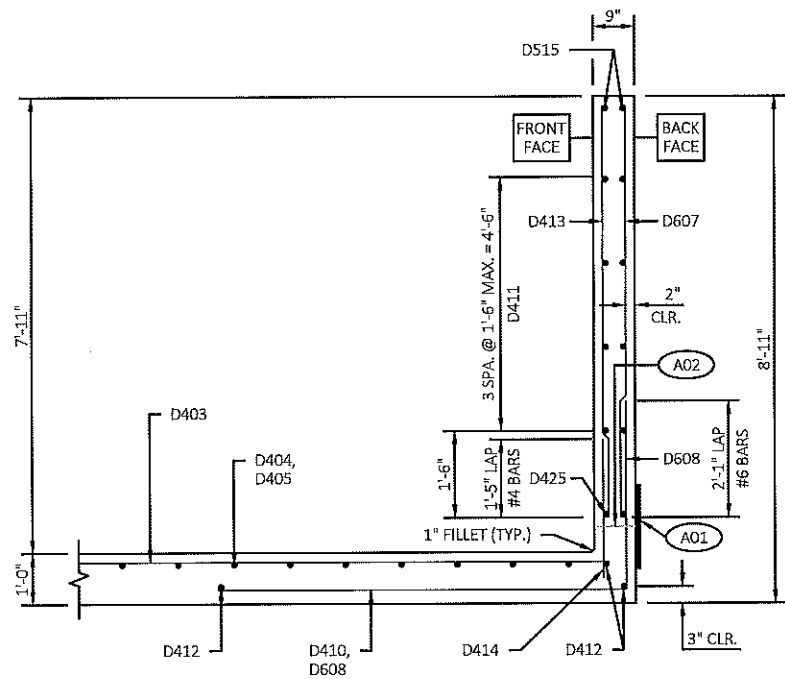
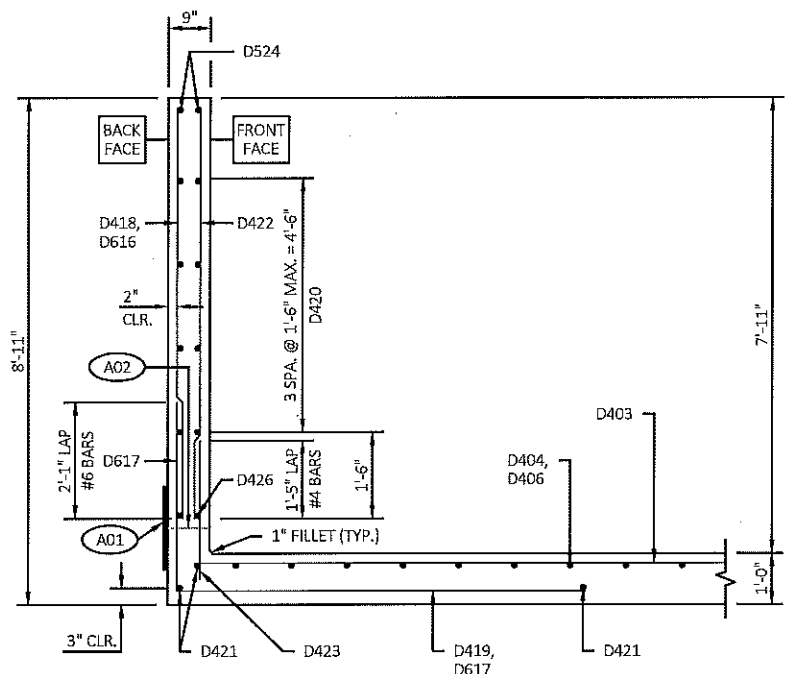
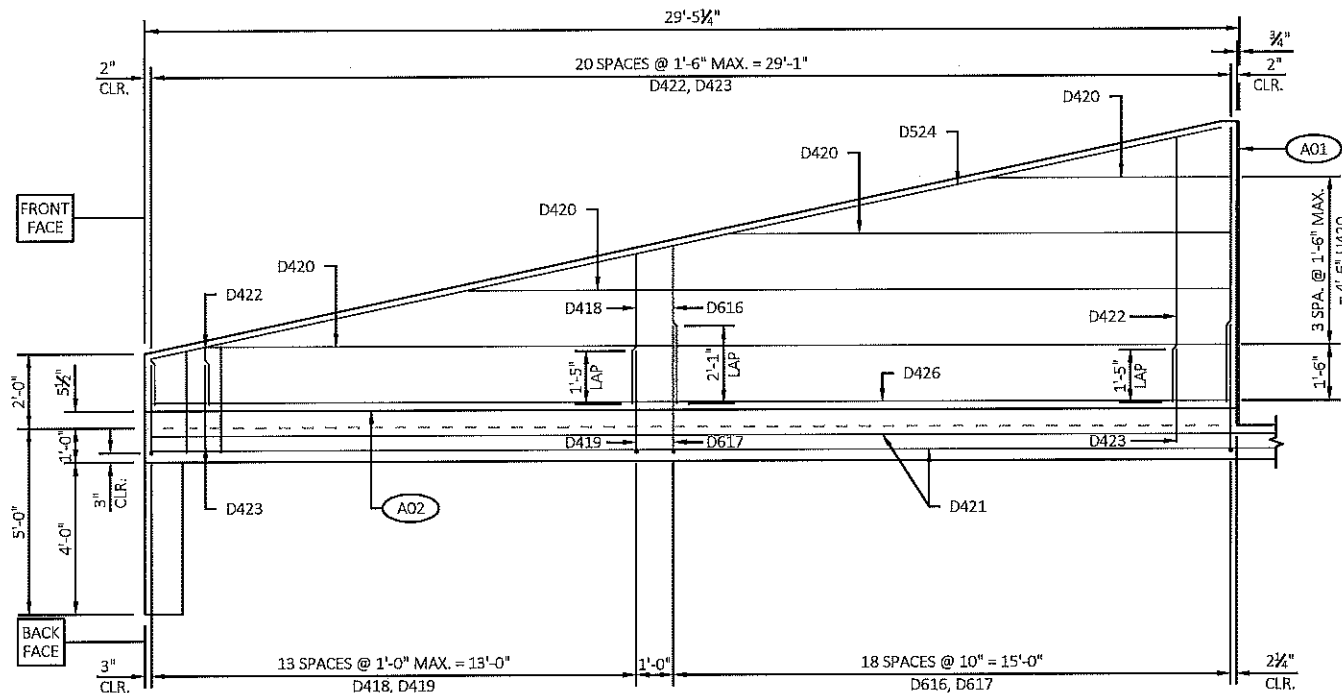
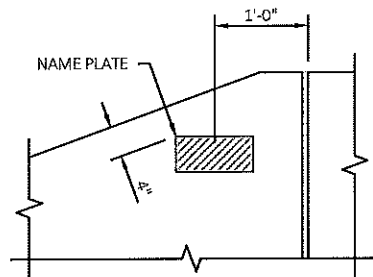
LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

LEGEND

⊙	INDICATES WING NUMBER
A01	18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ALONG HORIZONTAL CONSTRUCTION JOINT IN WING.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE C-41-139			
DRAWN BY		NJT	PLANS CK'D. TLP
OUTLET APRON DETAILS		SHEET 7 OF 8	

SCALE = 1:1



LEGEND

- INDICATES WING NUMBER
- A01 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ALONG HORIZONTAL CONSTRUCTION JOINT IN WING.
- A02 HORIZONTAL CONSTRUCTION JOINT

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE C-41-139			
DRAWN BY		NET	PLANS CK'D. TLP
OUTLET WING DETAILS		SHEET 8 OF 8	

INCREMENTAL VOLUME

STATION	DISTANCE FT	END AREA			COMMON				FILL		MASS HAUL CY (3)
		COMMON SF	FILL SF	SALVAGED/UNUSABLE PAVEMENT MATERIAL SF (1)	RAW CY	1.0	SALVAGED/UNUSABLE PAVEMENT MATERIAL CY	AVAILABLE MATERIAL CY (2)	RAW CY	1.3	
						ADJ CY				ADJ CY	
9+00		38.2	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9+50	50	45.8	20.4	8.3	77.8	77.8	15.3	62.5	18.9	24.6	37.9
9+75	25	22.1	0.0	8.3	31.4	31.4	7.6	23.8	9.4	12.3	11.5
10+00	25	0.0	0.0	0.0	10.2	10.2	3.8	6.4	0.0	0.0	6.4
10+25	25	16.8	14.2	8.3	7.8	7.8	3.8	4.0	6.6	8.5	-4.6
10+50	25	37.5	39.6	8.3	25.2	25.2	7.6	17.5	24.9	32.4	-14.9
11+00	50	43.9	0.0	8.3	75.4	75.4	15.3	60.1	36.7	47.7	12.4
		COLUMN TOTALS			227.7		53.5	174.3	125.4		48.8

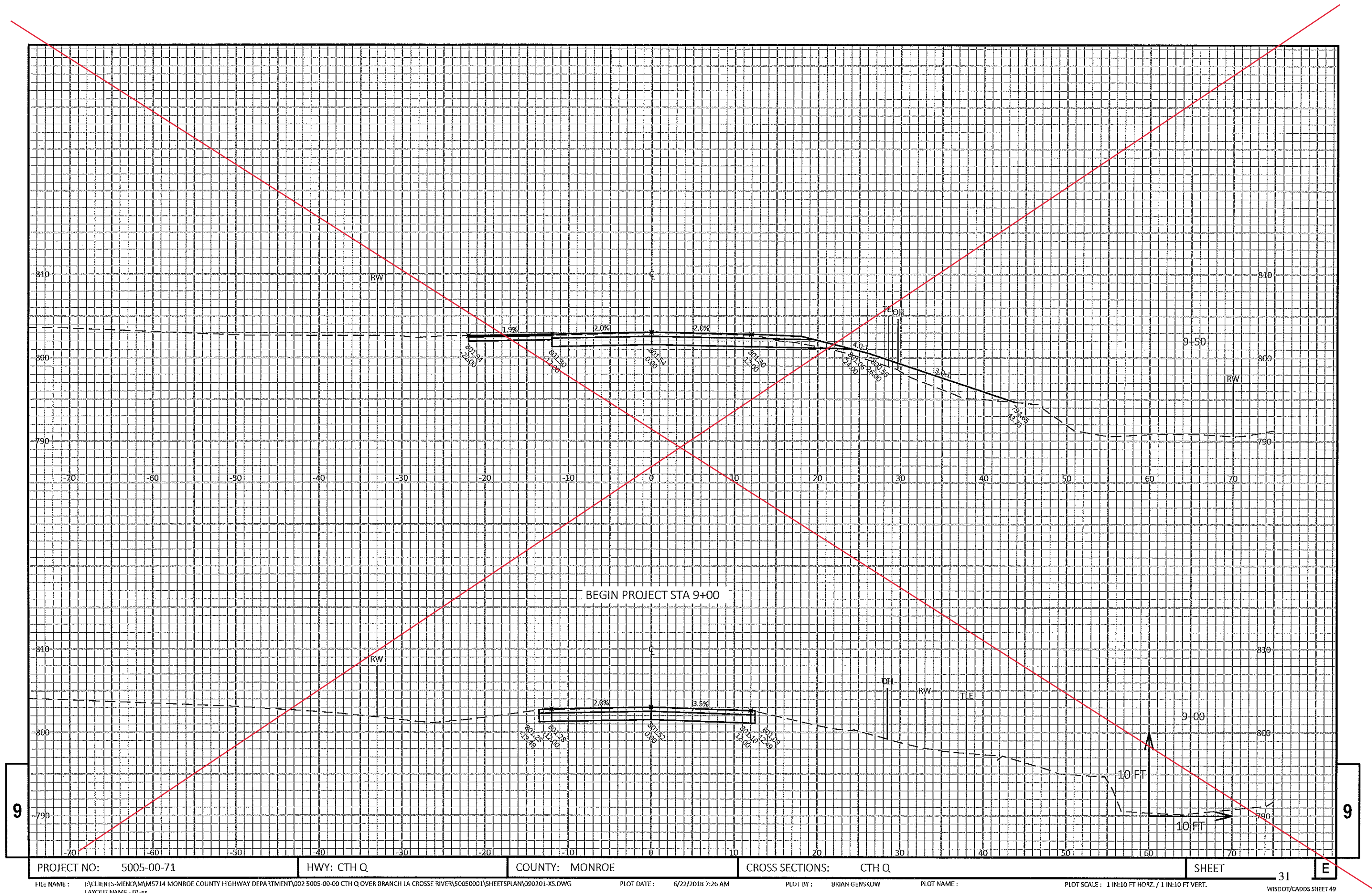
- 1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN COMMON.
2) AVAILABLE MATERIAL = CUT MINUS THE SALVAGED/UNUSABLE PAVEMENT MATERIAL
3) THE MASS HAUL = A + OR - QUANTITY CALCULATED FOR THE DIVISION. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL.

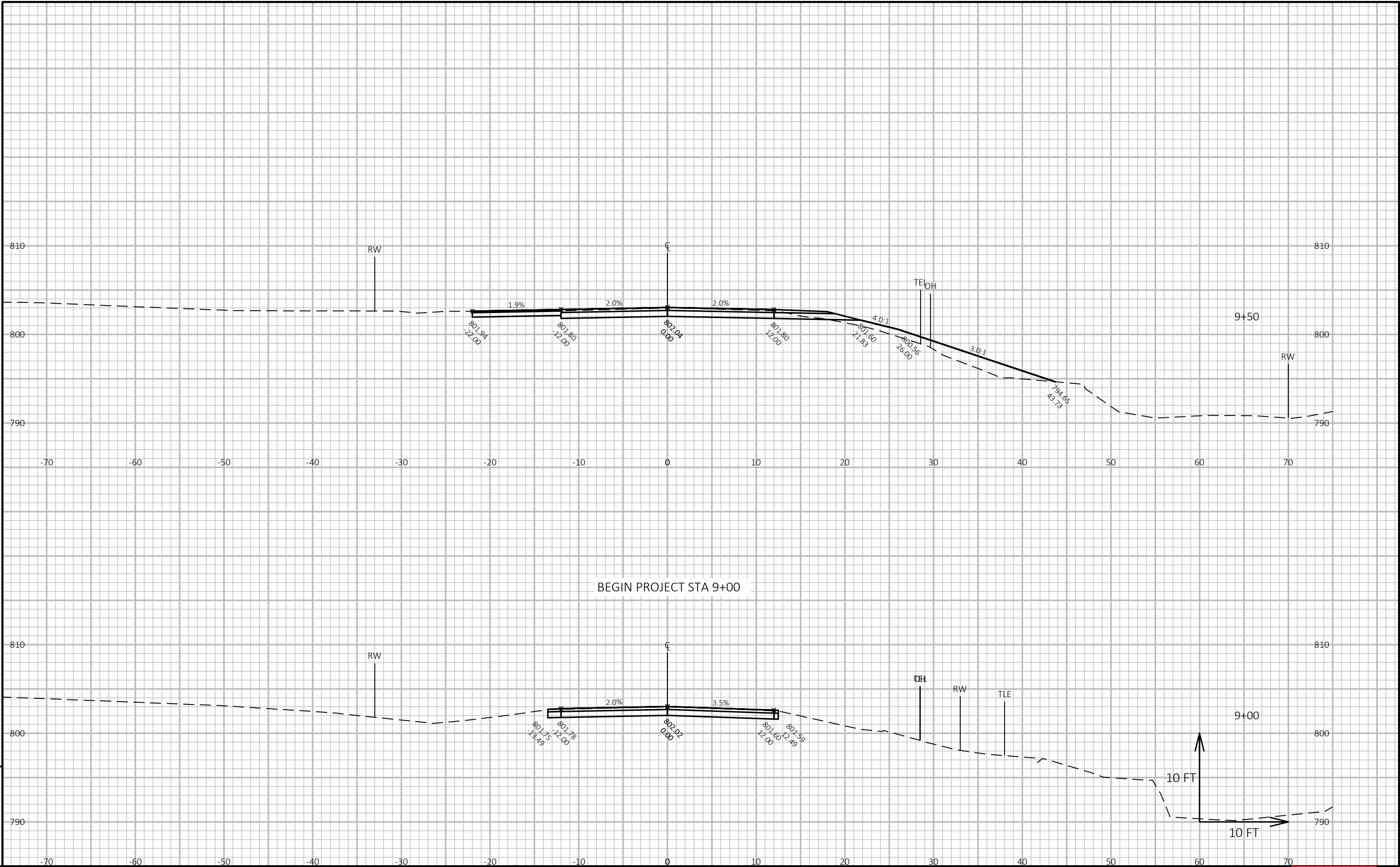
Revised earthwork quantities and cross sections to match the plan and profile and proposed cross sections.

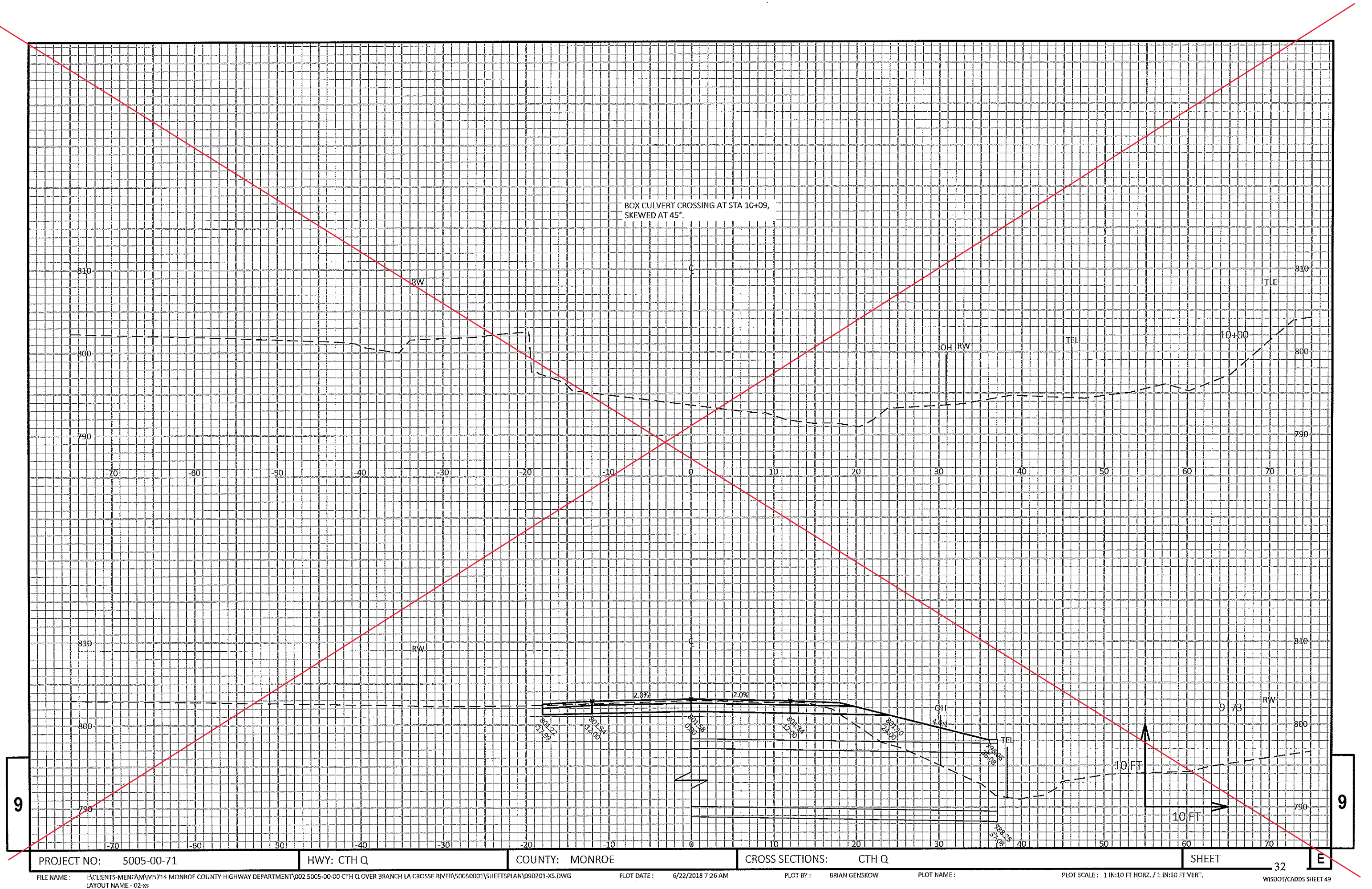
INCREMENTAL VOLUME

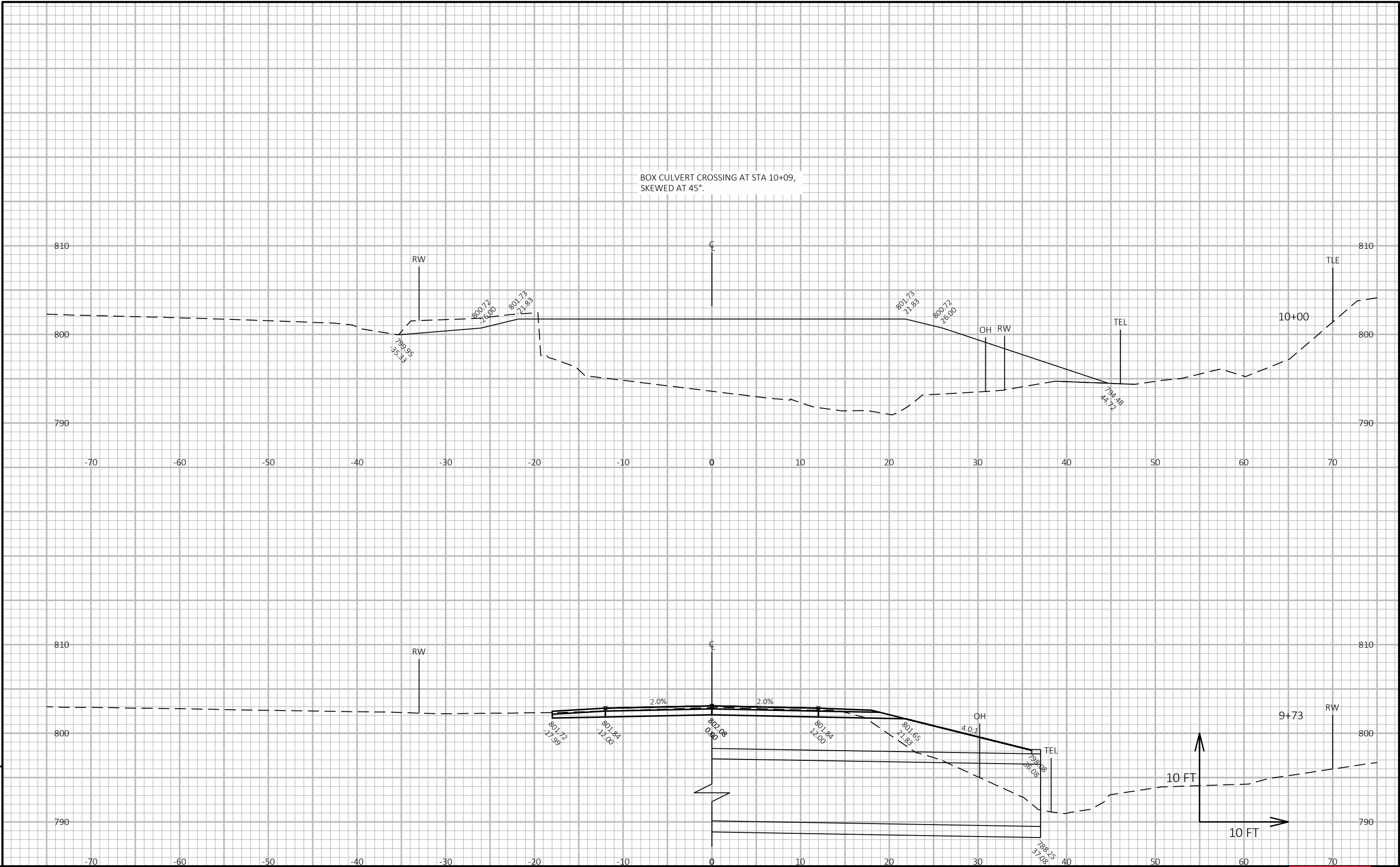
STATION	DISTANCE FT	END AREA			COMMON				FILL		MASS HAUL CY (3)
		COMMON SF	FILL SF	SALVAGED/UNUSABLE PAVEMENT MATERIAL SF (1)	RAW CY	1.0 ADJ CY	SALVAGED/UNUSABLE PAVEMENT MATERIAL CY	AVAILABLE MATERIAL CY (2)	RAW CY	1.3 ADJ CY	
9+00		25.3	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9+50	50	30.5	21.5	8.3	51.7	51.7	15.3	36.4	19.9	25.9	10.5
9+75	25	25.1	0.0	8.3	25.7	25.7	7.6	18.1	10.0	12.9	5.2
10+00	25	0.0	0.0	0.0	11.6	11.6	3.8	7.8	0.0	0.0	7.8
10+25	25	19.3	16.8	8.3	8.9	8.9	3.8	5.1	7.8	10.1	-5.0
10+50	25	21.5	28.1	8.3	18.9	18.9	7.6	11.3	20.8	27.0	-15.8
11+00	50	28.6	0.0	8.3	46.4	46.4	15.3	31.1	26.0	33.8	-2.7
		COLUMN TOTALS			163.2		53.5	109.8	109.8		0.0

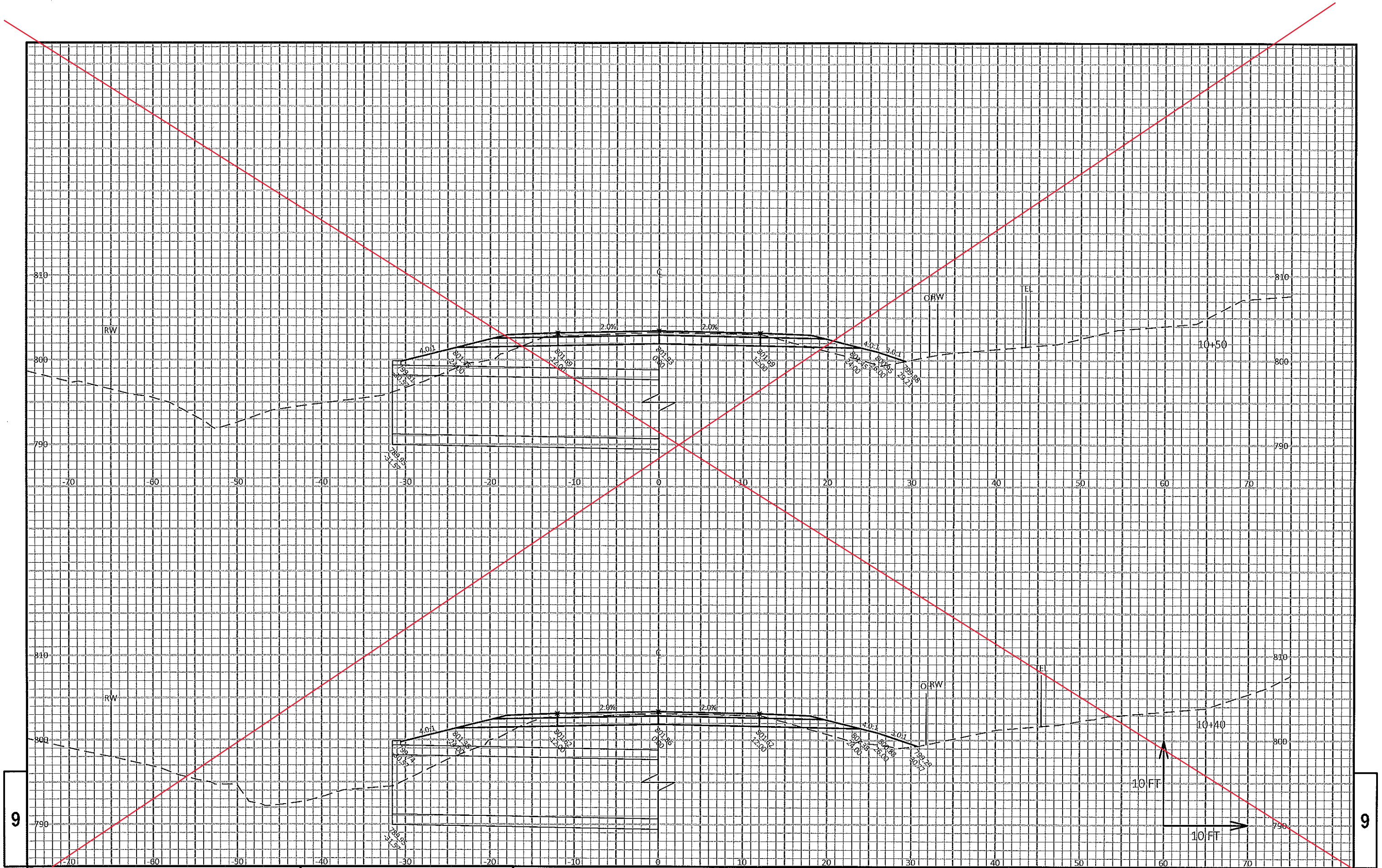
- 1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN COMMON.
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PROJECT NO: 5005-00-71

HWY: CTH Q

COUNTY: MONROE

CROSS SECTIONS: CTH Q

SHEET

33

E

FILE NAME : I:\CLIENTS-MENOM\5714 MONROE COUNTY HIGHWAY DEPARTMENT\002 5005-00-00 CTH Q OVER BRANCH LA CROSSE RIVER\50050001\SHEETS\PLAN\090201-XS.DWG
LAYOUT NAME - 03.xs

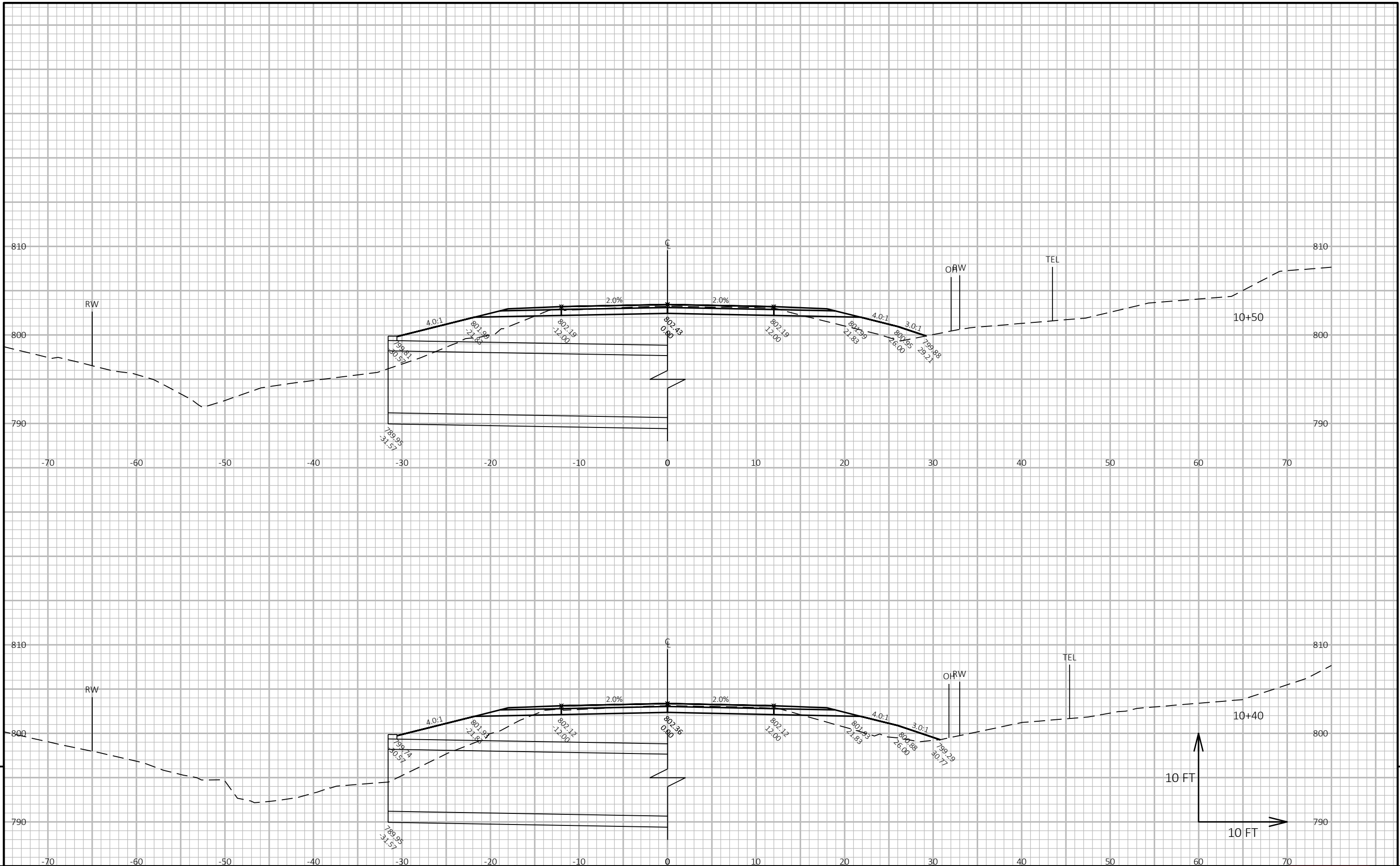
PLOT DATE : 6/22/2018 7:26 AM

PLOT BY : BRIAN GENSKOW

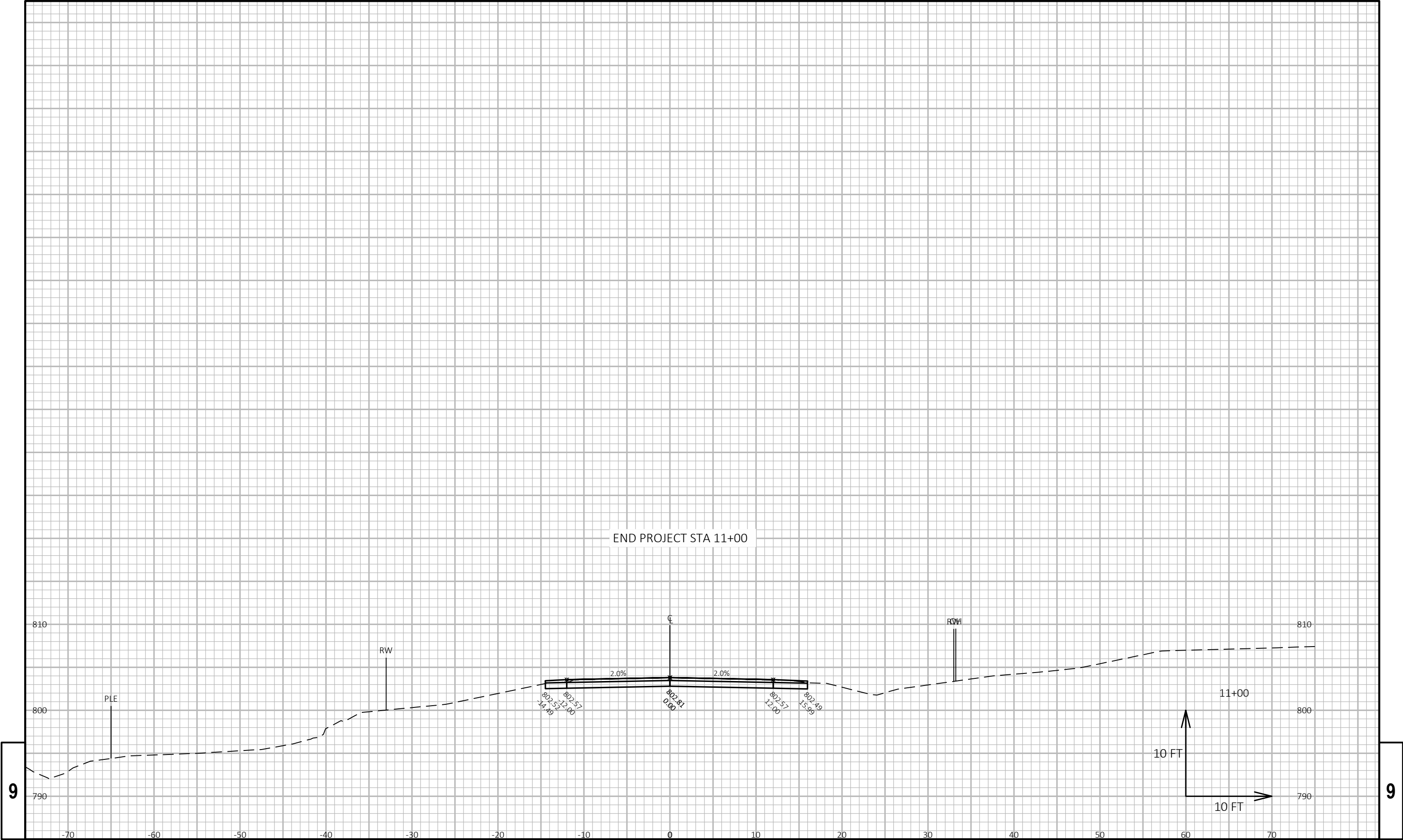
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADD5 SHEET 49



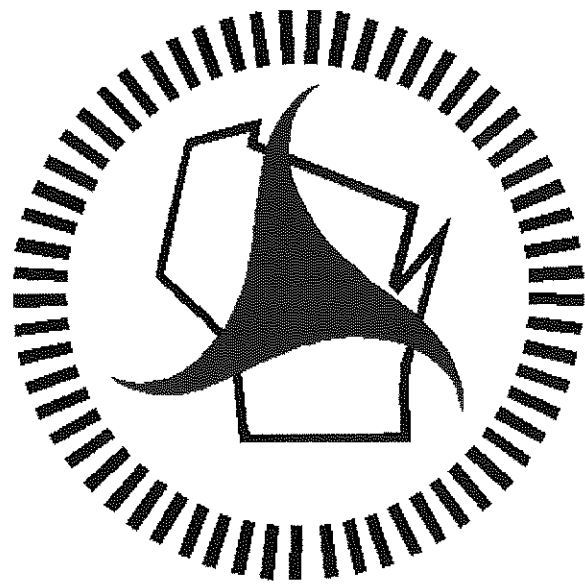




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Notes



Wisconsin Department of Transportation

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<http://www.dot.wisconsin.gov>