PROJECT ID: 9190-26-73

WITH: N/A

COUNTY: OCONTO

ORDER OF SHEETS

TOTAL SHEETS =

N

DESIGN DESIGNATION

A.A.D.T.	(2021)	=	2,500
A.D.T.	(2041)	=	3,400
D.H.V.		=	400
D.D.		=	60/40
T.		=	10.2
DESIGN SPEED		=	55 MPH
ESALS		=	1,600,000

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 (300'EB')
- 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) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- OVERHEAD UTILITY (OH)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9190-26-73		

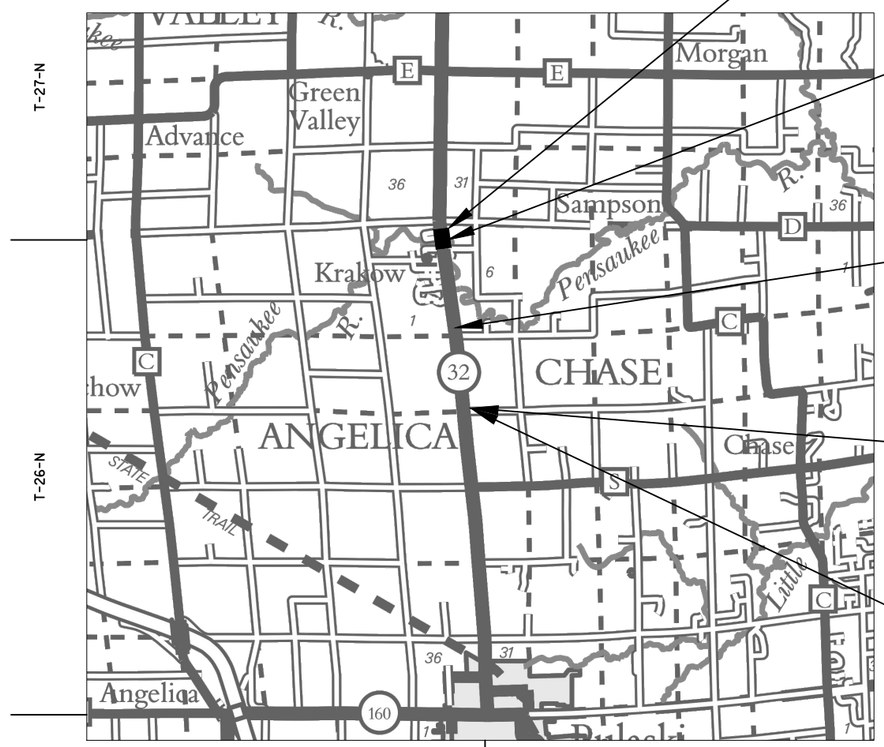
PULASKI - STH 22

PENSAUKEE RIVER BRIDGE REPLACEMENT

STH 32

OCONTO

STATE PROJECT NUMBER
9190-26-73



END PROJECT
STA. 323+00

STRUCTURE B-58-130
STRUCTURE R-58-11

STRUCTURE C-58-019

STRUCTURE C-58-018

BEGIN PROJECT
STA. 189+51
N=120642.9813
E=512056.2503

LAYOUT
SCALE 0 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 0.081

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT NE REGION
Designer	Q. CREAPEAU
Project Manager	P. ZOELLNER
Regional Examiner	
Regional Supervisor	D. SEGERSTROM

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

E

2

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.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE WORKING DAYS PRIOR TO BEGINNING WORK.

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

NEW PAVEMENT, BEAM GUARD, AND OTHER FACILITY LOCATIONS GIVEN IN THESE PLANS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD PRIOR TO PLACEMENT OR INSTALLATION.

THE EXACT LOCATIONS AND DIMENSIONS OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL DRIVEWAYS AND FIELD ENTRANCES SHALL BE REPLACED IN KIND.

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
ATTN: JIM DOPERALSKI
PHONE: (920) 412-0165
E-MAIL: JAMES.DOPERALSK@WISCONSIN.GOV

NE REGION SURVEY CONTACT

CORMAC MCINNIS
DEPARTMENT OF TRANSPORTATION
NORTHEAST REGION
944 VANDERPERREN WAY
GREEN BAY, WI 54304
PHONE: (920) 492-5638
E-MAIL: CORMAC.MCINNIS@DOT.WI.GOV

UTILITIES

CENTURYTEL OF THE MIDWEST-KENDALL, LLC
COMMUNICATION LINE
CONTACT: KEVIN ZICKERT
224 INDUSTRIAL DR
NORTH PRAIRIE, WI 53153
(262) 392-5200 (W) (PRIMARY)
KEVIN.ZICKERT@CENTURYLINK.COM

NORTHEAST TELEPHONE COMPANY LLC
COMMUNICATION LINE
CONTACT: CHRIS HINES
5475 GLENDALE AVE
GREEN BAY, WI 54313
(920) 865-3166 (W) (PRIMARY)
CHRIS.HINES@NSIGHT.COM

CCI SYSTEMS, INC
COMMUNICATION LINE
CONTACT: WAYNE CRETTON
105 KENT ST
BOX 190
IRON MOUNTAIN, MI 49801
(920) 282-3768 (W) (PRIMARY)
WAYNE.CRETTON@PACKERLANDBROADBAND.COM

OCONTO ELECTRIC COOPERATIVE
ELECTRICITY
CONTACT: JACK PARDY
7479 REA RD
OCONTO FALLS, WI 54154
(920) 846-2816 (W) (PRIMARY)
(920) 373-8524 (M) (PRIMARY)
JPARDY@OCONTOELECTRIC.COM

WISCONSIN ELECTRIC POWER COMPANY
ELECTRICITY, GAS/PETROLEUM
CONTACT: DAN SANDE
333 W EVERETT ST
MILWAUKEE, WI 53203
(414) 221-4578 (W) (PRIMARY)
(414) 550-4993 (M) (PRIMARY)
(414) 221-2336 (F) (PRIMARY)
DAN.SANDE@WE-ENERGIES.COM

KRAKOW SANITARY DISTRICT
SEWER
CONTACT: DAN COTA
BOX 171
KRAKOW, WI 54137
(920) 899-3652 (W) (PRIMARY)
KRAKOWSANITARY@YAHOO.COM

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2

2

N

END PROJECT 9190-26-73
STA 323+00

STRUCTURE B-58-130
STA 258+50

STRUCTURE B-58-130
STA 189+51

LAKE SANDIA RD
CENTER ST
MAIN ST
HOFF ST
TOWN LINE RD
FUNK RD
CTH E (MORGAN RD)

DEER DR
MIDDLE DR

32

S CHASE RD
YUREK RD
CTH S
VANDORNICK RD
GOHR RD
DUDZIK RD
SCHROEDER RD
CTH E (ADVANCE RD)

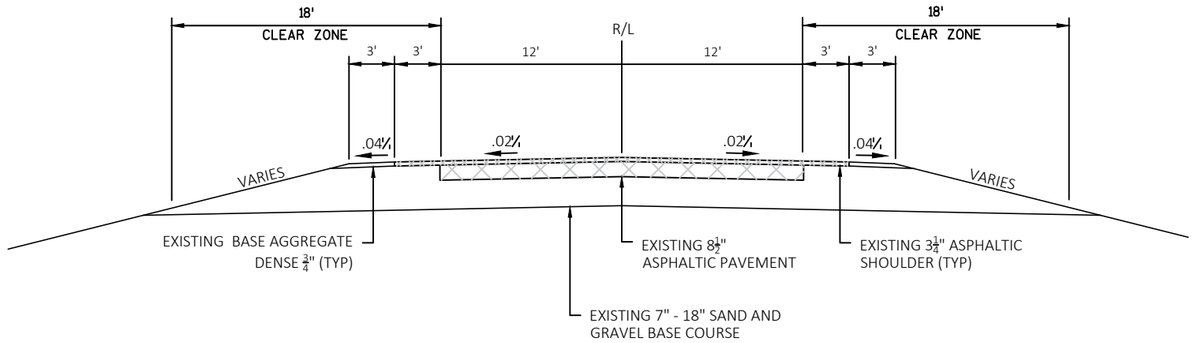
STRUCTURE B-58-130
STA 319+97.75 TO STA 320+92.25

STRUCTURE R-58-11
STA 320+93 TO STA 322+17.54

BEGIN PROJECT 9190-26-73
STA 189+51

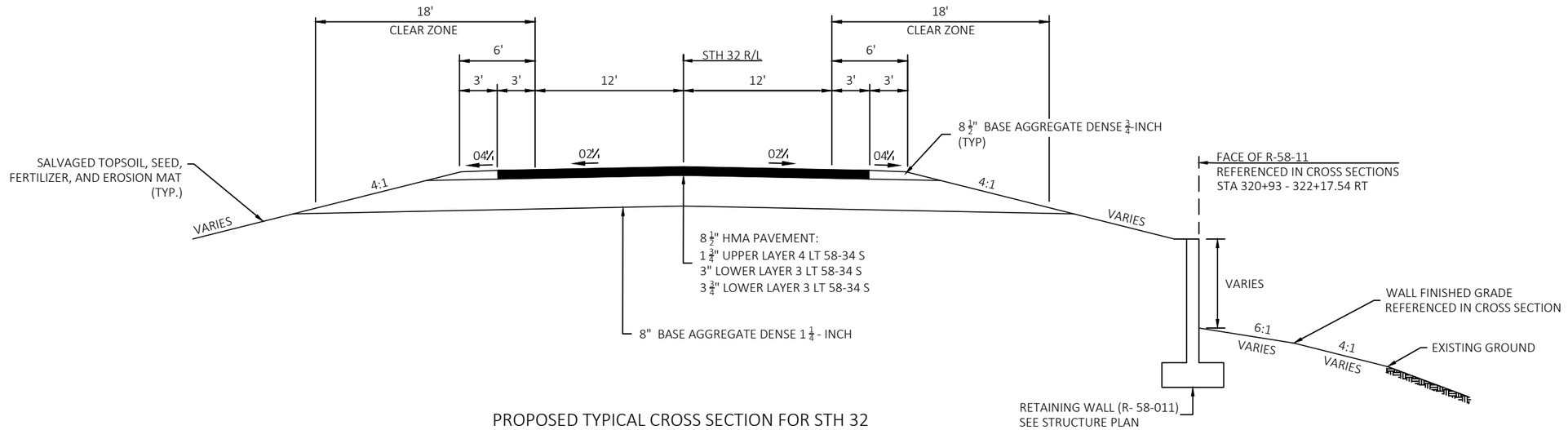
PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	PROJECT OVERVIEW	SHEET	E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - Plan 1 IN 0.5 MI
PLOT DATE : 10/2/2018 8:21 AM
PLOT BY : SPIELMACHER, JOHN P
PLOT NAME :
PLOT SCALE : 1 IN:0.5 MI
WISDOT/CADDS SHEET 42



EXISTING TYPICAL CROSS SECTION FOR STH 32

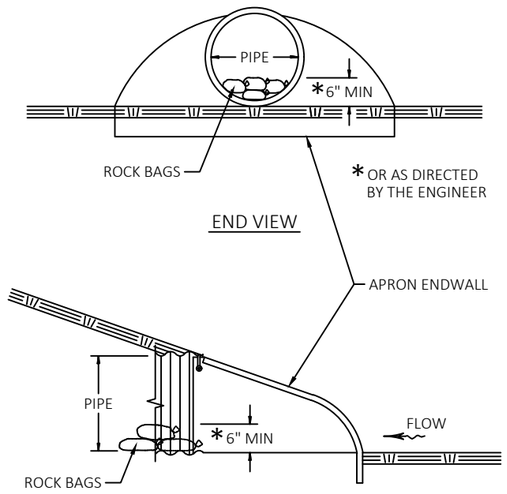
STA 317+42 - 320+10
STA 320+76 - 323+00



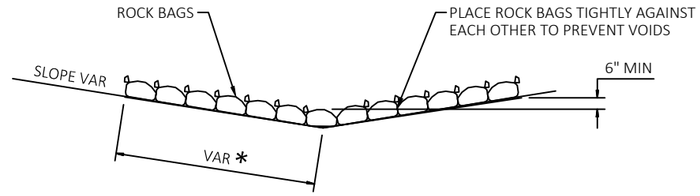
PROPOSED TYPICAL CROSS SECTION FOR STH 32

STA 317+42 - 317+71 SHOULDER LT ONLY
STA 317+71 - 319+97.75
STA 320+92.25 - 322+00
STA 322+00 - 322+81 SHOULDERS LT & RT ONLY
STA 322+81 - 323+00 SHOULDER RT ONLY

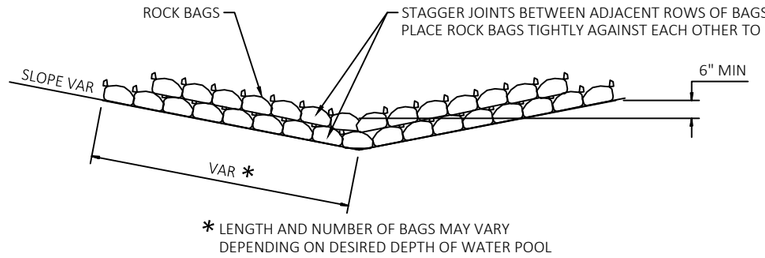
PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	PLAN: TYPICAL SECTION	SHEET	E



CULVERT PIPE CHECKS



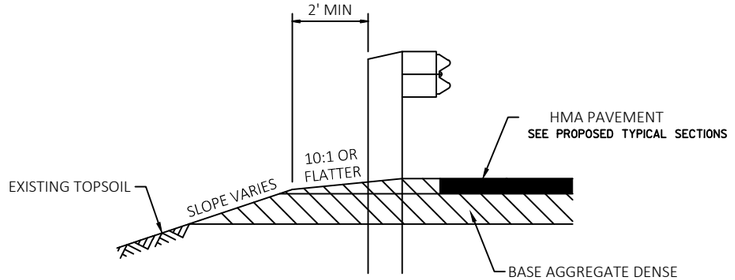
SIDE VIEW (SINGLE LAYER)



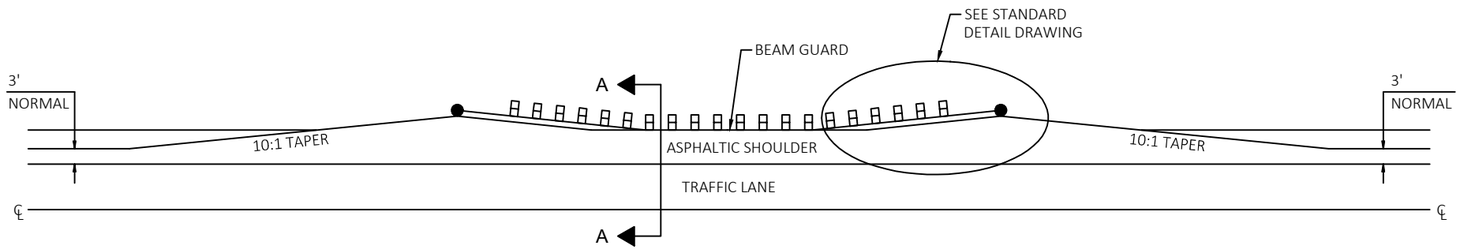
SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS DITCH CHECK

PAID AS ROCK BAGS



SECTION A-A



DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	PLAN: CONSTRUCTION DETAILS	SHEET	E

2

LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- TURBIDITY BARRIER*
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

* NOTE:
SEE SDD 8E11 TURBIDITY BARRIER FOR MINIMUM BARRIER HEIGHT.
SEE STRUCTURE B-58-130 GENERAL PLAN FOR HYDRAULIC DATA.

N

POOL

PENSAUKEE RIVER

TLE

EX. R/W

EX. R/W

B-58-525
TO BE REMOVED

B-58-130

STH 32

318+00

319+00

320+00

321+00

322+00

323+00

STH 32

R-58-11

EX. R/W

TLE

EX. R/W

TLE

UNNAMED
TRIBUTARY

WETLAND
(TYP.)

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	EROSION CONTROL PLAN	SHEET	E

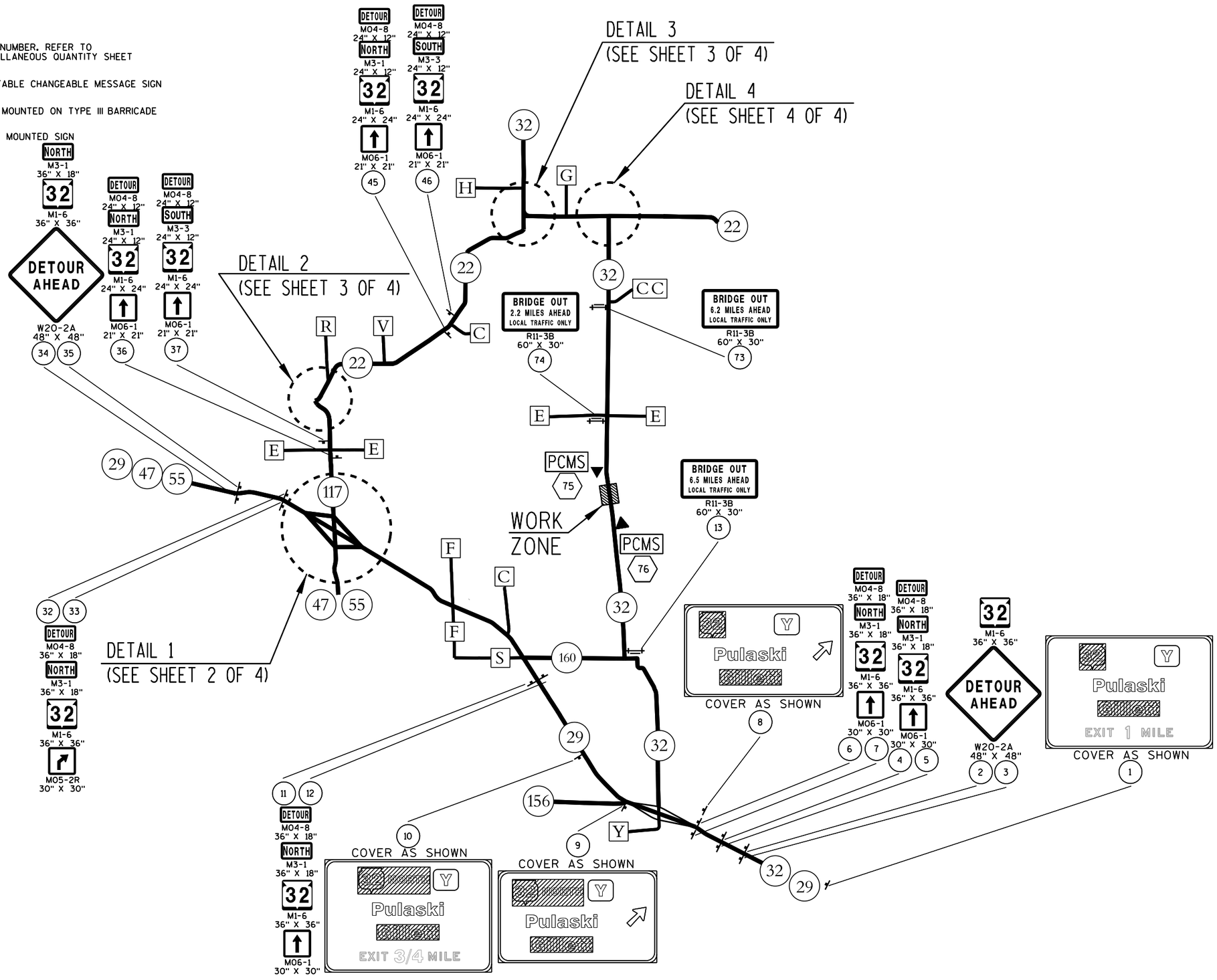
FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001

PLOT DATE : 10/12/2018 3:40 PM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN



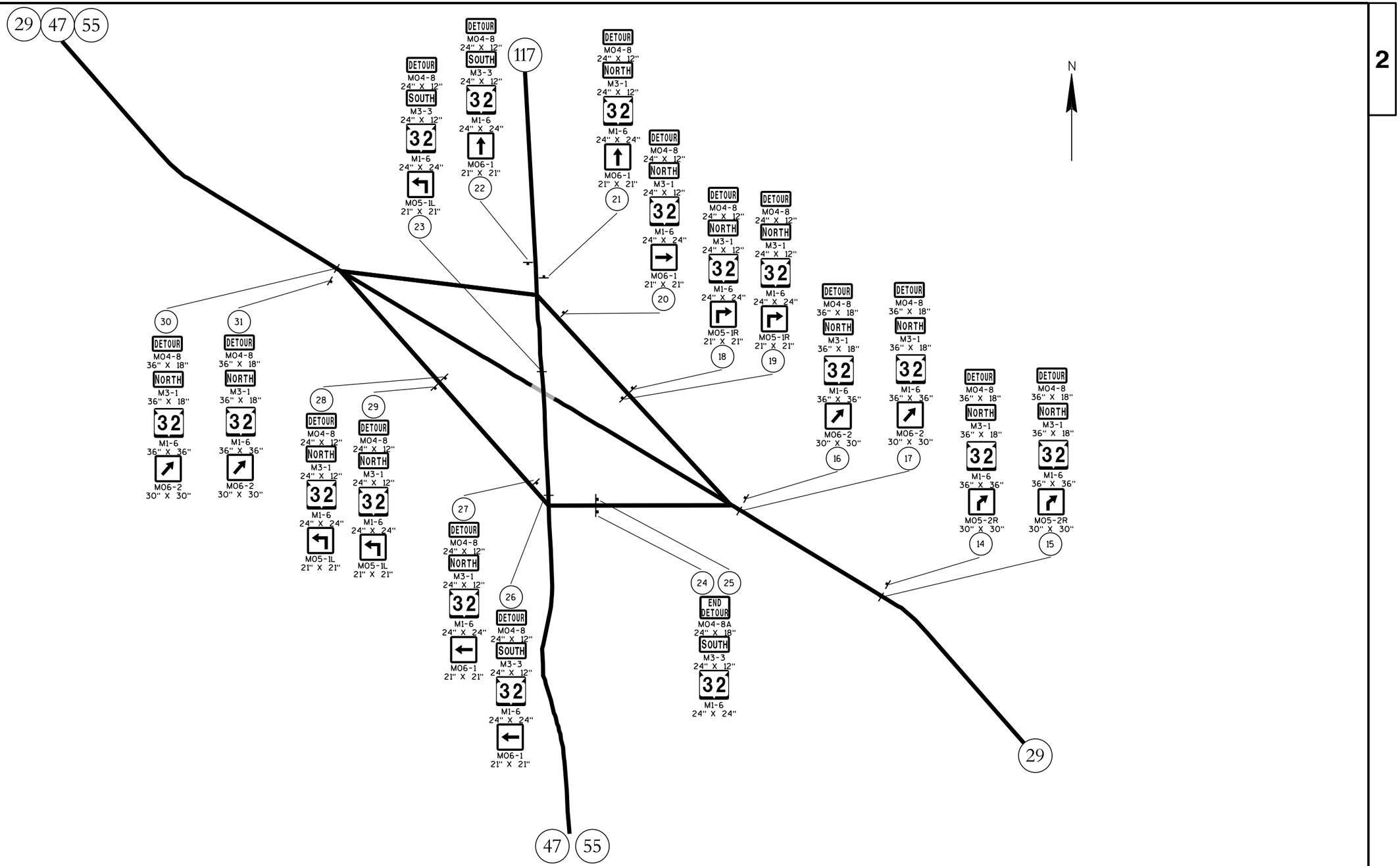
SHEET 1 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	DETOUR SIGNING DETAIL	SHEET	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Oconto County\STH 32\Chase - STH 22\027001_dt.dgn PLOT DATE : 15-NOV-2017 13:11 PLOT BY : dotjlf PLOT NAME : PLOT SCALE : 700:1

WISDOT/CADDS SHEET 42



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 1

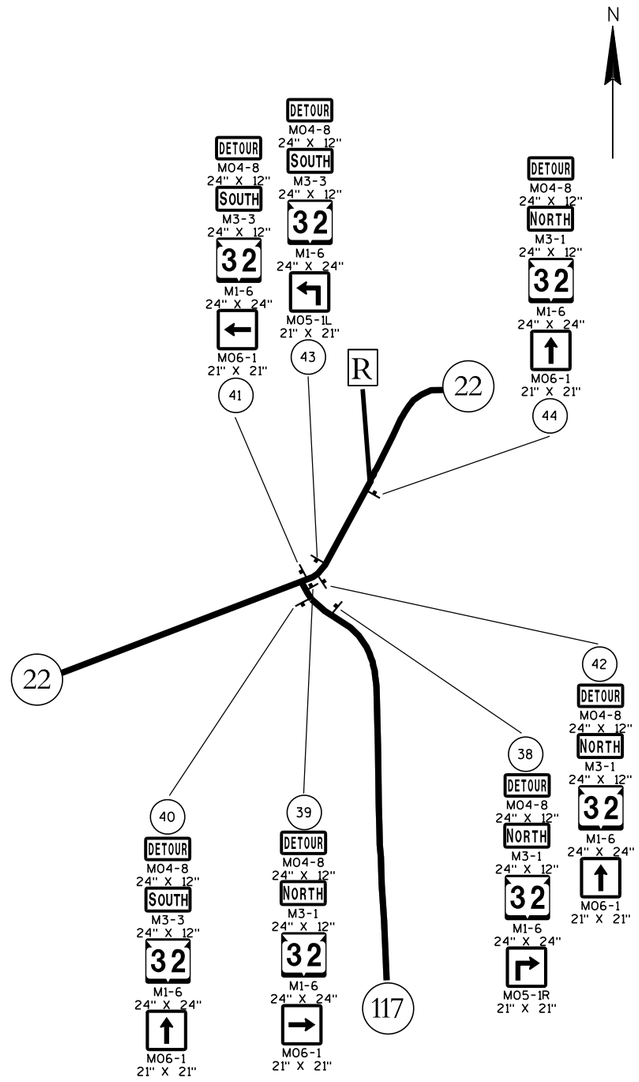
SHEET 2 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9190-24-73	HWY: STH 32	COUNTY: OCONTO	DETOUR SIGNING DETAIL	SHEET	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Oconto County\STH 32\Chase - STH 22\027002_dt.dgn PLOT DATE : 15-NOV-2017 13:11 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 350:1

WISDOT/CADDS SHEET 42



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 2

DETAIL 3

SHEET 3 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

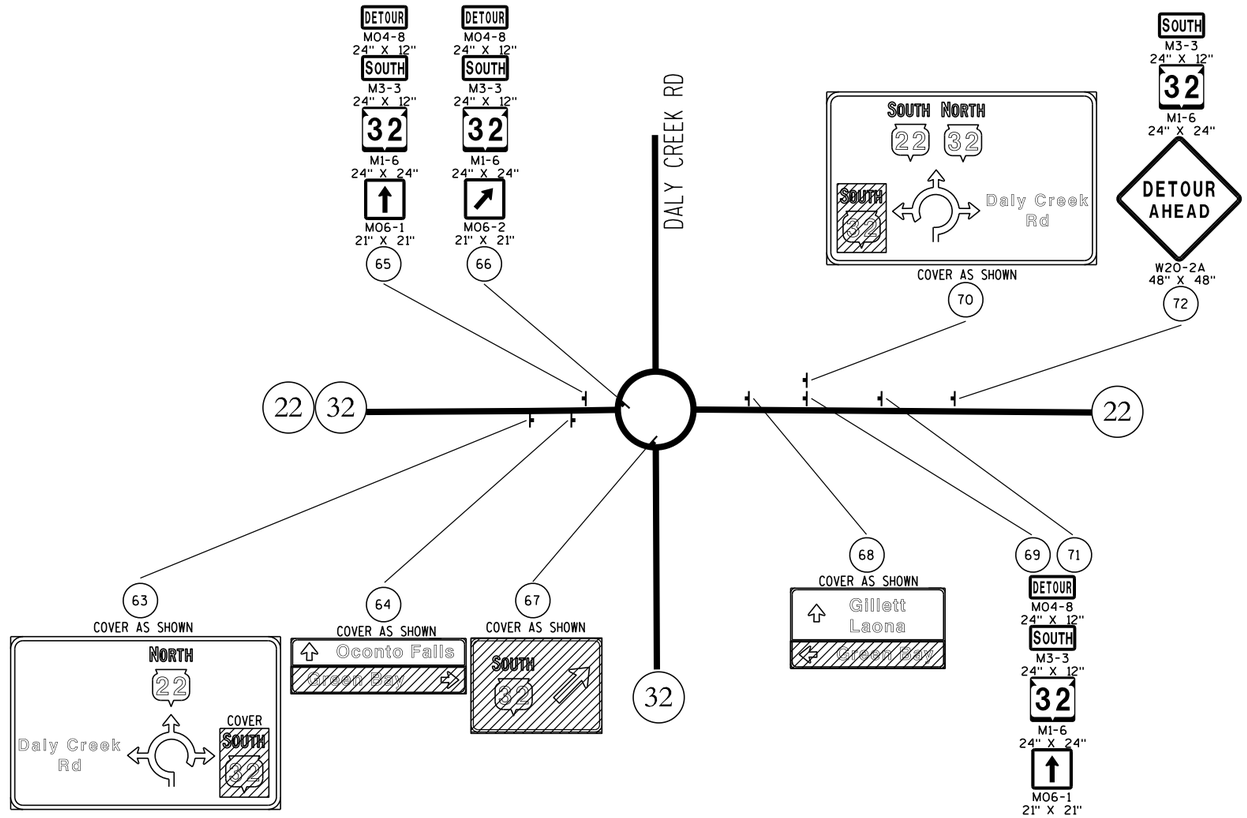
PROJECT NO: 9190-24-73	HWY: STH 32	COUNTY: OCONTO	DETOUR SIGNING DETAIL	SHEET	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Oconto County\STH 32\Chase - STH 22\027003_dt.dgn PLOT DATE : 15-NOV-2017 13:11 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 350:1

WISDOT/CADDS SHEET 42

2

N



DETAIL 4

LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

SHEET 4 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9190-24-73	HWY: STH 32	COUNTY: OCONTO	DETOUR SIGNING DETAIL	SHEET	E

2

TRAFFIC CONTROL DETOUR SIGN SUMMARY - INFORMATION ONLY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	STH 29/32, COVER ADVANCED WB GROUND MOUNT SIGN AS SHOWN									1	1		COVER SIGN AS SHOWN
2	STH 29/32, PLACE 1500' PRIOR TO RAMP DIVERGE ON RIGHT SIDE	M 1-6	36"X36"	1	100	100							
	"	W 20-2A	48"X48"	1	100	100							
3	STH 29/32, PLACE 1500' PRIOR TO RAMP DIVERGE ON MEDIAN SIDE	M 1-6	36"X36"	1	100	100							
	"	W 20-2A	48"X48"	1	100	100							
4	STH 29/32, PLACE 750' PRIOR TO RAMP DIVERGE ON RIGHT SIDE	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-1	30"X30"	1	100	100							AHEAD
5	STH 29/32, PLACE 750' PRIOR TO RAMP DIVERGE ON MEDIAN SIDE	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-1	30"X30"	1	100	100							AHEAD
6	STH 29/32, PLACE ADJACENT TO EXISTING TYPE I SIGN	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-1	30"X30"	1	100	100							AHEAD
7	STH 29/32, PLACE IN MEDIAN ACROSS FROM SIGN #6	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-1	30"X30"	1	100	100							AHEAD
8	STH 29/32, COVER AT-GORE WB GROUND MOUNT SIGN AS SHOWN									1	1		COVER SIGN AS SHOWN
9	STH 29, COVER AT-GORE EB GROUND MOUNT AS SHOWN									1	1		COVER SIGN AS SHOWN
10	STH 29, COVER ADVANCED EB GROUND MOUNT SIGN AS SHOWN									1	1		COVER SIGN AS SHOWN
11	STH 29, PLACE ADJACENT TO EXISTING TYPE I SIGN @ STH 160 GORE - MEDIAN	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-1	30"X30"	1	100	100							AHEAD
12	STH 29, PLACE ADJACENT TO EXISTING TYPE I SIGN @ STH 160 GORE	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-1	30"X30"	1	100	100							AHEAD
13	STH 32, PLACE IN TERRACE, JUST N. OF STH 160 INTERSECTION	R 11-3B	60"X30"	1	100	100	100	200					6.5 MILES AHEAD
14	STH 29, PLACE 1000' PRIOR TO RAMP DIVERGE ON RIGHT SIDE	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 5-2R	30"X30"	1	100	100							
15	STH 29, PLACE 1000' PRIOR TO RAMP DIVERGE ON MEDIAN SIDE	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 5-2R	30"X30"	1	100	100							
PAGE SUBTOTALS				37		3,700	100	200	0		4	0	

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	TRAFFIC CONTROL DETOUR SIGN SUMMARY – INFORMATION ONLY	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

TRAFFIC CONTROL DETOUR SIGN SUMMARY - INFORMATION ONLY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
16	STH 29, PLACE ADJACENT TO EXISTING TYPE I SIGN @ STH 117 GORE	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-2	30"X30"	1	100	100							TILT RIGHT
17	STH 29, PLACE ACROSS FROM SIGN #16 - MEDIAN SIDE	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-2	30"X30"	1	100	100							TILT RIGHT
18	STH 29 OFF-RAMP TO STH 117, PLACE 600' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1R	21"X21"	1	100	100							
19	STH 29 OFF-RAMP TO STH 117, PLACE ACROSS FROM SIGN #18	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1R	21"X21"	1	100	100							
20	STH 29 OFF-RAMP TO STH 117, PLACE RIGHT OF EXISTING J3-2 SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							RIGHT
21	STH 117, PLACE 200' N. OF STH 29 OFF-RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
22	STH 117, PLACE 300' N. OF STH 29 RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
23	STH 117, PLACE ON BACK OF EXISTING LEFT TURN LANE SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1L	21"X21"	1	100	100							
24	STH 117 ON-RAMP TO STH 29, PLACE 400' DOWN RAMP	MO 4-8A	24"X18"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
25	STH 117 ON-RAMP TO STH 29, PLACE ACROSS FROM SIGN #24	MO 4-8A	24"X18"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
26	STH 117, MOUNT ON BACK OF EXISTING KEEP RIGHT SIGN @ STH 29 EB RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							LEFT
27	STH 29 OFF-RAMP TO STH 117, PLACE 200' W. OF RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							LEFT
	PAGE SUBTOTALS			46		4,600	0	0	0		0	0	

2

TRAFFIC CONTROL DETOUR SIGN SUMMARY - INFORMATION ONLY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
28	STH 29 OFF-RAMP TO STH 117, PLACE 500' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1L	21"X21"	1	100	100							
29	STH 29 OFF-RAMP TO STH 117, PLACE ACROSS FROM SIGN #28	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1L	21"X21"	1	100	100							
30	STH 29, AT STH 117 EXIT RAMP, PLACE ACROSS FROM SIGN #31	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-2	30"X30"	1	100	100							TILT RIGHT
31	STH 29, AT STH 117 EXIT RAMP, PLACE ADJACENT TO TYPE I GROUND MOUNT SIGN	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 6-2	30"X30"	1	100	100							TILT RIGHT
32	STH 29, PLACE 750' PRIOR TO STH 117 EXIT - MEDIAN	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 5-2R	30"X30"	1	100	100							
33	STH 29, PLACE 750' PRIOR TO STH 117 EXIT - RIGHT SHOULDER	MO 4-8	36"X18"	1	100	100							
	"	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	MO 5-2R	30"X30"	1	100	100							
34	STH 29, PLACE 1500' PRIOR TO STH 117 EXIT - RIGHT SHOULDER	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	W 20-2A	48"X48"	1	100	100							
35	STH 29, PLACE 1500' PRIOR TO STH 117 EXIT - MEDIAN	M 3-1	36"X18"	1	100	100							
	"	M 1-6	36"X36"	1	100	100							32
	"	W 20-2A	48"X48"	1	100	100							
36	STH 117, PLACE 400' PRIOR TO CTH E INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
37	STH 117, PLACE 400' PRIOR TO CTH E INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
38	STH 117, PLACE RIGHT OF EXISTING J2-2 SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1R	21"X21"	1	100	100							
	PAGE SUBTOTALS			42		4,200	0	0	0		0	0	

2

TRAFFIC CONTROL DETOUR SIGN SUMMARY - INFORMATION ONLY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
39	STH 117, PLACE 175' PRIOR TO STH 22 INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							RIGHT
40	STH 117, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
41	STH 22, PLACE 200' PRIOR TO STH 117 INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							LEFT
42	STH 22, PLACE 150' E. OF STH 117 INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
43	STH 22, PLACE RIGHT OF EXISTING J2-2 SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1L	21"X21"	1	100	100							
44	STH 22, PLACE 175' S. OF CTH R	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
45	STH 22, PLACE 300' S. OF CTH C	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
46	STH 22, PLACE 300' N. OF CTH C	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
47	STH 22, PLACE 400' S. OF CTH U	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-2	21"X21"	1	100	100							TILT RIGHT
48	STH 22, PLACE 600' N. OF CTH U	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-2	21"X21"	1	100	100							TILT LEFT
49	STH 22, PLACE 350' S. OF GARDEN ST	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-2L	21"X21"	1	100	100							
	PAGE SUBTOTALS			44		4,400	0	0	0		0	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY - INFORMATION ONLY

2

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
50	STH 22, PLACE 150' S. OF GARDEN ST	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
51	STH 22, MOUNT ABOVE EXISTING J13-2 ON LIGHT POLE AT CTH BB	MO 4-8	24"X12"	1	100	100							
	"	M 3-1	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-2	21"X21"	1	100	100							TILT LEFT
52	STH 22, PLACE 500' N. OF CTH BB/E MAIN ST INTERSECTION	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1R	21"X21"	1	100	100							
53	STH 22, MODIFY EXISTING J1-1 SIGN AS SHOWN	MO 4-8A	24"X18"	1	100	100							
54	STH 22/STH 32, COVER EXISTING J3-2 SIGN AS SHOWN									1		1	COVER "S 32 LT"
55	STH 22, PLACE RIGHT OF EXISTING J2-2 SIGN AS SHOWN	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 5-1L	21"X21"	1	100	100							
56	STH 22/32, COVER EXISTING J4-2 SIGN AS SHOWN												COVER "SOUTH 32"
57	STH 22/32, PLACE LEFT OF EXISTING J3-1 SIGN (N-32-TILT RIGHT)	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
58	STH 22/32, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	100	100							
	"	MO 6-1	21"X21"	1	100	100							AHEAD
59	STH 22/32, PLACE IN GORE BETWEEN STH 32/STH 22 SPLIT	M 1-6	24"X24"	1	100	100							
	"	R 11-3B	60"X30"	1	100	100							12 MILES AHEAD
	"	M 4-9R	30"X24"	1	100	100							
60	STH 32, PLACE 650' PRIOR TO STH 32/STH 22 SPLIT	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
61	STH 32, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	100	100							
	"	MO 6-1	21"X21"	1	100	100							
62	STH 32, PLACE 1000' N. OF STH 32/STH 22 SPLIT	W 20-2A	48"X48"	1	100	100							
63	STH 22/STH 32, COVER EXISTING D1-62 AS SHOWN									1		1	COVER "SOUTH 32"
64	STH 22/STH 32, COVER EXISTING D1-2 AS SHOWN									1		1	COVER "GREEN BAY"
65	STH 22/STH 32, PLACE TO RIGHT OF EXISTING J4-2 SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
66	STH 22/STH 32, PLACE ABOVE EXISTING D1-1 SPLITTER ISLAND SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-2	21"X21"	1	100	100							TILT RIGHT
	PAGE SUBTOTALS			41		4,100	0	0	0		0	3	

2

TRAFFIC CONTROL DETOUR SIGN SUMMARY - INFORMATION ONLY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
67	STH 32, COVER EXISTING D1-1 SPLITTER ISLAND SIGN									1		1	COVER ENTIRE SIGN
68	STH 22, E. OF STH 32, COVER EXISTING D1-2 SIGN									1		1	COVER "GREEN BAY"
69	STH 22, E. OF STH 32, PLACE ADJACENT TO EXISTING D1-62 SIGN	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
70	STH 22, E. OF STH 32, COVER EXISTING D1-62 SIGN AS SHOWN									1		1	COVER "SOUTH 32"
71	STH 22, PLACE 1200' E. OF STH 32	MO 4-8	24"X12"	1	100	100							
	"	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	MO 6-1	21"X21"	1	100	100							AHEAD
72	STH 22, PLACE 1600' E. OF STH 32	M 3-3	24"X12"	1	100	100							
	"	M 1-6	24"X24"	1	100	100							32
	"	W 20-2A	48"X48"	1	100	100							
73	STH 32, PLACE JUST S. OF CTH CC INTERSECTION	R 11-3B	60"X30"	1	100	100	100	200					6.2 MILES AHEAD
74	STH 32, PLACE JUST S. OF CTH E INTERSECTION	R 11-3B	60"X30"	1	100	100	100	200					2.2 MILES AHEAD
75	STH 32, PLACE JUST N. OF STRUCTURE, FIELD DETERMINED	PCMS							7				
76	STH 32, PLACE JUST S. OF STRUCTURE, FIELD DETERMINED	PCMS							7				
	PAGE SUBTOTALS			13		1,300	200	400	14		0	3	
	DETOUR TOTALS			**223**		**22,300**	**300**	**600**	**14**		**4**	**6**	

3

CLEARING & GRUBBING

STATION	TO	STATION	LOCATION	201.0120 CLEARING STA	201.0220 GRUBBING STA	REMARKS
317+00	-	324+00	STH 32 - LT & RT	7	7	INCLUDES TLE AREAS AS NEEDED
			TOTAL	**7**	**7**	

REMOVING SMALL CULVERTS

STATION	LOCATION	203.0100 EACH	REMARKS
323+52	STH 32 - RT	1	PE
	TOTAL	**1**	

REMOVING GUARDRAIL

STATION	TO	STATION	LOCATION	204.0165 LF
317+16	-	320+11	STH 32 - LT	295
317+53	-	320+11	STH 32 - RT	258
320+75	-	322+57	STH 32 - LT	182
320+75	-	323+07	STH 32 - RT	232
			TOTAL	**967**

3

BASE AGGREGATE SUMMARY

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL
317+42	-	317+71	STH 32 - SHLDR LT	5	15	0
317+71	-	319+97.75	STH 32 - LT & RT	107	535	6
320+92.25	-	322+00	STH 32 - LT & RT	46	241	3
322+00	-	322+81	STH 32 - SHLDR LT & RT	45	107	2
322+81	-	323+00	STH 32 - SHLDR RT	5	11	0
323+50	-	323+77	PE STH 32 - RT	0	14	0
			TOTAL	**208**	**923**	**11**

HMA SUMMARY

STATION	TO	STATION	LOCATION	460.5243 HMA PAVEMENT 3 LT 58-34 S TON	460.5244 HMA PAVEMENT 4 LT 58-34 S TON	455.0605 TACK COAT GAL	REMARKS
317+42	-	317+71	STH 32 - RT	5	1	1	BEAMGUARD APPROACH ONLY
317+71	-	319+98	STH 32 - LT & RT	332	84	43	S SIDE OF STRUCTURE FULL WIDTH
320+92	-	322+00	STH 32 - LT & RT	162	41	21	N SIDE OF STRUCTURE FULL WIDTH
322+00		323+00	STH 32 - LT	24	6	3	BEAMGUARD APPROACH ONLY
322+00	-	323+00	STH 32 - RT	23	6	3	BEAMGUARD APPROACH ONLY
			TOTAL	**545**	**138**	**71**	

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION	TO	STATION	LOCATION	465.0120 TON	REMARKS
323+50	-	323+77	STH 32 - RT	2	MATCH EXIST. WIDTH & HMA DEPTH
			TOTAL	**2**	

CULVERT PIPE SUMMARY

STATION	LOCATION	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	REMARKS
323+52	STH 32 - RT	20	2	PE - MATCH EXISTING INVERTS
	TOTAL	**20**	**2**	

BEAM GUARD SUMMARY

STATION	TO	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
318+63	-	319+89	STH 32 - LT	87	40	1
317+76	-	319+89	STH 32 - RT	174	40	1
321+01	-	322+72	STH 32 - LT	132	40	1
320+89	-	323+46	STH 32 - RT	218	40	1
			TOTAL	**611**	**160**	**4**

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

EROSION CONTROL & LANDSCAPING SUMMARY

STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	628.1504 SILT FENCE DELIVERED LF	628.1520 SILT FENCE MAINTENANCE LF	628.2023 EROSION MAT CLASS II TYPE B SY	628.6005 TURBIDITY BARRIERS SY	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIX. NO. 20 LB
317+40	-	320+30	STH 32 - LT	710	270	270	710	55		25	0.4	19
317+60	-	320+30	STH 32 - RT	520	240	240	520	70		20	0.3	14
320+60	-	323+00	STH 32 - LT	345	240	240	345	60	1	20	0.2	9
320+60	-	323+30	STH 32 - RT	470	210	210	470	55	1	20	0.3	13
	-		UNDISTRIBUTED	511	240	240	511	60		21	0.3	14
			TOTALS	**2556**	**1200**	**1200**	**2556**	**300**	**2**	**106**	**1.6**	**69**

EROSION CONTROL MOBILIZATIONS

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
PROJECT	5	3
TOTAL	**5**	**3**

SIGNS PORTABLE CHANGEABLE MESSAGE

LOCATION	643.1050 DAYS
STH 32 JUST NORTH OF STRUCTURE, FIELD DETERMINED	7
STH 32 JUST SOUTH OF STRUCTURE, FIELD DETERMINED	7
TOTAL	**14**

LOCATING NO-PASSING ZONES

LOCATION	648.0100 MI
PROJECT	0.08
TOTAL	

MARKING LINE EPOXY 4-INCH

646.1020

STATION	TO	STATION	LOCATION	WHITE LF	YELLOW LF	DASHED YELLOW 12.5-FT LINE 37.5-FT SKIP LF
317+71	-	322+00	EDGELINE - LT	429		
317+71	-	322+00	EDGELINE - LT	429		
317+71	-	322+00	CENTERLINE			107
317+71	-	320+75	CENTERLINE		304	
			SUBTOTALS	858	304	107
			TOTAL		**1269**	

SAWING ASPHALT

STATION	TO	STATION	LOCATION	690.0150 LF	REMARKS
317+71	-	317+71	STH 32	36	
322+00	-	322+00	STH 32	36	
323+60	-	323+71	STH 32 - RT	11	PE
		TOTAL		**83**	

CONSTRUCTION STAKING

STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.6500 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CNTRL (PROJECT) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
317+42	-	319+98	STH 32	256	256			256	
319+98	-	320+92	B-58-130			1			CATEGORY 0040
320+93	-	322+17	R-58-11			1			CATEGORY 0015
320+92	-	323+00	STH 32	208	208			208	
			TOTALS	**464**	**464**	**2**	**1**	**464**	

ALL ITEMS CATEGORY 0010
UNLESS OTHERWISE NOTED

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
9190-26-21		
FEDERAL PROJECT NUMBER	4.01	4

PLAT OF RIGHT OF WAY REQUIRED FOR

PULASKI - STH 22

CHASE ROAD - CTH "E"

STH 32 SHAWANO/OCONTO COUNTY

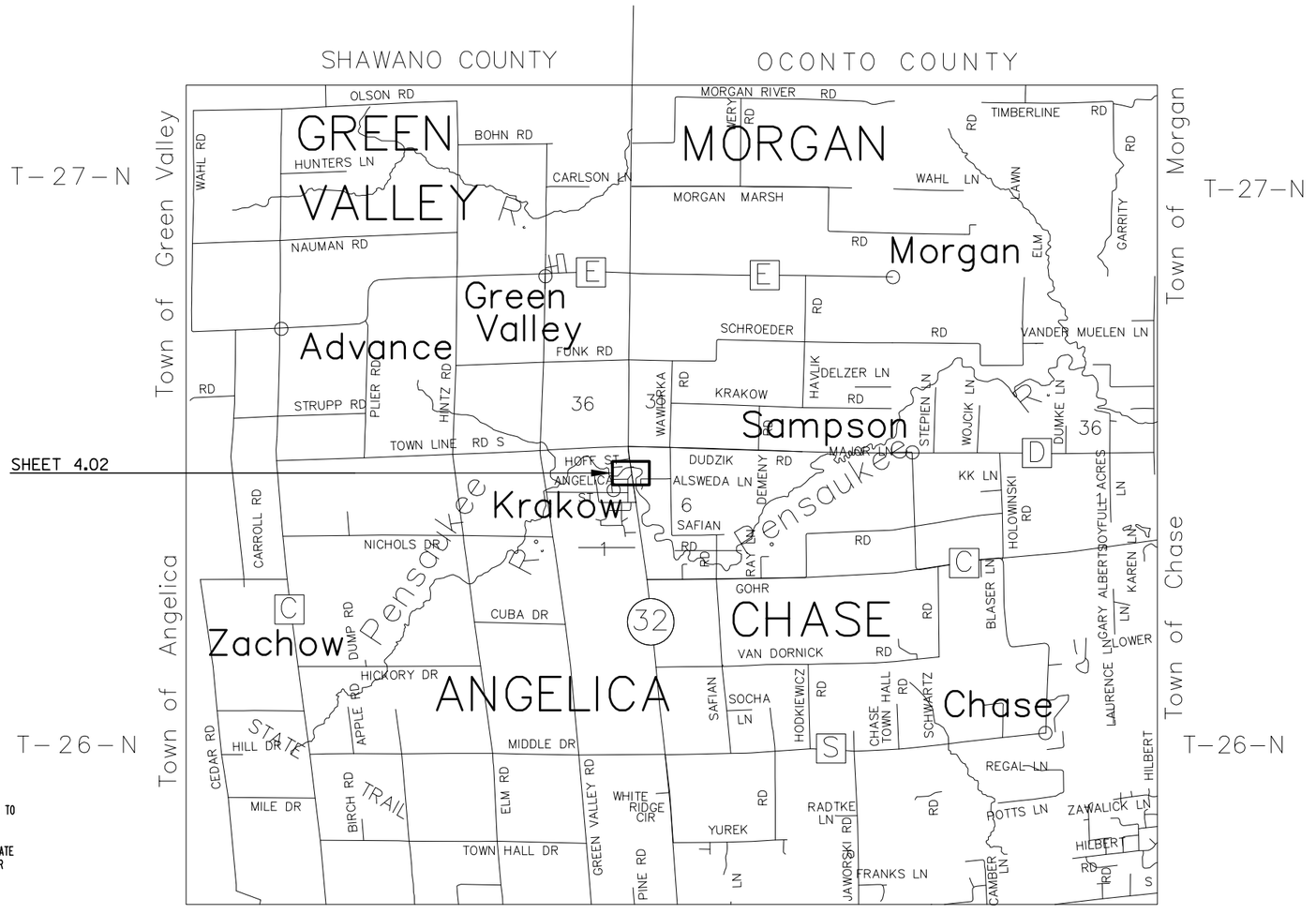
4

CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT	AP	**SECTION CORNER (MATERIAL AS NOTED)**	
ACCESS RIGHTS	AR	SET R/W MONUMENT W/CAP (1-¼" OUTSIDE DIA.x18" IRON PIPE 1.13 LBS/FT)	
ACRES	AC		
CHORD BEARING	CH BRG		
CHORD DISTANCE	CH DIS		
DEED	(D)	FOUND TYPE 2 MON.	
DOCUMENT	DOC	FOUND 3/4" REBAR	
EAST BOUND	EB	SET P.K. NAIL	
GAS VALVE	GV		
INLET	IL	**PROPOSED R/W BOUNDARY POINT**	PRW000
LENGTH OF CURVE	L		
MANHOLE	MH	CORPORATE LIMITS	
MONUMENT	MON	EXISTING R/W	
NORTH BOUND	NB	SECTION LINE	
PAGE	PG	QUARTER LINE	
PERMANENT	PERM	SIXTEENTH LINE	
PERMANENT LIMITED EASEMENT	PLE	PROPOSED OR NEW R/W LINE	
PRIVATE DRIVEWAY	PD	PROPOSED EASEMENT LINE	
PROPERTY LINE	PL		
RADIUS	RAD	PARCEL NUMBER	00
REFERENCE LINE	℄		
REMAINING	REM	UTILITY NUMBER	000
RIGHT OF WAY	R/W		
SECTION	SEC	SIGN NUMBER	0-0
SECTION LINE	℄		
FOUND IRON PIPE	IP	PROPERTY LINE	PL
STATION	STA		
TEMPORARY LIMITED EASEMENT	TLE	LOT, TIE AND OTHER MINOR DASHED LINES	
TIE POINT	DB1		
VOLUME	VOL	**ACCESS RESTRICTED** (By Previous Project Control)	
ADJOINING LANDS WITH SAME OWNER	00'	ACCESS RESTRICTED (By Acquisition)	
PARALLEL TO LINE		NO ACCESS (By Statutory Authority)	
BUILDING TO BE RAZED		LIMITED EASEMENT (Temporary)	
FEE ACQUISITION	VARIOUS HATCHING	LIMITED EASEMENT (Permanent)	
BEGIN POINT	BP		
END POINT	EP		

CONVENTIONAL UTILITY SYMBOLS

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



NOTES:

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

RIGHT OF WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO COMPLETION OF PROJECT.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE 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.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATES REFERENCE SYSTEM COORDINATES (WISCRS), OCONTO COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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 AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECT(S): 3844, CSMs AND PLAT OF SURVEYS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECT(S)/DOC.#:

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

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

LAYOUT

0 1.0 MI.

SCALE

TOTAL NET LENGTH OF CENTERLINE = 1.00 MI.

GN

WISCONSIN
GREGORY T. BELANGER
S-3055
GREEN BAY
WI
LAND SURVEYOR

Gregory T. Belanger

REVISION DATE

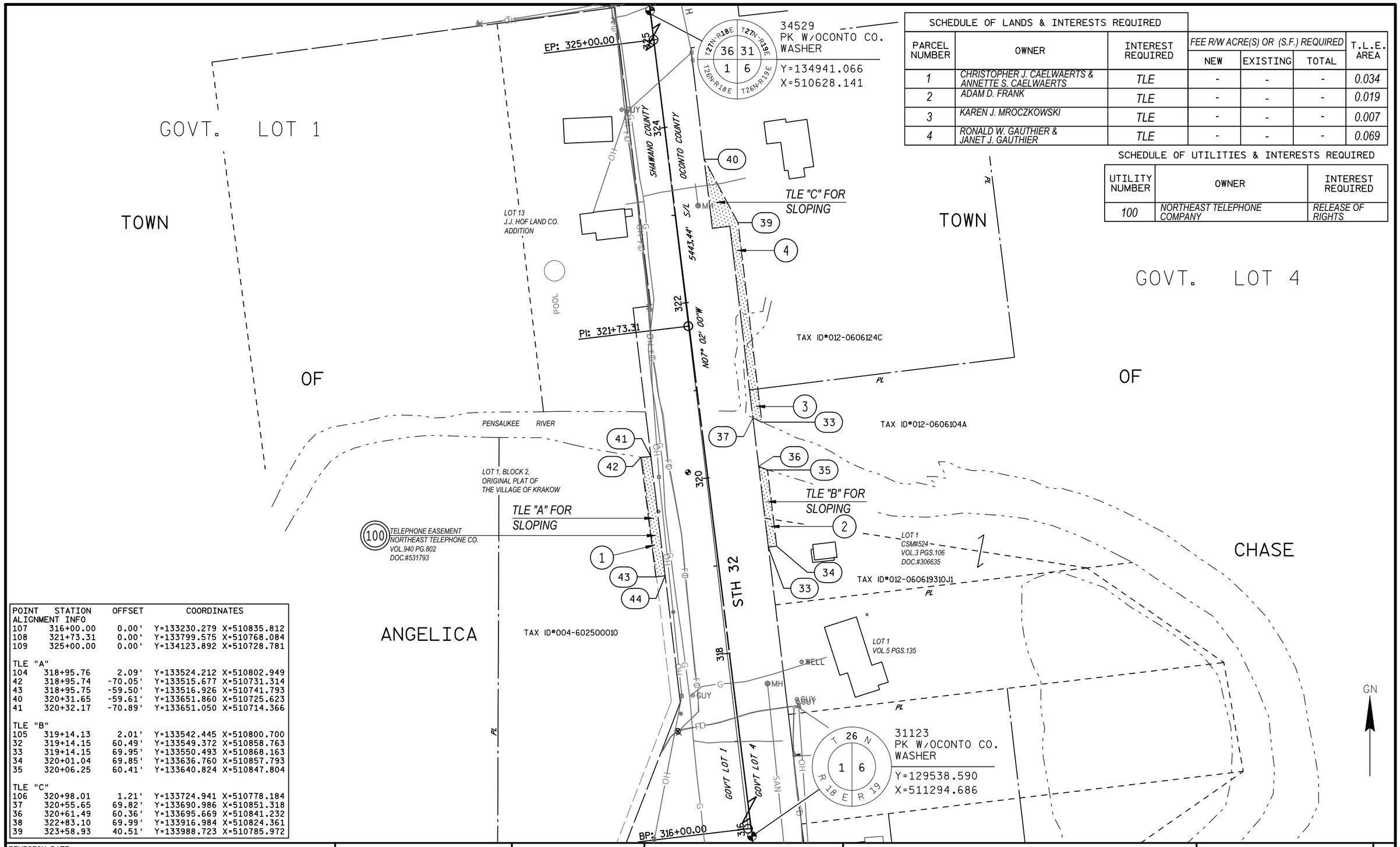
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED:

DATE: 3-28-2018 Curt Van Erem

CURT VAN EREM

WISDOT/CADDS SHEET 100



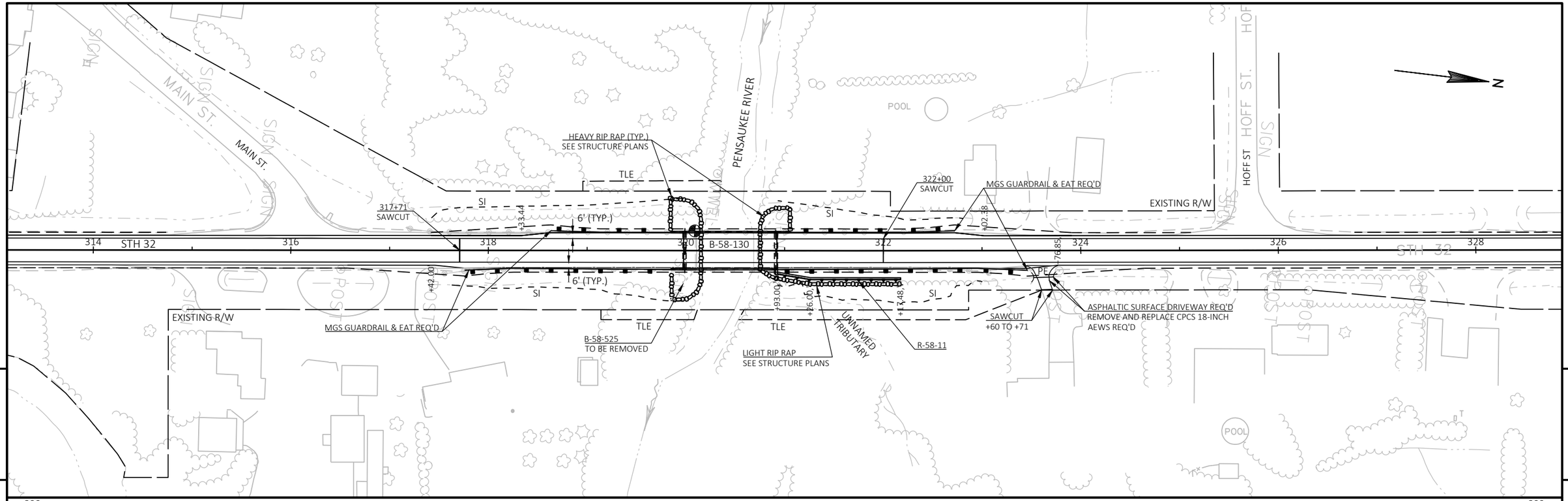
SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE R/W ACRE(S) OR (S.F.) REQUIRED			T.L.E. AREA
			NEW	EXISTING	TOTAL	
1	CHRISTOPHER J. CAELWAERTS & ANNETTE S. CAELWAERTS	TLE	-	-	-	0.034
2	ADAM D. FRANK	TLE	-	-	-	0.019
3	KAREN J. MROCZKOWSKI	TLE	-	-	-	0.007
4	RONALD W. GAUTHIER & JANET J. GAUTHIER	TLE	-	-	-	0.069

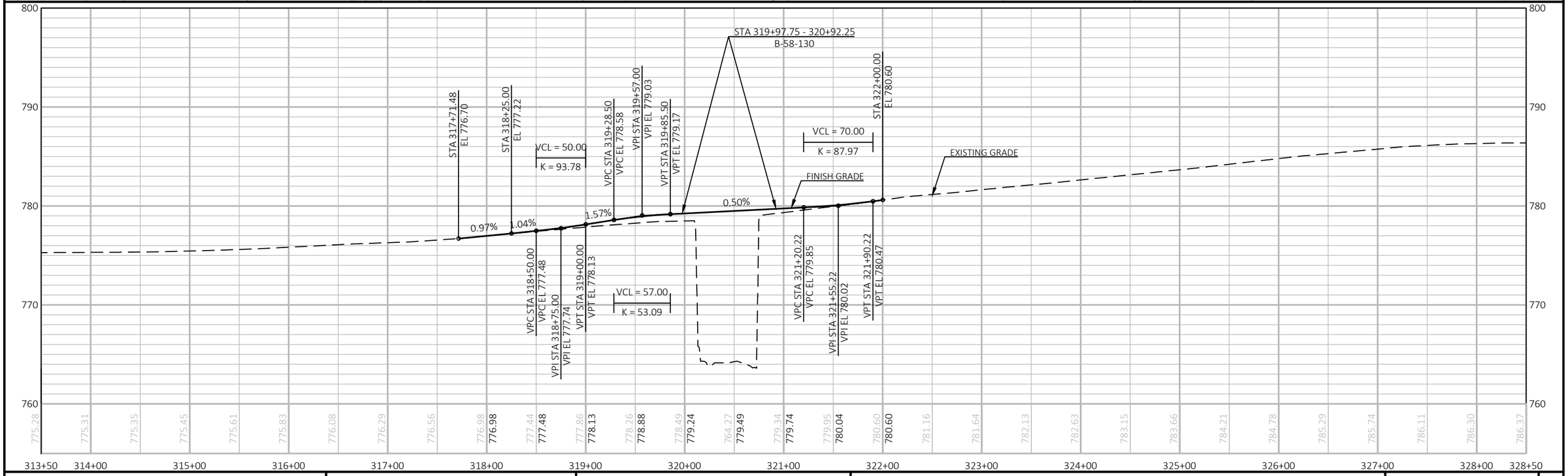
SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
100	NORTHEAST TELEPHONE COMPANY	RELEASE OF RIGHTS

POINT	STATION	OFFSET	COORDINATES
ALIGNMENT INFO			
107	316+00.00	0.00'	Y=133230.279 X=510835.812
108	321+73.31	0.00'	Y=133799.575 X=510768.084
109	325+00.00	0.00'	Y=134123.892 X=510728.781
TLE "A"			
104	318+95.76	2.09'	Y=133524.212 X=510802.949
42	318+95.74	-70.05'	Y=133515.677 X=510731.314
43	318+95.75	-59.50'	Y=133516.926 X=510741.793
40	320+31.65	-59.61'	Y=133651.860 X=510725.623
41	320+32.17	-70.89'	Y=133651.050 X=510714.366
TLE "B"			
105	319+14.13	2.01'	Y=133542.445 X=510800.700
32	319+14.15	60.49'	Y=133549.372 X=510858.763
33	319+14.15	69.95'	Y=133550.493 X=510868.163
34	320+01.04	69.85'	Y=133636.760 X=510857.793
35	320+06.25	60.41'	Y=133640.824 X=510847.804
TLE "C"			
106	320+98.01	1.21'	Y=133724.941 X=510778.184
37	320+55.65	69.82'	Y=133690.986 X=510851.318
36	320+61.49	60.36'	Y=133695.669 X=510841.232
38	322+83.10	69.99'	Y=133916.984 X=510824.361
39	323+58.93	40.51'	Y=133988.723 X=510785.972

REVISION DATE	DATE 3-28-2018	0 50 100 GRAPHIC SCALE, FEET	HWY: STH 32	STATE R/W PROJECT NUMBER: 9190-26-21	PLAT SHEET NO: 4.02	
			COUNTY: SHAWANO/OCONTO	CONSTRUCTION PROJECT NUMBER	PS&E SHEET NO:	E





PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	PLAN AND PROFILE: STH 32	SHEET E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\050201_PN 73.DWG
LAYOUT NAME - 050202_pp
PLOT DATE : 10/9/2018 11:16 AM
PLOT BY : SPIELMACHER, JOHN P
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

STATE PROJECT NUMBER

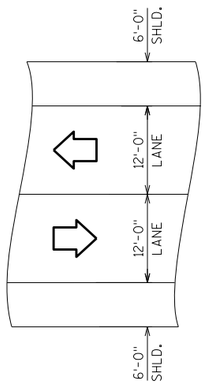
9190-26-73

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(n) INDICATES WING NUMBER

★★ HEAVY RIPRAP PAID FOR UNDER STRUCTURE B-58-130 PLANS.

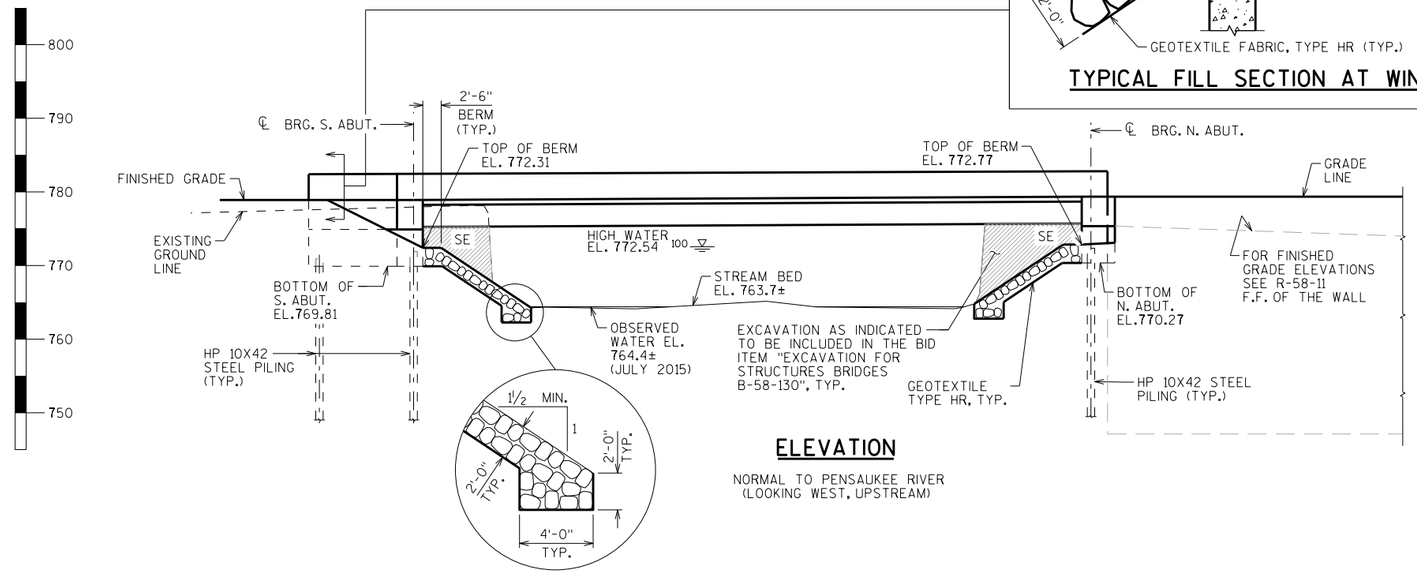
⬟ LIGHT RIPRAP PAID FOR UNDER STRUCTURE R-58-11 PLANS. (AT NORTHEAST CORNER ONLY)



PLAN

SINGLE SPAN - 36W" PRESTRESSED CONCRETE GIRDERS

TYPICAL FILL SECTION AT WING TIPS



ELEVATION

NORMAL TO PENSAUKEE RIVER (LOOKING WEST, UPSTREAM)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.10
OPERATING RATING FACTOR: RF = 1.43
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.

36W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ★★ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
SOUTH ABUTMENT ESTIMATED 45 LONG - PILE POINTS REQUIRED
NORTH ABUTMENT ESTIMATED 40 LONG - PILE POINTS REQUIRED

★★ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 2,200 C.F.S.
VEL. = 4.0 F.P.S.
$HW._{100}$ = EL. 772.54
WATERWAY AREA = 547 SQ. FT.
DRAINAGE AREA = 46.3 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY

Q_2 = 615 C.F.S.
$VEL._2$ = 2.1 F.P.S.
$HW._2$ = EL. 769.59

TRAFFIC VOLUME

STH 32

ADT = 3,400 (2041)
R.D.S. = 55 M.P.H.

LIST OF DRAWINGS

STRUCTURE DESIGN CONTACTS:
JOEL MAAS (608) 267-0273
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-58-130

STH 32 OVER PENSAUKEE RIVER

COUNTY	TOWN
SHAWANO	ANGELICA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JDM	EMK	DDS	JDM

GENERAL PLAN

SHEET 1 OF 14

8

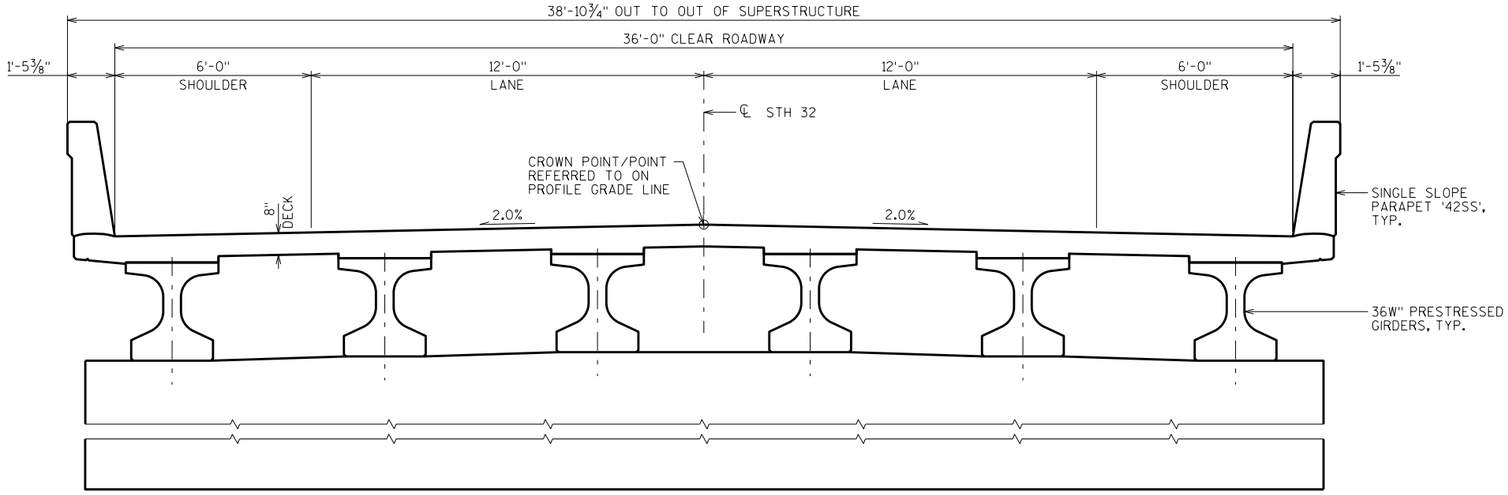
8

SCALE = 10.00

I.D. 9190-26-00A

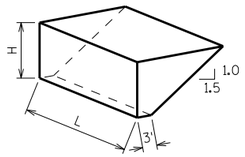
DATE: JULY 2018

STATE PROJECT NUMBER
9190-26-73



CROSS SECTION THRU ROADWAY

LOOKING NORTH



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-58-130" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

EXCAVATION BELOW THE ABUTMENT AND USE OF ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED PROTECTIVE SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS.

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

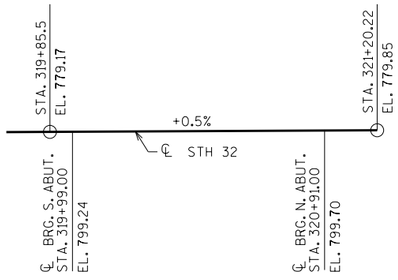
ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

OUTLET OF "PIPE UNDERDRAIN WRAPPED 6-INCH" (THE NORTH ABUTMENT TO BE PLACED UNDERNEATH) THE ABUTMENT BODY ONLY. MINIMUM ELEVATION OF EL. 769.59 AT NORTHEAST CORNER AND SLOPE AT 0.5% TO SUITABLE DRAINAGE.

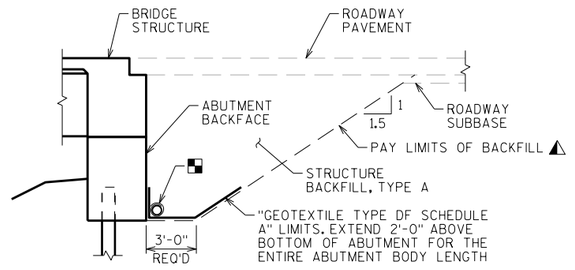
CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF BRIDGE B-58-130 WITH R-58-11.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	NORTH ABUT.	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 320+43	LS	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-58-130	LS	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	215	241	456
502.0100	CONCRETE MASONRY BRIDGES	CY	162	46	41	249
502.3200	PROTECTIVE SURFACE TREATMENT	SY	390	———	———	390
502.3210	PIGMENTED SURFACE SEALER	SY	94	12	6	112
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	558	———	———	558
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	2,170	2,340	4,510
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	25,600	2,640	1,360	29,600
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	12			12
506.4000	STEEL DIAPHRAGMS B-58-130	EACH	10	———	———	10
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	13	9	22
550.0500	PILE POINTS	EACH	———	10	9	19
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	450	360	810
606.0300	RIPRAP HEAVY	CY	———	190	105	295
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	75	80	155
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	———	———	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	35	41	76
645.0120	GEOTEXTILE TYPE HR	SY	———	285	170	455
	NON-BID ITEMS					
	FILLER	SIZE	———	———	———	1
			———	———	———	½", ¾", 1½"



PROFILE GRADE LINE - ℄ STH 32



TYPICAL SECTION THRU ABUTMENT

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

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY DDS | PLANS CK'D. JDM

CROSS SECTION & QUANTITIES

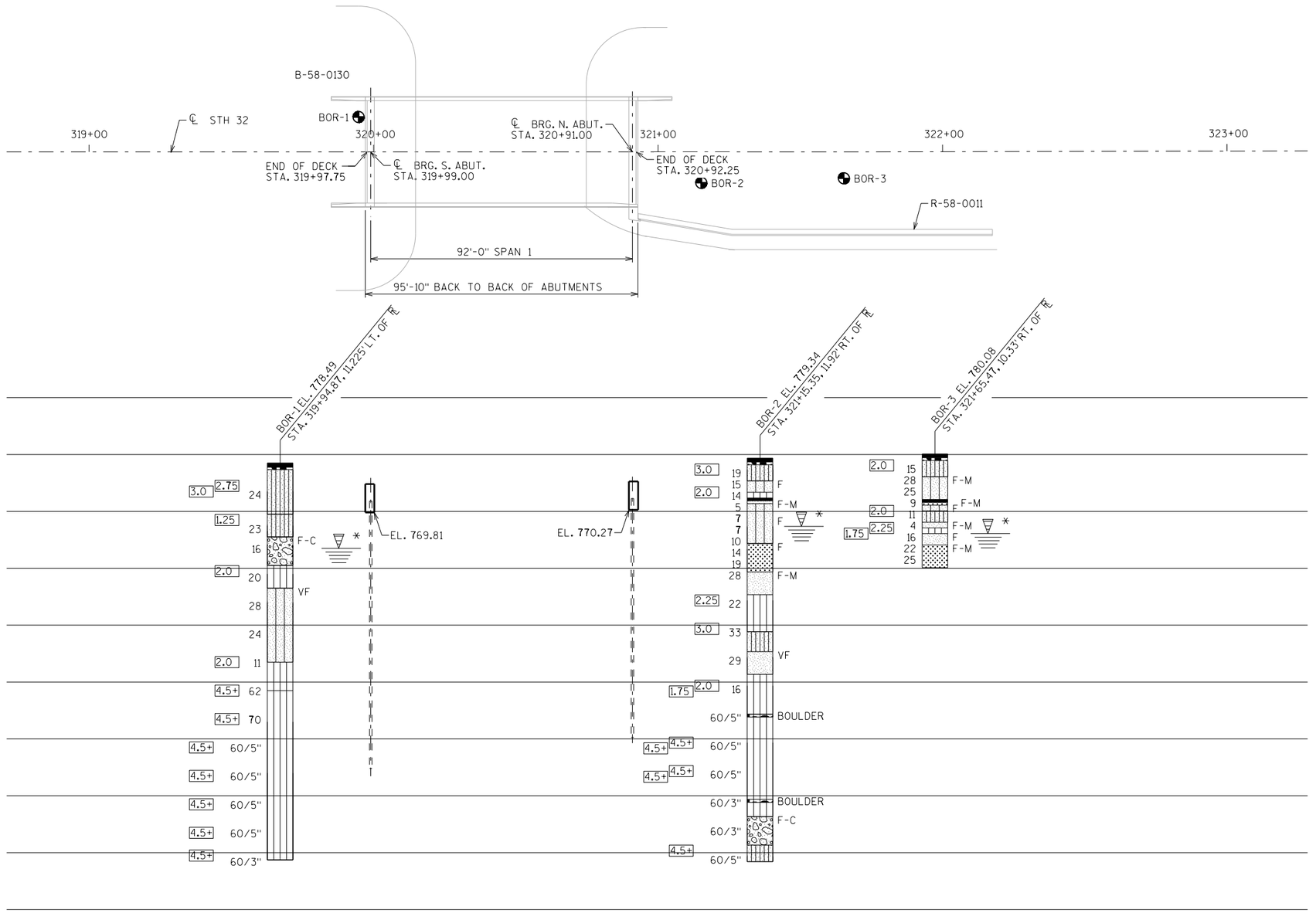
SHEET 2

8

8

SCALE = 2.25

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	3/12/2018	133621	510778
2	3/07/2018	133743	510787
3	3/07/2018	133793	510779
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SHAWANO COUNTY			



* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

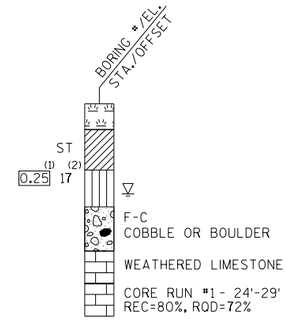
STATE PROJECT NUMBER

9190-26-73

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY TLP/DDS | PLANS CK'D. JDM

SUBSURFACE EXPLORATION

SHEET 3

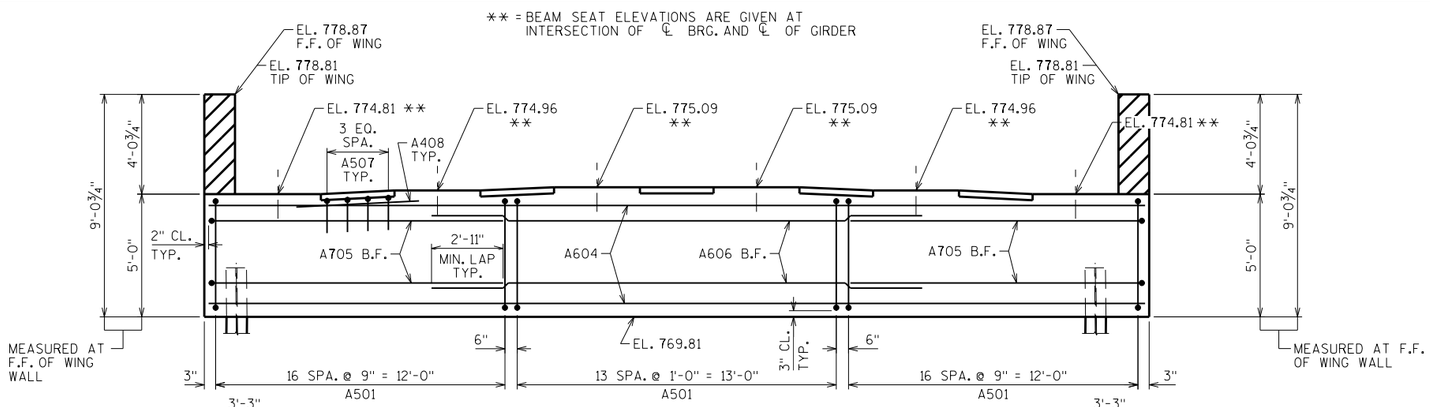
SCALE = 20.00

8

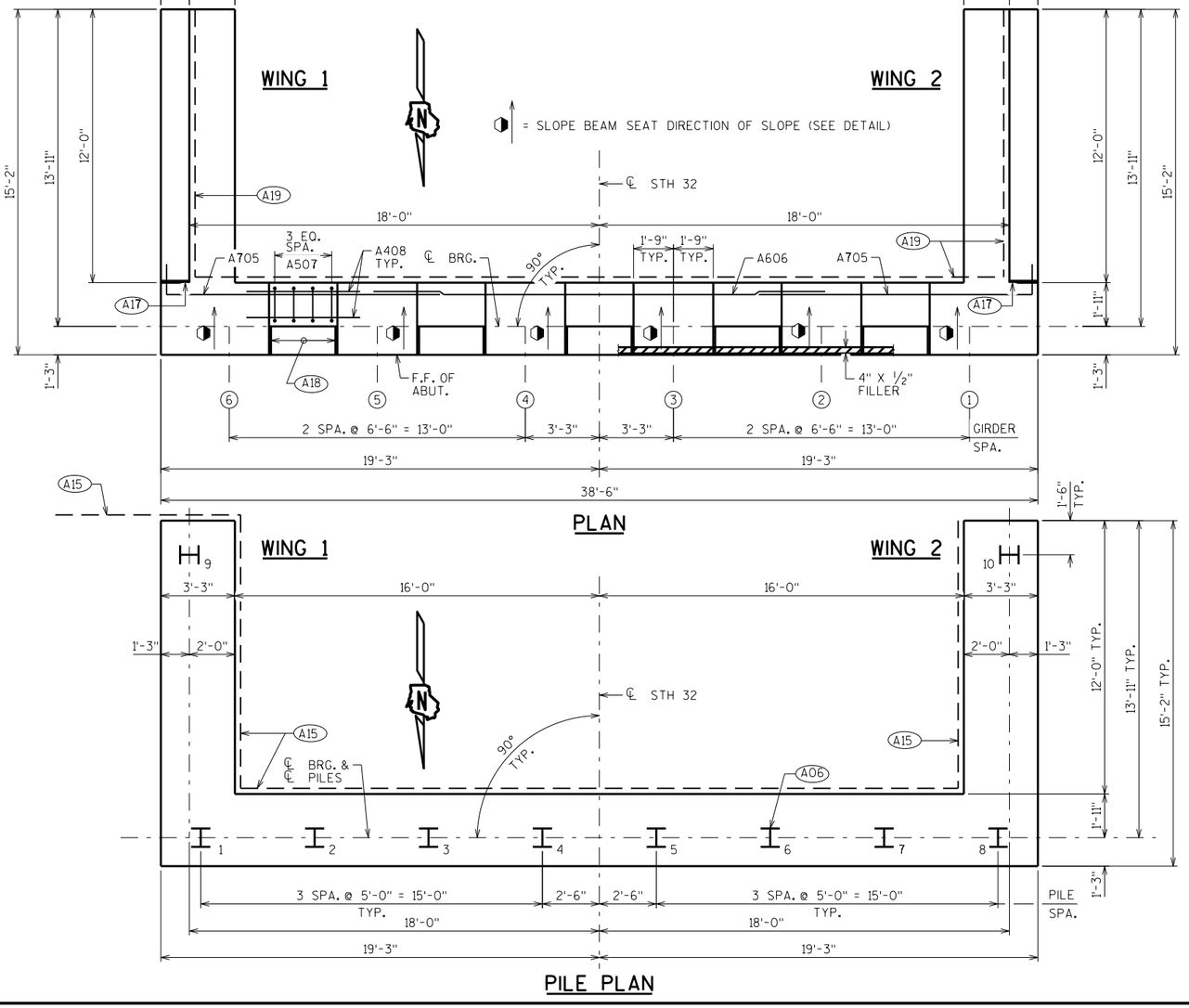
8

STATE PROJECT NUMBER

9190-26-73

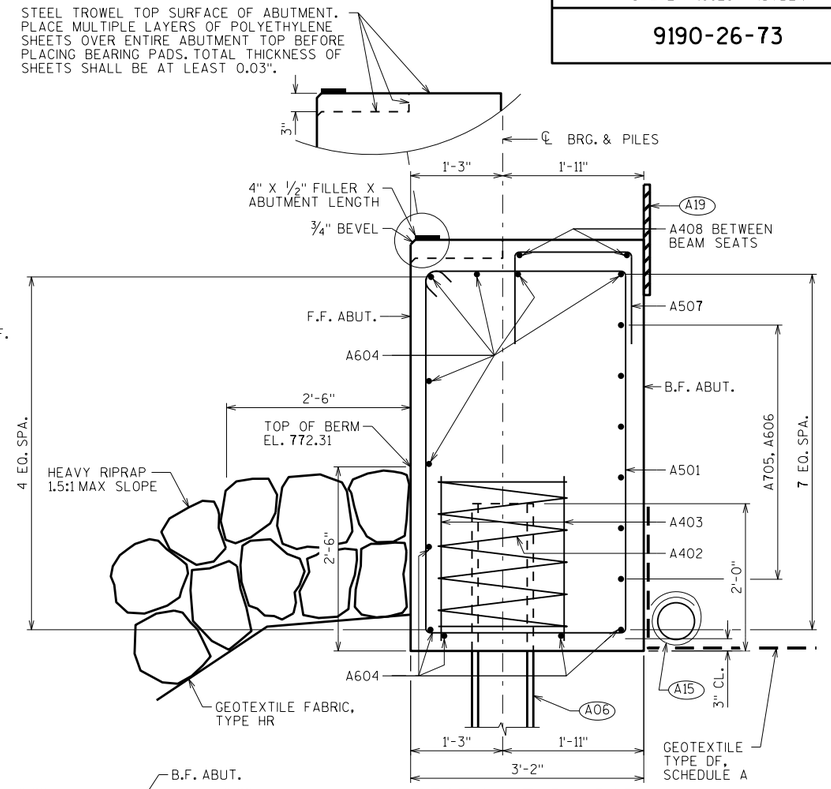


ELEVATION - LOOKING SOUTH

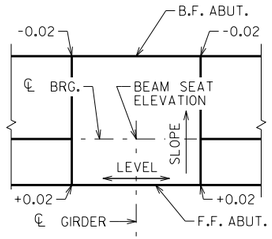


PLAN

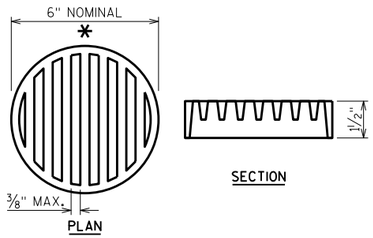
PILE PLAN



SECTION THRU BODY



SLOPED BEAM SEAT DETAIL



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 45'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

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SOUTH ABUTMENT

SHEET 4

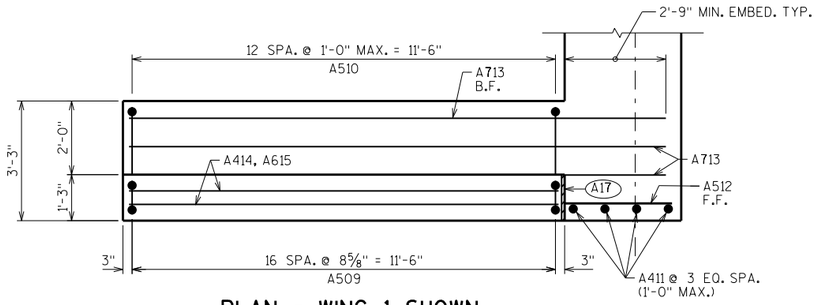
SCALE = 3.00

8

8

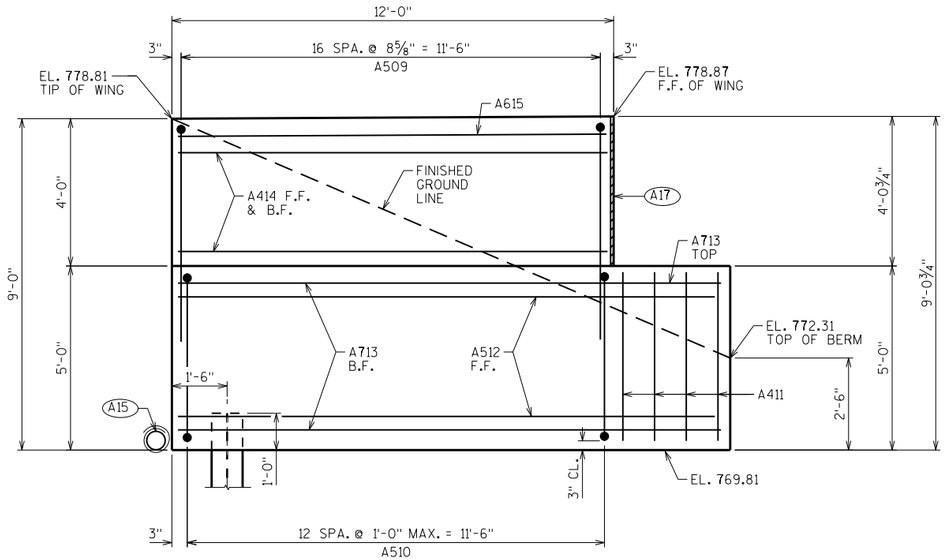
STATE PROJECT NUMBER

9190-26-73



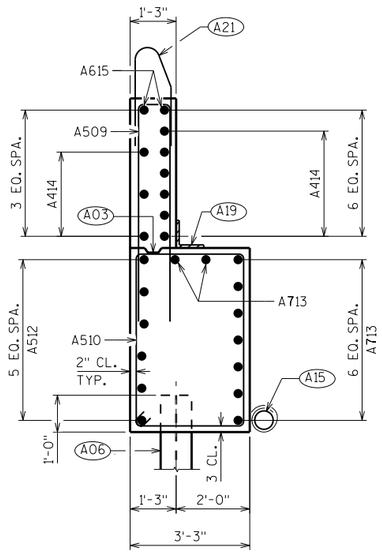
PLAN - WING 1 SHOWN

WING 2 SIMILAR

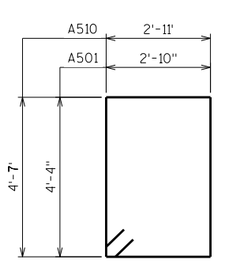


ELEVATION - WING 1 SHOWN

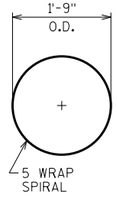
WING 2 SIMILAR



SECTION THRU WING - TYP.



A501, A510



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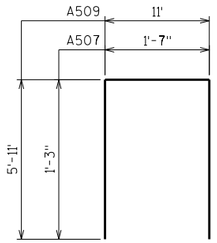
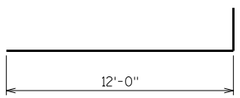


A507, A509



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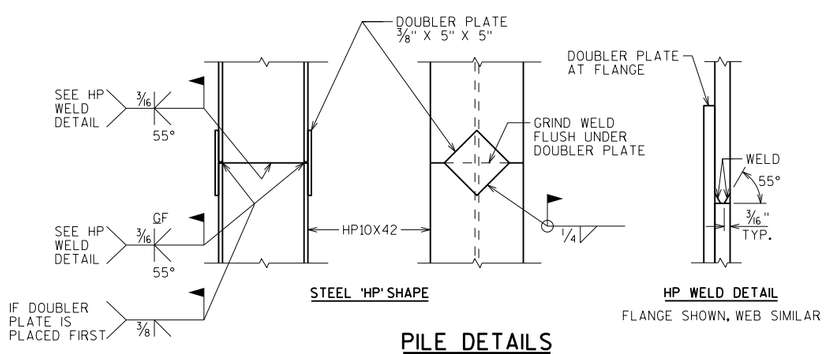

STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		48	15'-0"	X		BODY - STIRRUP
A402		8	28'-0"	X		PILE - VERT. - 1 PER BODY PILE
A403		16	2'-3"			PILE - VERT. - 2 PER BODY PILE
A604		11	38'-2"			BODY - HORIZ.
A705		12	13'-0"	X		BODY - HORIZ. B.F.
A606		6	20'-0"			BODY - HORIZ. - B.F.
A507		20	3'-10"	X		BODY - VERT - BTWN. BEAM SEATS
A408		10	5'-0"			BODY - HORIZ. - BTWN. BEAM SEATS
A509	X	34	12'-6"	X		WINGS 1&2 - VERT.
A510	X	26	15'-8"	X		WINGS 1&2 - STIRRUP
A411	X	8	4'-7"			BODY - VERT. - F.F. - END OF ABUT. BODY
A512	X	12	14'-9"			WINGS 1&2 - HORIZ. - F.F.
A713	X	18	14'-7"			WINGS 1&2 - HORIZ. - B.F. & TOP
A414	X	18	11'-8"			WINGS 1&2 - HORIZ.
A615	X	4	11'-8"			WINGS 1&2 - HORIZ. TOP

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 45'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A21) FOR PPT. BARS & DIMENSIONS SEE "PARAPET 42SS ENDING ON WINGS 1,2&3" SHEET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

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SOUTH ABUTMENT DETAILS

SHEET 5

SCALE = 2.00

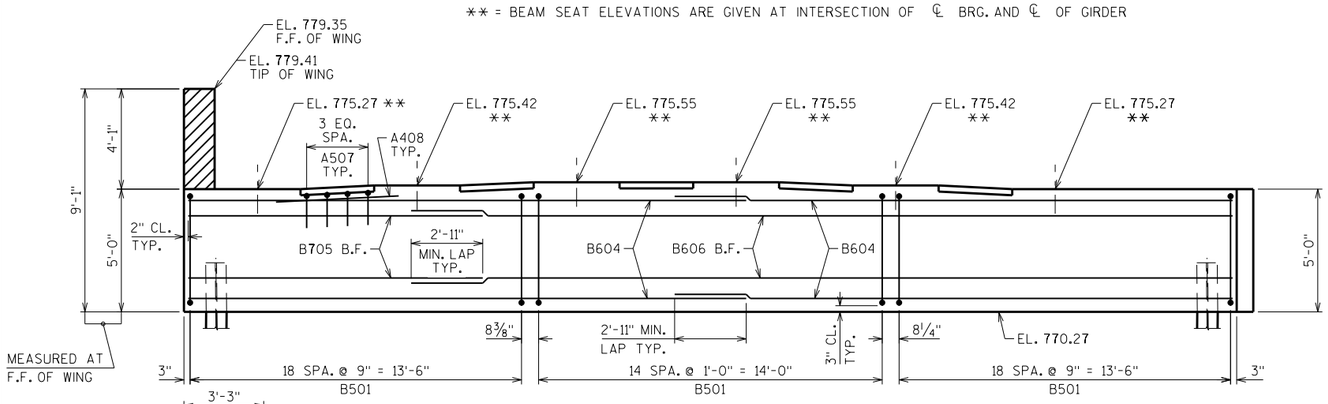
8

8

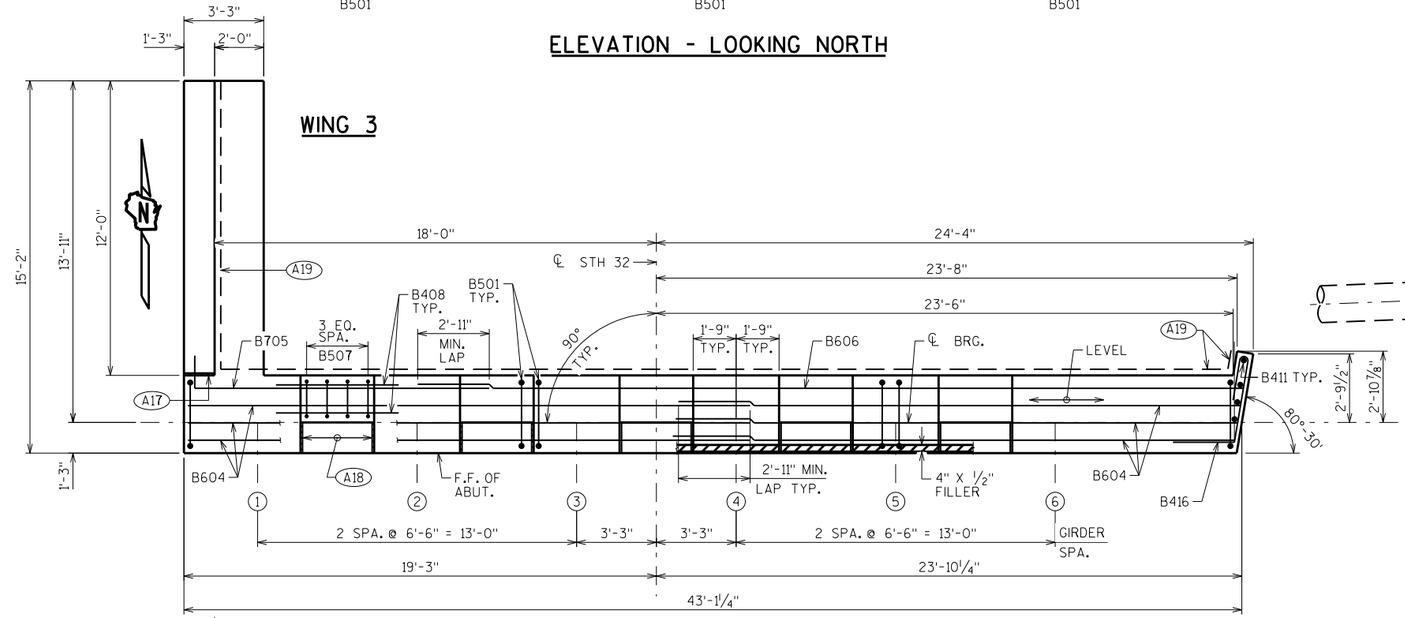
STATE PROJECT NUMBER

9190-26-73

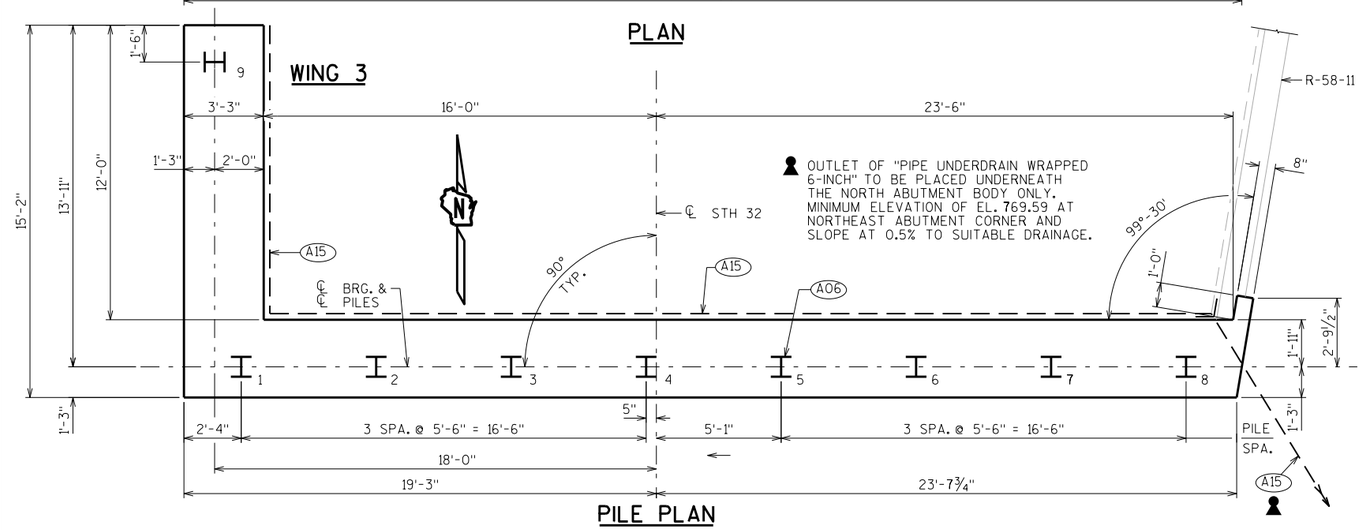
** = BEAM SEAT ELEVATIONS ARE GIVEN AT INTERSECTION OF ℄ BRG. AND ℄ OF GIRDER



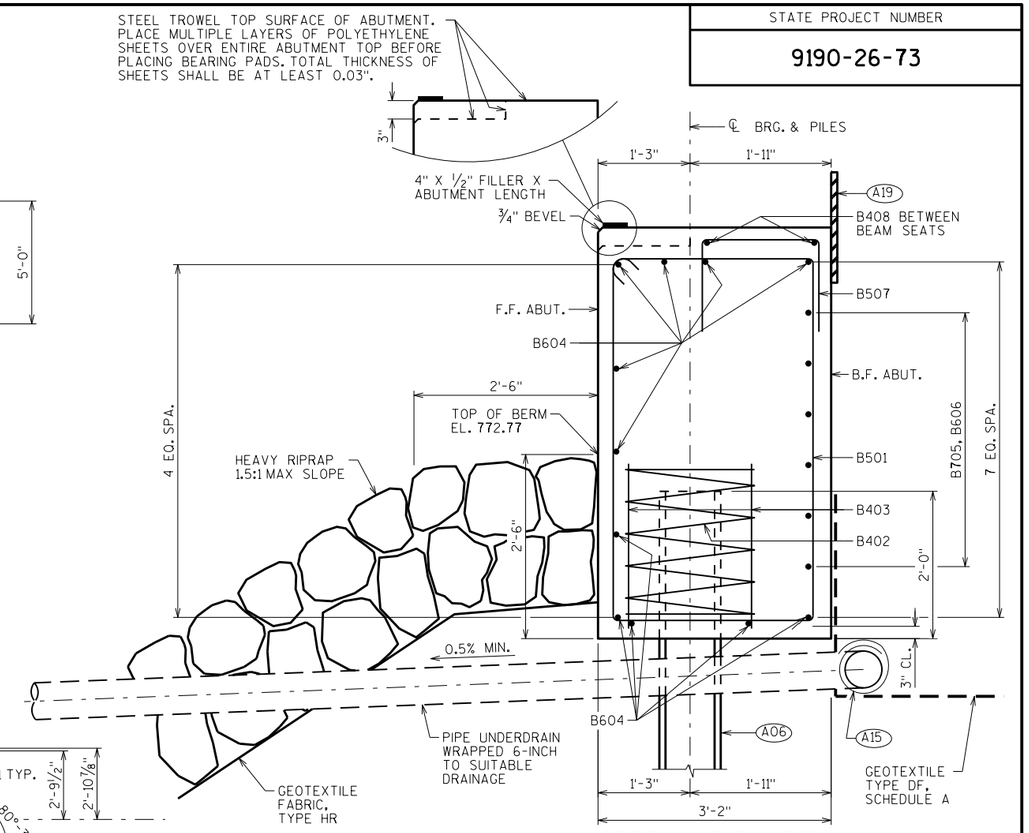
ELEVATION - LOOKING NORTH



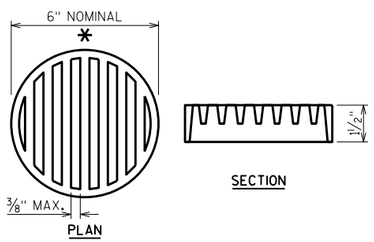
PLAN



PILE PLAN



SECTION THRU BODY



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 40'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

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(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

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NORTH ABUTMENT

SHEET 6

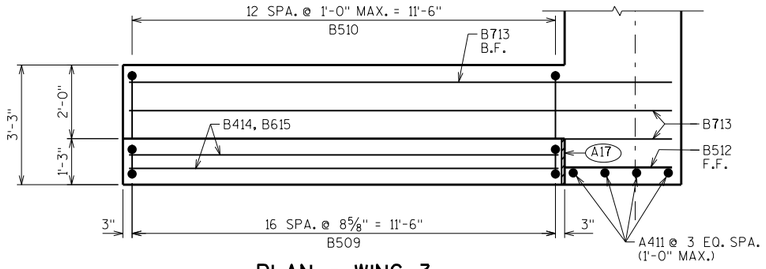
8

8

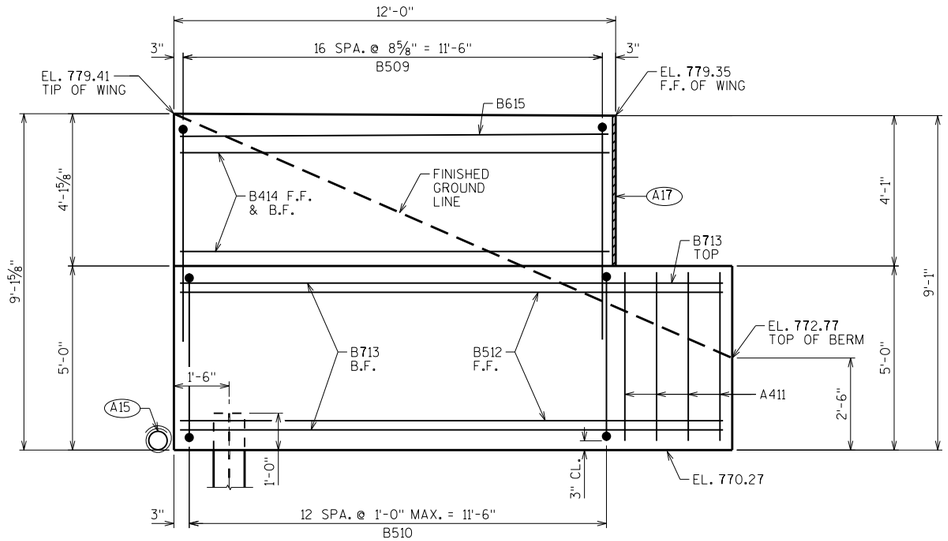
SCALE = 3.00

STATE PROJECT NUMBER

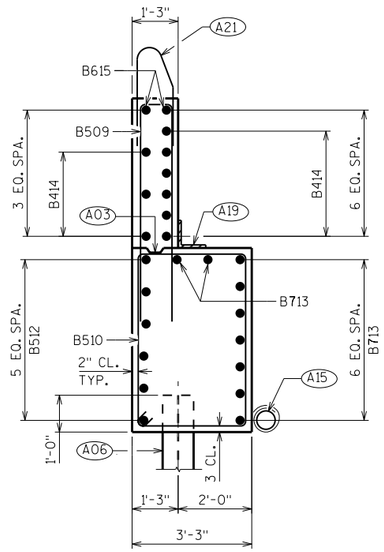
9190-26-73



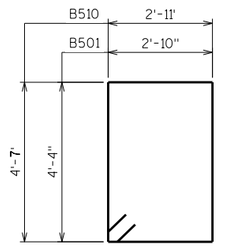
PLAN - WING 3



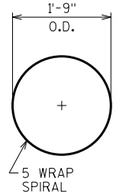
ELEVATION - WING 3



SECTION THRU WING 3



B501, B510



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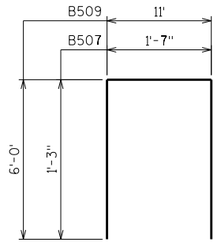


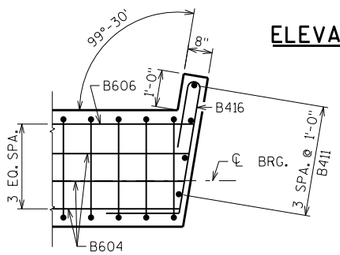
B507, B509

BILL OF BARS

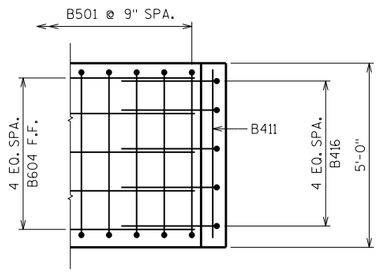
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		53	15'-0"	X		BODY - STIRRUP
B402		8	28'-0"	X		PILE - VERT. - 1 PER BODY PILE
B403		16	2'-3"			PILE - VERT. - 2 PER BODY PILE
B604		22	22'-11"			BODY - HORIZ.
B705		6	13'-0"	X		BODY - HORIZ. B.F.
B606		6	34'-2"			BODY - HORIZ. - B.F.
B507		20	3'-10"	X		BODY - VERT - BTWN. BEAM SEATS
B408		10	5'-0"			BODY - HORIZ. - BTWN. BEAM SEATS
B509	X	17	12'-8"	X		WINGS 3 - VERT.
B510	X	13	15'-8"	X		WINGS 3 - STIRRUP
B411	X	4	4'-7"			BODY - VERT. - F.F. - END OF ABUT. BODY
B512	X	6	14'-9"			WINGS 3 - HORIZ. - F.F.
B713	X	9	14'-9"			WINGS 3 - HORIZ. - B.F. & TOP
B414	X	9	11'-8"			WINGS 3 - HORIZ.
B615	X	2	11'-8"			WINGS 3 - HORIZ. TOP
B416	X	5	8'-5"	X		NE CORNER - HORIZ.

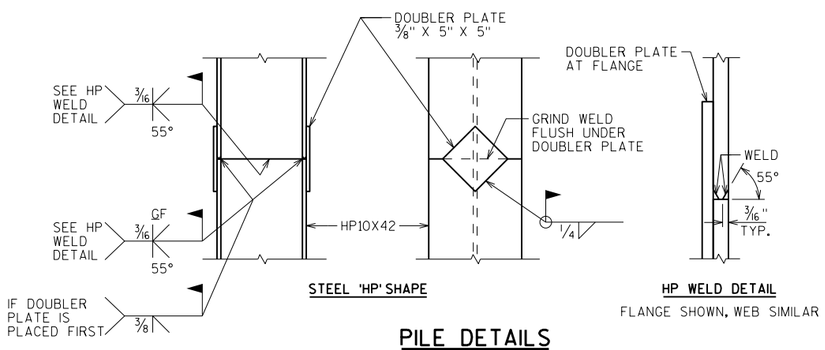
B705



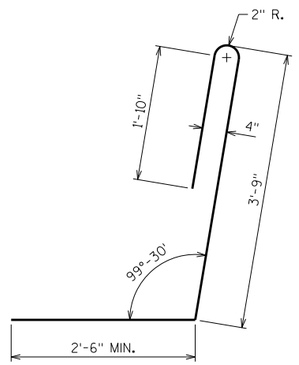
PLAN - NE CORNER



ELEVATION - NE CORNER



PILE DETAILS



B416

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 40'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A21) FOR PPT. BARS & DIMENSIONS SEE "PARAPET 42SS ENDING ON WINGS 1, 2, & 3" SHEET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY DDS | PLANS CK'D. JDM

NORTH ABUTMENT DETAILS

SHEET 7

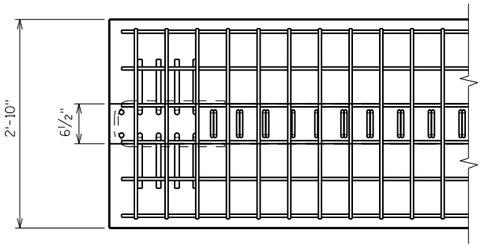
8

8

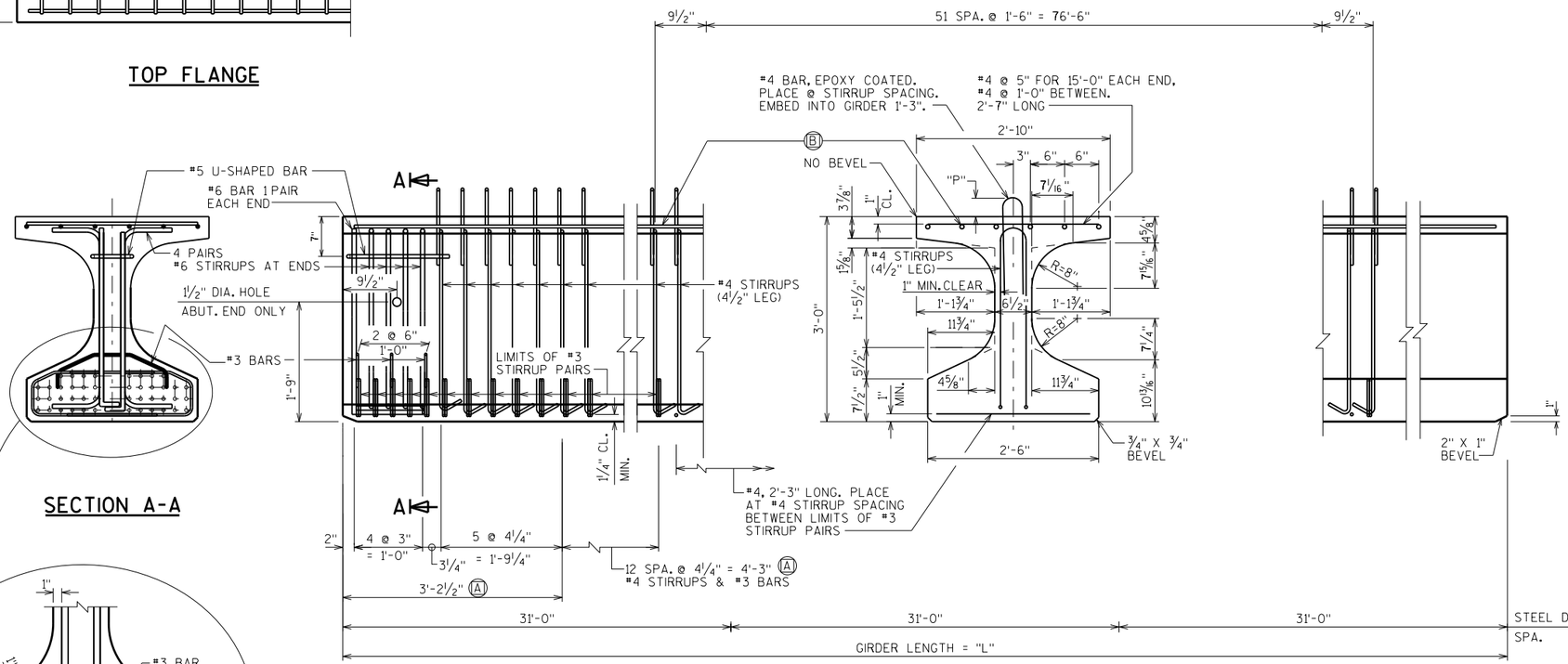
SCALE = 2.00

STATE PROJECT NUMBER

9190-26-73



TOP FLANGE

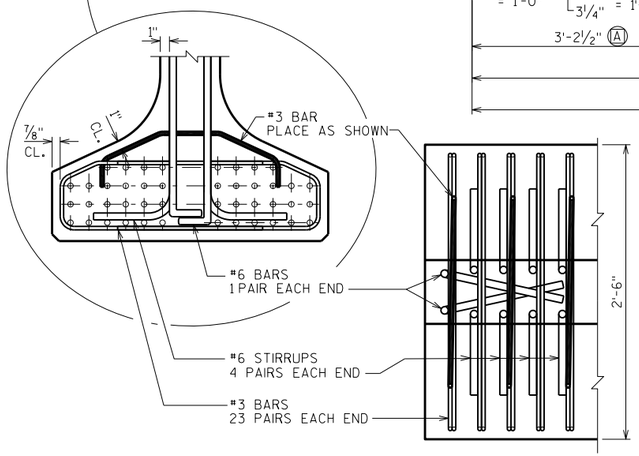


SECTION A-A

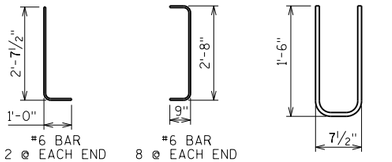
SIDE VIEW & TYPICAL SECTION IN SPAN

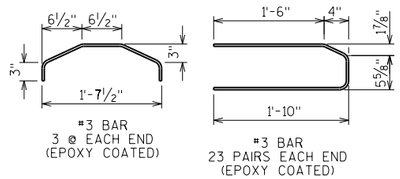
Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"



BOTTOM FLANGE





NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

⋇ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⋇	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⋇
1	ALL	93.00	0.7	1.3	1.7	1.9	2.1	2.0	1.7	1.3	0.7	8000	8.5	7.0	8.5	0.6	36	6400	31	11.5	14.5	5		

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY DDS | PLANS CK'D. JDM

36W" PRESTRESSED GIRDER DETAILS 1

SHEET 8

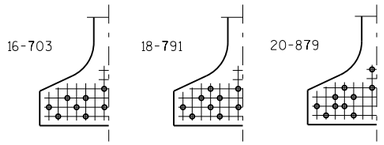
SCALE = 1.00

8

8

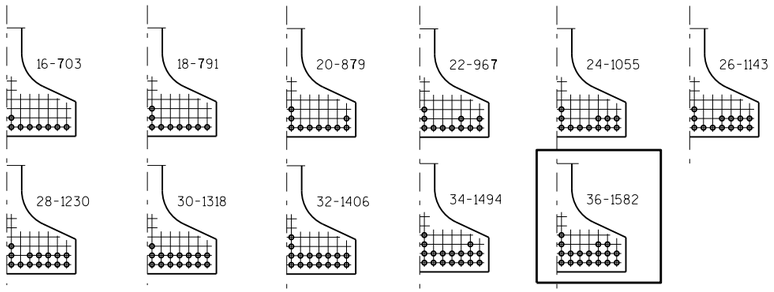
STATE PROJECT NUMBER

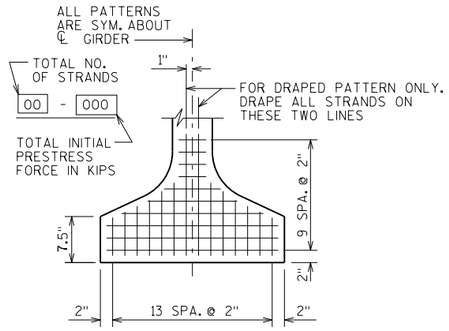
9190-26-73



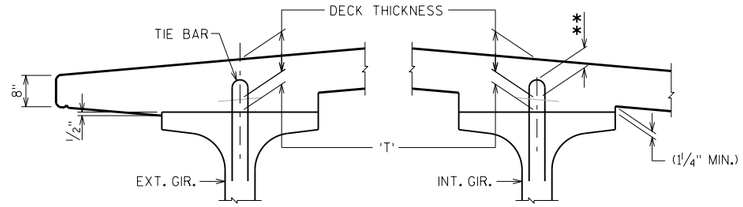
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS





TYP. STRAND PATTERN



DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

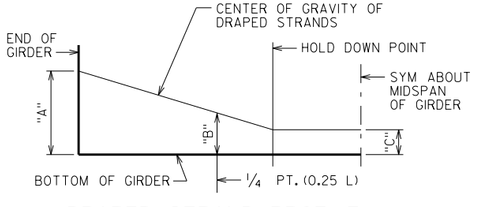
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3¼" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".

ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS



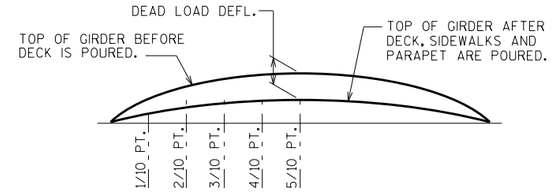
DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.21

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY DDS | PLANS CK'D. JDM

36W" PRESTRESSED GIRDER DETAILS 2

SHEET 9

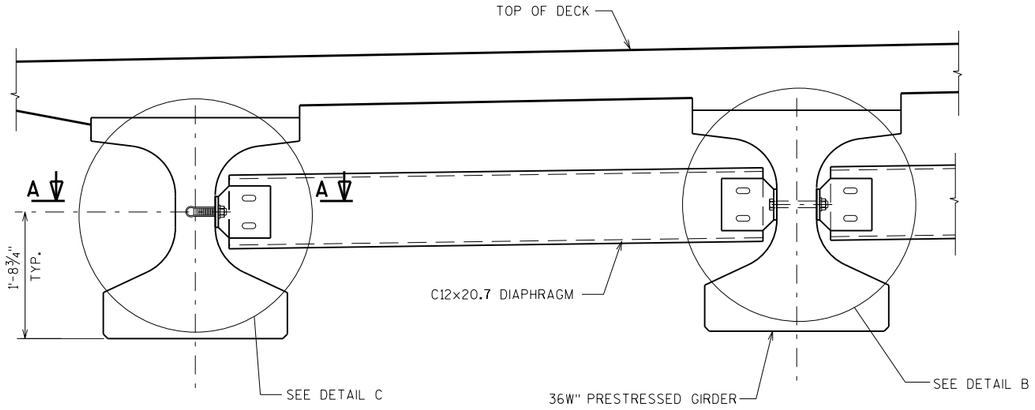
SCALE = 1.00

8

8

STATE PROJECT NUMBER

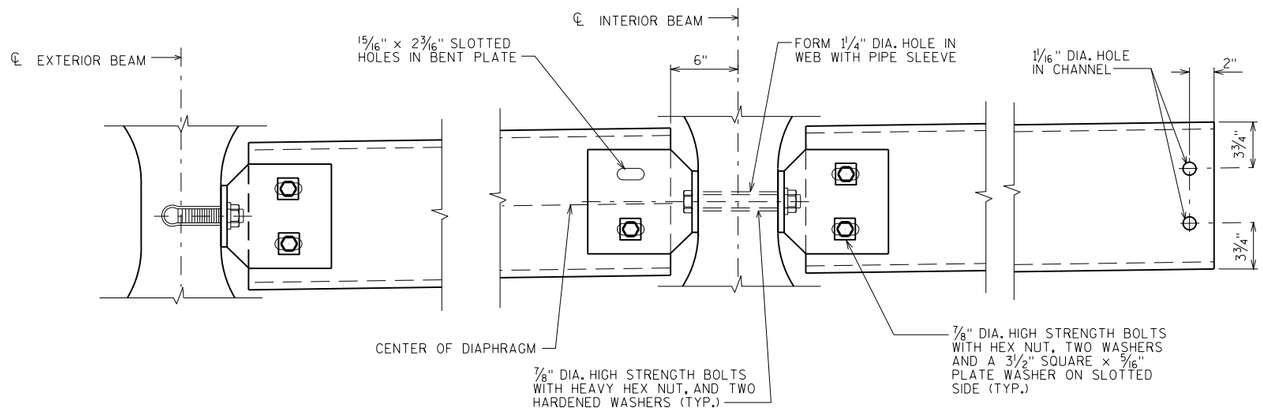
9190-26-73



EXTERIOR GIRDER

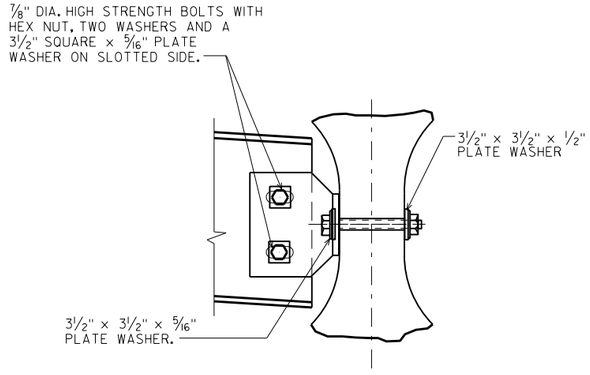
INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM



DETAIL C

DETAIL B



SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°

NOTES

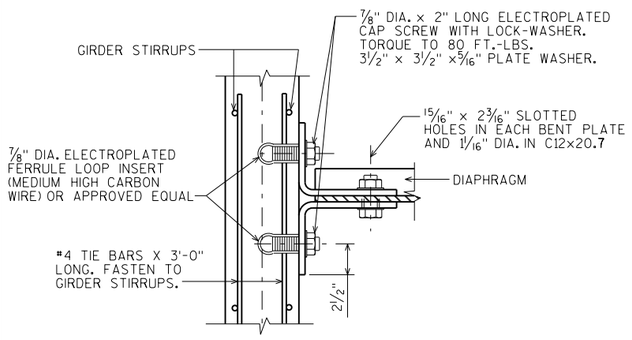
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-58-130", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

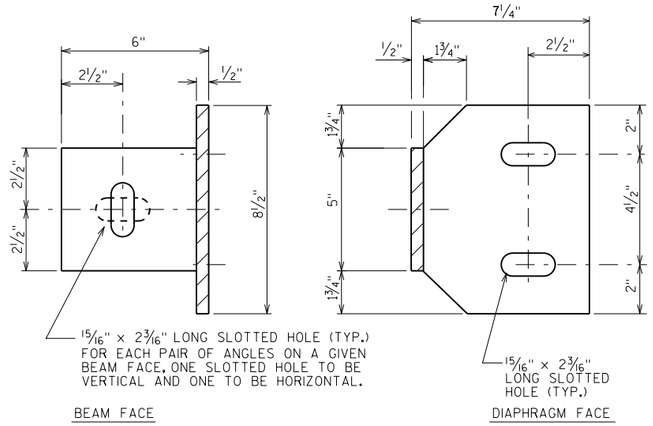
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



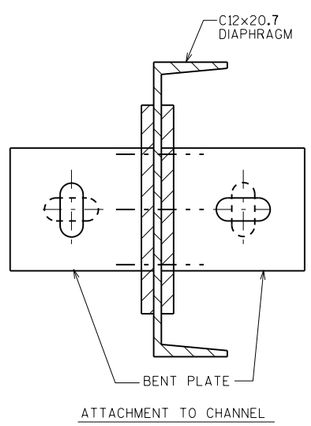
SECTION A-A

(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY: DDS | PLANS CK'D.: JDM

STEEL DIAPHRAGM 36W"

SHEET 10

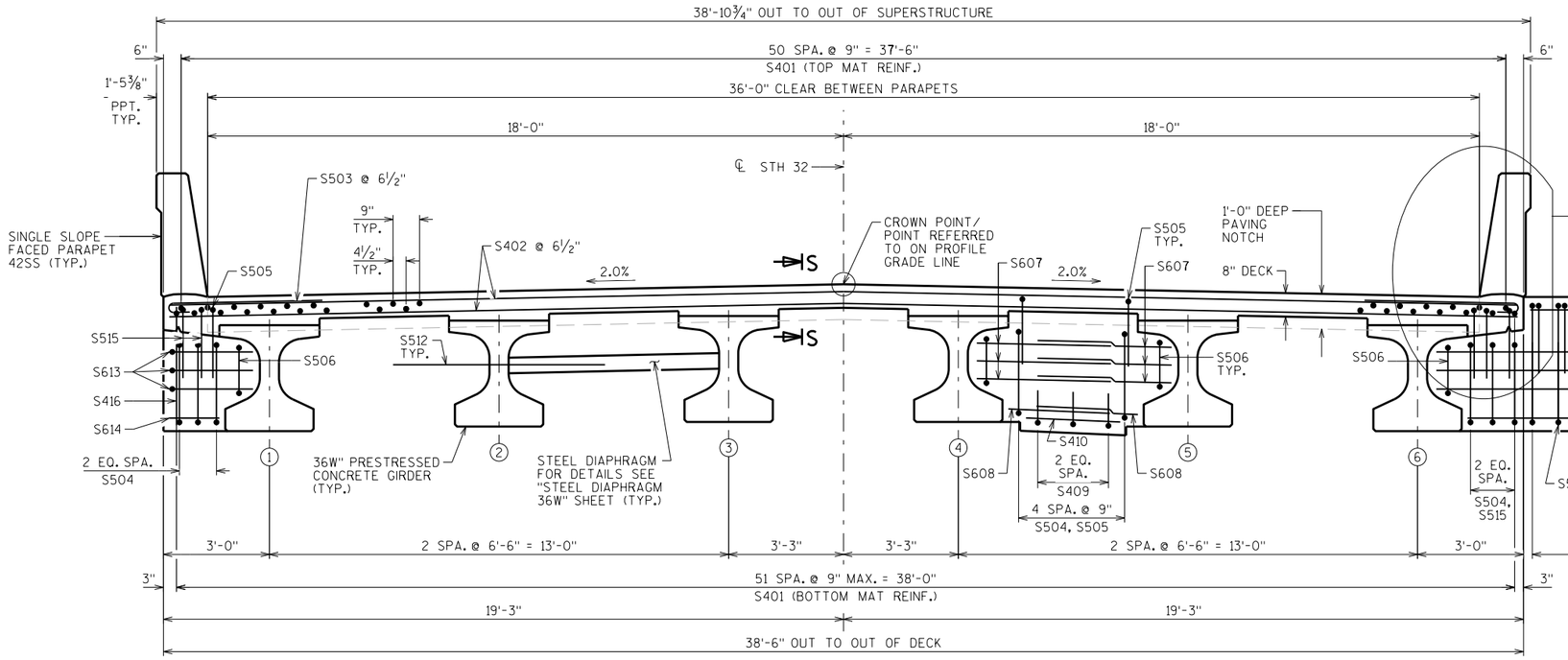
SCALE = 1.00

8

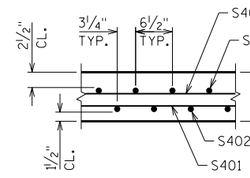
8

STATE PROJECT NUMBER

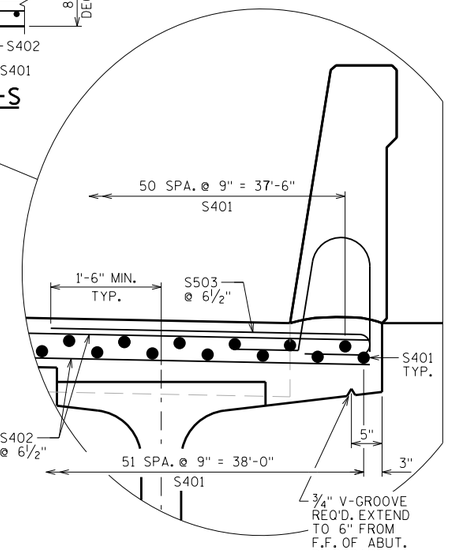
9190-26-73

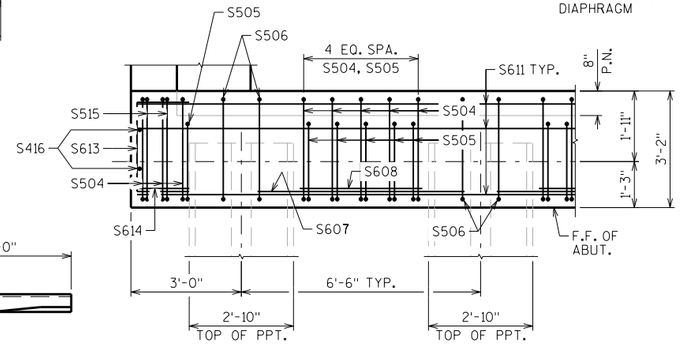


CROSS SECTION THRU ROADWAY - LOOKING NORTH

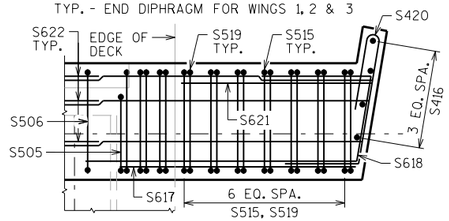


SECTION S-S

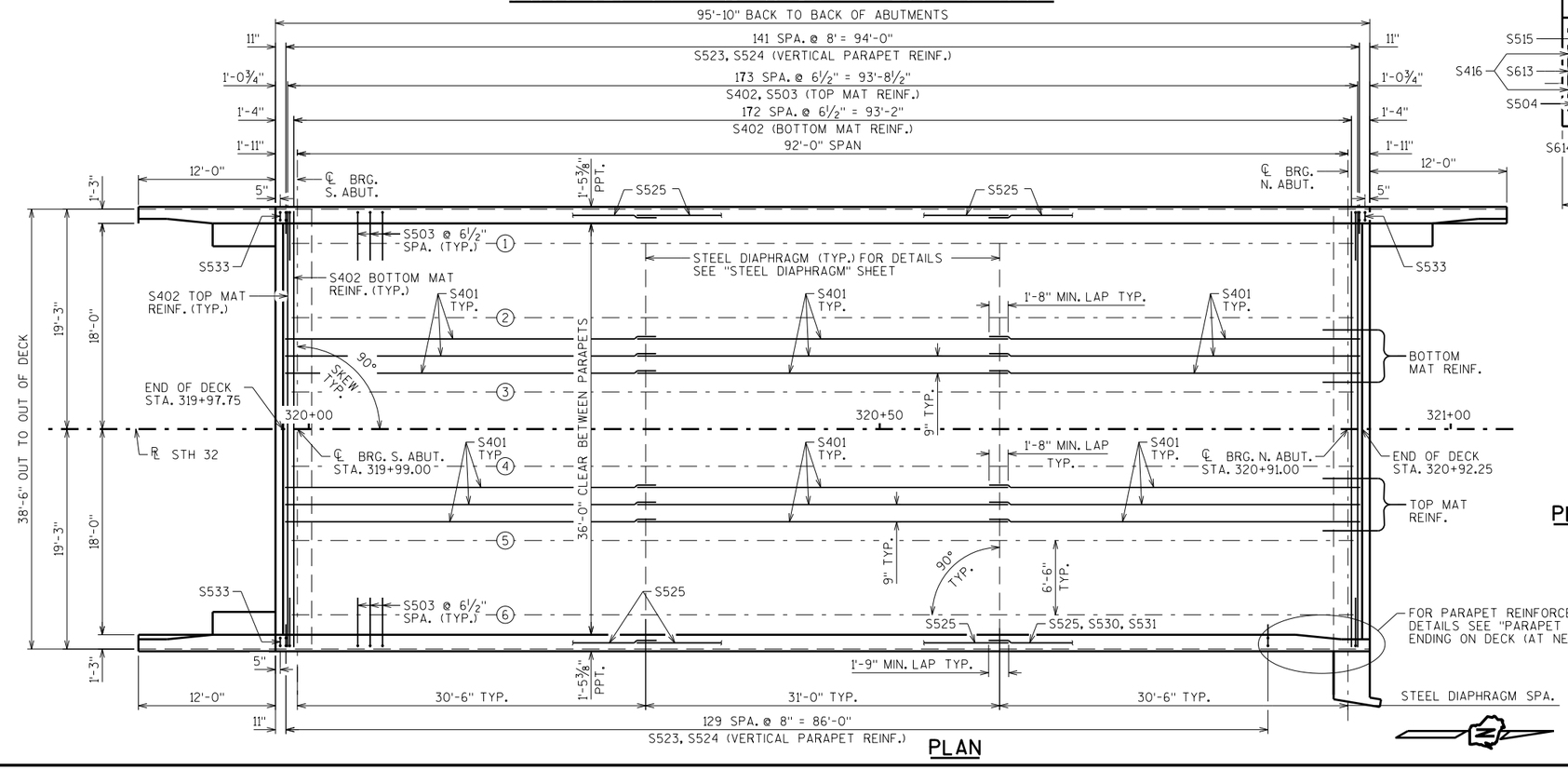




PLAN VIEW - ABUTMENT DIAPHRAGM



PLAN VIEW - ABUTMENT DIAPHRAGM NE CORNER



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY: DDS | PLANS CK'D.: JDM

SUPERSTRUCTURE

SHEET 11

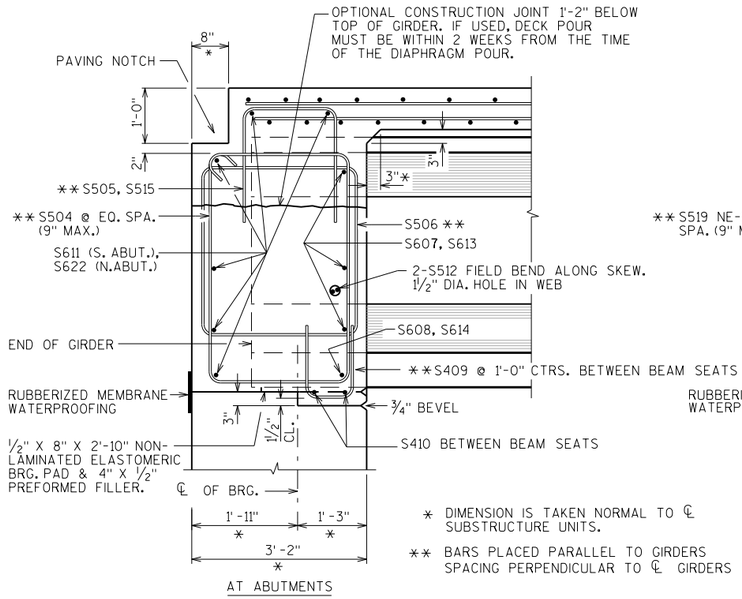
SCALE = 6.00

8

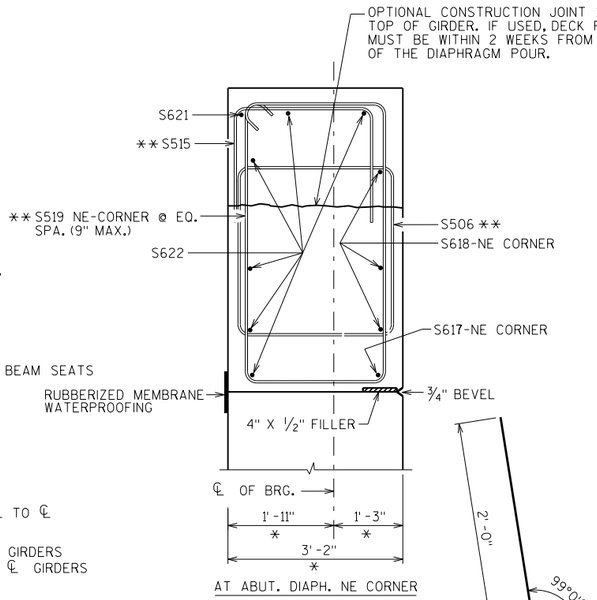
8

STATE PROJECT NUMBER

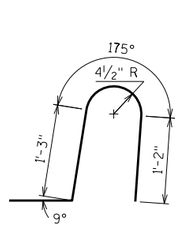
9190-26-73



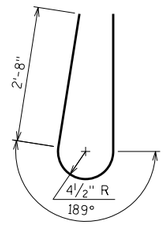
PART LONGIT. SECTION



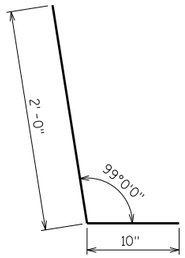
PART LONGIT. SECTION



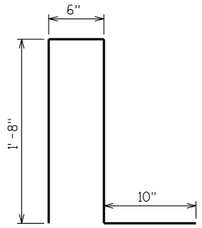
S523



S524



S526



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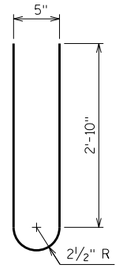


S528

BILL OF BARS

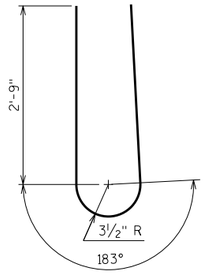
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	309	32'-6"			DECK - LONGITUDINAL
S402	X	347	38'-2"			DECK - TRANSVERSE
S503	X	348	4'-11"	X		DECK - TRANSVERSE - EDGES OF DECK
S504	X	62	11'-10"	X		ABUT. DIAPH. - STIRRUP
S505	X	54	5'-7"	X		ABUT. DIAPH. - VERT. - TOP
S506	X	24	9'-4"	X		ABUT. DIAPH. - STIRRUP AT GIRDERS
S607	X	60	3'-10"			ABUT. DIAPH. - HORIZ. - F.F.
S608	X	20	3'-8"			ABUT. DIAPH. - HORIZ. - F.F.
S409	X	30	3'-3"	X		ABUT. DIAPH. - VERT. - BOTTOM
S410	X	20	2'-8"			ABUT. DIAPH. - HORIZ. - BOTTOM
S611	X	12	20'-10"			S. ABUT. DIAPH. - HORIZ. - B.F.
S512	X	24	6'-0"			ABUT. DIAPH. - HORIZ. - THRU GIRDERS
S613	X	9	7'-1"	X		S. ABUT. DIAPH. - HORIZ.
S614	X	3	1'-5"			ABUT. DIAPH. - HORIZ.
S515	X	15	6'-3"	X		ABUT. DIAPH. - VERT.
S416	X	10	3'-5"			ABUT. DIAPH. - VERT. - ENDS
S617	X	1	6'-6"			ABUT. DIAPH. NE CORNER - HORIZ. - BOTTOM
S618	X	3	12'-4"	X		ABUT. DIAPH. NE CORNER - HORIZ. - END
S519	X	7	13'-2"	X		ABUT. DIAPH. NE CORNER - STIRRUP
S420	X	4	8'-5"	X		ABUT. DIAPH. NE CORNER - HORIZ. - END
S621	X	1	4'-0"			ABUT. DIAPH. NE CORNER - HORIZ. - TOP
S622	X	12	23'-3"			N. ABUT. DIAPH. - HORIZ. - B.F.
S523	X	272	4'-5"	X		PARAPETS - VERT.
S524	X	272	6'-8"	X		PARAPETS - VERT
S525	X	45	33'-0"			PARAPET - HORIZ.
S526	X	12	2'-9"	X		E. PARAPET - VERT.
S527	X	17	4'-4"	X		E. PARAPET - VERT.
S528	X	5	6'-5"	X		E. PARAPET - VERT.
S529	X	6	6'-6"	X		E. PARAPET - VERT.
S530	X	1	33'-0"	X		E. PARAPET - HORIZ.
S531	X	2	33'-0"	X		E. PARAPET - HORIZ.
S532	X	6	5'-5"	X	⚠	E. PARAPET - VERT.
S533	X	3	5'-10"	X		PARAPETS - VERT

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

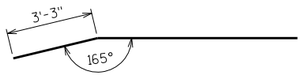
TOP OF DECK ELEVATIONS

	℄ BRG. S ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. N. ABUT.
LEFT EDGE OF DECK	778.88	778.92	778.97	779.02	779.06	779.11	779.15	779.20	779.25	779.29	779.34
LEFT GUTTERLINE	778.88	778.92	778.97	779.02	779.06	779.11	779.15	779.20	779.25	779.29	779.34
GIRDER 1	778.91	778.96	779.00	779.05	779.10	779.14	779.19	779.23	779.28	779.33	779.37
GIRDER 2	779.04	779.09	779.13	779.18	779.23	779.27	779.32	779.36	779.41	779.46	779.50
GIRDER 3	779.17	779.22	779.26	779.31	779.36	779.40	779.45	779.49	779.54	779.59	779.63
℄ STH 32	779.24	779.28	779.33	779.38	779.42	779.47	779.51	779.56	779.61	779.65	779.70
GIRDER 4	779.17	779.22	779.26	779.31	779.36	779.40	779.45	779.49	779.54	779.59	779.63
GIRDER 5	779.04	779.09	779.13	779.18	779.23	779.27	779.32	779.36	779.41	779.46	779.50
GIRDER 6	778.91	778.96	779.00	779.05	779.10	779.14	779.19	779.23	779.28	779.33	779.37
RIGHT GUTTERLINE	778.88	778.92	778.97	779.02	779.06	779.11	779.15	779.20	779.25	779.29	779.34
RIGHT EDGE OF DECK	778.88	778.92	778.97	779.02	779.06	779.11	779.15	779.20	779.25	779.29	779.34

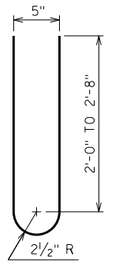


S529

S530



S531

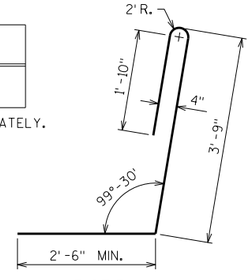


S532

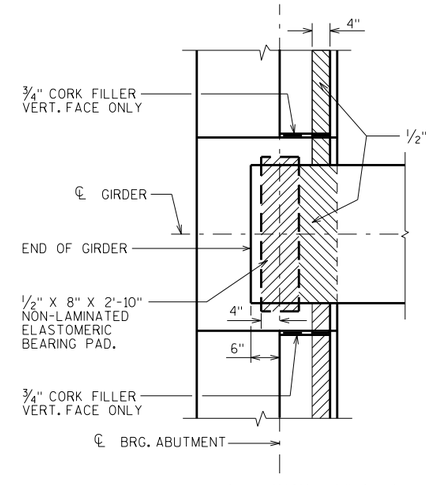
BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
S532	1 SERIES OF 6	4'-9" TO 6'-1"

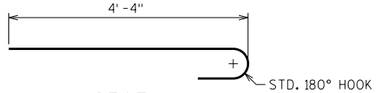
BUNDLE AND TAG EACH SERIES SEPARATELY.



S420



BEARING PAD DETAIL



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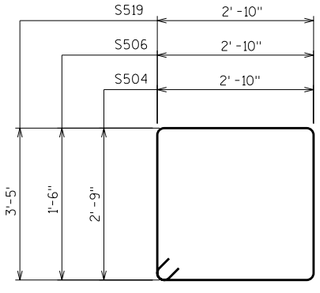
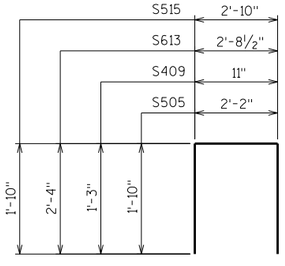
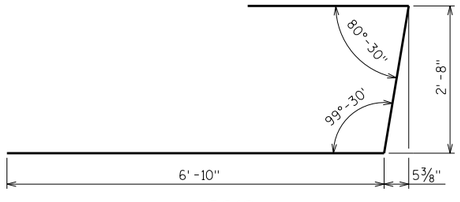


S504, S506, S519



S505, S409, S613, S515



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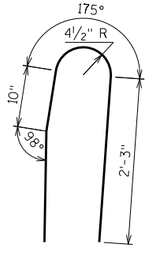


S533

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY DDS | PLANS CK'D. JDM

SUPERSTRUCTURE DETAILS

SHEET 12

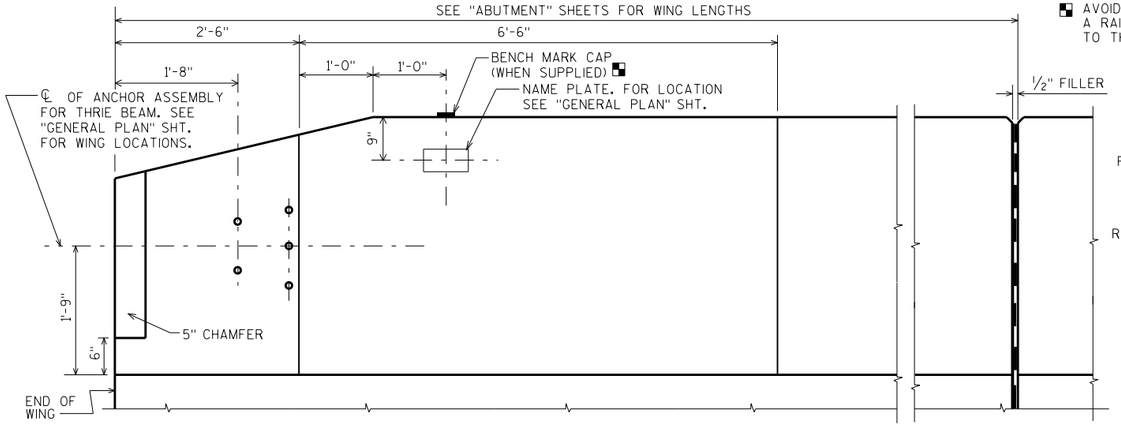
SCALE = 1.33

8

8

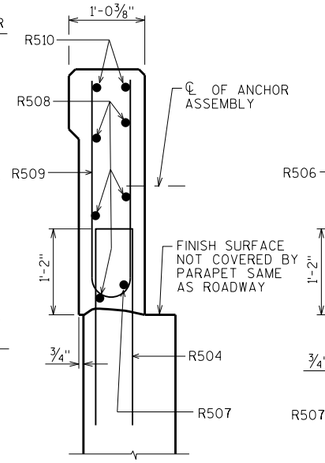
STATE PROJECT NUMBER

9190-26-73

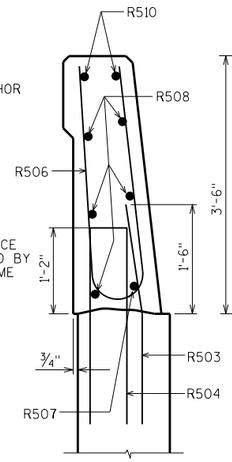


INSIDE ELEVATION

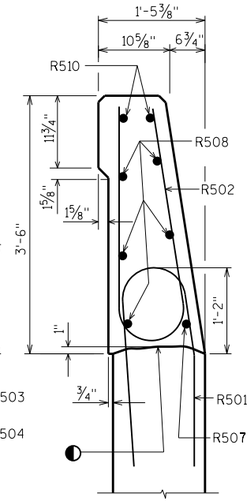
■ AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



SECTION A



SECTION B



SECTION C

BILL OF BARS

FOR ABUTMENT PARAPETS

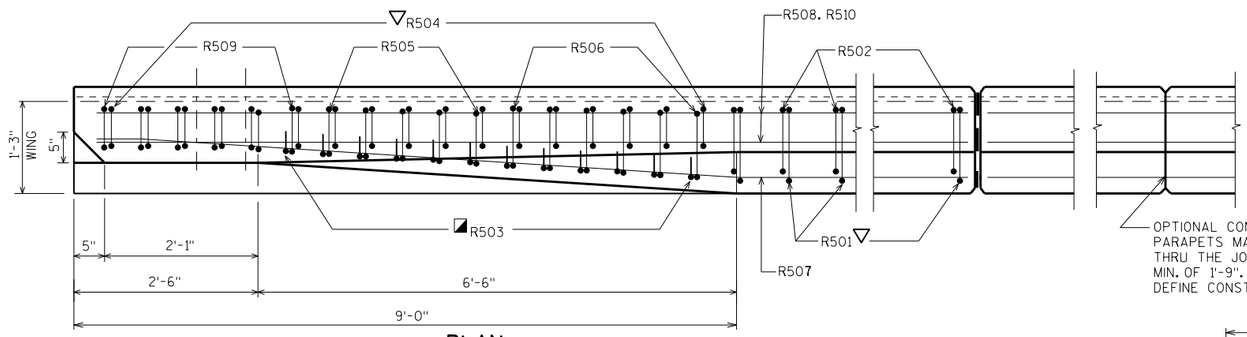
BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	10	5	5-10	X		PARAPET VERT.
R502	X	10	5	6-8	X		PARAPET VERT.
R503	X	24	12	3-0	X		PARAPET VERT.
R504	X	34	17	5-7	X		PARAPET VERT.
R505	X	10	5	6-5	X		PARAPET VERT.
R506	X	12	6	6-6	X		PARAPET VERT.
R507	X	2	1	11-7	X		PARAPET HORIZ.
R508	X	10	5	11-7			PARAPET HORIZ.
R509	X	12	6	5-5	X	⚠	PARAPET VERT.
R510	X	4	2	11-7	X		PARAPET HORIZ.

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

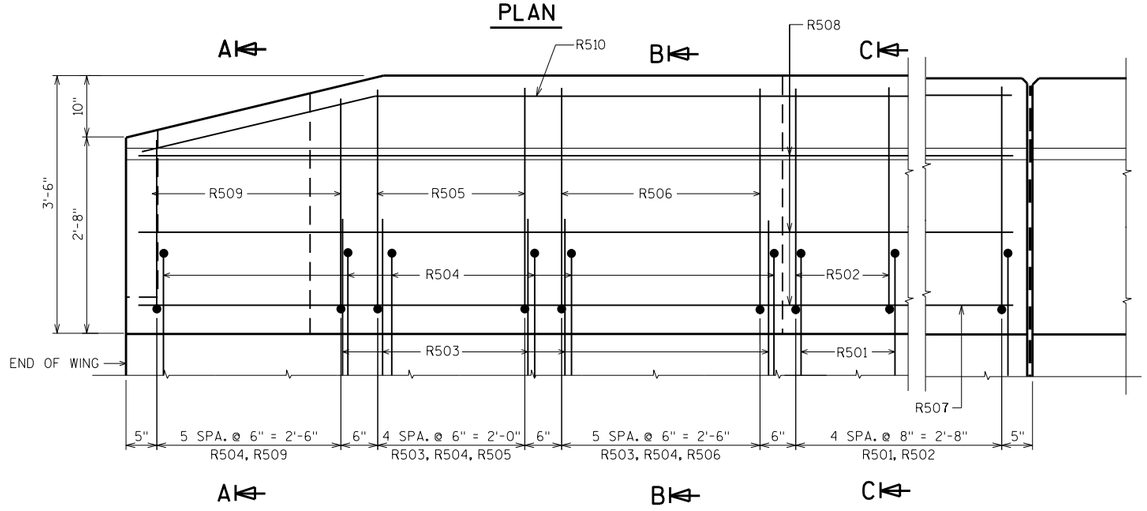
BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
R509	3 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

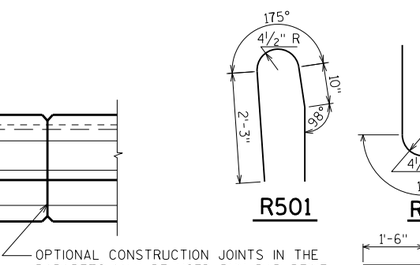


PLAN

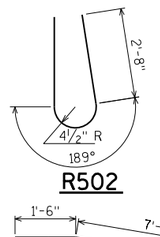


OUTSIDE ELEVATION

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



R501



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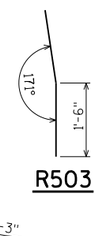
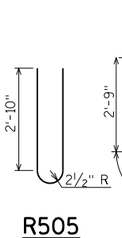
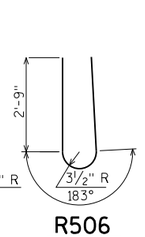


R503

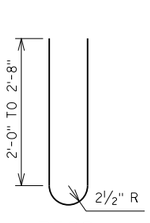
R504



R505



R506



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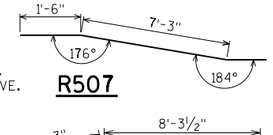
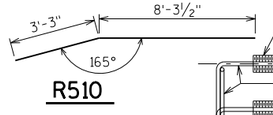


R507



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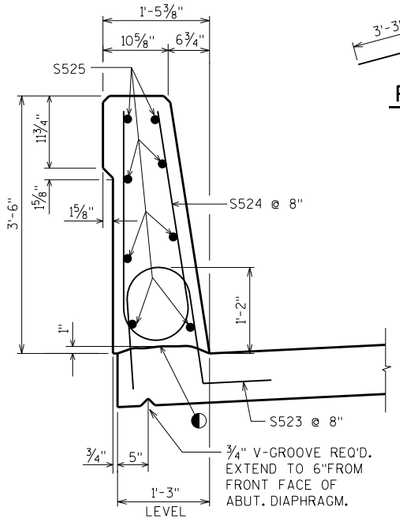
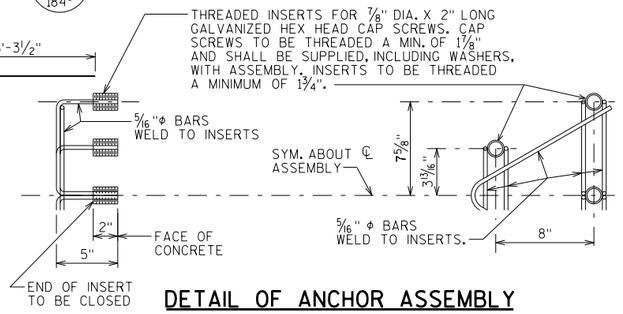


SECTION THRU WEST PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 OR S503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY: DDS | PLANS CK'D.: JDM

PARAPET 42SS ENDING ON WINGS 1,2&3

SHEET 13

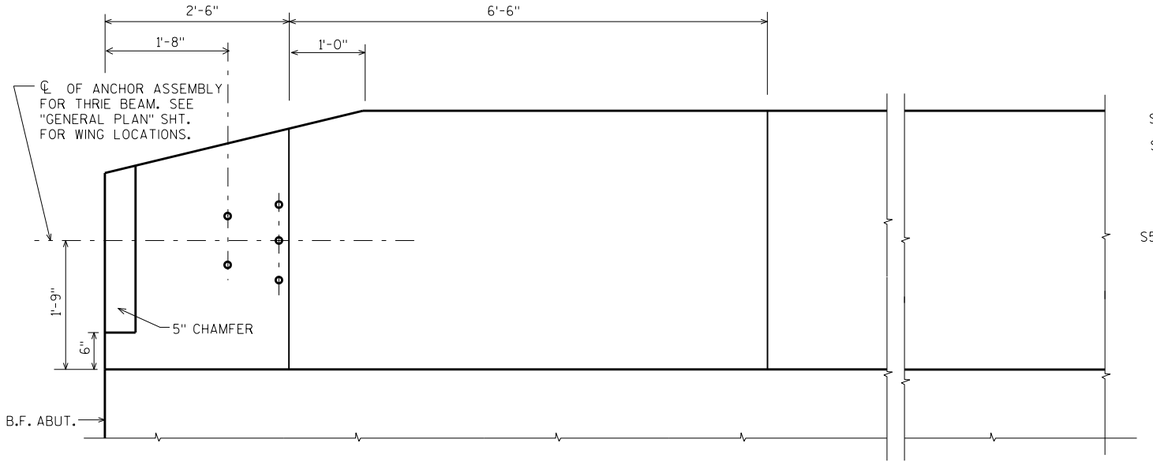
SCALE = 1.00

8

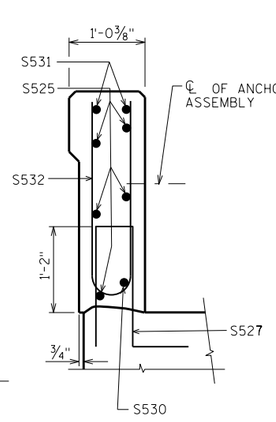
12
7
1 2 3 4

STATE PROJECT NUMBER

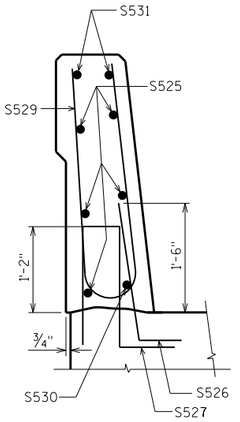
9190-26-73



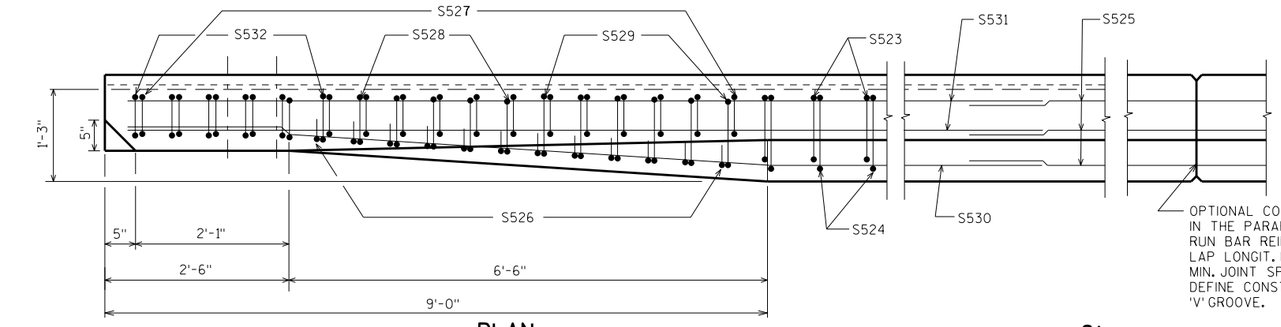
INSIDE ELEVATION



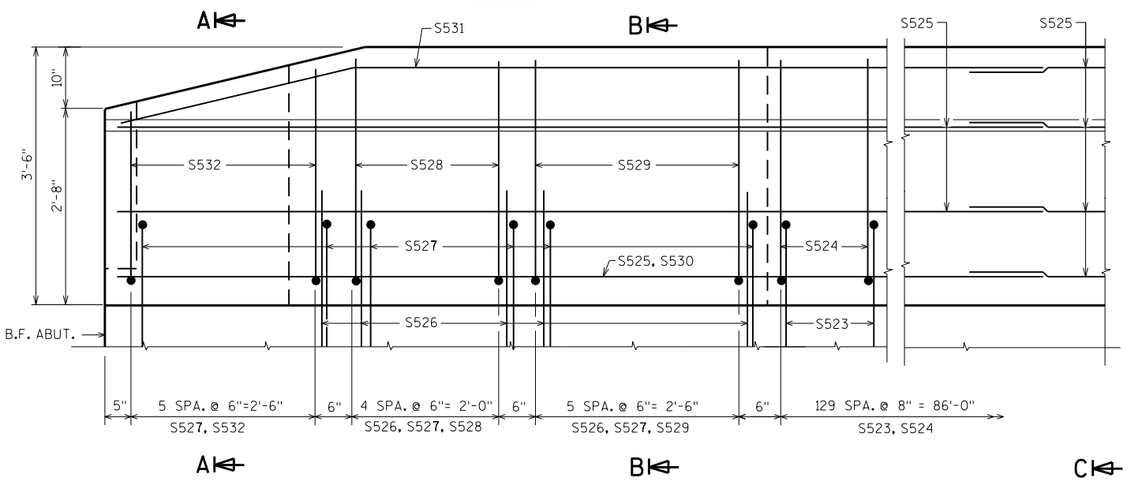
SECTION A



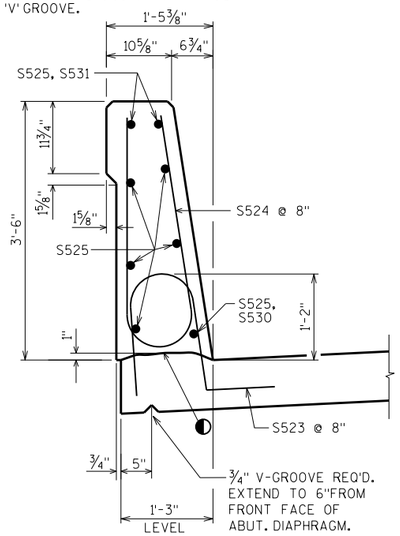
SECTION B



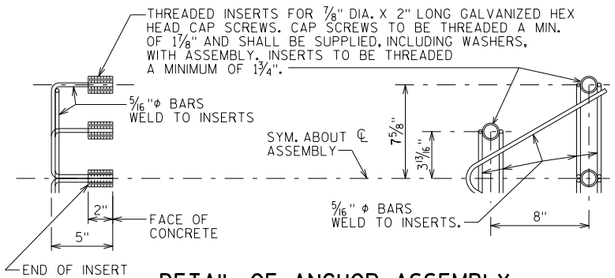
PLAN



OUTSIDE ELEVATION



SECTION C



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-58-130

DRAWN BY DDS | PLANS CK'D. JDM

PARAPET 42SS ENDING ON DECK (AT NE CORNER)

SHEET 14

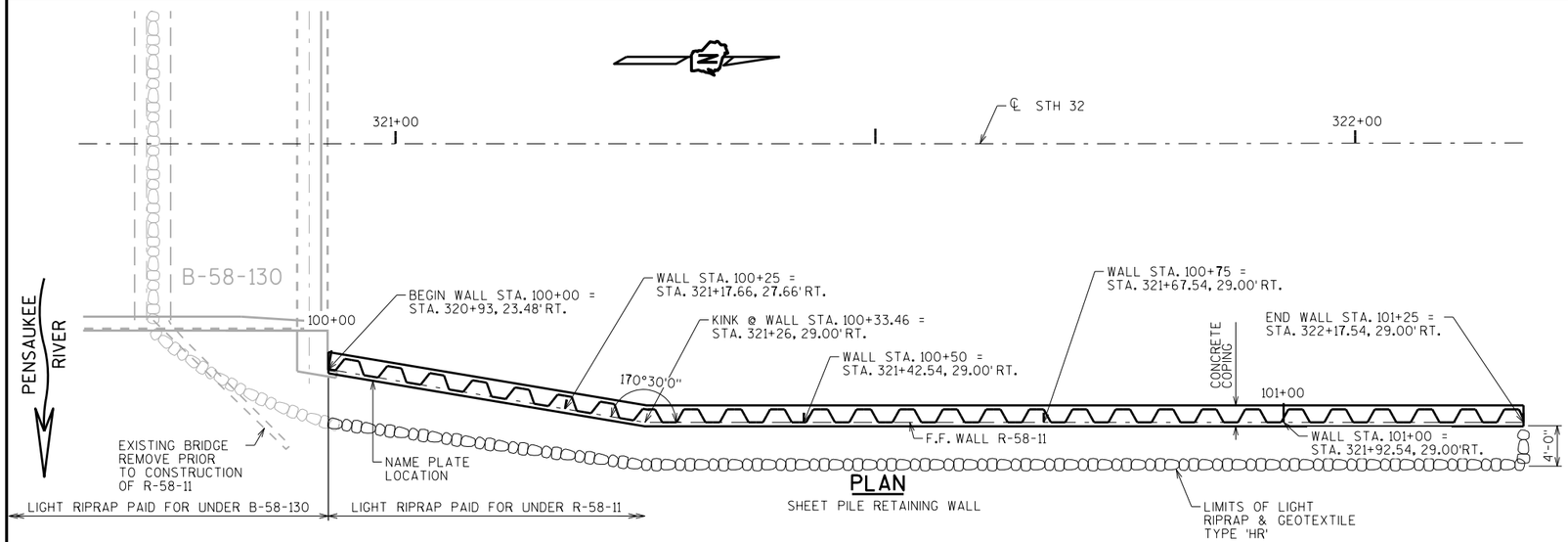
8

8

SCALE = 1.00

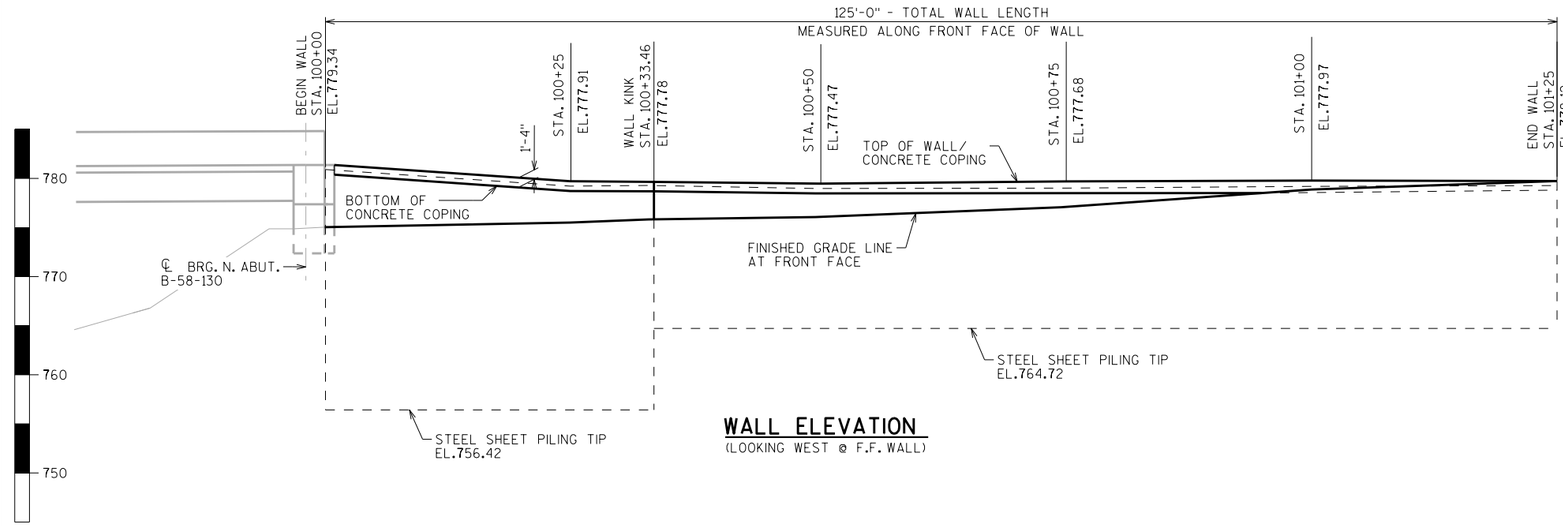
STATE PROJECT NUMBER

9190-26-73



PLAN

SHEET PILE RETAINING WALL



WALL ELEVATION

(LOOKING WEST @ F.F. WALL)

DESIGN DATA

LIVE LOAD:

LIVE LOAD SURCHARGE (ROADWAY) ——— 100 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY RETAINING WALL ——— f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.
STEEL SHEET PILING (ASTM A328) ——— fy = 39,000 P.S.I.
MIN. REQ'D SECTION MODULUS = 19.0 IN^3/FT.

TRAFFIC VOLUME

STH 32

ADT = 3,400 (2041)
R.D.S. = 55 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

ALL WALL STATIONING AND OFFSETS ARE GIVEN TO THE FRONT FACE OF R-58-11.

THE PLAN QUANTITY FOR THE BID ITEM "PILING STEEL SHEET PERMANENT DELIVERED" AND "PILING STEEL SHEET PERMANENT DRIVEN" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF CUTOFF (ESTIMATED AS 10" BELOW TOP OF WALL / COPING ELEVATION TO THE SHEET PILE TIP ELEVATION.

COORDINATE THE CONSTRUCTION OF WALL R-58-11 WITH BRIDGE B-58-130.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD ⅛" BELOW THE SURFACE.)

* BAR STEEL REINFORCEMENT HS COATED STRUCTURES QUANTITY IS FOR INFORMATIONAL PURPOSES ONLY. ACTUAL QUANTITIES WILL DEPEND ON NUMBER AND SPACING OF COPING EXPANSION AND CONTRACTION JOINTS.

THE EXISTING GROUND LINE SHALL BE USED AT THE UPPER LIMITS OF EXCAVATION

☆ STEEL SHEET PILING NEED NOT BE PAINTED PER STANDARD SPEC 512.3.3

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	206.3000	EXCAVATION FOR STRUCTURES RETAINING WALL R-58-11	LS	1
	504.0500	CONCRETE MASONRY RETAINING WALLS	CY	11
*	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,000
☆	512.0500	PILING STEEL SHEET PERMANENT DELIVERED	SF	1,940
☆	512.0600	PILING STEEL SHEET PERMANENT DRIVEN	SF	1,940
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	2
	606.0100	RIPRAP LIGHT	CY	40
	645.0120	GEOTEXTILE TYPE HR	SY	113
		NON-BID ITEMS		
		FILLER	SIZE	¾", 1"

GEOMETRY TABLE

LOCATION	WALL STATION	R/L STATION	OFFSET (FRONT FACE) FROM R/L STATION	TOP OF WALL	FINISHED GRADE @ F.F. OF WALL	EXISTING GRADE @ F.F. OF WALL
START WALL	100+00	320+93.00	23.48 RT.	779.34	773.03	776.98
BEGIN	100+25	321+17.66	27.66 RT.	777.91	773.50	774.81
WALL KINK	100+33.46	321+26.00	29.00 RT.	777.78	773.82	774.24
———	100+50	321+42.54	29.00 RT.	777.47	774.16	774.19
———	100+75	321+67.54	29.00 RT.	777.68	775.16	775.14
———	101+00	321+92.54	29.00 RT.	777.97	776.41	775.22
END WALL	101+25	322+17.54	29.00 RT.	778.12	778.12	778.12

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL DETAILS
3. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:

JOEL MAAS (608) 267-0273
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-58-11

ALONG STH 32

COUNTY	TOWN/~~CITY/VILLAGE~~
SHAWANO	ANGELICA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JDM	EMK	JDM	EMK

GENERAL PLAN

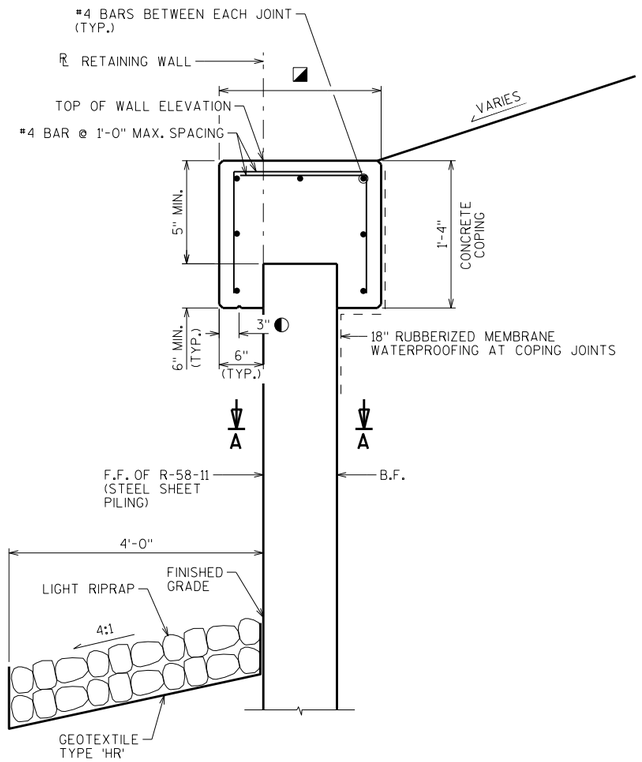
SHEET 1 OF 3

I.D. 9190-26-00D DATE: JULY 2018

SCALE = 7.50

STATE PROJECT NUMBER

9190-26-73

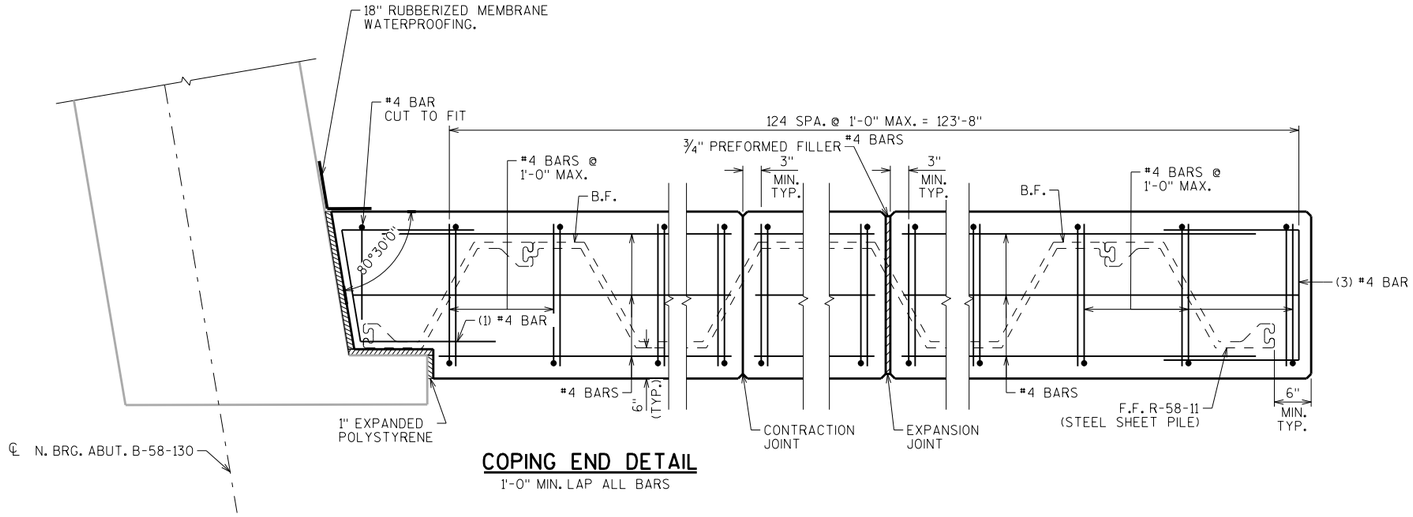


TYPICAL SECTION

LOOKING SOUTH

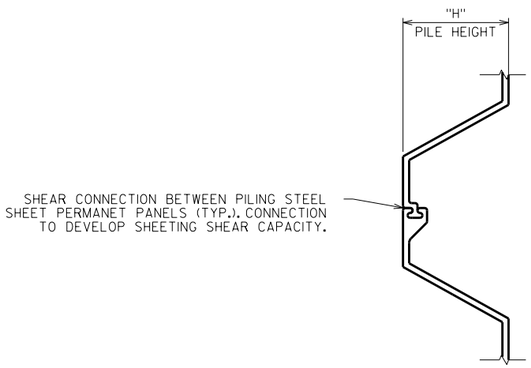
◐ 3/4" CONTINUOUS DRIP EDGE, TERMINATE 6" FROM END OF WALLS

◪ DIMENSION TO BE DETERMINED BY CONTRACTOR ("H" DIMENSION OF PILE + 1'-0")

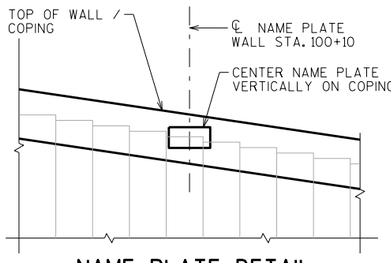


COPING END DETAIL

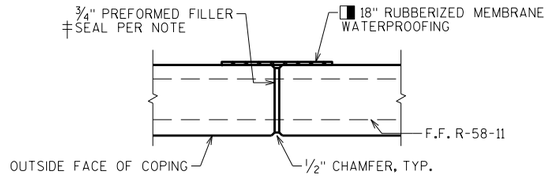
1'-0" MIN. LAP ALL BARS



SECTION A-A



NAME PLATE DETAIL

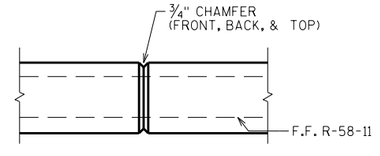


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE 1/8" BELOW SURFACE OF CONC.)

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 12" BELOW TOP OF SHEET PILES.



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-58-11

DRAWN BY JDM | PLANS CK'D. EMK

WALL DETAILS

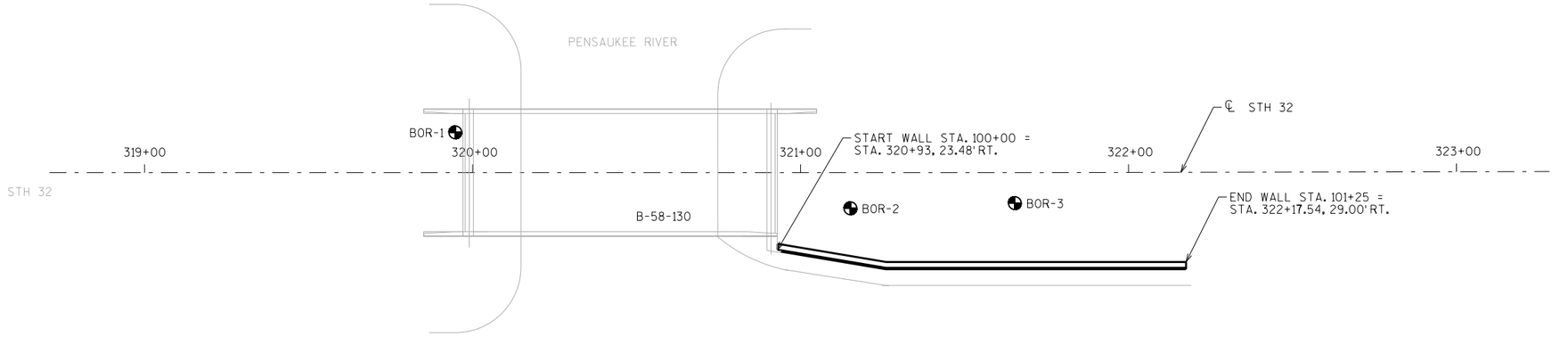
SHEET 2

8

8

SCALE = 10.00

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	3/12/2018	133621	510778
2	3/07/2018	133743	510787
3	3/07/2018	133793	510779
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SHAWANO COUNTY			



* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

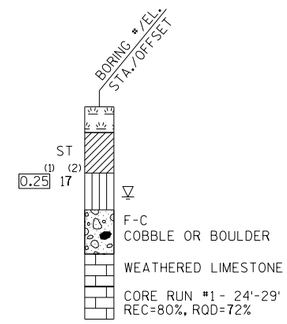
STATE PROJECT NUMBER

9190-26-73

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-58-11

DRAWN BY TLP.JDM | PLANS CK'D. EMK

SUBSURFACE EXPLORATION

SHEET 3

SCALE = 20.00

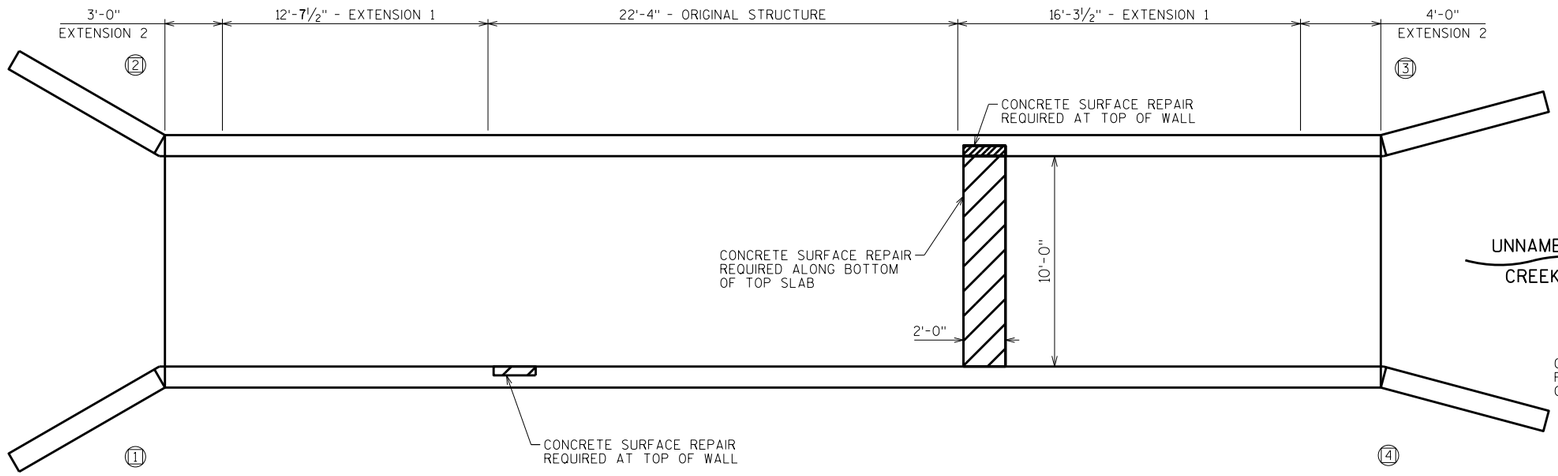
8

8

STATE PROJECT NUMBER

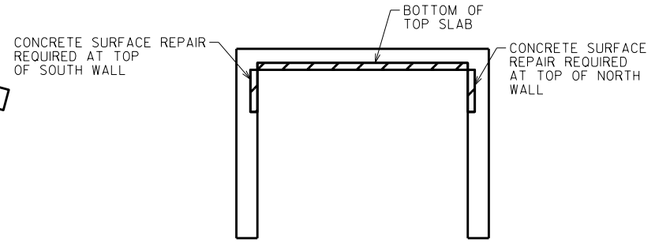
9190-26-73

(1) INDICATES WING NUMBER

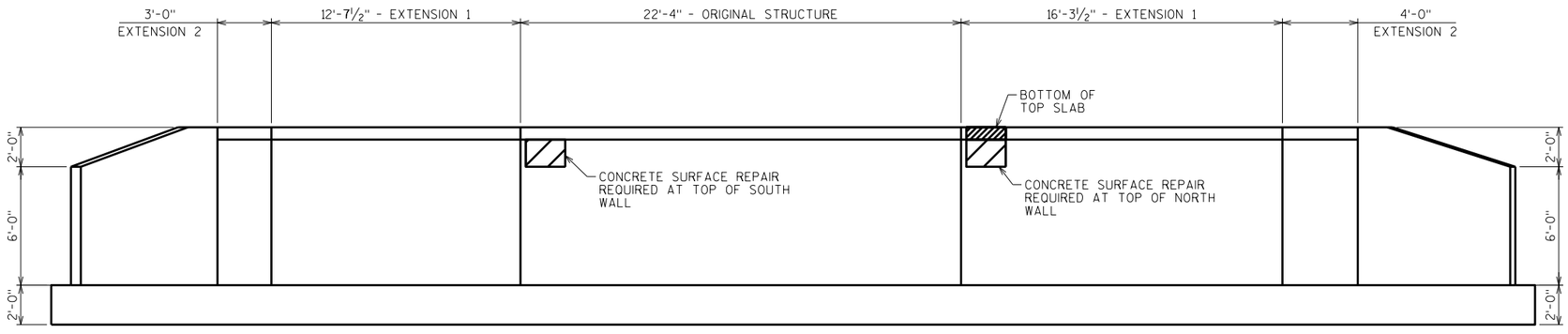


PLAN

UNNAMED CREEK



CROSS SECTION
(LOOKING UPSTREAM)



INLET ELEVATION OUTLET

TOTAL ESTIMATED QUANTITIES

509.1500 CONCRETE SURFACE REPAIR ——— 30 SF

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL AND EXTENSION STRUCTURAL PLANS.

WORK TO BE DONE IN DRY CONDITIONS.

LIST OF DRAWINGS

1. SURFACE REPAIR

STRUCTURE DESIGN CONTACTS:

JOEL MAAS (608) 267-0273

AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-58-18

STH-32 OVER UNNAMED CREEK

COUNTY SHAWANO | TOWN ANGELICA

DESIGN SPEC.

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JDM	SAD	JDM	SAD

SURFACE REPAIR

SHEET 1 OF 1

I.D. 9190-26-00B DATE: JUNE 2017

SCALE = 3.50

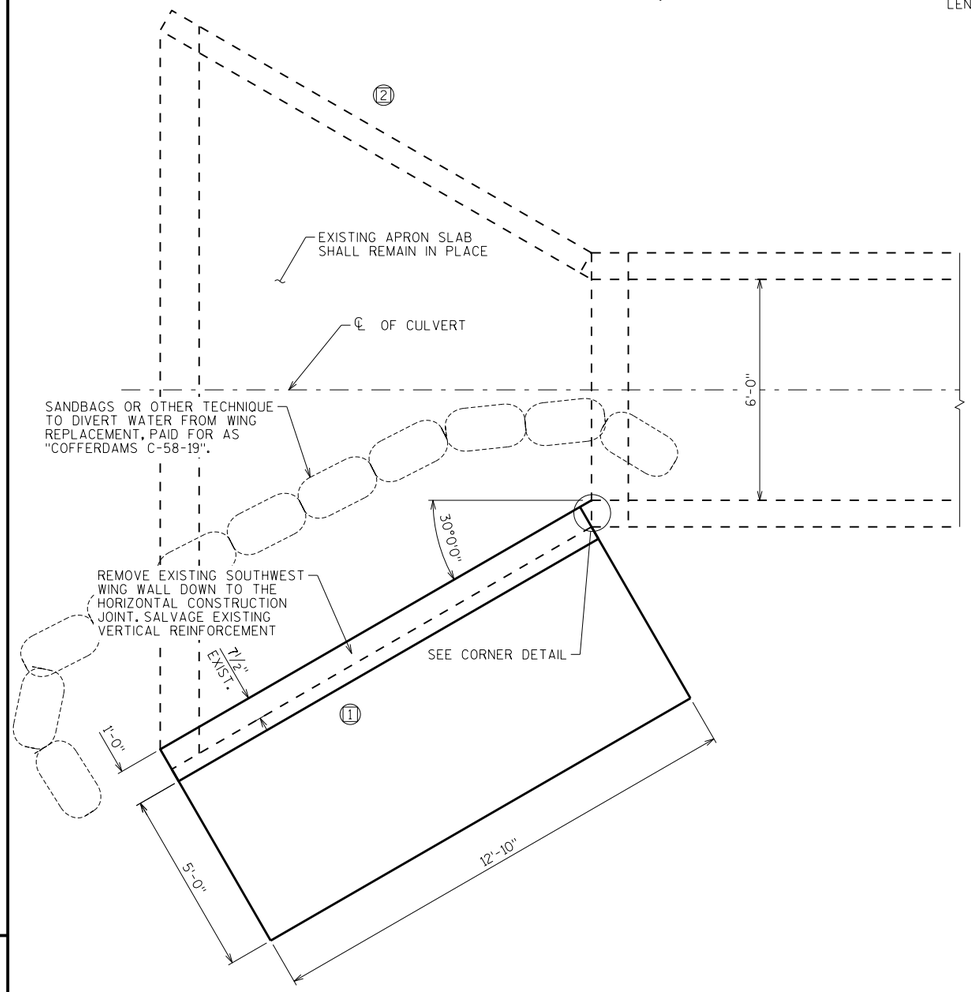
8

8

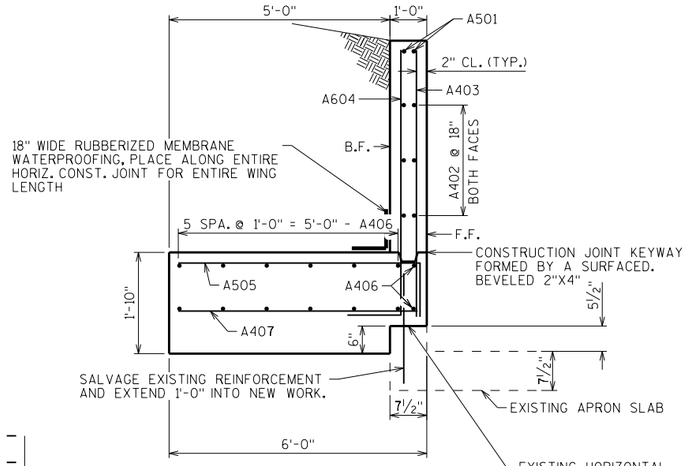
STATE PROJECT NUMBER

9190-26-73

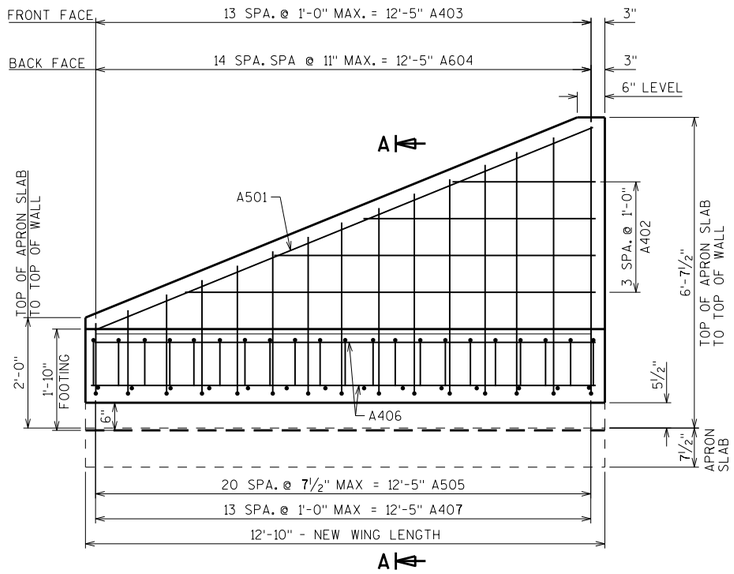
INDICATES WING NUMBER



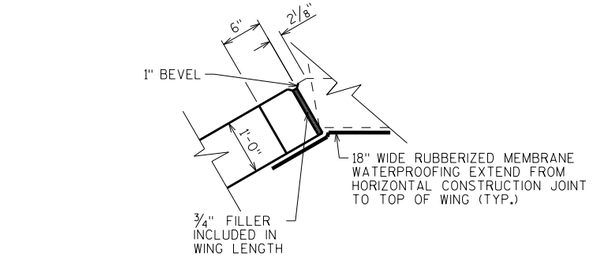
PLAN OF WING REPLACEMENT



SECTION A-A



SECTION THRU WING



CORNER DETAIL

BILL OF BARS

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

BAR MARK	COAT	NO. REQ'D.	LENGTH	BAR SERIES	LOCATION
A501	X	2	13'-2"		WING HORIZ. BOTH FACES TOP
A402	X	8	6'-6"	⚠	WING HORIZ. BOTH FACES
A403	X	14	3'-7"	⚠	WING VERT. FRONT FACE
A604	X	15	4'-4"	⚠	WING VERT. BACK FACE
A505	X	21	6'-4"		WING FOOTING
A406	X	14	12'-5"		WING FOOTING
A407	X	14	5'-8"		WING FOOTING

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

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTHS FOR EACH SERIES
A402	2 SERIES OF 3	2'-6" TO 10'-6"
A403	1 SERIES OF 10	1'-3" TO 5'-10"
A604	1 SERIES OF 15	2'-1" TO 6'-8"

BUNDLE AND TAG EACH SERIES SEPARATELY

TOTAL ESTIMATED QUANTITIES

BID ITEMS

203.0200	REMOVING OLD STRUCTURE STA.271+60	1	LS
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-58-19	1	LS
206.5000	COFFERDAMS C-58-19	1	LS
210.2500	BACKFILL STRUCTURE TYPE B	30	TON
504.0100	CONCRETE MASONRY CULVERTS	7	CY
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	500	LB
511.1200	TEMPORARY SHORING C-58-19	110	SF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	3	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

A604, A505

DRAWINGS SHALL NOT BE SCALED.

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

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE TOP OF THE WING WITHIN THE LENGTH OF THE WING WALL.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-58-19" SHALL BE THE EXISTING GROUND LINE.

DESIGN DATA

MATERIAL PROPERTIES:

CONCRETE MASONRY, GRADE A-FA — f'_c = 3,500 P.S.I.

HIGH STRENGTH BAR STEEL REINFORCEMENT — f_y = 60,000 P.S.I.

STRUCTURE DESIGN CONTACTS:

JOEL MAAS (608) 267-0273

AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-58-19

STH 32 OVER DRAINAGE WAY

COUNTY: COUNTY | TOWN: ANGELICA

DESIGN SPEC.

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JDM	SAD	JDM	SAD

WING REPLACEMENT

SHEET 1 OF 1

I.D. 9190-26-00C

DATE: JUNE 2017

SCALE = 2.00

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Division	From/To Station	Location	205.0100 Common Excavation (1)		Salvaged/Unusable Pavement Material	Available Material (3)	205.0500 Marsh Excavation	205.0200 Rock Excavation	Reduced Marsh in Fill	Reduced EBS in Fill	Expanded Marsh Backfill	Expanded EBS Backfill	Expanded Rock	Unexpanded Fill	Expanded Fill Factor = 1.15 (4)	Mass Ordinate +/- (5)	Waste	208.0100 Borrow	Comments:
			Cut (2)	EBS Excavation											Factor 1.15				
Division 1	316+68.36/324+83.93	STH 32	741	0	228	513	0	0	0	0	0	0	0	1,296	1,491	-978	0	978	
Division 1 Subtotal			741	0	228	513	0	0	0	0	0	0	0	1,296	1,491	-978	0	978	
Grand Total			741	0	228	513	0	0	0	0	0	0	0	1,296	1,491	-978	0	978	
Total Common Exc			741																

Notes:

(1) Common Excavation is the sum of the Cut and EBS Excavation columns.

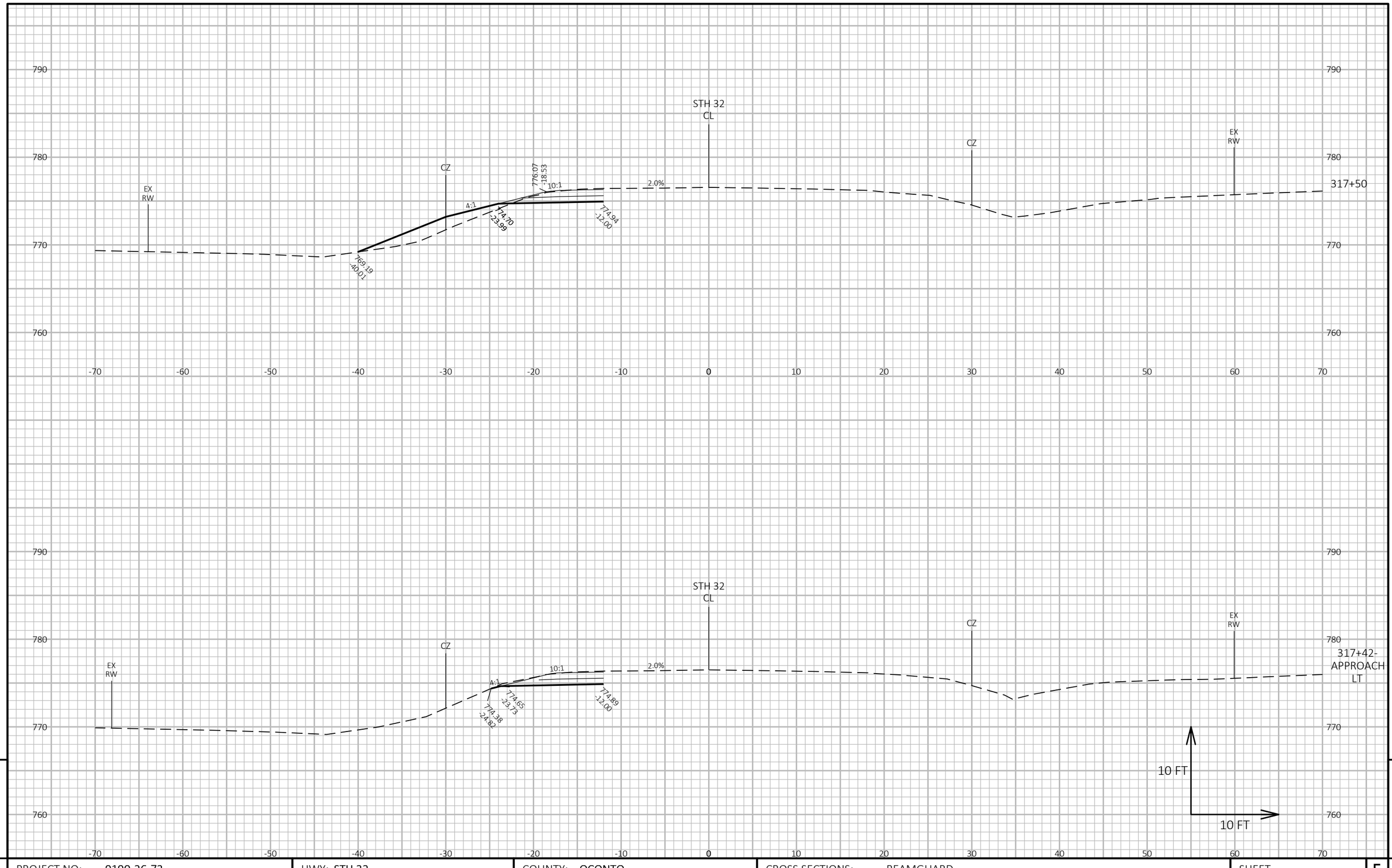
(2) Salvaged/Unsuable Pavement Material is included in Cut.

(3) Available Material = Cut - Salvaged/Unusuable Pavement Material

(4) Expanded Fill Factor = 1.15

(5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

(6) All quantities in CY



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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

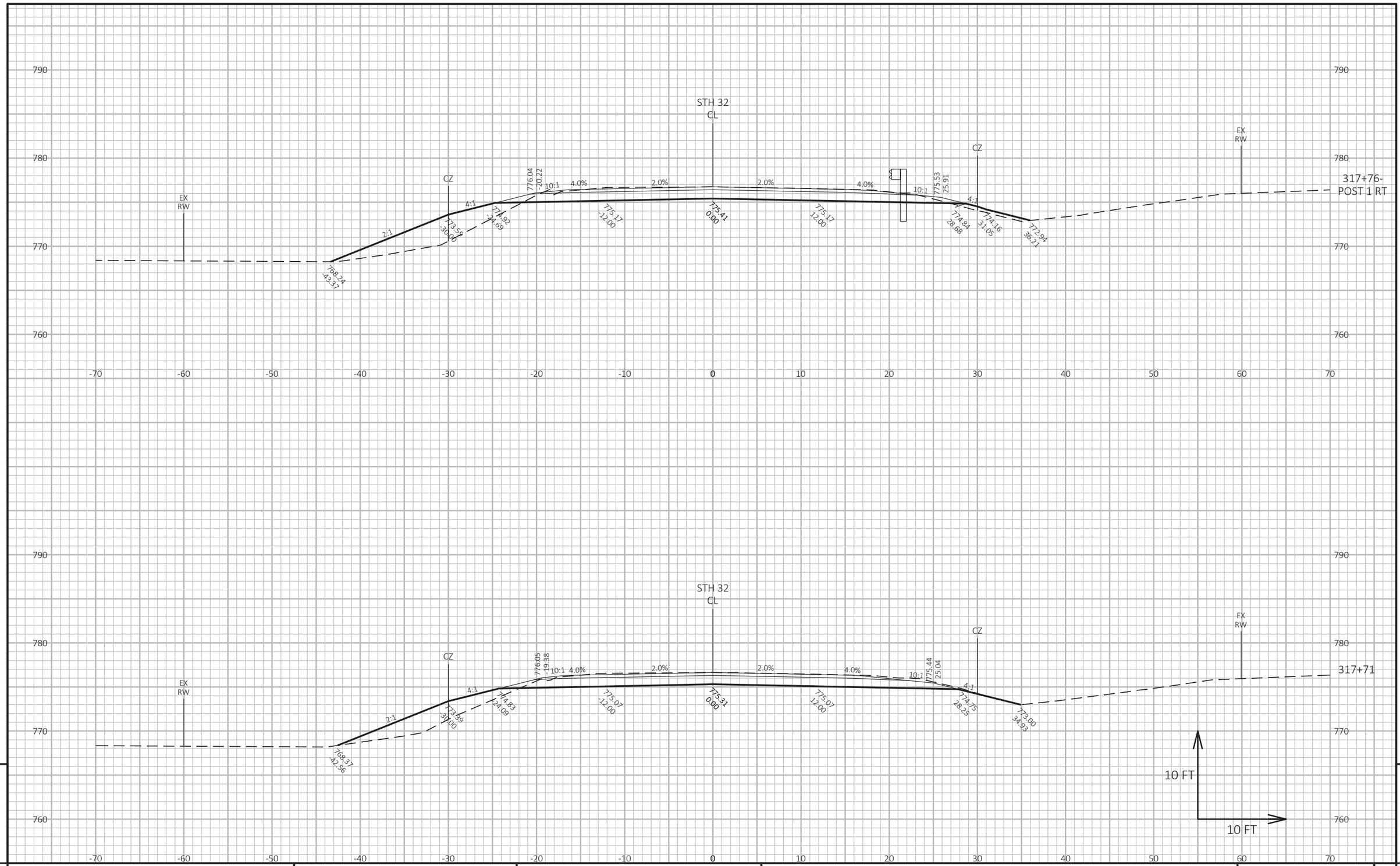
FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090110_xs 73

PLOT DATE : 10/4/2018 9:01 AM

PLOT BY : CREAPEAU, QUINTON D

PLOT NAME :

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



PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

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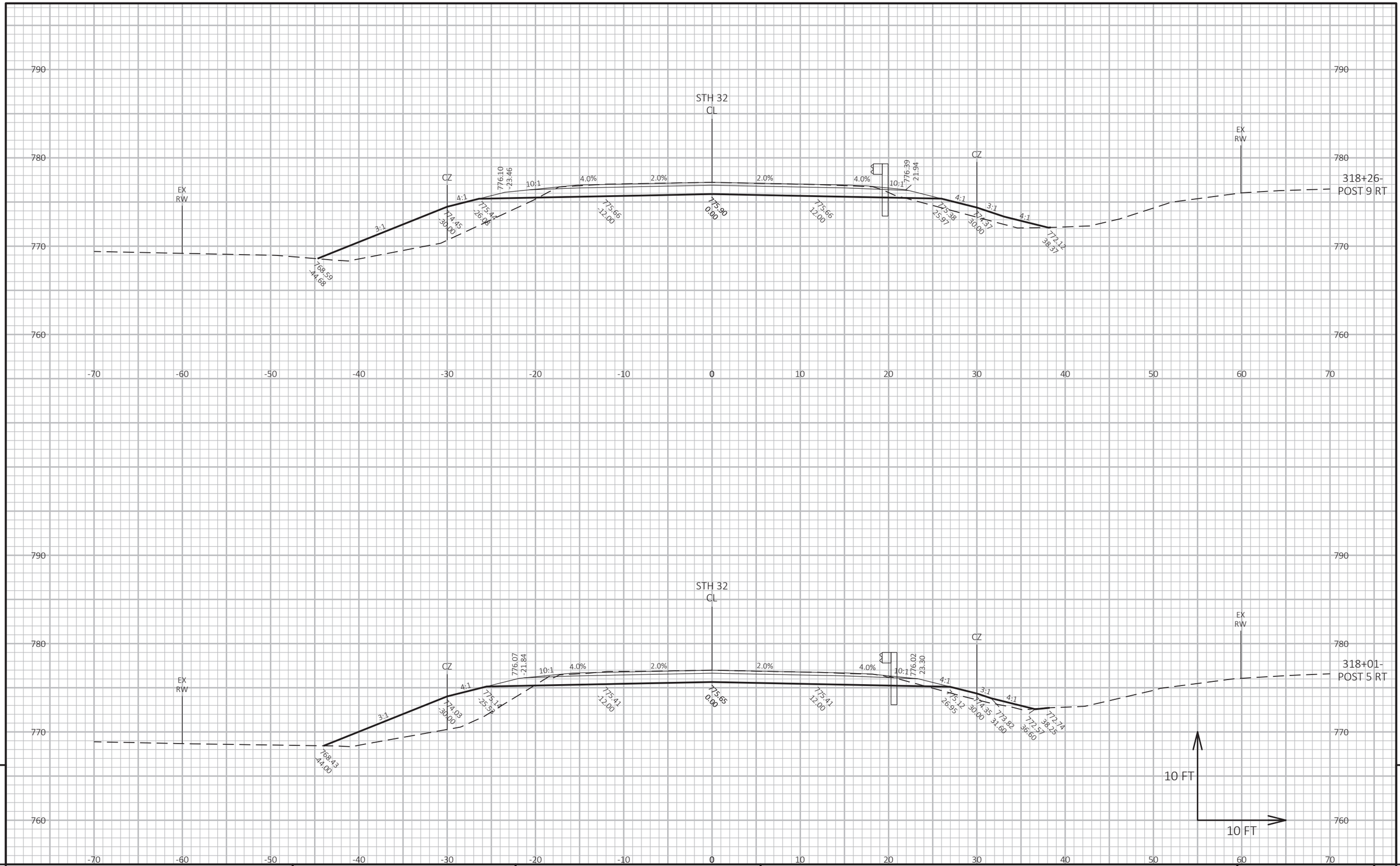
LAYOUT NAME - 090111_xs

PLOT DATE : 1/31/2018 2:46 PM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9	PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090112_xs

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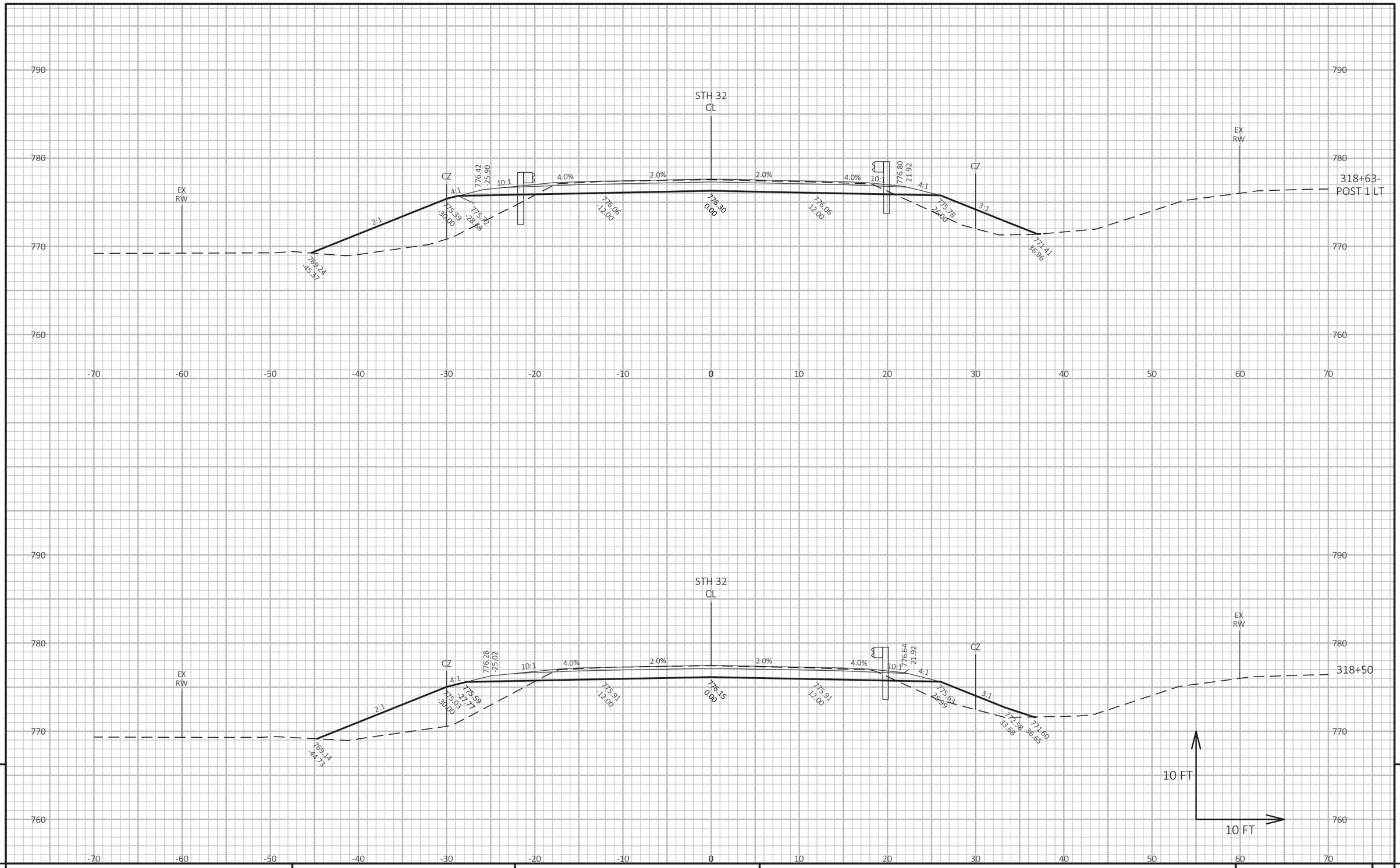

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

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LAYOUT NAME - 090113_xs

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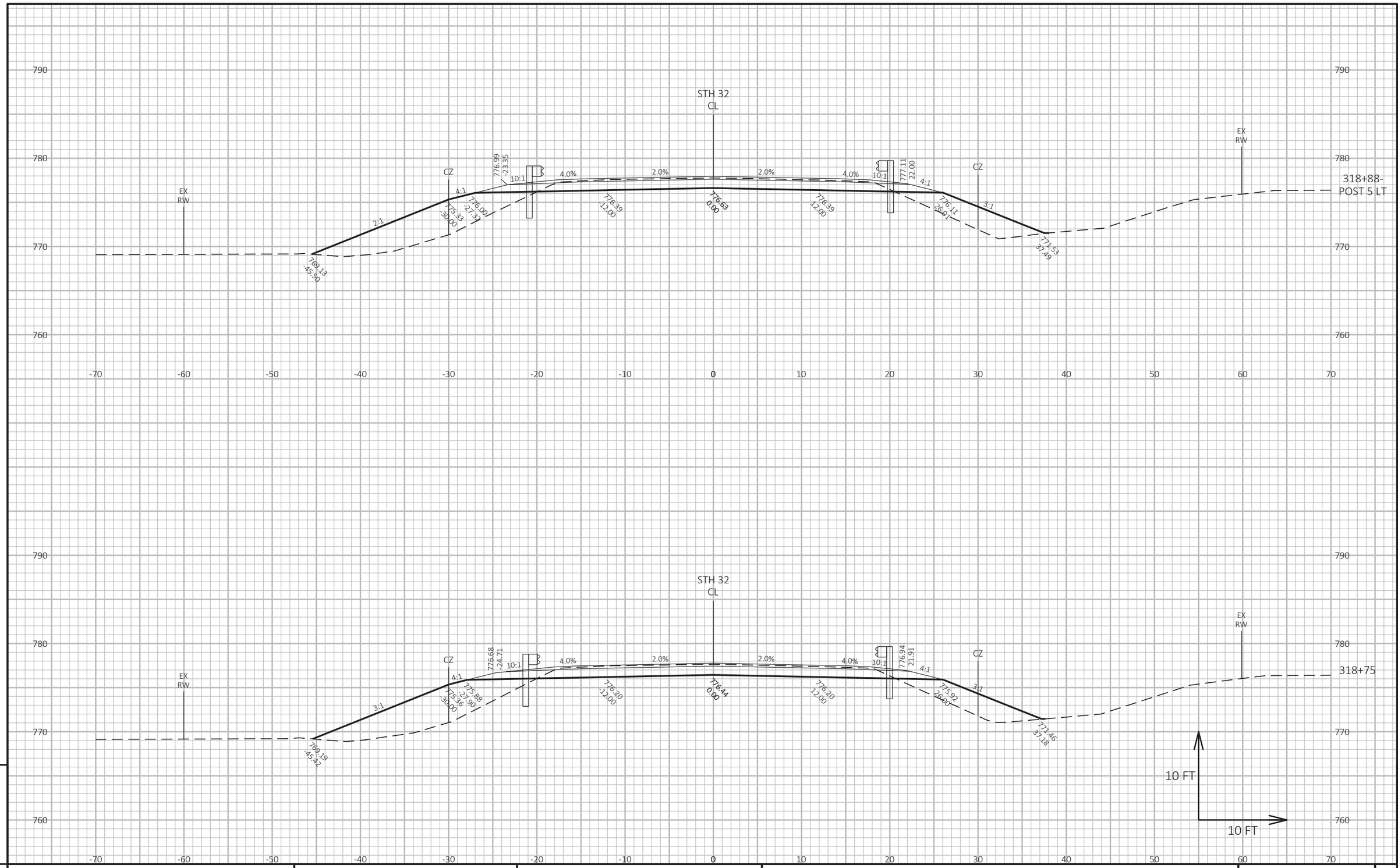

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

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LAYOUT NAME - 090114_xs

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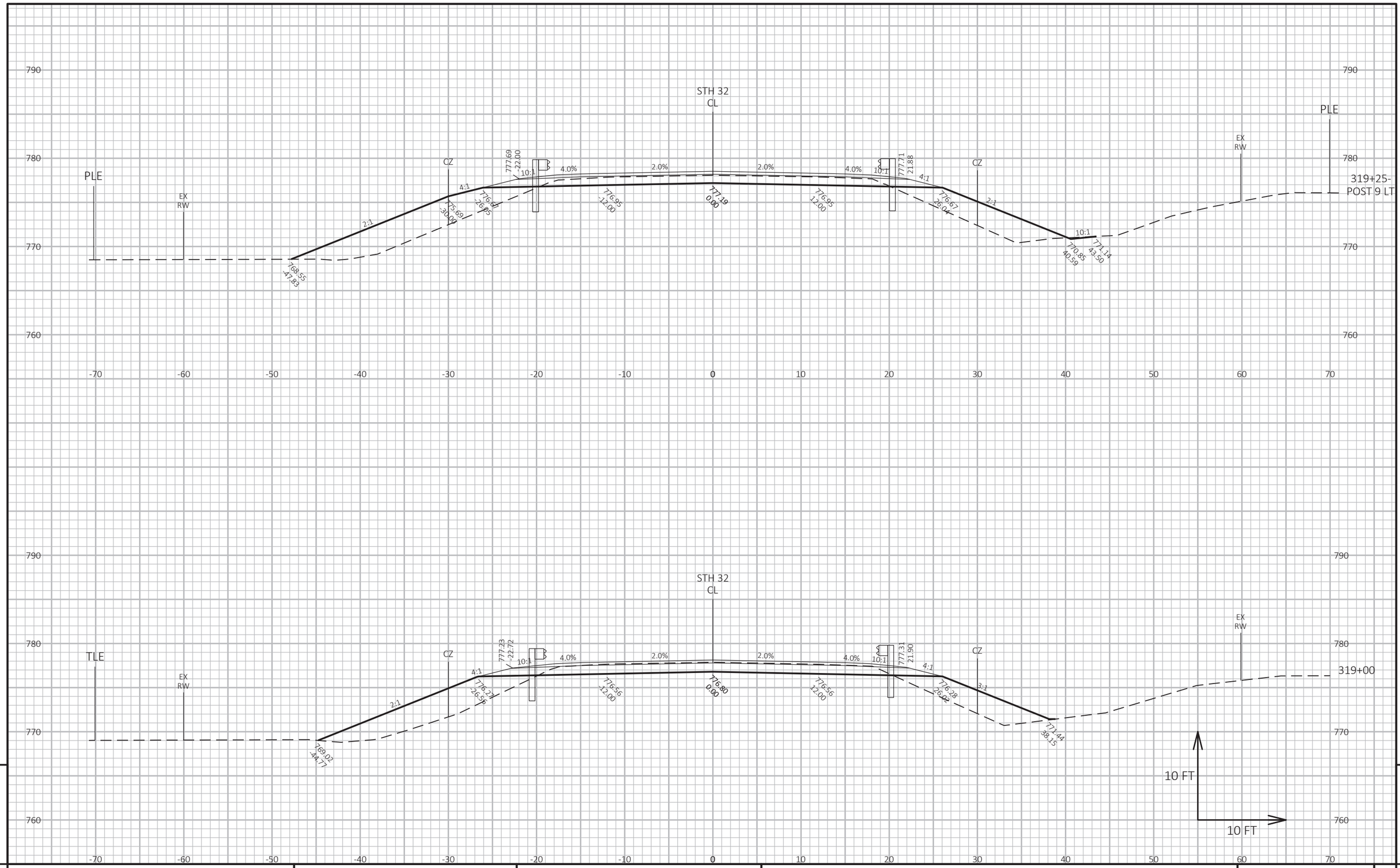

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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

9

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LAYOUT NAME - 090115_xs

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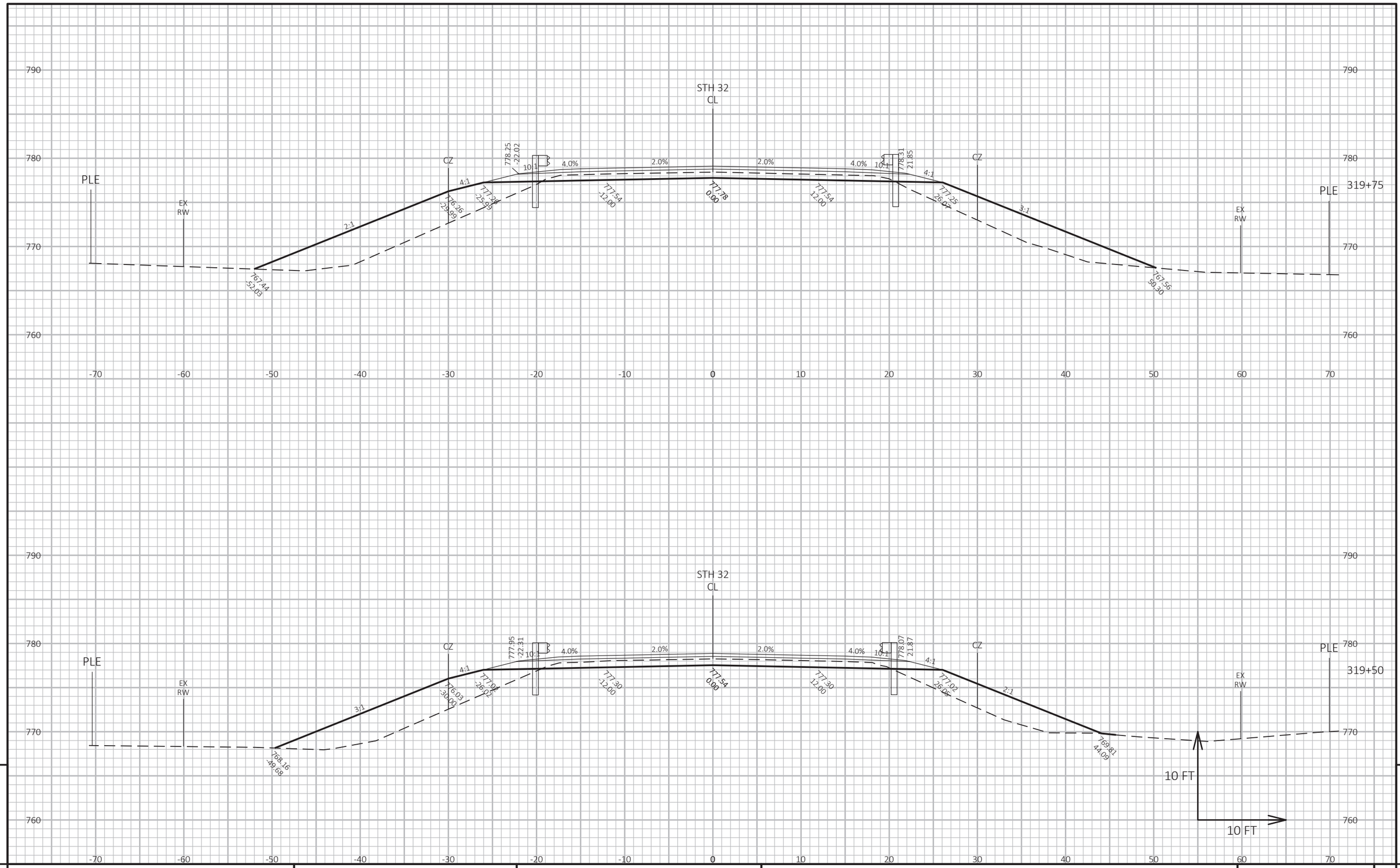

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

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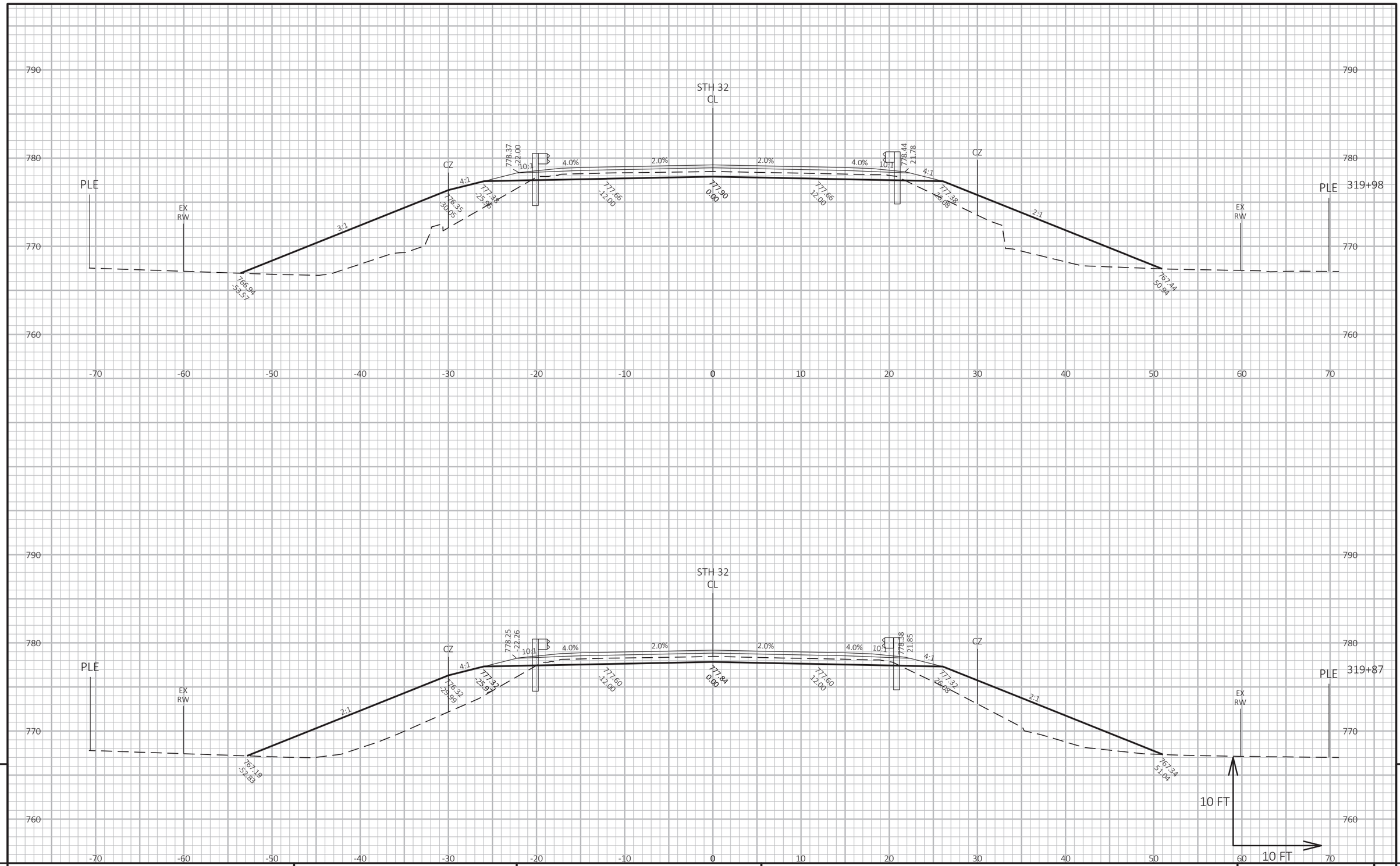

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090117_xs

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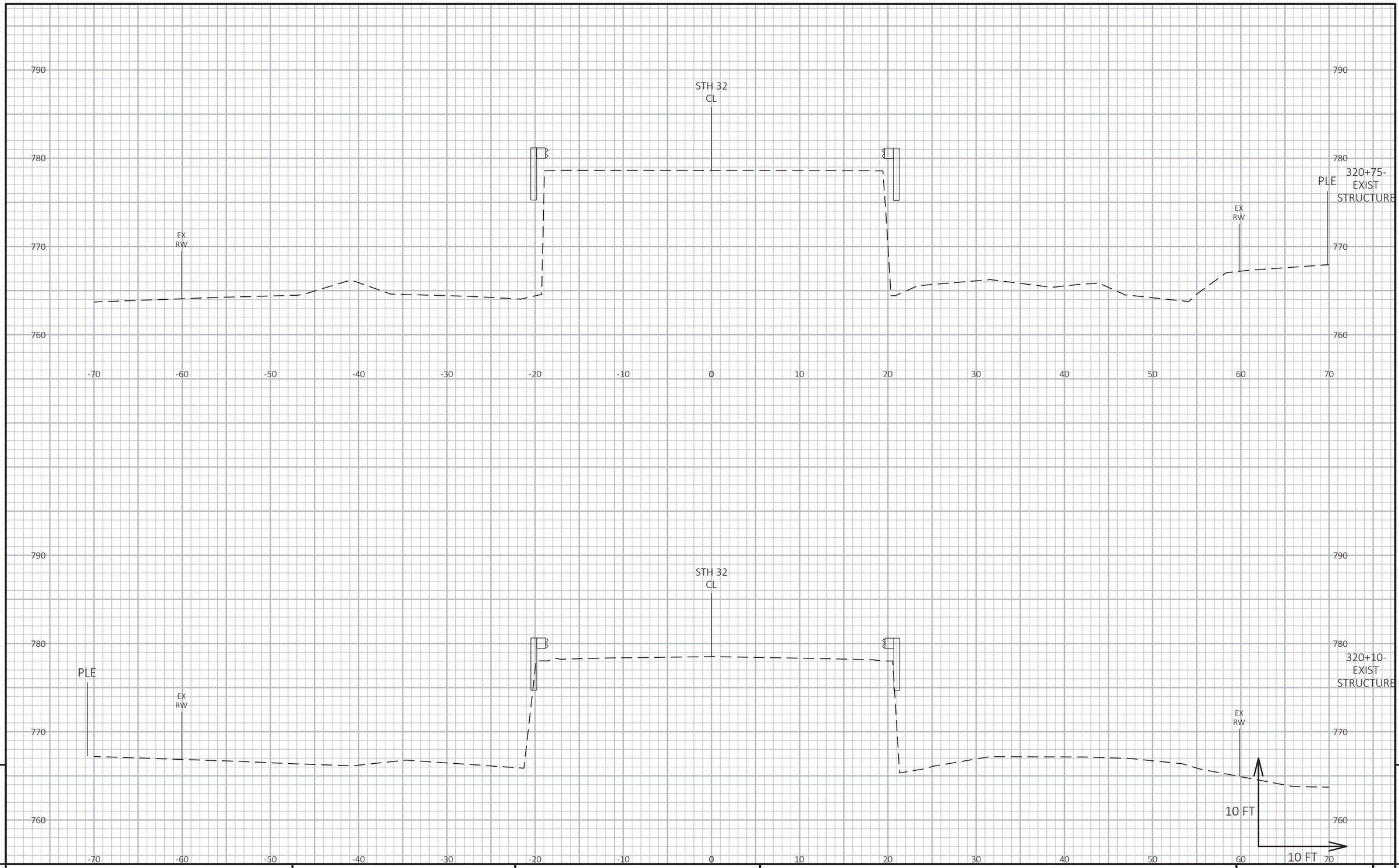

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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD	SHEET	E

9

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090118_xs

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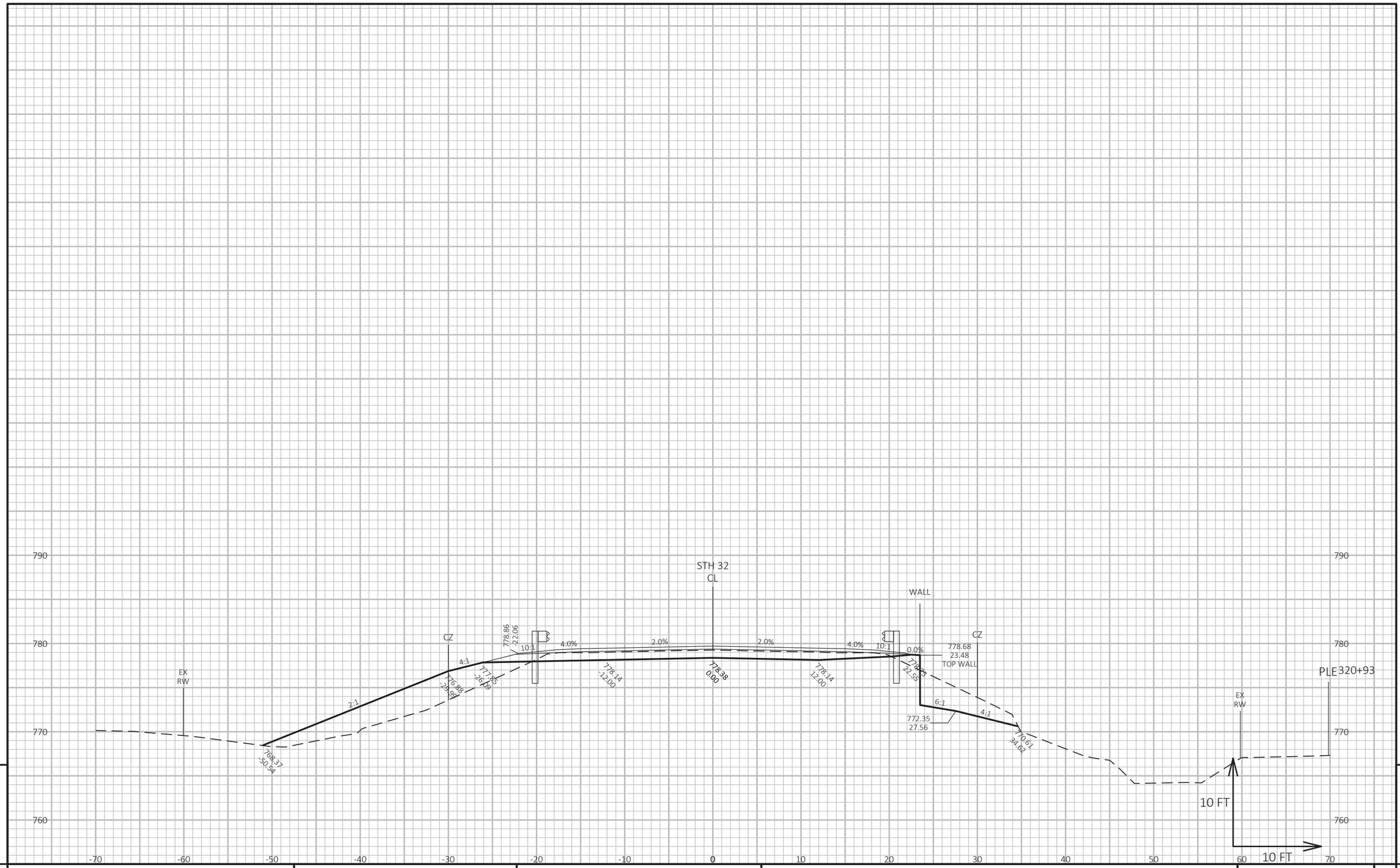

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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
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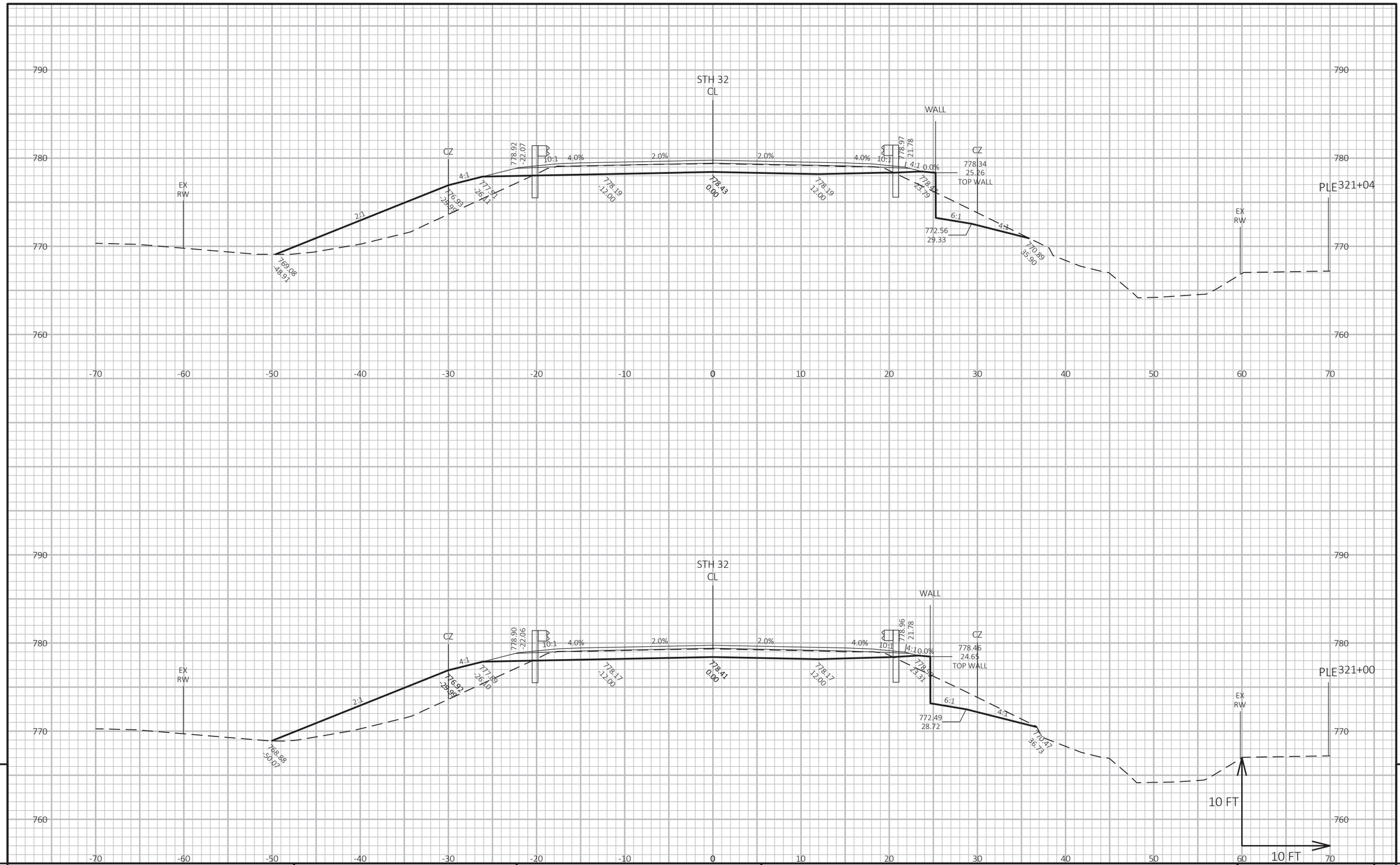

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090120_xs

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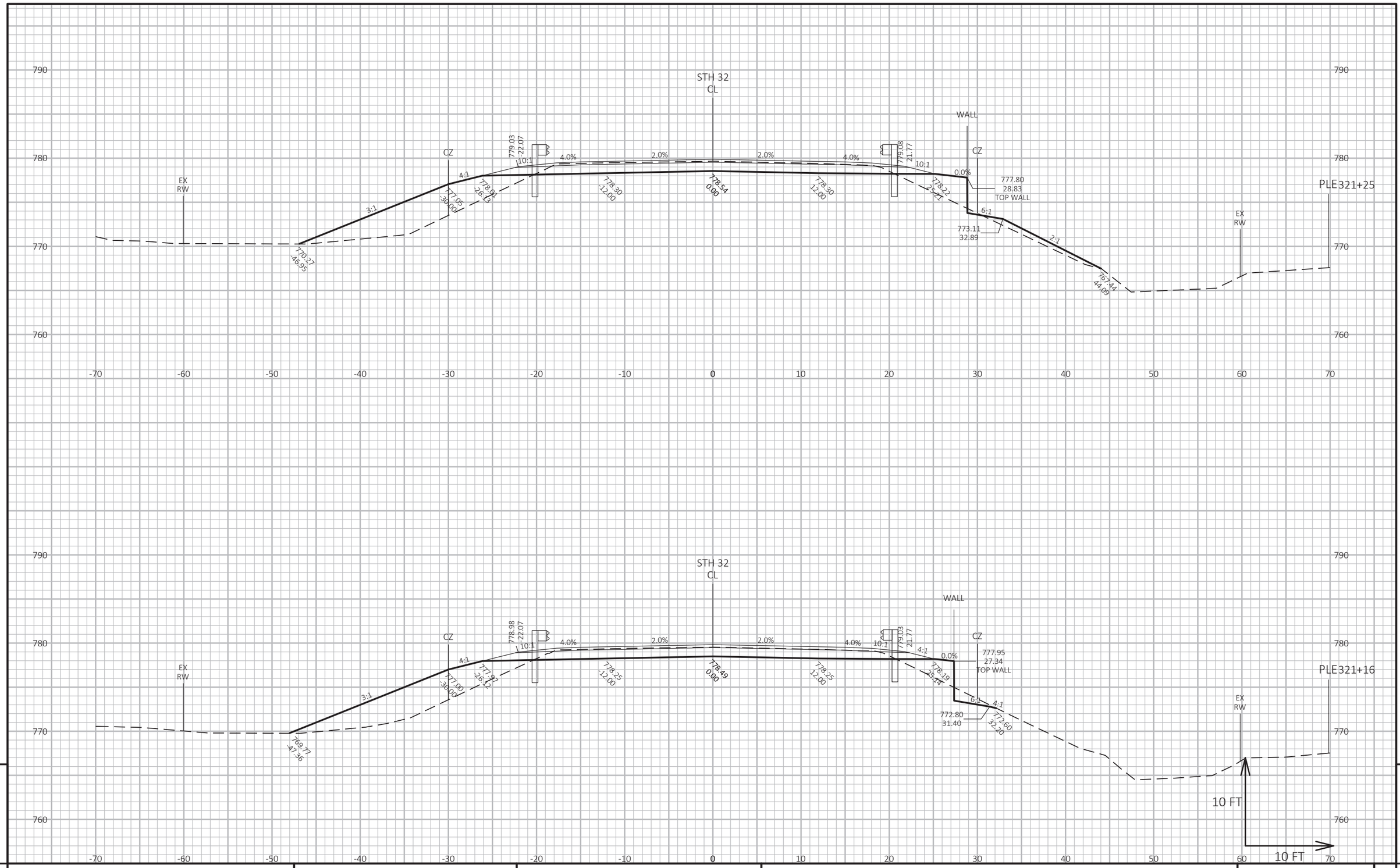

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

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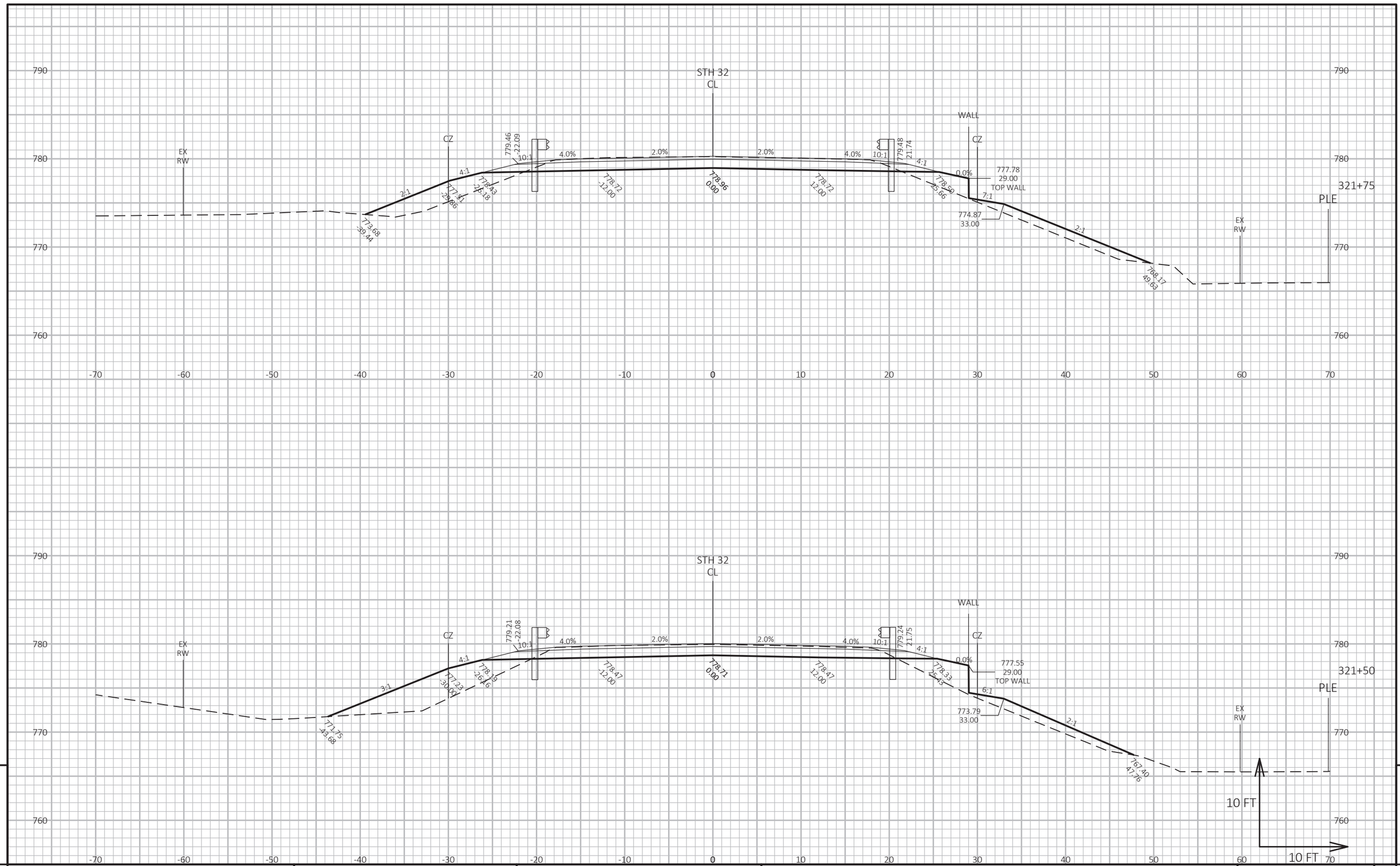

PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

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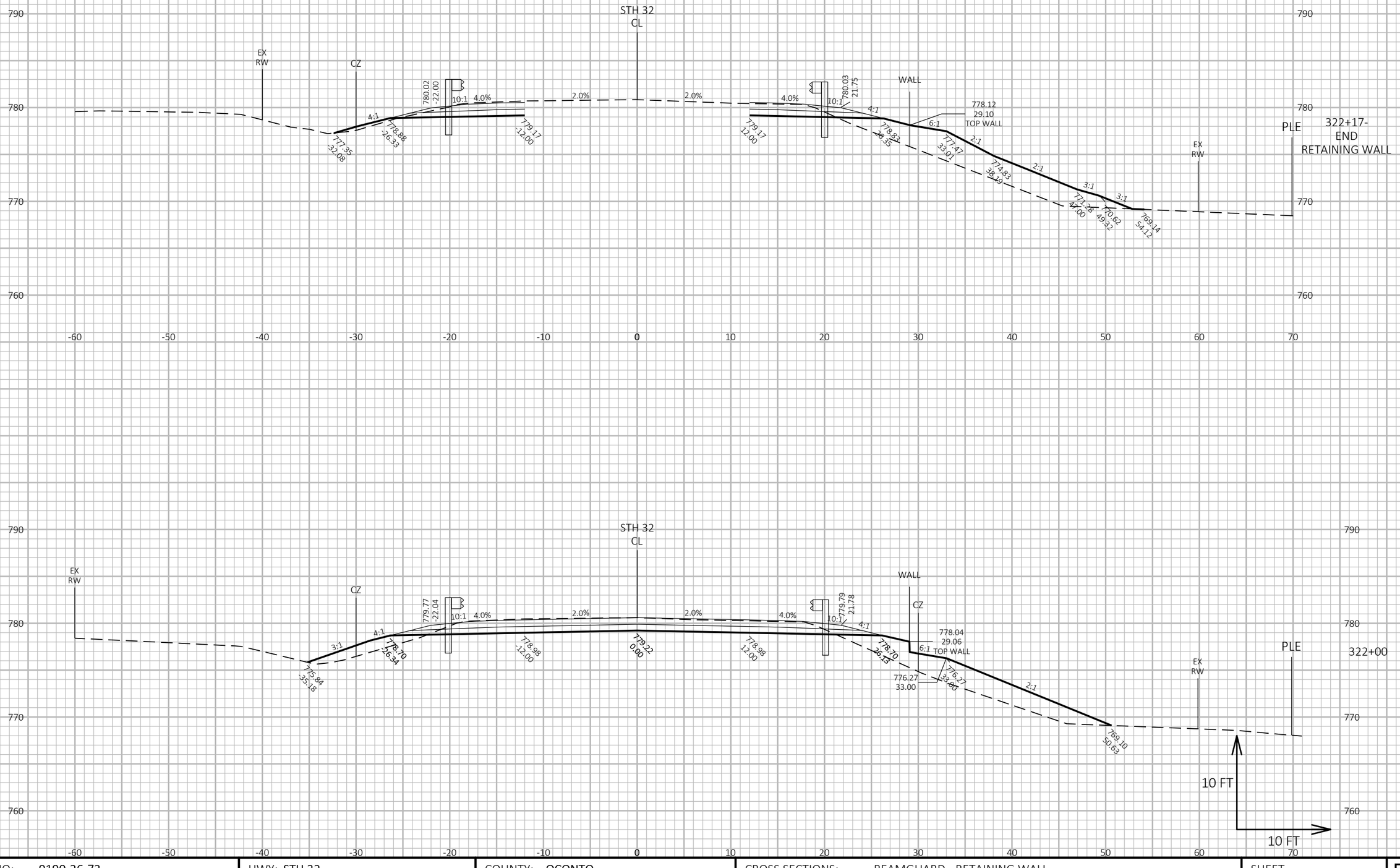
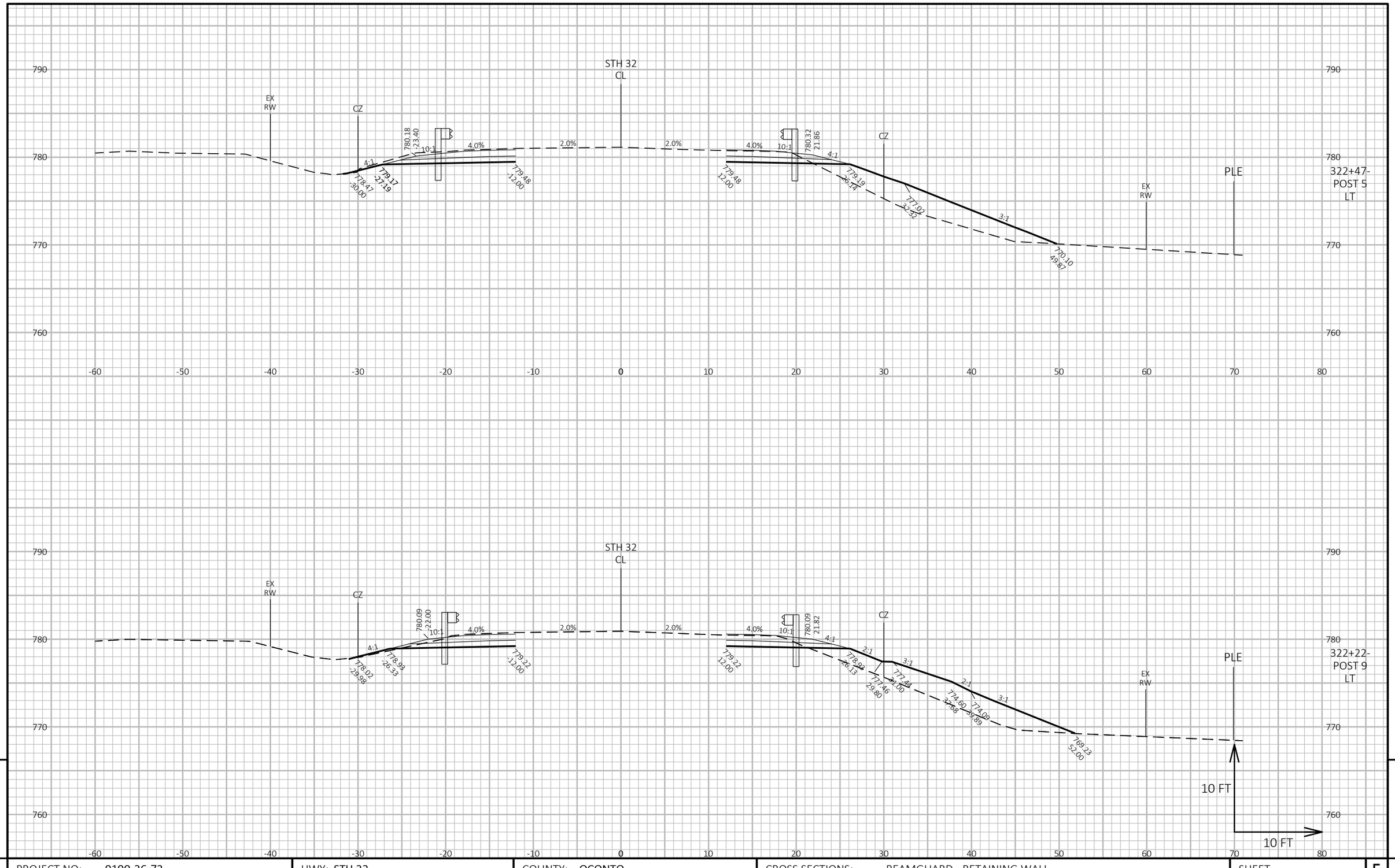


PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090123_xs 73

PLOT DATE : 10/4/2018 8:59 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
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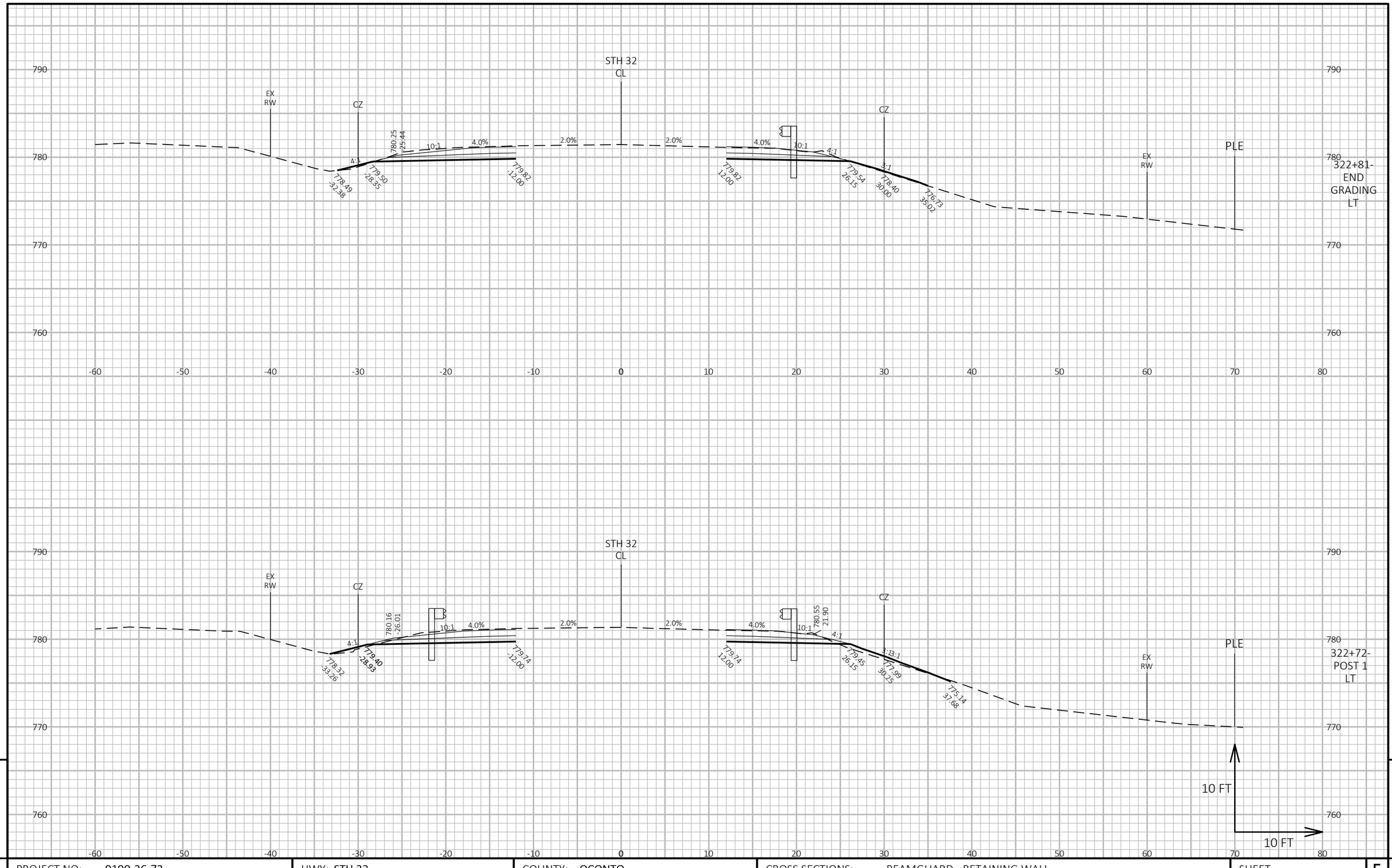
PLOT DATE : 10/4/2018 8:59 AM

PLOT BY : CREAPEAU, QUINTON D

PLOT NAME :

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



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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

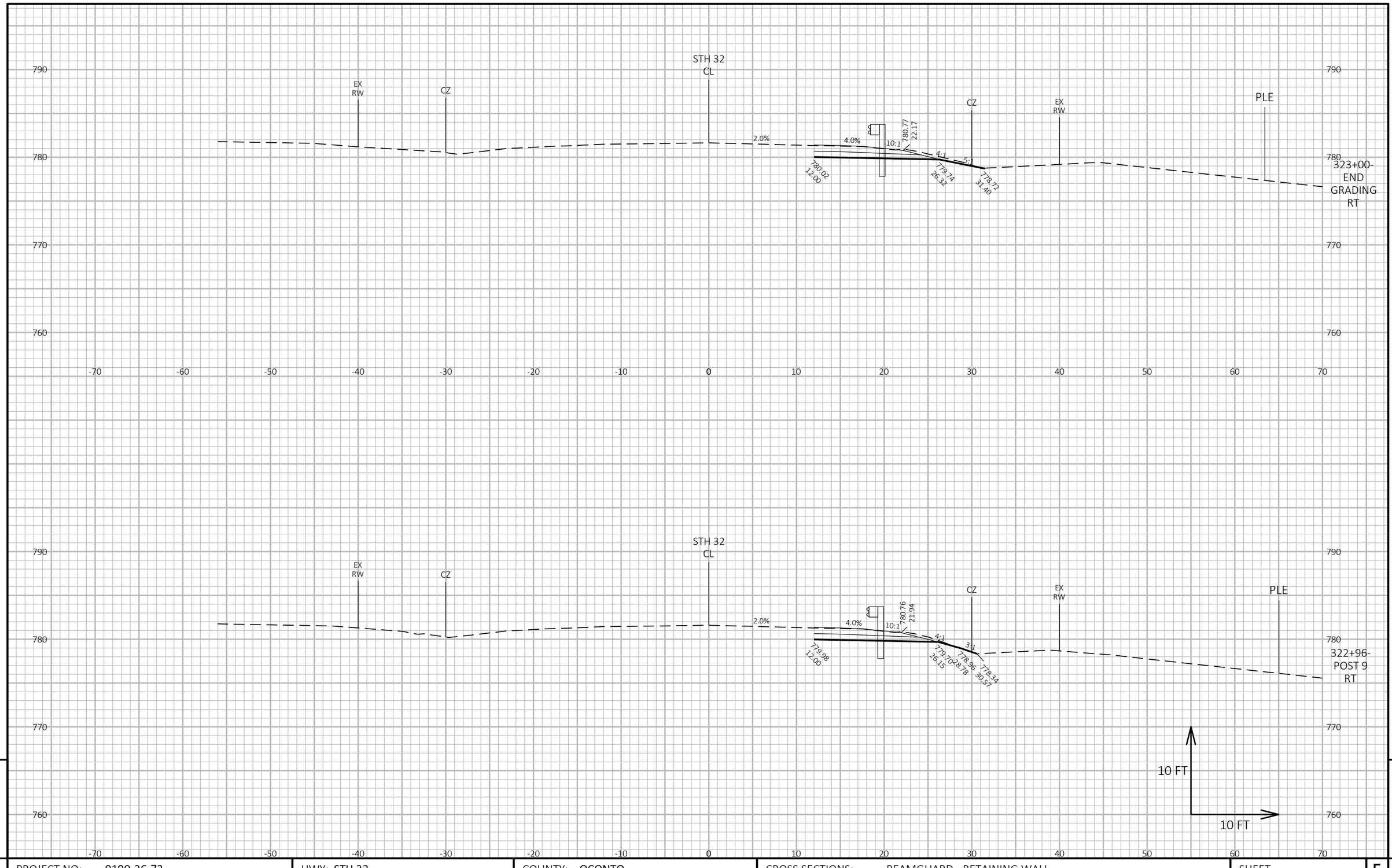
FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090125_xs 73

PLOT DATE : 10/4/2018 8:59 AM

PLOT BY : CREAPEAU, QUINTON D

PLOT NAME :

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



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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

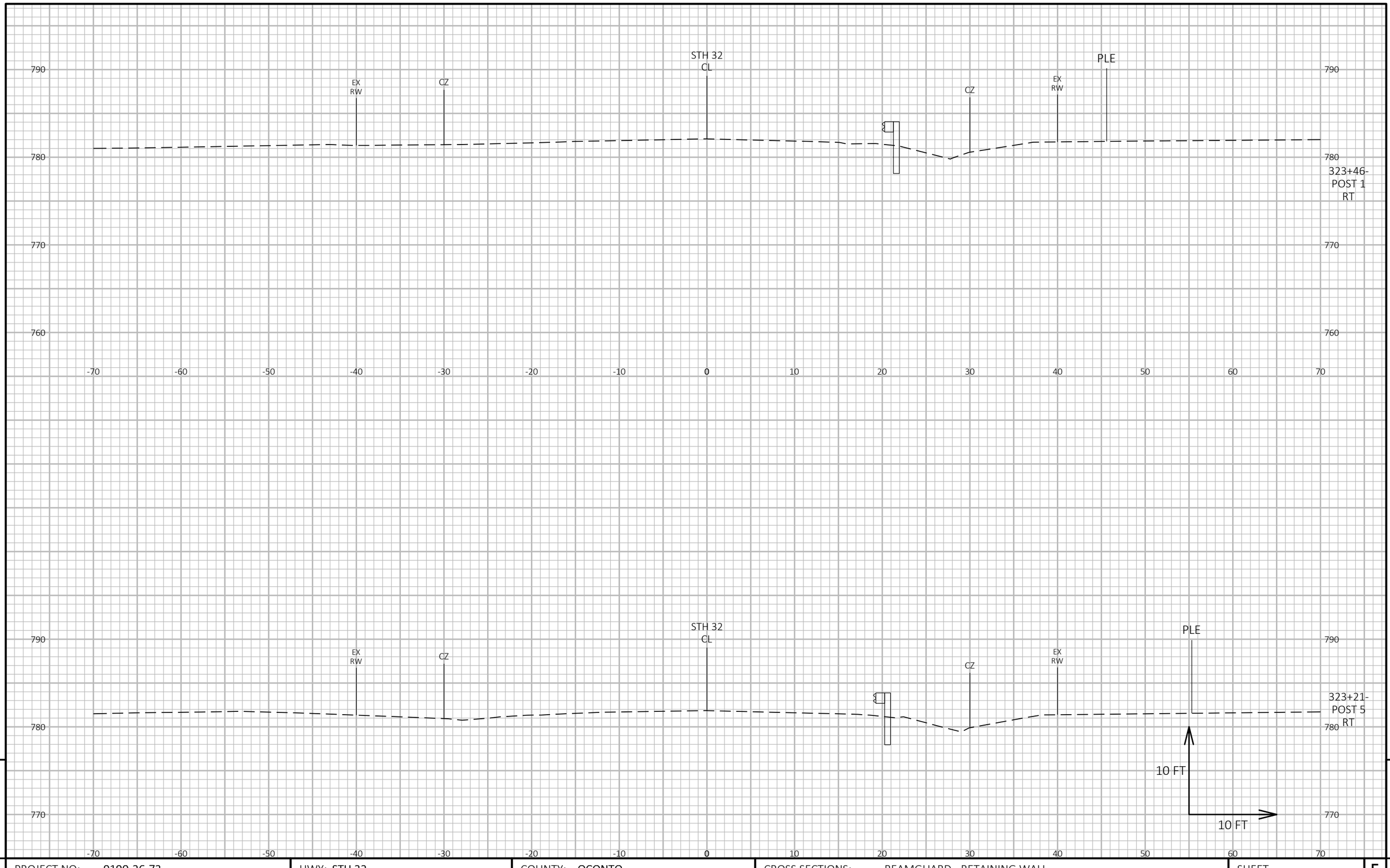
FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090126_xs 73

PLOT DATE : 10/4/2018 8:59 AM

PLOT BY : CREAPEAU, QUINTON D

PLOT NAME :

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



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PROJECT NO: 9190-26-73	HWY: STH 32	COUNTY: OCONTO	CROSS SECTIONS: BEAMGUARD - RETAINING WALL	SHEET	E

FILE NAME : N:\PDS\C3D\91902673-STRUCTURE\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 090127_xs 73

PLOT DATE : 10/4/2018 8:59 AM

PLOT BY : CREAPEAU, QUINTON D

PLOT NAME :

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

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove