GRE

AUGUST 2016

PROJECT ID: 9180-22-71

WITH: N/A

COUNTY: OCONTO

ORDER OF SHEETS

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

TOTAL SHEETS = 366

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9180-22-71	WISC 2016292	1

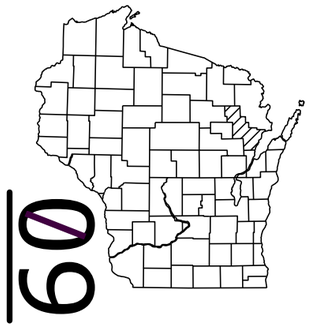
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

OCONTO FALLS - USH 141

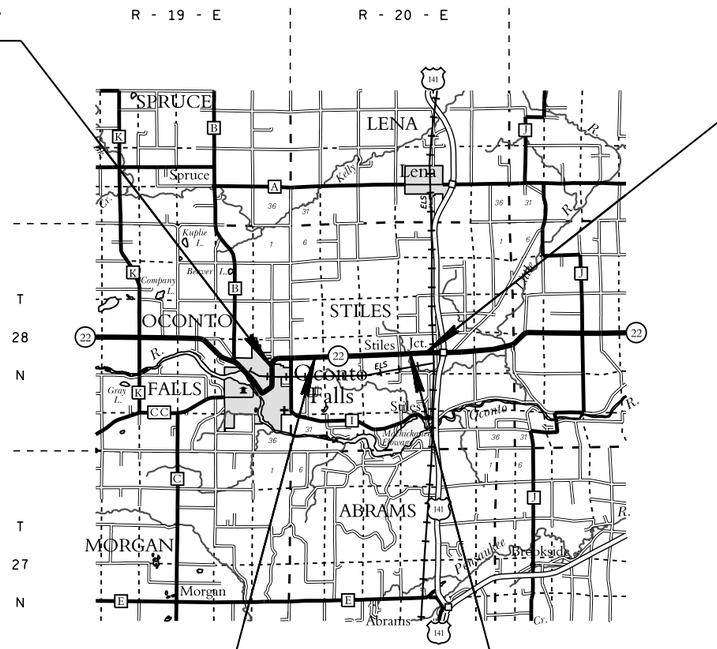
HIGHLAND DRIVE - USH 141
STH 22
OCONTO COUNTY

STATE PROJECT NUMBER
9180-22-71



BEGIN PROJECT
STA 50+00.00
Y = 177,239.490
X = 540,981.789

END PROJECT
STA 287+39



STRUCTURE C-42-0108
STA 116+07.00

STRUCTURE C-42-0109
STA 248+38.00

LAYOUT
SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 4.220 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), NAD 83 (1991) OCONTO COUNTY.

DESIGN DESIGNATION

A.A.D.T. 2017	=	6,400
A.A.D.T. 2036	=	7,600
D.H.V.	=	1,140
D.D.	=	60/40
T.	=	18.9%
DESIGN SPEED	=	55 MPH
ESALS	=	2,533,100

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- 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

PREPARED BY

Surveyor	
Designer	PATTI NELSON
Project Manager	PAUL ZOELLNER
Regional Examiner	
Regional Supervisor	DANIEL SEGERSTROM
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 5/1/16 (Signature)

E

UTILITIES

ANR PIPELINE COMPANY
LAWRENCE HUBER
(920) 477-2235
(920) 979-0060
lawrence_huber@transcanada.com

ATC MANAGEMENT, INC.
TONY MARCINIAK
(262) 506-6814
tmarciniak@atcllc.com

CENTURY LINK
RICK KLUSSENDORF
(715) 856-0051
rick.klussendorf@centuryllnk.com

NET LEC LLC
RICK VINCENT
(920) 617-7316
rick.vincent@nsight.com

OCONTO ELECTRIC COOPERATIVE
JACKY PARDY
(920) 846-2816
(920) 373-8524
jpardy@ocontoelectric.com

OCONTO FALLS UTILITY
GREG KUHN
(920) 846-4512
(920) 388-9924
gkuhn@wpplenergy.org

PACKERLAND BROADBAND
RANDY SIMMS
(920) 282-3802
randy.simms@cclsystems.com

WE ENERGIES
ZACH DUGA
(920) 380-3458
(920) 450-9314
Zachary.duga@we-energies.com

WISCONSIN PUBLIC SERVICE
DAVID RETZLAFF
(920) 617-5106
(920) 604-1861
dpretzlaff@wisconsinpublicservice.com

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

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER EXCEPT THOSE INDICATED IN THE PLANS.

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY AND TEMPORARY LIMITED EASEMENTS, EXCEPT AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, SEEDED, FERTILIZED, AND MULCHED.

THE LIMITS OF PAVEMENT REMOVAL ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

IMMEDIATELY AFTER CONSTRUCTION OF ANY CULVERT, CONTRACTOR SHALL CONSTRUCT THE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.

CURB AND GUTTER RADIUS DIMENSIONS ARE SHOWN TO THE FACE OF THE CURB UNLESS OTERWISE NOTED. CURB AND GUTTER GRADES ARE AT THE FLANGE LINE UNLESS OTHERWISE NOTED.

EXCAVATION BELOW SUBGRADE IS REQUIRED.

LIMITED EASEMENTS FOR ENTRANCE AND DRAINAGE CONSTRUCTION HAVE BEEN OBTAINED AND THESE RIGHTS HAVE BEEN EXTENDED TO THE CONTRACTOR.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE ENTRANCES AND FIELD ENTRANCES ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE WISCONSIN COUNTY CORRDINATE SYSTEM (WCCS), NAD 88 (1991).

REMOVAL OF STEEL REINFORCEMENT FOUND IN CONCRETE PAVEMENT REMOVAL IS INCIDENTAL TO THE REMOVING CONCRETE PAVEMENT ITEM.

DNR AREA LIAISON

JAMES DOPERALSKI JR.
DEPARTMENT OF NATURAL RESOURCES
NORTHEAST REGION
2984 SHAWANO AVE.
GREEN BAY, WI 54313
(920) 412-0165
JAMES.DOPERALSKI@WISCONSIN.GOV

NE REGION SURVEYOR

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

2

N

END PROJECT
STA 287+39

END CONSTRUCTION
STA 272+79.86

STA EQUATION 67+63.40 STH 22 BK =
67+65.15 STH 22 AH

234+82.18 STH 22=
50+00 N. YOUNGER RD

CHESTNUT ROAD

CTH I

YOUNGER ROAD

DUAME ROAD

USH 141

REA ROAD

STH 22

CTH I

82+68.55 STH 22=
20+00 FIRESIDE RD

C-42-0108
116+07

180+38.78 STH 22=
30+00 LARSON LN

LARSON LANE

234+88.04 STH 22=
40+00 S. YOUNGER RD

C-42-0109
248+38

STH 22

E & LS RR

EAST HIGHLAND DRIVE

STH 22

BEGIN PROJECT
STA 50+00

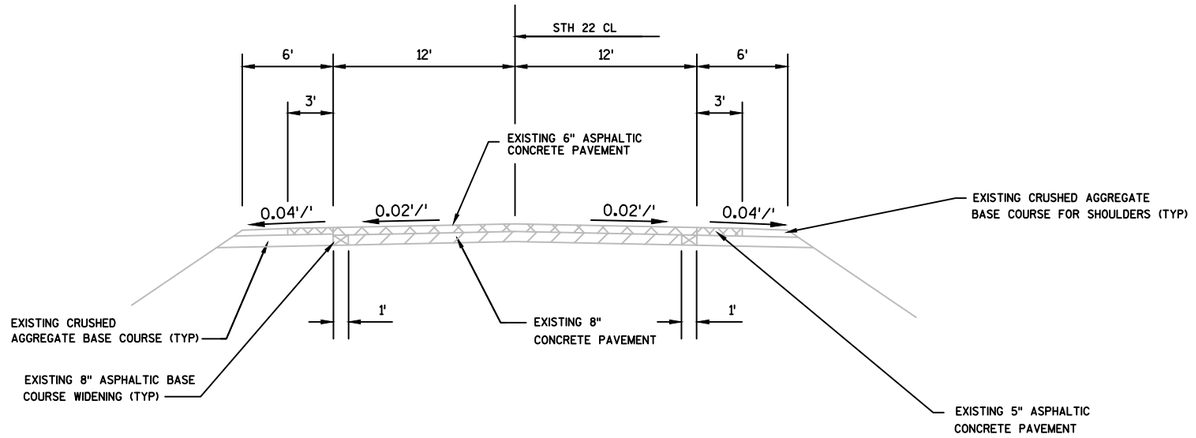
BEGIN CONSTRUCTION
STA 284+32

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PROJECT OVERVIEW	SHEET 3	E

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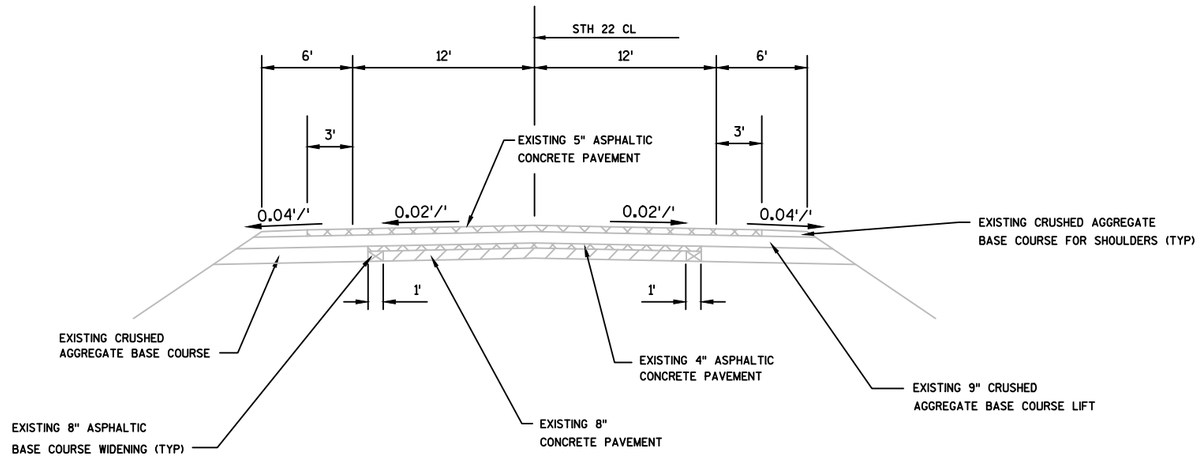
WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING CROSS SECTION FOR STH 22

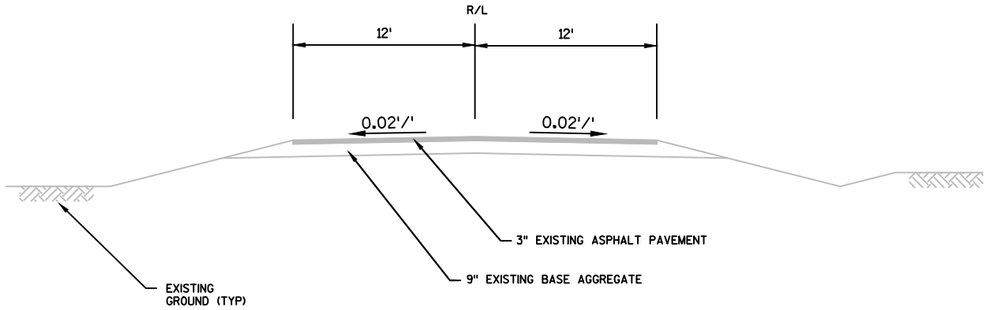
STA 50+00 TO STA 68+00
STA 82+00 TO STA 106+50
STA 125+00 TO STA 162+50
STA 181+00 TO STA 216+00
STA 248+00 TO STA 272+80



TYPICAL EXISTING CROSS SECTION FOR STH 22

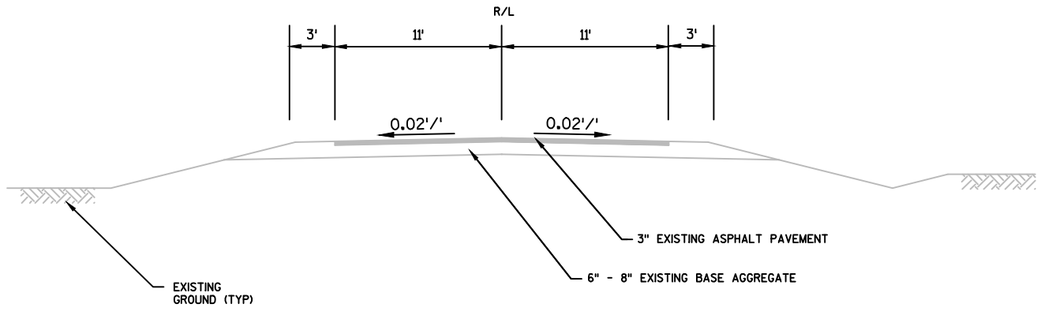
STA 68+00 TO STA 82+00
STA 106+50 TO STA 125+00
STA 162+50 TO STA 181+00
STA 216+00 TO STA 248+00

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN: TYPICAL SECTIONS	SHEET 4	E



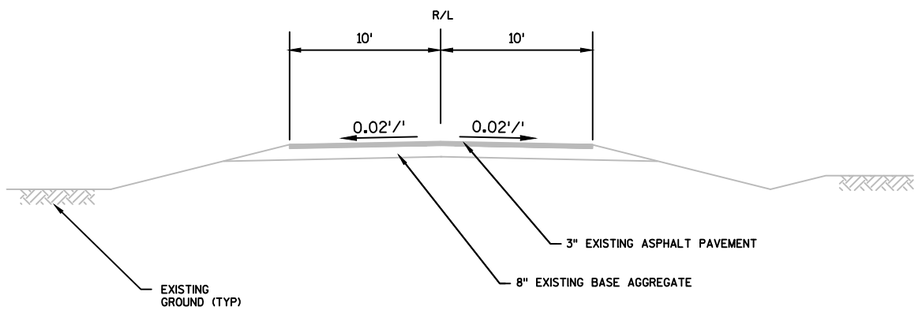
TYPICAL EXISTING CROSS SECTION FOR CHESTNUT ROAD

STA 63+15 TO STA 64+00



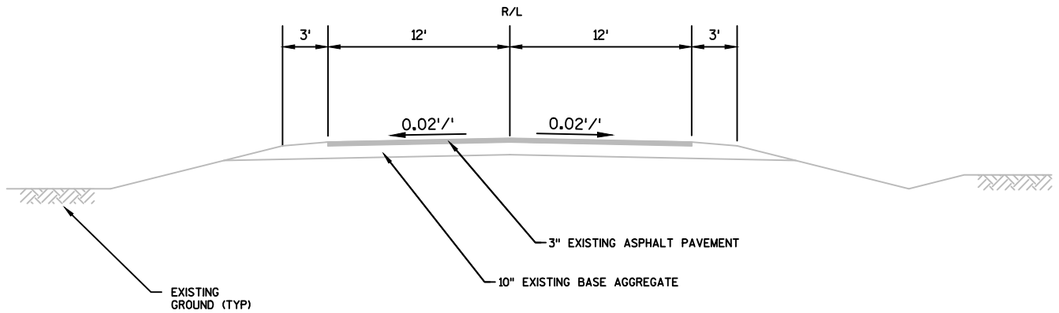
TYPICAL EXISTING CROSS SECTION FOR FIRESIDE ROAD

STA 20+73 TO STA 22+00



TYPICAL EXISTING CROSS SECTION FOR REA ROAD

STA 65+50 TO STA 66+00

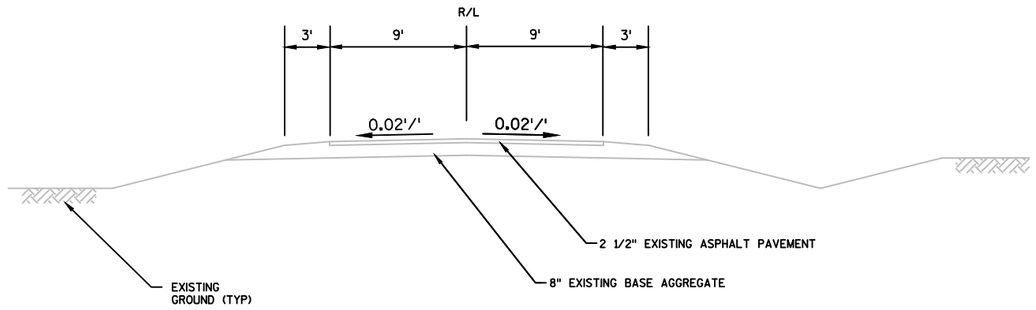


TYPICAL EXISTING CROSS SECTION FOR CTH I

STA 18+00 TO STA 19+27

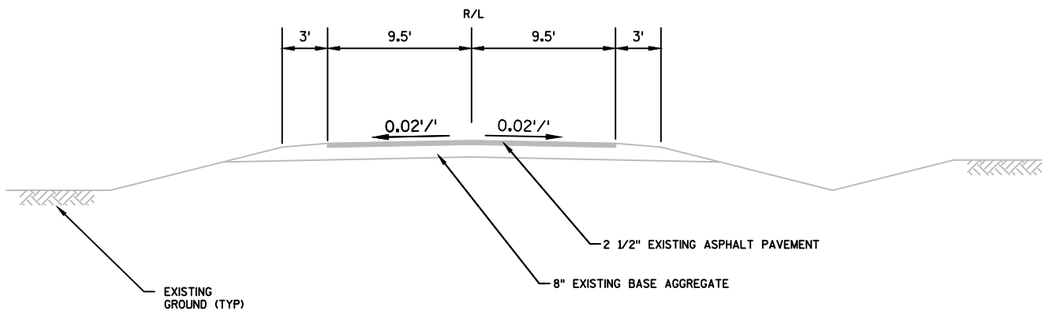
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 5	E

2



TYPICAL EXISTING CROSS SECTION FOR LARSON LANE

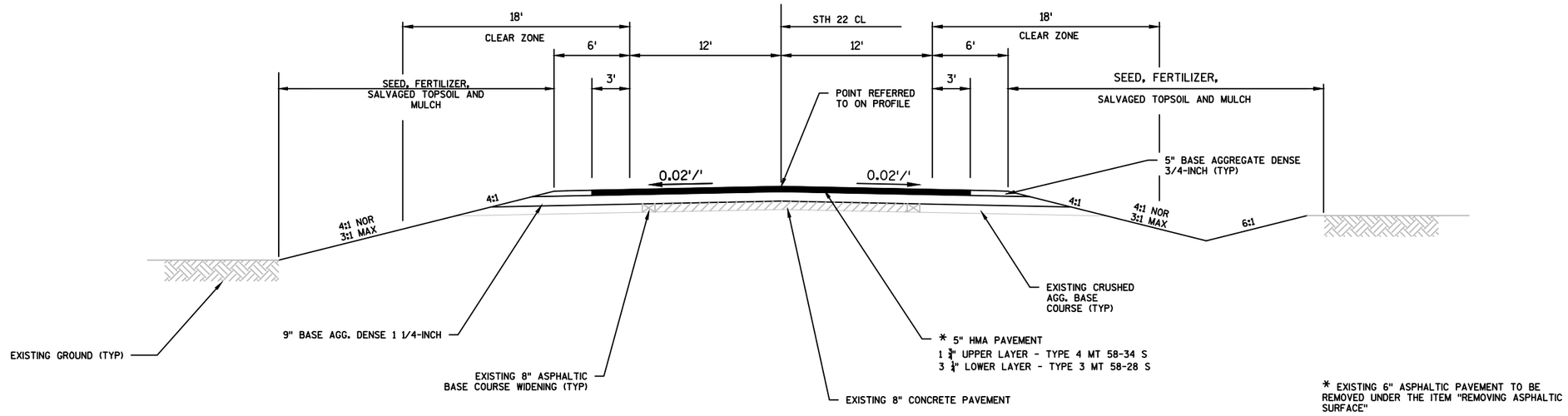
STA 28+00 TO STA 29+18



TYPICAL EXISTING CROSS SECTION FOR YOUNGER ROAD

STA 38+00 TO STA 39+18

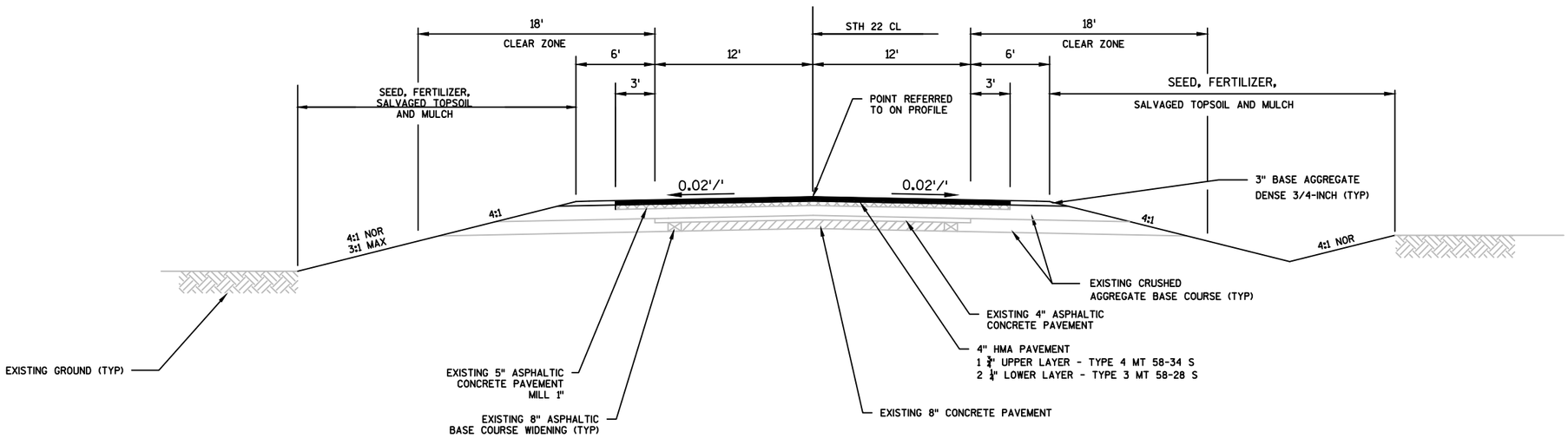
STA 50+80 TO STA 52+50



* EXISTING 6" ASPHALTIC PAVEMENT TO BE REMOVED UNDER THE ITEM "REMOVING ASPHALTIC SURFACE"

TYPICAL FINISHED CROSS SECTION FOR STH 22 - GRAVEL LIFT & OVERLAY

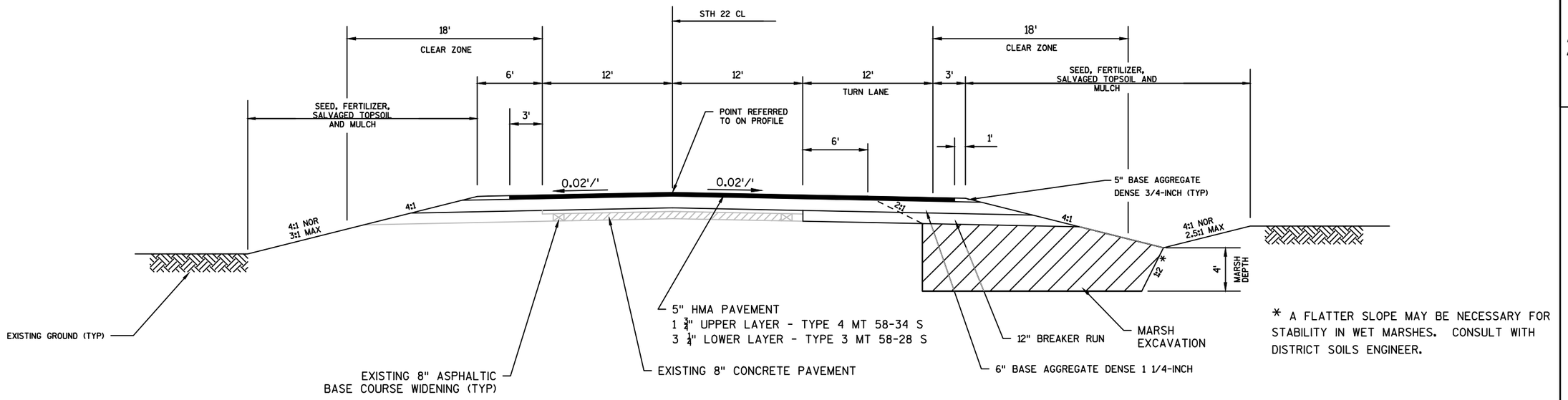
STA 50+00 TO STA 68+00
STA 82+00 TO STA 83+30
STA 87+00 TO STA 106+50
STA 125+00 TO STA 162+50
STA 181+00 TO STA 203+80
STA 207+90 TO STA 216+00
STA 248+00 TO STA 260+45
STA 267+00 TO STA 272+80



TYPICAL FINISHED CROSS SECTION FOR STH 22 - MILL & OVERLAY

STA 68+00 TO STA 78+50
STA 106+50 TO STA 121+15
STA 123+80 TO STA 125+00
STA 162+50 TO STA 174+14
STA 175+98 TO STA 176+16
STA 179+70 TO STA 181+00
STA 216+00 TO STA 220+58
STA 224+65 TO STA 230+50
STA 234+20 TO STA 235+50
STA 239+00 TO STA 248+00

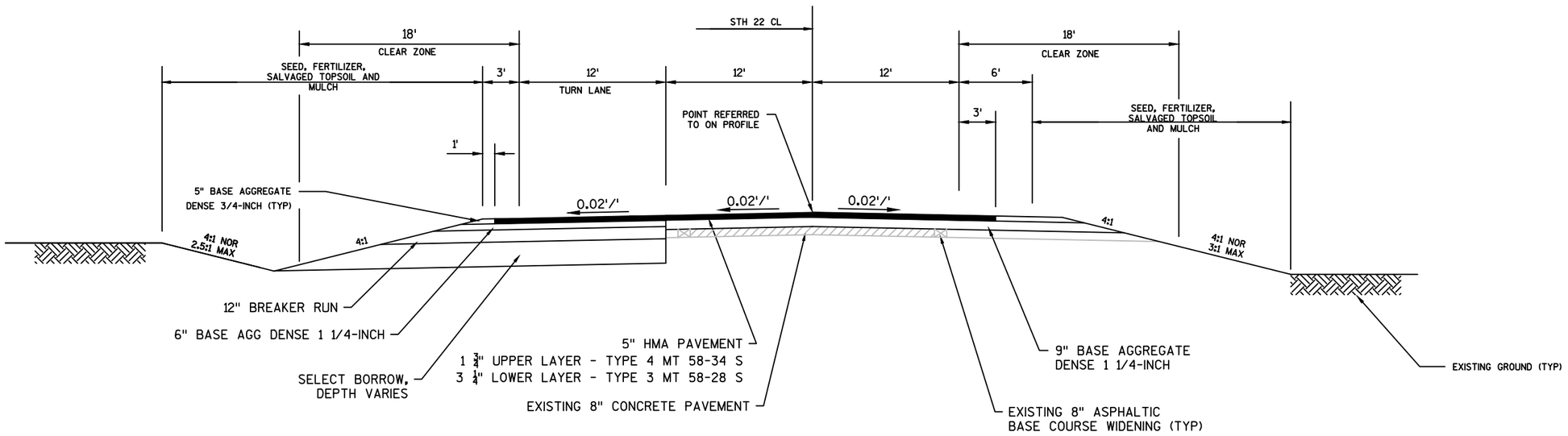
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 7	E



* A FLATTER SLOPE MAY BE NECESSARY FOR STABILITY IN WET MARSHES. CONSULT WITH DISTRICT SOILS ENGINEER.

TYPICAL FINISHED CROSS SECTION FOR STH 22 - LARSON LANE

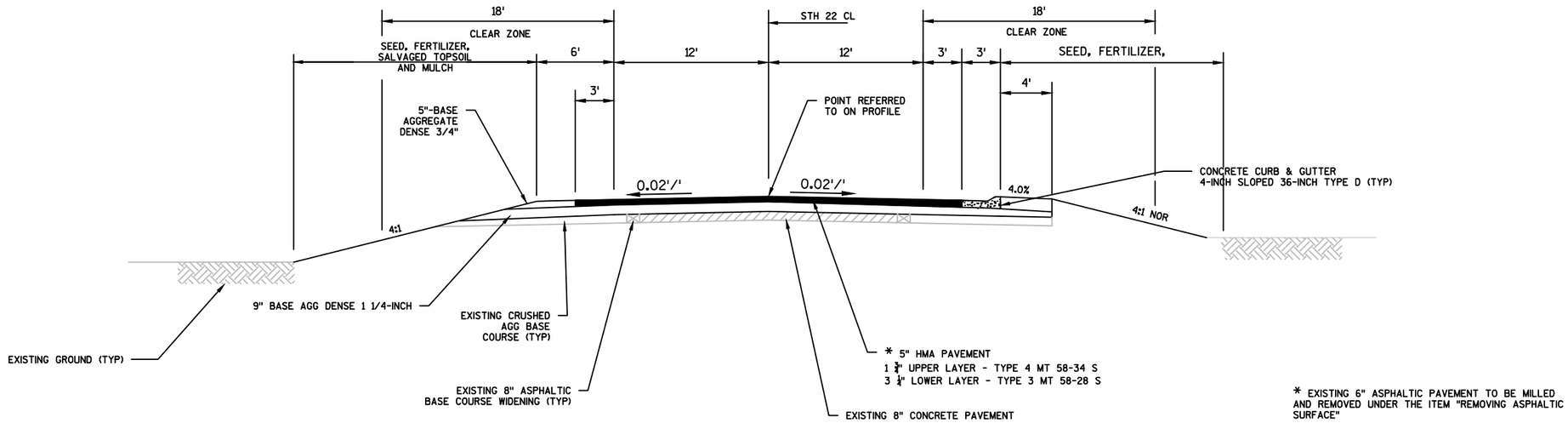
STA 176+16 TO STA 179+70



TYPICAL FINISHED CROSS SECTION FOR STH 22 - CTH I

STA 83+30 TO STA 87+00

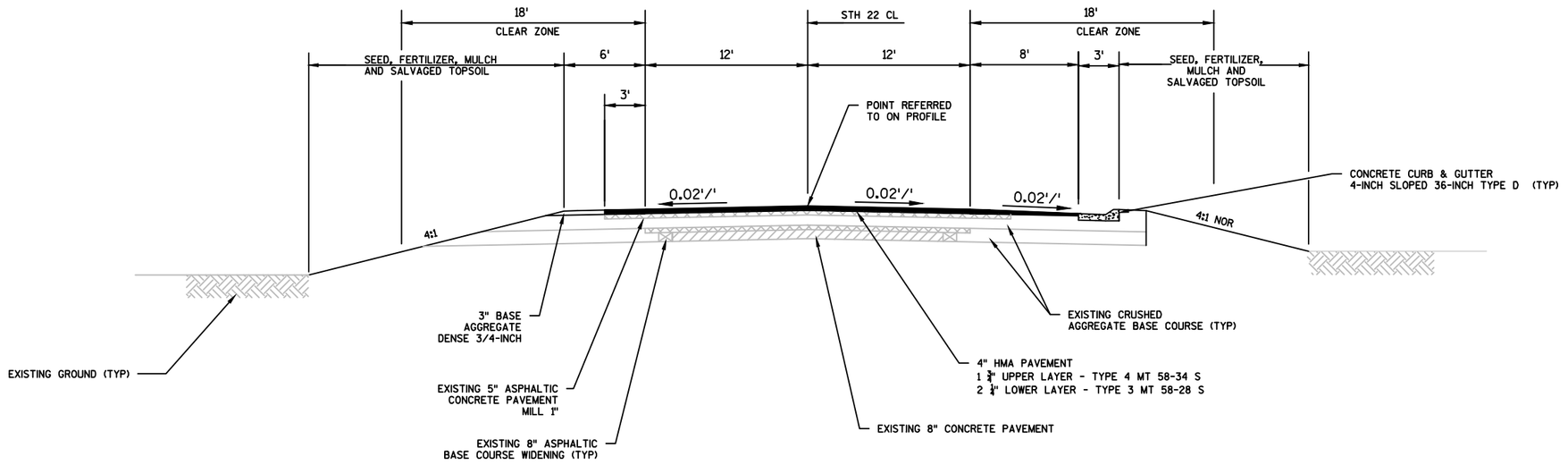
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 8	E



* EXISTING 6" ASPHALTIC PAVEMENT TO BE MILLED AND REMOVED UNDER THE ITEM "REMOVING ASPHALTIC SURFACE"

TYPICAL FINISHED CROSS SECTION FOR STH 22 - GRAVEL LIFT & OVERLAY WITH CURB & GUTTER RT

STA 203+80 TO STA 207+90
STA 260+45 TO STA 267+00

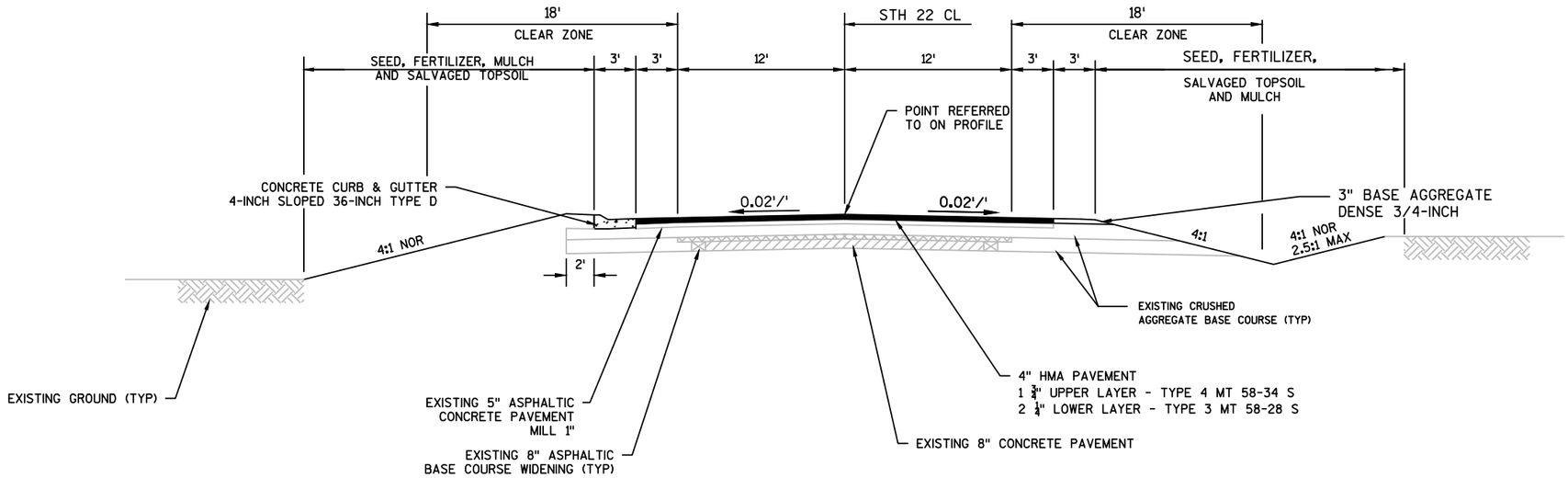


TYPICAL FINISHED CROSS SECTION FOR STH 22 - MILL & OVERLAY WITH CURB & GUTTER RT

STA 121+15 TO STA 123+80

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 9	E

2

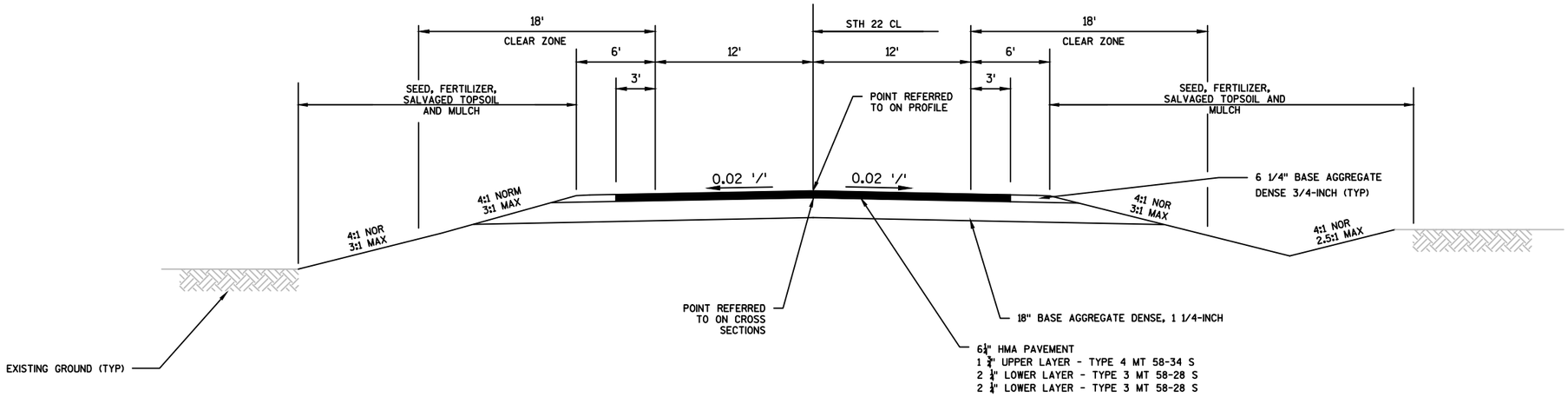


TYPICAL FINISHED CROSS SECTION FOR STH 22 - MILL & OVERLAY WITH CURB & GUTTER LT

STA 220+58 TO STA 224+65

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 10	E

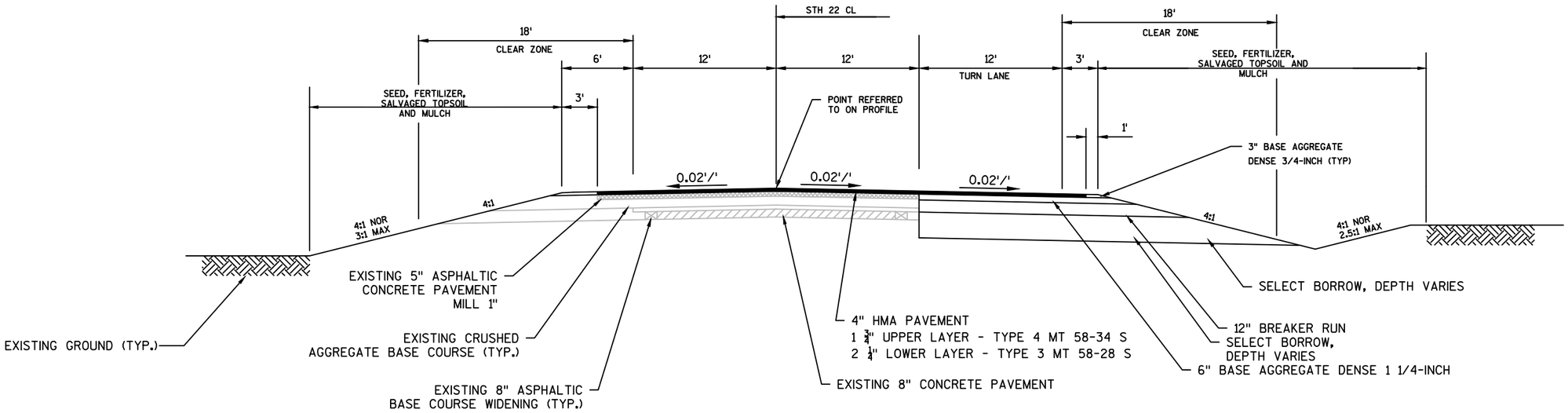
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TYPICAL FINISHED CROSS SECTION FOR STH 22

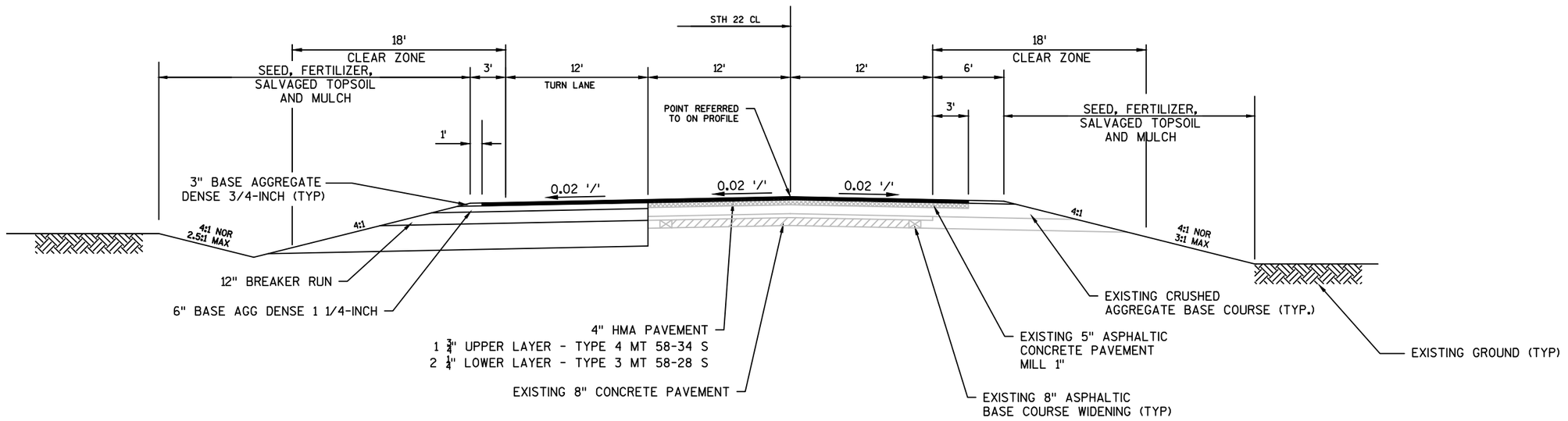
STA 174+14 TO STA 175+98

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 11	E



TYPICAL FINISHED CROSS SECTION FOR STH 22 - CTH I AND YOUNGER ROAD

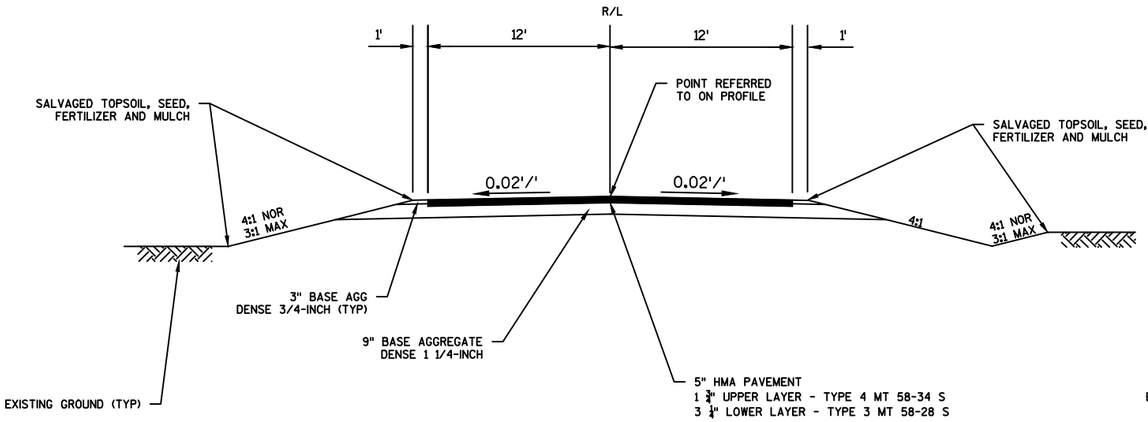
STA 78+50 TO STA 82+00
STA 230+50 TO STA 234+20



TYPICAL FINISHED CROSS SECTION FOR STH 22 - YOUNGER ROAD

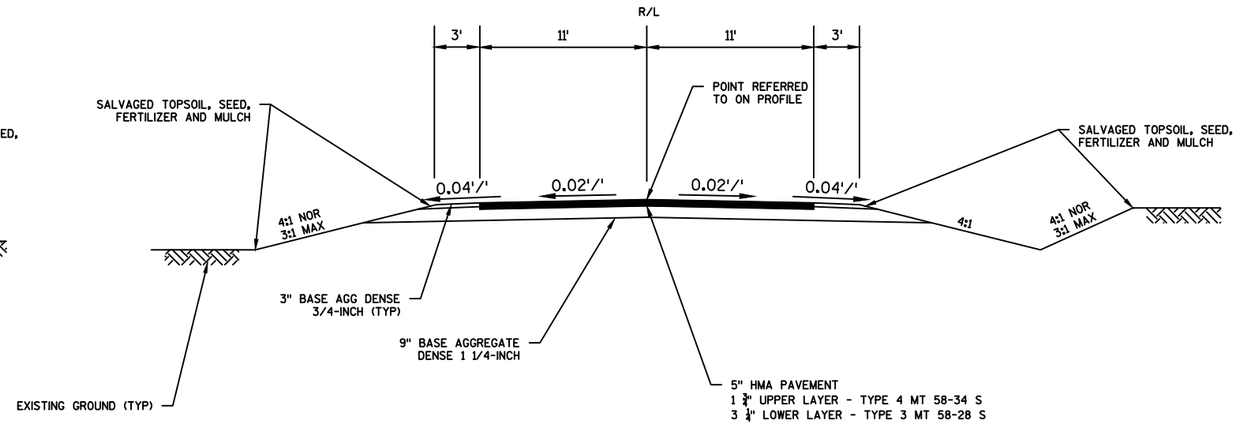
STA 235+50 TO STA 239+00

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 12	E



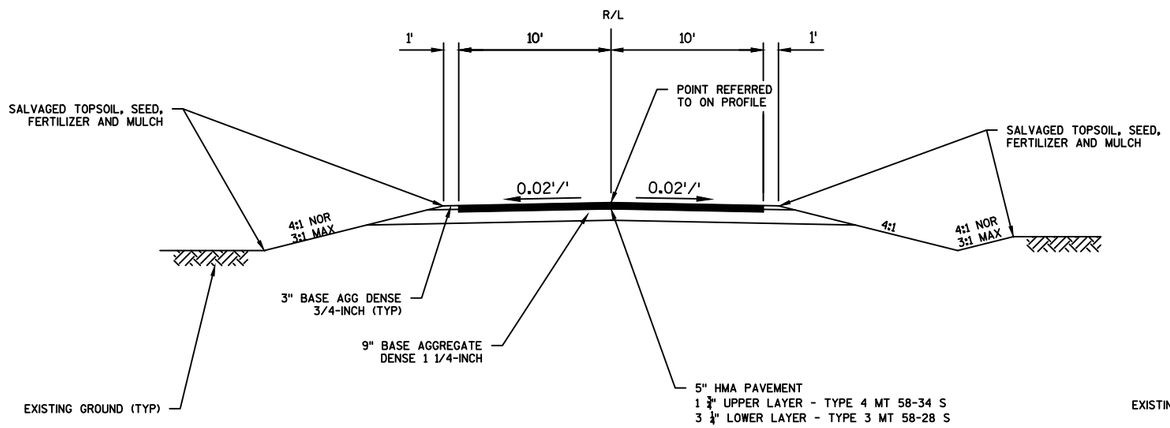
TYPICAL FINISHED CROSS SECTION FOR CHESTNUT ROAD

STA 63+15 TO STA 64+00



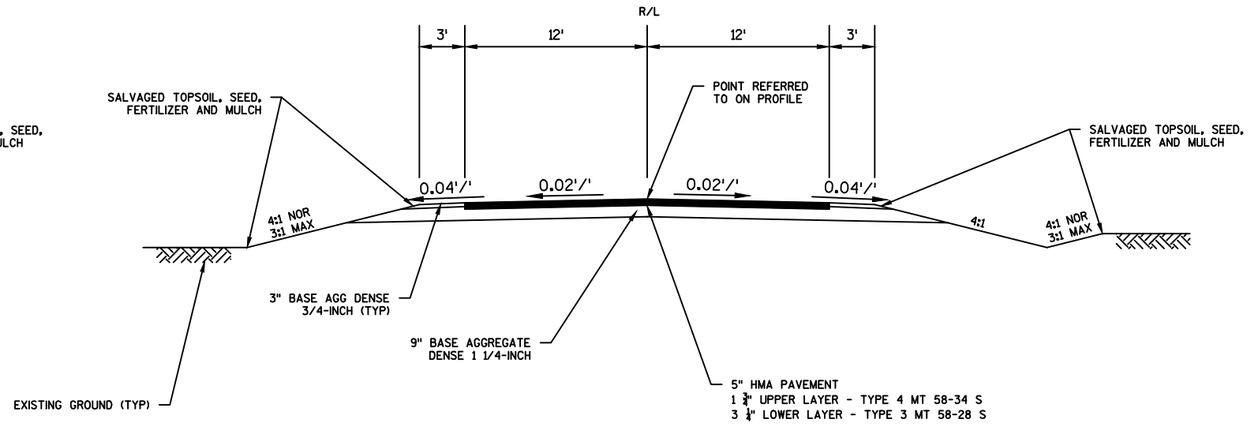
TYPICAL FINISHED CROSS SECTION FOR FIRESIDE ROAD

STA 20+73 TO STA 22+00



TYPICAL FINISHED CROSS SECTION FOR REA ROAD

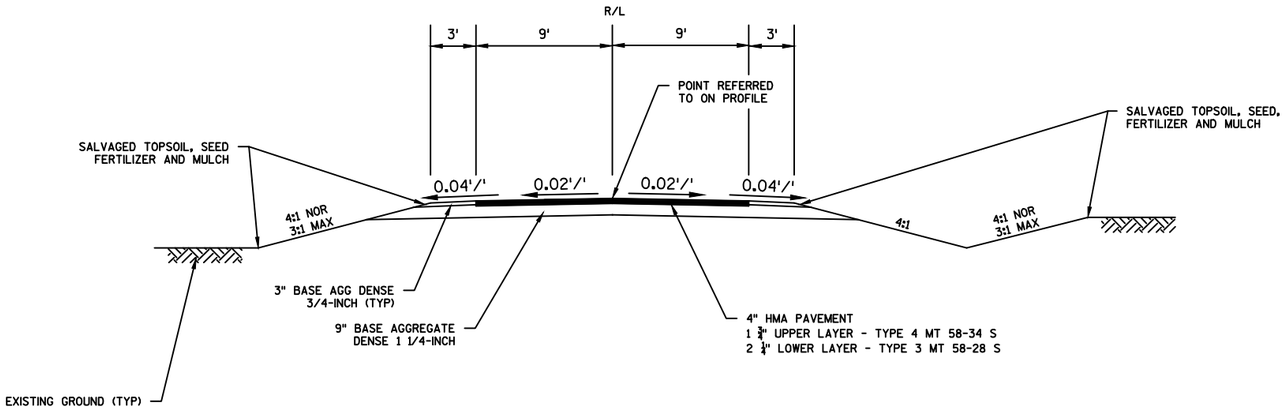
STA 65+50 TO STA 66+00



TYPICAL FINISHED CROSS SECTION FOR CTH I

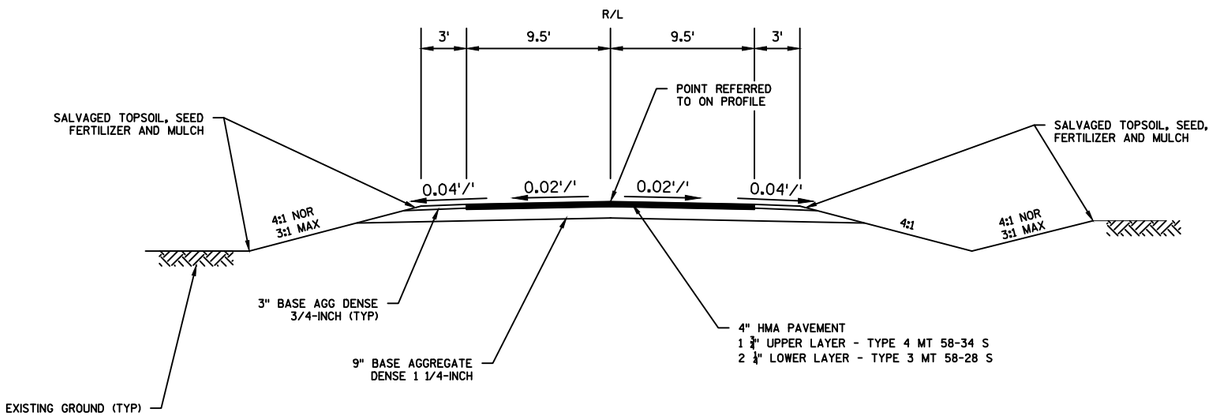
STA 18+00 TO STA 19+27

2



TYPICAL FINISHED CROSS SECTION FOR LARSON LANE

STA 28+00 TO STA 29+18

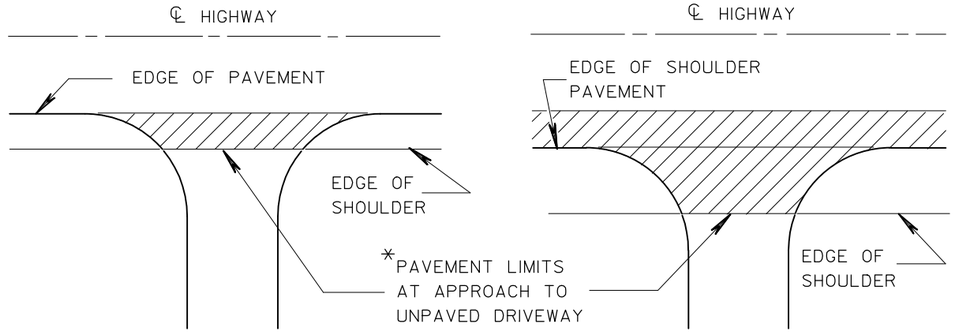


TYPICAL FINISHED CROSS SECTION FOR YOUNGER ROAD

STA 38+00 TO STA 39+18

STA 50+80 TO STA 52+50

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	TYPICAL SECTIONS	SHEET 14	E

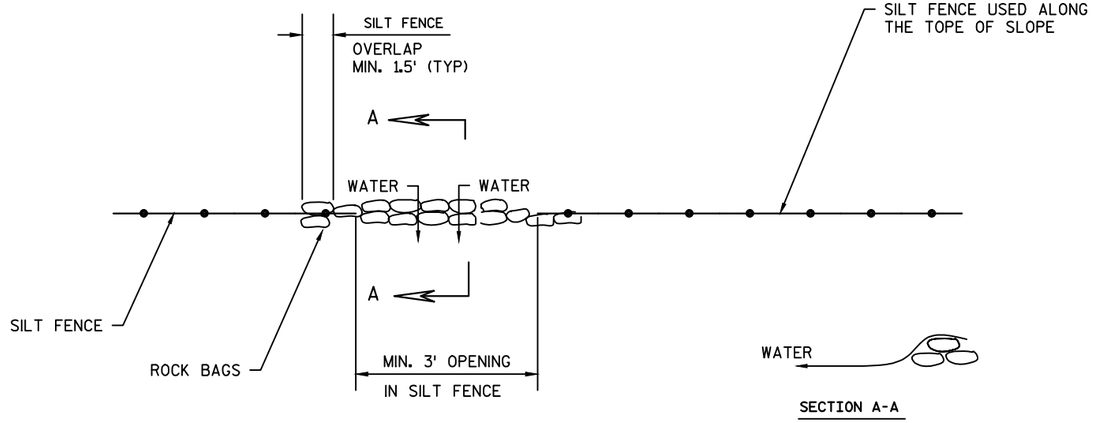


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW

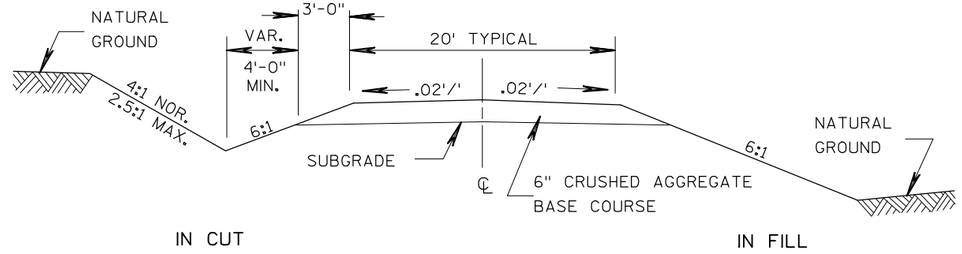
PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL



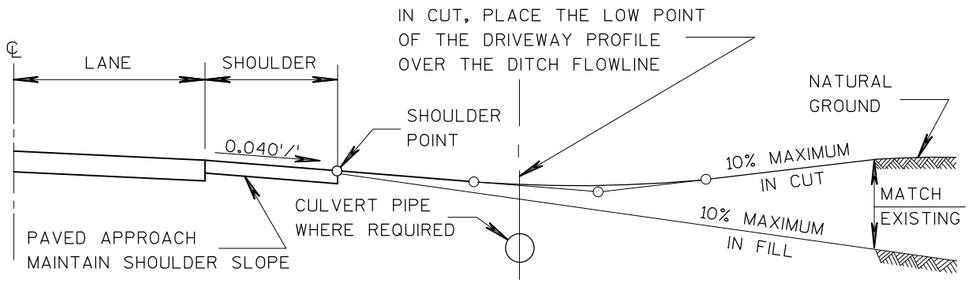
ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

PAID AS ROCK BAGS

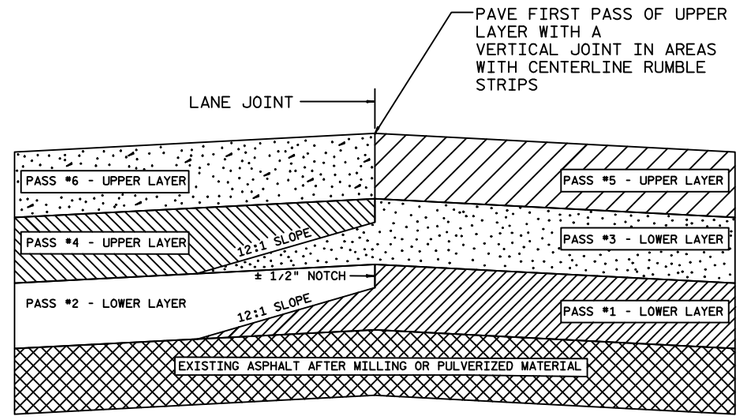


TYPICAL CROSS SECTION FOR PRIVATE

DRIVE OR FIELD ENTRANCE

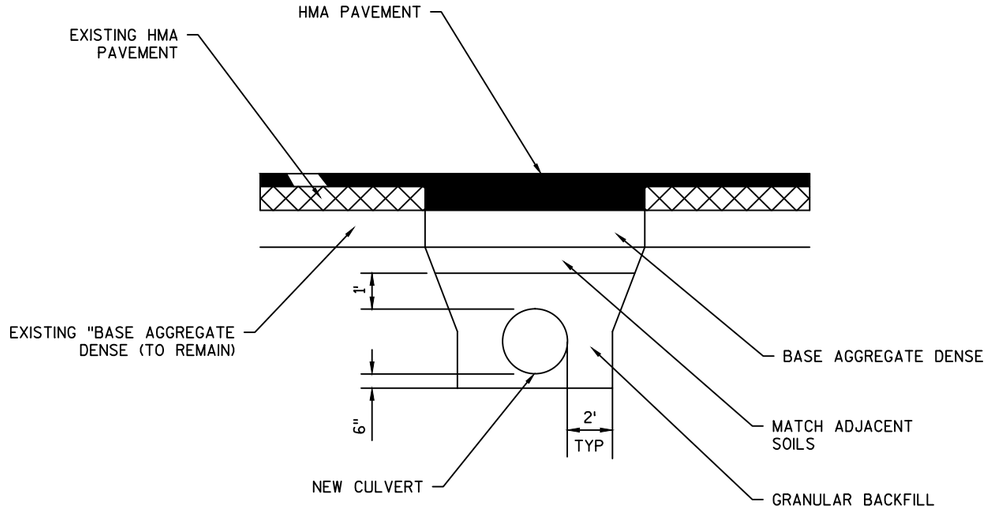


TYPICAL DRIVEWAY PROFILES

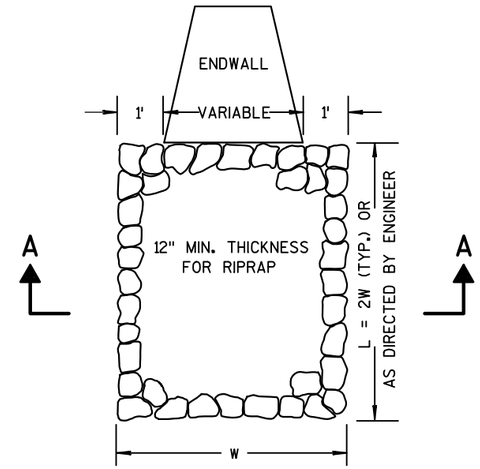


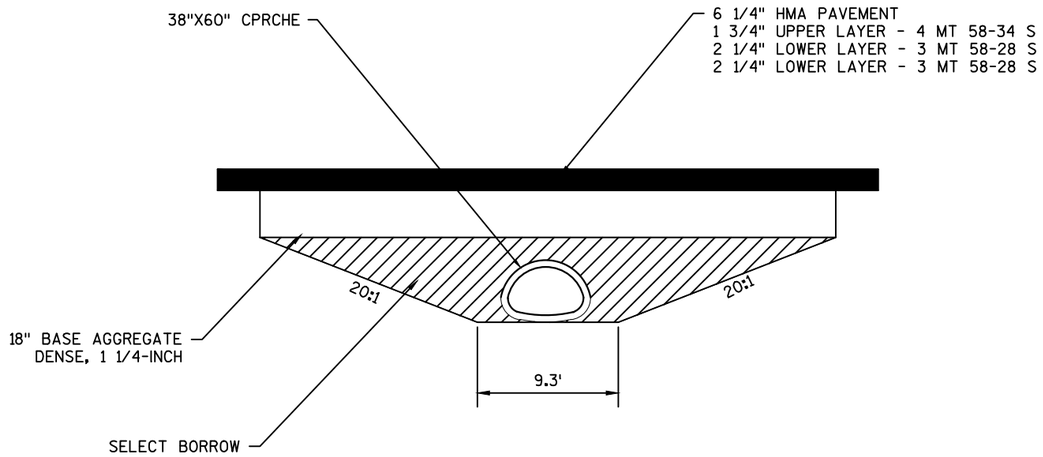
TYPICAL PAVEMENT CROSS SECTIONS OF

TAPERED AND NOTCHED LONGITUDINAL JOINTS

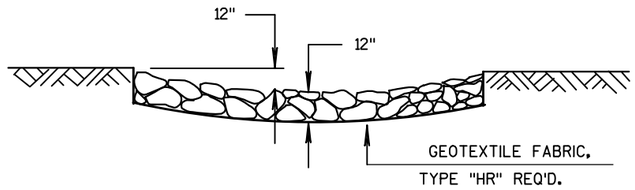


DETAIL FOR CULVERT REPLACEMENT





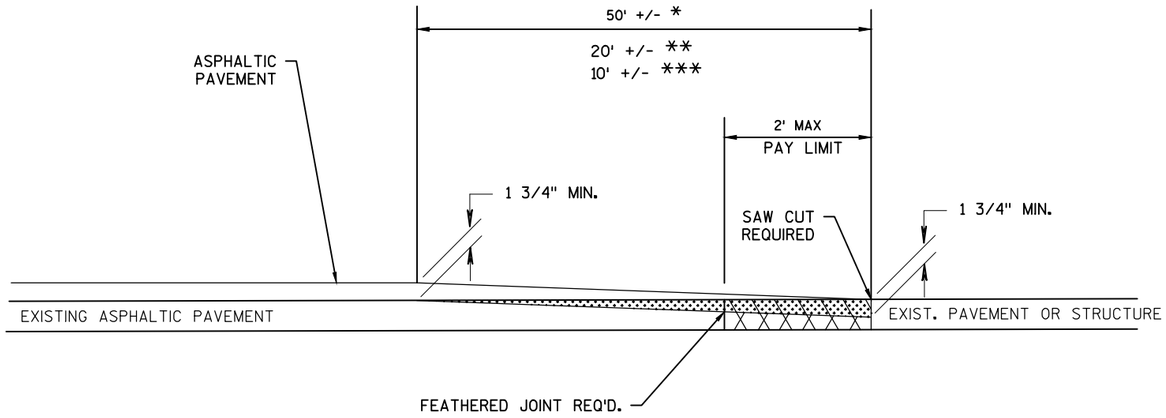
LONGITUDINAL DETAIL FOR FROST HEAVE REPAIR AREAS



SECTION A-A

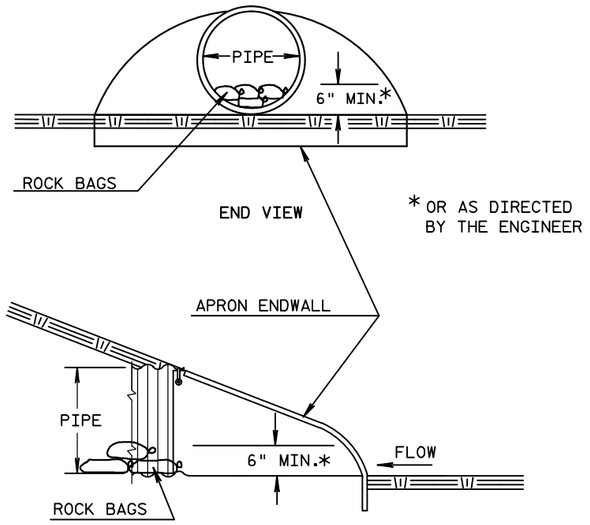
RIPRAP TREATMENT AT CULVERTS

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CONSTRUCTION DETAILS	SHEET 16	E



BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS

* MAINLINE
** SIDE ROADS
*** PRIVATE ENTRANCES



SIDE VIEW

CULVERT PIPE DITCH CHECK

2

2

STAGE 1 - C-42-108

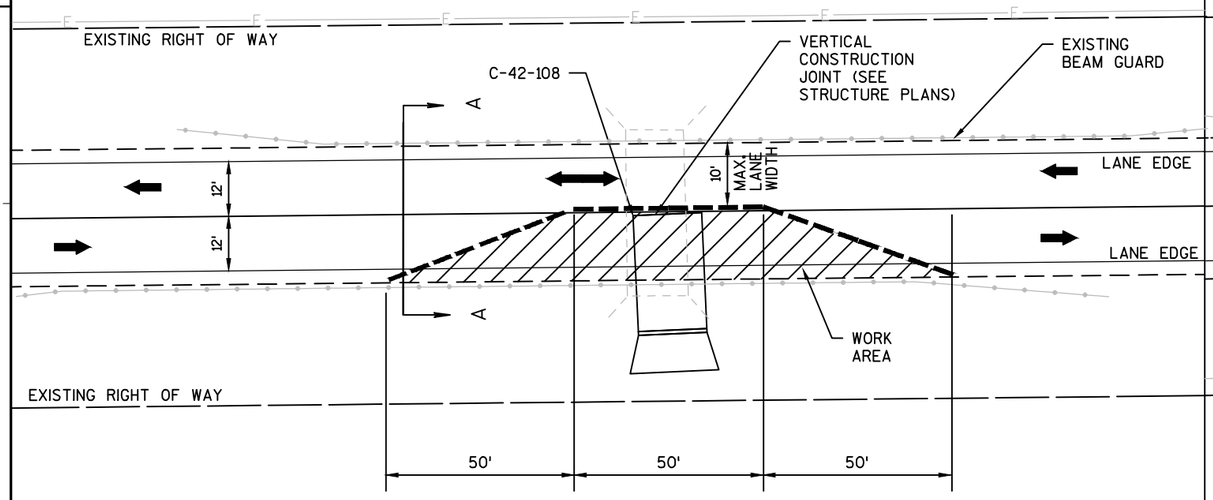
1. REMOVE HALF OF EXISTING BOX CULVERT
2. CONSTRUCT SOUTHERN HALF OF BOX CULVERT

LEGEND

DIRECTION OF TRAFFIC

TEMPORARY PRECAST CONCRETE BARRIER, PINNED

N

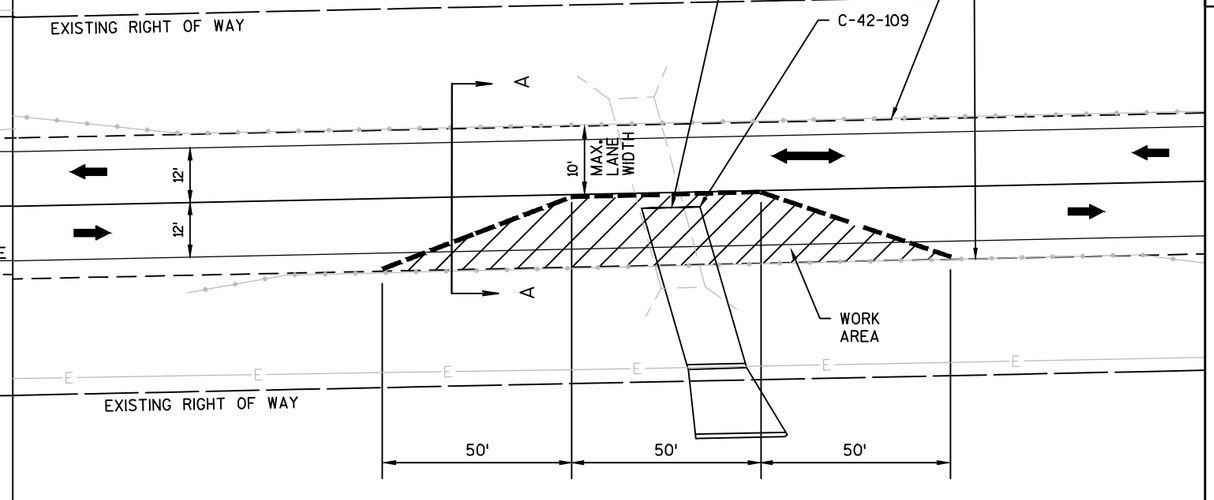


C-42-108 - STAGE 1

STAGE 1 - C-42-109

1. REMOVE HALF OF EXISTING BOX CULVERT
2. CONSTRUCT SOUTHERN HALF OF BOX CULVERT

N

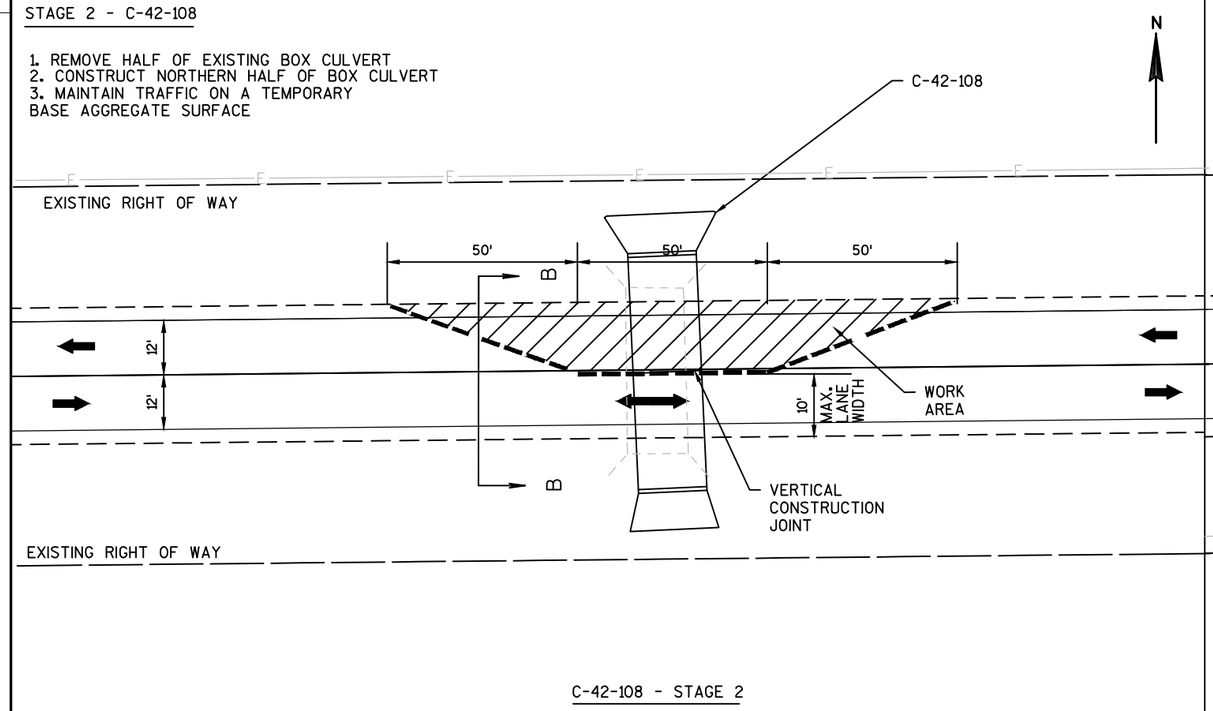


C-42-109 - STAGE 1

STAGE 2 - C-42-108

1. REMOVE HALF OF EXISTING BOX CULVERT
2. CONSTRUCT NORTHERN HALF OF BOX CULVERT
3. MAINTAIN TRAFFIC ON A TEMPORARY BASE AGGREGATE SURFACE

N

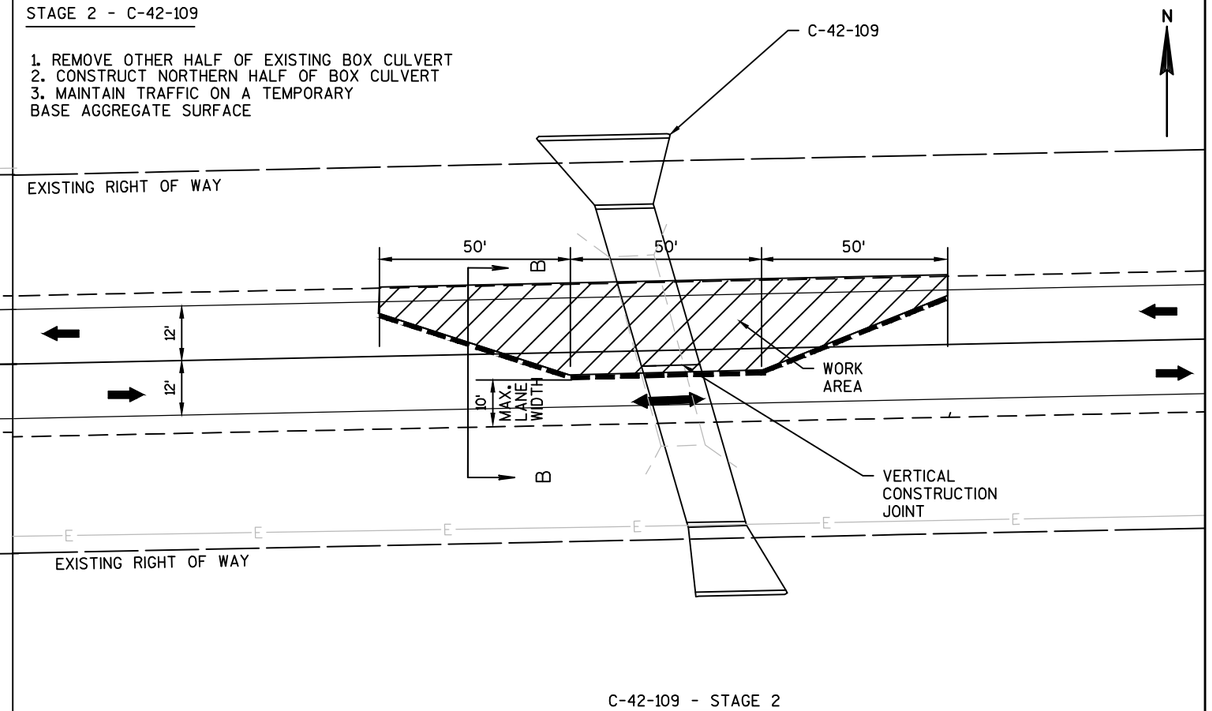


C-42-108 - STAGE 2

STAGE 2 - C-42-109

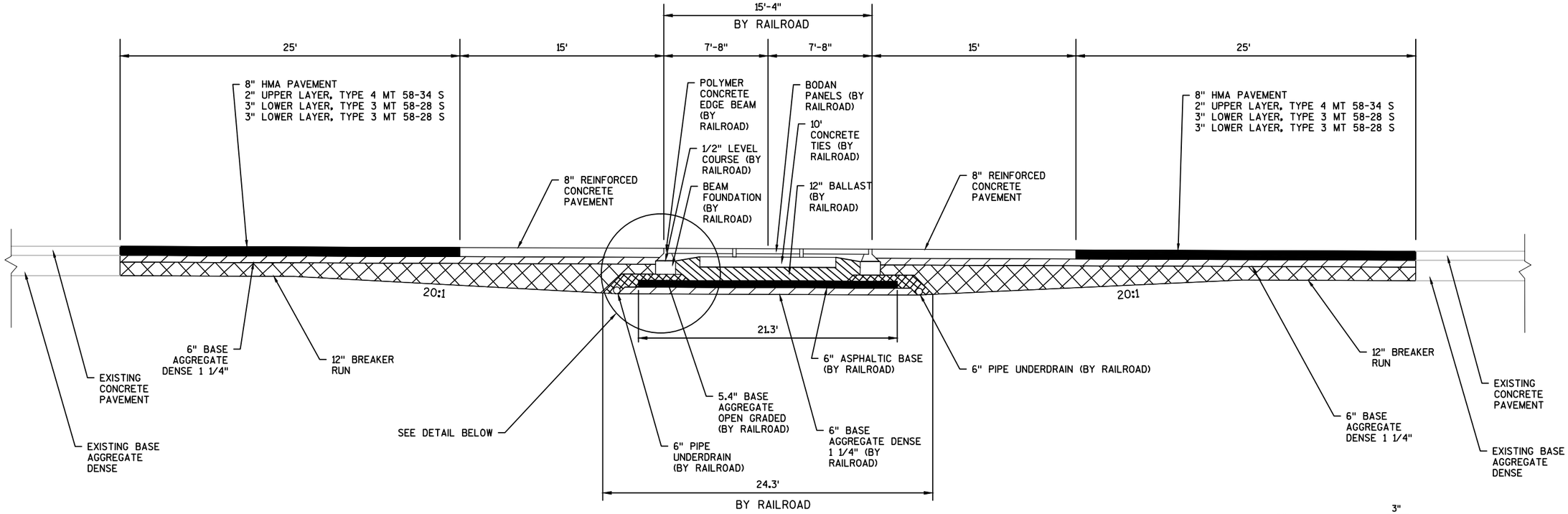
1. REMOVE OTHER HALF OF EXISTING BOX CULVERT
2. CONSTRUCT NORTHERN HALF OF BOX CULVERT
3. MAINTAIN TRAFFIC ON A TEMPORARY BASE AGGREGATE SURFACE

N



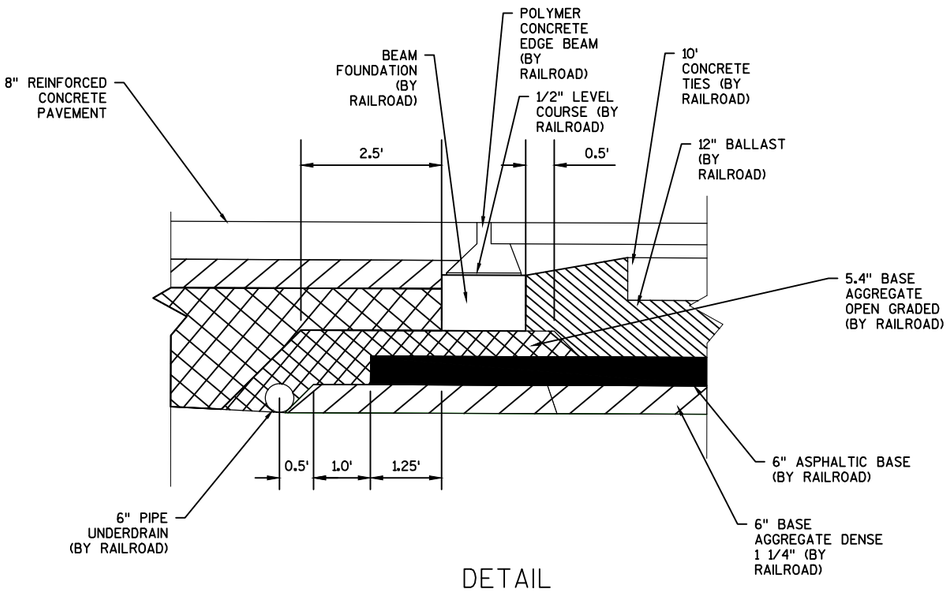
C-42-109 - STAGE 2

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CONSTRUCTION DETAIL - TRAFFIC CONTROL AT BOX CULVERTS	SHEET 18	E



TYPICAL RAILROAD CROSSING DETAIL

STA. 285+97.92 - STA. 286+93.51 SB



DETAIL

NOTES:

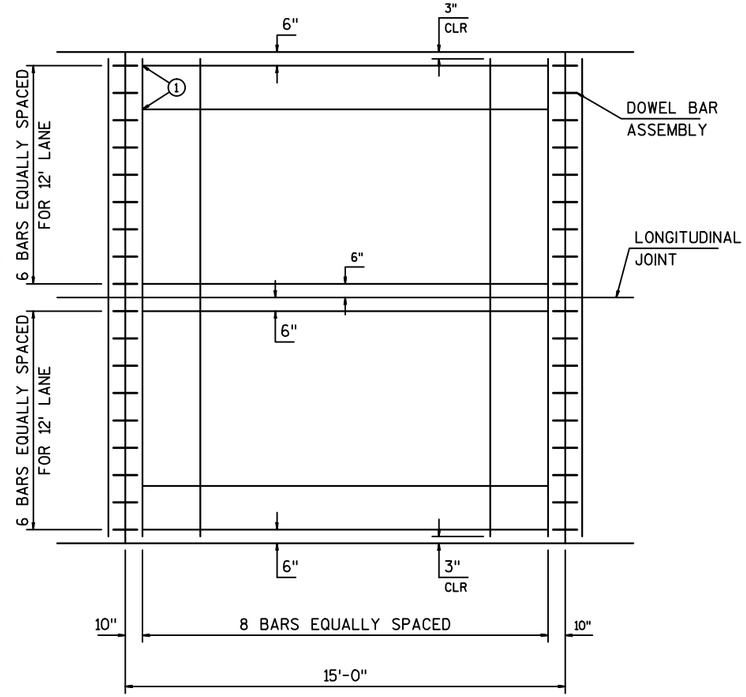
① TIE ALL PERIPHERAL INTERSECTIONS AND A SUFFICIENT NUMBER OF INTERMEDIATE INTERSECTIONS TO PREVENT SHIFTING.

BAR SIZES: PAVEMENT T < 12" NO. 4 BARS.

BILL OF BARS *

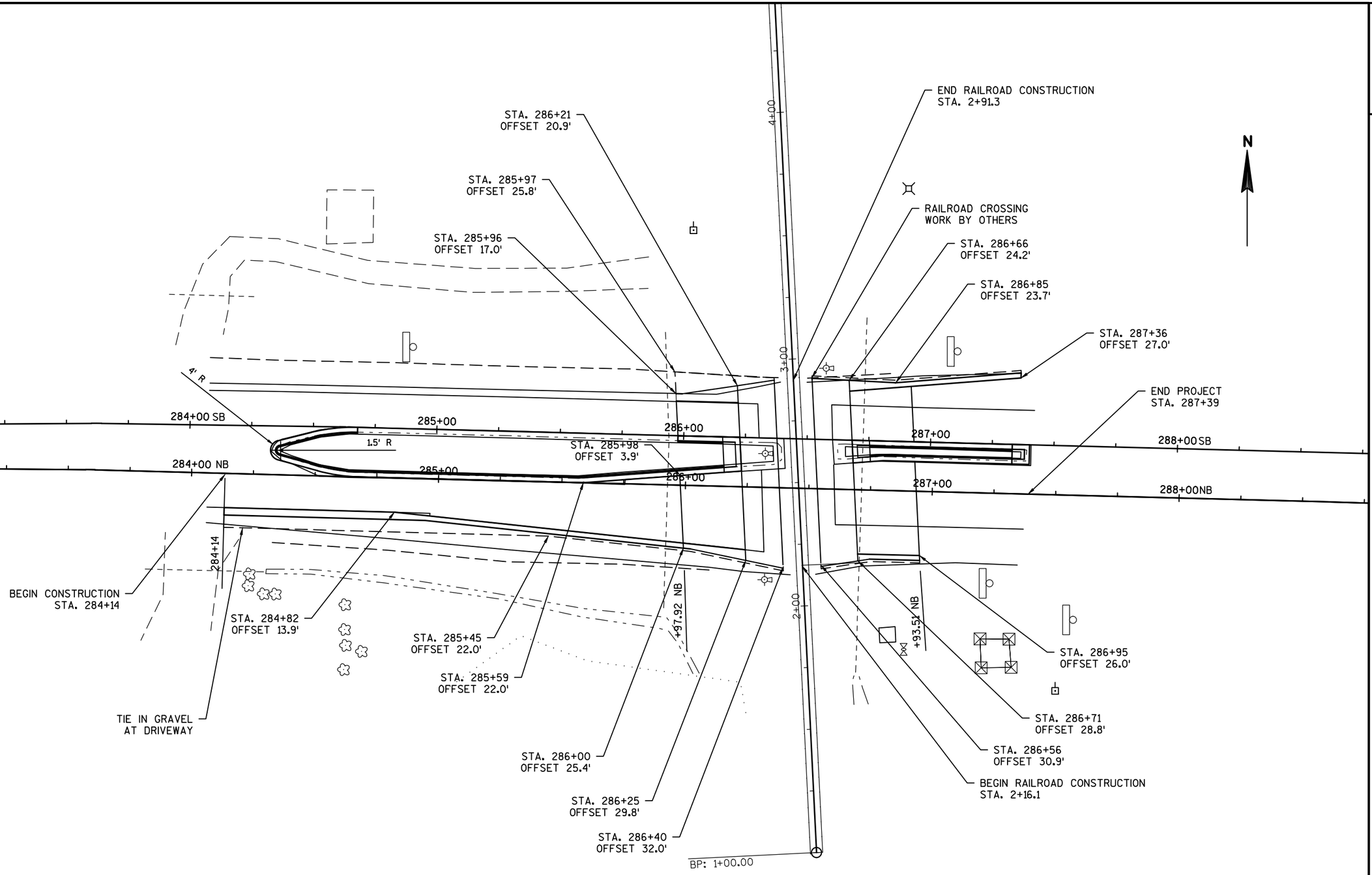
BAR MARK			LENGTH		
LETTER	SIZE	NUMBER	# REQ'D	FT	IN
A	4	1	32	14	10
A	4	2	40	11	9
A	4	3	16	14	10
A	4	4	20	11	9

* FOR INFORMATION ONLY



BAR REINFORCEMENT PLAN FOR CONCRETE PAVEMENT REINFORCED 8–INCH

2



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	RAILROAD DETAILS	SHEET 20	E

2

N

CURB FACE RADIUS TABLE			
POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	83+02.37	74', RT, STH 22	Y= 178,404.7874 X= 553,578.0849
4	20+73.32	19', LT, CTH I	Y= 178,403.7478 X= 543,626.0736
5	23+39.55	33', LT, CTH I	Y= 178,370.2687 X= 543,611.4384
6	82+02.33	26', LT, STH 22	Y= 178,356.7909 X= 543,577.5054
NOTE: FLANGE LINE ELEVATIONS SHOWN			

CURB FACE RADIUS TABLE			
POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	81+94.27	74', RT, STH 22	Y= 178,256.8885 X= 543,568.3164
10	81+94.31	26', RT, STH 22	Y= 178,304.8851 X= 543,568.8916
11	19+59.41	40.22', LT, CTH I (SOUTH)	Y= 178,290.2840 X= 543,602.7946
12	19+25.27	26', LT, CTH I (SOUTH)	Y= 178,255.8596 X= 543,616.2579
NOTE: FLANGE LINE ELEVATIONS SHOWN			

CONSTRUCTION LIMITS
22+50, SAWCUT REQ'D
MATCH EXISTING

SLOPE INTERCEPT

EXISTING R/W

SLOPE INTERCEPT

11' 11'

22

21

20

19

18

3'

+74.75

ASPHALTIC FLUME
REQ'D (TYP)

100' TAPER

50' TAPER

+23.31

+23.38

+02.32

4

17'

722.51

722.40

1

23'

+42.34

+24.67

R 48'

R/W

83+22
1-36" CPRC, CLASS III
REMOVE EXISTING CP

SLOPE INTERCEPT

EXISTING R/W

2

723.07

3

723.74

24'

STH 22

150' TAPER

5

723.12

6

723.74

SEPTIC

GUY

SIGN

77 78 79 80 81 82 83 84

STH 22

82+68.96 STH 22=
20+00 CTH I

723.73

723.66

723.74

7

723.16

723.20

8

100' TAPER

+33.80

+94.04

150' TAPER

350' TAPER

19+59

10

11

EXISTING R/W

SLOPE INTERCEPT

TYPE A2 INTERSECTION, REQ'D
CONCRETE CURB & GUTTER
4-INCH MOUNTABLE
36-INCH TYPE D (TYP.)

+25.31

+44.27

12

722.66

18'

9

722.58

+26.62

+35.96

100' TAPER

+76.55

CTH I

ASPHALTIC FLUME
REQ'D (TYP)

+25.31

12' 12'

CONSTRUCTION LIMITS
18+00, SAWCUT REQ'D
MATCH EXISTING

EXISTING R/W

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	INTERSECTION DETAIL - CTH I	SHEET 21	E

FILE NAME : N:\PDS\C3D\91802200\SHEETSPLAN\STH 22_INTERSECTION DETAILS.DWG
LAYOUT NAME - STH 22 - CTH I_INT

PLOT DATE : 5/6/2016 1:53 PM PLOT BY : NELSON, PATTI M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

CONSTRUCTION LIMITS
22+50, SAWCUT REQ'D
MATCH EXISTING

SLOPE INTERCEPT

SLOPE INTERCEPT

EXISTING R/W

11' 11'

22

3'

+74.75

3'

ASPHALTIC FLUME
REQ'D (TYP)

100' TAPER

+23.31

50' TAPER

21

+02.32

+23.38

4

1

23'

722.40

722.51

R 48'

R/W

+42.34

+24.67

83+22
1-36" CPRC, CLASS III
REMOVE EXISTING CP

R/W

SLOPE INTERCEPT

EXISTING R/W

2

723.07

5

723.12

6

723.74

3

723.74

350'

150'

3"

+42.30

24'

24'

15'

12'

12'

15'

12'

81 82 83 84 85 86 87 88

STH 22

STH 22

82+68.96 STH 22=
20+00 CTH I

20

24'

723.74

7

723.74

15'

12'

+33.80

3'

100' TAPER

723.73

723.66

3'

19+59

10

723.20

723.16

8

11

EXISTING R/W

R 48'

R 48'

+25.31

+44.27

12

24'

722.66

18'

722.58

9

+26.62

+35.96

SLOPE INTERCEPT

TYPE A2 INTERSECTION, REQ'D
CONCRETE CURB & GUTTER
4-INCH MOUNTABLE
36-INCH TYPE D (TYP.)

R/W

3'

19

50'

+76.55

3'

100' TAPER

CTH I

ASPHALTIC FLUME
REQ'D (TYP)

R/W

+25.31

12'

12'

EXISTING R/W

CONSTRUCTION LIMITS
18+00, SAWCUT REQ'D
MATCH EXISTING

18

N

CURB FACE RADIUS TABLE

POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	83+42.34	74', RT, STH 22	Y= 178,403.2030 X= 553,718.0460
1	20+74.74	22', RT, CTH I	Y= 178,404.2934 X= 543,668.0579
2	23+40.60	38.88', RT, CTH I	Y= 178,369.8287 X= 543,683.5473
3	83+42.34	24', LT, STH 22	Y= 178,353.2062 X= 543,717.4800

NOTE: FLANGE LINE ELEVATIONS SHOWN

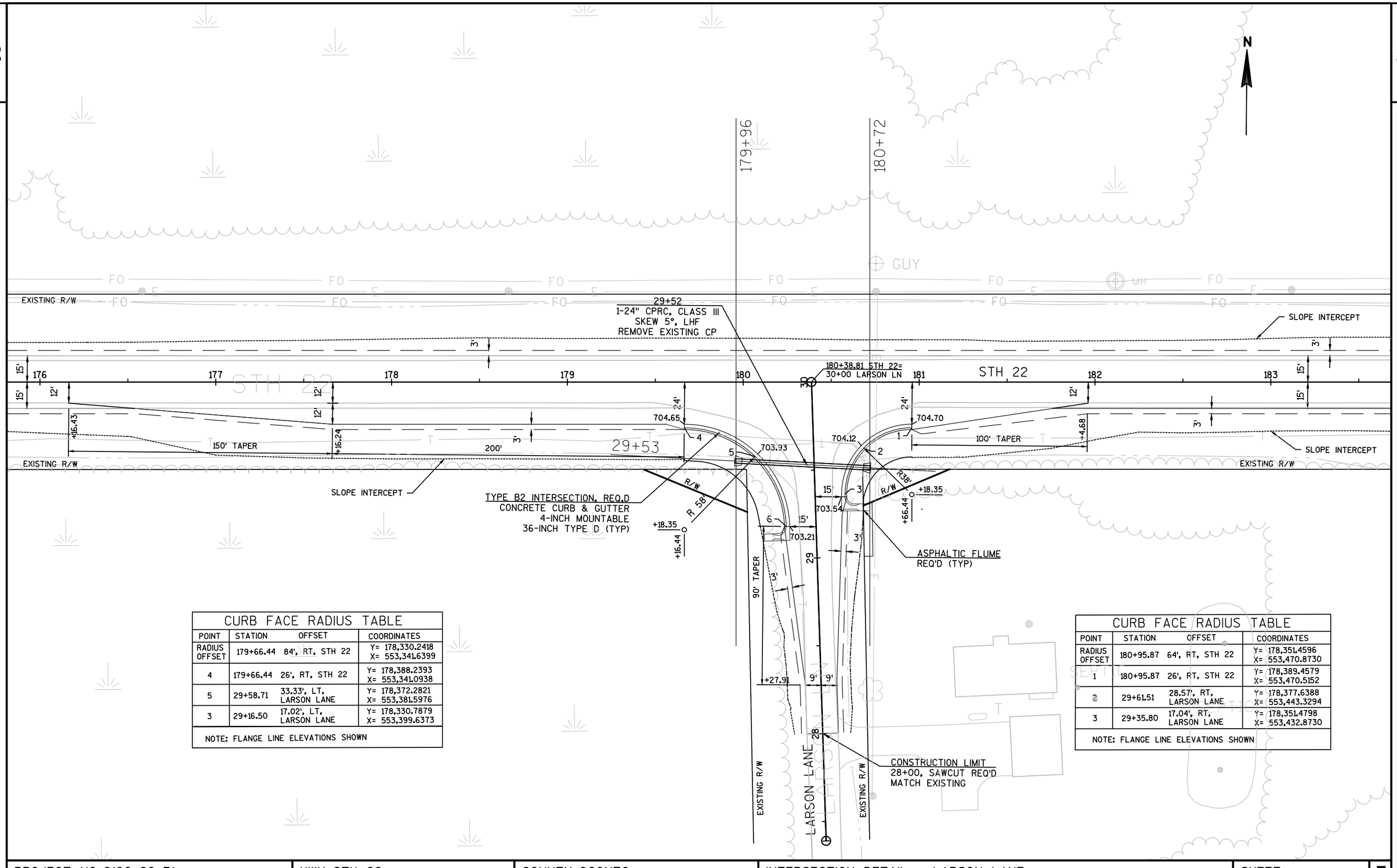
CURB FACE RADIUS TABLE

POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	83+35.96	74', RT, STH 22	Y= 178,255.2846 X= 543,709.9968
7	83+35.96	26', RT, STH 22	Y= 178,303.2816 X= 543,710.5402
8	19+60.39	33.57', RT, CTH I	Y= 178,289.7427 X= 543,676.5806
9	19+26.56	20', RT, CTH I	Y= 178,256.2137 X= 543,662.0543

NOTE: FLANGE LINE ELEVATIONS SHOWN

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	INTERSECTION DETAIL - CTH I	SHEET 22	E

2

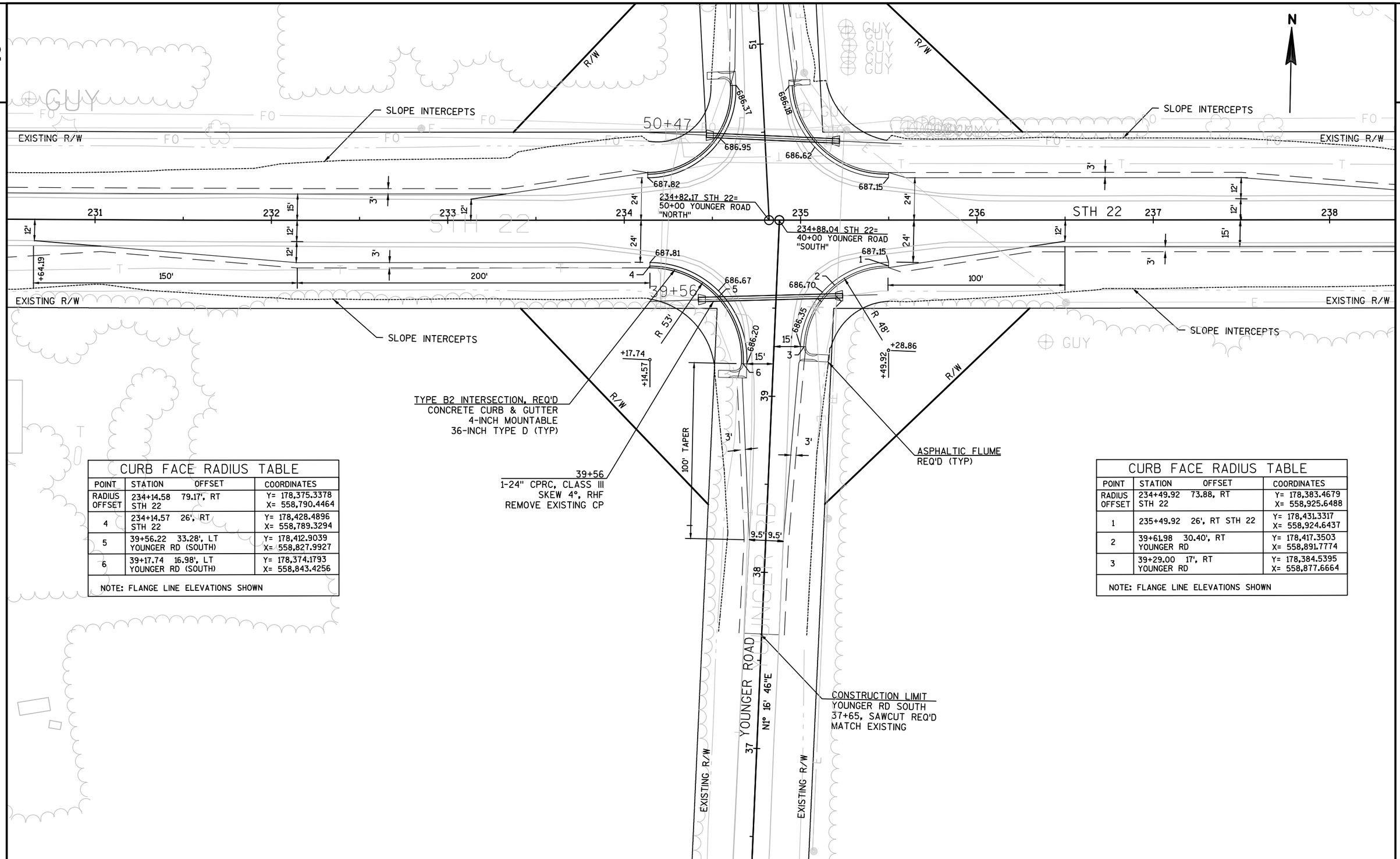


CURB FACE RADIUS TABLE			
POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	179+66.44	84', RT, STH 22	Y= 178,330.2418 X= 553,341.6399
4	179+66.44	26', RT, STH 22	Y= 178,388.2393 X= 553,341.0938
5	29+58.71	33.33', LT, LARSON LANE	Y= 178,372.2821 X= 553,381.5976
3	29+16.50	17.02', LT, LARSON LANE	Y= 178,330.7879 X= 553,399.6373
NOTE: FLANGE LINE ELEVATIONS SHOWN			

CURB FACE RADIUS TABLE			
POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	180+95.87	64', RT, STH 22	Y= 178,351.4596 X= 553,470.8730
1	180+95.87	26', RT, STH 22	Y= 178,389.4579 X= 553,470.5152
2	29+61.51	28.57', RT, LARSON LANE	Y= 178,377.6388 X= 553,443.3294
3	29+35.80	17.04', RT, LARSON LANE	Y= 178,351.4798 X= 553,432.8730
NOTE: FLANGE LINE ELEVATIONS SHOWN			

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	INTERSECTION DETAIL - LARSON LANE	SHEET 23	E

2



CURB FACE RADIUS TABLE		
POINT	STATION OFFSET	COORDINATES
RADIUS OFFSET	234+14.58 79.17', RT STH 22	Y= 178,375.3378 X= 558,790.4464
4	234+14.57 26', RT STH 22	Y= 178,428.4896 X= 558,789.3294
5	39+56.22 33.28', LT YOUNGER RD (SOUTH)	Y= 178,412.9039 X= 558,827.9927
6	39+17.74 16.98', LT YOUNGER RD (SOUTH)	Y= 178,374.1793 X= 558,843.4256
NOTE: FLANGE LINE ELEVATIONS SHOWN		

CURB FACE RADIUS TABLE		
POINT	STATION OFFSET	COORDINATES
RADIUS OFFSET	234+49.92 73.88, RT STH 22	Y= 178,383.4679 X= 558,925.6488
1	235+49.92 26', RT STH 22	Y= 178,431.3317 X= 558,924.6437
2	39+61.98 30.40', RT YOUNGER RD	Y= 178,417.3503 X= 558,891.7774
3	39+29.00 17', RT YOUNGER RD	Y= 178,384.5395 X= 558,877.6664
NOTE: FLANGE LINE ELEVATIONS SHOWN		

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	INTERSECTION DETAIL - STH 22 - YOUNGER ROAD "SOUTH"	SHEET 24	E

FILE NAME : N:\PDS\C3D\91802200\SHEETSPLAN\STH 22_INTERSECTION DETAILS.DWG
LAYOUT NAME - SHEET - STH 22- YOUNGER RD SOUTH
PLOT DATE : 5/6/2016 1:53 PM PLOT BY : NELSON, PATTI M PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

CONSTRUCTION LIMIT
YOUNGER ROAD NORTH
52+60, SAWCUT
MATCH EXISTING

CURB FACE RADIUS TABLE			
POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	234+13.58	74.01', LT, STH 22	Y= 178,528.4670 X= 558,786.2349
10	50+77.36	17', LT, YOUNG ROAD	Y= 178,531.8654 X= 558,833.9156
11	50+48.43	26.70', LT, YOUNG ROAD	Y= 178,502.3211 X= 558,826.3003
12	234+13.58	26', LT, STH 22	Y= 178,480.4635 X= 558,787.0447
NOTE: FLANGE LINE ELEVATIONS SHOWN			

CURB FACE RADIUS TABLE			
POINT	STATION	OFFSET	COORDINATES
RADIUS OFFSET	235+48.30	79', LT, STH 22	Y= 178,536.2842 X= 558,920.8214
7	50+75.59	17', RT, YOUNG ROAD	Y= 178,532.5162 X= 558,867.9555
8	50+38.47	32.16', RT, YOUNG ROAD	Y= 178,496.5741 X= 558,885.7125
9	235+49.11	26', LT, STH 22	Y= 178,483.3129 X= 558,922.7425
NOTE: FLANGE LINE ELEVATIONS SHOWN			

CAUTION

USE CAUTION WHEN WORKING
NEAR FIBER OPTIC LINES
THROUGH YOUNGER ROAD INTERSECTION

TYPE B2 INTERSECTION, REQ'D
CONCRETE CURB & GUTTER
4-INCH MOUNTABLE
36-INCH TYPE D (TYP)

ASPHALTIC FLUME
REQ'D (TYP)

EXISTING R/W

52 N4° 04' 37"W YOUNGER ROAD

9.5 9.5

3' 3'

100' TAPER

51

10 15'

7 15'

+10.58

+27.36

R48'

686.37

686.18

686.95

686.62

12

11

8

9

687.82

687.15

687.81

687.15

686.67

686.70

686.35

686.20

+13.05

+48.30

+25.59

R 53'

39+56
1-24" CPRC, CLASS III
SKEW 4°, RHF
REMOVE EXISTING CP

50+47

39+56

SLOPE INTERCEPTS

100'

200'

150'

3'

15'

12'

24'

232 233 234 235 236 STH 22 237 238 239

234+82.17 STH 22=
50+00 YOUNGER ROAD
"NORTH"

234+88.04 STH 22=
40+00 YOUNGER ROAD
"SOUTH"

39

100' TAPER

R/W

GUY

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	INTERSECTION DETAIL - STH 22 - YOUNGER ROAD "NORTH"	SHEET 25	E

2

RUNOFF COEFFICIENT TABLE

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

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

2

EXISTING R/W

STH 22

EXISTING R/W

BEGIN PROJECT
STA 50+00

50

55

60

65

LEGEND

- ###### EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

N

SEPTIC

SLOPE INTERCEPTS, TYP

EXISTING R/W

STH 22

65

70

70

75

EXISTING R/W

STH 22

TANKS

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 27	E

2

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

R/W

80 85 90

STH 22

EXISTING R/W

LEGEND

- ###### EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

SEPTIC

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

95 100 105

STH 22

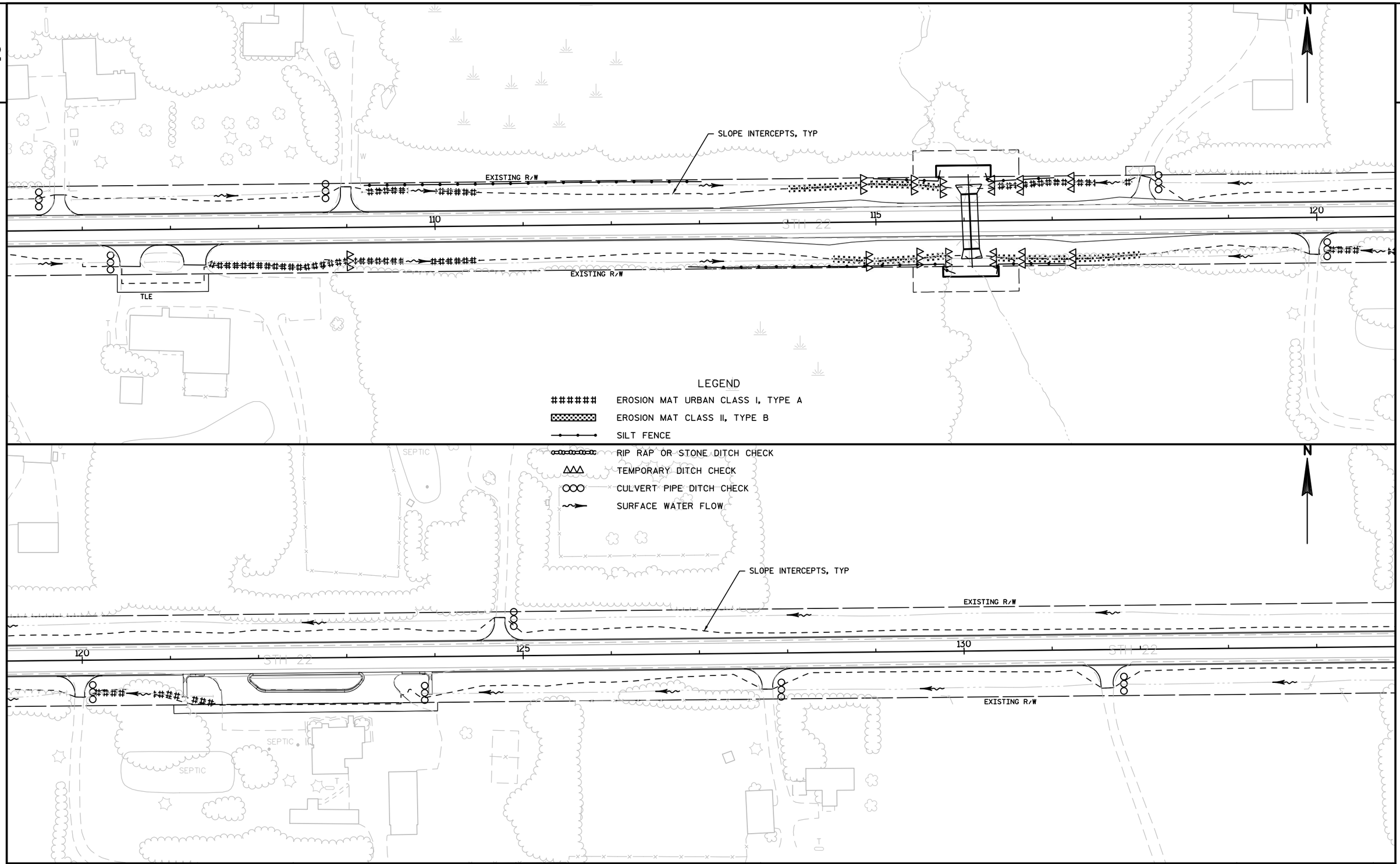
EXISTING R/W

TLE

SEPTIC

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 28	E

2



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 29	E

2

2

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

135

140

145

STH 22

EXISTING R/W

LEGEND

- ###### EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

150

155

160

STH 22

STH 22

EXISTING R/W

SEPTIC

SEPTIC

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 30	E

FILE NAME : N:\PDS\C3D\91802200\SHEETSPLAN\91802200_EROSION CONTROL_MTB.DWG
LAYOUT NAME - SHEET - (139)

PLOT DATE : 6/2/2015 2:13 PM

PLOT BY : BERTUCCI, MATTHEW T PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

165

170

175

STH 22

EXISTING R/W

LEGEND

######	EROSION MAT URBAN CLASS I, TYPE A
	EROSION MAT CLASS II, TYPE B
	SILT FENCE
	RIP RAP OR STONE DITCH CHECK
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	SURFACE WATER FLOW

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

180

185

190

STH 22

STH 22

R/W

R/W

EXISTING R/W

SEPTIC

SEPTIC

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 31	E

2

2

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

190

195

200

STH 22

EXISTING R/W

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

205

210

215

STH 22

STH 22

EXISTING R/W

SEPTIC

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 32	E

2

2

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

220

225

230

STH 22

EXISTING R/W

LEGEND

######	EROSION MAT URBAN CLASS I, TYPE A
	EROSION MAT CLASS II, TYPE B
	SILT FENCE
	RIP RAP OR STONE DITCH CHECK
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	SURFACE WATER FLOW

RUINS

N

R/W

R/W

SLOPE INTERCEPTS, TYP

EXISTING R/W

235

240

245

STH 22

STH 22

EXISTING R/W

R/W

R/W

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 33	E

FILE NAME : N:\PDS\C3D\91802200\SHEETSPLAN\91802200_EROSION CONTROL_MTB.DWG
LAYOUT NAME - SHEET - (145)

PLOT DATE : 6/2/2015 2:14 PM PLOT BY : BERTUCCI, MATTHEW T PLOT NAME :

PLOT SCALE : 1 IN:100 FT

2

2

N

SLOPE INTERCEPTS, TYP

R/W

EXISTING R/W

250

255

260

STH 22

EXISTING R/W

R/W

LEGEND

- ###### EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

N

SLOPE INTERCEPTS, TYP

EXISTING R/W

260

265

270

273

STH 22

EXISTING R/W

R/W

R/W

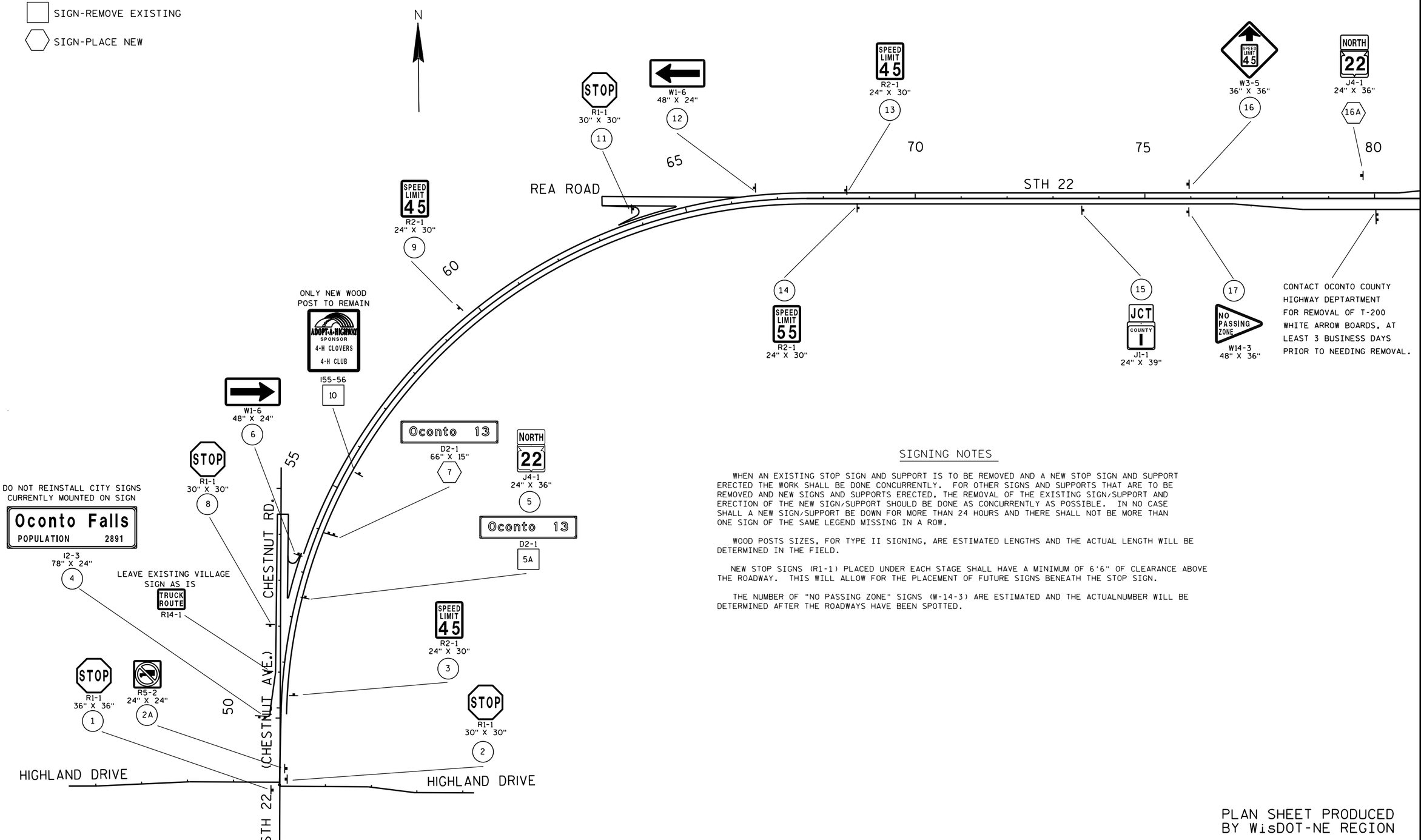
END PROJECT
STA 272+79.86

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	EROSION CONTROL	SHEET 34	E

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW



SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

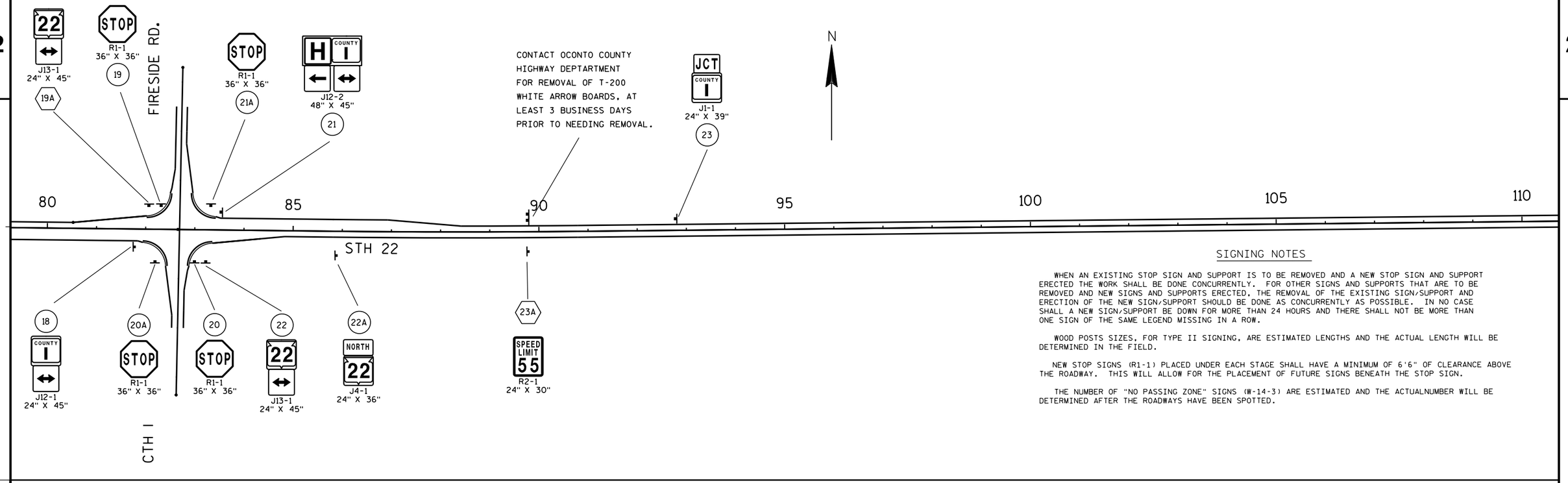
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER EACH STAGE SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUALNUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PERMANENT SIGNING	SHEET 35 E



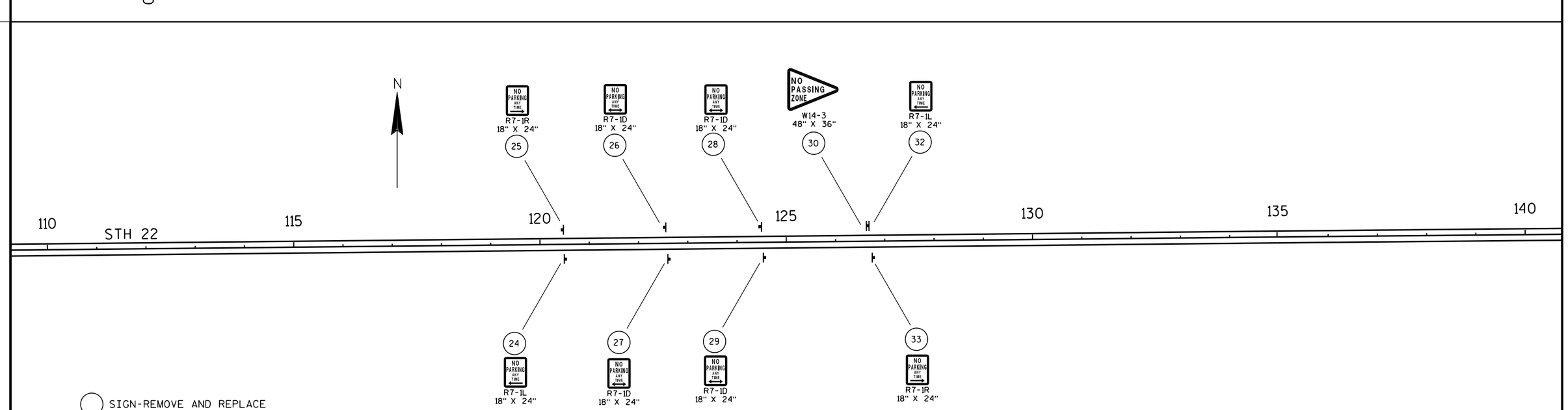
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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PERMANENT SIGNING	SHEET 36	E

2

N

STH 22

145

150

155

160

165

170

34

NO PASSING ZONE

W14-3
48" X 36"

35

W11-3

NEXT 2 MILES

W57-51

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

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ONLY NEW WOOD POST TO REMAIN

ADOPT-A-HIGHWAY SPONSOR 4-H CLOVERS 4-H CLUB

155-56

36

N

STH 22

175

180

185

190

195

200

LARSON LANE

37

STOP

R1-1
30" X 30"

38

ADOPT-A-HIGHWAY SPONSOR MOO CLUB WASHINGTON SCHOOL OCONTO FALLS

155-56
30" X 36"

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PERMANENT SIGNING	SHEET 37	E

2

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

N

STH 22

205 210 215 220 225 230

39 R7-1R 24" X 30"

42 R7-1D 18" X 24"

44 R7-1D 18" X 24"

40 R7-1L 18" X 24"

41 R7-1D 18" X 24"

43 R7-1D 18" X 24"

SIGNING NOTES

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N

STH 22

235 240 245 250 255 260

45 R7-1D 18" X 24"

48 R7-1L 18" X 24"

50 R1-1 30" X 30"

52 W14-3 48" X 36"

46 R7-1D 18" X 24"

47 R7-1D 18" X 24"

49 R7-1R 18" X 24"

51 R1-1 30" X 30"

53 Stiles Junction UNINCORPORATED I-2-3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PERMANENT SIGNING	SHEET 38 E

FILE NAME : N:\spo\traffic\SIGNING\Projects\9180-22-71 STH 22\023204_ps.dgn PLOT DATE : 21-APR-2016 14:26 PLOT BY : dotets PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

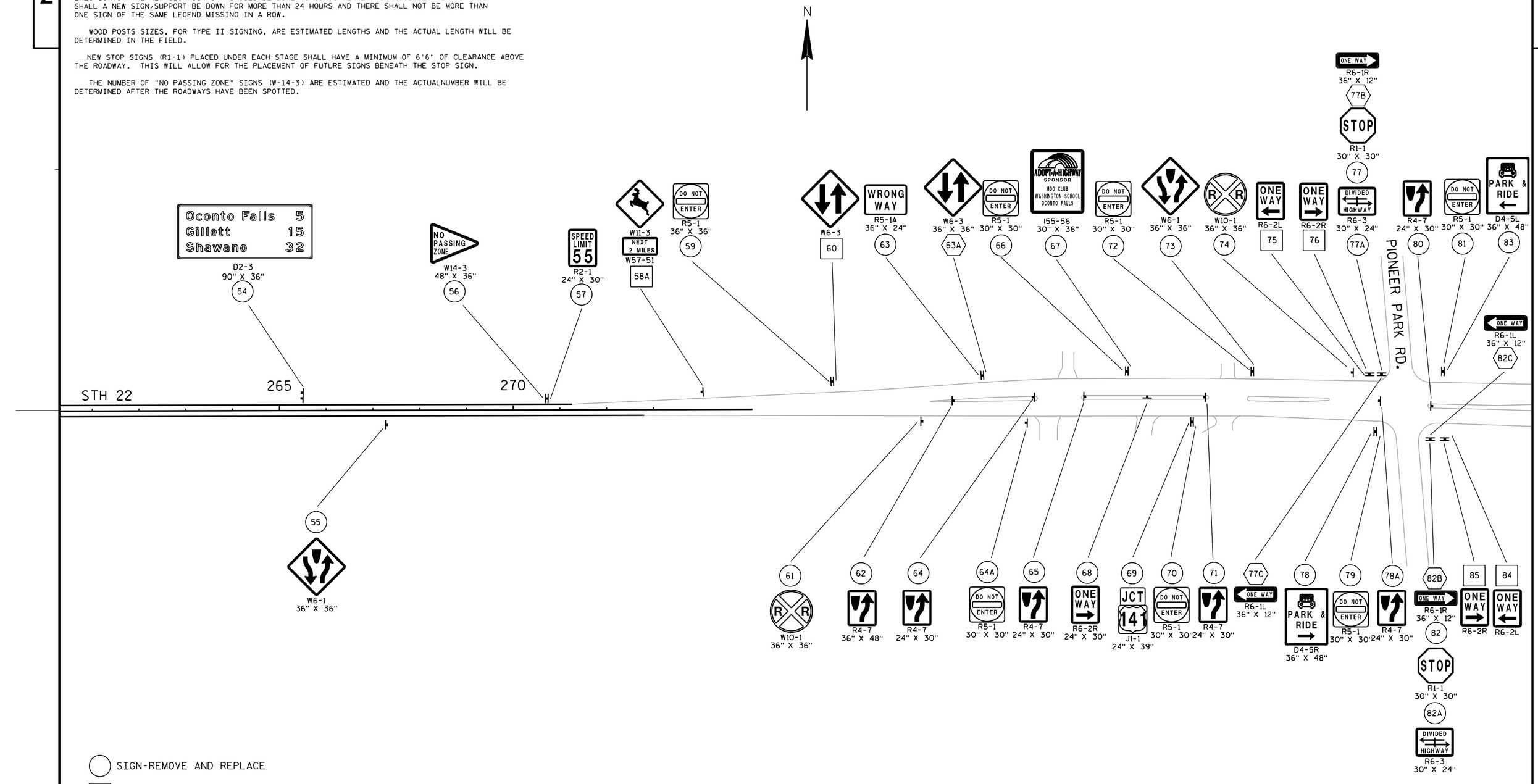
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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PERMANENT SIGNING	SHEET 39 E

FILE NAME : N:\spo\traffic\SIGNING\Projects\9180-22-71 STH 22\023205_ps.dgn PLOT DATE : 21-APR-2016 14:26 PLOT BY : dotets PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

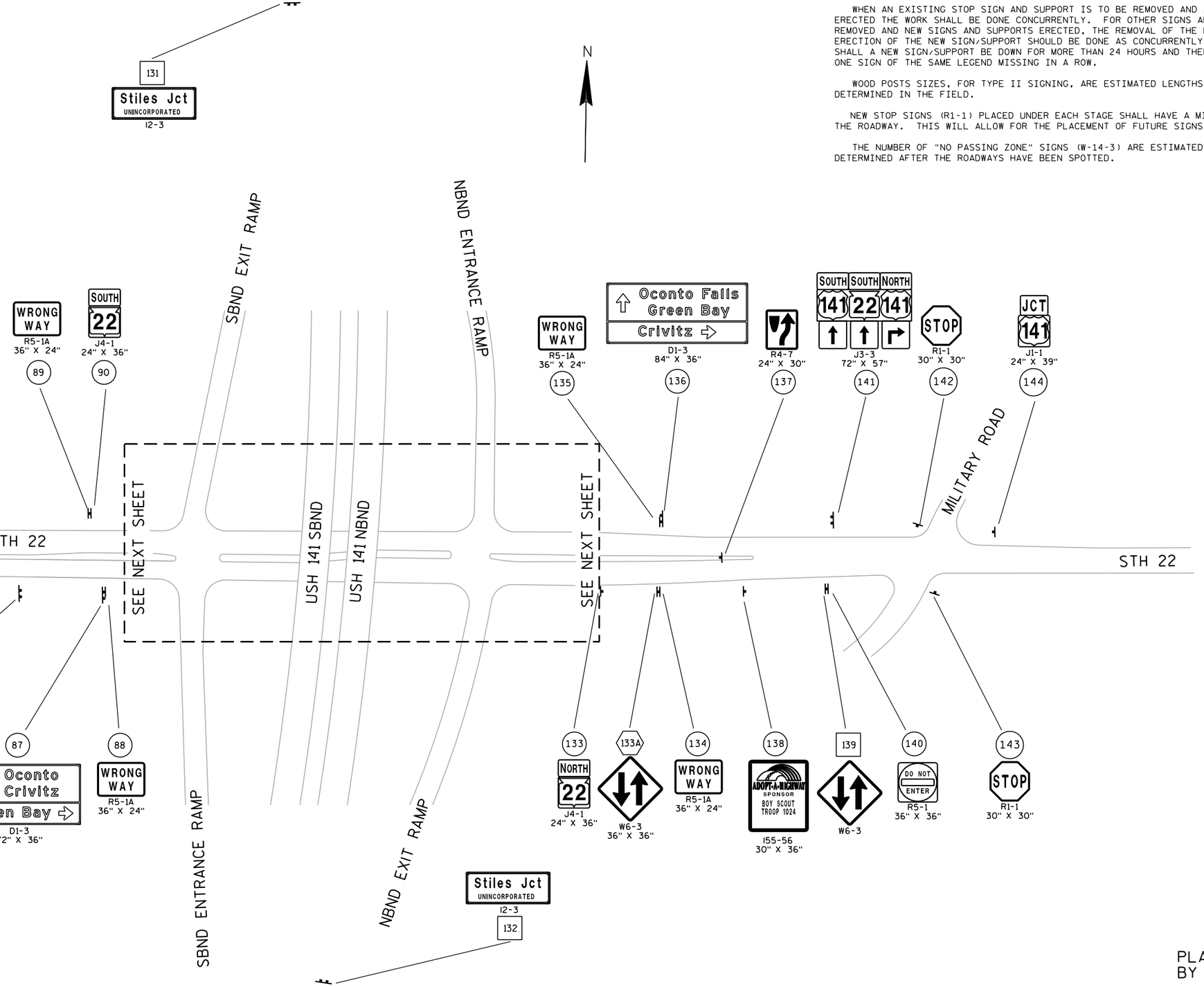
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PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PERMANENT SIGNING	SHEET 40	E

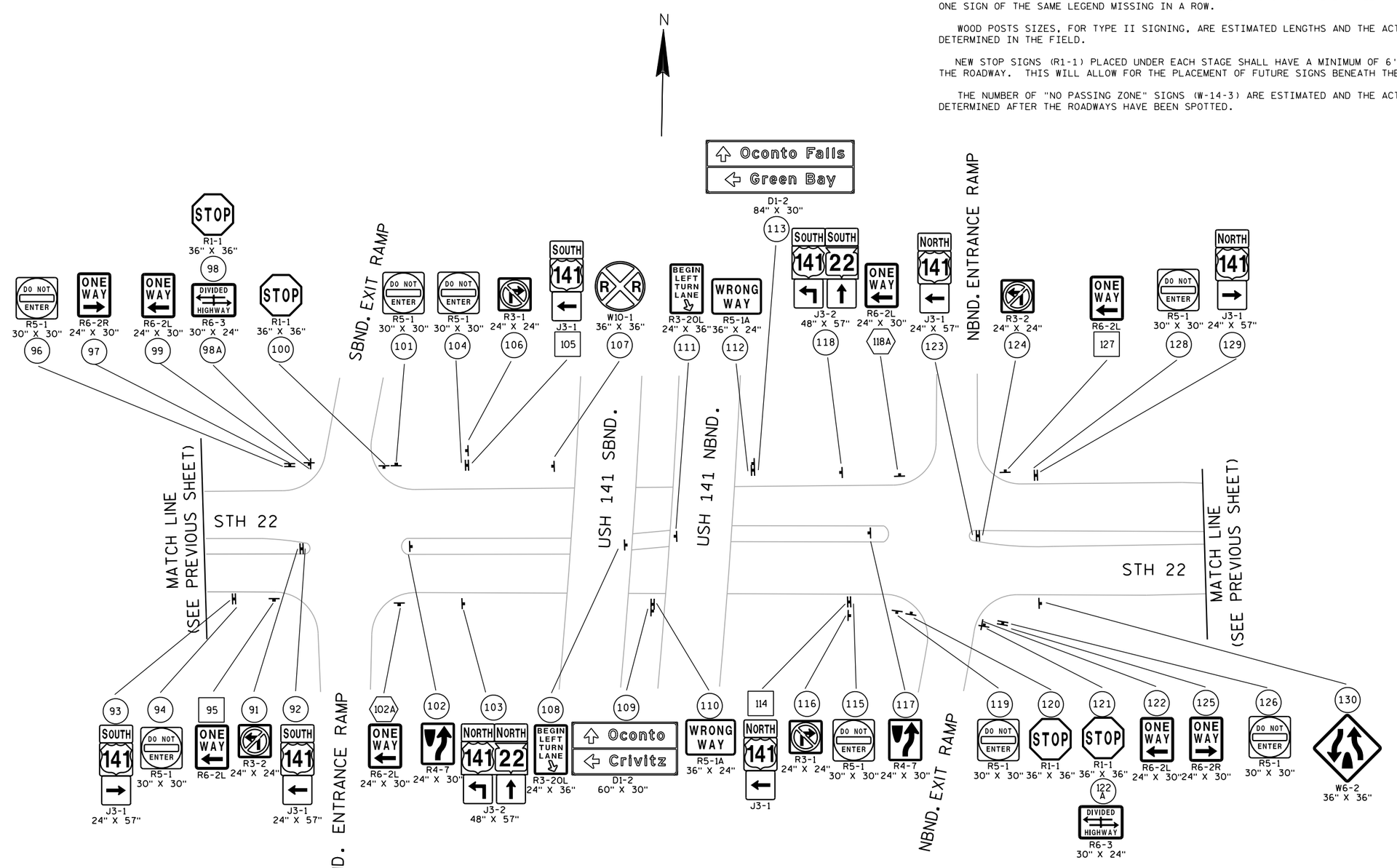
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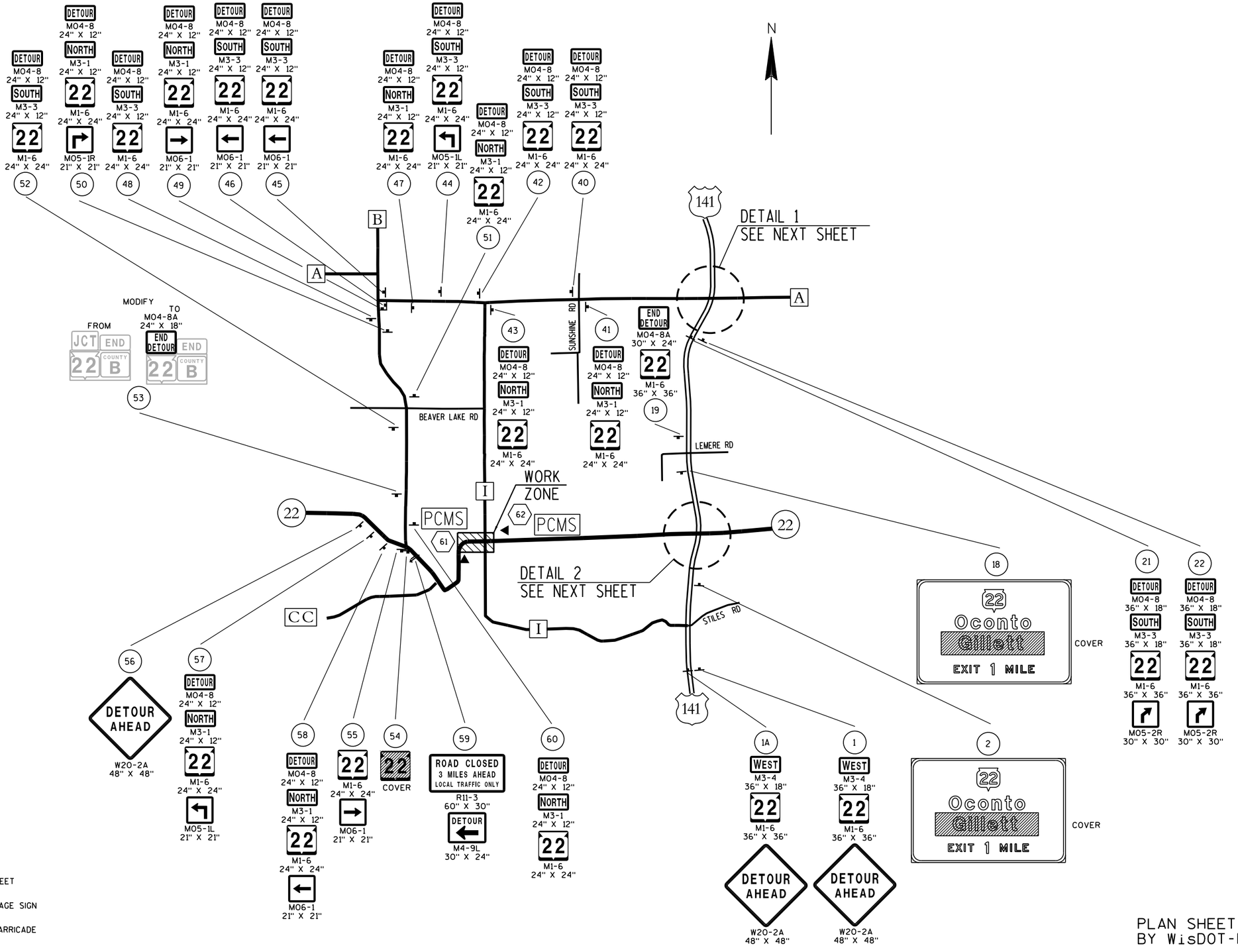
SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

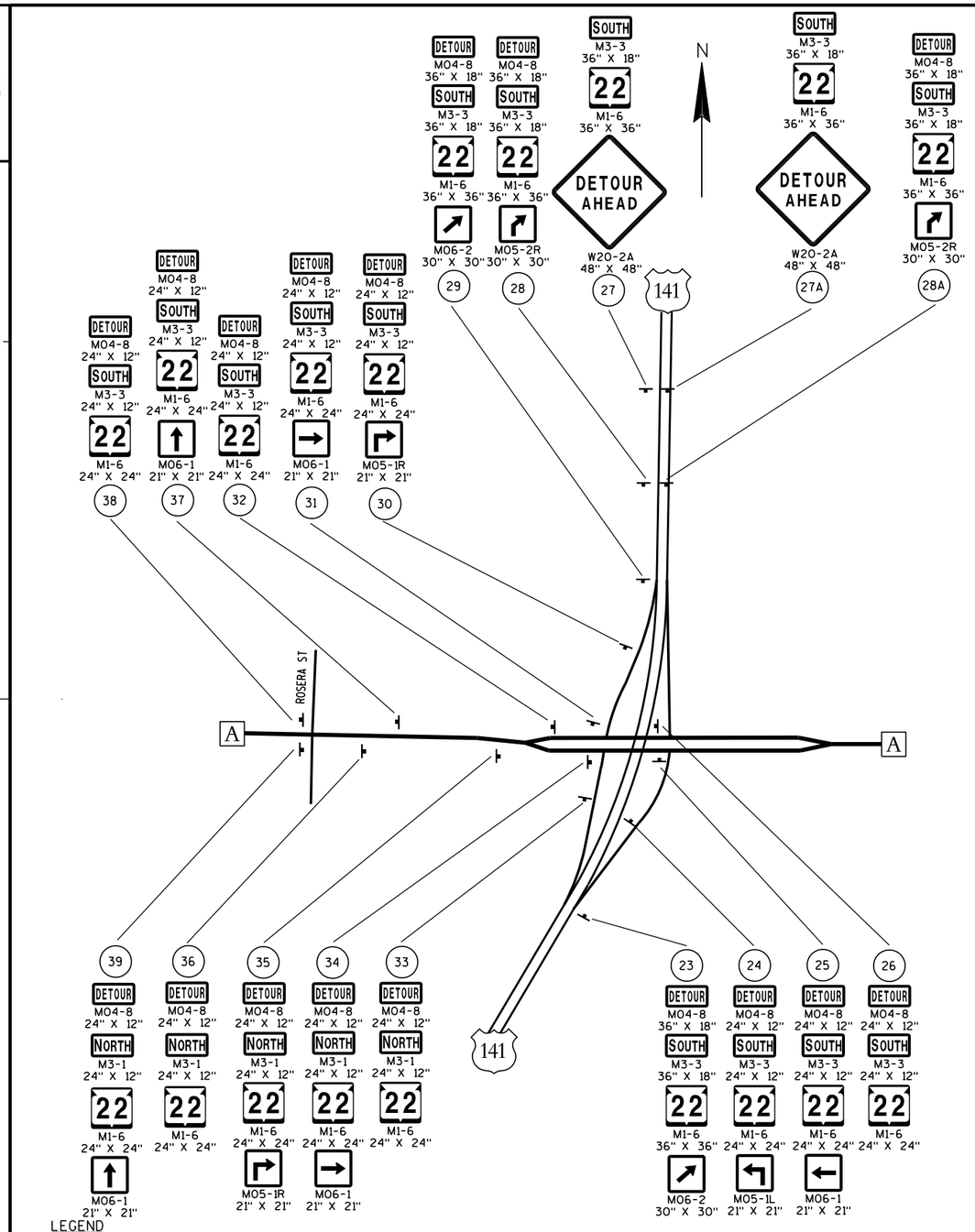
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PERMANENT SIGNING	SHEET 41	E



PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	DETOUR SIGNING - STAGE 1	SHEET 42	E



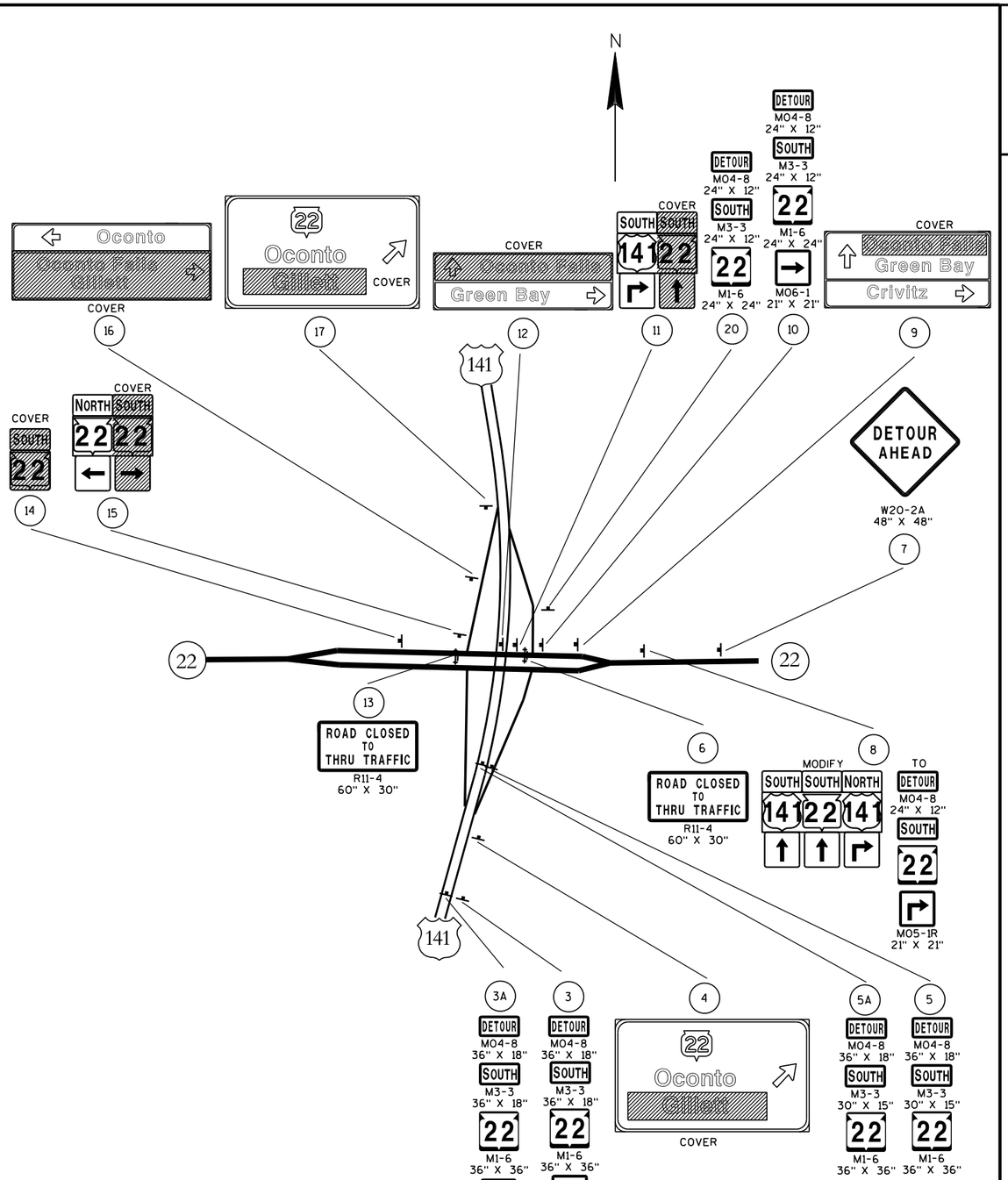
LEGEND

(X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET

SIGN MOUNTED ON TYPE III BARRICADE

POST MOUNTED SIGN

DETAIL 1

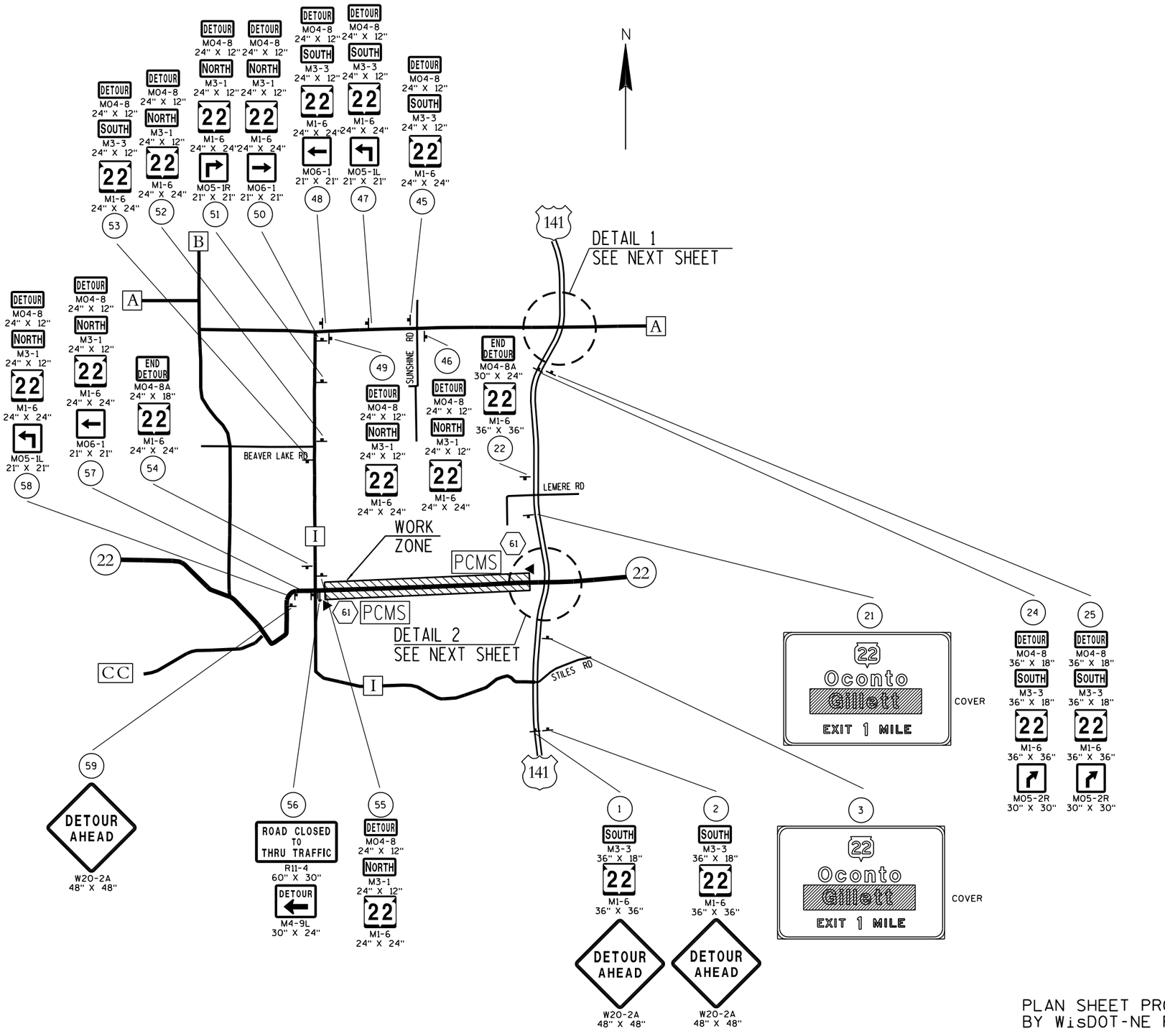


DETAIL 2

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	DETOUR SIGNING - STAGE 1	SHEET 43	E

2

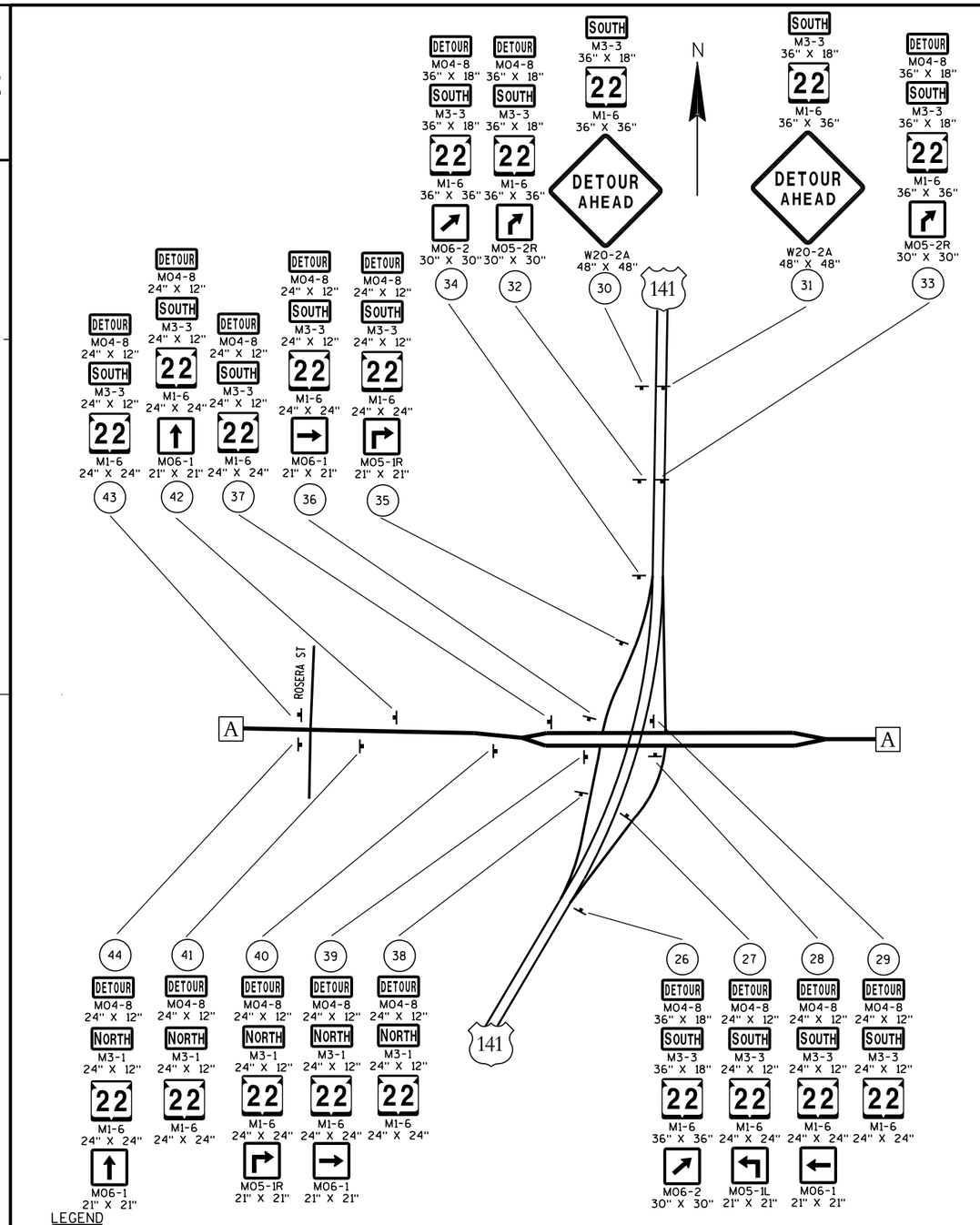


LEGEND

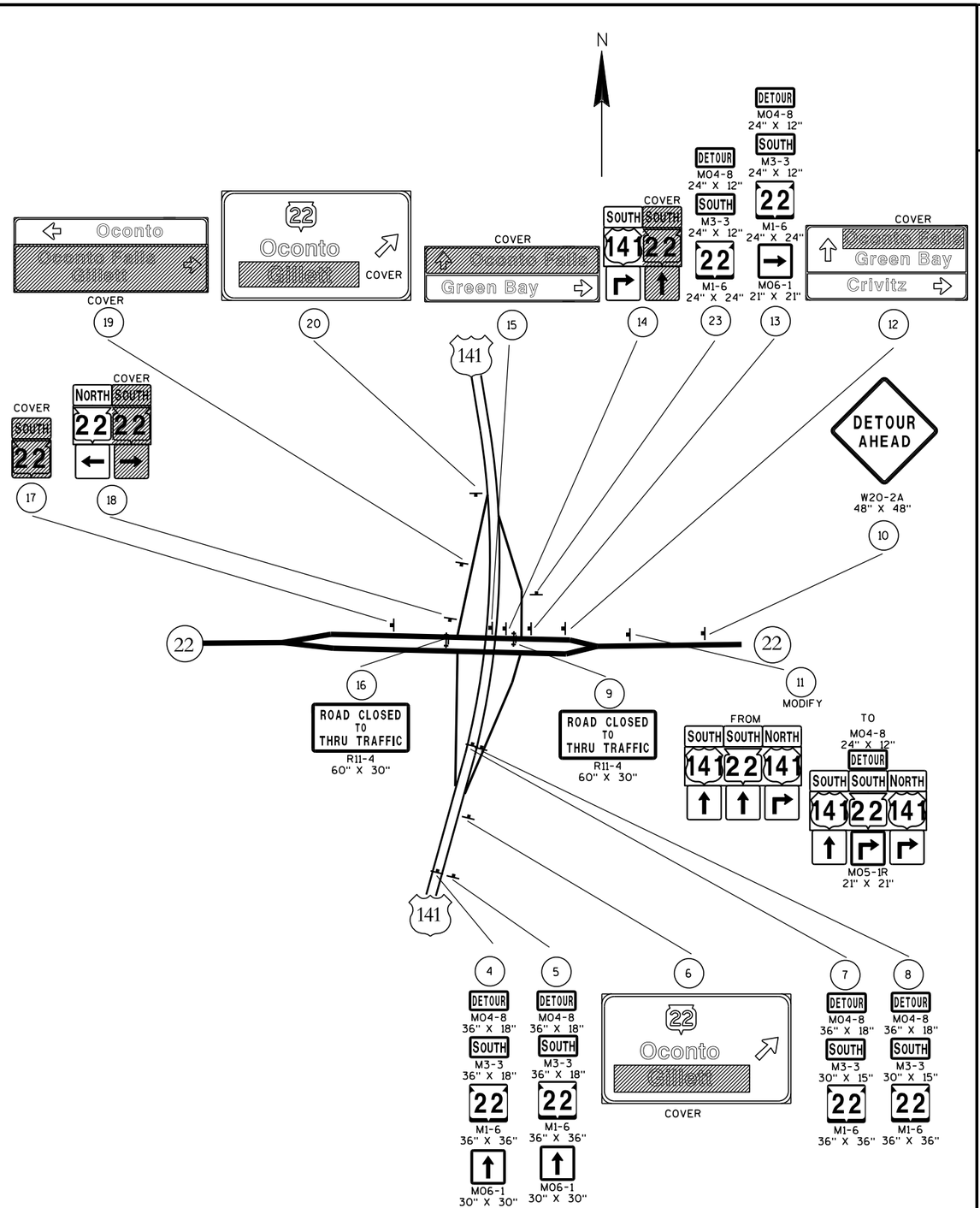
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	DETOUR SIGNING - STAGE 2	SHEET 44	E



DETAIL 1



DETAIL 2

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	DETOUR SIGNING - STAGE 2	SHEET 45 E

DATE 24JUN16 E S T I M A T E O F Q U A N T I T I E S

LINE 9180-22-71

NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	201.0105	Clearing	STA	53.000	53.000
0020	201.0205	Grubbing	STA	53.000	53.000
0030	203.0100	Removing Small Pipe Culverts	EACH	21.000	21.000
0040	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. STA 116+06	LS	1.000	1.000
0050	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 02. STA 248+33.88	LS	1.000	1.000
0060	204.0100	Removing Pavement	SY	1,757.000	1,757.000
0070	204.0110	Removing Asphaltic Surface	SY	47,703.000	47,703.000
0080	204.0115	Removing Asphaltic Surface Butt Joints	SY	45.000	45.000
0090	204.0120	Removing Asphaltic Surface Milling	SY	27,318.000	27,318.000
0100	204.0150	Removing Curb & Gutter	LF	313.000	313.000
0110	204.0155	Removing Concrete Sidewalk	SY	11.000	11.000
0120	204.0165	Removing Guardrail	LF	1,288.000	1,288.000
0130	204.0175	Removing Concrete Slope Paving	SY	40.000	40.000
0140	204.0180	Removing Delineators and Markers	EACH	24.000	24.000
0150	205.0100	Excavation Common	CY	14,439.000	14,439.000
0160	205.0400	Excavation Marsh	CY	858.000	858.000
0170	206.2000	Excavation for Structures Culverts (structure) 01. C-42-0108	LS	1.000	1.000
0180	206.2000	Excavation for Structures Culverts (structure) 02. C-42-109	LS	1.000	1.000
0190	208.0100	Borrow	CY	9,911.000	9,911.000
0200	208.1100	Select Borrow	CY	5,024.000	5,024.000
0210	209.0100	Backfill Granular	CY	471.000	471.000
0220	210.0100	Backfill Structure	CY	1,175.000	1,175.000
0230	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 9180-22-71	LS	1.000	1.000
0240	213.0100	Finishing Roadway (project) 01. 9180-22-71	EACH	1.000	1.000
0250	305.0110	Base Aggregate Dense 3/4-Inch	TON	4,052.000	4,052.000
0260	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	40,157.000	40,157.000
0270	305.0500	Shaping Shoulders	STA	449.000	449.000
0280	311.0110	Breaker Run	TON	166.000	166.000
0290	311.0115	Breaker Run	CY	3,795.000	3,795.000
0300	371.1000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	TON	40,157.000	40,157.000
0310	415.0080	Concrete Pavement 8-Inch	SY	247.000	247.000
0320	416.0610	Drilled Tie Bars	EACH	24.000	24.000
0330	440.4410	Incentive IRI Ride	DOL	17,362.000	17,362.000
0340	455.0605	Tack Coat	GAL	5,038.000	5,038.000
0350	460.2000	Incentive Density HMA Pavement	DOL	14,200.000	14,200.000
0360	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	44,560.000	44,560.000
0370	460.6223	HMA Pavement 3 MT 58-28 S	TON	13,844.000	13,844.000
0380	460.6244	HMA Pavement 4 MT 58-34 S	TON	8,322.000	8,322.000
0390	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	239.000	239.000
0400	465.0315	Asphaltic Flumes	SY	151.000	151.000
0410	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	33,849.000	33,849.000
0420	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	19,023.000	19,023.000
0430	504.0100	Concrete Masonry Culverts	CY	264.000	264.000

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DATE 24JUN16 E S T I M A T E O F Q U A N T I T I E S

LINE 9180-22-71

NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0440	505.0400	Bar Steel Reinforcement HS Structures	LB	23,860.000	23,860.000
0450	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	12,140.000	12,140.000
0460	511.1200	Temporary Shoring (structure) 01. C-42-108	SF	580.000	580.000
0470	511.1200	Temporary Shoring (structure) 02. C-42-109	SF	1,065.000	1,065.000
0480	516.0500	Rubberized Membrane Waterproofing	SY	41.000	41.000
0490	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	483.000	483.000
0500	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	28.000	28.000
0510	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	303.000	303.000
0520	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	139.000	139.000
0530	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	146.000	146.000
0540	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	8.000	8.000
0550	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000
0560	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	4.000	4.000
0570	523.0138	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	66.000	66.000
0580	523.0538	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	EACH	2.000	2.000
0590	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	2,603.000	2,603.000
0600	602.0405	Concrete Sidewalk 4-Inch	SF	54.000	54.000
0610	603.8000	Concrete Barrier Temporary Precast Delivered	LF	600.000	600.000
0620	603.8125	Concrete Barrier Temporary Precast Installed	LF	600.000	600.000
0630	606.0200	Riprap Medium	CY	109.000	109.000
0640	606.0300	Riprap Heavy	CY	63.000	63.000
0650	618.0100	Maintenance And Repair of Haul Roads (project) 01. 9180-22-71	EACH	1.000	1.000
0660	619.1000	Mobilization	EACH	1.000	1.000
0670	620.0300	Concrete Median Sloped Nose	SF	118.000	118.000
0680	624.0100	Water	MGAL	619.000	619.000
0690	625.0500	Salvaged Topsoil	SY	77,961.000	77,961.000
0700	627.0200	Mulching	SY	66,182.000	66,182.000
0710	628.1504	Silt Fence	LF	5,913.000	5,913.000
0720	628.1520	Silt Fence Maintenance	LF	5,913.000	5,913.000
0730	628.1905	Mobilizations Erosion Control	EACH	9.000	9.000
0740	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0750	628.2006	Erosion Mat Urban Class I Type A	SY	4,703.000	4,703.000
0760	628.2023	Erosion Mat Class II Type B	SY	7,082.000	7,082.000
0770	628.7015	Inlet Protection Type C	EACH	1.000	1.000
0780	628.7504	Temporary Ditch Checks	LF	1,755.000	1,755.000
0790	628.7555	Culvert Pipe Checks	EACH	133.000	133.000
0800	628.7570	Rock Bags	EACH	230.000	230.000
0810	629.0210	Fertilizer Type B	CWT	48.600	48.600

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DATE 24JUN16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	9180-22-71 QUANTITY
0820	630.0130	Seeding Mixture No. 30	LB	2,950.000	2,950.000
0830	630.0200	Seeding Temporary	LB	3,637.000	3,637.000
0840	630.0300	Seeding Borrow Pit	LB	100.000	100.000
0850	633.5200	Markers Culvert End	EACH	24.000	24.000
0860	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	19.000	19.000
0870	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	75.000	75.000
0880	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	30.000	30.000
0890	637.2210	Signs Type II Reflective H	SF	880.350	880.350
0900	637.2230	Signs Type II Reflective F	SF	121.210	121.210
0910	638.2602	Removing Signs Type II	EACH	124.000	124.000
0920	638.3000	Removing Small Sign Supports	EACH	131.000	131.000
0930	642.5401	Field Office Type D	EACH	1.000	1.000
0940	643.0100	Traffic Control (project) 01. 9180-22-71	EACH	1.000	1.000
0950	643.0300	Traffic Control Drums	DAY	1,475.000	1,475.000
0960	643.0420	Traffic Control Barricades Type III	DAY	2,188.000	2,188.000
0970	643.0705	Traffic Control Warning Lights Type A	DAY	4,175.000	4,175.000
0980	643.0900	Traffic Control Signs	DAY	300.000	300.000
0990	643.0910	Traffic Control Covering Signs Type I	EACH	4.000	4.000
1000	643.0920	Traffic Control Covering Signs Type II	EACH	7.000	7.000
1010	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
1020	643.2000	Traffic Control Detour (project) 01. 9180-22-71	EACH	1.000	1.000
1030	643.3000	Traffic Control Detour Signs	DAY	8,885.000	8,885.000
1040	645.0105	Geotextile Type C	SY	545.000	545.000
1050	645.0120	Geotextile Type HR	SY	489.000	489.000
1060	646.0106	Pavement Marking Epoxy 4-Inch	LF	70,623.000	70,623.000
1070	646.0126	Pavement Marking Epoxy 8-Inch	LF	1,600.000	1,600.000
1080	647.0110	Pavement Marking Railroad Crossings Epoxy	EACH	3.000	3.000
1090	648.0100	Locating No-Passing Zones	MI	4.220	4.220
1100	650.5000	Construction Staking Base	LF	16,737.000	16,737.000
1110	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,531.000	2,531.000
1120	650.6000	Construction Staking Pipe Culverts	EACH	9.000	9.000
1130	650.6500	Construction Staking Structure Layout (structure) 01. C-42-108	LS	1.000	1.000
1140	650.6500	Construction Staking Structure Layout (structure) 02. C-42-109	LS	1.000	1.000
1150	650.8000	Construction Staking Resurfacing Reference	LF	22,280.000	22,280.000
1160	650.9910	Construction Staking Supplemental Control (project) 01. 9180-22-71	LS	1.000	1.000
1170	650.9920	Construction Staking Slope Stakes	LF	23,507.000	23,507.000
1180	690.0150	Sawing Asphalt	LF	739.000	739.000
1190	690.0250	Sawing Concrete	LF	366.000	366.000
1200	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000
1210	715.0502	Incentive Strength Concrete Structures	DOL	500.000	500.000
1220	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
1230	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000
1240	SPV.0105	Special 01. Temporary Water Diversion - C-42-108	LS	1.000	1.000
1250	SPV.0105	Special 02. Temporary Water Diversion - C-42-109	LS	1.000	1.000
1260	SPV.0120	Special 01. Water for Seeded Areas	MGAL	124.000	124.000

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EARTHWORK SUMMARY

Division	From/To Station	Common Excavation (1)	(Item # 205.0100)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	208.1100 Select Borrow (Expanded EBS Backfill)	Marsh Excavation (6)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste	Borrow
Division 1		Cut (2)	EBS Excavation (3)			Factor 1.33	(Item #205.0500)		Factor 1.15			(Item #208.0100)
STH 22 (A)	49+89 - 180+50	5,549	2,199	3,556	1,993	2,924	858	7,233	8,318	-6326	0	3965
STH 22 (B)	181+00 - 272+80	3,434	1,579	2,658	776	2,100	0	7,130	8,200	-7424	0	5891
Chestnut Road	61+19 - 64+00	357	0	0	357	0	0	64	74	283	283	0
REA Road	65+53 - 68+00	295	0	0	295	0	0	37	43	252	252	0
CTH I	18+00 - 22+50	653	0	0	653	0	0	434	499	154	154	0
Larson Lane	28+14 - 29+50	76	0	0	76	0	0	119	137	-61	0	0
Younger Road South	37+65 - 39+50	192	0	0	192	0	0	137	158	34	34	0
Younger Road North	50+50 - 52+60	106	0	0	106	0	0	219	252	-146	0	55
Grand Total		10,662	3,777	6,214	4,448	5,024	858	15,373	17,679	-13,232	724	9,911
		Total Common Exc	14,439									

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100

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

3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.

4) Salvaged/Unusable Pavement Material

5) Available Material = Cut - Salvaged/Unusuable Pavement Material

6) Marsh Excavation - to be backfilled with Select Borrow Material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well. Item number 205.0500

13) Expanded Fill Factor = 1.15

Depending on selections: Expanded Fill = (Unexpanded Fill - Rock*Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock * Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock * Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock * Rock Factor) * Fill Factor

14) 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.

CLEARING AND GRUBBING

STATION	TO	STATION	LOCATION	201.0105 CLEARING STA.	201.0205 GRUBBING STA.
78+01	-	81+59	STH 22	4	4
93+77	-	94+33	STH 22	2	2
114+29	-	121+26	STH 22	8	8
149+64	-	149+98	STH 22	1	1
177+01	-	181+81	STH 22	5	5
203+61	-	205+93	STH 22	3	3
210+56	-	211+80	STH 22	2	2
227+10	-	238+99	STH 22	12	12
245+68	-	250+60	STH 22	6	6
265+32	-	265+57	STH 22	1	1
20+61	-	22+50	CTH I	3	3
28+14	-	29+99	LARSON LANE	2	2
38+18	-	39+99	YOUNGER ROAD	2	2
51+11	-	52+60	YOUNGER ROAD	2	2
PROJECT 9180-22-71 TOTALS				53	53

REMOVING PAVEMENT

ROADWAY	STATION	TO	STATION	204.0100 REMOVING PAVEMENT SY	REMARKS
STH 22	52+67		52+83	39	CULVERT PIPE
STH 22	83+14		83+30	39	CULVERT PIPE
STH 22	115+47		116+67	293	BOX CULVERT
STH 22	174+14		175+98	450	CULVERT PIPE
STH 22	196+50		196+66	39	CULVERT PIPE
STH 22	239+74		239+90	39	CULVERT PIPE
STH 22	247+58		249+18	391	BOX CULVERT
STH 22	285+98		286+94	466	RAILROAD
PROJECT 9180-22-71 TOTAL				1,757	

REMOVING SMALL PIPE CULVERTS

ROADWAY	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH	DESCRIPTION
STH 22	50+70	LT	1	42 LF (18" CPCS)
STH 22	52+75	RT/LT	1	74 LF (30" CPRC)
STH 22	83+22	RT/LT	1	76 LF (30" CPRC)
STH 22	118+06	LT	1	25 LF (18" CPCS)
STH 22	155+17	RT	1	21 LF (18" CPCS)
STH 22	158+94	LT	1	31 LF (18" CPCS)
STH 22	160+42	LT	1	35 LF (18" CPCS)
STH 22	160+90	LT	1	24 LF (18" CPCS)
STH 22	163+05	LT	1	24 LF (18" CPCS)
STH 22	164+92	LT	1	28 LF (18" CPCS)
STH 22	166+73	LT	1	32 LF (18" CPCS)
STH 22	175+04	RT/LT	1	44 LF (6' X 3' BOX CULVERT)
STH 22	196+58	RT/LT	1	51 LF (18" CPRC)
STH 22	230+03	RT	1	28 LF (18" CPCS)
STH 22	239+82	RT/LT	1	60 LF (30" CPRC)
STH 22	246+90	RT	1	36 LF (18" CPCS)
STH 22	268+25	RT/LT	1	52 LF (36" CPRC)
CHESTNUT ROAD	62+91	LT	1	43 LF (18" CPCS)
LARSON LANE	29+56	RT/LT	1	55 LF (18" CPCS)
YOUNGER ROAD	39+56	RT/LT	1	60 LF (18" CPCS)
YOUNGER ROAD	50+43	RT/LT	1	62 LF (18" CPCS)
PROJECT 9180-22-71 TOTAL			21	

REMOVING ASPHALTIC SURFACE

ROADWAY	STATION	TO	STATION	204.0110 REMOVING ASPHALTIC SURACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
STH 22	49+25	-	68+00	6,521	--
STH 22	68+00	-	82+00	--	4,701
STH 22	82+00	-	106+50	8,565	--
STH 22	106+50	-	125+00	272	6,198
STH 22	125+00	-	162+50	12,448	--
STH 22	162+50	-	181+00	--	5,628
STH 22	181+00	-	216+00	11,703	--
STH 22	216+00	-	248+00	46	10,791
STH 22	248+00	-	272+80	8,148	--
PROJECT 9180-22-71 TOTALS				47,703	27,318

REMOVING ASPHALTIC SURFACE BUTT JOINTS

STATION	TO	STATION	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	REMARKS
49+25	-	49+27	STH 22	7	BEGIN PROJECT
272+78	-	272+80	STH 22	7	END PROJECT
63+98	-	64+00	CHESTNUT ROAD	5	
65+50	-	65+52	REA ROAD	4	
18+00	-	18+02	CTH I	5	
22+48	-	22+50	CTH I	5	
28+00	-	28+02	LARSON LANE	4	
37+65	-	37+67	YOUNGER ROAD 'S'	4	
52+58	-	52+60	YOUNGER ROAD 'N'	4	
PROJECT 9180-22-71 TOTAL				45	

REMOVING CURB & GUTTER

ROADWAY	STATION	TO	STATION	OFFSET	204.0150 REMOVING CURB & GUTTER LF
STH 22	121+22	-	121+57	RT	35
STH 22	121+90	-	123+18	RT	152
STH 22	123+52	-	123+88	RT	36
STH 22	286+94	-	287+39	MEDIAN	90
PROJECT 9180-22-71 TOTAL					313

REMOVING CONCRETE SIDEWALK

ROADWAY	STATION	TO	STATION	204.0155 REMOVING CONCRETE SIDEWALK SY
STH 22	286+60	-	286+94	11
PROJECT 9180-22-71 TOTAL				11

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REMOVING GUARDRAIL

ROADWAY	STATION	TO	STATION	OFFSET	204.0165 REMOVING GUARDRAIL LF
STH 22	114+08	-	117+23	RT	316
STH 22	114+78	-	117+80	LT	303
STH 22	246+77	-	250+68	LT	391
STH 22	247+11	-	249+89	RT	278
PROJECT 9180-22-71 TOTAL					1,288

REMOVING CONCRETE SLOPE PAVING

ROADWAY	STATION	TO	STATION	204.0175 REMOVING CONCRETE SLOPE PAVING SY
STH 22	286+60	-	286+94	40
PROJECT 9180-22-71 TOTAL				40

REMOVING DELINEATORS AND MARKERS

ROADWAY	STATION	OFFSET	204.0180 REMOVING DELINEATORS AND MARKERS EA
STH 22	52+75	RT/LT	2
STH 22	83+22	RT/LT	2
STH 22	116+07	RT/LT	2
STH 22	143+05	RT	2
STH 22	175+04	RT/LT	2
STH 22	196+58	RT/LT	2
STH 22	239+82	RT/LT	2
STH 22	248+33	RT/LT	2
STH 22	268+25	RT/LT	2
LARSON LANE	29+56	RT/LT	2
YOUNGER ROAD	39+56	RT/LT	2
YOUNGER ROAD	50+43	RT/LT	2
PROJECT 9180-22-71 TOTAL			24

PREPARE FOUNDATION FOR ASPHALTIC PAVEMENT (9180-22-71)

STATION	-	STATION	LOCATION	211.0100 LS
50+00	-	272+80	STH 22	1
PROJECT 9180-22-71 TOTAL				1

FINISHING ROADWAY

ROADWAY	213.0100 FINISHING ROADWAY 9180-22-71 EACH
PROJECT 9180-22-71	1
PROJECT 9180-22-71 TOTAL	1

BASE AGGREGATE ITEMS

ROADWAY	STATION FROM		STATION TO	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	311.0110 BREAKER RUN TON	371.1000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON
STH 22	49+25	-	68+00	RT/LT	190	4,843	38	0	4,843
STH 22	68+00	-	82+00	RT/LT	123	288	28	608	288
STH 22	82+00	-	106+50	RT/LT	275	6,037	49	677	6,037
STH 22	106+50	-	125+00	RT/LT	175	0	37	--	0
STH 22	125+00	-	162+50	RT/LT	424	8,934	75	--	8,934
STH 22	162+50	-	174+40	RT/LT	99	--	24	--	0
STH 22	174+40	-	175+69	RT/LT	19	674	3	--	674
STH 22	175+69	-	179+70	RT/LT	45	772	8	444	772
STH 22	179+70	-	181+00	RT/LT	7	0	3	--	0
STH 22	181+00	-	216+00	RT/LT	387	8,552	70	--	8,552
STH 22	216+00	-	248+00	RT/LT	299	575	64	1,351	575
STH 22	248+00	-	272+80	RT/LT	331	6,152	50	--	6,152
RAILROAD CROSSING	285+98	-	286+94	RT/LT	55	292	0	715	292
CHESTNUT ROAD	63+15	-	64+00	RT/LT	6	200	--	--	200
REA ROAD	65+50	-	66+00	RT/LT	10	100	--	--	100
CTH I	20+73	-	22+00	RT/LT	21	596	--	--	596
CTH I	18+00	-	19+27	RT/LT	19	516	--	--	516
LARSON LANE	28+00	-	29+18	RT/LT	19	421	--	--	421
YOUNGER ROAD	38+00	-	39+18	RT/LT	23	543	--	--	543
YOUNGER ROAD	50+80	-	52+50	RT/LT	28	562	--	--	562
DRIVEWAYS	-		-	RT/LT	1,128	100	--	--	100
UNDISTRIBUTED	50+00.00		272+80.00	RT/LT	368	--	--	--	--
PROJECT 9180-22-71 TOTALS					4,052	40,157	449	3,795	40,157

CONCRETE PAVEMENT

STATION	TO	STATION	OFFSET	415.0080 CONCRETE PAVEMENT 8-INCH SY
285+98	-	286+94	RT/LT	247
PROJECT 9180-22-71 TOTALS				247

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ASPHALT ITEMS

ROADWAY	STATION			OFFSET	455.0605 TACK COAT GAL	460.4110.S REHEATING LONGITUDINAL JOINT LF	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6244 HMA PAVEMENT 4 MT 58-34 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCE TON	REMARKS
STH 22	49+25	-	272+80	RT/LT	--	44,560	--	--	--	
STH 22	50+00	-	68+00	RT/LT	426	--	1,322	711	--	
STH 22	68+00	-	82+00	RT/LT	309	--	666	518	--	
STH 22	82+00	-	106+50	RT/LT	525	--	1,629	878	29	
STH 22	106+50	-	125+00	RT/LT	397	--	853	664	76	
STH 22	125+00	-	162+50	RT/LT	750	--	2,328	1,253	11	
STH 22	162+50	-	174+14	RT/LT	233	--	501	390	--	
STH 22	174+14	-	175+98	RT/LT	74	--	158	61	--	
STH 22	175+69	-	176+16	RT/LT	4	--	9	4	--	
STH 22	176+16	-	179+70	RT/LT	86	--	269	144	--	
STH 22	179+70	-	181+00	RT/LT	34	--	84	45	--	
STH 22	181+00	-	216+00	RT/LT	706	--	2,191	1,181	30	
STH 22	216+00	-	248+00	RT/LT	703	--	1,513	1,176	11	
STH 22	248+00	-	272+80	RT/LT	500	--	1,551	835	21	
RAILROAD CROSSING	285+98	-	286+94	RT/LT	34	--	96	32	--	ROADWAY
RAILROAD CROSSING	285+98	-	286+94	RT/LT	6	--	14	7	--	SHOULDERS
CHESTNUT ROAD	62+72	-	63+07	RT/LT	18	--	57	31	26	
REA ROAD	65+53	-	66+00	RT/LT	7	--	21	11	24	
CTH I	20+24	-	22+50	RT/LT	52	--	162	88	11	
CTH I	18+00	-	19+76	RT/LT	47	--	146	79	--	
LARSON LANE	28+00	-	29+76	RT/LT	37	--	80	62	--	
YOUNGER ROAD	37+65	-	39+76	RT/LT	44	--	94	73	--	
YOUNGER ROAD	50+24	-	52+60	RT/LT	46	--	100	77	--	
PROJECT 9180-22-71 TOTALS					5,038	44,560	13,844	8,322	239	

ASPHALTIC FLUMES

ROADWAY	STATION	OFFSET	465.0315 ASPHALTIC FLUME SY
STH 22	121+16	RT	13
STH 22	123+94	RT	13
STH 22	203+74	RT	11
STH 22	207+94	RT	8
STH 22	220+52	LT	13
STH 22	224+70	LT	8
STH 22	260+39	RT	7
STH 22	267+06	RT	8
CTH I	19+22	LT	7
CTH I	19+22	RT	7
CTH I	20+25	LT	7
CTH I	20+25	RT	7
LARSON LANE	29+18	LT	7
LARSON LANE	29+30	RT	7
YOUNGER ROAD SOUTH	39+18	LT	7
YOUNGER ROAD SOUTH	39+29	RT	7
YOUNGER ROAD NORTH	50+75	LT	7
YOUNGER ROAD NORTH	50+72	RT	7
PROJECT 9180-22-71 TOTAL			151

ASPHALTIC RUMBLE STRIPS 2-LANE RURAL

ROADWAY	STATION			OFFSET	465.0425 ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL LF	465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL LF
STH 22	49+25	-	68+00	RT/LT	3,091	1,288
STH 22	68+00	-	82+00	RT/LT	1,566	813
STH 22	82+00	-	106+50	RT/LT	3,193	1,885
STH 22	106+50	-	125+00	RT/LT	2,938	1,313
STH 22	125+00	-	162+50	RT/LT	6,663	3,500
STH 22	162+50	-	181+00	RT/LT	2,978	1,589
STH 22	181+00	-	216+00	RT/LT	5,604	3,361
STH 22	216+00	-	248+00	RT/LT	3,913	2,794
STH 22	248+00	-	272+80	RT/LT	3,903	2,480
PROJECT 9180-22-71 TOTALS					33,849	19,023

CURB & GUTTER ITEMS

ROADWAY	STATION			OFFSET	601.0553 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	416.0610 DRILLED TIE BARS EACH
STH 22	121+22	-	121+57	RT	43	--	--
STH 22	121+90	-	123+18	RT	152	--	--
STH 22	123+52	-	123+88	RT	55	--	--
STH 22	203+80	-	204+19	RT	54	--	--
STH 22	204+31	-	207+46	RT	341	--	--
STH 22	207+62	-	207+88	RT	36	--	--
STH 22	220+58	-	223+11	LT	265	--	--
STH 22	223+23	-	224+64	LT	152	--	--
STH 22	260+45	-	260+73	RT	43	--	--
STH 22	260+87	-	264+15	RT	354	--	--
STH 22	264+28	-	267+00	RT	282	--	--
CTH I	19+25	-	19+73	LT	76	--	--
CTH I	19+27	-	19+75	RT	75	--	--
CTH I	20+25	-	20+73	LT	75	--	--
CTH I	20+27	-	20+75	RT	76	--	--
LARSON LANE	29+18	-	29+76	LT	89	--	--
LARSON LANE	29+34	-	29+72	RT	61	--	--
YOUNGER ROAD	39+23	-	39+71	LT	78	--	--
YOUNGER ROAD	39+29	-	39+77	RT	73	--	--
YOUNGER ROAD	50+23	-	50+70	RT	73	--	--
YOUNGER ROAD	50+29	-	50+77	LT	78	--	--
RAILROAD CROSSING					72	118	24
PROJECT 9180-22-71 TOTALS					2,603	118	24

CULVERT PIPE ITEMS

ROADWAY	STATION	OFFSET	209.0100 BACKFILL GRANULAR CY	521.0118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 6 TO 1 18-INCH EA	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH EA	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH EA	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH EA	523.0138 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH LF	523.0538 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH EA	MINIMUM PIPE THICKNESS INCHES
STH 22	50+70	LT		42	2	--	--	--	--	--	--	--	--	0.064
STH 22	53+00	LT		42	2	--	--	--	--	--	--	--	--	0.064
STH 22	52+75	RT/LT	96	--	--	--	--	94	--	--	2	--	--	--
STH 22	83+22	RT/LT	65	--	--	--	79	--	--	2	--	--	--	--
STH 22	109+00	LT		42	2	--	--	--	--	--	--	--	--	0.064
STH 22	116+07	RT/LT		--	--	--	--	--	--	--	--	--	--	--
STH 22	118+06	LT		43	2	--	--	--	--	--	--	--	--	0.064
STH 22	143+05	RT/LT		--	--	--	--	--	--	--	--	--	--	--
STH 22	155+17	RT		32	2	--	--	--	--	--	--	--	--	0.064
STH 22	158+94	LT		32	2	--	--	--	--	--	--	--	--	0.064
STH 22	160+42	LT		35	2	--	--	--	--	--	--	--	--	0.064
STH 22	160+90	LT		25	2	--	--	--	--	--	--	--	--	0.064
STH 22	163+05	LT		24	2	--	--	--	--	--	--	--	--	0.064
STH 22	164+92	LT		28	2	--	--	--	--	--	--	--	--	0.064
STH 22	166+73	LT		32	2	--	--	--	--	--	--	--	--	0.064
STH 22	175+04	RT/LT		--	--	--	--	--	--	--	--	66	2	--
STH 22	196+58	RT/LT	35	--	--	51	--	--	2	--	--	--	--	--
STH 22	230+03	RT		28	2	--	--	--	--	--	--	--	--	0.064
STH 22	239+82	RT/LT	49	--	--	--	60	--	--	2	--	--	--	--
STH 22	246+90	RT		35	2	--	--	--	--	--	--	--	--	0.064
STH 22	248+33	RT/LT		--	--	--	--	--	--	--	--	--	--	0.064
STH 22	268+25	RT/LT	53	--	--	--	--	52	--	--	2	--	--	--
CHESTNUT ROAD	62+91	LT		43	2	--	--	--	--	--	--	--	--	0.064
LARSON LANE	29+56	RT/LT	58	--	--	84	--	--	2	--	--	--	--	--
YOUNGER ROAD	39+56	RT/LT	57	--	--	83	--	--	2	--	--	--	--	--
YOUNGER ROAD	50+43	RT/LT	58	--	--	85	--	--	2	--	--	--	--	--
PROJECT 9180-22-71 TOTALS			471	483	28	303	139	146	8	4	4	66	2	

RIPRAP & GEOTEXTILE FABRIC

LOCATION	STATION	OFFSET	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY	REMARKS
STH 22	52+75	RT	12	35	12'X18'
STH 22	70+56	RT	18	49	14'X23'
STH 22	83+05	RT	8	24	11'X15'
STH 22	116+06	RT/LT	-	--	ON STRUCTURE PLANS
STH 22	143+05	RT	7	22	10'X12'
STH 22	150+02	RT	12	35	12'X18'
STH 22	175+04	RT	18	48	15'X21'
STH 22	196+58	RT	7	22	10'X12'
STH 22	220+00	RT	7	22	10'X12'
STH 22	239+82	RT	8	24	11'X15'
STH 22	248+46	RT/LT	-	--	ON STRUCTURE PLANS
STH 22	268+25	RT	12	35	12'X18'
PROJECT 9180-22-71 TOTALS			109	316	

CONCRETE SIDEWALK 4-INCH

STATION	TO	STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF
286+76	-	286+94	MEDIAN	54
PROJECT 9180-22-71 TOTAL				54

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CONCRETE BARRIER TEMPORARY PRECAST

ROADWAY	STATION		OFFSET	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	REMARKS
STH 22	115+32	116+82	RT	150	150	STAGE 1
STH 22	115+32	116+82	LT	150	150	STAGE 2
STH 22	247+63	249+13	RT	150	150	STAGE 1
STH 22	247+63	249+13	LT	150	150	STAGE 2
PROJECT 9180-22-71 TOTALS			TOTAL	600	600	

WATER

LOCATION	624.0100 MGAL
BASE AGGREGATE DENSE 3/4-INCH	57
BASE AGGREGATE DENSE 1 1/4-INCH	562
TOTAL	619

FINISHING MATERIALS

ROADWAY	STATION	OFFSET	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL
STH 22	49+89 - 50+54	LT	100	45	0.1	1.8	2.7	--
	49+89 - 57+38	RT	663	663	0.4	11.9	17.9	--
	53+16 - 64+00	LT	1,718	1,070	1.1	30.9	46.4	--
	57+53 - 72+79	RT	1,868	1,221	1.2	33.6	50.4	--
	65+30 - 76+70	LT	1,931	1,692	1.2	34.8	52.1	--
	73+03 - 75+40	RT	412	221	0.3	7.4	11.1	--
	75+55 - 82+28	RT	1,086	513	0.7	19.5	29.3	--
	76+82 - 79+47	LT	464	464	0.3	8.3	12.5	--
	79+70 - 82+35	LT	454	393	0.3	8.2	12.3	--
	83+03 - 90+58	RT	962	861	0.6	17.3	26.0	--
	83+09 - 93+12	LT	1,418	1,061	0.9	25.5	38.3	--
	90+76 - 93+98	RT	302	302	0.2	5.4	8.2	--
	93+22 - 97+88	LT	272	272	0.2	4.9	7.3	--
	94+06 - 99+46	RT	342	342	0.2	6.2	9.2	--
	98+00 - 100+29	LT	144	144	0.1	2.6	3.9	--
	99+66 - 104+54	RT	380	380	0.2	6.8	10.3	--
	100+43 - 101+83	LT	105	105	0.1	1.9	2.8	--
	101+93 - 105+69	LT	519	519	0.3	9.3	14.0	--
	104+64 - 106+42	RT	274	274	0.2	4.9	7.4	--
	105+81 - 108+93	LT	566	566	0.4	10.2	15.3	--
	106+67 - 107+13	RT	105	105	0.1	1.9	2.8	--
	107+40 - 119+91	RT	2,818	2,284	1.8	50.7	76.1	--
	109+05 - 118+01	LT	2,020	1,609	1.3	36.4	54.5	45
	118+12 - 124+68	LT	872	872	0.5	15.7	23.6	--
	120+05 - 121+56	RT	377	250	0.2	6.8	10.2	--
	121+91 - 123+17	RT	205	205	0.1	3.7	5.5	--
	123+54 - 127+71	RT	664	664	0.4	12.0	17.9	--
	124+80 - 135+49	LT	795	795	0.5	14.3	21.5	--
	127+83 - 131+55	RT	264	264	0.2	4.7	7.1	--
	131+69 - 135+73	RT	276	276	0.2	5.0	7.5	--
	135+57 - 137+38	LT	129	129	0.1	2.3	3.5	--
	135+84 - 148+06	RT	1,485	1,306	0.9	26.7	40.1	--
	137+53 - 158+86	LT	1,479	1,479	0.9	26.6	39.9	--
	148+21 - 155+09	RT	780	780	0.5	14.0	21.1	--
	155+26 - 159+10	RT	439	439	0.3	7.9	11.9	--
	159+04 - 160+31	LT	362	266	0.2	6.5	9.8	--
	159+18 - 180+06	RT	3,335	3,091	2.1	60.0	90.0	--
	160+53 - 160+81	LT	50	50	--	0.9	1.3	--
	161+01 - 162+99	LT	614	451	0.4	11.1	16.6	--
	163+12 - 164+88	LT	539	404	0.3	9.7	14.6	--
	164+97 - 166+63	LT	619	491	0.4	11.1	16.7	--
	166+79 - 170+71	LT	1,019	809	0.6	18.3	27.5	--
	170+87 - 187+48	LT	1,273	1,273	0.8	22.9	34.4	--

FINISHING MATERIALS

ROADWAY	STATION	OFFSET	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL
	180+69 - 187+49	RT	714	714	0.5	12.9	19.3	--
	187+60 - 192+76	LT	323	323	0.2	5.8	8.7	--
	187+69 - 188+66	RT	98	98	0.1	1.8	2.6	--
	188+79 - 193+62	RT	423	423	0.3	7.6	11.4	--
	192+87 - 198+28	LT	327	327	0.2	5.9	8.8	--
	193+79 - 204+18	RT	844	805	0.5	15.2	22.8	--
	198+37 - 203+01	LT	290	290	0.2	5.2	7.8	--
	203+13 - 204+26	LT	82	82	0.1	1.5	2.2	--
	204+32 - 207+45	RT	450	171	0.3	8.1	12.1	--
	204+37 - 206+37	LT	122	122	0.1	2.2	3.3	--
	206+48 - 208+29	LT	167	167	0.1	3.0	4.5	--
	207+63 - 213+47	RT	1,074	897	0.7	19.3	29.0	--
	208+47 - 214+81	LT	1,031	1,031	0.6	18.6	27.8	--
	213+59 - 218+49	RT	753	753	0.5	13.6	20.3	--
	214+92 - 223+10	LT	1,049	830	0.7	18.9	28.3	--
	218+59 - 223+22	RT	645	645	0.4	11.6	17.4	--
	223+24 - 227+83	LT	399	288	0.3	7.2	10.8	--
	223+31 - 226+78	RT	180	180	0.1	3.2	4.9	--
	226+88 - 227+92	RT	126	126	0.1	2.3	3.4	--
	227+95 - 234+48	LT	838	678	0.5	15.1	22.6	--
	228+04 - 229+98	RT	341	269	0.2	6.1	9.2	--
	230+06 - 234+48	RT	802	450	0.5	14.4	21.7	--
	235+18 - 241+34	LT	1,053	685	0.7	18.9	28.4	--
	235+19 - 245+82	RT	1,998	1,724	1.3	36.0	54.0	--
	241+43 - 256+32	LT	2,864	2,334	1.8	51.6	77.3	--
	245+92 - 246+85	RT	254	254	0.2	4.6	6.9	--
	246+95 - 250+16	RT	1,086	870	0.7	19.5	29.3	54
	250+25 - 255+33	RT	700	700	0.4	12.6	18.9	--
	255+47 - 260+72	RT	615	615	0.4	11.1	16.6	--
	256+47 - 262+81	LT	443	443	0.3	8.0	12.0	--
	260+88 - 264+13	RT	342	65	0.2	6.1	9.2	--
	262+93 - 267+79	LT	900	900	0.6	16.2	24.3	--
	264+29 - 270+04	RT	1,100	956	0.7	19.8	29.7	--
	267+92 - 271+89	LT	274	274	0.2	4.9	7.4	--
	270+13 - 272+80	RT	231	231	0.1	4.2	6.2	--
	272+11 - 272+80	LT	65	65	--	1.2	1.7	--

FINISHING MATERIALS

ROADWAY	STATION	OFFSET	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL
CHESTNUT ROAD	60+69 - 62+72	LT	316	151	0.2	5.7	8.5	--
	63+07 - 63+99	LT	141	141	0.1	2.5	3.8	--
REA ROAD	65+53 - 66+04	LT	44	44	--	0.8	1.2	--
	66+23 - 67+34	LT	120	42	0.1	2.2	3.2	--
CTH I	18+00 - 19+59	LT	253	55	0.2	4.5	6.8	--
	18+00 - 19+60	RT	471	273	0.3	8.5	12.7	--
CTH I	20+40 - 21+28	LT	124	63	0.1	2.2	3.3	--
	20+41 - 22+20	RT	379	319	0.2	6.8	10.2	--
	21+45 - 22+40	LT	131	131	0.1	2.4	3.5	--
	22+30 - 22+39	RT	13	13	--	0.2	0.4	--
	22+60 - 22+80	LT	34	34	--	0.6	0.9	--
LARSON LANE	28+14 - 29+58	LT	225	153	0.1	4.1	6.1	--
	28+14 - 29+61	RT	166	119	0.1	3.0	4.5	--
YOUNGER ROAD	37+65 - 39+57	LT	271	209	0.2	4.9	7.3	--
	37+65 - 39+61	RT	333	275	0.2	6.0	9.0	--
	50+38 - 52+60	RT	306	248	0.2	5.5	8.3	--
	50+43 - 52+60	LT	290	234	0.2	5.2	7.8	--
SUBTOTALS			62,369	52,946	38.9	2,359.9	2,909.8	99
UNDISTRIBUTED			15,592	13,236	9.7	590.0	727.0	25
PROJECT 9180-22-71 TOTALS			77,961	66,182	48.6	2950	3637	124

EROSION CONTROL

LOCATION	STATION	TO	STATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2006 EROSION MAT URBAN CLASS I, TYPE A SY	628.2023 EROSION MAT CLASS II, TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EA	628.1905 MOBILIZATIONS EROSION CONTROL EA	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EA	628.7015 INLET PROTECTION TYPE C EA	628.7570 ROCK BAGS EA	630.0300 SEEDING BORROW PIT LB
PROJECT WIDE	50+00	-	272+80	-	-	-	-	-	-	9	4	-	-	-
STH 22	50+00	-	64+00	-	-	703	538	96	7	-	-	-	-	-
STH 22	64+00	-	79+00	-	-	238	594	72	7	-	-	-	-	-
STH 22	79+00	-	92+00	530	530	61	738	36	5	-	-	-	30	-
STH 22	92+00	-	106+00	-	-	-	-	-	9	-	-	-		-
STH 22	106+00	-	120+00	970	970	530	415	156	4	-	-	-	55	-
										-	-	-		
STH 22	120+00	-	134+00	-	-	127	-	-	5	-	-	-	-	-
STH 22	134+00	-	148+00	190	190	-	178	144	5	-	-	-	10	-
STH 22	148+00	-	162+00	-	-	181	-	96	8	-	-	-	-	-
STH 22	162+00	-	176+00	690	690	550	-	132	10	-	-	-	30	-
STH 22	176+00	-	190+00	1530	1530	-	244	84	4	-	-	-	60	-
										-	-	-		
STH 22	190+00	-	204+00	-	-	24	-	96	6	-	-	-	-	-
STH 22	204+00	-	218+00	-	-	293	178	24	4	-	-	-	-	-
STH 22	218+00	-	232+00	-	-	331	235	96	8	-	-	-	-	-
STH 22	232+00	-	246+00	-	-	-	1,170	156	10	-	-	-	-	-
STH 22	246+00	-	260+00	470	470	-	569	144	5	-	-	-	30	-
										-	-	-		
STH 22	260+00	-	272+80	200	200	420	-	72	7	-	-	-	15	-
WEST OF RAILROAD	285+96			-	-	-	-	-	-	-	-	1	-	-
BORROW PIT				-	-	-	-	-	-	-	-	-	-	100
CHESTNUT ROAD	60+73	-	62+55	-	-	164	-	-	-	-	-	-	-	-
REA ROAD	66+23	-	67+34	-	-	78	-	-	2	-	-	-	-	-
CTH I	20+24	-	22+50	-	-	60	60	-	-	-	-	-	-	-
CTH I	18+00	-	19+76	-	-	-	396	-	-	-	-	-	-	-
LARSON LANE	28+00	-	29+76	150	150	-	119	-	-	-	-	-	-	-
YOUNGER ROAD	37+65	-	39+76	-	-	-	120	-	-	-	-	-	-	-
YOUNGER ROAD	50+24	-	52+60	-	-	-	114	-	-	-	-	-	-	-
SUBTOTALS				4,730	4,730	3,763	5,666	1,404	106	-	-	-	230	-
UNDISTRIBUTED				1,183	1,183	941	1,416	351	27	-	-	-		-
PROJECT 9180-22-71 TOTALS				5,913	5,913	4,703	7,082	1,755	133	9	4	1	230	100

TRAFFIC CONTROL

LOCATION	APPROXIMATE SERVICE PERIOD DAYS	643.0300 DRUMS NO. IN SERVICE	643.0300 DRUMS DAYS	643.0420* BARRICADES TYPE III NO. IN SERVICE	643.0420* BARRICADES TYPE III DAYS	643.0705* WARNING LIGHTS TYPE A NO. IN SERVICE	643.0705* WARNING LIGHTS TYPE A DAYS	643.0900 SIGNS NO. IN SERVICE	643.0900 SIGNS DAYS
STH 22	15	10	150	26	390	52	780	-	-
STH 22	40	40	800	22	880	44	1760	-	-
CHESTNUT ROAD	15	-	-	2	30	4	60	2	30
REA ROAD	15	-	-	2	30	4	60	2	30
CTH I	15	-	-	2	30	4	60	2	30
CTH I	15	-	-	2	30	4	60	2	30
LARSON LANE	40	-	-	2	80	4	160	1	40
YOUNGER ROAD	40	-	-	4	160	4	160	2	80
SUBTOTALS	-	-	950	-	1630	-	3100	-	240
UNDISTRIBUTED	-	-	525	-	408	-	775	-	60
PROJECT 9180-22-71 TOTALS			1475		2038		3875		300

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PAVEMENT MARKING

ROADWAY	STATION	646.0106* PAVEMENT MARKING EPOXY 4-INCH SOLID YELLOW LF	646.0106* PAVEMENT MARKING EPOXY 4-INCH 12.5 FT SKIPS YELLOW LF	646.0106* PAVEMENT MARKING EPOXY 4-INCH SOLID WHITE LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH WHITE LF	647.01100 PAVEMENT MARKING RAILROAD CROSSINGS EPOXY EACH
STH 22	50+00 - 272+80	--	--	--	--	--
STH 22	50+00 - 82+00	7,844	931	6,214	700	--
STH 22	82+00 - 126+00	--	2,200	8,500	--	--
STH 22	126+00 - 181+00	2,600	2,750	10,865	200	--
STH 22	181+00 - 235+50	--	2,725	10,620	350	--
STH 22	235+50 - 272+80	4,840	1,775	7,460	350	--
STH 22, RAILROAD	285+98 - 286+94	162	--	162	--	3
CTH I	18+00 - 19+27	120	30	240	--	--
CTH I	20+73 - 22+00	180	45	360	--	--
SUBTOTALS		15,746	10,456	44,421	1,600	3
PROJECT 9180-22-71 TOTALS			70,623		1,600	3

*STH 22 CENTERLINE REQUIRES 2 APPLICATIONS, ONE PRIOR TO RUMBLE STRIP APPLICATION, ONE AFTER RUMBLE STRIP APPLICATION

CONSTRUCTION STAKING

ROADWAY	STATION	650.5000 BASE LF	650.8000 RESURFACING REFERENCE LF	650.9920 SLOPE STAKES LF
STH 22	50+00 - 272+80	--	22,280	22,280
STH 22	50+00 - 68+00	1,800	--	--
STH 22	82+00 - 106+50	2,450	--	--
STH 22	125+00 - 162+50	3,750	--	--
STH 22	176+50 - 216+00	3,950	--	--
STH 22	229+40 - 240+20	1,080	--	--
STH 22	248+00 - 272+80	2,480	--	--
CHESTNUT ROAD	62+72 - 63+07	35	--	35
REA ROAD	65+53 - 66+00	47	--	47
CTH I	20+00 - 22+50	250	--	250
CTH I	18+00 - 20+00	200	--	200
LARSON LANE	28+00 - 30+00	200	--	200
YOUNGER ROAD 'SOUTH'	37+65 - 40+00	235	--	235
YOUNGER ROAD 'NORTH'	50+00 - 52+60	260	--	260
PROJECT 9180-22-71 TOTALS		16,737	22,280	23,507

CONSTRUCTION STAKING PIPE CULVERTS

ROADWAY	STATION	OFFSET	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EA
STH 22	52+75	RT/LT	1
STH 22	83+22	RT/LT	1
STH 22	175+04	RT/LT	1
STH 22	196+58	RT/LT	1
STH 22	239+82	RT/LT	1
STH 22	268+25	RT/LT	1
LARSON LANE	29+56	RT/LT	1
YOUNGER ROAD	39+56	RT/LT	1
YOUNGER ROAD	50+43	RT/LT	1
PROJECT 9180-22-71 TOTAL			9

CONSTRUCTION STAKING CURB & GUTTER

ROADWAY	STATION	OFFSET	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
STH 22	121+22 - 121+57	RT	43
STH 22	121+90 - 123+18	RT	152
STH 22	123+52 - 123+88	RT	55
STH 22	203+80 - 204+19	RT	54
STH 22	204+31 - 207+46	RT	341
STH 22	207+62 - 207+88	RT	36
STH 22	220+58 - 223+11	LT	265
STH 22	223+23 - 224+64	LT	152
STH 22	260+45 - 260+73	RT	43
STH 22	260+87 - 264+15	RT	354
STH 22	264+28 - 267+00	RT	282
RAILROAD CROSSING			352
CTH I	19+25 - 19+73	LT	76
CTH I	19+27 - 19+75	RT	75
CTH I	20+25 - 20+73	LT	75
CTH I	20+27 - 20+75	RT	76
LARSON LANE	29+18 - 29+76	LT	89
LARSON LANE	29+34 - 29+72	RT	61
YOUNGER ROAD	39+23 - 39+71	LT	78
YOUNGER ROAD	39+29 - 39+77	RT	73
YOUNGER ROAD	50+23 - 50+70	RT	73
YOUNGER ROAD	50+29 - 50+77	LT	78
PROJECT 9180-22-71 TOTAL			2,883

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CONSTRUCTION STAKING STRUCTURE LAYOUT

ROADWAY	STATION	STRUCTURE	650.6500 CONSTRUCTION STAKING STRUCTURE LAYOUT LS
STH 22	116+07	C-42-108	1
STH 22	248+38	C-42-109	1
PROJECT 9180-22-71 TOTAL			2

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

LOCATION	650.6500 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS
PROJECT 9180-22-71	1
PROJECT 9180-22-71 TOTAL	1

SAWING ASPHALT

ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	690.0150 SAWING ASPHALT LF
STH 22	49+25	23.8' LT	49+25	17.0' RT	41
STH 22	50+53	43.9' LT	50+87	37.9' LT	35
STH 22	90+58	41.4' RT	90+76	41.6' RT	18
STH 22	100+29	39.6' LT	100+43	39.5' LT	14
STH 22	105+69	40.5' LT	105+81	40.3' LT	12
STH 22	108+93	46.2' LT	109+05	46.1' LT	12
STH 22	121+59	34.4' RT	123+58	41.5' RT	240
STH 22	155+06	40.9' RT	155+26	41.0' RT	17
STH 22	192+76	44.9' LT	192+87	44.8' LT	11
STH 22	193+62	42.6' RT	193+79	42.7' RT	17
STH 22	226+78	38.2' RT	226+88	32.3' RT	10
STH 22	229+98	53.6' RT	230+07	52.7' RT	9
STH 22	256+32	43.3 LT	256+47	43.0' LT	15
STH 22	260+75	40.5' RT	260+85	40.7' RT	10
STH 22	272+80	17.0' RT	272+80	17' LT	34
CHESTNUT ROAD	62+72	25.3' LT	63.07	26.1' LT	34
CHESTNUT ROAD	64+00	12.0' RT	64+00	12.0' LT	24
REA ROAD	65+53	10.0' RT	65+53	10.0' LT	20
REA ROAD	66+04	31.6' LT	66+23	31.5' LT	19
REA ROAD	67+34	27.7' LT	67+59	27.7' LT	25
CTH I	18+00	11.8' RT	18+00	12.7' LT	24
CTH I	22+40	30.5' LT	22+60	31.0' LT	20
CTH I	22+50	10.9' RT	22+50	11.1' LT	22
LARSON LANE	28+00	9.0' RT	28+00	9.0' LT	18
YOUNGER ROAD	37+65	11.0' RT	37+65	9.0' LT	20
YOUNGER ROAD	52+60	9.3' RT	52+60	8.7' LT	18
PROJECT 9180-22-71 TOTAL					739

SAWING CONCRETE

LOCATION	STATION	690.0250 SAWING CONCRETE LF	REMARKS
STH 22	52+75	44	NEW CULVERT PIPE
STH 22	83+22	44	NEW CULVERT PIPE
STH 22	116+07	44	NEW BOX CULVERT
STH 22	174+14	22	FROST HEAVE
STH 22	175+98	22	FROST HEAVE
STH 22	196+58	44	NEW CULVERT PIPE
STH 22	239+82	44	NEW CULVERT PIPE
STH 22	248+38	44	NEW BOX CULVERT
STH 22	285+98	42	RAILROAD PAVEMENT
STH 22	286+94	60	RAILROAD PAVEMENT
PROJECT 9180-22-71 TOTAL		366	

TEMPORARY WATER DIVERSION

ROADWAY	STATION	SPV.0105.01 TEMPORARY WATER DIVERSION - C-42-108 LS	SPV.0105.02 TEMPORARY WATER DIVERSION - C-42-109 LS
STH 22	110+07	1	
STH 22	248+38		1
PROJECT 9180-22-71 TOTAL		1	1

TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 15 DAYS	643.3000 DETOUR 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
	STAGE 1												
1	1000' S OF SIGN # 2	W20-2-A	48" X 48"	1	15	15							
	"	M3-4	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
1A	ACROSS FROM SIGN # 1 (MEDIAN SIDE)	W20-2-A	48" X 48"	1	15	15							
	"	M3-4	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
2	TYPE 1 (22-OCONTO-GILLETT-EXIT 1 MILE)									1	1		'Gillett'
3	1000' S OF TYPE 1 (22-OCONTO-GILLETT- TILT RIGHT)	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
	"	MO6-1	30" X 30"	1	15	15							AHEAD
3A	ACROSS FROM SIGN # 3 (MEDIAN SIDE)	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
	"	MO6-1	30" X 30"	1	15	15							AHEAD
4	TYPE 1 (22-OCONTO-GILLETT- TILT RIGHT)									1	1		'Gillett'
5	250' N OF SE RAMP GORE	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
5A	ACROSS FROM SIGN # 5 (MEDIAN SIDE)	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
6	NW QUAD OF NE RAMP & STH 22 INTERSECTION	R11-4	60" X 30"	1	15	15	15	30					
7	ACROSS FOR NO-PASSING PENNANT	W20-2-A	48" X 48"	1	15	15							
8	MODIFY J J-3 (S-141-AH; S-22-AH; N-141-AH RT)	MO4-8	24" X 12"	1	15	15							
	"	M3-3	EXISTING										
	"	M1-6	EXISTING										
	"	MO5-1-R	21" X 21"	1	15	15							
9	D1-3 (AH - OCONTO FALLS/GREEN BAY, CRIVITZ - RT)									1		1	'OCONTO FALLS'
10	RT OF J2-1 (N-141-RT)	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							RIGHT
	PAGE SUBTOTALS					420	15	30	0		2	1	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 15 DAYS	643.3000 DETOUR 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
11	J2-2 (S-141-AH RT; S-22-AH)									1		1	'S-22-AH'
12	D1-2 (AH - OCONTO FALLS, GREEN BAY - LT)									1		1	'OCONTO FALLS'
13	NW QUAD OF NW RAMP & STH 22 INTERSECTION	R11-4	60" X 30"	1	15	15	15	30					
14	J1-1 (S-22)									1		1	'S-22'
15	J2-2 (N-22-LT; S-22-RT)									1		1	'S-22-RT'
16	D1-3 (LT - OCONTO/OCONTO FALLS, GILLETT - RT)									1		1	'OCONTO FALLS/GILLETT'
17	TYPE 1 (22-OCONTO-GILLETT- TILT RIGHT)									1	1		'GILLETT'
18	TYPE 1 (22-OCONTO-GILLETT-EXIT 1 MILE)									1	1		'GILLETT'
19	500' N OF LE MERE ROAD	MO4-8-A	30" X 24"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
20	250' N OF NE RAMP & STH 22 INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
21	1000' S OF SIGN # 23	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
	"	MO5-2-R	30" X 30"	1	15	15							
22	ACROSS FROM SIGN # 21 (MEDIAN SIDE)	M4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
	"	MO5-2-R	30" X 30"	1	15	15							
23	LT OF TYPE 1 (A-LENA- TILT RT)	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
	"	MO6-2	30" X 30"	1	15	15							RIGHT
24	ACROSS FROM STOP AHEAD SIGN	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO5-1-L	21" X 21"	1	15	15							
25	BACK SIDE OF DO NOT ENTER SIGN	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							LEFT
	PAGE SUBTOTALS					390	15	30	0		2	5	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

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TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 15 DAYS	643.3000 DETOUR 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
26	BEHIND GUARD RAIL EAST OF CTH A OVERPASS (NORTH SIDE)	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
27	1500' N OF SIGN # 29	W20-2-A	48" X 48"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							
27A	ACROSS FROM SIGN # 27 (MEDIAN SIDE)	W20-2-A	48" X 48"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							
28	1000' N OF SIGN # 29	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
	"	MO5-2-R	30" X 30"	1	15	15							
28A	ACROSS FROM SIGN # 28 (MEDIAN SIDE)	MO4-8	36" X 18"	1	15	15							
	"	M3-3	36" X 18"	1	15	15							
	"	M1-6	36" X 36"	1	15	15							22
	"	MO5-2-R	30" X 30"	1	15	15							
29	LT OF TYPE 1 (A-LENA- TILT RT)	MO4-8	36" X 18"	1	15	15							
		M3-3	36" X 18"	1	15	15							
		M1-6	36" X 36"	1	15	15							
		MO6-2	30" X 30"	1	15	15							RIGHT
30	250' S OF STOP AHEAD SIGN	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO5-1-R	21" X 21"	1	15	15							
31	LT OF J2-2 (E-A-LT; W-A-RT)	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							RIGHT
32	LT OF LENA POPULATION SIGN	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
33	250' S OF SW RAMP & CTH A INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	PAGE SUBTOTALS					525	0	0	0		0	0	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

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TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 15 DAYS	643.3000 DETOUR 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
34	RT OF J3-1 (S-141-RT)	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							RIGHT
35	LT OF J2-3 (N-141-AH; E-A-AH; S-141-AH RT)	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO5-1-R	21" X 21"	1	15	15							
36	2ND LIGHT POLE E OF CTH A & ROSERA ST. INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
37	250' E OF OF CTH A & ROSERA ST. INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							AHEAD
38	2ND LIGHT POLE W OF CTH A & ROSERA ST. INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
39	LIGHT POLE W OF CTH A ROSERA ST. INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							AHEAD
40	200' W OF CTH A & SUNSHINE RD.	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
41	200' E OF CTH A & SUNSHINE RD.	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
42	200' W OF CTH A & FIRESIDE RD.	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
43	200' E OF CTH A & FIRESIDE RD.	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	PAGE SUBTOTALS					510	0	0	0		0	0	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

3

TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 15 DAYS	643.3000 DETOUR 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
44	LT OF J1-1 (JCT B)	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO5-1-L	21" X 21"	1	15	15							
45	300' E OF CTH A & CTH B INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							LEFT
46	RT OF STOP SIGN (SE QUAD)	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							LEFT
47	100' E OF CTH A & CTH B INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
48	200' S OF CTH B & CTH A INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
49	RT OF STOP SIGN	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO6-1	21" X 21"	1	15	15							RIGHT
50	LT OF J1-1 (JCT A)	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO5-1-R	21" X 21"	1	15	15							
51	200' N OF CTH B & BEAVER LAKE RD	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
52	200' S OF CTH B & BEAVER LAKE RD	MO4-8	24" X 12"	1	15	15							
	"	M3-3	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	PAGE SUBTOTALS					480	0	0	0		0	0	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

3

TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 15 DAYS	643.3000 DETOUR 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
53	MODIFY J1-2 (JCT 22; END B)	MO4-8-A	24" X 18"	1	15	15							
		M1-6	EXISTING										
54	M1-6 (ABOVE NIGHT ARROW)									1		1	
55	RT OF NIGHT ARROW	M1-6	24" X 24"	1	15	15							
		MO6-1	21" X 21"	1	15	15							RIGHT
56	500' W OF REDUCED SPEED AHEAD - 45 MPH	W20-2-A	48" X 48"	1	15	15							
57	RT OF J1-1 (JCT B)	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
	"	MO5-1-L	21" X 21"	1	15	15							
58	LT OF J2-1 (B-LT)	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
		MO6-1	21" X 21"	1	15	15							LEFT
59	SE Quad OF STH 22 & CTH B INTERSECTION	R11-3	60" X 30"	1	15	15							3 MILES
60	250' N OF CTH B & STH 22 INTERSECTION	MO4-8	24" X 12"	1	15	15							
	"	M3-1	24" X 12"	1	15	15							
	"	M1-6	24" X 24"	1	15	15							22
61	STH 22, PLACE JUST NORTH OF HIGHLAND AVE	PCMS							7				
62	STH 22, PLACE EAST OF CTH I	PCMS							7				
	PAGE SUBTOTALS					240	0	0	14		0	1	
	STAGE 1 TOTALS					**2,565**	**30**	**60**	**14**		**4**	**7**	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 40 DAYS	643.3000 DETOUR 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
	STAGE 2												
1	US 141, 1000' S OF SIGN # 3 (MEDIAN SIDE)	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 18"	1	40	40							
	"	WO 20-2A	48" X 48"	1	40	40							22
2	US 141, ACROSS FROM SIGN # 1 (RIGHT SIDE)	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 18"	1	40	40							
	"	WO 20-2A	48" X 48"	1	40	40							22
3	US 141, TYPE 1 (22-OCONTO-GILLETT-EXIT 1 MILE)												COVER 'Gillett' LEAVE COVER UP FROM STAGE 1
4	US 141, 1000' S OF TYPE 1 (22-OCONTO-GILLETT- TILT RIGHT)	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
	"	MO 6-1	30" X 30"	1	40	40							AHEAD
5	US 141, ACROSS FROM SIGN #4 (RIGHT SIDE)	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
	"	MO 6-1	30" X 30"	1	40	40							AHEAD
6	US 141, TYPE 1 (22-OCONTO-GILLETT- TILT RIGHT)												COVER 'Gillett' LEAVE COVER UP FROM STAGE 1
7	US 141, 250' N OF SE RAMP GORE	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
8	US 141, ACROSS FROM SIGN # 5 (RIGHT SIDE)	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
9	STH 22, NW QUAD OF NE RAMP & STH 22 INTERSECTION	R 11-4	60" X 30"	1	40	40	40	80					
10	STH 22, ACROSS FOR NO-PASSING PENNANT	WO 20-2-A	48" X 48"	1	40	40							
11	STH 22, MODIFY J J-3 (S-141-AH; S-22-AH; N-141-AH RT)	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	EXISTING										
	"	M 1-6	EXISTING										
	"	MO 5-1-R	21" X 21"	1	40	40							
12	STH 22, D1-3 (AH - OCONTO FALLS/GREEN BAY, CRIVITZ - RT)												COVER 'OCONTO FALLS' LEAVE COVER UP FROM STAGE 1
13	STH 22, RT OF J2-1 (N-141-RT)	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							RIGHT
	PAGE SUBTOTALS					1,120	40	80	0		0	0	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 40 DAYS	643.3000 DETOUR 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
14	US 141, J2-2 (S-141-AH RT; S-22-AH)												'S-22-AH' LEAVE COVER UP FROM STAGE 1
15	STH 22, D1-2 (AH - OCONTO FALLS, GREEN BAY - LT)												'OCONTO FALLS' LEAVE COVER UP FROM STAGE 1
16	STH 22, NW QUAD OF NW RAMP & STH 22 INTERSECTION	R11-4	60" X 30"	1	40	40	40	80					
17	STH 22, COVER J1-1 (S-22)												'S-22' LEAVE COVER UP FROM STAGE 1
18	US 141, COVER J2-2 AS SHOWN (N-22-LT; S-22-RT)												'S-22-RT' LEAVE COVER UP FROM STAGE 1
19	US 141, COVER D1-3 (LT - OCONTO/OCONTO FALLS, GILLETT - RT)												'OCONTO FALLS/GILLETT' LEAVE COVER UP FROM STAGE 1
20	US 141, TYPE 1 (22-OCONTO-GILLETT- TILT RIGHT)												'GILLETT' LEAVE COVER UP FROM STAGE 1
21	US 141, TYPE 1 (22-OCONTO-GILLETT-EXIT 1 MILE)												'GILLETT' LEAVE COVER UP FROM STAGE 1
22	US 141, 500' N OF LE MERE ROAD	MO 4-8-A	30" X 24"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
23	STH 22, 250' N OF NE RAMP & STH 22 INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
24	US 141, 1000' S OF SIGN #26	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
	"	MO 5-2R	30" X 30"	1	40	40							
25	US 141, ACROSS FROM SIGN #24 (RIGHT SIDE)	M 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
	"	MO 5-2R	30" X 30"	1	40	40							
26	US 141, LT OF TYPE 1 (A-LENA- TILT RT)	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
	"	MO 6-2	30" X 30"	1	40	40							RIGHT
27	US 141 TO CTH A RAMP, ACROSS FROM STOP AHEAD SIGN	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 5-1L	21" X 21"	1	40	40							
28	US 141 TO CTH A RAMP, BACK SIDE OF DO NOT ENTER SIGN	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							LEFT
	PAGE SUBTOTALS					1,040	40	80	0		0	0	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

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TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 40 DAYS	643.3000 DETOUR 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
29	CTH A, BEHIND GUARD RAIL EAST OF CTH A OVERPASS (NORTH SIDE)	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
30	US 141, 1500' N. OF SIGN # 29	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 18"	1	40	40							
	"	WO 20-2A	48" X 48"	1	40	40							
31	US 141, ACROSS FROM SIGN #30 (MEDIAN SIDE)	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 18"	1	40	40							
	"	WO 20-2A	48" X 48"	1	40	40							
32	US 141, 1000' N. OF SIGN # 29	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
	"	MO 5-2R	30" X 30"	1	40	40							
33	US 141, ACROSS FROM SIGN # 32 (MEDIAN SIDE)	MO 4-8	36" X 18"	1	40	40							
	"	M 3-3	36" X 18"	1	40	40							
	"	M 1-6	36" X 36"	1	40	40							22
	"	MO 5-2R	30" X 30"	1	40	40							
34	US 141, LT OF TYPE 1 (A-LENA- TILT RT)	MO 4-8	36" X 18"	1	40	40							
		M 3-3	36" X 18"	1	40	40							
		M 1-6	36" X 36"	1	40	40							
		MO 6-2	30" X 30"	1	40	40							RIGHT
35	US 141 TO CTH A RAMP, 250' S. OF STOP AHEAD SIGN	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 5-1-R	21" X 21"	1	40	40							
36	US 141 TO CTH A RAMP, LT OF J2-2 (E-A-LT; W-A-RT)	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							RIGHT
37	CTH A, LT OF LENA POPULATION SIGN	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
38	US 141 RAMP, 250' S. OF SW RAMP & CTH A INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	PAGE SUBTOTALS					1,400	0	0	0		0	0	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

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TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 40 DAYS	643.3000 DETOUR 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	CTH A, RT OF J3-1 (S-141-RT)	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							RIGHT
40	CTH A, LT OF J2-3 (N-141-AH; E-A-AH; S-141-AH RT)	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 5-1R	21" X 21"	1	40	40							
41	CTH A, 2ND LIGHT POLE E. OF CTH A & ROSERA ST. INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
42	CTH A, 250' E. OF OF CTH A & ROSERA ST. INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							AHEAD
43	CTH A, 2ND LIGHT POLE W. OF CTH A & ROSERA ST. INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
44	CTH A, LIGHT POLE W. OF CTH A ROSERA ST. INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							AHEAD
45	CTH A, 200' W. OF CTH A & SUNSHINE RD.	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
46	CTH A, 200' E. OF CTH A & SUNSHINE RD.	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
47	CTH A, 500' E. OF CTH I	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 5-1L	21" X 21"	1	40	40							
48	CTH A, 100' E OF CTH I	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							LEFT
	PAGE SUBTOTALS					1,440	0	0	0		0	0	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

PLAN SHEET PRODUCED

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TRAFFIC CONTROL DETOUR SIGNS AND COVERING SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 40 DAYS	643.3000 DETOUR 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
49	CTH A, 100' E. OF CTH I	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
50	CTH I, PLACE RIGHT OF STOP SIGN @ CTH A INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							RIGHT
51	CTH I, 500' PRIOR TO CTH A INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 5-1R	21" X 21"	1	40	40							
52	CTH I, PLACE 50' N. OF BEAVER LAKE RD	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
53	CTH I, PLACE 50' S. OF BEAVER LAKE RD	MO 4-8	24" X 12"	1	40	40							
	"	M 3-3	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
54	CTH I, MODIFY EXISTING J1-1 AS SHOWN	MO 4-8A	24" X 18"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
55	CTH I, MOUNT 100' N OF STH 22	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
56	STH 22, PLACE AT CTH I INTERSECTION IN MIDDLE OF ROADWAY	R 11-4	60" X 30"	1	40	40	40	80					
	"	MO 4-9L	30" X 24"	1	40	40							
57	STH 22, PLACE AT CTH I INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 6-1	21" X 21"	1	40	40							LEFT
58	STH 22, PLACE 500' PRIOR TO CTH I INTERSECTION	MO 4-8	24" X 12"	1	40	40							
	"	M 3-1	24" X 12"	1	40	40							
	"	M 1-6	24" X 24"	1	40	40							22
	"	MO 5-1L	21" X 21"	1	40	40							
59	STH 22, PLACE 1500' PRIOR TO CTH I INTERSECTION	W0 20-2A	48" X 48"	1	40	40							
60	STH 22, PLACE EAST OF CTH I	PCMS							7				
61	STH 22, PLACE JUST EAST OF DUAME RD	PCMS							7				
	PAGE SUBTOTALS					1,320	40	80	14		0	0	
	STAGE 2 TOTALS					**6,320**	**120**	**240**	**14**		**0**	**0**	

*ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

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BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4X6X12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	HIGHLAND DR.	R1-1	36" X 36"	7.46	---	---	1	---	1	1	
2	"	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
2A	"	R5-2	24" X 24"	4.00	---	1	---	---	---	---	PART OF REMOVAL AND CURRENTLY MOUNTED ON BACK OF SIGN #2
3	STH 22, N. OF HIGHLAND DR.	R2-1	24" X 30"	5.00	---	---	1	---	1	1	45 MPH
4	"	I2-3	78" X 24"	13.00	---	---	1	1	1	2	OCONTO FALLS POPULATION 2843, SEE SIGN DETAIL
5	"	J4-1	24" X 36"	6.00	---	---	1	---	1	1	STH 22, SEE PLAN SHEET
5A	"	D2-1	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #5
6	"	W1-6	48" X 24"	---	8.00	---	1	---	1	1	
7	"	D2-1	66" X 15"	6.88	---	---	2	---	1	1	OCONTO 13, SEE SIGN DETAIL
8	CHESTNUT RD	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
9	STH 22, S. OF REA RD.	R2-1	24" X 30"	5.00	---	---	1	---	1	1	45 MPH
10	"	I55-56	---	---	---	---	1	---	1	1	ONLY LEAVE NEW WOOD POST FOR FUTURE GROUP
11	REA RD.	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
12	"	W1-6	48" X 24"	---	8.00	---	1	---	1	1	
13	STH 22, E. OF REA RD.	R2-1	24" X 30"	5.00	---	---	1	---	1	1	45 MPH
14	"	R2-1	24" X 30"	5.00	---	---	1	---	1	1	55 MPH
15	"	J1-1	24" X 39"	6.50	---	---	1	---	1	1	CTH I, SEE PLAN SHEET
16	"	W3-5	36" X 36"	---	9.00	---	1	---	1	1	45 MPH
16A	"	J4-1	24" X 36"	6.00	---	---	1	---	---	---	
17	"	W14-3	48" X 36"	---	6.00	---	1	---	1	1	
18	STH 22, W. OF CTH I/FIRESIDE RD.	J12-1	24" X 45"	7.50	---	---	---	1	1	1	CTH I, SEE PLAN SHEET
19	FIRESIDE RD.	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
19A	"	J13-1	24" X 45"	7.50	---	---	---	1	---	---	
20	CTH I	R1-1	36" X 36"	7.46	---	---	1	---	1	1	
20A	"	R1-1	36" X 36"	7.46	---	---	1	---	1	1	
21	STH 22, E. OF CTH I/FIRESIDE RD.	J12-2	48" X 45"	15.00	---	---	---	1	1	1	CTH I, HOSPITAL, SEE PLAN SHEET
21A	FIRESIDE RD.	R1-1	36" X 36"	7.46	---	---	1	---	1	1	
22	CTH I	J13-1	24" X 45"	7.50	---	---	---	1	1	1	STH 22, SEE PLAN SHEET
22A	STH 22, E. OF CTH I/FIRESIDE RD.	J4-1	24" X 36"	6.00	---	---	1	---	1	1	NORTH 22
23	"	J1-1	24" X 39"	6.50	---	---	1	---	1	1	CTH I, SEE PLAN SHEET
23A	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	45 MPH
24	"	R7-1L	18" X 24"	3.00	---	1	---	---	1	1	
25	"	R7-1R	18" X 24"	3.00	---	1	---	---	1	1	
26	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
27	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
28	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
29	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
30	"	W14-3	48" X 36"	---	6.00	---	1	---	1	1	
31	VACANT	---	---	---	---	---	---	---	---	---	
32	STH 22, E. OF CTH I/FIRESIDE RD.	R7-1L	18" X 24"	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #30, PART OF REMOVAL FOR SIGN #30
33	"	R7-1R	18" X 24"	3.00	---	1	---	---	1	1	
34	STH 22, W. OF LARSON LANE	W14-3	48" X 36"	---	6.00	---	1	---	1	1	
35	"	W11-3	---	---	---	---	---	---	1	1	REMOVE W57-51 ALSO
	PAGE SUBTOTALS			191.94	43.00	8	28	5	36	37	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4X6X12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
36	STH 22, W. OF LARSON LANE	I55-56	---	---	---	---	1	---	1	1	ONLY LEAVE NEW WOOD POST FOR FUTURE GROUP
37	LARSON LANE	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
38	STH 22, E. OF LARSON LANE	I55-56	30" X 36"	7.50	---	---	1	---	1	1	MOO CLUB WASHINGTON SCHOOL OCONTO FALLS, SEE PLAN SHEET
39	STH 22, W. OF YOUNGER RD.	R7-1R	18" X 24"	3.00	---	1	---	---	1	1	
40	"	R7-1L	18" X 24"	3.00	---	1	---	---	1	1	
41	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
42	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
43	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
44	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
45	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
46	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
47	"	R7-1D	18" X 24"	3.00	---	1	---	---	1	1	
48	"	R7-1L	18" X 24"	3.00	---	1	---	---	1	1	
49	"	R7-1R	18" X 24"	3.00	---	1	---	---	1	1	
50	YOUNGER RD.	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
51	"	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
52	STH 22, E. OF YOUNGER RD.	W14-3	48" X 36"	---	6.00	---	1	---	1	1	
53	"	I2-3	---	---	---	---	---	---	1	2	
54	STH 22, W. OF PIONEER PARK RD.	D2-3	90" X 36"	22.50	---	---	1	1	1	2	SEE SIGN DETAIL SHEET
55	"	W6-1	36" X 36"	---	9.00	---	---	1	1	1	
56	"	W14-3	48" X 36"	---	6.00	---	1	---	1	1	
57	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	55 MPH, MOUNT ON BACK OF SIGN #56, PART OF REMOVAL FOR SIGN #56
58	VACANT	---	---	---	---	---	---	---	---	---	
58A	STH 22, W. OF PIONEER PARK RD.	W11-3	---	---	---	---	---	---	1	1	REMOVE W57-51 ALSO
59	"	R5-1	36" X 36"	9.00	---	---	1	---	1	1	
60	"	W6-3	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #59
61	"	W10-1	36" X 36"	---	7.07	---	1	---	1	1	
62	"	R4-7	36" X 48"	12.00	---	---	---	1	1	1	
63	"	R5-1A	36" X 24"	6.00	---	---	1	---	1	1	
63A	"	W6-3	36" X 36"	---	9.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #63
64	"	R4-7	24" X 30"	5.00	---	---	---	---	1	1	
65	"	R4-7	24" X 30"	5.00	---	---	1	---	1	1	
66	"	R5-1	30" X 30"	6.25	---	---	1	---	1	1	
67	"	I55-56	30" X 36"	7.50	---	---	---	---	1		MOUNT ON BACK OF SIGN #66, SEE PLAN SHEET
68	"	R6-2R	24" X 30"	5.00	---	---	1	---	1	1	
69	"	J1-1	24" X 39"	6.50	---	---	1	---	1	1	USH 141, SEE PLAN SHEET
70	"	R5-1	30" X 30"	6.25	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #69, PART OF REMOVAL FOR SIGN #69
71	"	R4-7	24" X 30"	5.00	---	---	1	---	1	1	
72	"	R5-1	30" X 30"	6.25	---	---	1	---	1	1	
73	"	W6-1	36" X 36"	---	9.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #72, PART OF REMOVAL FOR SIGN #72
	PAGE SUBTOTALS			163.29	46.07	11	17	3	34	35	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4X6X12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
74	STH 22, W. OF PIONEER PARK RD.	W10-1	36" X 36"	---	7.07	---	1	---	1	1	
75	PIONEER PARK RD.	R6-2L	---	---	---	---	---	---	1	1	
76	"	R6-2R	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #75
77	"	R1-1	30" X 30"	5.18	---	---	---	1	1	1	
77A	"	R6-3	30" X 24"	5.00	---	---	---	---	---	---	MOUNT BELOW SIGN #77, PART OF REMOVAL FOR SIGN #77
77B	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ABOVE SIGN #77
77C	"	R6-1L	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #77B
78	STH 22, W. OF PIONEER PARK RD.	D4-5R	36" X 48"	12.00	---	---	---	1	1	1	
78A	"	R4-7	24" X 30"	5.00	---	---	1	---	1	1	
79	"	R5-1	30" X 30"	6.25	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #78, PART OF REMOVAL FOR SIGN #78
80	PIONEER PARK RD.	R4-7	24" X 30"	5.00	---	---	1	---	1	1	
81	STH 22, E. OF PIONEER PARK RD.	R5-1	30" X 30"	6.25	---	---	---	1	1	1	
82	PIONEER PARK RD.	R1-1	30" X 30"	5.18	---	---	---	1	1	1	
82A	"	R6-3	30" X 24"	5.00	---	---	---	---	---	---	MOUNT BELOW SIGN #82, PART OF REMOVAL FOR SIGN #82
82B	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ABOVE SIGN #82
82C	"	R6-1L	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #82B
83	STH 22, E. OF PIONEER PARK RD.	D4-2L	36" X 48"	12.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #81, PART OF REMOVAL FOR SIGN #81
84	PIONEER PARK RD	R6-2L	---	---	---	---	---	---	1	1	
85	"	R6-2R	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #84
86	STH 22, E. OF PIONEER PARK RD.	J2-3	72" X 57"	28.50	---	---	---	2	1	2	NORTH USH 141, NORTH STH 22, SOUTH USH 141, SEE PLAN SHEET
87	STH 22, W. OF USH 141 SBND. RAMPS	D1-3	72" X 36"	18.00	---	---	1	1	1	2	OCONTO, CRIVITZ, GREEN BAY, SEE SIGN DETAIL SHEET
88	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #87, PART OF REMOVAL FOR SIGN #87
89	"	R5-1A	36" X 24"	6.00	---	---	1	---	1	1	
90	"	J4-1	24" X 36"	6.00	---	---	---	---	---	---	STH 22, SEE PLAN SHEET, MOUNT ON BACK OF SIGN #89, PART OF REMOVAL FOR SIGN #89
91	"	R3-2	24" X 24"	4.00	---	---	---	1	1	1	MOUNT ON BACK OF SIGN #92
92	"	J3-1	24" X 57"	9.50	---	---	---	---	---	---	USH 141, SEE PLAN SHEET, PART OF REMOVAL FOR SIGN #91
93	"	J3-1	24" X 57"	9.50	---	---	---	1	1	1	USH 141, SEE PLAN SHEET
94	"	R5-1	30" X 30"	6.25	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #93, PART OF REMOVAL FOR SIGN #93
95	USH 141 SBND. ENTRANCE RAMP	R6-2L	---	---	---	---	---	---	1	1	
96	USH 141 SBND. EXIT RAMP	R5-1	30" X 30"	6.25	---	---	1	---	1	1	
97	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #96, PART OF REMOVAL FOR SIGN #96
98	"	R1-1	36" X 36"	7.48	---	---	1	---	1	1	
98A	"	R6-3	30" X 24"	5.00	---	---	---	---	---	---	MOUNT BELOW SIGN #98, PART OF REMOVAL FOR SIGN #98
99	"	R6-2L	24" X 30"	5.00	---	---	---	---	---	---	MOUNT PERPENDICULAR TO SIGN #98, PART OF REMOVAL FOR SIGN #98
100	"	R1-1	36" X 36"	7.46	---	---	---	---	1	1	
101	"	R5-1	30" X 30"	6.25	---	---	1	---	1	1	
102	STH 22, E. OF USH 141 SBND. RAMPS	R4-7	24" X 30"	5.00	---	---	1	---	1	1	
102A	"	R6-2L	24" X 30"	5.00	---	---	1	---	---	---	
103	"	J3-2	48" X 57"	19.00	---	---	---	1	1	1	USH 141, STH 22, SEE PLAN SHEET
104	"	R5-1	30" X 30"	6.25	---	---	---	1	1	1	
105	"	J3-1	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #104
106	"	R3-1	24" X 24"	4.00	---	---	1	---	1	1	
	PAGE SUBTOTALS			254.30	7.07	0	11	11	23	25	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4X6X12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
107	STH 22, E. OF USH 141 SBND. RAMPS	W10-1	36" X 36"	---	7.07	---	1	---	1	1	
108	"	R3-20L	24" X 36"	6.00	---	---	---	1	1	1	
109	STH 22, W. OF USH 141 NBND. RAMPS	D1-2	60" X 30"	12.50	---	---	1	1	1	2	SEE SIGN DETAIL
110	"	R5-1A	36" X 24"	6.00	---	---	---	---	1	---	MOUNT ON BACK OF SIGN #109
111	"	R3-20L	24" X 36"	6.00	---	---	1	---	1	1	
112	"	R5-1A	36" X 24"	6.00	---	---	1	1	1	2	
113	"	D1-2	84" X 30"	17.50	---	---	---	---	1	---	MOUNT ON BACK OF SIGN #112, SEE SIGN DETAIL
114	"	J3-1	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #115
115	"	R5-1	30" X 30"	6.25	---	---	1	---	1	1	
116	"	R3-1	24" X 24"	4.00	---	---	1	---	1	1	
117	"	R4-7	24" X 30"	5.00	---	---	1	---	1	1	
118	"	J3-2	48" X 57"	19.00	---	---	---	1	1	1	USH 141, STH 22, SEE PLAN SHEET
118A	"	R6-2L	24" X 30"	5.00	---	---	1	---	---	---	
119	USH 141 NBND. EXIT RAMP	R5-1	30" X 30"	6.25	---	---	1	---	1	1	
120	"	R1-1	36" X 36"	7.48	---	---	1	---	1	1	
121	"	R1-1	36" X 36"	7.48	---	---	---	1	1	1	
122	"	R6-2L	24" X 30"	5.00	---	---	---	---	---	---	MOUNT PERPENDICULAR TO SIGN #121, PART OF REMOVAL FOR SIGN #121
122A	"	R6-3	30" X 24"	5.00	---	---	---	---	---	---	MOUNT BELOW SIGN #121, PART OF REMOVAL FOR SIGN #121
123	STH 22, E. OF USH 141 NBND. RAMPS	J3-1	24" X 57"	9.50	---	---	---	1	1	1	USH 141, SEE PLAN SHEET
124	"	R3-2	24" X 24"	4.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #123, PART OF REMOVAL FOR SIGN #123
125	USH 141 NBND. EXIT RAMP	R6-2R	24" X 30"	5.00	---	---	1	---	1	1	
126	"	R5-1	30" X 30"	6.25	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #125, PART OF REMOVAL FOR SIGN #125
127	USH 141 NBND ENTRANCE RAMP	R6-2L	---	---	---	---	---	---	1	1	
128	STH 22, E. OF USH 141 NBND. RAMPS	R5-1	30" X 30"	6.25	---	---	---	1	1	1	
129	"	J3-1	24" X 57"	9.50	---	---	---	---	1	---	USH 141, SEE PLAN SHEET, MOUNT ON BACK OF SIGN #128
130	"	W6-2	36" X 36"	---	9.00	---	1	---	1	1	
131	USH 141 SB, N. OF STH 22	I2-3	---	---	---	---	---	---	1	2	
132	USH 141 NB, S. OF STH 22	I2-3	---	---	---	---	---	---	1	2	
133	STH 22, E. OF USH 141 NBND. RAMPS	J4-1	24" X 36"	6.00	---	---	1	---	1	1	STH 22, SEE PLAN SHEET
133A	"	W6-3	36" X 36"	---	9.00	---	1	---	---	---	
134	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #133A, PART OF REMOVAL FOR SIGN #133
135	"	R5-1A	36" X 24"	6.00	---	---	1	1	1	2	
136	"	D1-3	84" X 36"	21.00	---	---	---	---	---	---	SEE SIGN DETAIL, MOUNT ON BACK OF SIGN #135, PART OF REMOVAL FOR SIGN #135
137	STH 22, W. OF MILITARY RD.	R4-7	24" X 30"	5.00	---	---	---	1	1	1	
138	"	I55-56	30" X 36"	7.50	---	---	1	---	1	1	BOY SCOUT TROOP 1024, SEE PLAN SHEET
139	"	W6-3	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #140
140	"	R5-1	36" X 36"	9.00	---	---	---	---	1	1	MOUNT ON BACK OF SIGN #139
141	"	J3-3	72" X 57"	28.50	---	---	---	2	1	2	USH 141, STH 22, USH 141, SEE PLAN SHEET
142	MILITARY RD	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
143	"	R1-1	30" X 30"	5.18	---	---	1	---	1	1	
144	STH 22, E. OF MILITARY RD.	J1-1	24" X 39"	6.50	---	---	1	---	1	1	USH 141, SEE PLAN SHEET
	PAGE SUBTOTALS			270.82	25.07	0	19	11	31	34	
	PROJECT TOTALS			**880.35**	**121.21**	**19**	**75**	**30**	**124**	**131**	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET

9180-22-21

OCONTO FALLS - USH 141

HIGHLAND DRIVE - USH 141

STH 22
OCONTO COUNTY

4

4

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)

BRIDGE

PARCEL NUMBER 25
UTILITY NUMBER 40

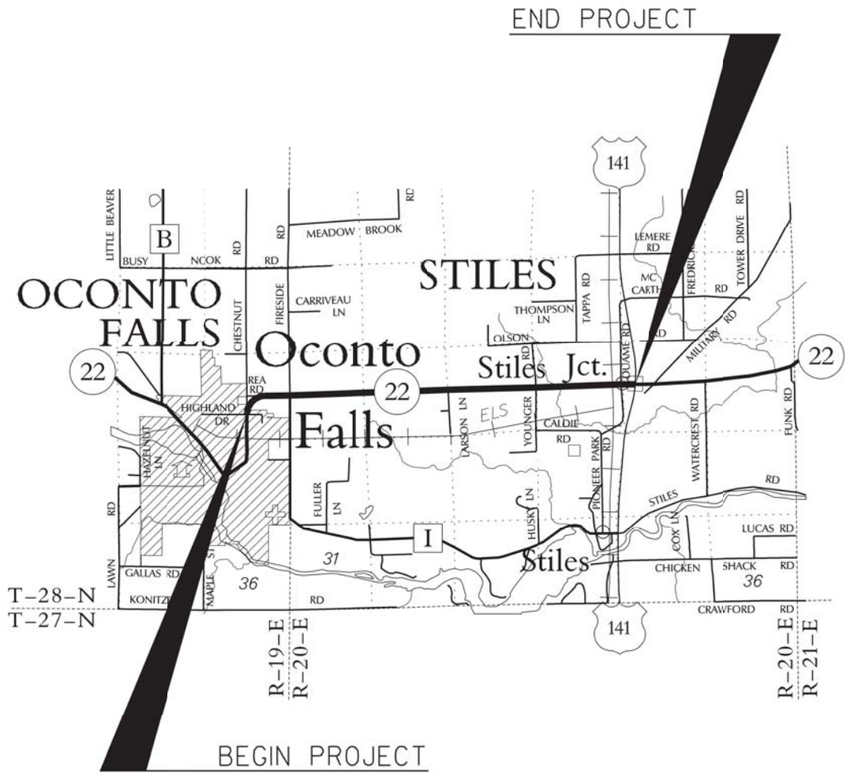
CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	RL
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	C.S.M.	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC.	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V.
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO.		
OUTLOT	OL		
PAGE	P.		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

END PROJECT



BEGIN PROJECT

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—

LAYOUT
SCALE 0 1.0 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 9180-22-21.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83(1991), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1"X 24" IRON PIPE), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY UTHORITIES MAY DEEM NECESSARY OR DESIRABLE. BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

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

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).

EXISTING HIGHWAY RIGHT-OF-WAY FOR CHESTNUT AVENUE ESTABLISHED FROM CSM 1907.

EXISTING HIGHWAY RIGHT-OF-WAY FOR REA ROAD ESTABLISHED FROM CSM 1907.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FIRESIDE ROAD ESTABLISHED FROM CSM 1848.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH I ESTABLISHED FROM CSM 2631, PREVIOUS PROJECT 9032-01-73.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LARSON ROAD ESTABLISHED FROM CSM 2663.

EXISTING HIGHWAY RIGHT-OF-WAY FOR YOUNGER ROAD ESTABLISHED FROM EXISTING CENTERLINE.

PROJECT NUMBER 9180-22-21
SHEET 2 OF 2
AMENDMENT NO.

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040100.DWG PLOT DATE : PLOT BY : OTIE PLOT NAME : ----------
APPRAISAL PLAT DATE : 7-7-2015

---------- 9180-22-21 4.00

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.01

PART OF LOT 4, C.S.M. 1907, LOCATED IN AND INCLUDING THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, ALL IN SECTION 24, T28N, R19E, TOWN OF OCONTO FALLS, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

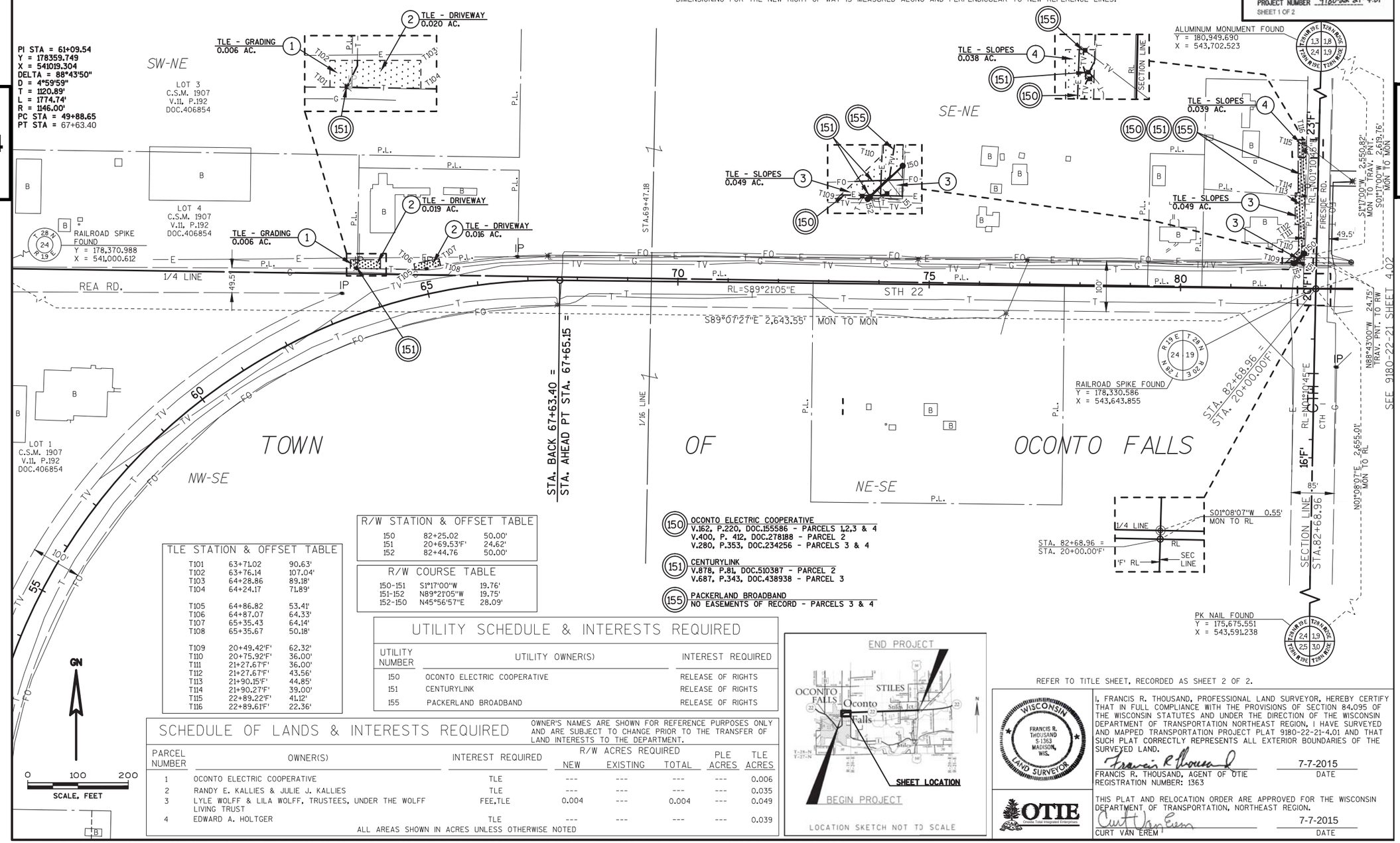
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).
EXISTING HIGHWAY RIGHT-OF-WAY FOR CHESTNUT AVENUE ESTABLISHED FROM CSM 1907.
EXISTING HIGHWAY RIGHT-OF-WAY FOR REA ROAD ESTABLISHED FROM CSM 1907.
EXISTING HIGHWAY RIGHT-OF-WAY FOR FIRESIDE ROAD ESTABLISHED FROM CSM 1848.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH I ESTABLISHED FROM CSM 2631, PREVIOUS PROJECT 9032-01-73.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN Oconto COUNTY, WISCONSIN AT 2:PM ON July 13, 2015 AS DOCUMENT # 687020 AND FILED IN Vol. 2 Pg 62 of TPP Plats
Annette Uehlinger
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.01
SHEET 1 OF 2

PI STA = 61+09.54
Y = 178359.749
X = 541019.304
DELTA = 88°43'50"
D = 4°59'59"
T = 1120.89'
L = 1774.74'
R = 1146.00'
PC STA = 49+88.65
PT STA = 67+63.40



TLE STATION & OFFSET TABLE		
T101	63+71.02	90.63'
T102	63+76.14	107.04'
T103	64+28.86	89.18'
T104	64+24.17	71.89'
T105	64+86.82	53.41'
T106	64+87.07	64.33'
T107	65+35.43	64.14'
T108	65+35.67	50.18'
T109	20+49.42'F'	62.32'
T110	20+75.92'F'	36.00'
T111	21+27.67'F'	36.00'
T112	21+27.67'F'	43.56'
T113	21+90.15'F'	44.85'
T114	21+90.27'F'	39.00'
T115	22+89.22'F'	41.12'
T116	22+89.61'F'	22.36'

R/W STATION & OFFSET TABLE		
150	82+25.02	50.00'
151	20+69.53'F'	24.62'
152	82+44.76	50.00'

R/W COURSE TABLE		
150-151	S1°17'00"W	19.76'
151-152	N89°21'05"W	19.75'
152-150	N45°56'57"E	28.09'

(150) OCONTO ELECTRIC COOPERATIVE
V.162, P.220, DOC.155586 - PARCELS 1,2,3 & 4
V.400, P. 412, DOC.278188 - PARCEL 2
V.280, P.353, DOC.234256 - PARCELS 3 & 4

(151) CENTURYLINK
V.878, P.81, DOC.510387 - PARCEL 2
V.687, P.343, DOC.438938 - PARCEL 3

(155) PACKERLAND BROADBAND
NO EASEMENTS OF RECORD - PARCELS 3 & 4

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS
155	PACKERLAND BROADBAND	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
1	OCONTO ELECTRIC COOPERATIVE	TLE	---	---	---	---	0.006
2	RANDY E. KALLIES & JULIE J. KALLIES	TLE	---	---	---	---	0.035
3	LYLE WOLFF & LILA WOLFF, TRUSTEES, UNDER THE WOLFF LIVING TRUST	FEE,TLE	0.004	---	0.004	---	0.049
4	EDWARD A. HOLTGER	TLE	---	---	---	---	0.039

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2.

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-7-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-7-2015
CURT VAN EREM — DATE

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

OTIE Orchids Time Integrated Enterprises

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.02

PART OF LOT 1, C.S.M. 2973, LOCATED IN THE FRACTIONAL NORTH 1/2 OF THE SOUTHWEST 1/4, ALSO PART OF LOT 1, C.S.M. 4393, LOCATED IN AND INCLUDING THE FRACTIONAL SOUTH 1/2 OF THE NORTHWEST 1/4, ALL IN SECTION 19, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:00AM ON July 30, 2015 AS DOCUMENT # 687401 AND FILED IN Vol. 2 Pg 63 of TPP Plats

Annette Lehninger
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.02
AMENDMENT NO:___

NOTES:

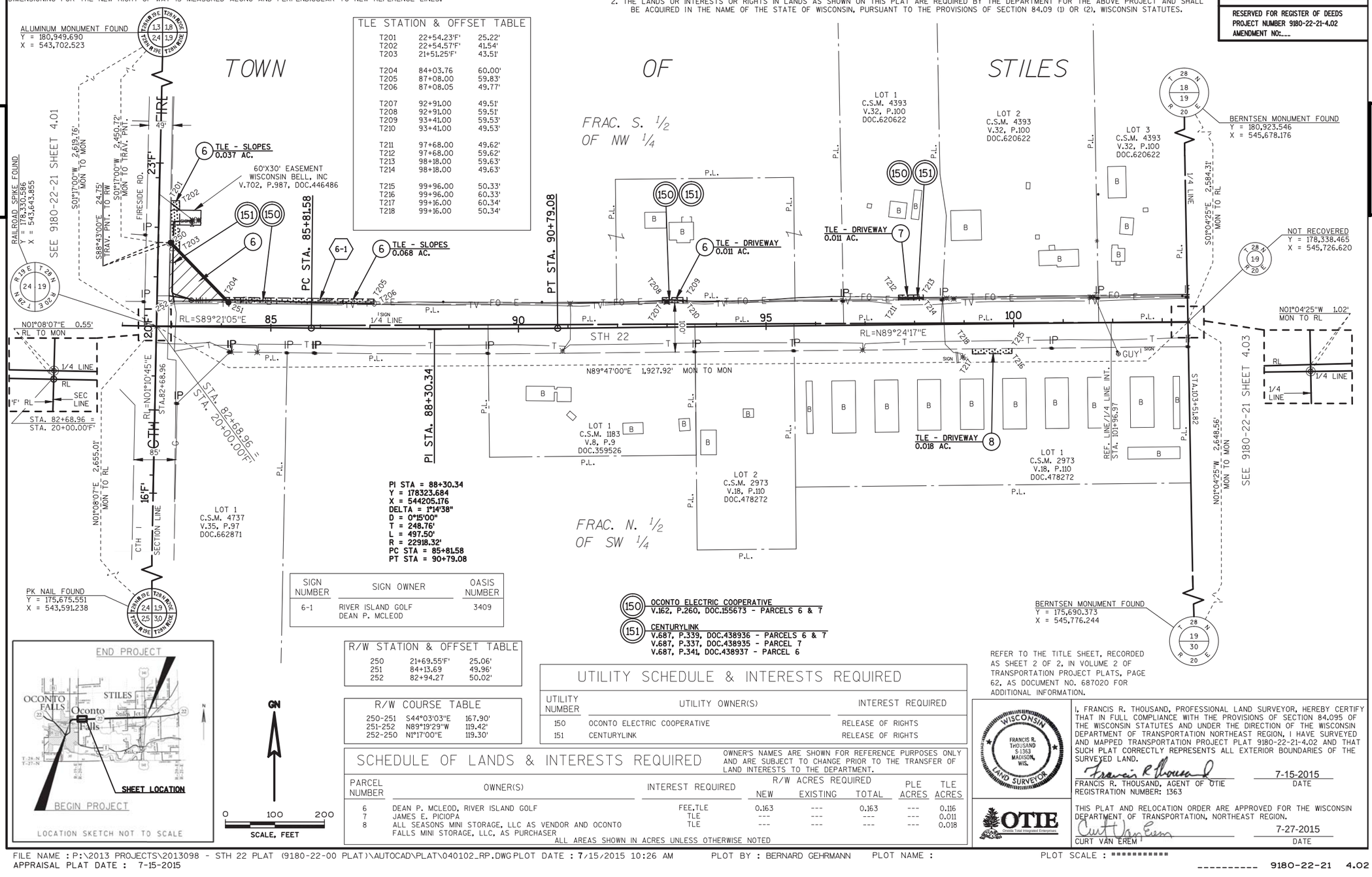
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).
EXISTING HIGHWAY RIGHT-OF-WAY FOR FIRESIDE ROAD ESTABLISHED FROM CSM 1848.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH I ESTABLISHED FROM CSM 2631, PREVIOUS PROJECT 9032-01-73.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.



SIGN NUMBER	SIGN OWNER	OASIS NUMBER
6-1	RIVER ISLAND GOLF DEAN P. MCLEOD	3409

TLE STATION & OFFSET TABLE		
T201	22+54.23'F'	25.22'
T202	22+54.57'F'	41.54'
T203	21+51.25'F'	43.51'
T204	84+03.76	60.00'
T205	87+08.00	59.83'
T206	87+08.05	49.77'
T207	92+91.00	49.51'
T208	92+91.00	59.51'
T209	93+41.00	59.53'
T210	93+41.00	49.53'
T211	97+68.00	49.62'
T212	97+68.00	59.62'
T213	98+18.00	59.63'
T214	98+18.00	49.63'
T215	99+96.00	50.33'
T216	99+96.00	60.33'
T217	99+16.00	60.34'
T218	99+16.00	50.34'

R/W STATION & OFFSET TABLE		
250	21+69.55'F'	25.06'
251	84+13.69	49.96'
252	82+94.27	50.02'

R/W COURSE TABLE		
250-251	S44°03'03"E	167.90'
251-252	N89°19'29"W	119.42'
252-250	N1°17'00"E	119.30'

(150) OCONTO ELECTRIC COOPERATIVE
V.162, P.260, DOC.155673 - PARCELS 6 & 7

(151) CENTURYLINK
V.687, P.339, DOC.438936 - PARCELS 6 & 7
V.687, P.337, DOC.438935 - PARCEL 7
V.687, P.341, DOC.438937 - PARCEL 6

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
6	DEAN P. MCLEOD, RIVER ISLAND GOLF	FEE,TLE	0.163	---	0.163	---	0.116
7	JAMES E. PICIOPA	TLE	---	---	---	---	0.011
8	ALL SEASONS MINI STORAGE, LLC AS VENDOR AND OCONTO FALLS MINI STORAGE, LLC, AS PURCHASER	TLE	---	---	---	---	0.018

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

GN

0 100 200
SCALE, FEET

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-15-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-27-2015
CURT VAN EREM — DATE

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040102_RP.DWG PLOT DATE : 7/15/2015 10:26 AM PLOT BY : BERNARD GEHRMANN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 7-15-2015

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.03

PART OF LOT 1, C.S.M. 876, LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO PART OF LOTS 1 AND 2, C.S.M. 2749, LOCATED IN AND INCLUDING THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALSO PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, ALL IN SECTION 19, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:00 AM ON July 30, 2015 AS DOCUMENT # 687402 AND FILED IN Vol. 2 Pg 64 of TPP Plats

Annette Schmiegel
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.03
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

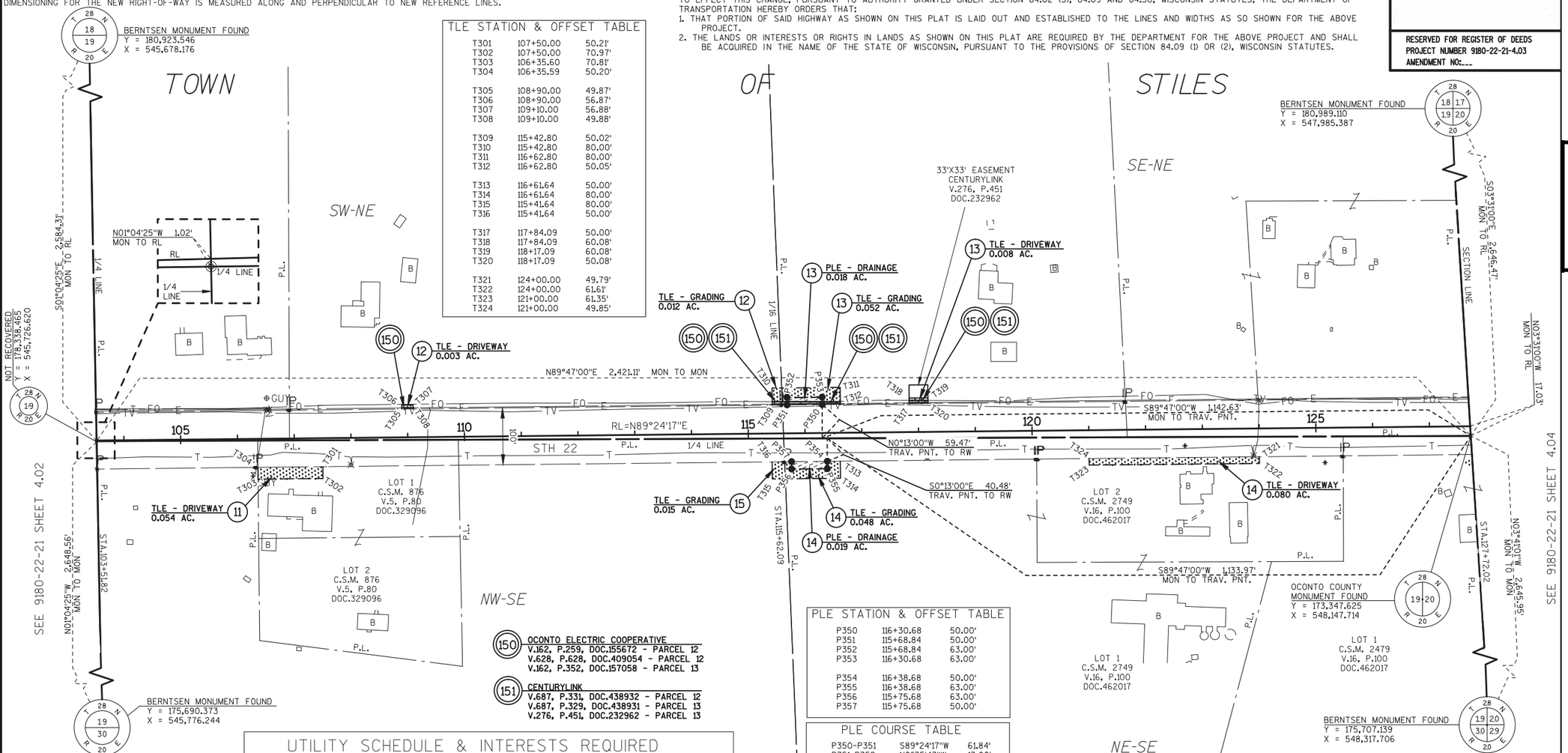
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.



(150) OCONTO ELECTRIC COOPERATIVE
V.162, P.259, DOC.155672 - PARCEL 12
V.628, P.628, DOC.409054 - PARCEL 12
V.162, P.352, DOC.157058 - PARCEL 13

(151) CENTURYLINK
V.687, P.331, DOC.438932 - PARCEL 12
V.687, P.329, DOC.438931 - PARCEL 13
V.276, P.451, DOC.232962 - PARCEL 13

TLE STATION & OFFSET TABLE

T301	107+50.00	50.21'
T302	107+50.00	70.97'
T303	106+35.60	70.81'
T304	106+35.59	50.20'
T305	108+90.00	49.87'
T306	108+90.00	56.87'
T307	109+10.00	56.88'
T308	109+10.00	49.88'
T309	115+42.80	50.02'
T310	115+42.80	80.00'
T311	116+62.80	80.00'
T312	116+62.80	50.05'
T313	116+61.64	50.00'
T314	116+61.64	80.00'
T315	115+41.64	80.00'
T316	115+41.64	50.00'
T317	117+84.09	50.00'
T318	117+84.09	60.08'
T319	118+17.09	60.08'
T320	118+17.09	50.08'
T321	124+00.00	49.79'
T322	124+00.00	61.61'
T323	121+00.00	61.35'
T324	121+00.00	49.85'

PLE STATION & OFFSET TABLE

P350	116+30.68	50.00'
P351	115+68.84	50.00'
P352	115+68.84	63.00'
P353	116+30.68	63.00'
P354	116+38.68	50.00'
P355	116+38.68	63.00'
P356	115+75.68	63.00'
P357	115+75.68	50.00'

PLE COURSE TABLE

P350-P351	S89°24'17"W	61.84'
P351-P352	N0°35'43"W	13.00'
P352-P353	N89°24'17"E	61.84'
P353-P350	S0°35'43"E	13.00'
P354-P355	S0°35'43"E	13.00'
P355-P356	S89°24'17"W	63.00'
P356-P357	N0°35'43"W	13.00'
P357-P354	N89°24'17"E	63.00'

UTILITY SCHEDULE & INTERESTS REQUIRED

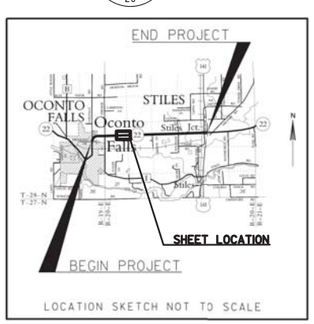
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
11	TIMOTHY A. WIRHANOWICZ AND STEPHANIE M. GERNDT, JOINT TENANTS	TLE	---	---	---	---	0.054
12	GENE G. DEPREY, JR. AS PURCHASER AND GENE DEPREY, AS VENDOR	TLE	---	---	---	---	0.015
13	ROBERT DAMP AND SUSAN M. DAMP	PLE,TLE	---	---	---	0.018	0.060
14	CRAIG J. GARFIELD	PLE,TLE	---	---	---	0.019	0.128
15	ALLAN W. MURPHY	TLE	---	---	---	---	0.015

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED



LOCATION SKETCH NOT TO SCALE

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-15-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

OTIE Orbis Total Integrated Enterprise

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-31-2015
CURT VAN EREM — DATE

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040103_RP.DWG PLOT DATE : 7/31/2015 9:48 AM PLOT BY : GARY CORCORAN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 7-15-2015

---------- 9180-22-21 4.03

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.04

PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 20, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

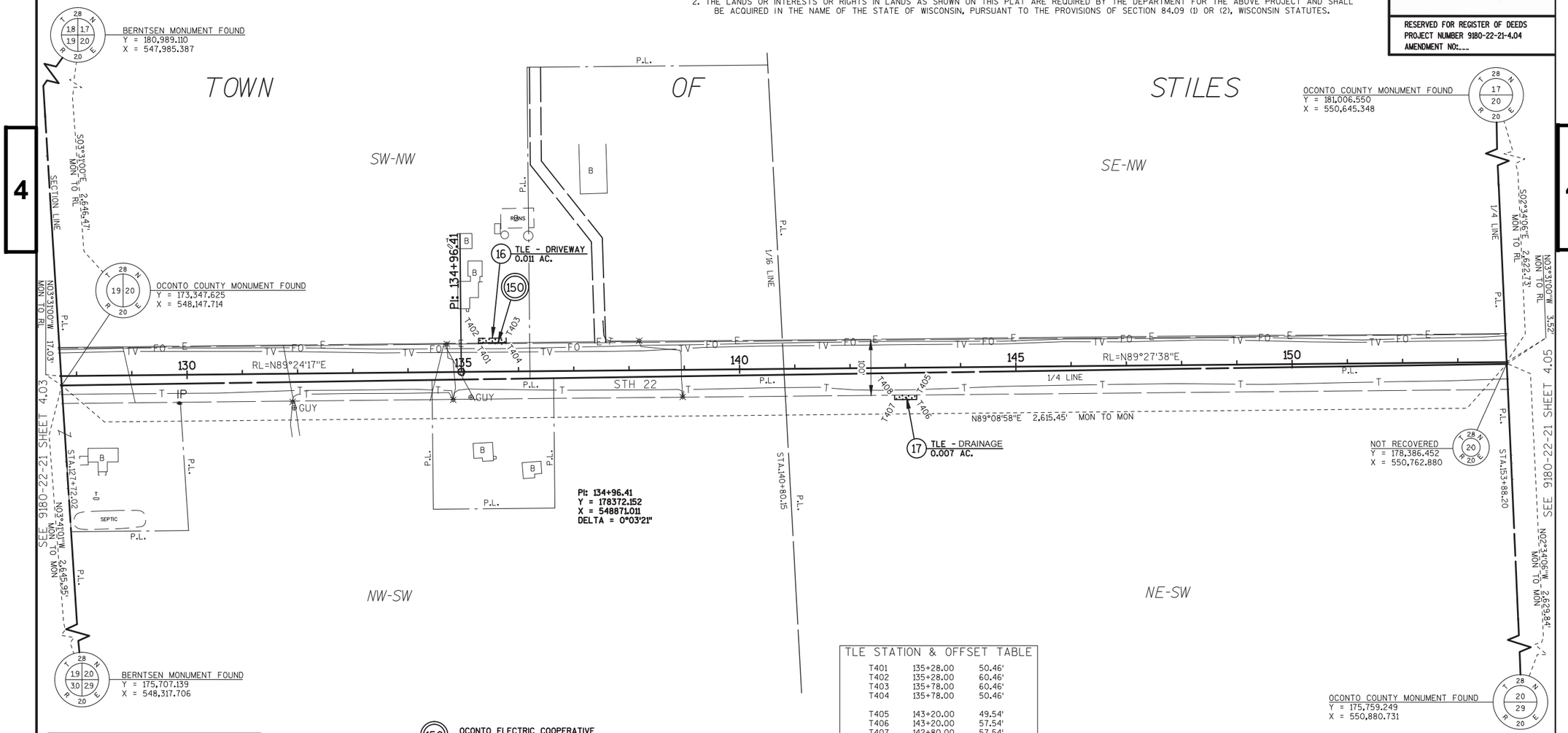
RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

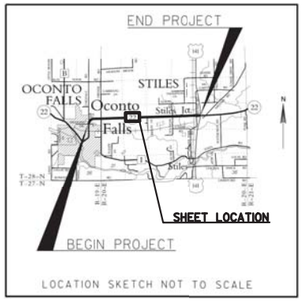
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:..AM ON July 30, 2015 AS DOCUMENT # 687403 AND FILED IN Vol. 2 Pg 65 of TPP Plats
Annette Bohringer
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.04
AMENDMENT NO:...



TLE STATION & OFFSET TABLE		
T401	135+28.00	50.46'
T402	135+28.00	60.46'
T403	135+78.00	60.46'
T404	135+78.00	50.46'
T405	143+20.00	49.54'
T406	143+20.00	57.54'
T407	142+80.00	57.54'
T408	142+80.08	49.54'



150 OCONTO ELECTRIC COOPERATIVE
V.161, P.246, DOC.155644 - PARCEL 16

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
16	JAMES F. MOYNIHAN	TLE	---	---	---	---	0.011
17	JEFF C. & POLLY J. CHAMPEAU, A ½ INTEREST, JUSTIN J. CHAMPEAU, A ½ INTEREST	TLE	---	---	---	---	0.007

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

GN
0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-15-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

OTIE Ohnstad Twichell Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-27-2015
CURT VAN EREM — DATE

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040104_RP.DWG PLOT DATE : 7/15/2015 10:35 AM PLOT BY : BERNARD GEHRMANN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 7-15-2015

---------- 9180-22-21 4.04

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.05
AMENDMENT NO.1

AMENDS PARCEL NO.22 AND ADDS PARCEL NO.24 TO TRANSPORTATION PROJECT PLAT 9180-22-21-4.05 RECORDED AS DOCUMENT NO.687404.
PART OF LOT 1, C.S.M. 1524, PART OF LOTS 1 AND 2, C.S.M. 4673, AND PART OF LOT 1, C.S.M. 2318, ALL LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF LOT 1, C.S.M. 2318, LOCATED IN AND INCLUDING THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 20, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 8:00 AM ON November 19, 2015 AS DOCUMENT # 690137 AND FILED IN Vol. 2 Pg 75 of TPP Plats
Annette Ostringer
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.05
AMENDMENT NO: 1

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

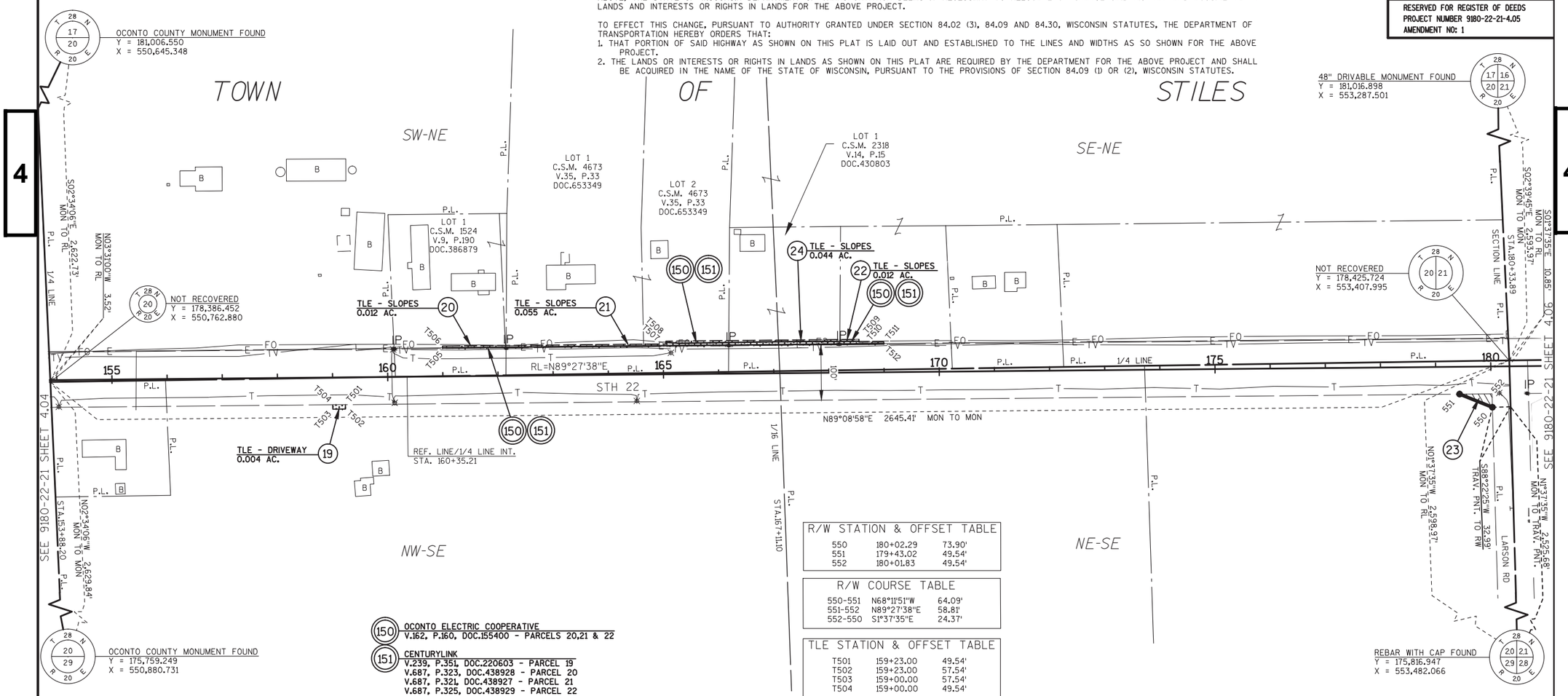
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).
EXISTING HIGHWAY RIGHT-OF-WAY FOR LARSON ROAD ESTABLISHED FROM CSM 2663.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



(150) OCONTO ELECTRIC COOPERATIVE
V.162, P.160, DOC.155400 - PARCELS 20,21 & 22

(151) CENTURYLINK
V.239, P.351, DOC.220603 - PARCEL 19
V.687, P.323, DOC.438928 - PARCEL 20
V.687, P.321, DOC.438927 - PARCEL 21
V.687, P.325, DOC.438929 - PARCEL 22

R/W STATION & OFFSET TABLE

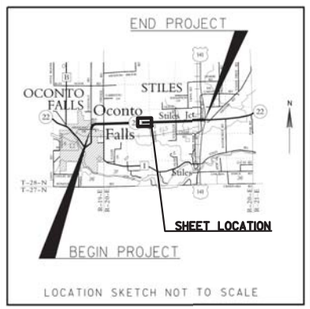
550	180+02.29	73.90'
551	179+43.02	49.54'
552	180+01.83	49.54'

R/W COURSE TABLE

550-551	N68°11'51"W	64.09'
551-552	N89°27'38"E	58.81'
552-550	S1°37'35"E	24.37'

TLE STATION & OFFSET TABLE

T501	159+23.00	49.54'
T502	159+23.00	57.54'
T503	159+00.00	57.54'
T504	159+00.00	49.54'
T505	161+00.00	50.46'
T506	161+00.00	54.99'
T507	165+05.00	55.00'
T508	165+05.00	60.00'
T509	168+55.09	60.00'
T510	168+55.04	55.00'
T511	169+00.07	55.00'
T512	169+00.02	50.46'



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
19	THOMAS J. & JO ANN C. USAIK	TLE	---	---	---	---	0.004
20	WADE G. & KRISTINA M. JESKE	TLE	---	---	---	---	0.012
21	JAMIE J. & AMY R. MEUNIER	TLE	---	---	---	---	0.055
22	CHESTER G. & BARBARA A. KONITZER	TLE	---	---	---	---	0.012
23	BRADLEY N. LANGLAY	FEE	0.016	---	0.016	---	---
24	BRUCE JOHN KONITZER	TLE	---	---	---	---	0.044

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 11-5-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

OTIE Wisconsin Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 11-6-2015
CURT VAN EREM — DATE

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040105_A1_RP.DWG PLOT DATE : 11/5/2015 2:39 PM PLOT BY : BERNARD GEHRMANN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 11-5-2015

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.05

PART OF LOT 1, C.S.M. 1524, PART OF LOTS 1 AND 2, C.S.M. 4673, AND PART OF LOT 1, C.S.M. 2318, ALL LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF LOT 1, C.S.M. 2318, LOCATED IN AND INCLUDING THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 20, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:a.m ON July 30,2015 AS DOCUMENT # 487404 AND FILED IN Vol. 2 Pg 66 of TPP Plats

Gunnette Lehninger
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.05
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

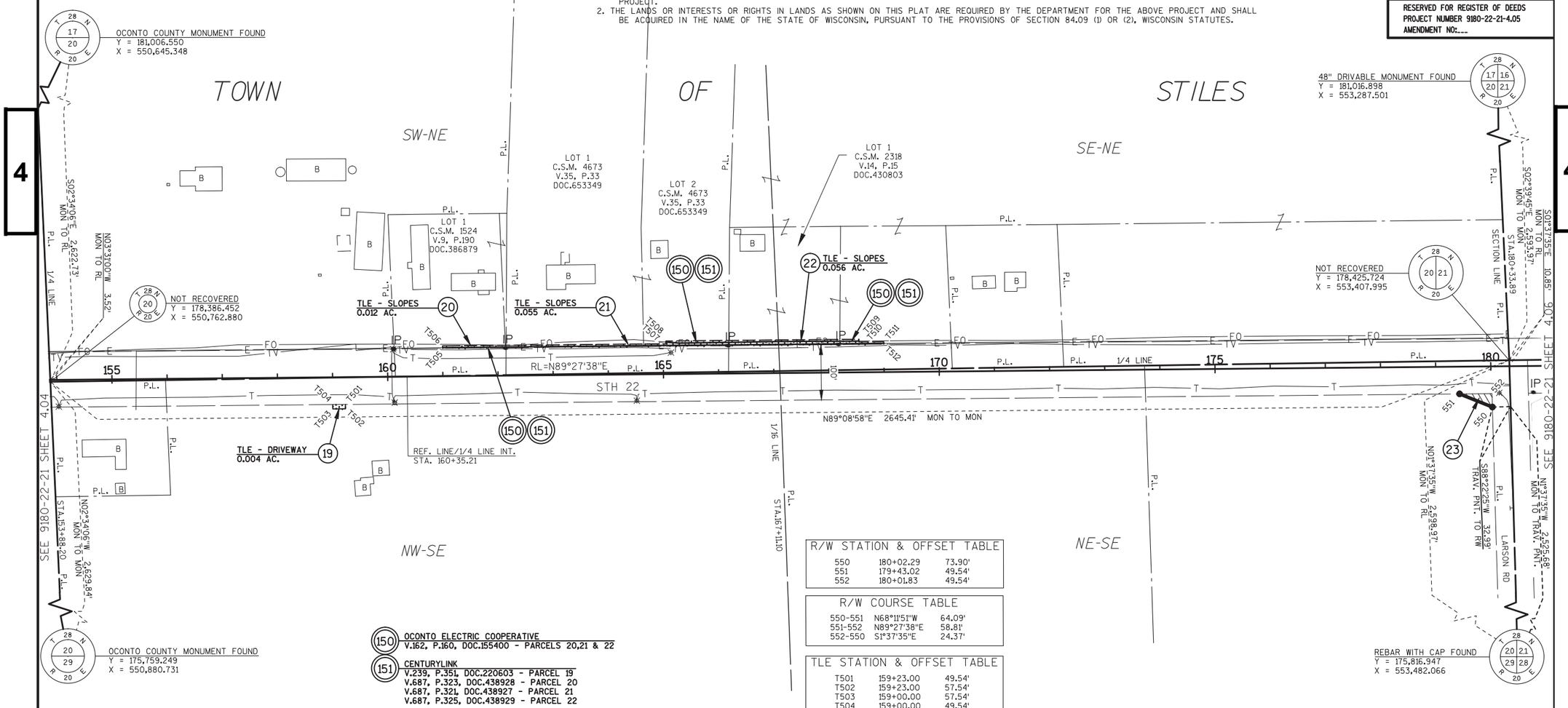
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).
EXISTING HIGHWAY RIGHT-OF-WAY FOR LARSON ROAD ESTABLISHED FROM CSM 2663.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.



(150) OCONTO ELECTRIC COOPERATIVE
V.162, P.160, DOC.155400 - PARCELS 20,21 & 22

(151) CENTURYLINK
V.239, P.351, DOC.220603 - PARCEL 19
V.687, P.323, DOC.438928 - PARCEL 20
V.687, P.321, DOC.438927 - PARCEL 21
V.687, P.325, DOC.438929 - PARCEL 22

R/W STATION & OFFSET TABLE

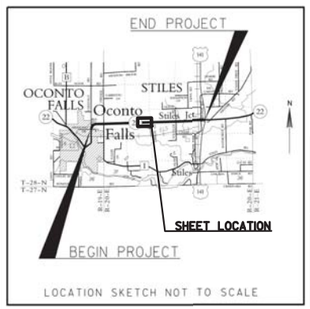
550	180+02.29	73.90'
551	179+43.02	49.54'
552	180+01.83	49.54'

R/W COURSE TABLE

550-551	N68°11'51"W	64.09'
551-552	N89°27'38"E	58.81'
552-550	S1°37'35"E	24.37'

TLE STATION & OFFSET TABLE

T501	159+23.00	49.54'
T502	159+23.00	57.54'
T503	159+00.00	57.54'
T504	159+00.00	49.54'
T505	161+00.00	50.46'
T506	161+00.00	54.99'
T507	165+05.00	55.00'
T508	165+05.00	60.00'
T509	168+55.09	60.00'
T510	168+55.04	55.00'
T511	169+00.07	55.00'
T512	169+00.02	50.46'



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
19	THOMAS J. & JO ANN C. USAIK	TLE	---	---	---	---	0.004
20	WADE G. & KRISTINA M. JESKE	TLE	---	---	---	---	0.012
21	JAMIE J. & AMY R. MEUNIER	TLE	---	---	---	---	0.055
22	CHESTER G. & BARBARA A. KONITZER	TLE	---	---	---	---	0.056
23	BRADLEY N. LANGLAY	FEE	0.016	---	0.016	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-15-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-27-2015
CURT VAN EREM — DATE

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040105_RP.DWG PLOT DATE : 7/15/2015 10:53 AM PLOT BY : BERNARD GEHRMANN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 7-15-2015

---------- 9180-22-21 4.05

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.06

PART OF LOT 1, C.S.M. 2663, LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 21, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:00 AM ON July 30, 2015 AS DOCUMENT # 687405 AND FILED IN Vol. 2 Pg 67 of TPP Plats

Annette Kahmann
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.06
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

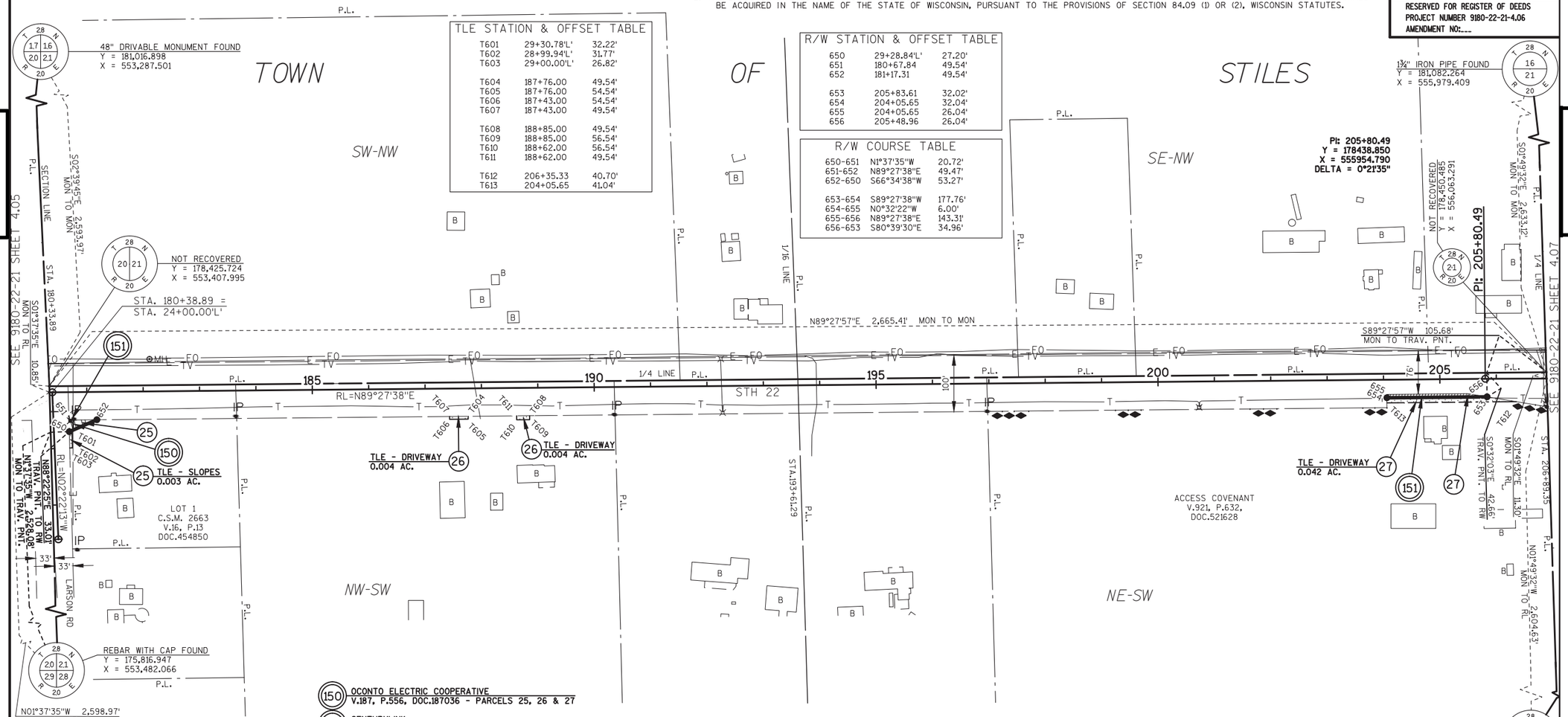
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).
EXISTING HIGHWAY RIGHT-OF-WAY FOR LARSON ROAD ESTABLISHED FROM CSM 2663.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.



TLE STATION & OFFSET TABLE		
T601	29+30.78'L'	32.22'
T602	28+99.94'L'	31.77'
T603	29+00.00'L'	26.82'
T604	187+76.00	49.54'
T605	187+76.00	54.54'
T606	187+43.00	54.54'
T607	187+43.00	49.54'
T608	188+85.00	49.54'
T609	188+85.00	56.54'
T610	188+62.00	56.54'
T611	188+62.00	49.54'
T612	206+35.33	40.70'
T613	204+05.65	41.04'

R/W STATION & OFFSET TABLE		
650	29+28.84'L'	27.20'
651	180+67.84	49.54'
652	181+17.31	49.54'
653	205+83.61	32.02'
654	204+05.65	32.04'
655	204+05.65	26.04'
656	205+48.96	26.04'

R/W COURSE TABLE		
650-651	N1°37'35"W	20.72'
651-652	N89°27'38"E	49.47'
652-650	S66°34'38"W	53.27'
653-654	S89°27'38"W	177.76'
654-655	N0°32'22"W	6.00'
655-656	N89°27'38"E	143.31'
656-653	S80°39'30"E	34.96'

(150) OCONTO ELECTRIC COOPERATIVE
V.187, P.556, DOC.187036 - PARCELS 25, 26 & 27

(151) CENTURYLINK
V.410, P.53, DOC.282584 - PARCEL 27



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
25	ROBERT D. FUSEK, II & CHRIS A. FUSEK	FEE,TLE	0.012	---	0.012	---	0.003
26	TIMOTHY G. JAHNKE & ANN C. JAHNKE JOINT REVOCABLE TRUST	TLE	---	---	---	---	0.008
27	MARK W. POSSLEY & BRENDA M. POSSLEY	FEE,TLE	0.022	---	0.022	---	0.042

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

GN
0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-15-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

OTIE Oneida Tribal Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-31-2015
CURT VAN EREM — DATE

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040106_RP.DWG PLOT DATE : 7/31/2015 9:49 AM PLOT BY : GARY CORCORAN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 7-15-2015

---------- 9180-22-21 4.06

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.07 AMENDMENT NO. 1

AMENDS PARCEL 30 AND CORRECTS COORDINATES OF WEST 1/4 CORNER OF SECTION 22 OF TPP 9180-22-21 RECORDED AS DOCUMENT NUMBER 687406.
PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF THE SOUTHEAST 1/4, OF THE NORTHEAST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 21, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

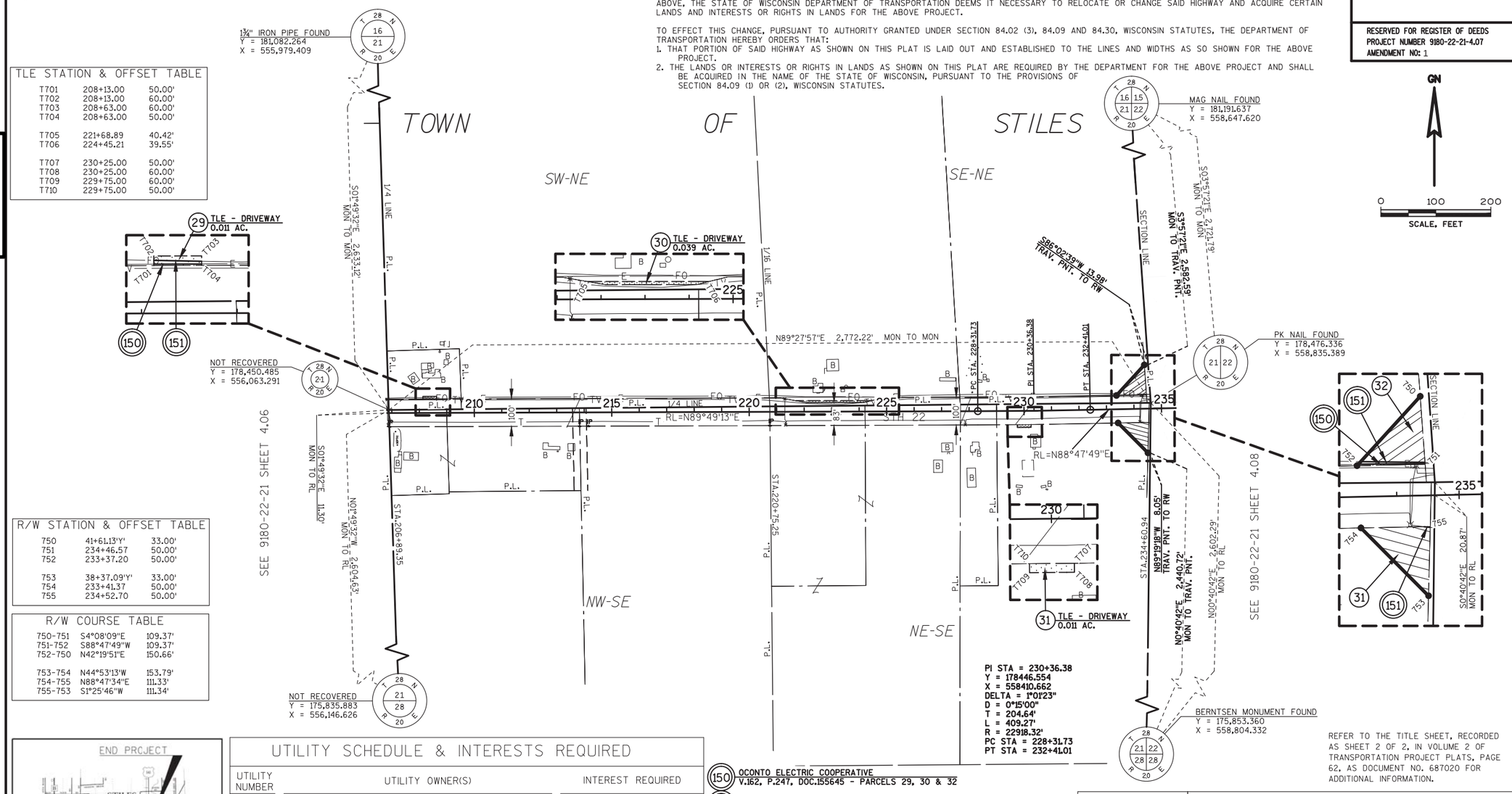
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT _:__ _M ON October 19, 2015 AS DOCUMENT # 689296 AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

Recording information obtained via phone call

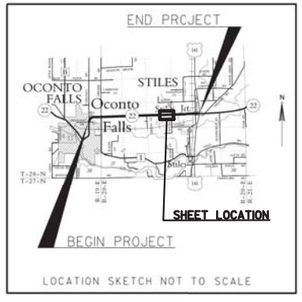
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.07
AMENDMENT NO: 1



TLE STATION & OFFSET TABLE		
T701	208+13.00	50.00'
T702	208+13.00	60.00'
T703	208+63.00	60.00'
T704	208+63.00	50.00'
T705	221+68.89	40.42'
T706	224+45.21	39.55'
T707	230+25.00	50.00'
T708	230+25.00	60.00'
T709	229+75.00	60.00'
T710	229+75.00	50.00'

R/W STATION & OFFSET TABLE		
750	41+61.13'Y'	33.00'
751	234+46.57	50.00'
752	233+37.20	50.00'
753	38+37.09'Y'	33.00'
754	233+41.37	50.00'
755	234+52.70	50.00'

R/W COURSE TABLE		
750-751	S4°08'09"E	109.37'
751-752	S88°47'49"W	109.37'
752-750	N42°19'51"E	150.66'
753-754	N44°53'13"W	153.79'
754-755	N88°47'34"E	111.33'
755-753	S1°25'46"W	111.34'



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

(150) **OCONTO ELECTRIC COOPERATIVE**
V.162, P.247, DOC.155645 - PARCELS 29, 30 & 32

(151) **CENTURYLINK**
V.687, P.307, DOC.438920 - PARCEL 29
V.687, P.303, DOC.438918 - PARCEL 30
V.687, P.301, DOC.438917 - PARCEL 32

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
29	CARL A. ROWELL AND CHERYL A. ROWELL	TLE	---	---	---	---	0.011
30	KIRBY JESKE & AUDREY JESKE	TLE	---	---	---	---	0.039
31	BRUCE JESKE	FEE,TLE	0.142	---	0.142	---	0.011
32	WADE G. JESKE	FEE	0.137	---	0.137	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 9-15-2015 DATE

FRANCIS R. THOUSAND, AGENT OF OTIE
REGISTRATION NUMBER: 1363

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 10-13-2015 DATE

CURT VAN EREM

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.07

PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO PART OF THE SOUTHEAST 1/4, OF THE NORTHEAST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 21, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:18 A.M. ON July 30, 2015 AS DOCUMENT # 687406 AND FILED IN Vol. 2 Pg 68 of TPP Plats

Annette Lahnen
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.07
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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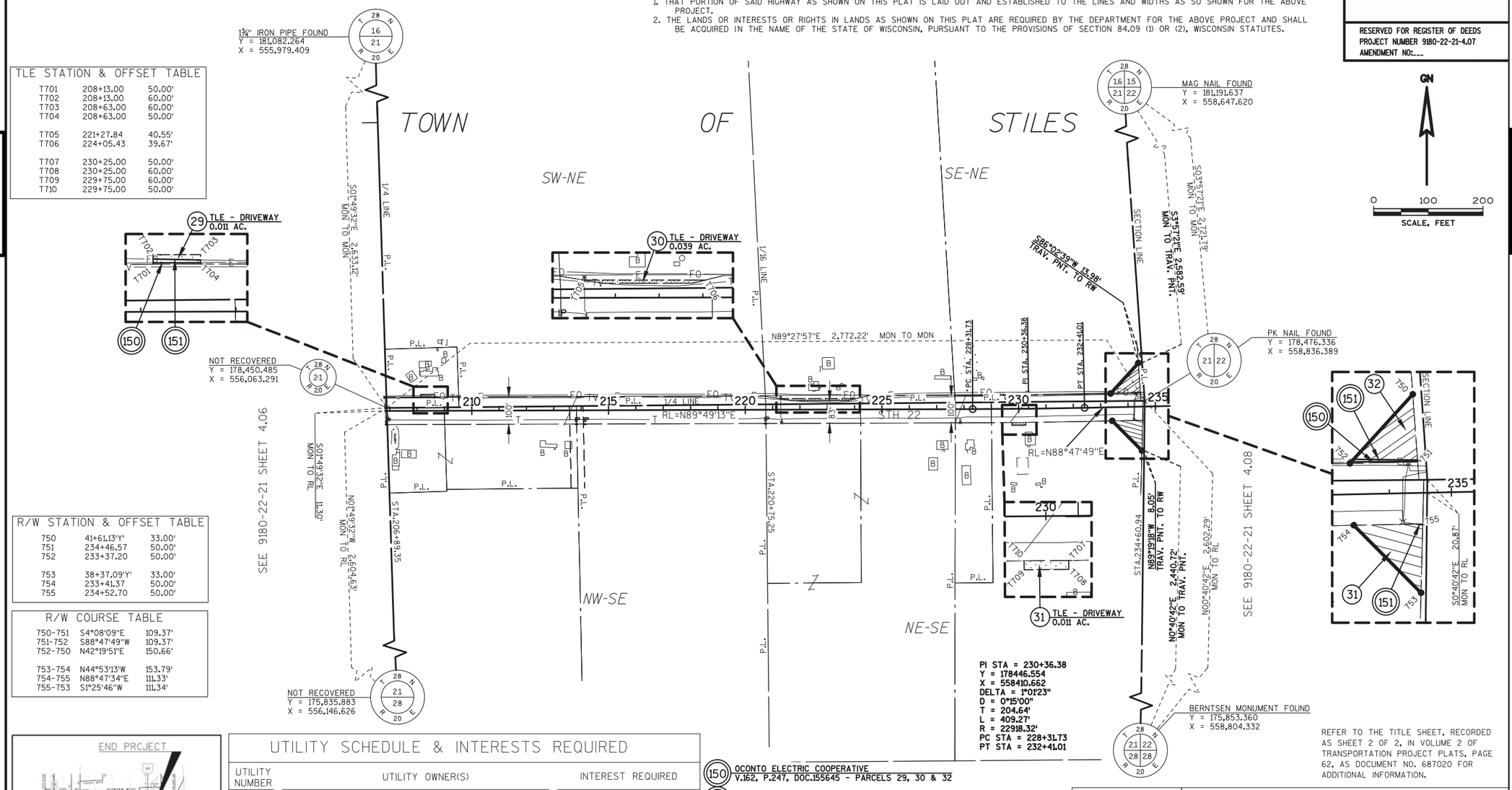
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

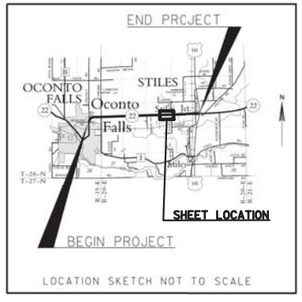
TLE STATION & OFFSET TABLE		
T701	208+13.00	50.00'
T702	208+13.00	60.00'
T703	208+63.00	60.00'
T704	208+63.00	50.00'
T705	221+27.84	40.55'
T706	224+05.43	39.67'
T707	230+25.00	50.00'
T708	230+25.00	60.00'
T709	229+75.00	60.00'
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R/W STATION & OFFSET TABLE		
750	41+61.13'Y'	33.00'
751	234+46.57	50.00'
752	233+37.20	50.00'
753	38+37.09'Y'	33.00'
754	233+41.37	50.00'
755	234+52.70	50.00'

R/W COURSE TABLE		
750-751	S4°08'09"E	109.37'
751-752	S88°47'49"W	109.37'
752-750	N42°19'51"E	150.66'
753-754	N44°53'13"W	153.79'
754-755	N88°47'34"E	111.33'
755-753	S1°25'46"W	111.34'



PI STA = 230+36.38
Y = 178446.554
X = 558410.662
DELTA = 1°01'23"
D = 0°15'00"
T = 204.64'
L = 409.27'
R = 22918.32'
PC STA = 228+31.73
PT STA = 232+41.01



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

150 OCONTO ELECTRIC COOPERATIVE
V.162, P.247, DOC.155645 - PARCELS 29, 30 & 32

151 CENTURYLINK
V.687, P.307, DOC.438920 - PARCEL 29
V.687, P.303, DOC.438918 - PARCEL 30
V.687, P.301, DOC.438917 - PARCEL 32

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
29	CARL A. ROWELL AND CHERYL A. ROWELL	TLE	---	---	---	---	0.011
30	KIRBY JESKE & AUDREY JESKE	TLE	---	---	---	---	0.039
31	BRUCE JESKE	FEE,TLE	0.142	---	0.142	---	0.011
32	WADE G. JESKE	FEE	0.137	---	0.137	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-15-2015
FRANCIS R. THOUSAND, AGENT OF OTIE — DATE
REGISTRATION NUMBER: 1363

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-27-2015
CURT VAN EREM — DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

689172
Recorded
October 13, 2015 9:30 AM
ANNETTE BEHRINGER
REGISTER OF DEEDS
OCONTO COUNTY, WI
Pages: 1
Fee: $30.00

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

This Affidavit of Correction applies to Transportation Project Plat 9180-22-21-4.08, recorded in Volume 2, page 69 of Transportation Project Plats, as Document Number 687407, on July 30, 2015 in the Office of the Register of Deeds for Oconto County.

AFFIANT, hereby swears or affirms that the following error was contained in the above-described Transportation Project Plat.

The coordinates for the West ¼ corner of Section 22 is in error. The coordinates should read:

Y = 178,476.336
X = 558,835.389

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
Northeast Region, Green Bay Office
Attn: Carolyn Sampson
944 Vanderperren Way
Green Bay, WI 54304-0080

Parcel Identification Number/Tax Key Number

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Francis R Thousand
(Signature)

Francis R. Thousand
(Print Name)

Professional Land Surveyor
(Title)

WISCONSIN
FRANCIS R. THOUSAND
S-1363
MADISON, WIS
9/15/15
LAND SURVEYOR

Seal(s)

Subscribed and sworn to before me this date.

15th September, 2015
(Date)

State of Wisconsin)
) ss.
Dane County)

(Signature, Notary Public, State of Wisconsin)

REBECCA TIMM
(Print or Type Name, Notary Public, State of Wisconsin)

12-18-2016
(Date Commission Expires)

REBECCA TIMM
Notary Public
State of Wisconsin

Project ID 9180-22-21 This instrument was drafted by Francis R. Thousand Parcel No. N/A

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.08

PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 22, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:a.m ON July 30, 2015 AS DOCUMENT # 687407 AND FILED IN Vol. 2 Pg 69 of TPP Plats

SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.08
AMENDMENT NO:...

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

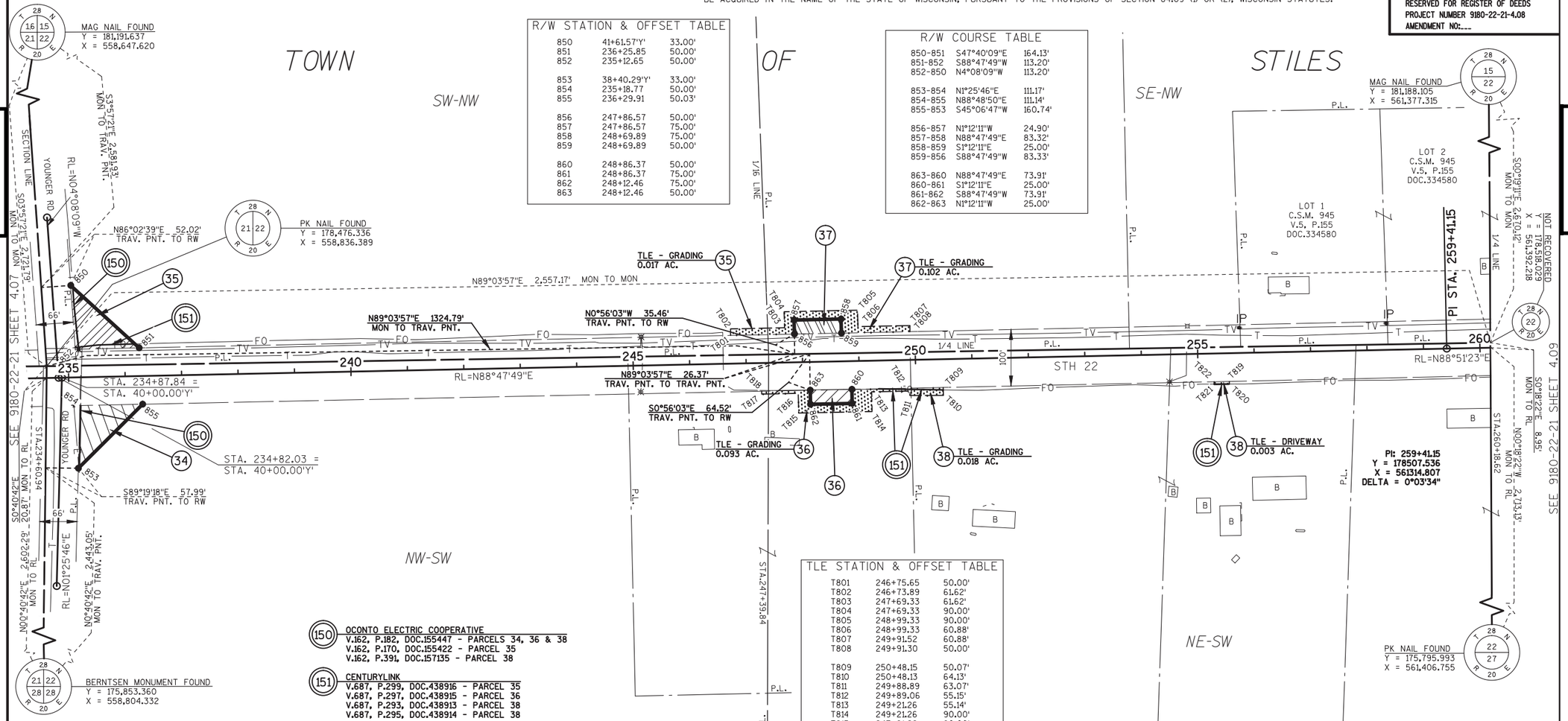
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).
EXISTING HIGHWAY RIGHT-OF-WAY FOR YOUNGER ROAD ESTABLISHED FROM EXISTING CENTERLINE.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.



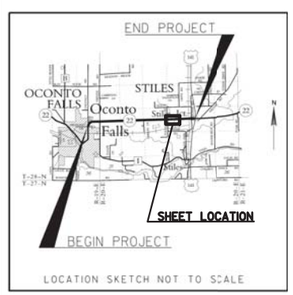
R/W STATION & OFFSET TABLE		
850	41+61.57'Y'	33.00'
851	236+25.85	50.00'
852	235+12.65	50.00'
853	38+40.29'Y'	33.00'
854	235+18.77	50.00'
855	236+29.91	50.03'
856	247+86.57	50.00'
857	247+86.57	75.00'
858	248+69.89	75.00'
859	248+69.89	50.00'
860	248+86.37	50.00'
861	248+86.37	75.00'
862	248+12.46	75.00'
863	248+12.46	50.00'

R/W COURSE TABLE		
850-851	S47°40'09"E	164.13'
851-852	S88°47'49"W	113.20'
852-850	N4°08'09"W	113.20'
853-854	N1°25'46"E	111.17'
854-855	N88°48'50"E	111.14'
855-853	S45°06'47"W	160.74'
856-857	N1°12'11"W	24.90'
857-858	N88°47'49"E	83.32'
858-859	S1°12'11"E	25.00'
859-856	S88°47'49"W	83.33'
863-860	N88°47'49"E	73.91'
860-861	S1°12'11"E	25.00'
861-862	S88°47'49"W	73.91'
862-863	N1°12'11"W	25.00'

TLE STATION & OFFSET TABLE		
T801	246+75.65	50.00'
T802	246+73.89	61.62'
T803	247+69.33	61.62'
T804	247+69.33	90.00'
T805	248+99.33	90.00'
T806	248+99.33	60.88'
T807	249+91.52	60.88'
T808	249+91.30	50.00'
T809	250+48.15	50.07'
T810	250+48.13	64.13'
T811	249+88.89	63.07'
T812	249+89.06	55.15'
T813	249+21.26	55.14'
T814	249+21.26	90.00'
T815	247+91.26	90.00'
T816	247+91.26	55.08'
T817	247+26.56	55.00'
T818	247+26.66	50.00'
T819	255+55.00	49.98'
T820	255+55.00	54.98'
T821	255+28.00	54.98'
T822	255+28.00	49.98'

(150) **OCONTO ELECTRIC COOPERATIVE**
V.162, P.182, DOC.155447 - PARCELS 34, 36 & 38
V.162, P.170, DOC.155422 - PARCEL 35
V.162, P.391, DOC.157135 - PARCEL 38

(151) **CENTURYLINK**
V.687, P.299, DOC.438916 - PARCEL 35
V.687, P.297, DOC.438915 - PARCEL 36
V.687, P.293, DOC.438913 - PARCEL 38
V.687, P.295, DOC.438914 - PARCEL 38



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
34	THOMAS WITT & LINDA L. WITT	FEE	0.142	---	0.142	---	---
35	ROY D. KOSKE	FEE,TLE	0.147	---	0.147	---	0.017
36	BRUCE C. JESKE	FEE,TLE	0.042	---	0.042	---	0.093
37	GERALD A. HERALD & PAUL W. DUMAS, TENANTS IN COMMON	FEE,TLE	0.048	---	0.048	---	0.102
38	RICHARD D. MESSENGER, SR. & ROSEMARY MESSENGER	TLE	---	---	---	---	0.021

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

FRANCIS R. THOUSAND, AGENT OF OTIE — 7-15-2015 DATE
REGISTRATION NUMBER: 1363

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

CURT VAN EREM — 7-27-2015 DATE

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040108_RP.DWG PLOT DATE : 7/15/2015 11:09 AM PLOT BY : BERNARD GEHRMANN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 7-15-2015

---------- 9180-22-21 4.08

TRANSPORTATION PROJECT PLAT NO: 9180-22-21 - 4.09

PART OF LOT 1, C.S.M. 221, LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALL IN SECTION 22, T28N, R20E, TOWN OF STILES, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 22, OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 11:40 AM ON July 30, 2015 AS DOCUMENT # 687408 AND FILED IN Vol 2 Pg 70 of TPP Plats

Annette Rohringer
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9180-22-21-4.09
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OCONTO COUNTY, NAD83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

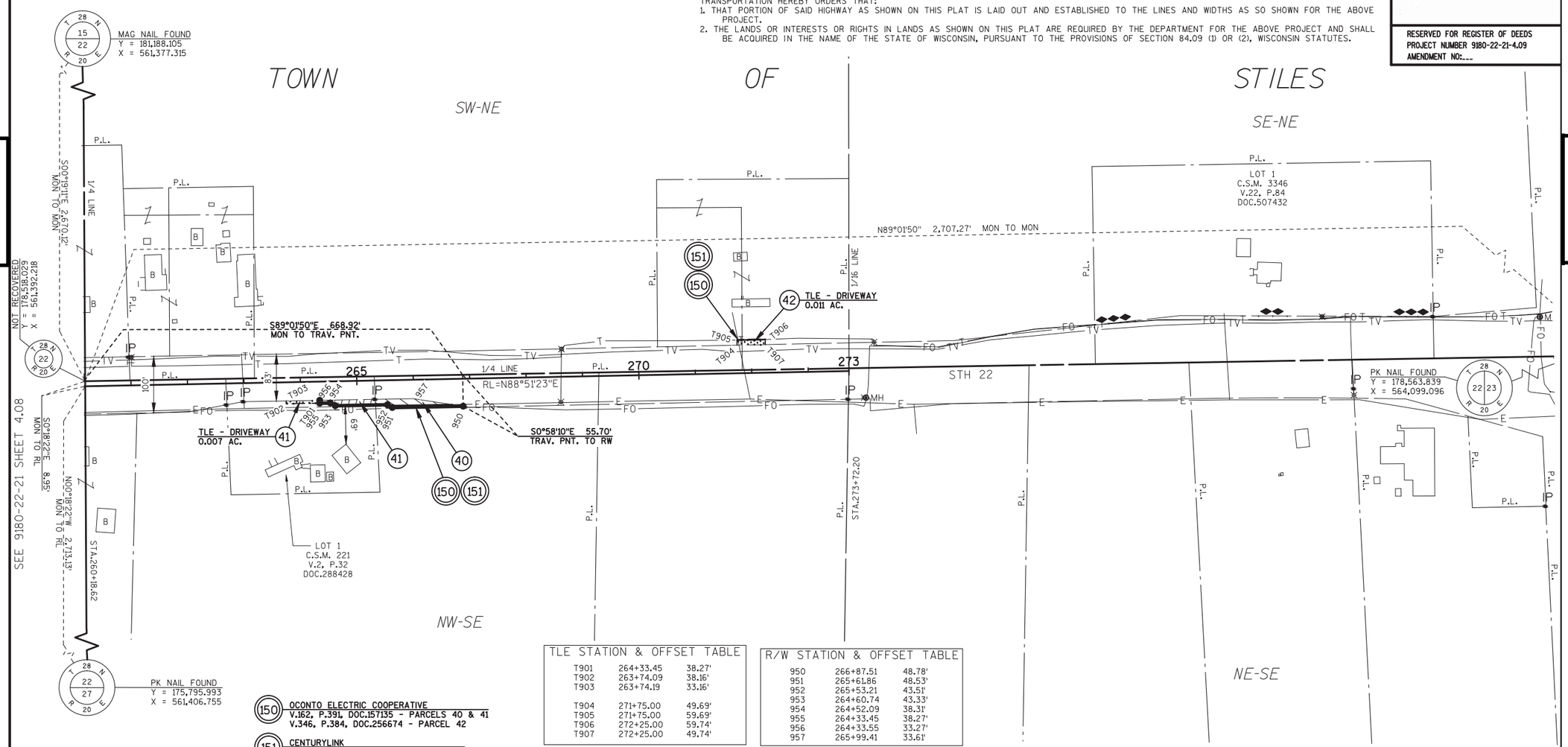
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 22 ESTABLISHED FROM PREVIOUS STATE AID PROJECT NO.3499 (1936 REVISION).

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.



(150) OCONTO ELECTRIC COOPERATIVE
V.162, P.391, DOC.157135 - PARCELS 40 & 41
V.346, P.384, DOC.256674 - PARCEL 42

(151) CENTURYLINK
V.687, P.287, DOC.438910 - PARCEL 40
V.687, P.289, DOC.438911 - PARCEL 41

TLE STATION & OFFSET TABLE

T901	264+33.45	38.27'
T902	263+74.09	38.16'
T903	263+74.19	33.16'
T904	271+75.00	49.69'
T905	271+75.00	59.69'
T906	272+25.00	59.74'
T907	272+25.00	49.74'

R/W STATION & OFFSET TABLE

950	266+87.51	48.78'
951	265+61.86	48.53'
952	265+53.21	43.51'
953	264+60.74	43.33'
954	264+52.09	38.31'
955	264+33.45	38.27'
956	264+33.55	33.27'
957	265+99.41	33.61'

R/W COURSE TABLE

950-951	S88°58'16"W	125.65'
951-952	N61°01'44"W	10.00'
952-953	S88°58'16"W	92.46'
953-954	N61°01'44"W	10.00'
954-955	S88°58'16"W	18.64'
955-956	N0°55'53"W	5.00'
956-957	N88°58'16"E	165.93'
957-950	S81°22'10"E	89.40'



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
150	OCONTO ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
151	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
40	CHRISTOPHER S. CALDIE & RANDY D. CALDIE	FEE	0.020	---	0.020	---	---
41	MICHAEL L. BOOTH	FEE,TLE	0.036	---	0.036	---	0.007
42	CRAIG J. GARFIELD & THE ESTATE OF LYNN GARFIELD	TLE	---	---	---	---	0.011

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 2 OF TRANSPORTATION PROJECT PLATS, PAGE 62, AS DOCUMENT NO. 687020 FOR ADDITIONAL INFORMATION.

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9180-22-21-4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Francis R Thousand — 7-15-2015 (DATE)
FRANCIS R. THOUSAND, AGENT OF OTIE
REGISTRATION NUMBER: 1363

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

Curt Van Erem — 7-27-2015 (DATE)
CURT VAN EREM

FILE NAME : P:\2013 PROJECTS\2013098 - STH 22 PLAT (9180-22-00 PLAT)\AUTOCAD\PLAT\040109_RP.DWG PLOT DATE : 7/15/2015 11:16 AM PLOT BY : BERNARD GEHRMANN PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 7-15-2015

---------- 9180-22-21 4.09

50+70 LT.
RECONSTRUCT ASPHALT P.E.
REPLACE 18-IN PIPE CULVERT

53+00 LT.
RECONSTRUCT ASPHALT P.E.
REPLACE 18-IN PIPE CULVERT

65+50 SAWCUT
MATCH EXISTING

64+00 LT.
RECONSTRUCT ASPHALT P.E.

65+10 LT.
RECONSTRUCT ASPHALT P.E.

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
619	82+33	RR SPIKE IN PPOL *A10	51' LT.	722.48
618	83+21	CHISELED SQUARE ON TOP OF 24 IN. SQUASHED RCCP	39' RT.	720.66

STA. 67+63.40 BK. =
STA. 67+65.15 AH.
EQUATION

64+00 SAWCUT
MATCH EXISTING

CAUTION

NORBERT & MARIAN MARKS

PI: 66+67.38

CHESTNUT ROAD 65

EXISTING R/W

STH 22

REA ROAD 65

TLE

RANDY & JULIE KALLIES

67+63.07 STH 22
70+00 REA RD

67+65.15

DONALD & TAMI KOEBACH

SLOPE INTERCEPT

68+00
END GRAVEL LIFT
START MILL,OVERLAY

STA BACK = 67+63.40
STA AHEAD = 67+65.15

42" CPRC
TO REMAIN

1 - 36" CPRC REQ'D.
INLET EL.. = 719.20
52+75, 66' LT.
DISCHARGE EL. = 718.40
52+75, 30.5' RT.

LYLE WOLFF ET AL

50+21.96 STH 22 =
60+00 CHESTNUT RD

PC: 49+88.65

BEGIN PROJECT
STA 50+00

49+25 SAWCUT
MATCH EXISTING

STA. 49+25
TIE INTO EXISTING
ASPHALT
PROJECT 9180-19-71

48+32.90

N 14° 55' 04" E

ALAN & RITA GARBRECHT

THE EMMA SCHULTZ REV TRUST

BAY LAKES COMPANIES, LLC

JERRY & SUSAN WINTER

LYLE & LILA WOLFF TRUSTEE

S 89° 21' 05" E

EXISTING R/W

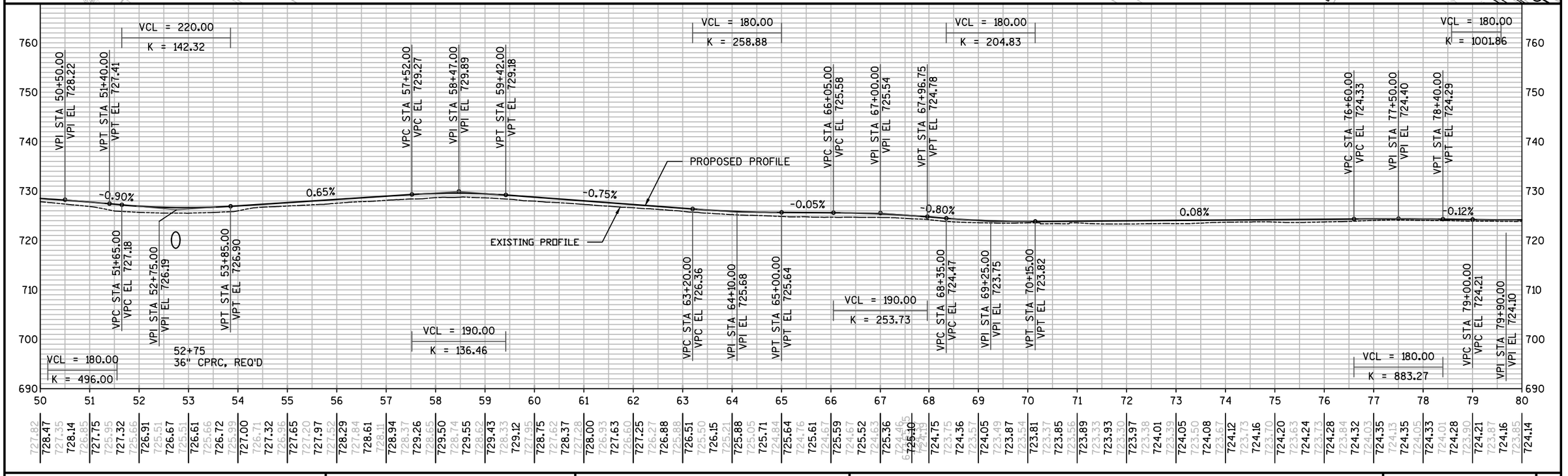
STH 22
CURVE NOTES

PI	= 61+09.54
	Y = 178,359.749
	X = 541,019.304
∠	= 268°-43'-50"
Δ	= 88°43'50"
D	= 5°00'
T	= 1,120.89'
L	= 11,774.74'
R	= 1,146.00'
PC STA	= 49+88.65
PC STA	= 67+65.15
SE	= 0.051'/'
RO	= 44'
SE TRANSITION	= 113'

57+50 RT.
RECONSTRUCT BAD F.E.

72+90 RT.
RECONSTRUCT BAD P.E.

75+50 RT.
RECONSTRUCT BAD P.E.



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: STH 22	SHEET 91 E

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
619	82+33	RR SPIKE IN PPOL *A10	51' LT.	722.48
618	83+21	CHISELED SQUARE ON TOP OF 24 IN. SQUASHED RCCP	39' RT.	720.66

76+80 LT.
RECONSTRUCT BAD P.E.

79+60 LT.
RECONSTRUCT BAD P.E.

93+20 LT.
RECONSTRUCT BAD P.E.

N

STA. 67+63.40 BK. = EQUATION
STA. 67+65.15 AH.

RANDY & JULIE KALLIES

67+63.07 STH 22 = 70+00 REA RD

DONALD & TAMI KOEBACH

EXISTING 42" CPRC TO REMAIN

STA BACK = 67+63.40
STA AHEAD = 67+65.15

68+00
END GRAVEL LIFT
START MILL, OVERLAY

THE EMMA SCHULTZ REV TRUST

BAY LAKES COMPANIES, LLC

SLOPE INTERCEPT

EDWARD HOLTGER

JERRY & SUSAN WINTER

LYLE & LILA WOLFF TRUSTEES

PRC 81+19.21

22+50 SAWCUT MATCH EXISTING

DEAN MCLEOD

TLE

82+68.96 STH 22 = 20+00 CTH I

RC: 85+81.58

87+00
END MILL, OVERLAY
START GRAVEL LIFT, OVERLAY

DEAN MCLEOD

SLOPE INTERCEPT

PT: 90+79.08

EXISTING R/W

THE EMMA SCHULTZ REV TRUST

1- 30" CPRC REQ'D.
INLET EL. 718.28
83+22, 37.3' LT.
DISCHARGE EL. = 718.22
83+22, 41.5' RT.

BRADLEY & STACEY SWENTY

18+00 SAWCUT MATCH EXISTING

STEVEN & PAMELA VERBRUGGEN

TROY & STACEY GABRIEL

SLOPE INTERCEPT

RAYMOND AND CHIQUE TABAR

STH 22
CURVE NOTES
PI STA = 88+30.34
Y = 178,323.684
X = 544,205.176
∠ = 178°-45'-22"
Δ = 1°14'38"
D = 0°15'00"
T = 248.76'
L = 497.50'
R = 22918.32'
PC STA = 85+81.58
PT STA = 90+79.08
SE = NC

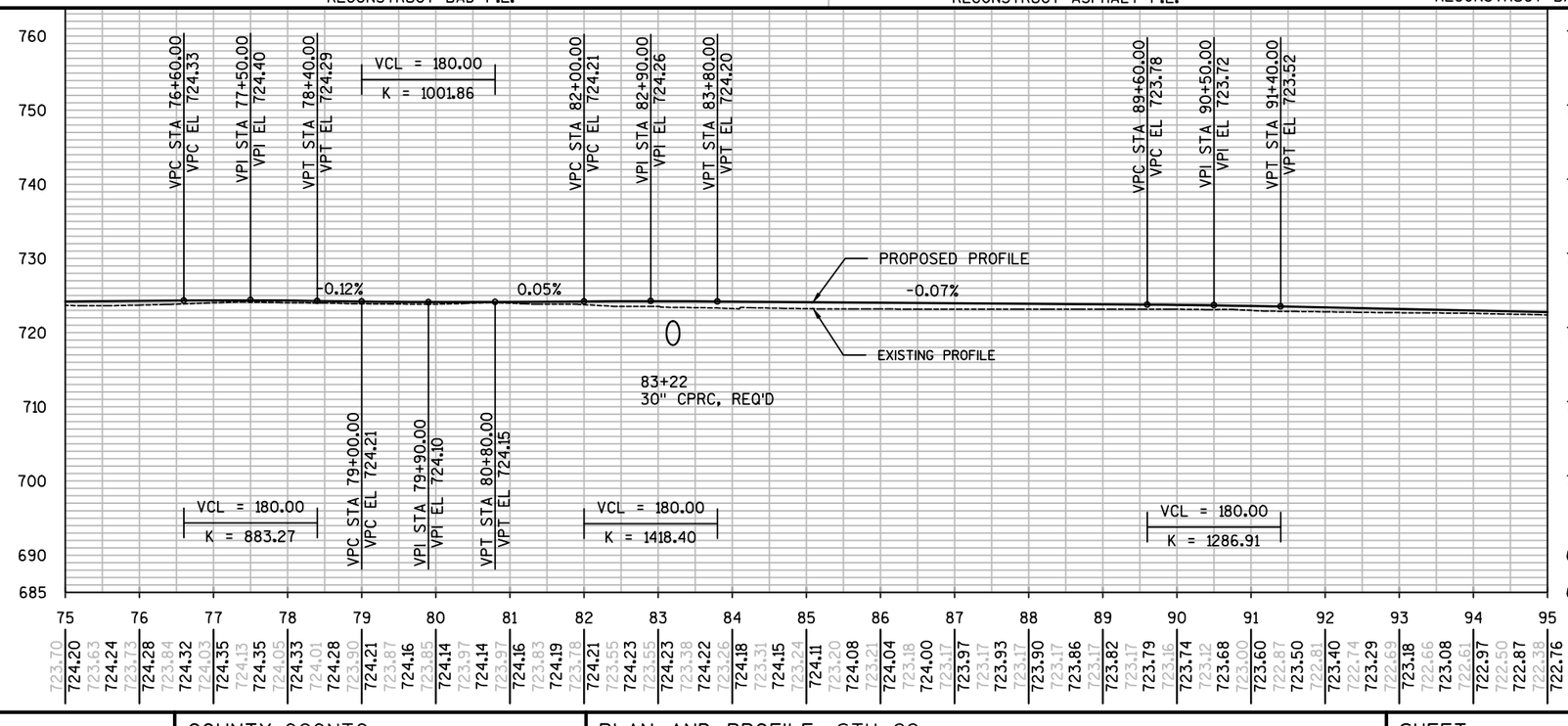
S 89° 21' 05" E

N 89° 24' 17" E

75+50 RT.
RECONSTRUCT BAD P.E.

90+70 RT.
RECONSTRUCT ASPHALT P.E.

94+00 RT.
RECONSTRUCT BAD P.E.



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: STH 22	SHEET 92	E

FILE NAME : N:\PDS\C3D\91802200\SHEETSPLAN\050140-PP.DWG
LAYOUT NAME - 050140-PP VF 40

PLOT DATE : 5/18/2016 3:34 PM PLOT BY : NELSON, PATTI M PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

97+90 LT.
RECONSTRUCT BAD P.E.

100+30 LT.
RECONSTRUCT BAD P.E.

101+90 LT.
RECONSTRUCT BAD P.E.

105+70 LT.
RECONSTRUCT ASPHALT P.E.

109+00 LT.
RECONSTRUCT ASPHALT P.E.
REPLACE 18-INCH PIPE CULVERT

118+06 LT.
RECONSTRUCT ASPHALT P.E.
REPLACE 18-INCH PIPE CULVERT

124+70 LT.
RECONSTRUCT BAD P.E.

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
617	101+63	RR SPIKE IN PPOL *A18	51' LT.	720.20

N

P.L.

JAMES POCIOPA

KAREN & JOEL FRAMNES

RUTH MARIE MEVERDEN

DUANE & TERESA ROGATZKI

106+50
END GRAVEL LIFT, OVERLAY
START MILL, OVERLAY

GENE DEPREY,JR.

SLOPE INTERCEPT

CAUTION

C-42-108
BOX CULVERT
16' X 5' X 85'

ROBERT & SUSAN DAMP

REMOVE EXISTING BEAM GUARD
STH 22, LT

RANDALL & CATHY MCKEEFRY

TLE

PRW

EXISTING R/W

95 100 105 110 115 120 125

STH 22

N 89° 24' 17" E

RAYMOND AND CHIQUE TABAR

ALL SEASONS MINI STORAGE, LLC

DRIVEWAY TO BE RELOCATED BY PERMIT

TIMOTHY WIRHANOWICZ & STEPHANIE GERNDT

ALLAN MURPHY

SLOPE INTERCEPT

REMOVE EXISTING BEAM GUARD
STH 22, RT

REMOVE EXISTING
STRUCTURE
CONCRETE BOX CULVERT
42' OVERALL LENGTH
16' OVERALL WIDTH

106+50 MILL, OVERLAY LT & RT
121+15
START MILL, OVERLAY AT CURB AND GUTTER, RT
123+80
END CURB AND GUTTER RT
MILL, OVERLAY
START MILL, OVERLAY LT & RT
125+00 END MILL, OVERLAY
START GRAVEL LIFT, OVERLAY

CRAIG GARFIELD

99+50 RT.
RECONSTRUCT BAD P.E.

104+60 RT.
RECONSTRUCT BAD F.E.

106+50 RT.
RECONSTRUCT BAD P.E.

107+25 RT.
RECONSTRUCT BAD P.E.

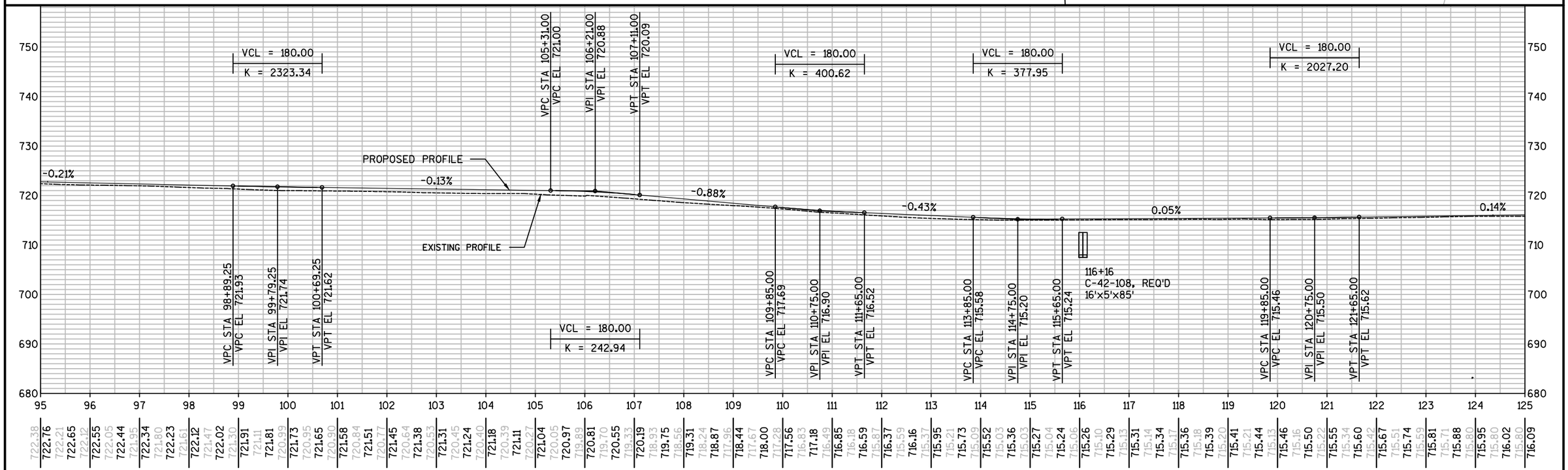
120+00 RT.
RECONSTRUCT BAD F.E.

120+75 RT.
RECONSTRUCT ASPHALT P.E.

123+40 RT.
RECONSTRUCT ASPHALT P.E.
EXISITNG 18-INCH PIPE CULVERT
TO REMAIN

5

5



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: STH 22	SHEET 93	E

FILE NAME : N:\PDS\C3D\91802200\SHEETSPLAN\050141-PP.DWG
LAYOUT NAME - 050141-PP VF 41

PLOT DATE : 6/3/2016 4:55 PM PLOT BY : NELSON, PATTI M PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

135+50 LT.
RECONSTRUCT BAD P.E.

137+50 LT.
RECONSTRUCT BAD P.E.

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
616	128+83	RR SPIKE IN PPOL *A29	51' LT.	717.64
615	155+43	RR SPIKE IN PPOL *A41	51' LT.	712.02

N

P.L.

RANDALL & CATHY MCKEEFRY

125+00
END MILL, OVERLAY
START GRAVEL LIFT, OVERLAY

JAMES MOYNIHAN

JEROME MOYNIHAN

JEROME MOYNIHAN

SLOPE INTERCEPT

TLE

PI: 134+96.40

EXISTING R/W

STH 22

N 89° 24' 17" E

N 89° 27' 38" E

EXISTING R/W

BRADLEY AND BRENDA RUPIPER

127+80 RT.
RECONSTRUCT BAD P.E.

JAMES & MARY BESCHTA

BRADLEY & BRENDA RUPIPER

SLOPE INTERCEPT

EXISTING 24" CPRC TO REMAIN

JEFF CHAMPEAU & POLLY CHAMPEAU, ½ INTEREST
JUSTIN CHAMPEAU, ½ INTEREST

EXISTING 36" CPRC TO REMAIN

JOSHUA CLARK

127+80 RT.
RECONSTRUCT BAD P.E.

131+60 RT.
RECONSTRUCT BAD P.E.

135+80 RT.
RECONSTRUCT BAD P.E.

148+30 RT.
RECONSTRUCT BAD F.E.

155+17 RT.
RECONSTRUCT ASPHALT P.E.
REPLACE 18" PIPE CULVERT

5

5

VCL = 180.00
K = 157.42

VPC STA 127+05.50
VPC EL 716.38

VPI STA 127+95.50
VPI EL 716.50

VPT STA 128+85.50
VPT EL 717.65

VPC STA 131+71.00
VPC EL 721.31

VPI STA 133+96.00
VPI EL 724.20

VPT STA 136+21.00
VPT EL 723.13

PROPOSED PROFILE

EXISTING PROFILE

1.28%

-0.48%

VCL = 450.00
K = 255.87

VPC STA 151+17.00
VPC EL 716.00

VPI STA 152+07.00
VPI EL 715.57

VPT STA 152+97.00
VPT EL 714.90

VCL = 180.00
K = 655.14

750 740 730 720 710 700 690 680

125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155

| | | | |

158+94 LT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

160+42 LT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

160+90 LT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

163+05 LT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

164+92 LT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

166+73 LT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

170+80 LT.
RECONSTRUCT BAD P.E.

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
615	155+43	RR SPIKE IN PPOL *A41	51' LT.	712.02
614	27+64 LARSON LN	RR SPIKE IN PPOL *A-52-1	51' LT.	703.78
613	180+76	RR SPIKE IN PPOL *A-52-1	51' LT.	701.09

CHESTER & BARBARA KONITZER

WADE & KRISTINA JESKE

JAMIE & AMY MEUNIER

CHESTER & BARBARA KONITZER

JAY KONITZER

CHESTER & BARBARA KONITZER

DONALD KONITZER

SLOPE INTERCEPT

174+14 END MILL, OVERLAY
175+98 START GRAVEL LIFT, OVERLAY
176+16 END GRAVEL LIFT, OVERLAY
181+00 START GRAVEL LIFT, OVERLAY

175+98 END FROST HEAVE

1- 36" CPRC REQ'D.
INLET EL. = 700.67
180+80, 31' RT.
DISCHARGE EL. = 700.53
179+36, 31' RT.

TLE

EXISTING R/W

STH 22

N 89° 27' 38" E

EXISTING R/W

FO

155 160 165 170 175 180 185

JOSHUA CLARK

THOMAS & JO ANN USIAK

162+50
END GRAVEL LIFT, OVERLAY
START MILL, OVERLAY

SLOPE INTERCEPT

NEIL LANGLAY

174+14 START FROST HEAVE

FROST HEAVE AT 175+06
SEE TYPICAL SECTION

BRADLEY LANGLAY

180+38.79 STH 22 =
30+00 LARSON LN

ROBERT FUSEK & CHRIS FUSEK

TLE

1- 38"X60" CPRCHE REQ'D.
INLET EL. 698.5
175+06, 32.0' LT.
DISCHARGE EL. = 698.3
175+06, 31.0' RT.

28+00
SAWCUT
MATCH EXISTING

IP

MICHAEL FUSEK

LARSON LANE (D)

159+00 RT.
RECONSTRUCT BAD P.E.

5

5

VCL = 180.00
K = 497.28

VPC STA 160+12.00
VPC EL 709.97

VPI STA 161+02.00
VPI EL 709.62

VPT STA 161+92.00
VPT EL 708.76

VCL = 180.00
K = 233.91

VCL = 180.00
K = 2647.91

VCL = 180.00
K = 1198.38

PROPOSED PROFILE

EXISITNG PROFILE

-0.75%
-0.39%
-0.95%
-0.18%
-0.12%
0.03%

VPC STA 157+99.00
VPC EL 711.13

VPI STA 158+89.00
VPI EL 710.45

VPT STA 159+79.00
VPT EL 710.10

VCL = 180.00
K = 318.68

VPC STA 163+10.00
VPC EL 707.64

VPI STA 164+00.00
VPI EL 706.78

VPT STA 164+90.00
VPT EL 706.61

VPC STA 169+10.00
VPC EL 705.84

VPI STA 170+00.00
VPI EL 705.67

VPT STA 170+90.00
VPT EL 705.57

VPC STA 174+85.00
VPC EL 705.10

VPI STA 175+75.00
VPI EL 705.00

VPT STA 176+65.00
VPT EL 705.03

175+06
38" x 60' CPRCHE, REQ'D

740 730 720 710 700 690 680 670

155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185

| | | | |

187+55 LT.
RECONSTRUCT BAD P.E.

192+80 LT.
RECONSTRUCT ASPHALT P.E.

198+30 LT.
RECONSTRUCT BAD P.E.

203+10 LT.
RECONSTRUCT BAD P.E.

204+50 LT.
RECONSTRUCT BAD P.E.

206+40 LT.
RECONSTRUCT BAD P.E.

208+40 LT.
RECONSTRUCT BAD P.E.

214+90 LT.
RECONSTRUCT BAD P.E.

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
612	206+70	RR SPIKE IN PP0L *A64	51' LT.	717.64
611	207+00	RR SPIKE IN PP0L	51' LT.	712.02

N

DONALD KONITZER

JEFFREY & SUSAN HEGEMAN

STEVE SWIM

JANE WELLNITZ

JEFFREY & SUSAN HEGEMAN

MARY JANE MONFORT

CARL & CHERYL ROWEL

BRUCE JESKE

203+80 END GRAVEL LIFT, OVERLAY
207+90 START GRAVEL LIFT
216+00 END GRAVEL LIFT
START MILL, OVERLAY

SLOPE INTERCEPTS

P.I. 205+80.50

EXISTING R/W

STH 22

N 89° 27' 38" E

N 89° 49' 13" E

TLE

TLE

TLE

TLE

TIMOTHY & ANN JAHNKE JOINT REVOCABLE TRUST

PETER & PATRICIA DESTARKEY

DICK & SHARON BOOTH

1- 24" CPRC REQ'D.
INLET EL. 699.0
196+58, 32.0' LT.
DISCHARGE EL. = 698.9
196+58, 31.0' RT.

MARK & BRENDA POSSLEY

203+80 - 207+90
CONCRETE CURB & GUTTER
4-INCH SLOPED, 36-INCH TYPE D

EXISTING FENCE TO REMAIN
GRADE WITH FENCE IN-PLACE

ROBIN STROM

SLOPE INTERCEPT

P.L.

187+55 RT.
RECONSTRUCT BAD P.E.

188+70 RT.
RECONSTRUCT BAD P.E.

193+80 RT.
RECONSTRUCT ASPHALT P.E.

204+30 RT.
RECONSTRUCT BAD P.E.

207+50 RT.
RECONSTRUCT BAD P.E.

213+50 RT.
RECONSTRUCT BAD P.E.

VPC STA 189+69.50
VPC EL 705.47

VPI STA 190+59.50
VPI EL 705.50

VPT STA 191+49.50
VPT EL 705.38

VCL = 180.00
K = 870.57

VPC STA 205+60.00
VPC EL 705.40

VPI STA 206+50.00
VPI EL 705.46

VPT STA 207+40.00
VPT EL 704.99

VPC STA 211+60.00
VPC EL 702.77

VPI STA 212+50.00
VPI EL 702.30

VPT STA 213+40.00
VPT EL 701.44

PROPOSED PROFILE

-0.14%

0.07%

-0.53%

-0.96%

EXISTING PROFILE

VPC STA 195+10.00
VPC EL 704.87

VPI STA 196+00.00
VPI EL 704.75

VPT STA 196+90.00
VPT EL 704.81

196+58
24" CPRC, REQ'D

VCL = 180.00
K = 1043.83

VCL = 180.00
K = 302.35

VCL = 180.00
K = 418.32

185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215
704.52	705.31	704.52	705.33	704.52	705.35	704.52	705.36	704.52	705.38	704.53	705.40	704.56	705.41	704.59	705.43	704.60	705.45	704.63	705.46	704.66	705.48	704.63	705.47	704.54	705.43	704.45	705.37	704.31	705.31	704.24	705.24	704.19	705.17	704.13	705.10	704.11	705.03	704.10	704.96	704.11	704.89	704.10	704.83	704.06	704.80	704.08	704.79	704.11	704.82	704.13	704.85	704.16	704.89	704.20	704.92	704.25	704.95	704.34	704.99	704.39	705.02	704.46	705.06	704.51	705.16	704.56	705.19	704.64	705.23	704.69	705.26	704.71	705.29	704.73	705.33	704.63	705.36	704.72	705.40	704.63	705.40	704.25	705.33	703.93	705.17	703.54	704.94	703.11	704.67	702.70	704.41	702.58	704.15	702.16	703.88	702.08	703.62	701.96	703.35	701.68	703.09	702.83	702.54	701.37	702.20	700.85	701.80	700.48	701.34	700.17	700.86	699.72	700.38	699.19	699.91

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: STH 22	SHEET 96	E

FILE NAME : N:\PDS\C3D\91802200\SHEETSPLAN\050144-PP.DWG
LAYOUT NAME - 050144-PP VF 44

PLOT DATE : 5/18/2016 3:49 PM PLOT BY : NELSON, PATTI M PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

214+90 LT.
RECONSTRUCT BAD P.E.

223+20 LT.
RECONSTRUCT BAD P.E.

227+90 LT.
RECONSTRUCT BAD F.E.

STH 22
CURVE NOTES

PI STA = 230+36.38
Y = 178,446.554
X = 558,410.662
∠ = 178°-58'-37"
Δ = 1°01'23"
D = 0°15'00"
T = 204.64'
L = 409.27'
R = 22,918.32
PC STA = 228+31.74
PT STA = 232+41.01
SE = NC

241+40 LT.
RECONSTRUCT BAD F.E.

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
610	235+08	RR SPIKE IN LIGHT POLE	49' LT.	685.48
609	235+27	RR SPIKE IN PPOL *A76	51' LT.	684.86

BRUCE JESKE

220+58 - 224+65
CONCRETE CURB & GUTTER
4-INCH SLOPED, 36-INCH TYPE D

KIRBY &
AUDREY JESKE

WADE JESKE

52+60
SAWCUT
MATCH EXISTING

YOUNGER ROAD

1- 30" CPRC REQ'D.
INLET EL. 682.89
234+41, 44.9' LT.
DISCHARGE EL. 682.51
235+25, 42.1' LT.

FIBER OPTIC LINE
BELOW YOUNGER ROAD NORTH
USE EXTREME CAUTION

CAUTION

ROY KOSKI

SLOPE INTERCEPT

P.I. STA 228+31.74

234+82.18 STH 22 =
50+00 YOUNG RD (N)

P.T. 232+41.01

EXISTING R/W

STH 22

N 89° 49' 13" E

N 88° 47' 49" E

216+00 END GRAVEL LIFT
START MILL, OVERLAY
220+58 END MILL, OVERLAY

EXISTING 24" CPRC
TO REMAIN

JAY
&
KAREN
HENNE

SLOPE INTERCEPT

BRUCE
JESKE

TLE

BRUCE JESKE
224+65 START MILL, OVERLAY
230+50 END MILL, OVERLAY
234+20 START MILL, OVERLAY
235+50 END MILL, OVERLAY
239+00 START MILL, OVERLAY

234+88.04 STH 22 =
40+00 YOUNG RD (S)

THOMAS & LINDA WITT

1- 30" CPRC REQ'D.
INLET EL. 680.64
239+82, 30' LT.
DISCHARGE EL. 680.55
239+82, 30' RT.

1- 30" CPRC REQ'D.
INLET EL. 682.98
234+42, 45.4' RT.
DISCHARGE EL. = 682.41
235+25, 43.3' RT.

DALE &
VIVIAN LANDT

37+65
SAWCUT
MATCH EXISTING

218+50 RT.
RECONSTRUCT BAD P.E.

223+30 RT.
RECONSTRUCT BAD P.E.

226+80 RT.
RECONSTRUCT ASPHALT P.E.

228+00 RT.
RECONSTRUCT BAD P.E.

230+00 RT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

VCL = 180.00
K = 512.42

VCL = 180.00
K = 1540.63

VCL = 180.00
K = 741.20

VCL = 180.00
K = 2398.09

PROPOSED PROFILE

EXISTING GROUND PROFILE

-0.61%

-0.49%

-0.25%

VPC STA 216+06.00
VPC EL 698.89

VPI STA 216+96.00
VPI EL 698.03

VPT STA 217+86.00
VPT EL 697.48

VPC STA 227+39.50
VPC EL 691.70

VPI STA 228+29.50
VPI EL 691.16

VPT STA 229+19.50
VPT EL 690.72

VPC STA 236+60.00
VPC EL 687.09

VPI STA 237+50.00
VPI EL 686.65

VPT STA 238+40.00
VPT EL 686.43

239+82
30" CPRC, REQ'D

VPC STA 244+10.00
VPC EL 685.02

VPI STA 245+00.00
VPI EL 684.80

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: STH 22	SHEET 97 E

256+40 LT.
RECONSTRUCT ASPHALT P.E.

262+90 LT.
RECONSTRUCT BAD P.E.

267+90 LT.
RECONSTRUCT BAD P.E.

272+00 LT.
RECONSTRUCT BAD P.E.

BENCH MARKS				
NO	STATION	DISCRIPTION	OFFSET	ELEV.
608	248+36	CHISELED SQUARE SW ABUTMENT OF BOX CULVERT	27' RT.	679.09
607	260+10	RR SPIKE IN PPOL *A86	46' RT.	691.40
606	236+00	RR SPIKE IN PPOL *86A	51' LT.	685.60

N

GERALD HERALD & PAUL DUMAS

MERNE GILLES

RANDY HESSIL

RANDY HESSIL, MICHELLE GARFIELD, KATHRYN VORPAHL & JENNIFER BELONGIA

CRAIG GARFIELD & THE ESTATE OF LYNN GARFIELD

CAUTION

REMOVE EXISTING BEAM GUARD
STH 22, LT

C-42-109
BOX CULVERT
12' x 7.5' x 122'

SLOPE INTERCEPT

TLE
R/W

FO

EXISTING R/W

PI: 259+41.16

STH 22

N 88° 47' 49" E

N 88° 51' 23" E

245 250 255 260 265 270 273

REMOVE EXISTING BEAM GUARD
STH 22, RT

BRUCE JESKE

RICHARD & ROSEMARY MESSENGER

248+00 END MILL, OVERLAY
START GRAVEL LIFT, OVERLAY
260+45 END GRAVEL LIFT, OVERLAY
267+00 START GRAVEL LIFT, OVERLAY TO END PROJECT

REMOVE EXISTING STRUCTURE
CONCRETE BOX CULVERT
49' OVERALL LENGTH
12' OVERALL WIDTH

ALLAN & JOAN WILLIQUETTE

260+45 - 267+00
CONRETE CURB & GUTTER
4-INCH SLOPED, 36 INCH TYPE D

MICHAEL BOOTH

1 - 36" CPRC REQ'D.
INLET EL. 674.7
268+25, 30.0' LT.
DISCHARGE EL. - 674.60
268+25, 30.0' RT.

RANDY CALDIE

END CONSTRUCTION
STA 272+79.86

CHRISTOPHER CALDIE

JONATHAN E. VANARK & JENNIFER A. GROH

245+90 RT.
RECONSTRUCT BAD P.E.

246+90 RT.
RECONSTRUCT BAD P.E.
REPLACE 18-IN PIPE CULVERT

250+20 RT.
RECONSTRUCT BAD P.E.

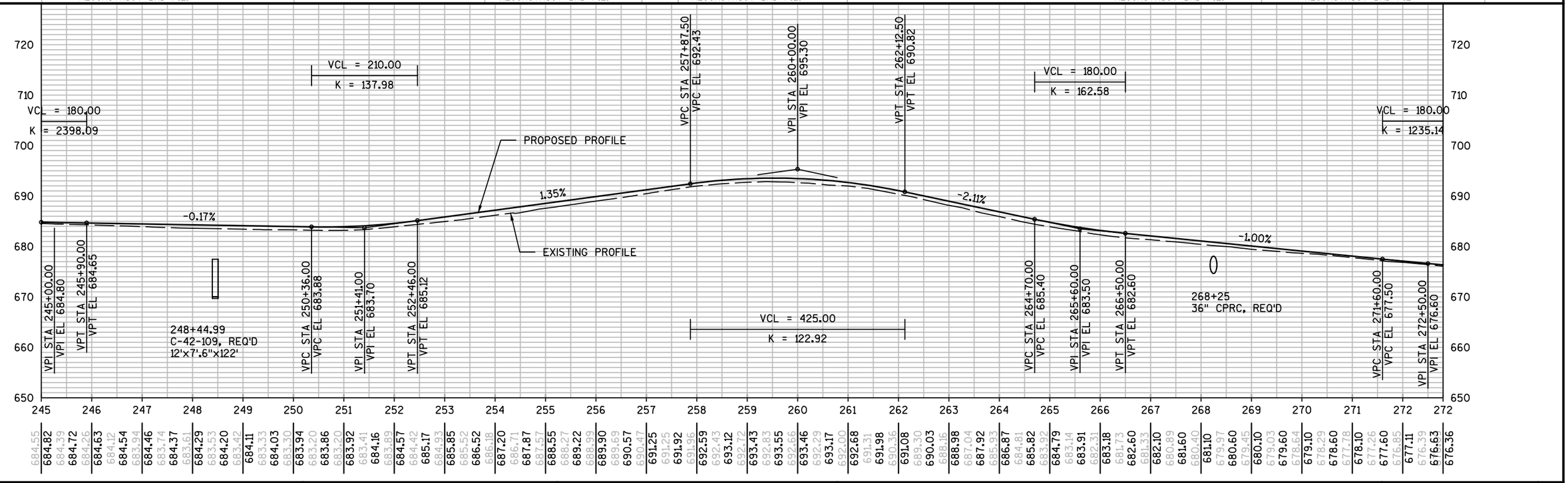
255+40 RT.
RECONSTRUCT BAD P.E.

260+80 RT.
RECONSTRUCT ASPHALT P.E.

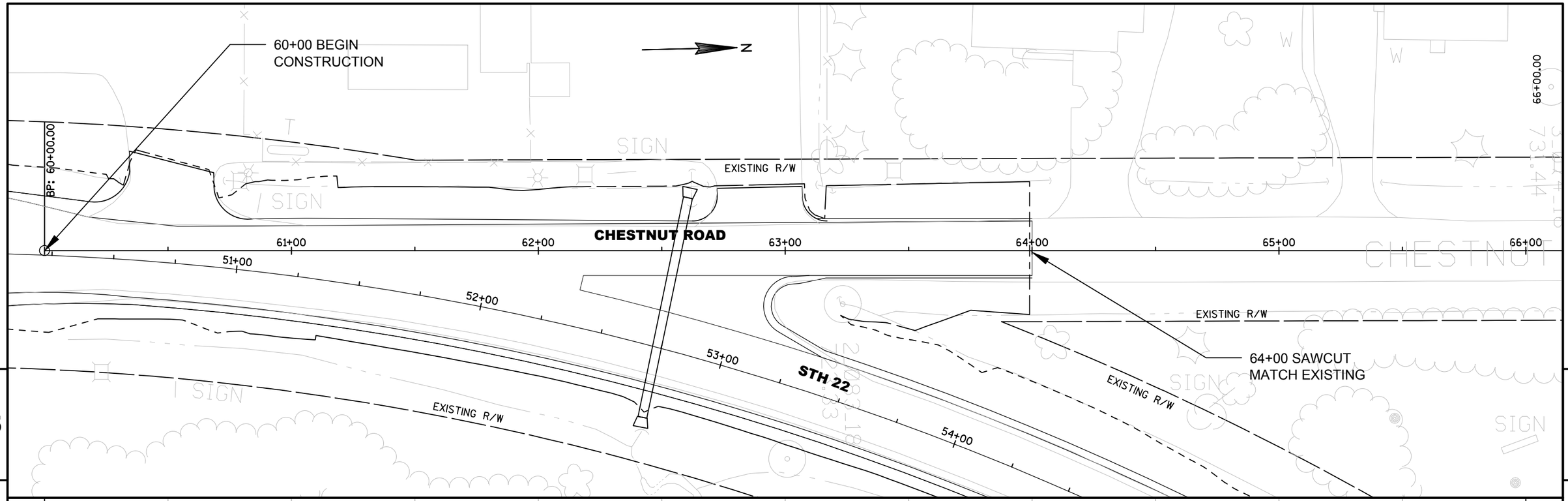
264+20 RT.
RECONSTRUCT BAD P.E.

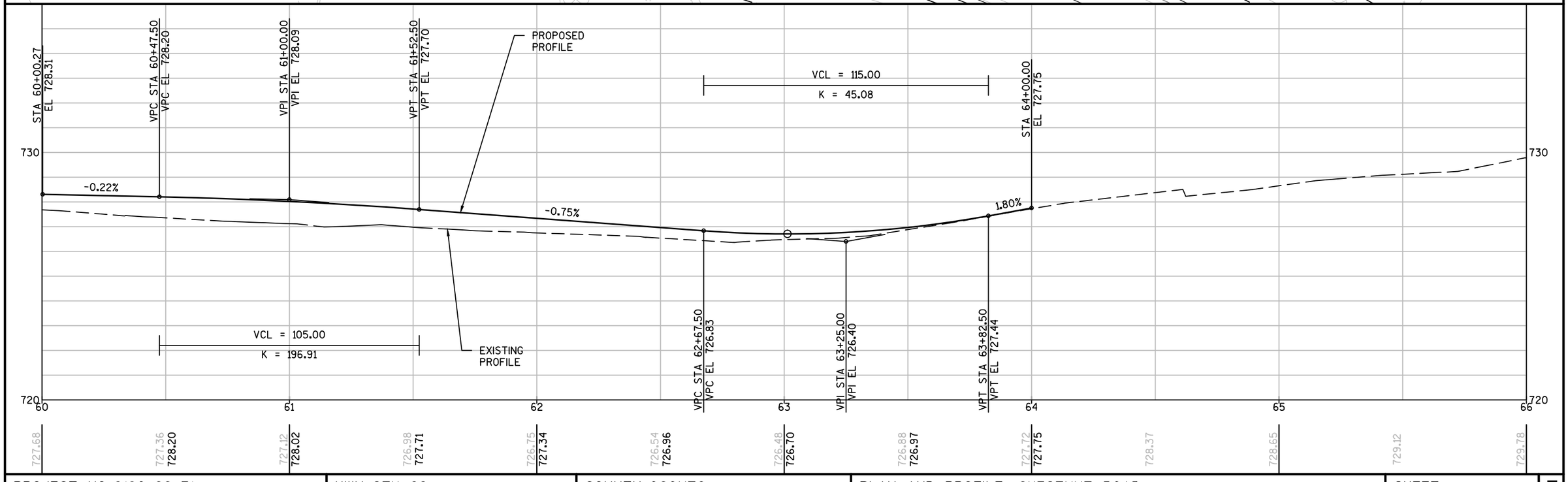
270+10 RT.
RECONSTRUCT BAD P.E

5

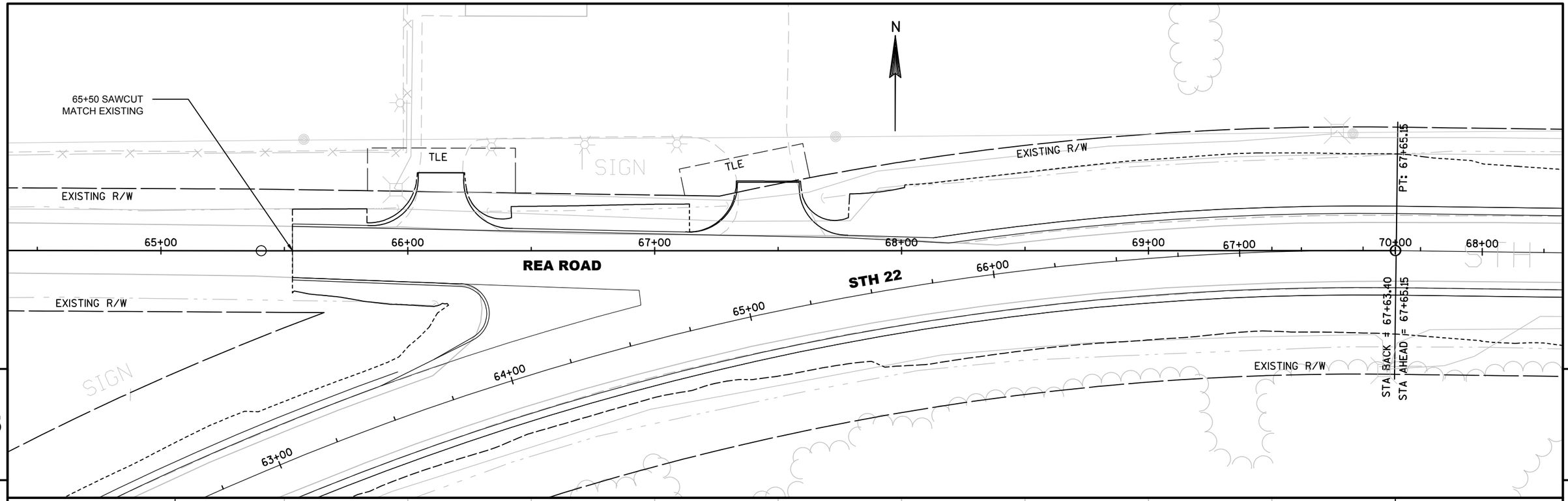


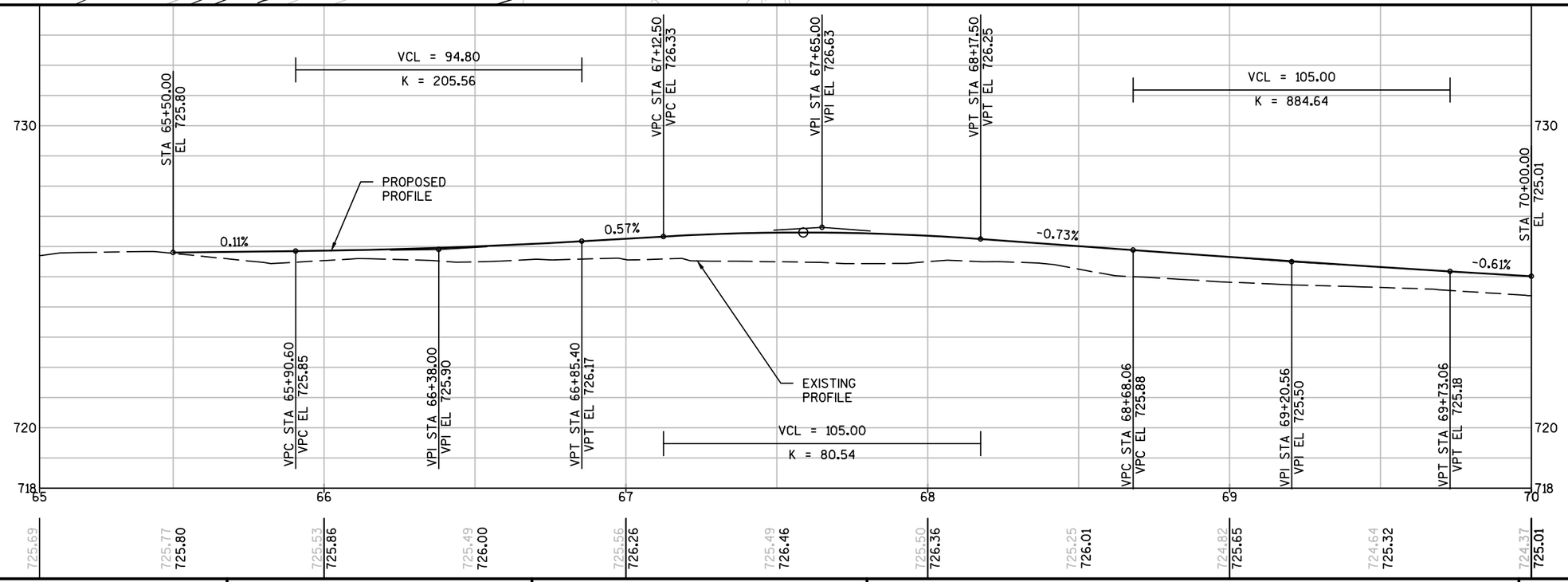
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: STH 22	SHEET 98	E



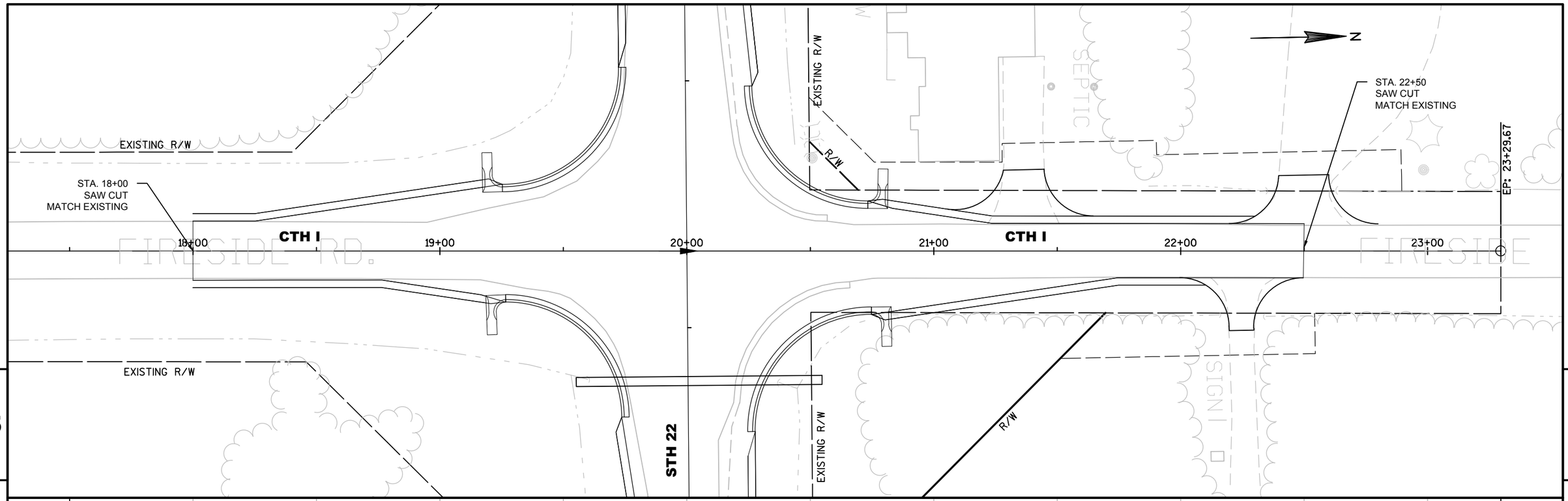


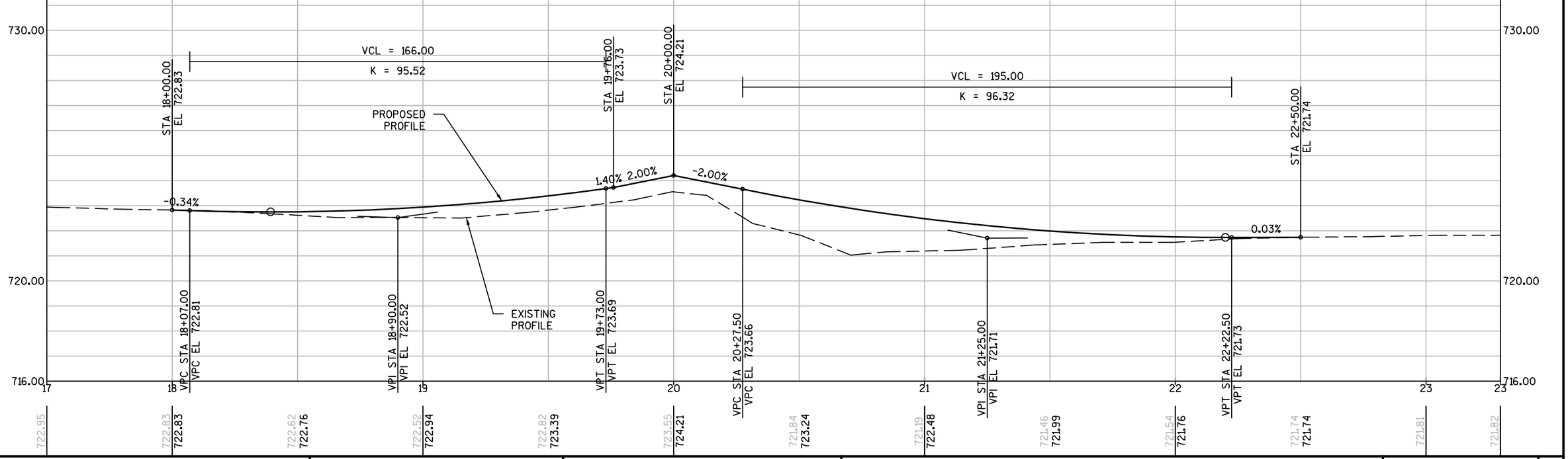
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: CHESTNUT ROAD	SHEET 99	E



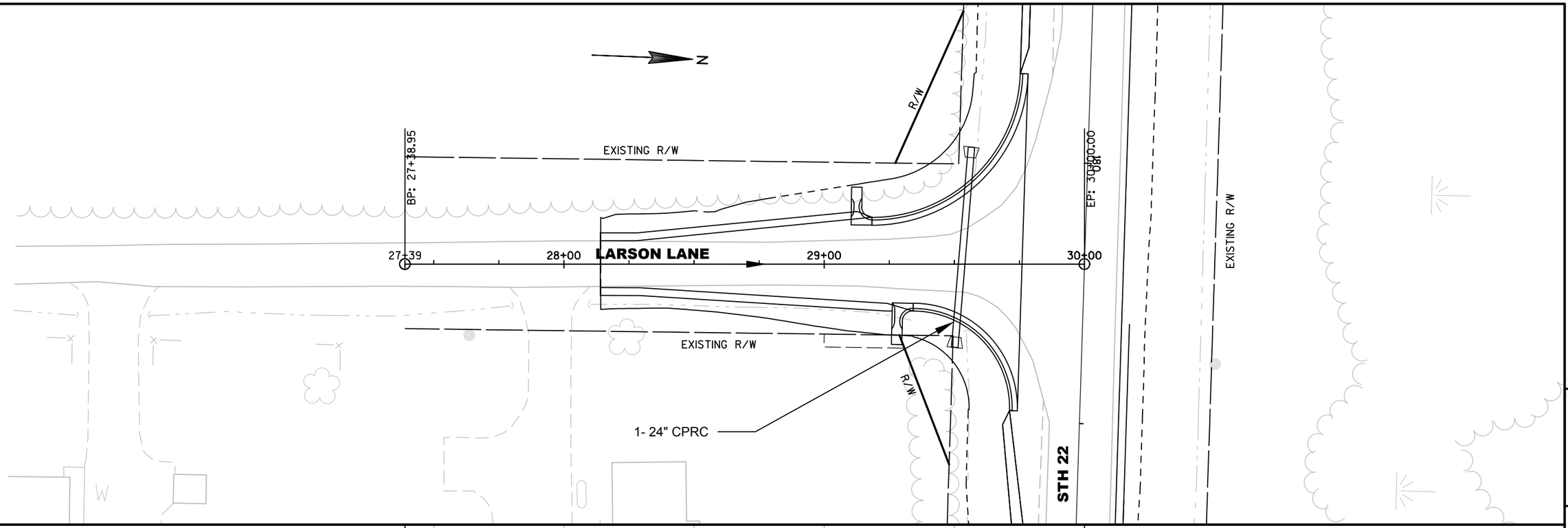


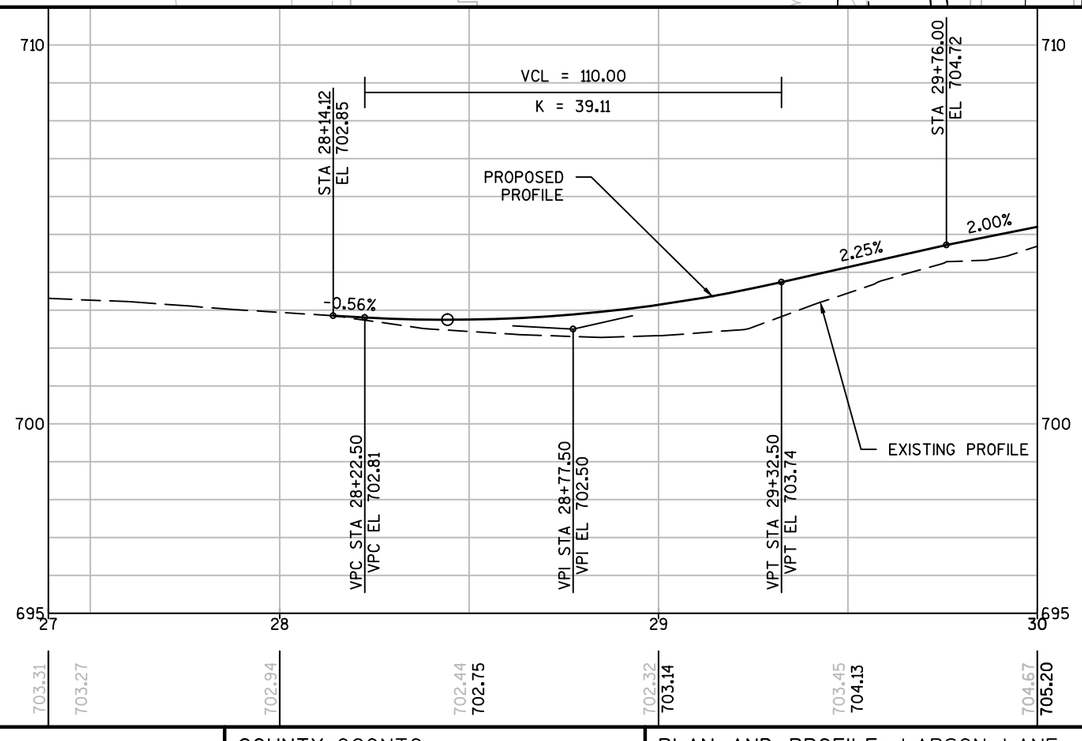
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: CHESTNUT ROAD	SHEET 100	E



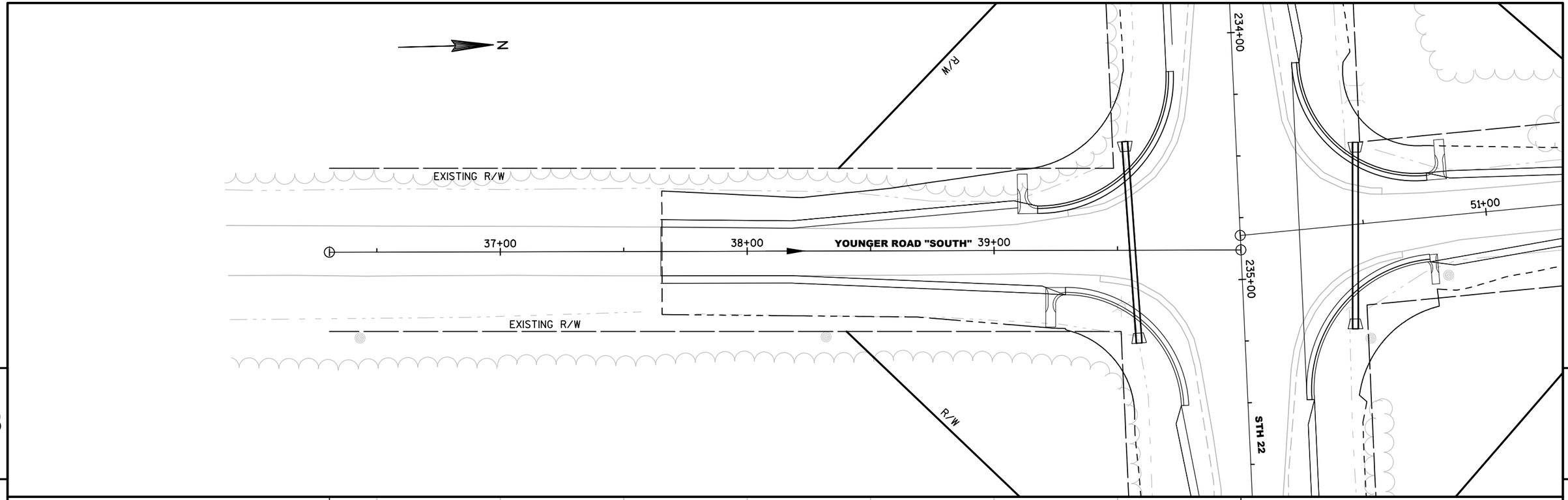


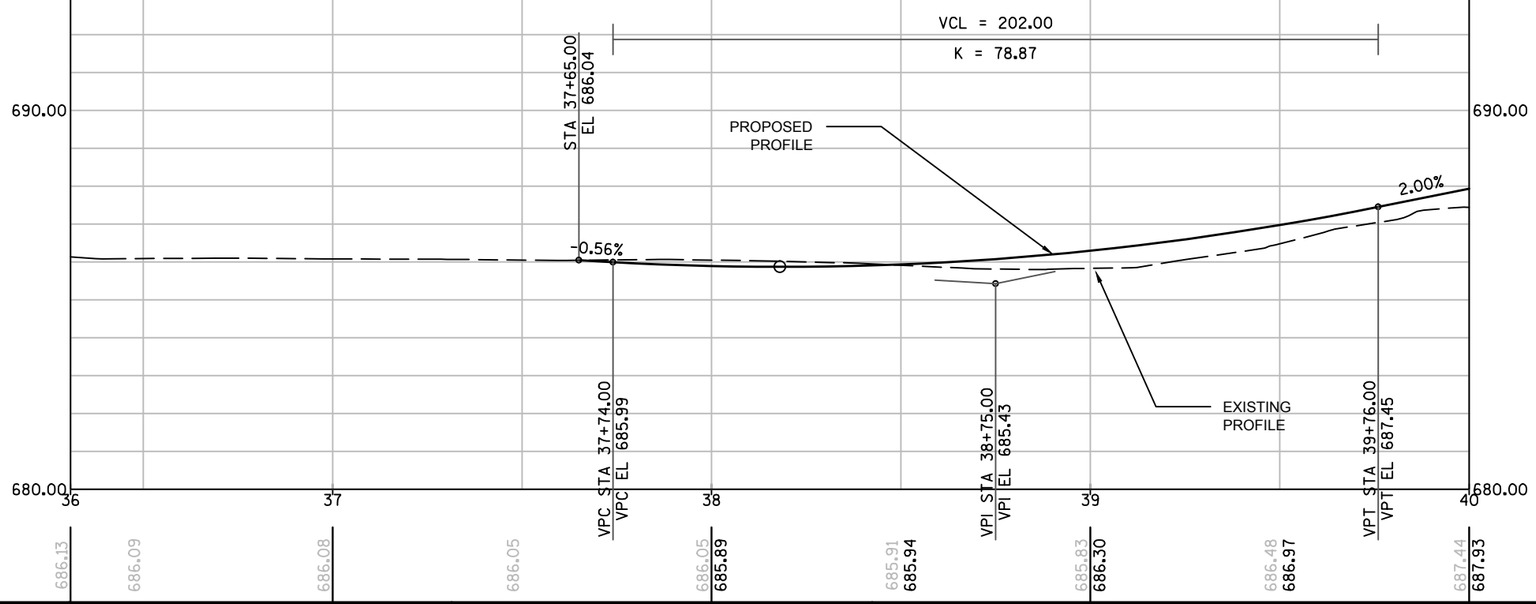
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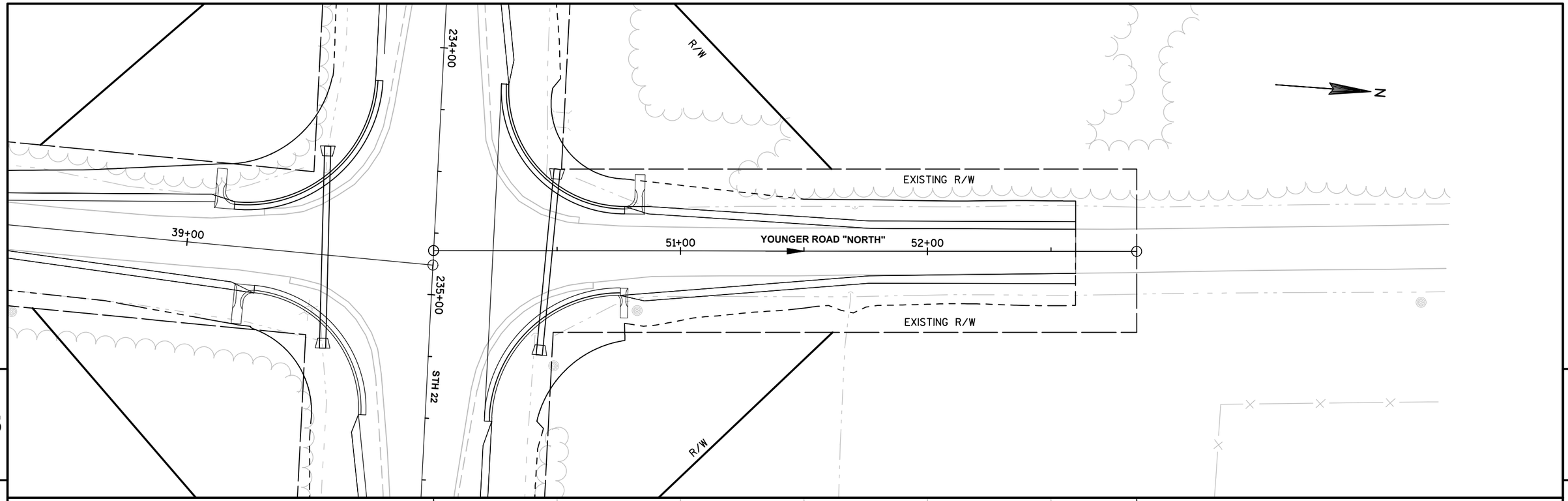


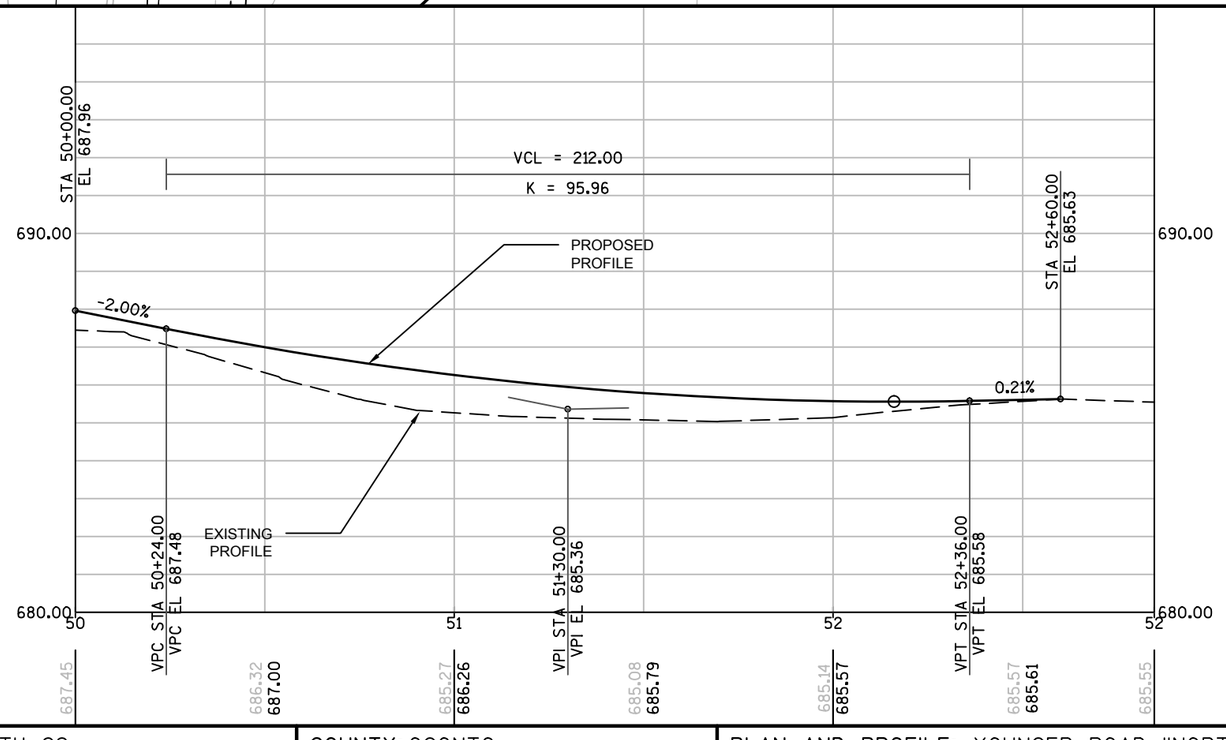
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: LARSON LANE	SHEET 102	E





PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: YOUNGER ROAD "SOUTH"	SHEET 103 E



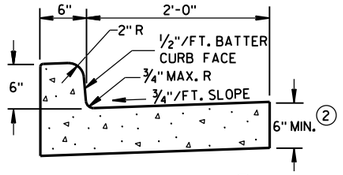


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	PLAN AND PROFILE: YOUNGER ROAD "NORTH"	SHEET 104	E

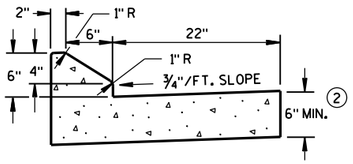
Standard Detail Drawing List

08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE FRAINS
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13A10-01B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

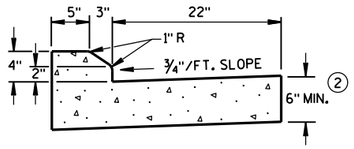
6



TYPES A & D ①

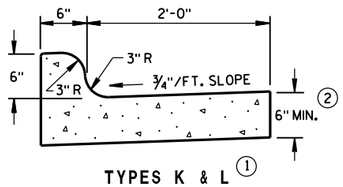


6" SLOPED CURB TYPES G & J ①

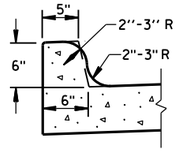


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

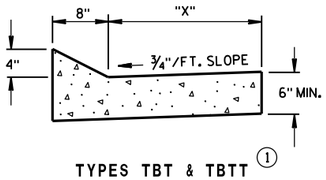


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

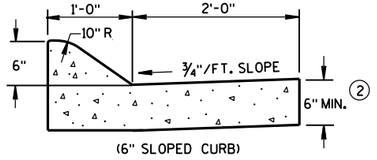
CONCRETE CURB & GUTTER 30"



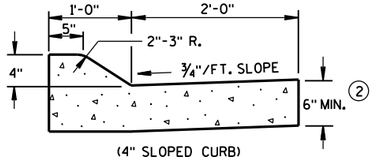
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

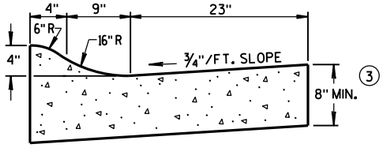


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

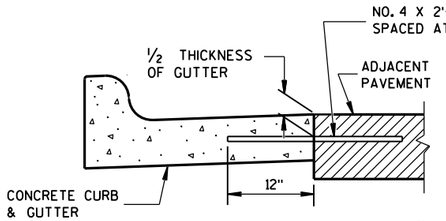
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

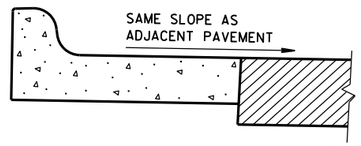
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

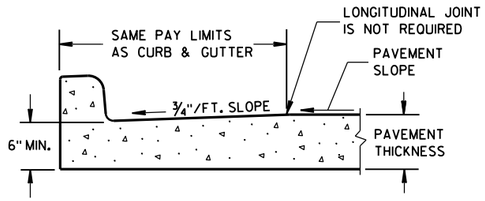
⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



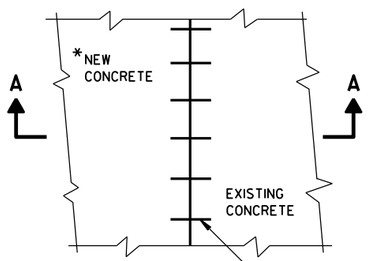
TYPICAL TIE BAR LOCATION ①



REVERSE SLOPE GUTTER ⑤
(TYPICAL FOR ALL CURB & GUTTER TYPES)

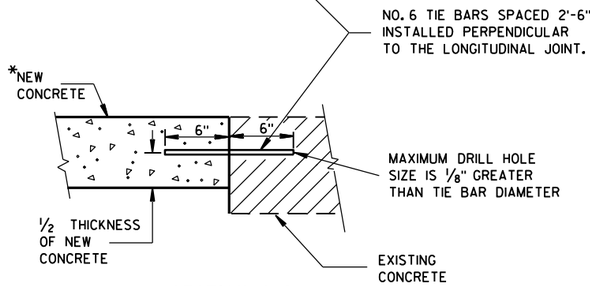


PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



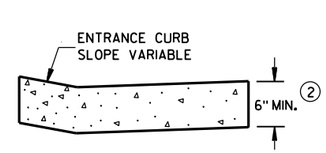
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

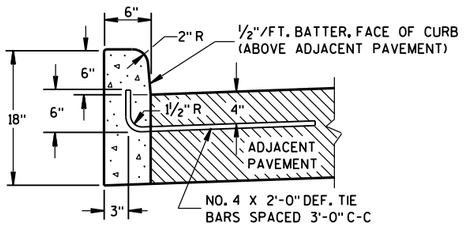


SECTION A-A

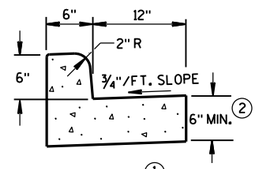
TIE BARS DRILLED
INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

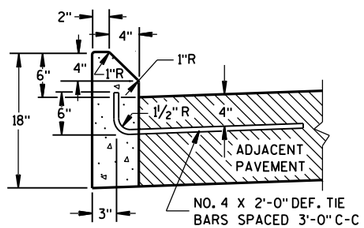


① TYPES A & D



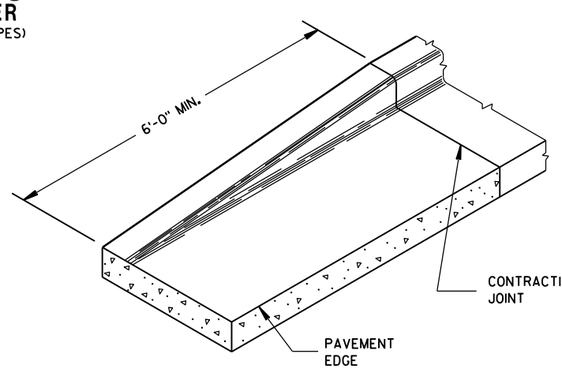
① TYPES A & D

CONCRETE CURB & GUTTER 18"



① TYPES G & J

CONCRETE CURB



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

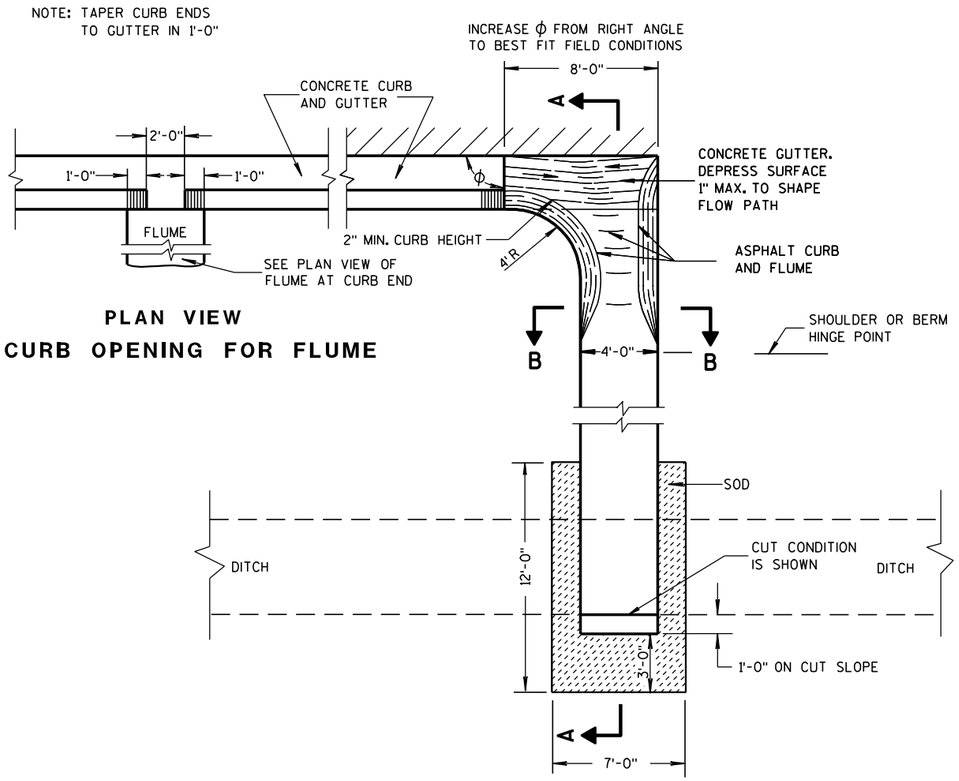
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

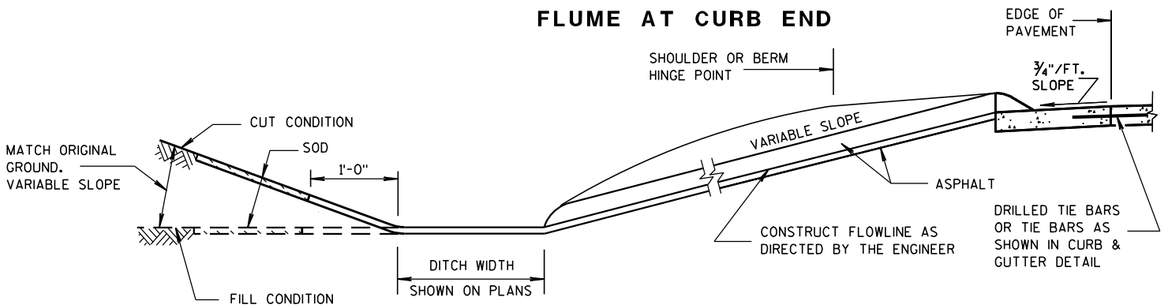
S.D.D. 8 D 1-18

ASPHALTIC FLUME

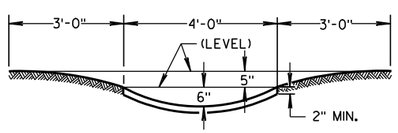


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

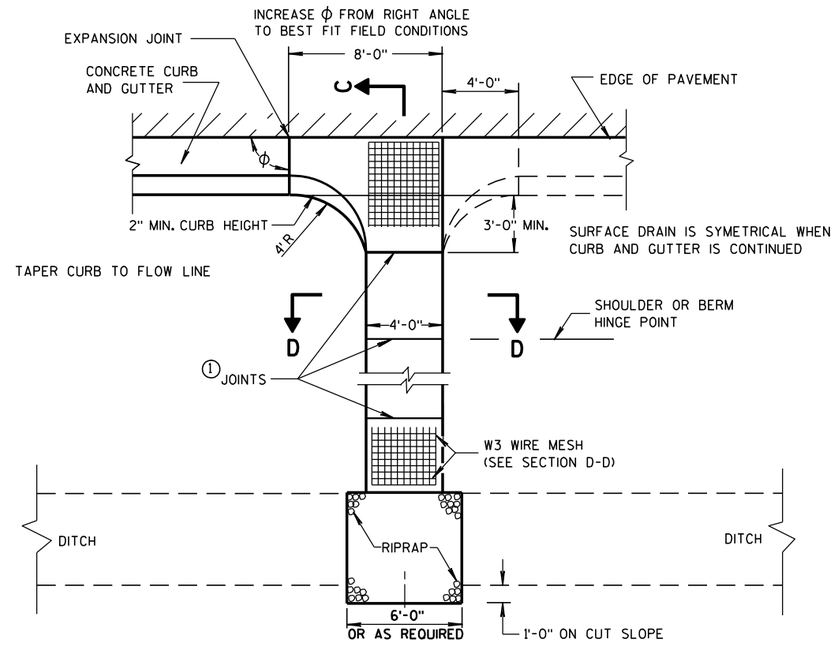
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

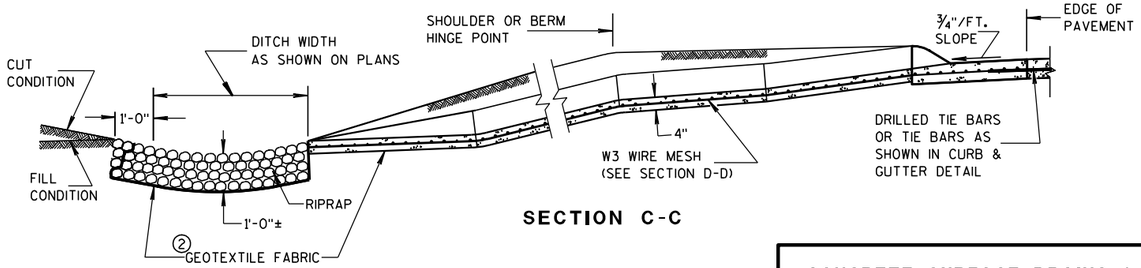
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

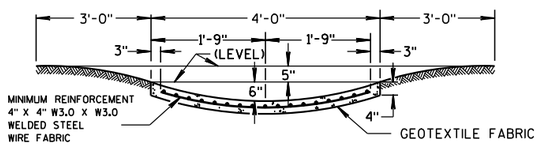
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT

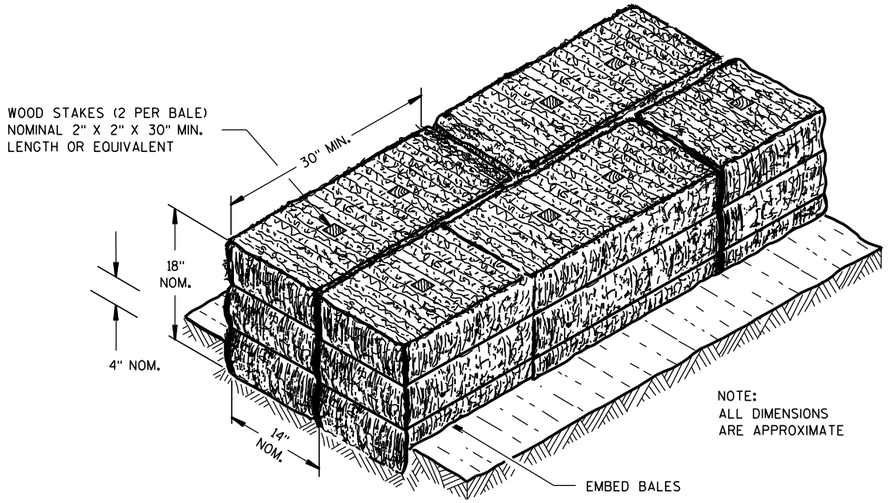
FHWA

6

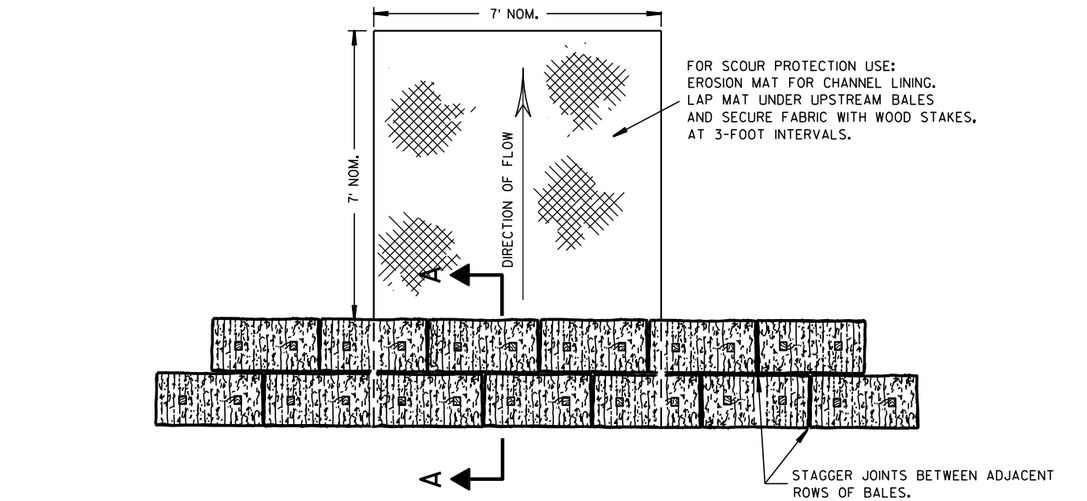
S.D.D. 8 D 4-5

6

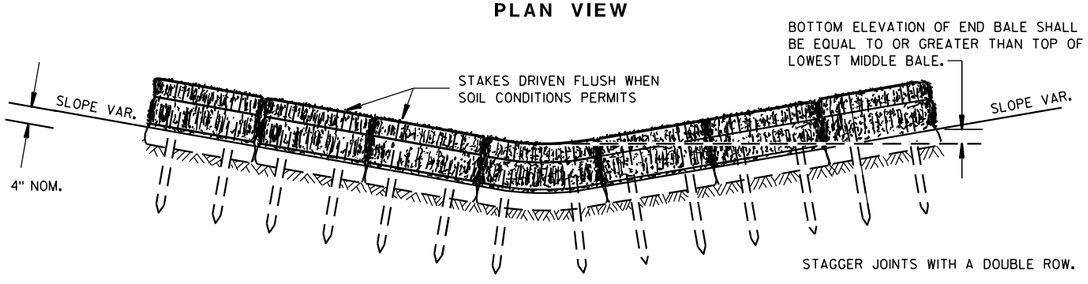
S.D.D. 8 D 4-5



SECTION A-A



PLAN VIEW



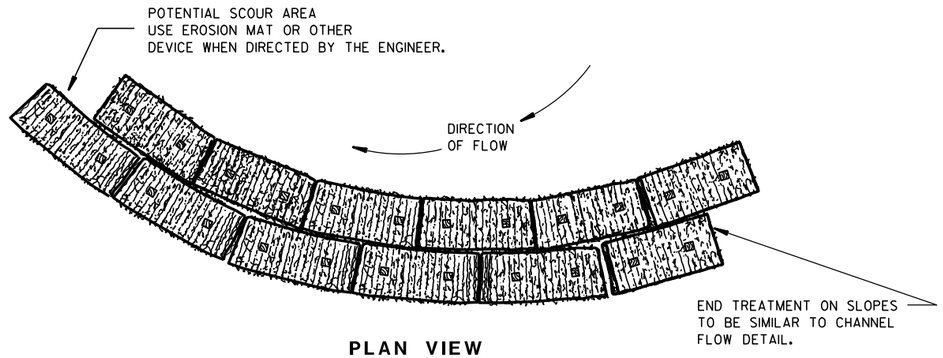
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

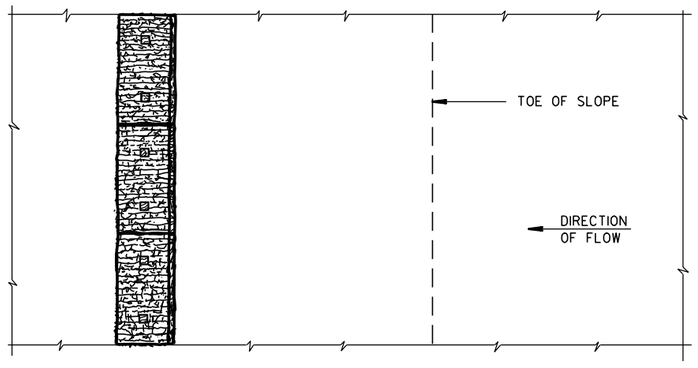
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

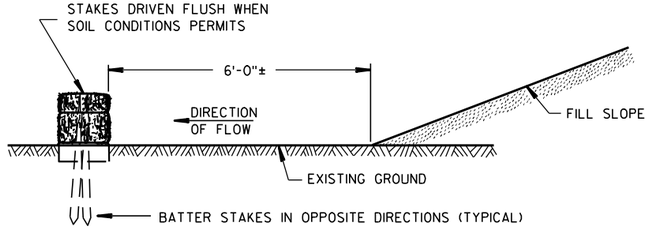


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

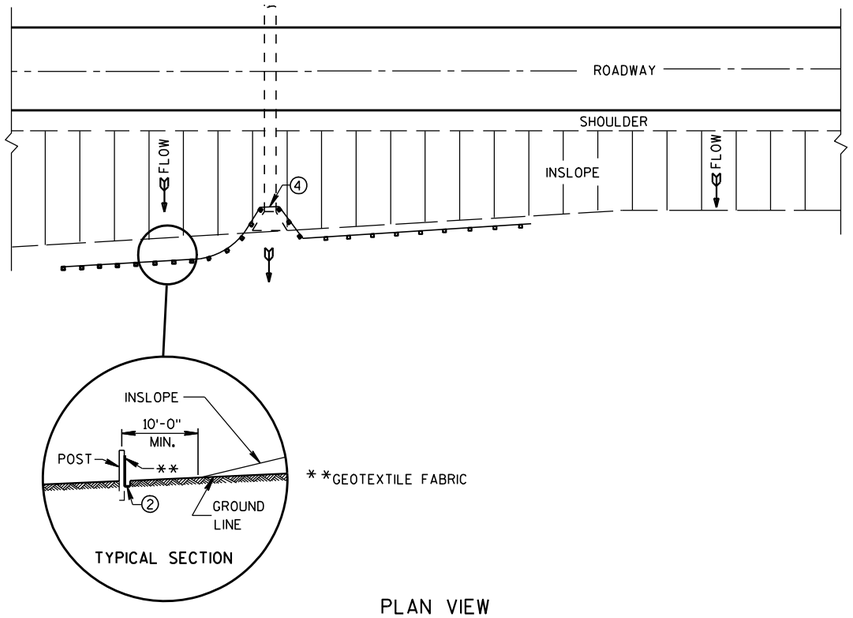
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 — DATE

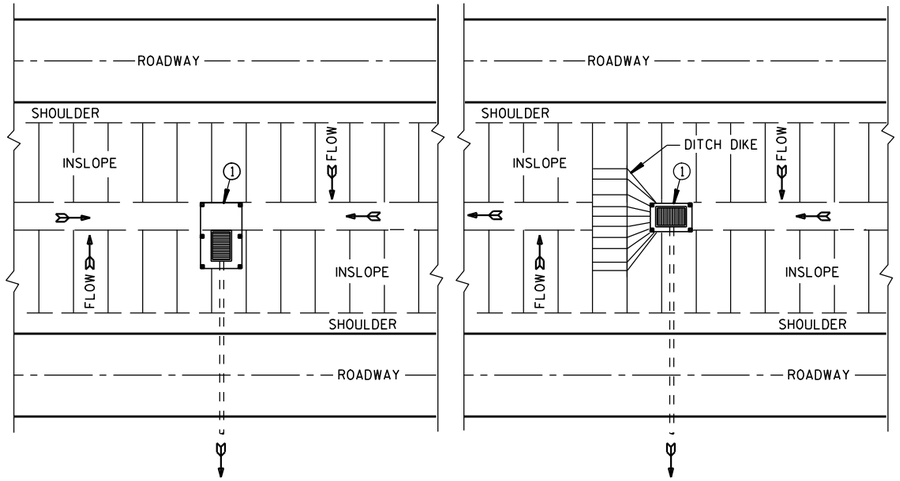
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



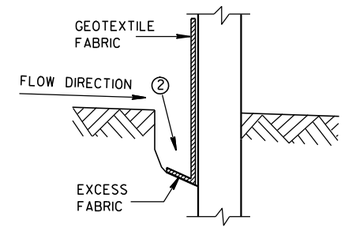
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

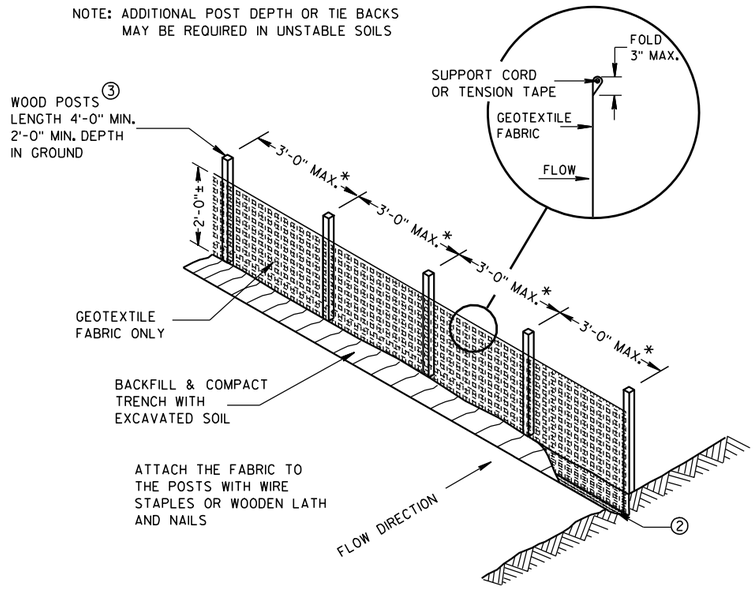
GENERAL NOTES

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

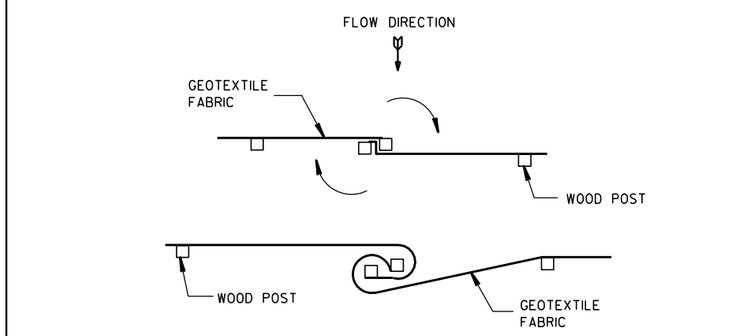
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



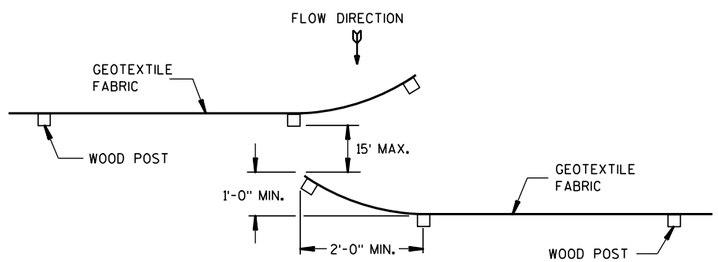
TRENCH DETAIL



SILT FENCE

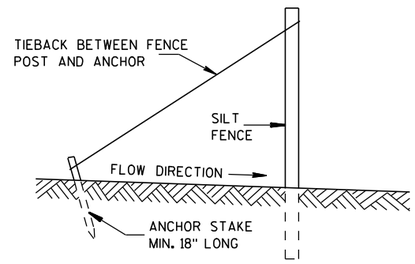


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

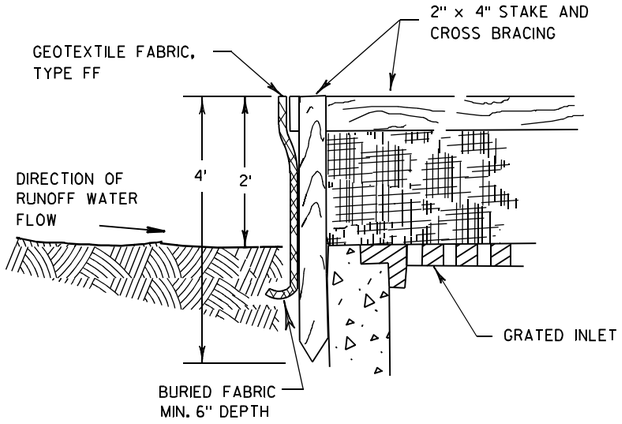
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

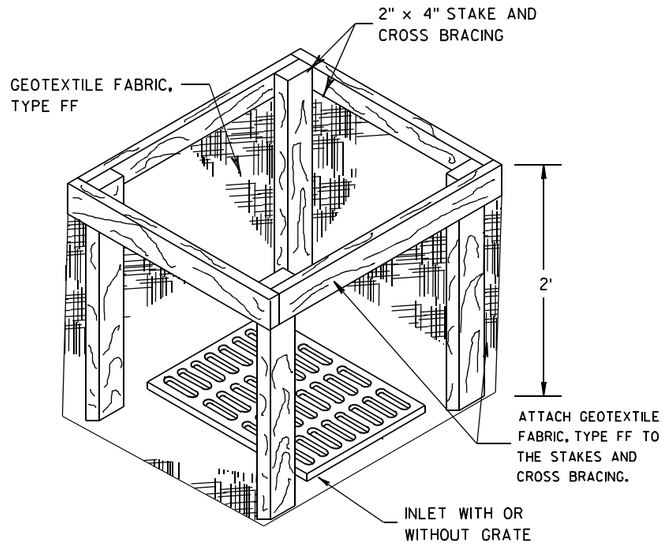
6

S.D.D. 8 E 9-6

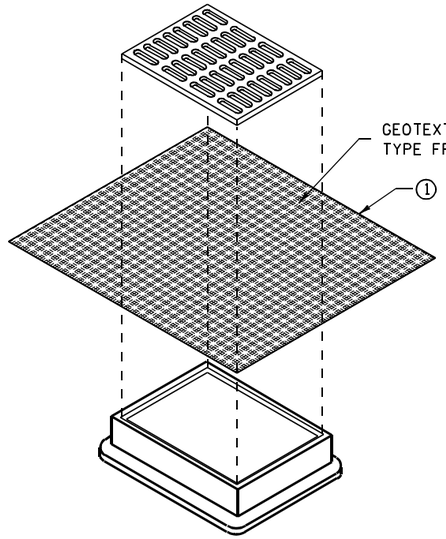
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S.D.D. 8 E 9-6



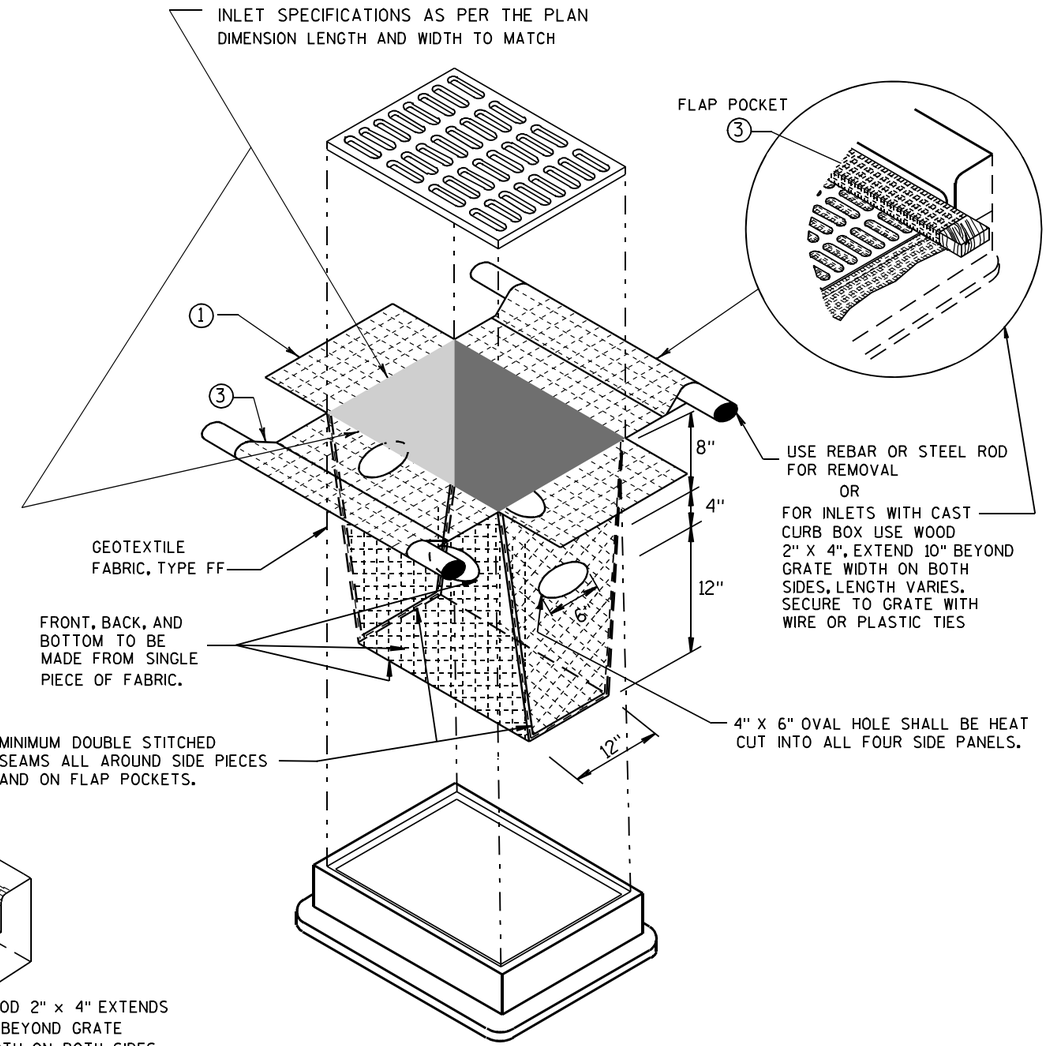


INLET PROTECTION, TYPE A



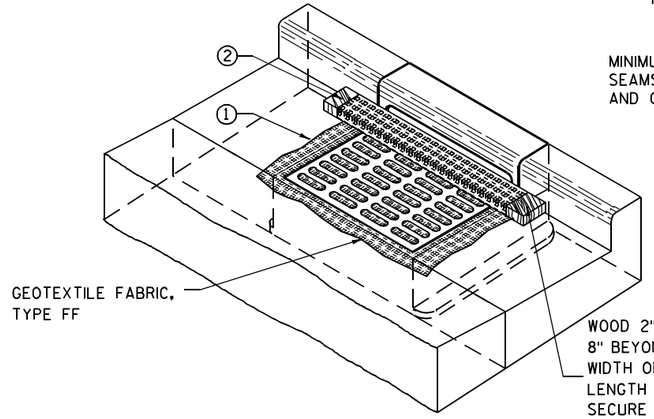
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

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DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

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6
S.D.D. 8 E 10-2

METAL APRON ENDWALLS

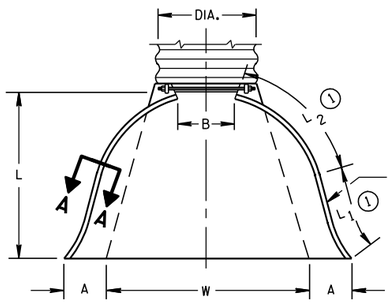
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to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

× EXCEPT CENTER PANEL SEE GENERAL NOTES

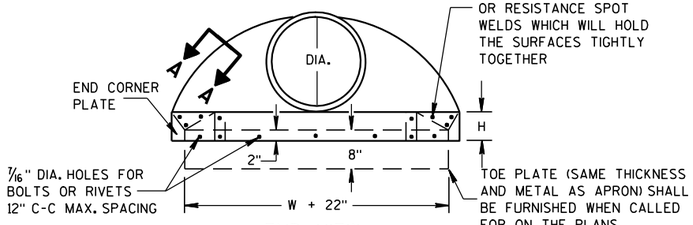
REINFORCED CONCRETE APRON ENDWALLS

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

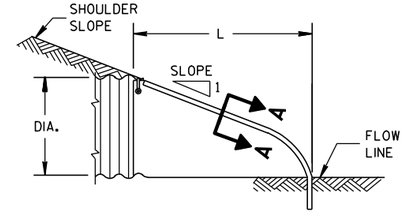
* MINIMUM
** MAXIMUM



PLAN VIEW

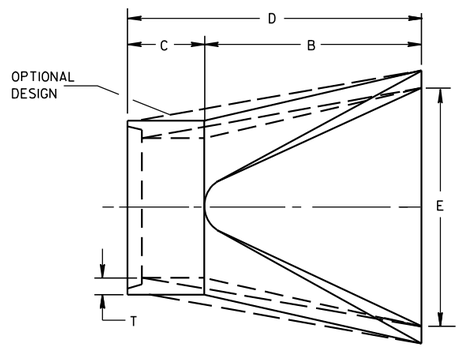


END VIEW

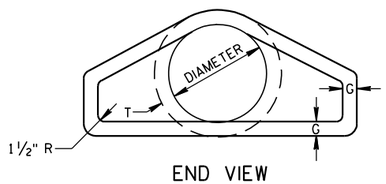


SIDE ELEVATION

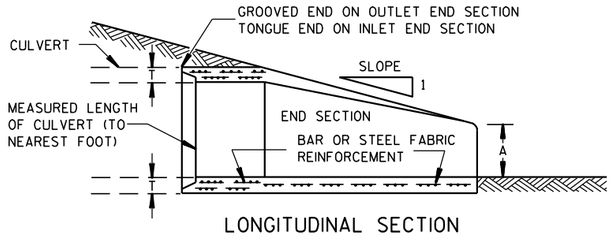
METAL ENDWALLS



PLAN

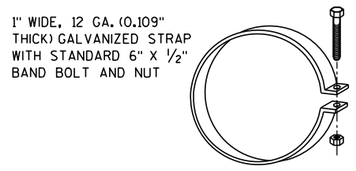


END VIEW



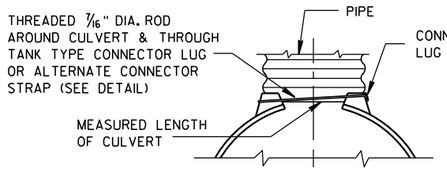
LONGITUDINAL SECTION

CONCRETE ENDWALLS

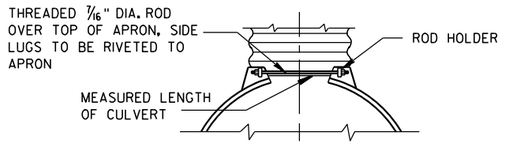


ALTERNATE FOR TYPE 1 CONNECTION

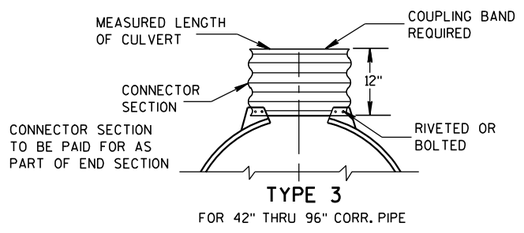
END SECTION CONNECTOR STRAP



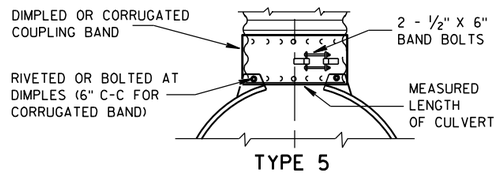
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

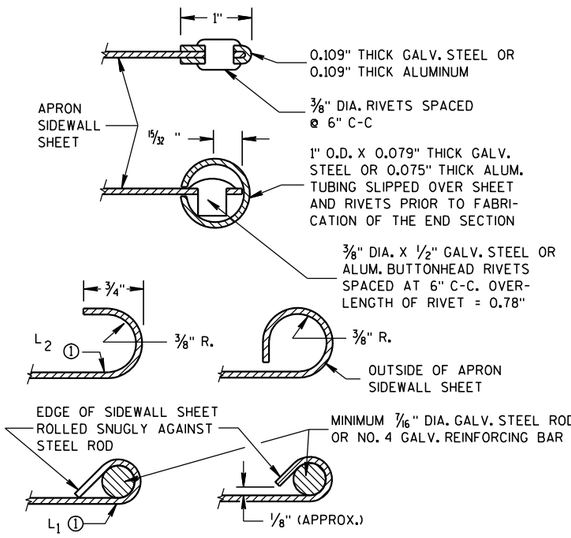
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

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

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

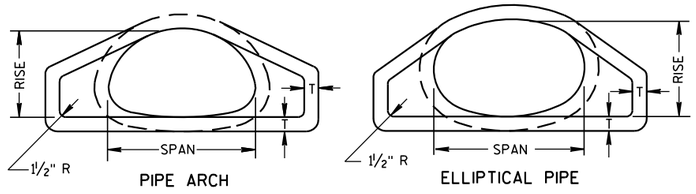
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 111 NEER
FHWA

6

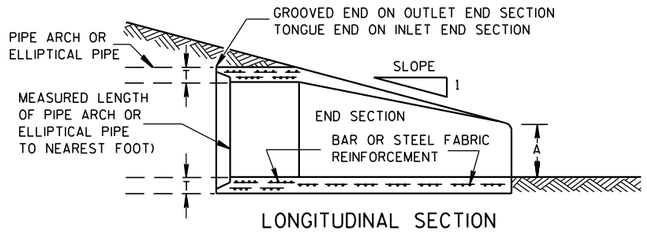
S.D.D. 8 F 1-11

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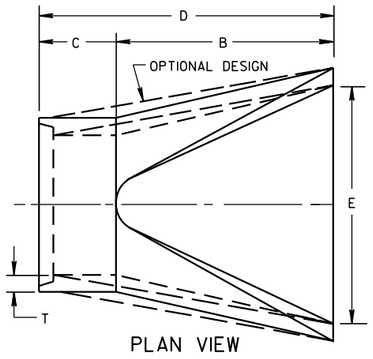
S.D.D. 8 F 1-11



END VIEW

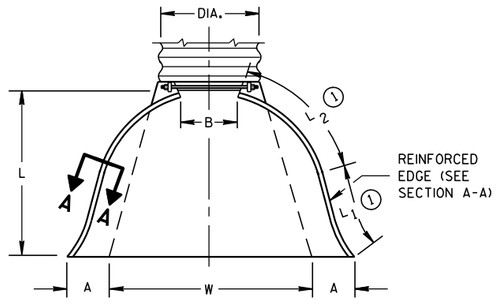


LONGITUDINAL SECTION

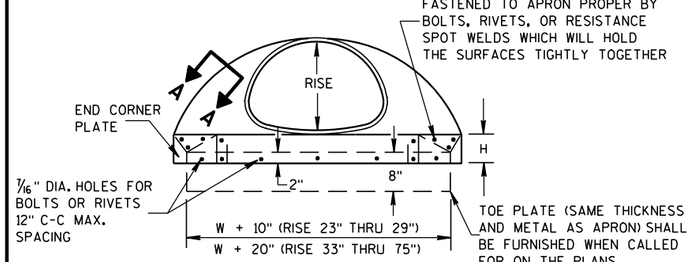


PLAN VIEW

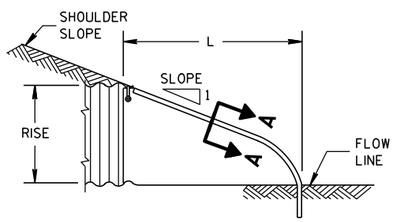
CONCRETE ENDWALLS



PLAN VIEW

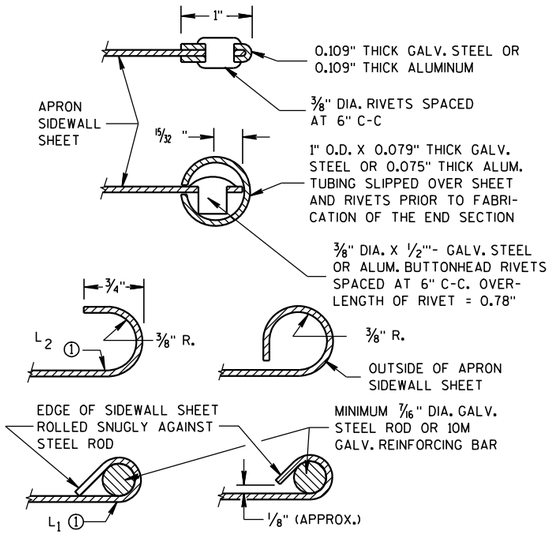


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

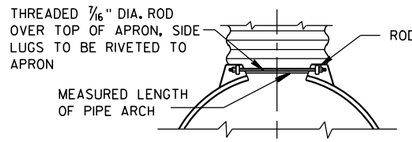
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

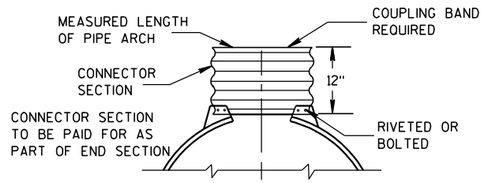
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



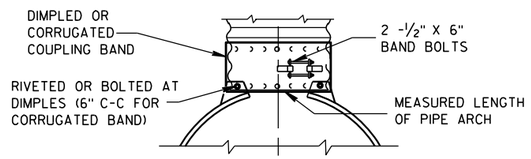
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

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

CONNECTION DETAILS

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

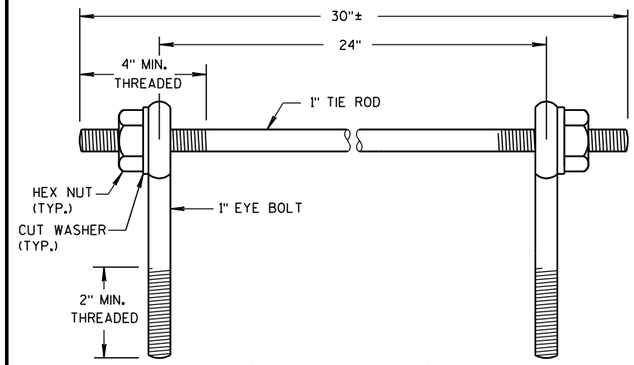
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

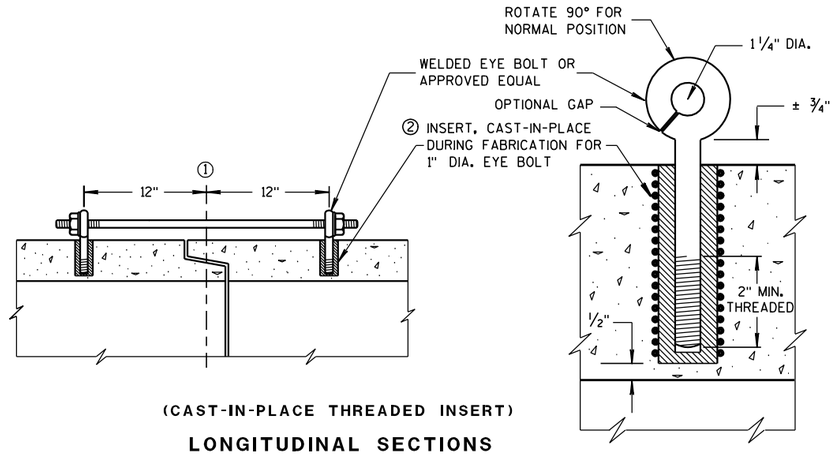
11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

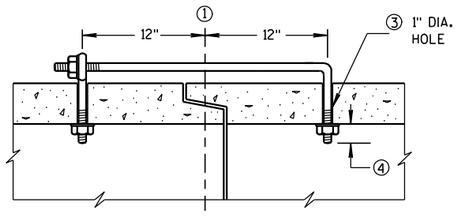
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

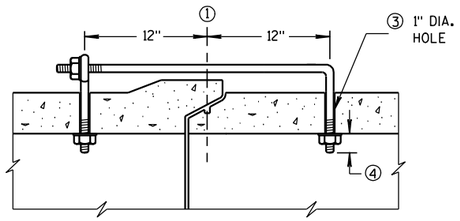
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

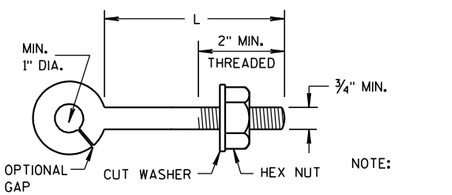


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

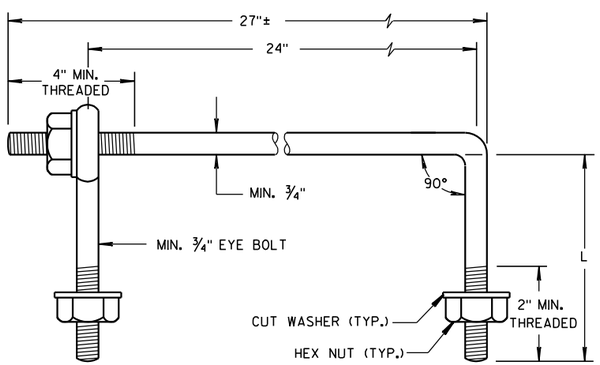
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

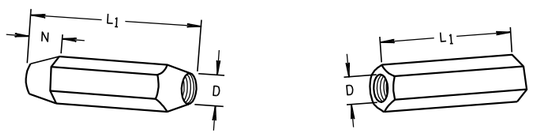
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

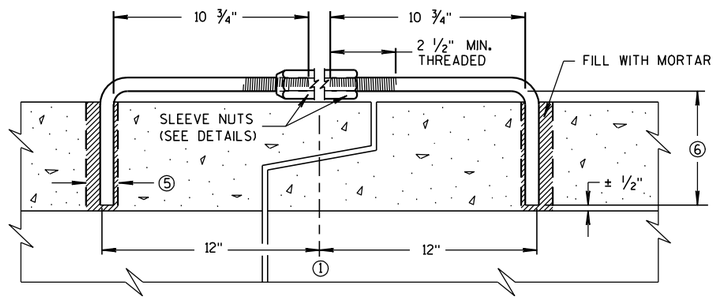
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

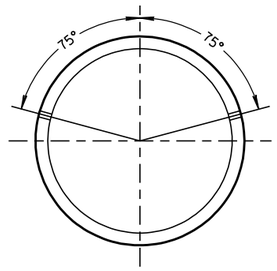
SLEEVE NUTS



LONGITUDINAL SECTION

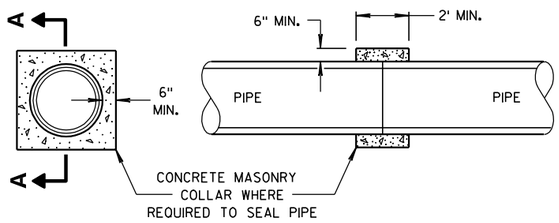
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

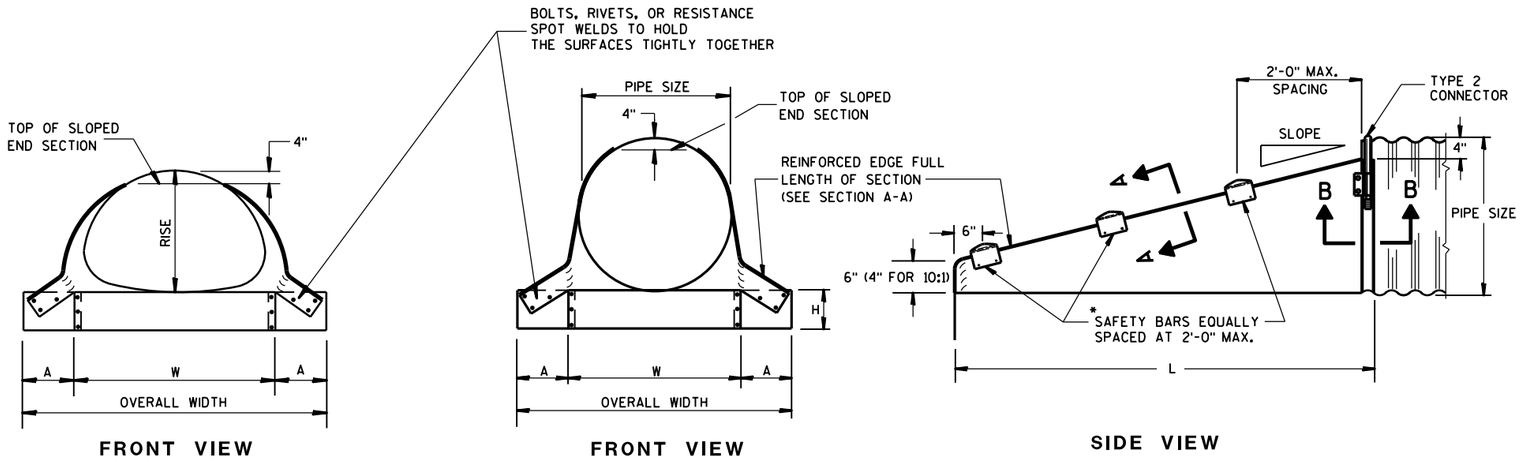
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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S.D.D. 8 F 4-7

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S.D.D. 8 F 4-7



GENERAL NOTES

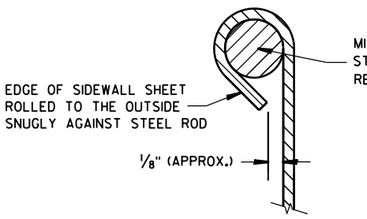
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS

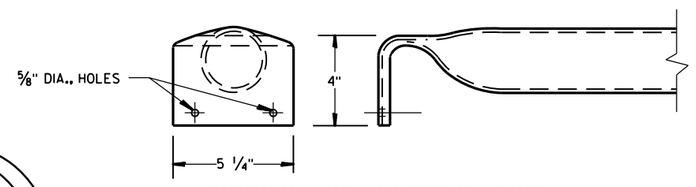
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

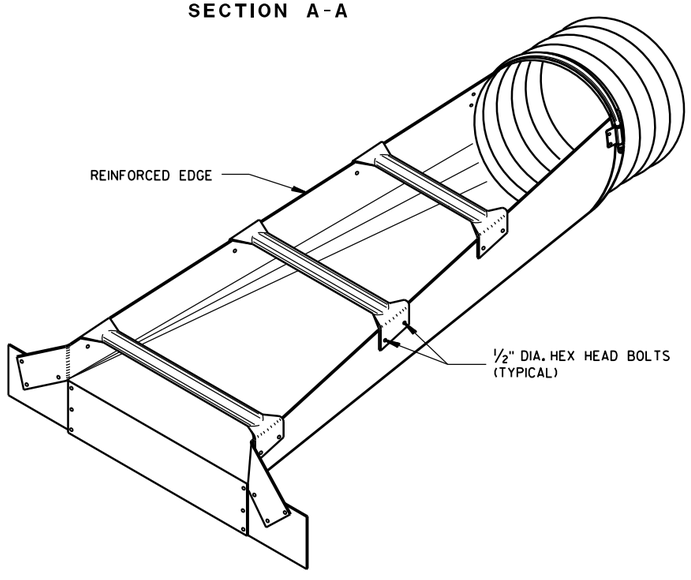


DETAIL OF SAFETY BAR

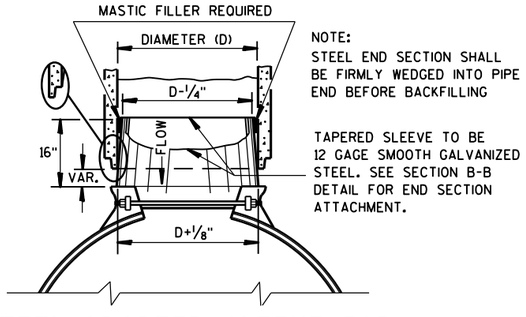
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

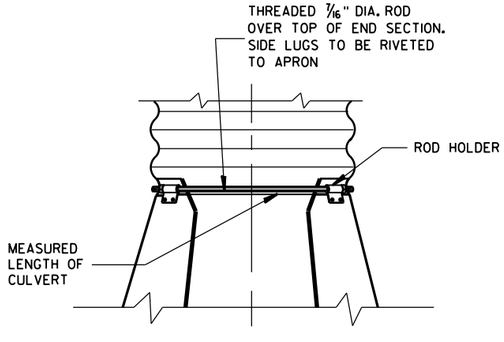
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



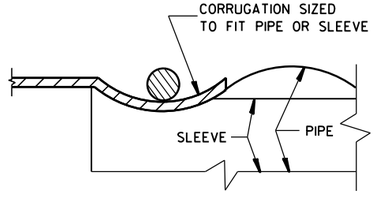
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



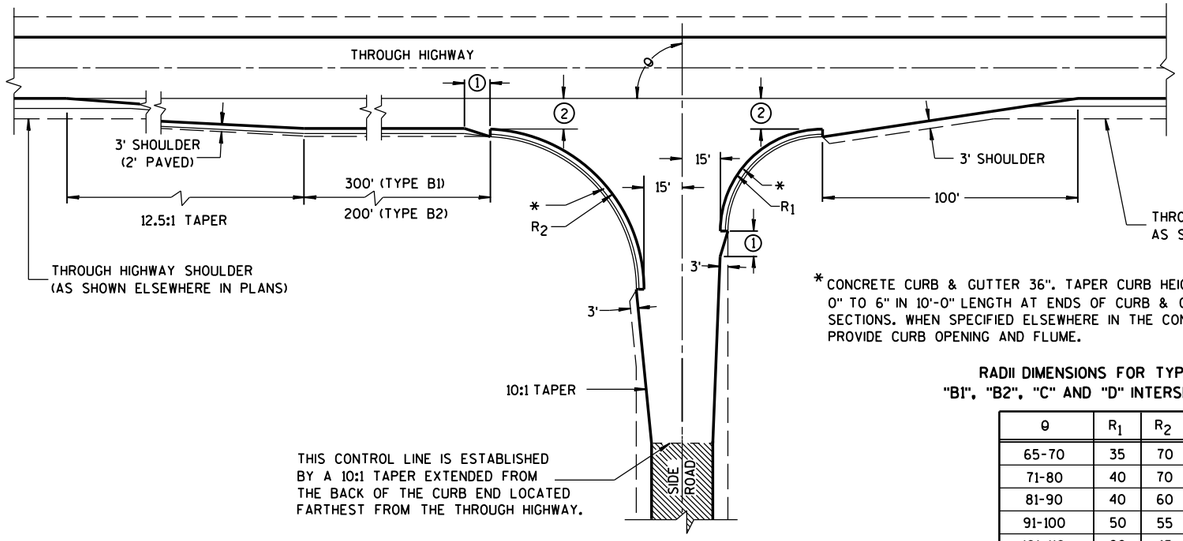
SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 7-5

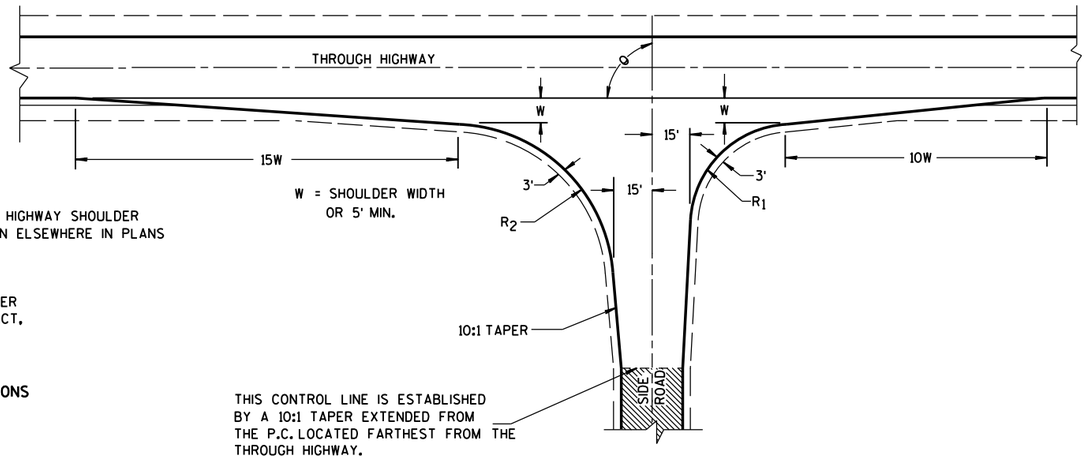


TYPE "B1" AND "B2"

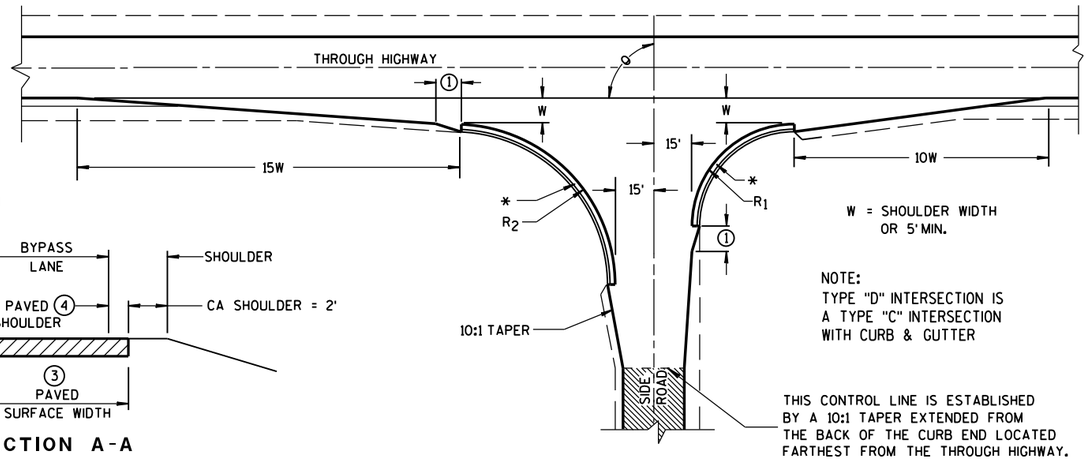
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

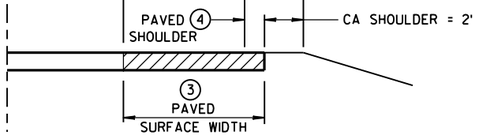
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

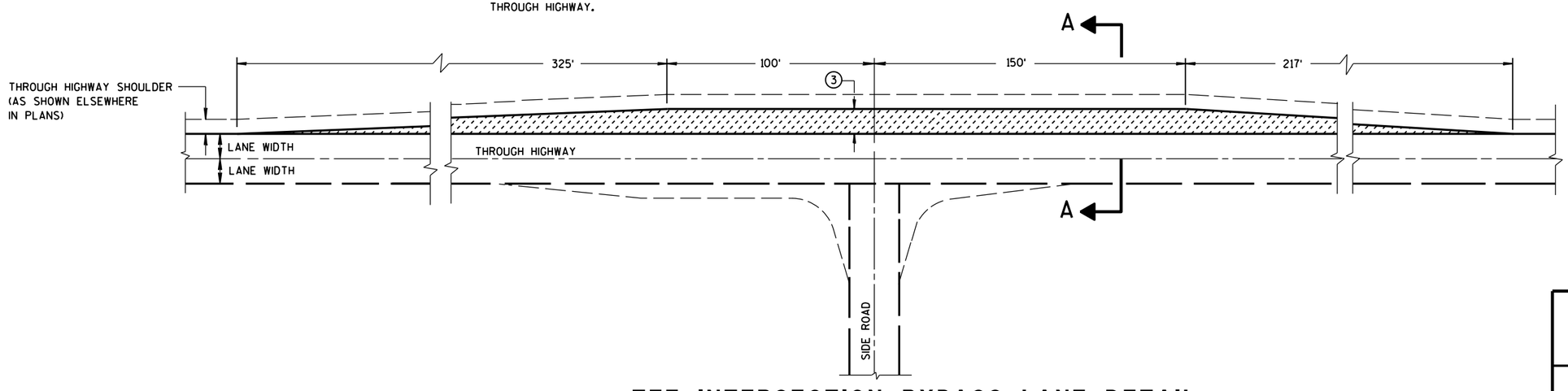
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



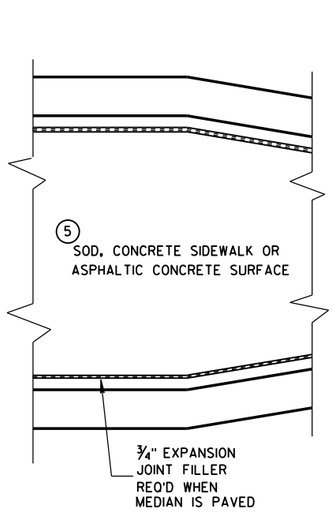
TEE INTERSECTION BYPASS LANE DETAIL

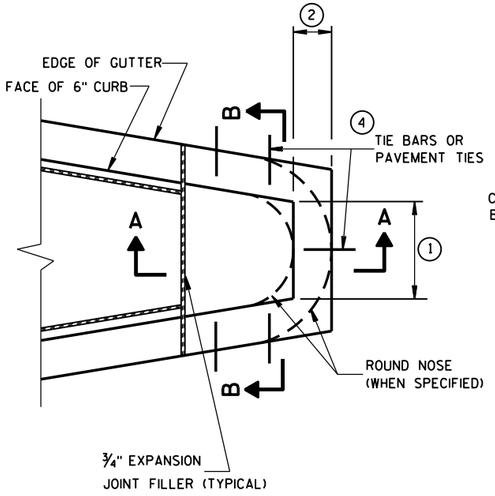
AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

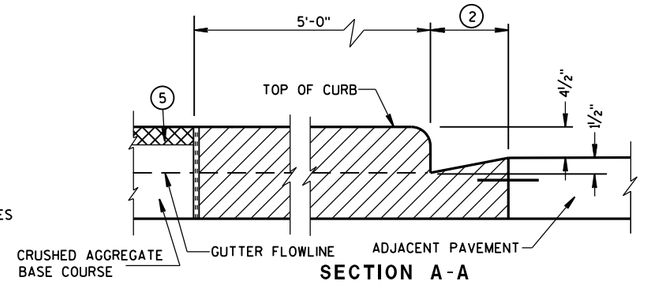
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

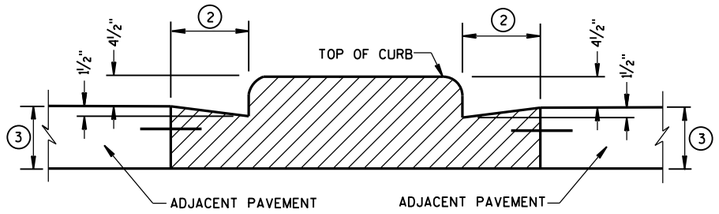
S.D.D. 9 A 1-13a







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

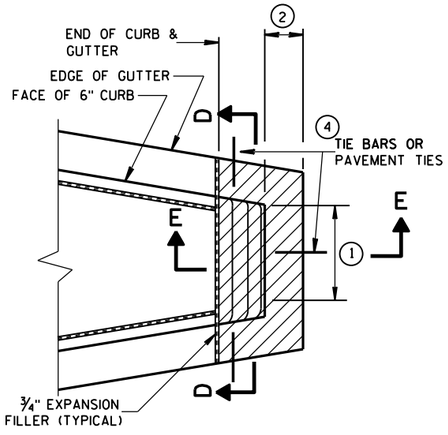
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

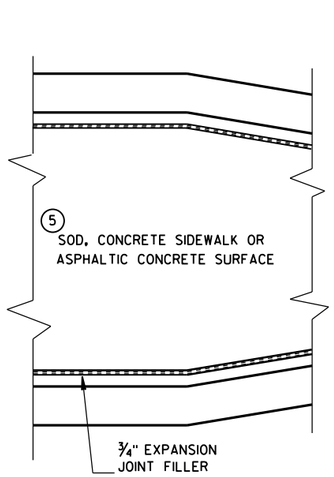
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

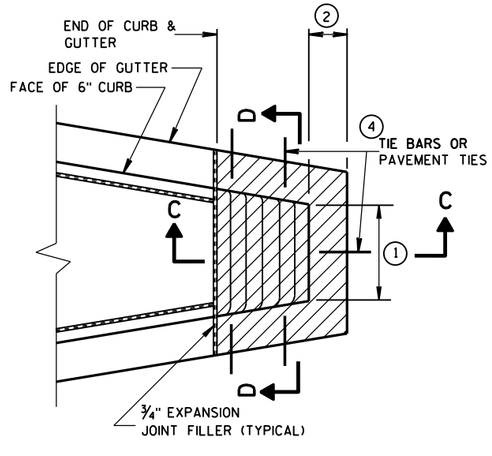
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

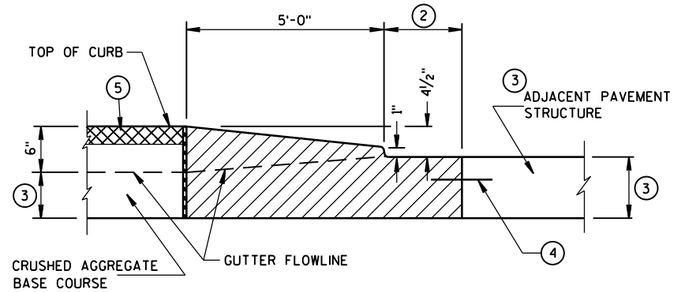
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



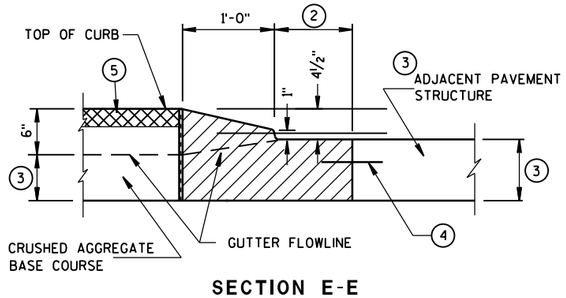




CONCRETE MEDIAN SLOPED NOSE TYPE 1

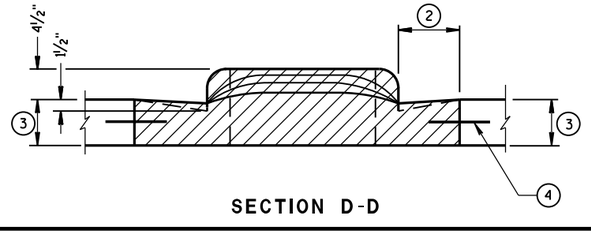


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

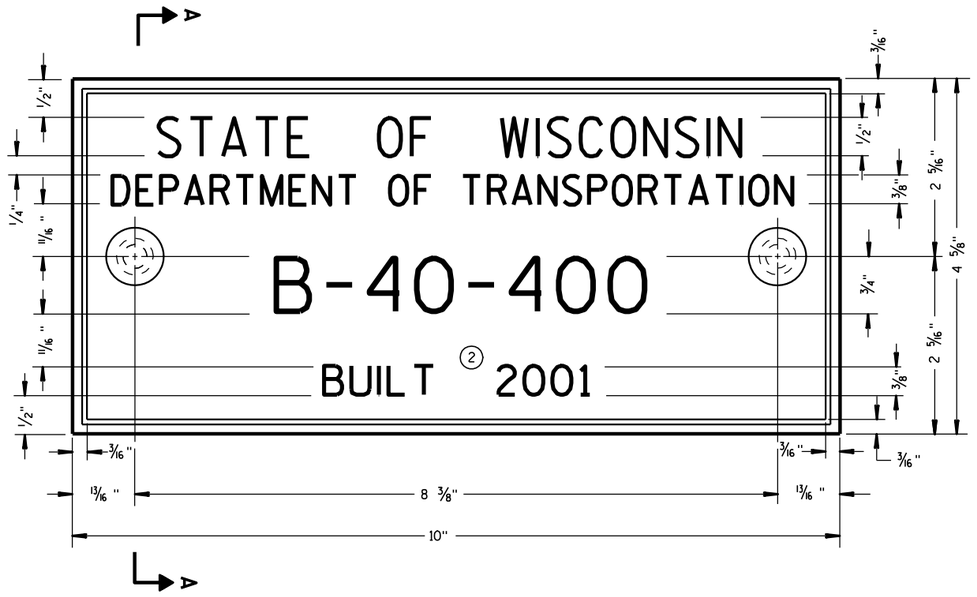
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

6

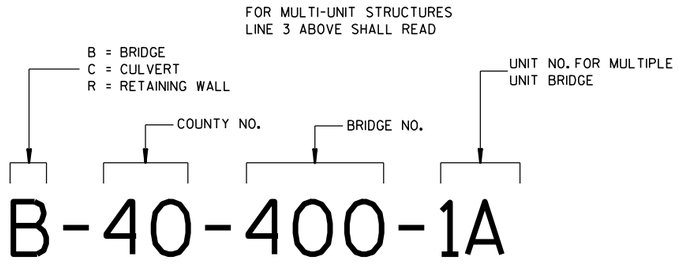
S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



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



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

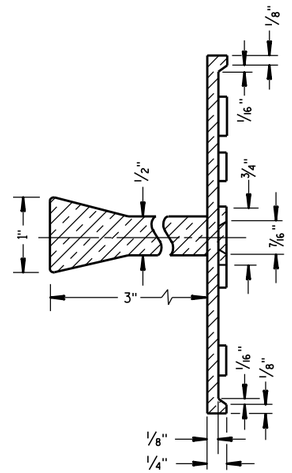
GENERAL NOTES

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

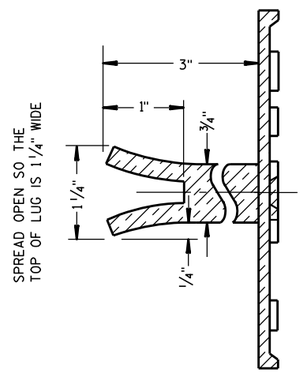
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

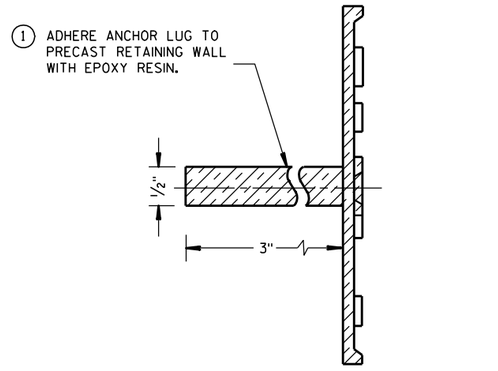
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

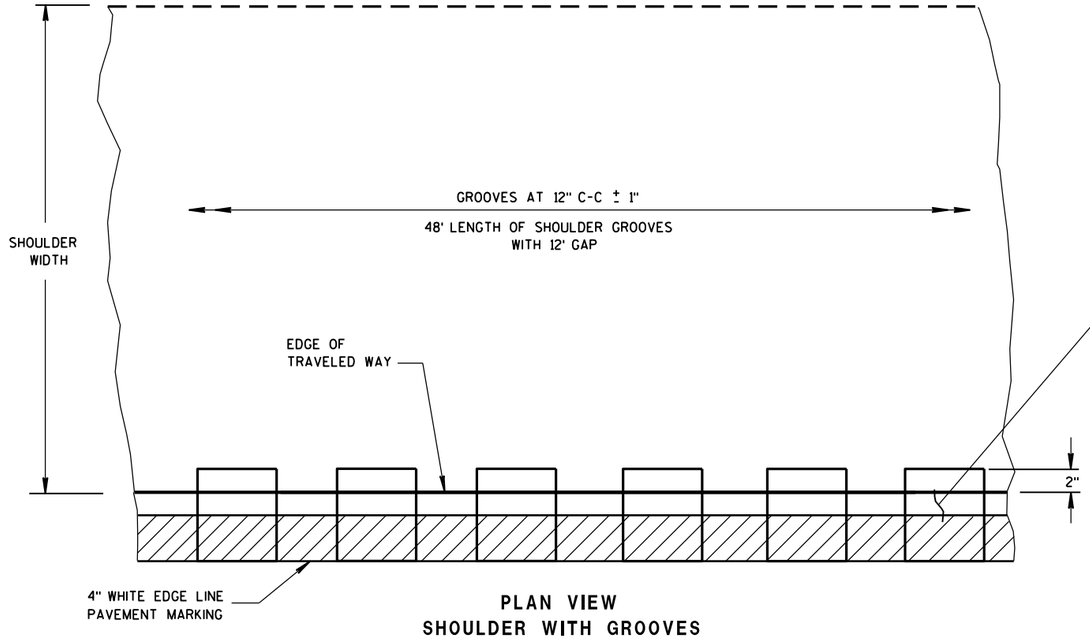
3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP ENGINEER

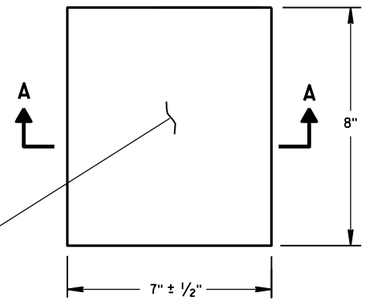
FHWA

6

S.D.D. 12 A 3-10



PLAN VIEW
SHOULDER WITH GROOVES



PLAN VIEW
(SINGLE GROOVE)

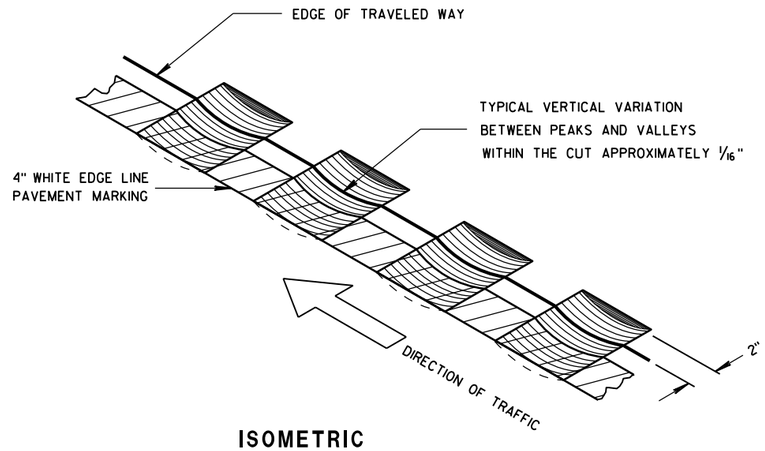
PLACEMENT DETAIL FOR TYPE 2 MILLED RUMBLE STRIP

GENERAL NOTES

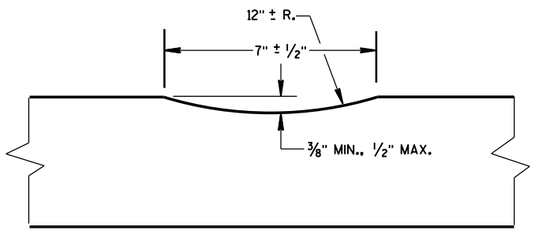
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

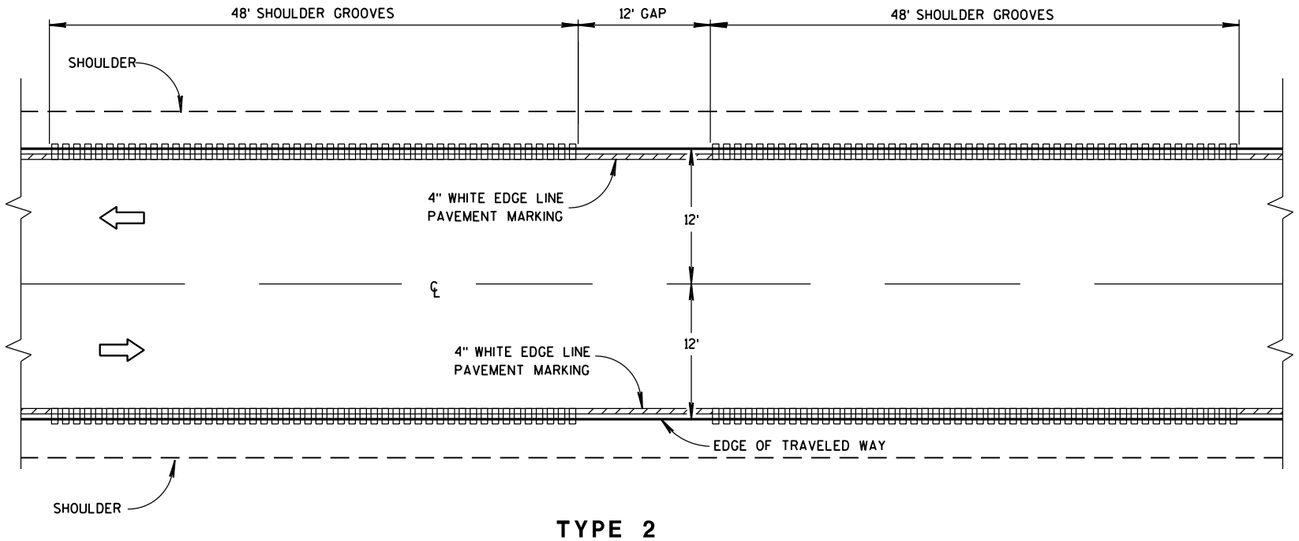
(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



ISOMETRIC



SECTION A-A



TYPE 2
2-LANE SHOULDER RUMBLE STRIP

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

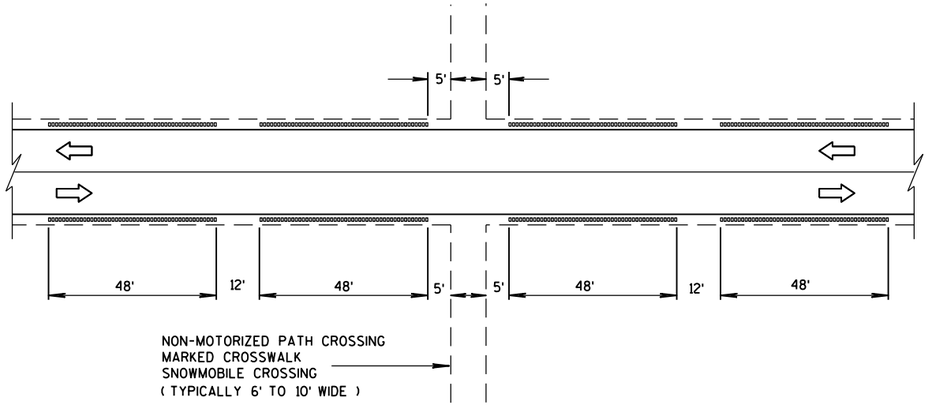
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

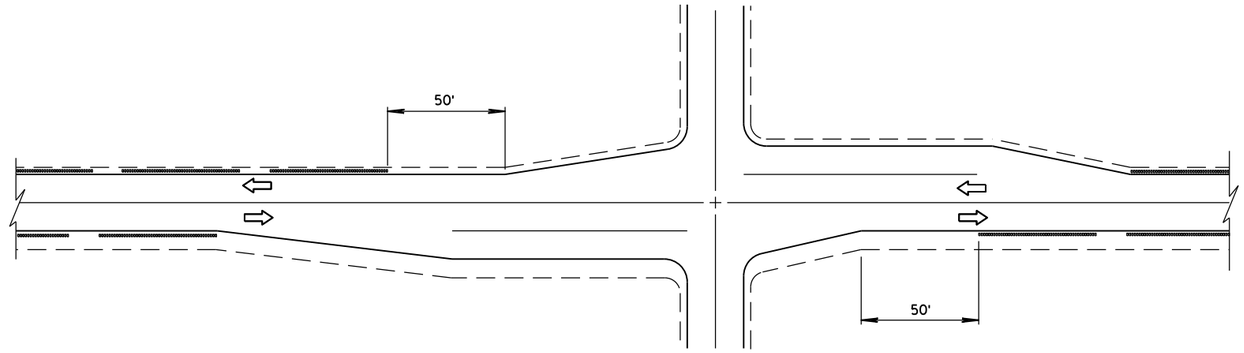
S.D.D. 13 A 10-1b

6

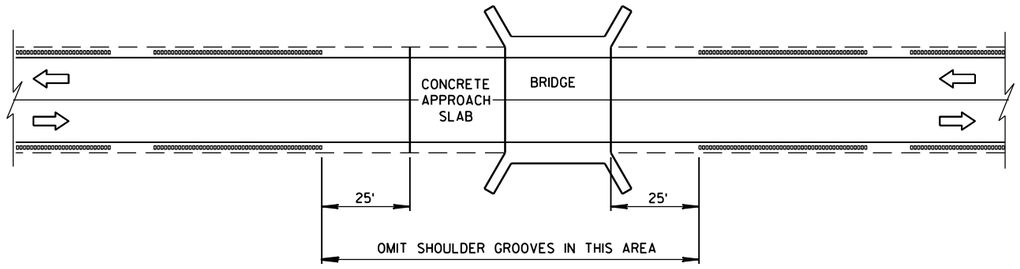
S.D.D. 13 A 10-1b



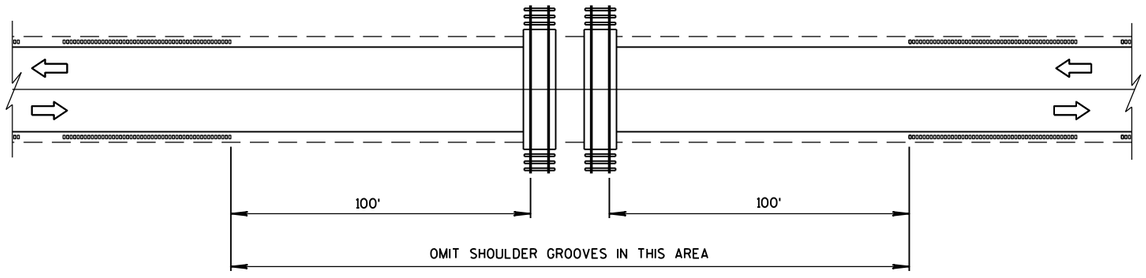
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



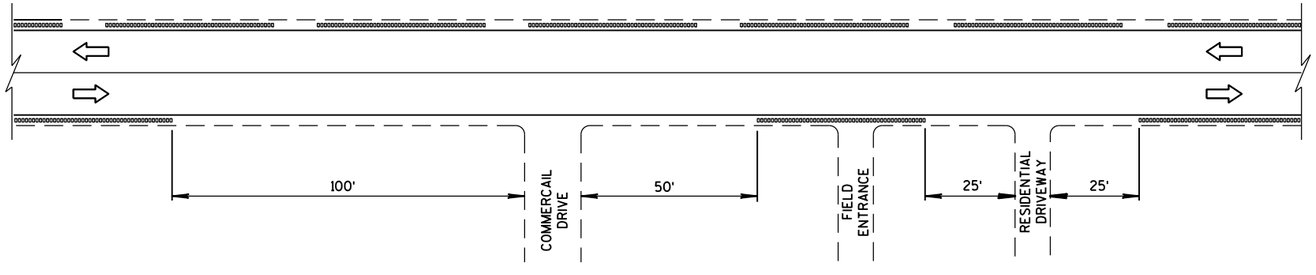
SHOULDER GROOVES AT INTERSECTIONS



SHOULDER GROOVES AT BRIDGES



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT DRIVEWAYS (1)

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

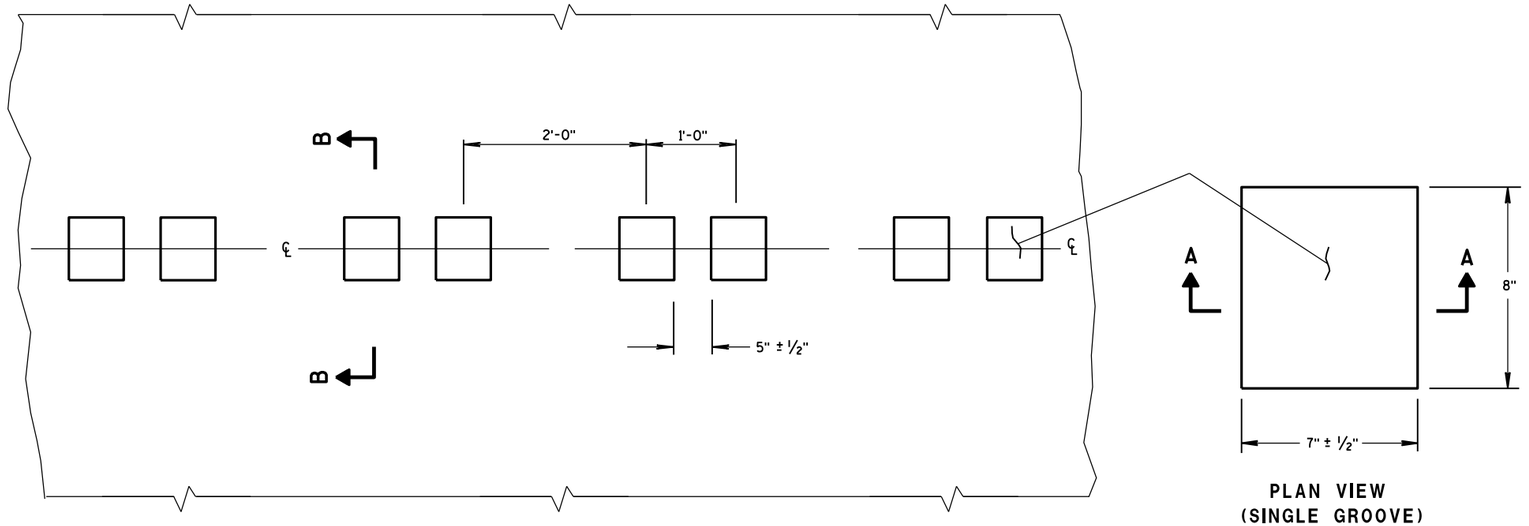
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 A 10-1c

6

S.D.D. 13 A 10-1c



PLAN VIEW
CENTER LINE WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

GENERAL NOTES

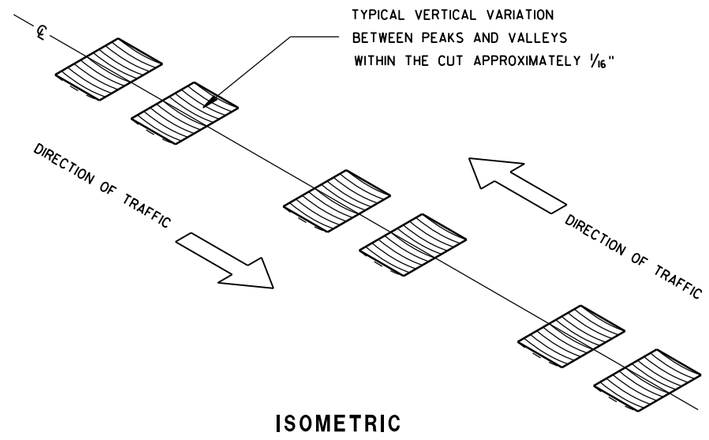
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTER LINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

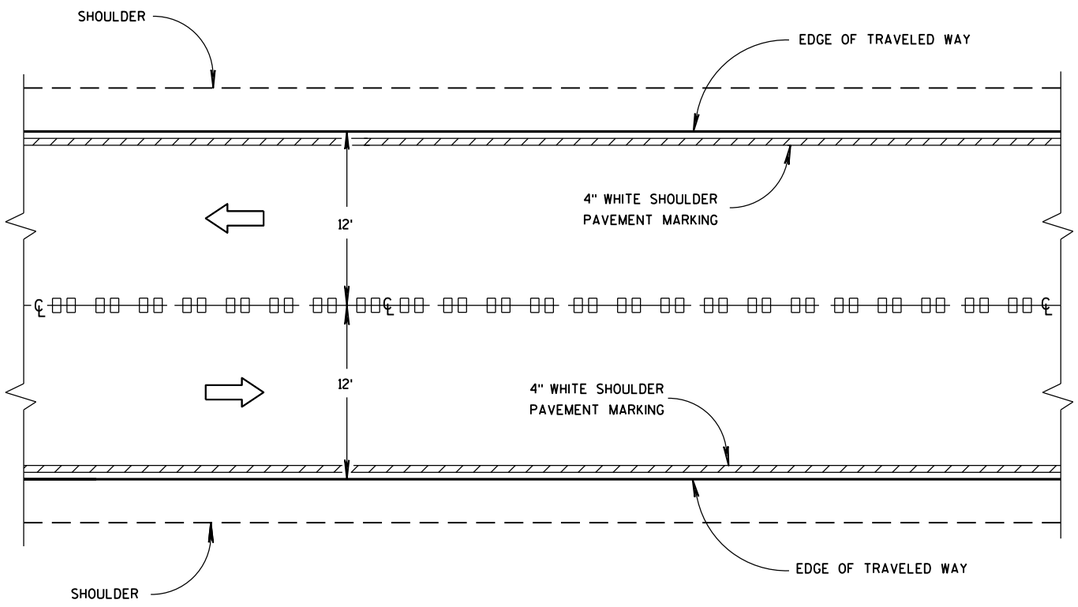
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

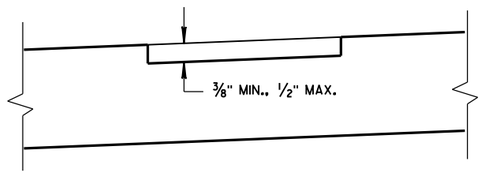
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



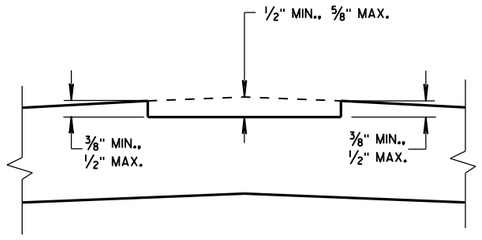
ISOMETRIC



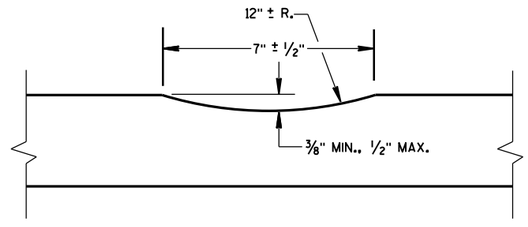
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



SECTION B-B
CROWNED ROADWAY



SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

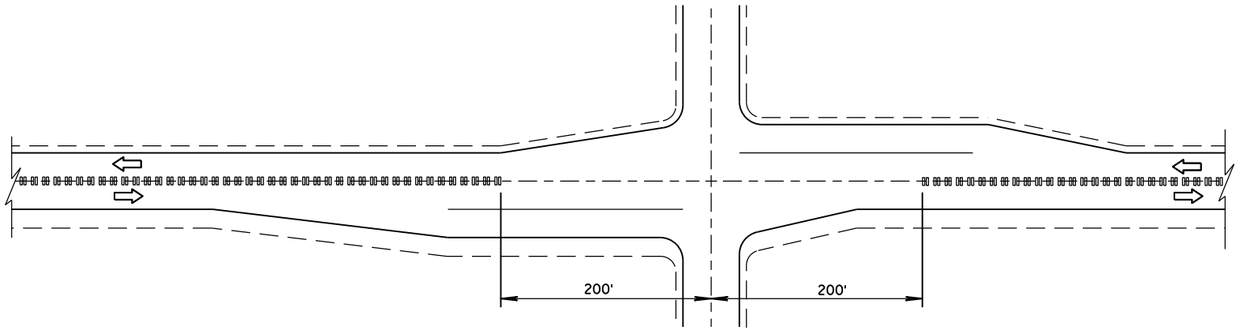
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

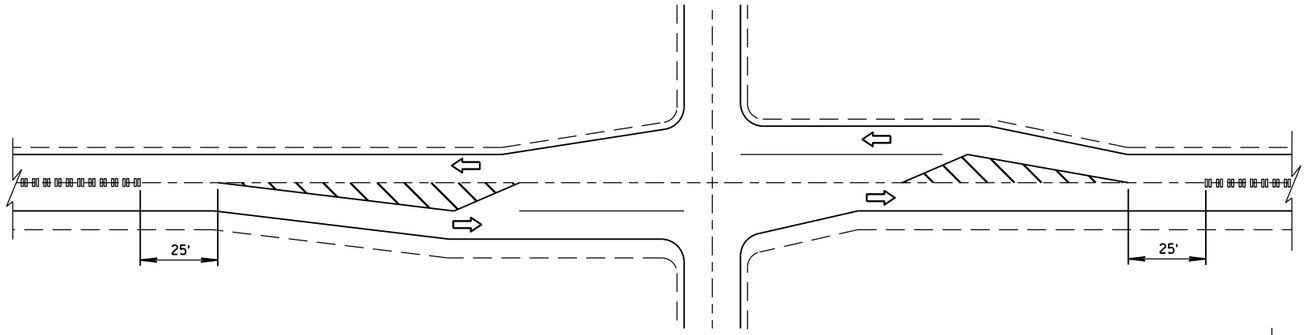
S.D.D. 13 A 11-2a

6

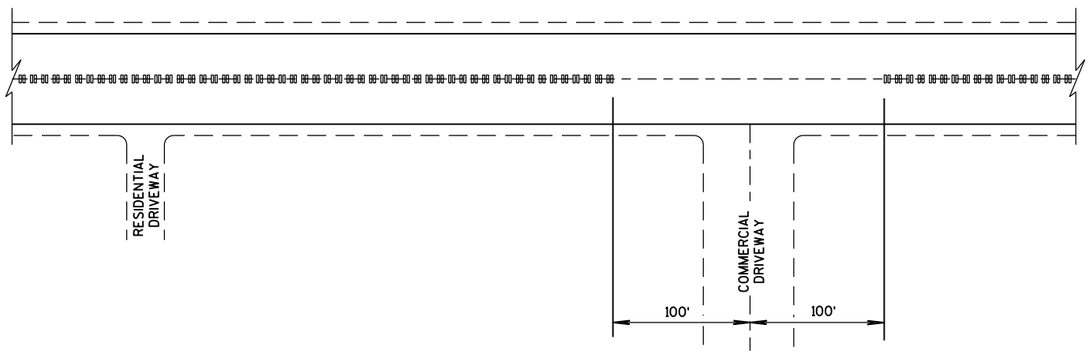
S.D.D. 13 A 11-2a



CENTER LINE GROOVES AT INTERSECTIONS

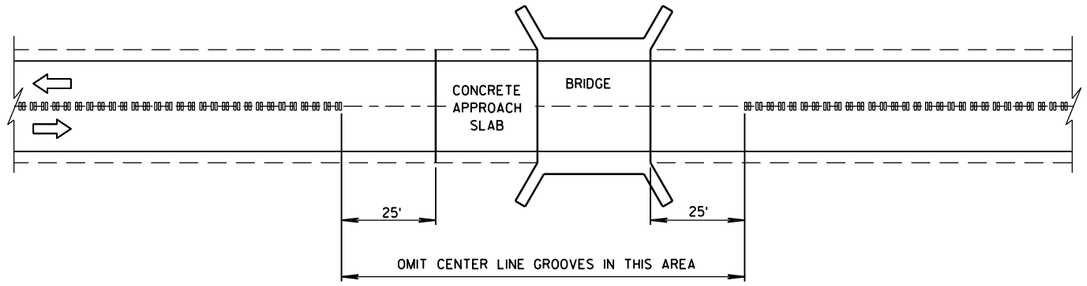


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

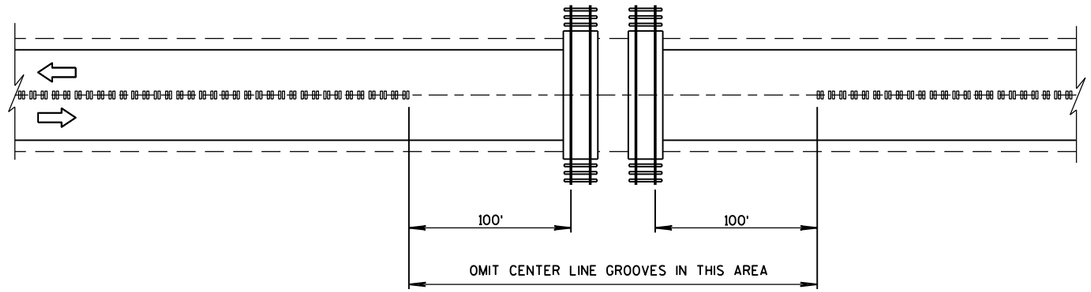


CENTER LINE GROOVES AT DRIVEWAYS (1)

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



CENTER LINE GROOVES AT BRIDGES



CENTER LINE GROOVES AT RAILROADS

6

S.D.D. 13 A 11-2b

6

S.D.D. 13 A 11-2b

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

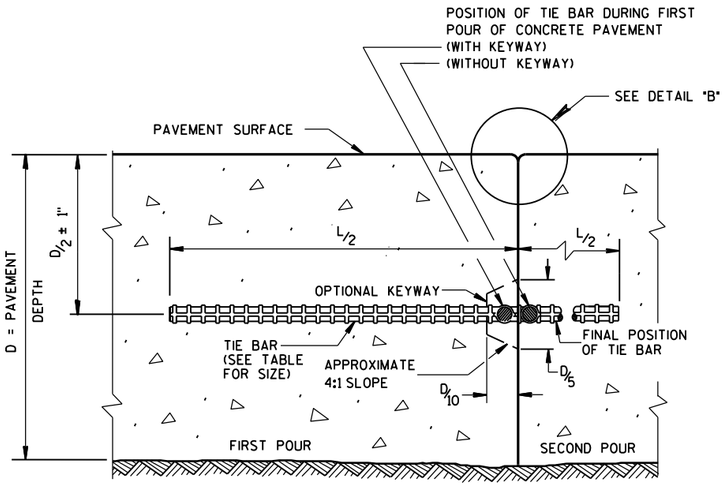
APPROVED

5/15/2013
DATE

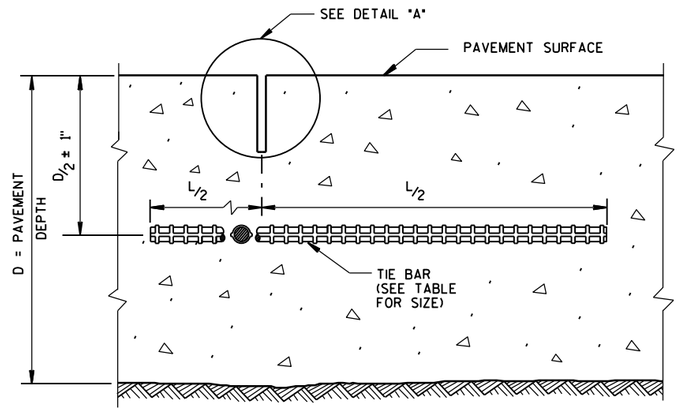
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

NT

FHWA



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

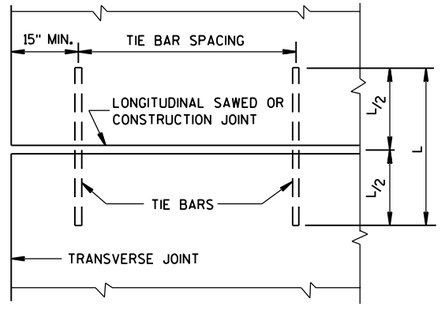
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

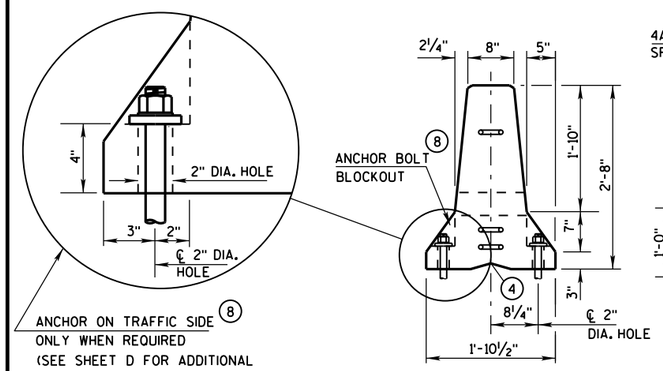
CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

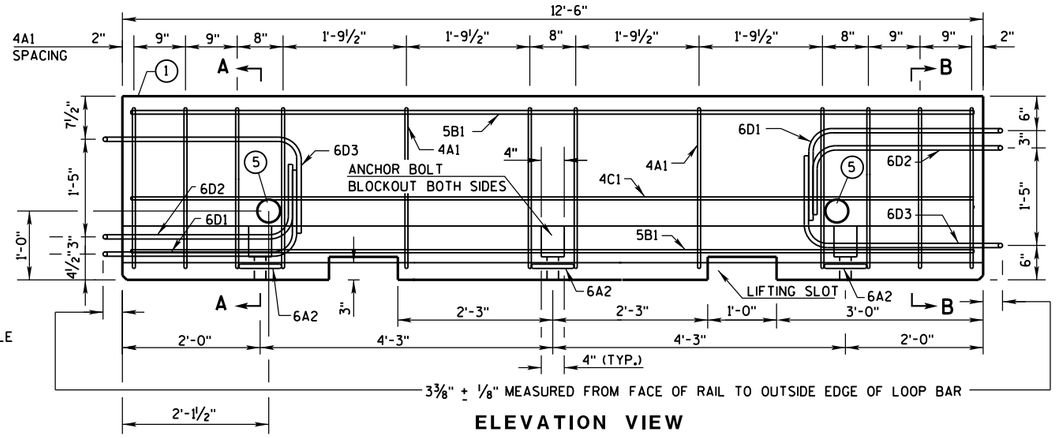
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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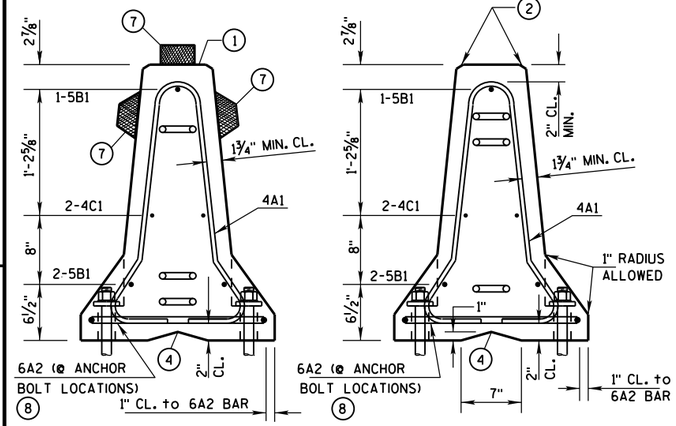
S.D.D. 13 C 1-18



END VIEW

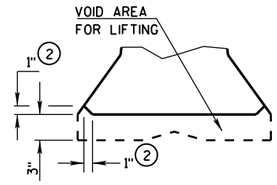


ELEVATION VIEW

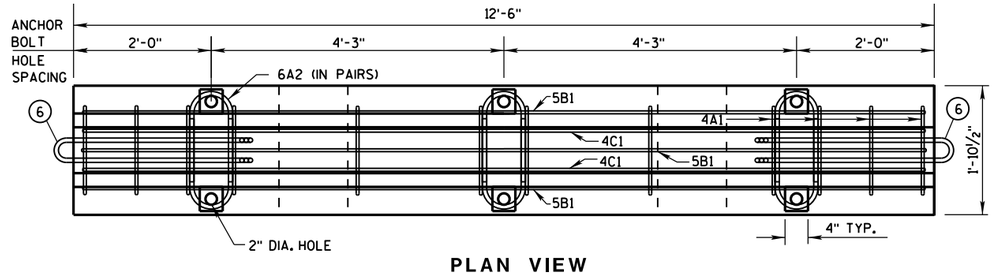


SECTION A-A
(STIRRUP PLACEMENT)

SECTION B-B
(STIRRUP PLACEMENT)

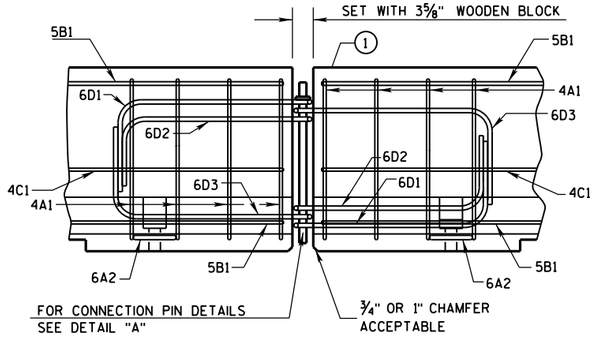


DETAIL "B"
LIFTING SLOT DETAIL

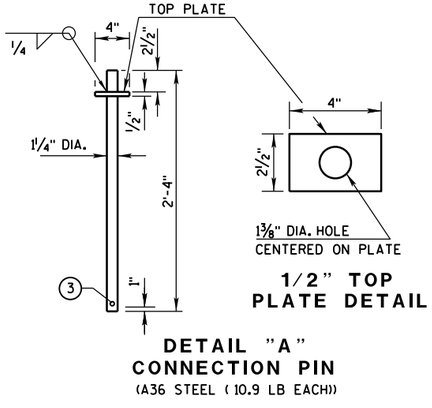


PLAN VIEW

DETAILS OF BARRIER SECTION

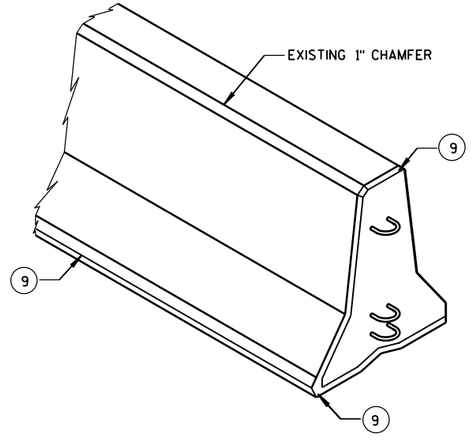


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-14(a) THRU 14B7-14(h).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR ANCHORING CRITERIA.

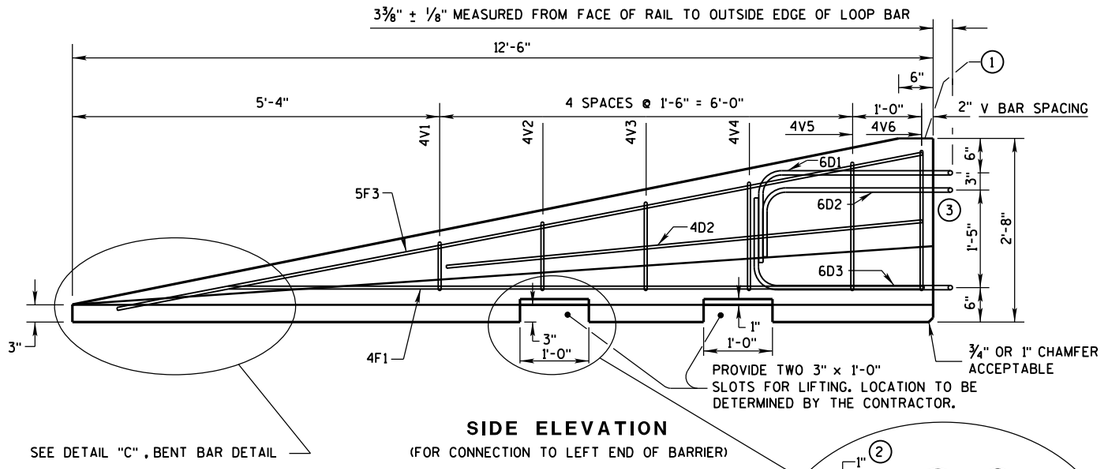
(9) 1" CHAMFER OPTIONAL.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

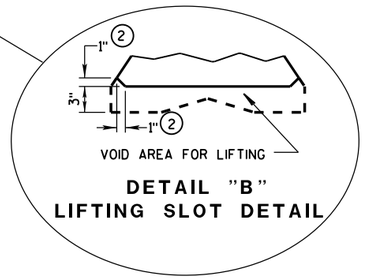
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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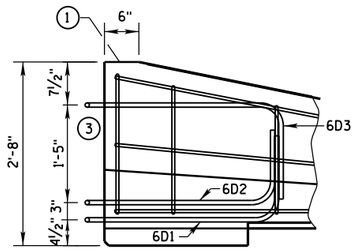
S.D.D. 14 B 7-14a



SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



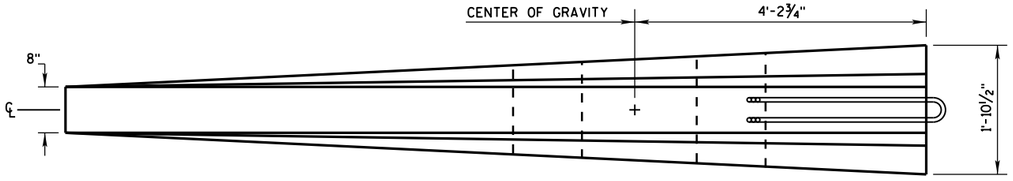
DETAIL "B"
LIFTING SLOT DETAIL



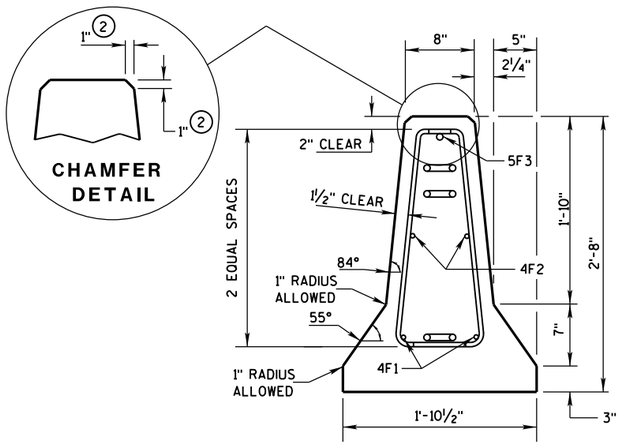
SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED
FOR OPPOSITE END.
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

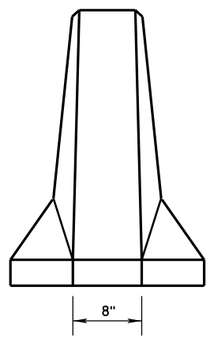
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



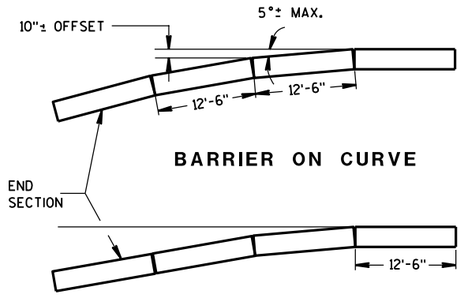
PLAN VIEW



END SECTION



FRONT ELEVATION



BARRIER ON CURVE

FLARE AT BARRIER END

POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

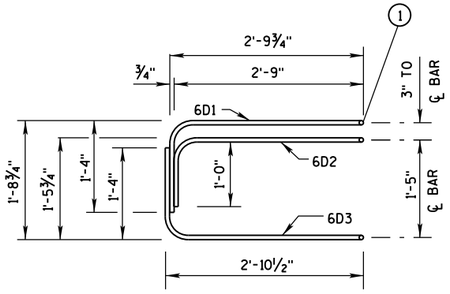
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-14b

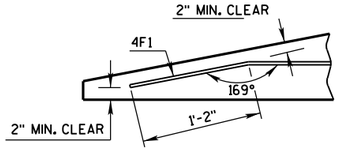
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

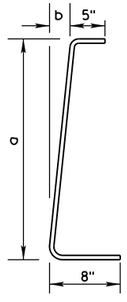
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

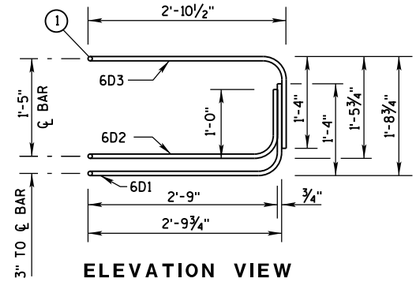
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

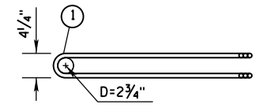
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

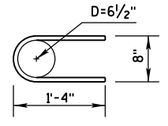
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



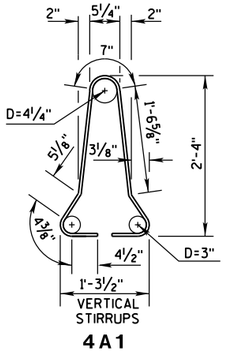
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

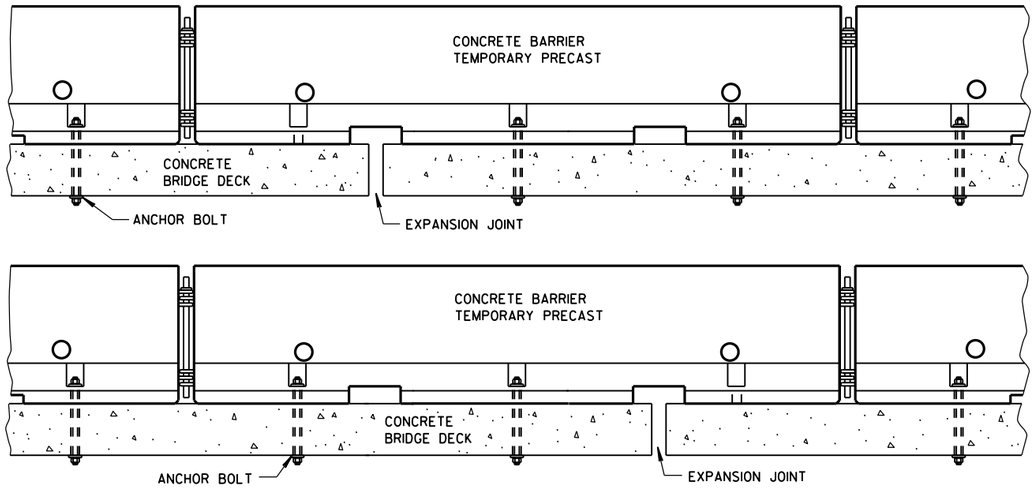
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

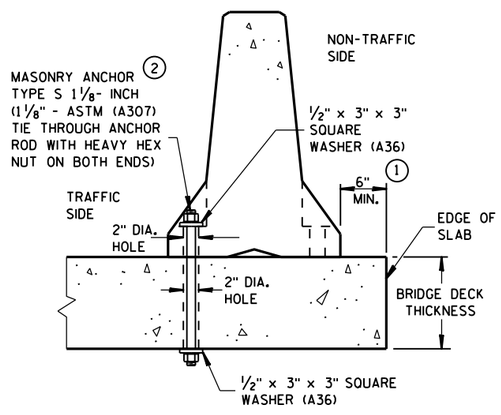
6

S.D.D. 14 B 7-14c



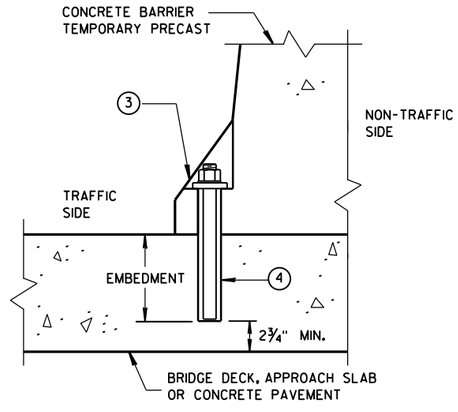
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)



THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



REMOVABLE ADHESIVE BONDED ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT ②

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

① CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT. IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

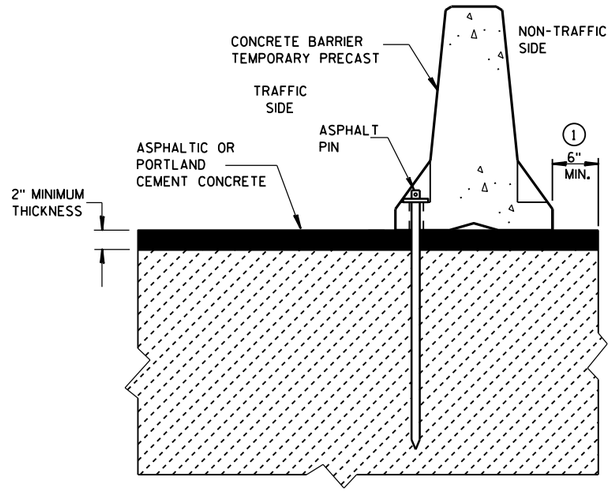
② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALL ANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.

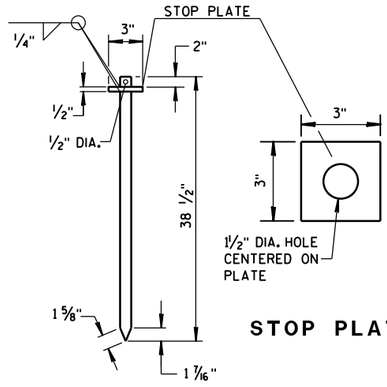
③ 1⅛" DIAMENTER A307 THREADED ROD, ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.

④ ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

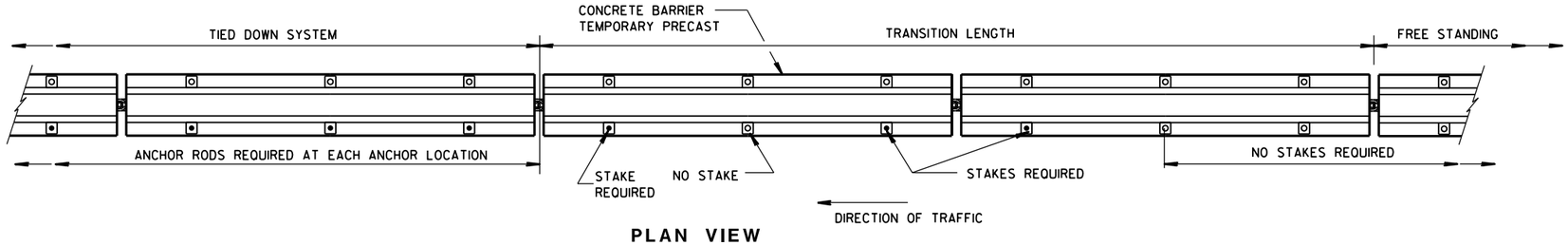
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

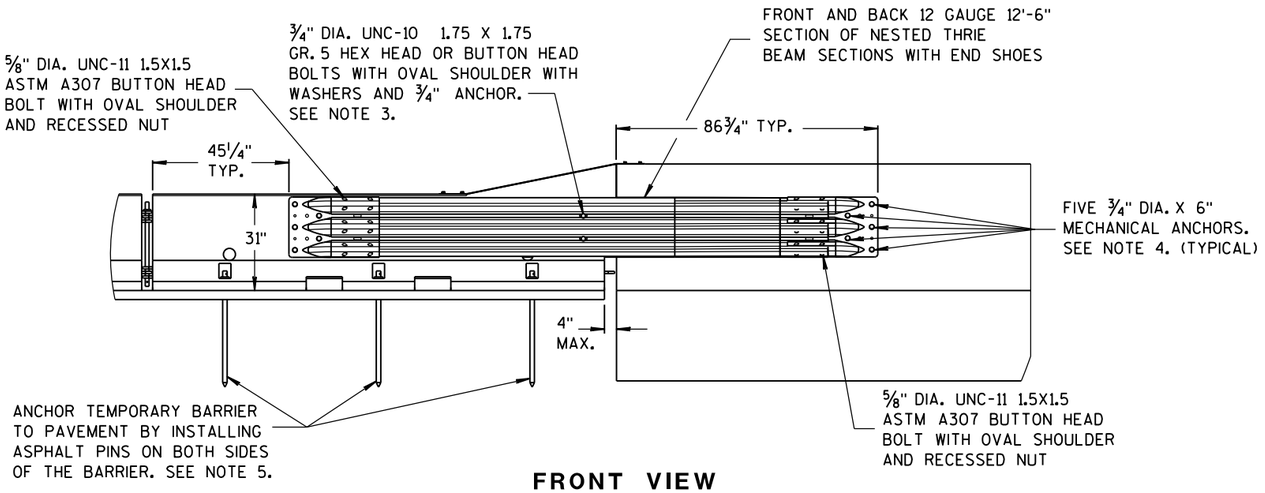
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

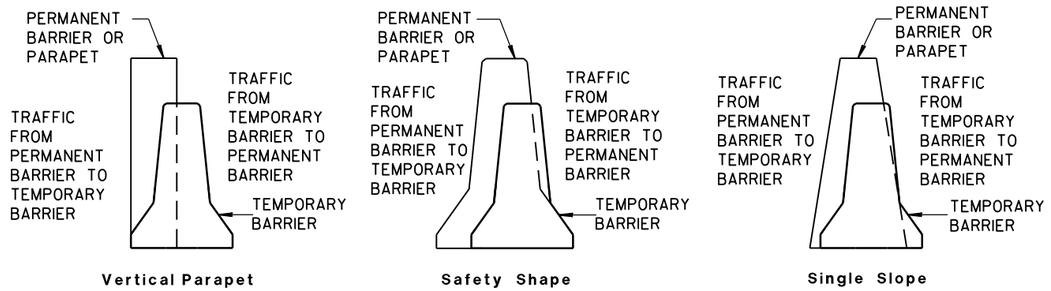
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-14d



FRONT VIEW

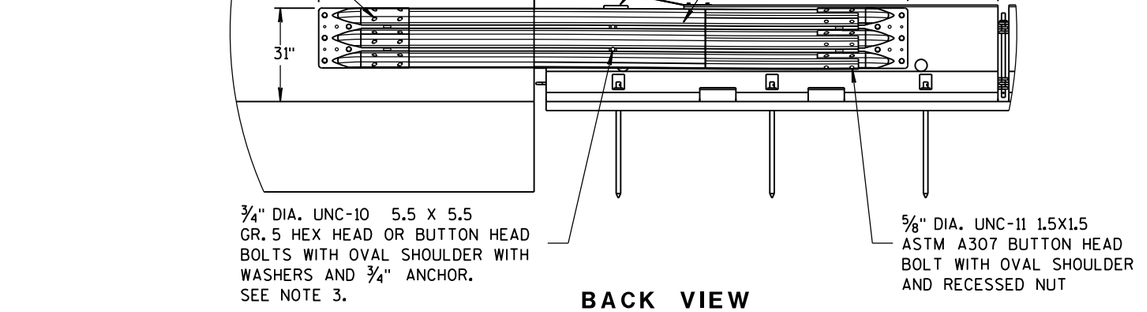


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

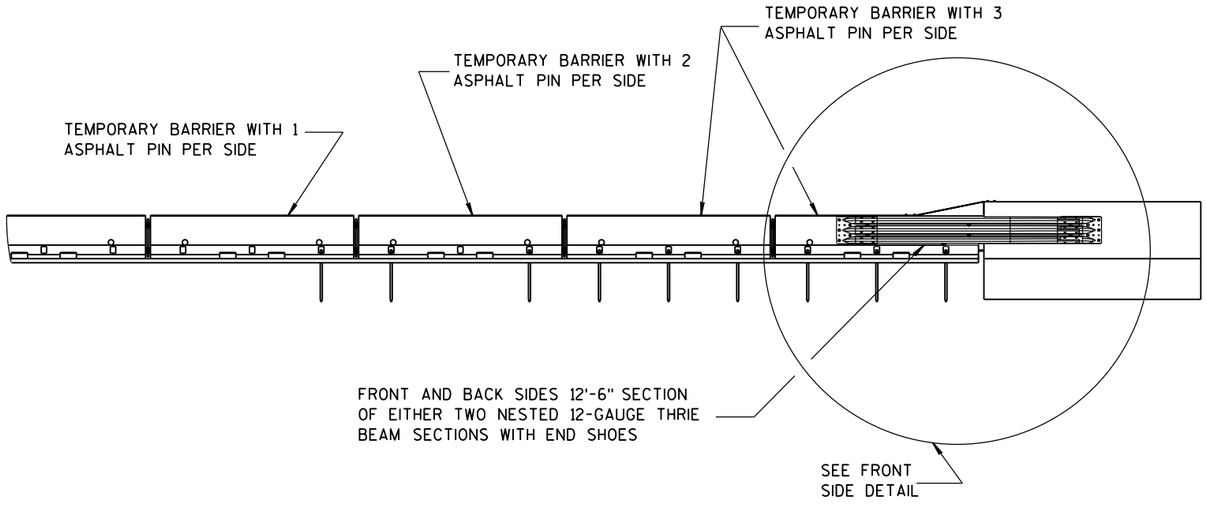
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

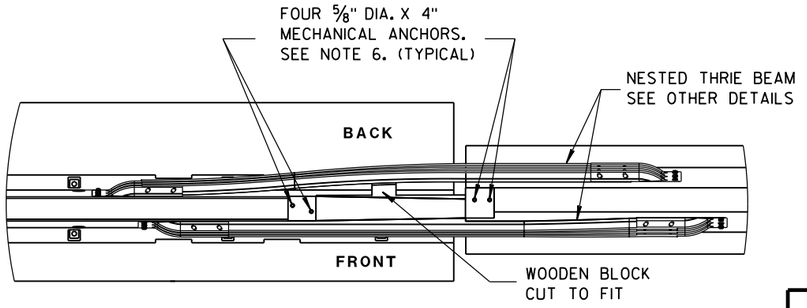
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6
S.D.D. 14 B 7-14e

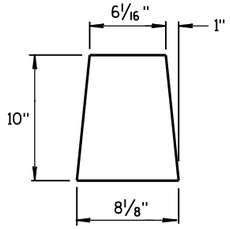
GUSSET 1

GUSSET 2

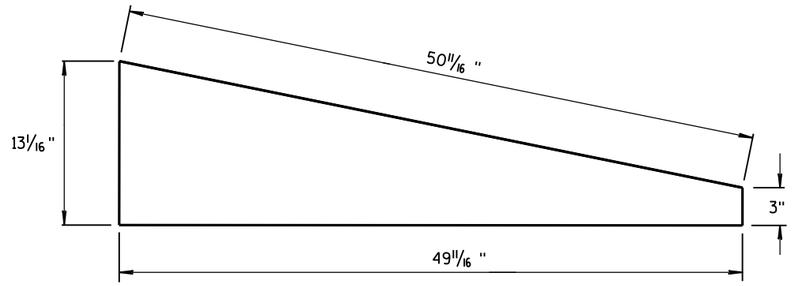
GUSSET 3

GUSSET 4

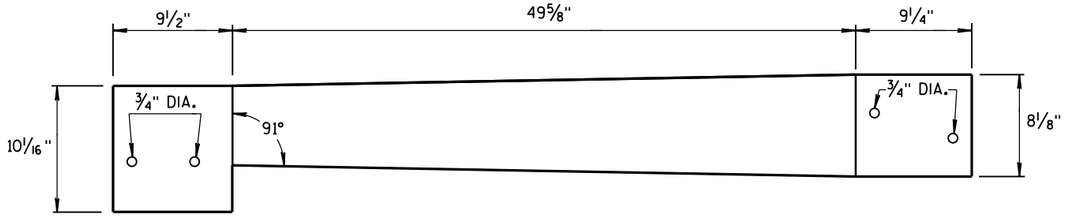
GUSSETS

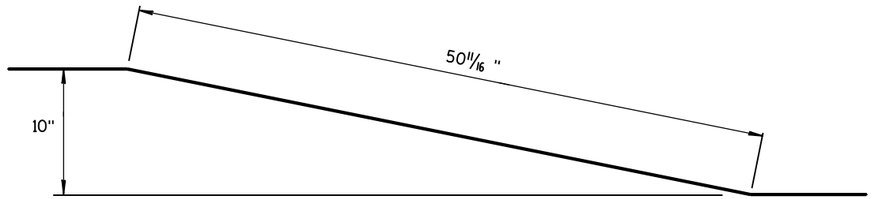


END PLATE

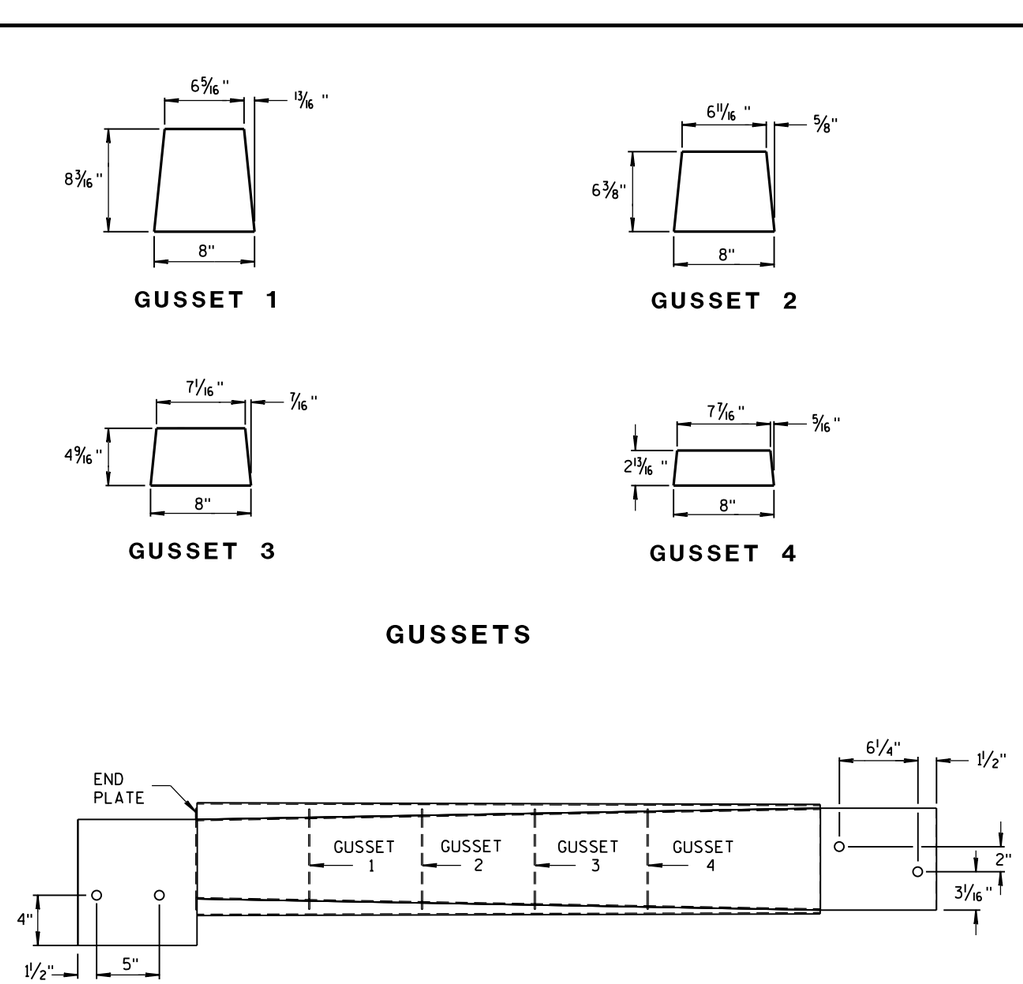


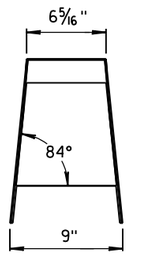
SIDE PLATE





TOP PLATE





SECTION C-C

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

NOTES

1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

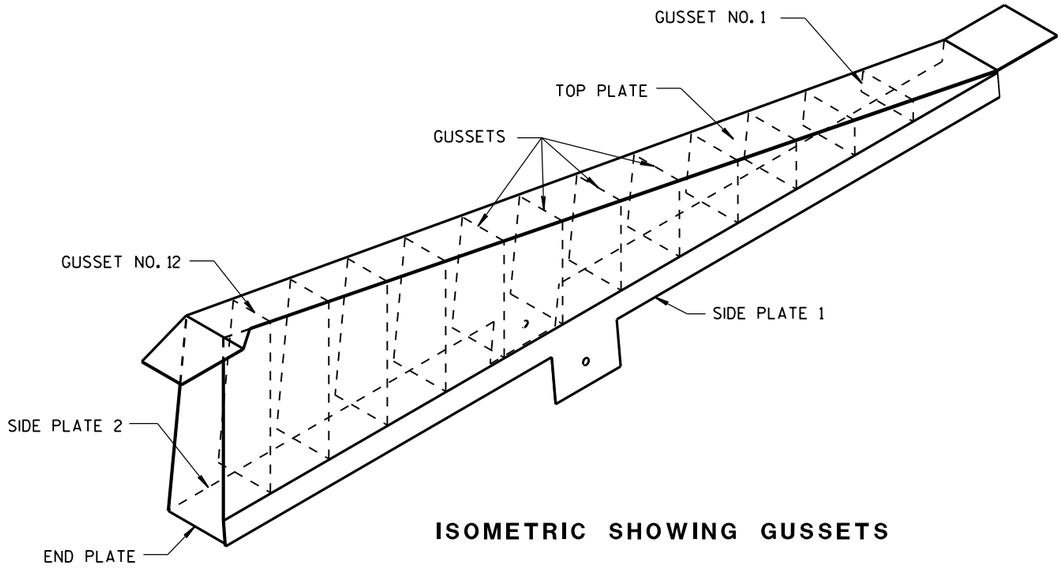
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

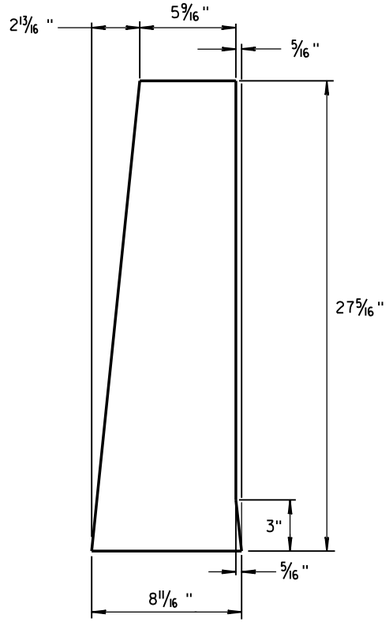
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-14f

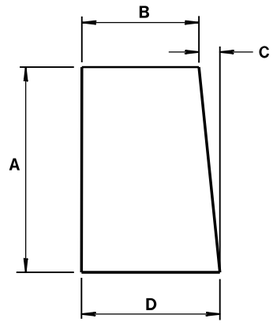


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



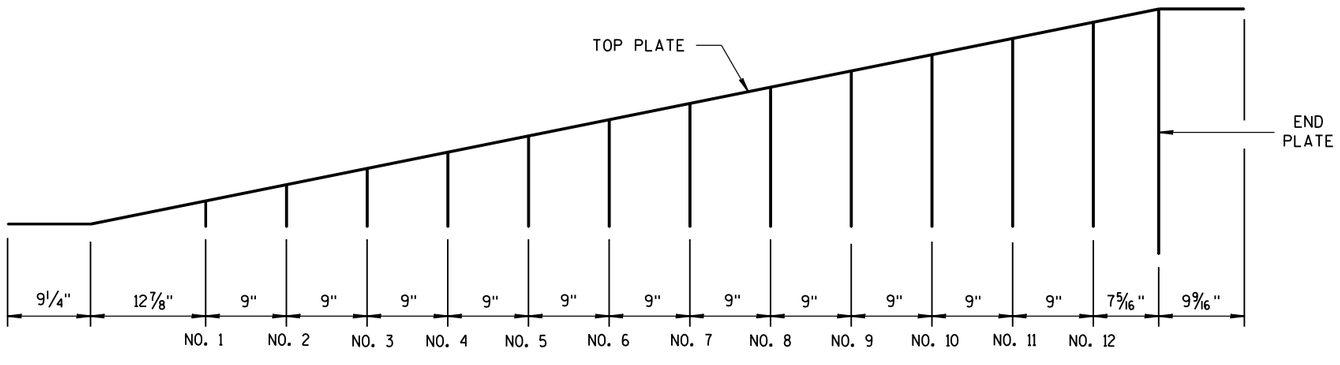
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

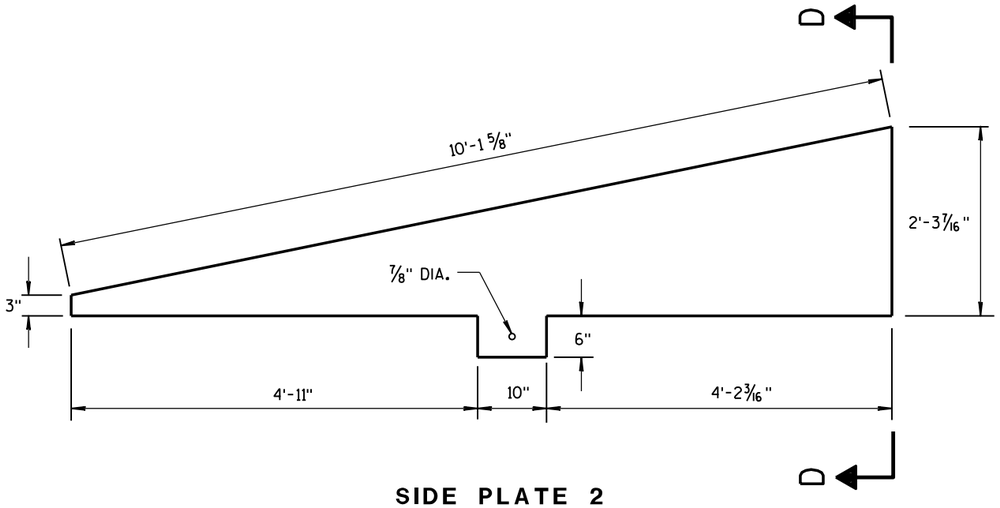
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

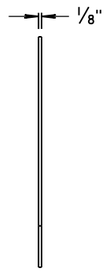
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

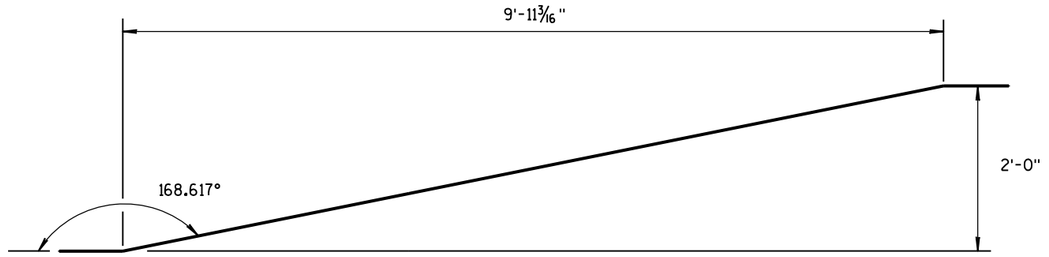
S.D.D. 14 B 7-14g



SIDE PLATE 2

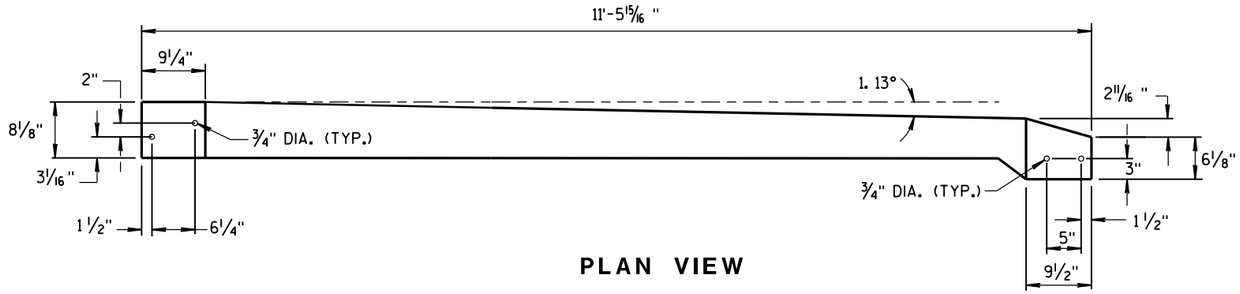


END VIEW



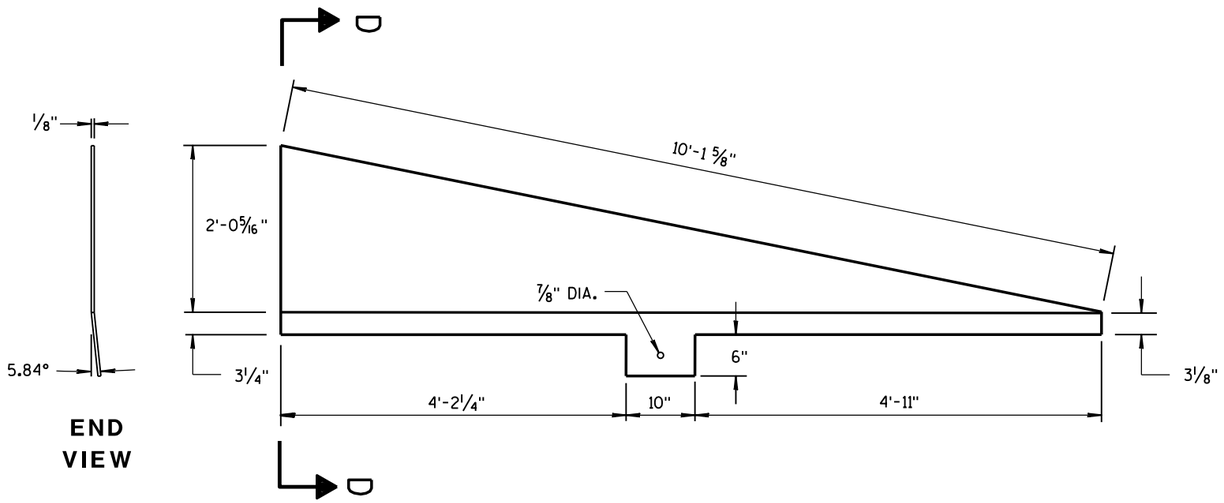
SIDE VIEW

TOP PLATE



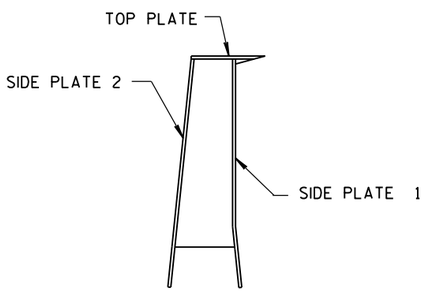
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

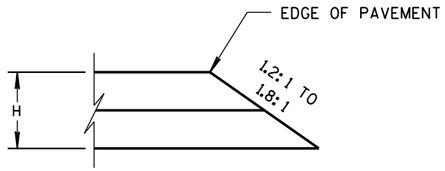
APPROVED
June 2014 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARD DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 7-14h

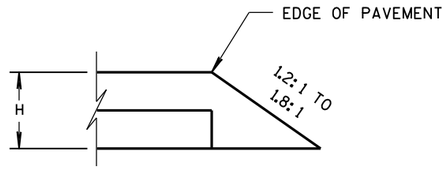
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S.D.D. 14 B 7-14h



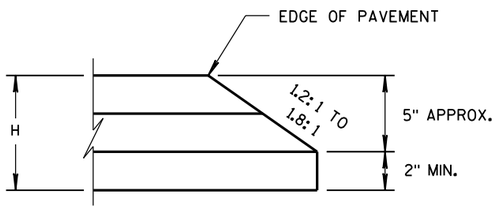
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



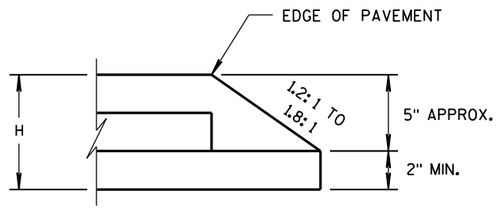
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

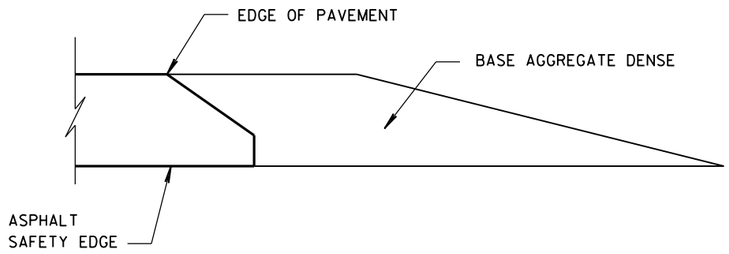
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

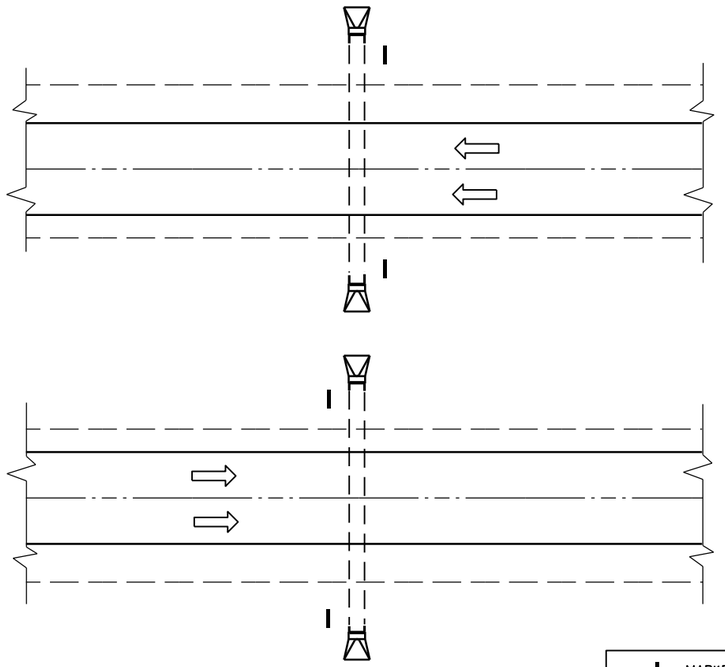
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

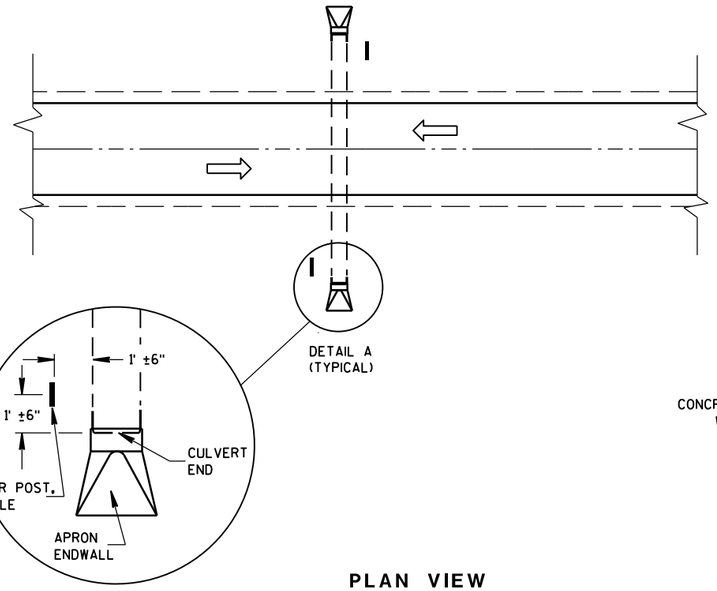
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

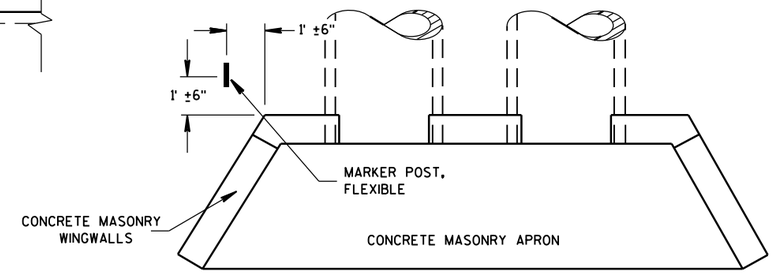
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

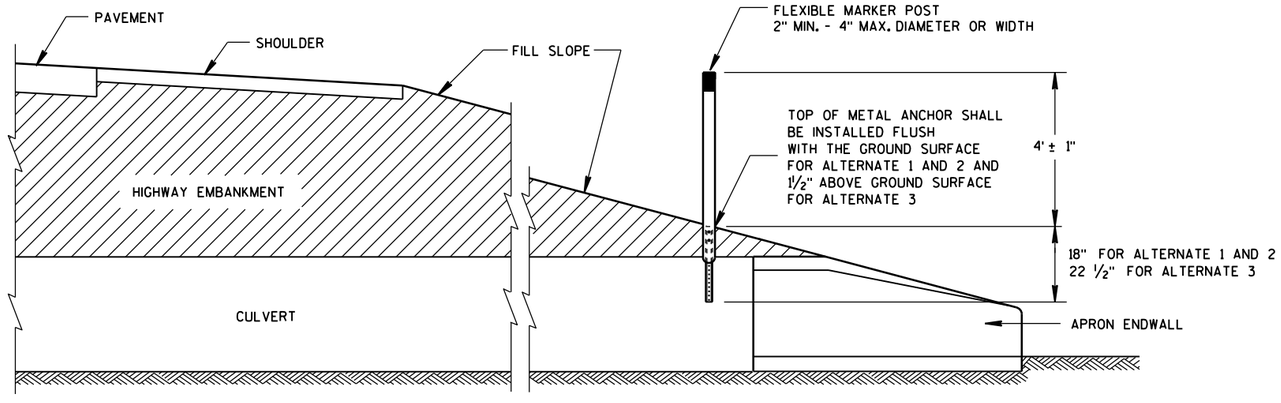
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

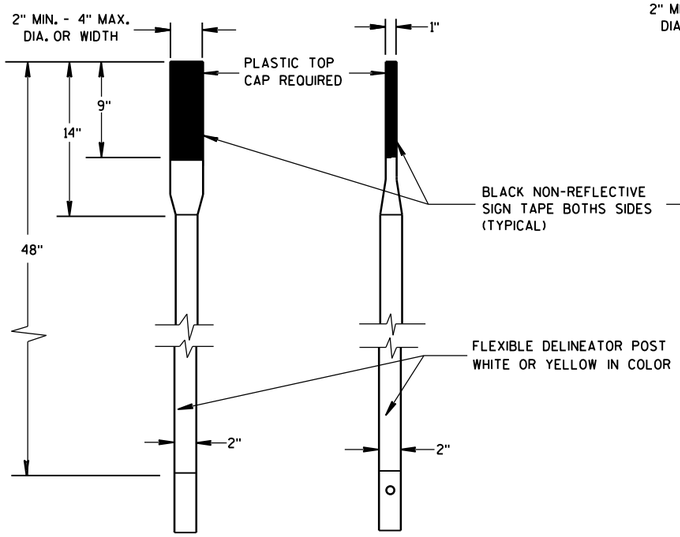
FLEXIBLE MARKER POST

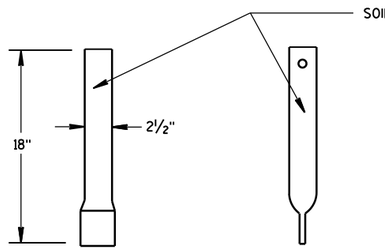
FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

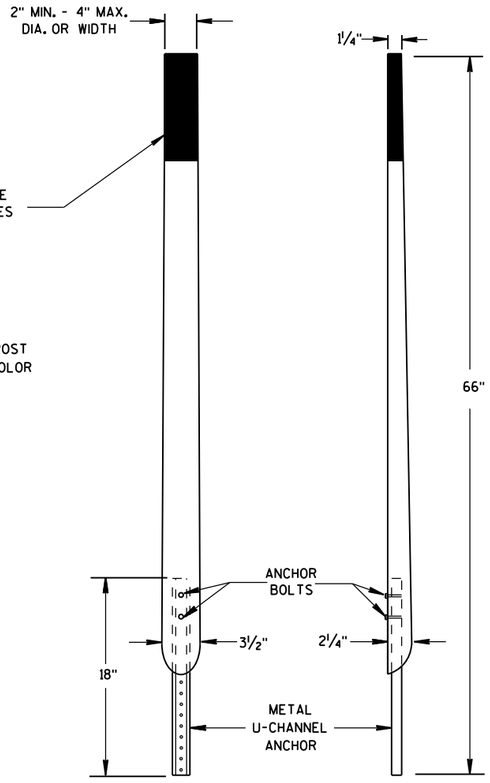
S.D.D. 15 A 3-2a





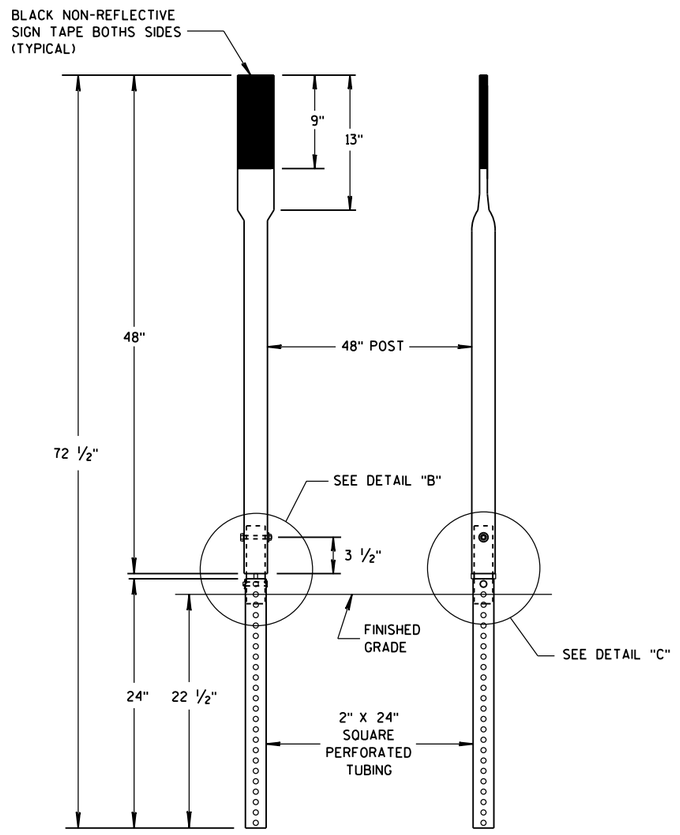
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

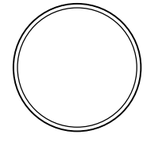
ALTERNATE 2



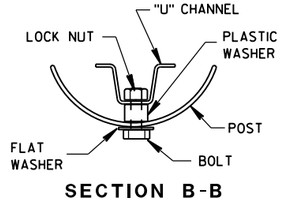
FRONT VIEW SIDE VIEW

ALTERNATE 3

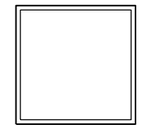
FLEXIBLE MARKER POSTS



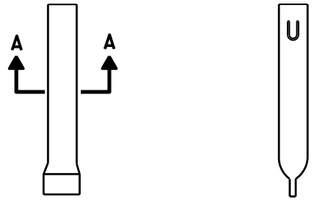
SECTION A-A



SECTION B-B

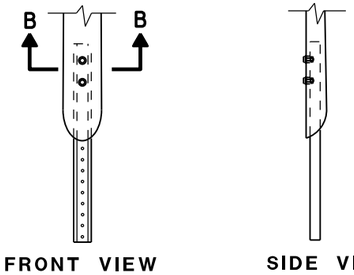


SECTION C-C



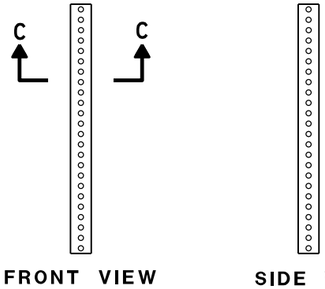
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

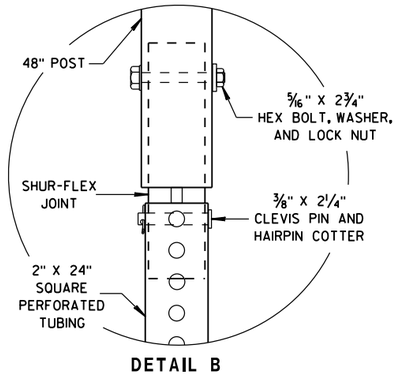
ALTERNATE 2



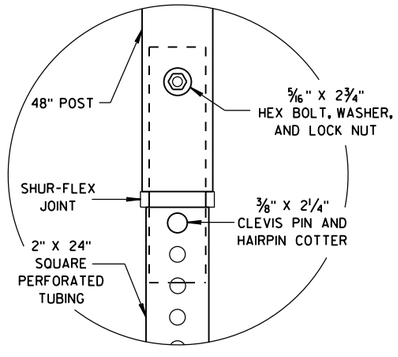
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

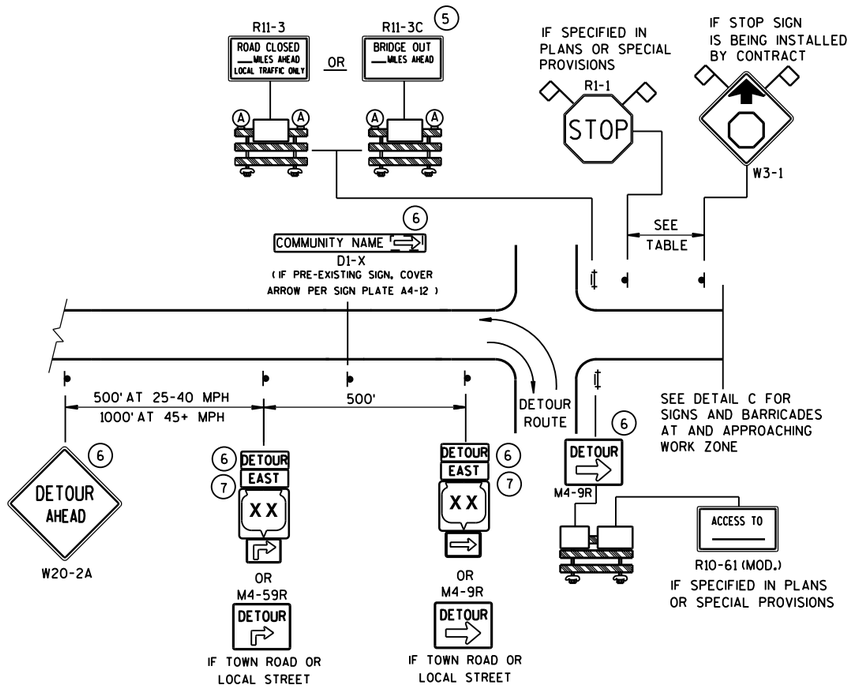
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

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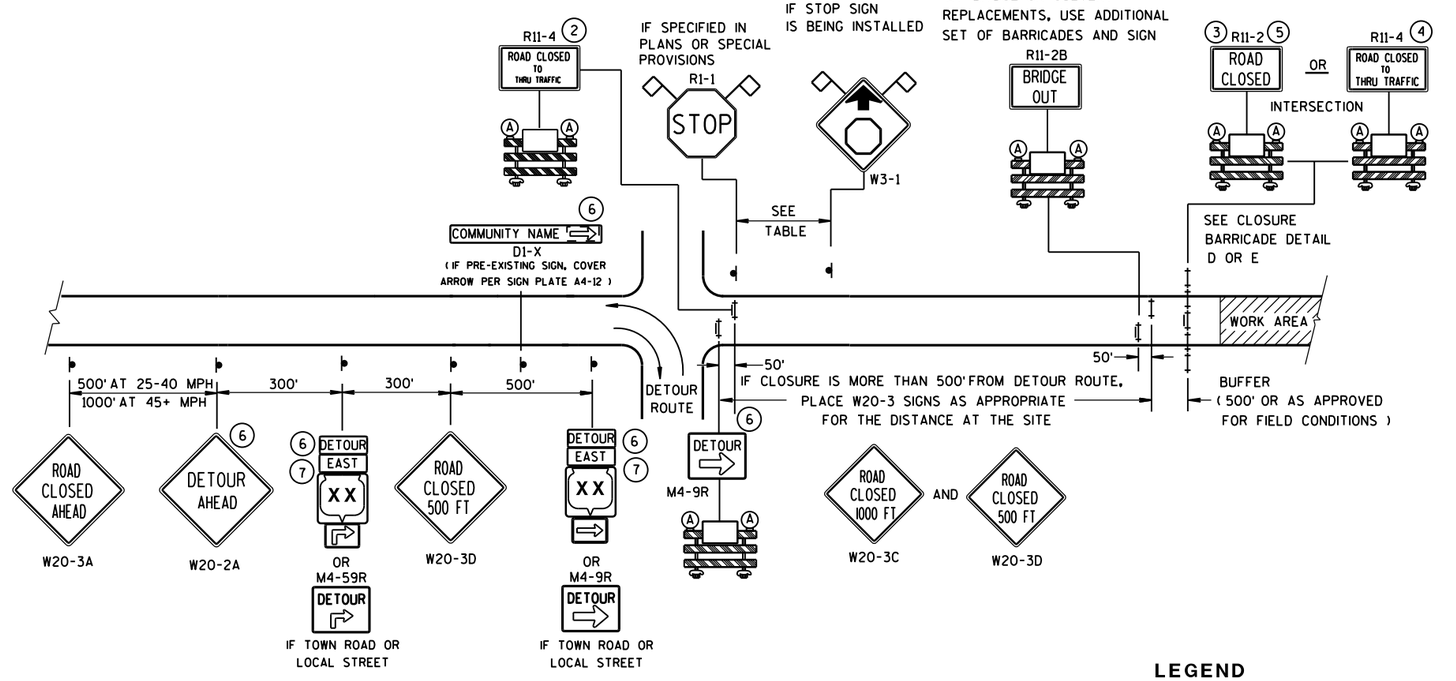
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

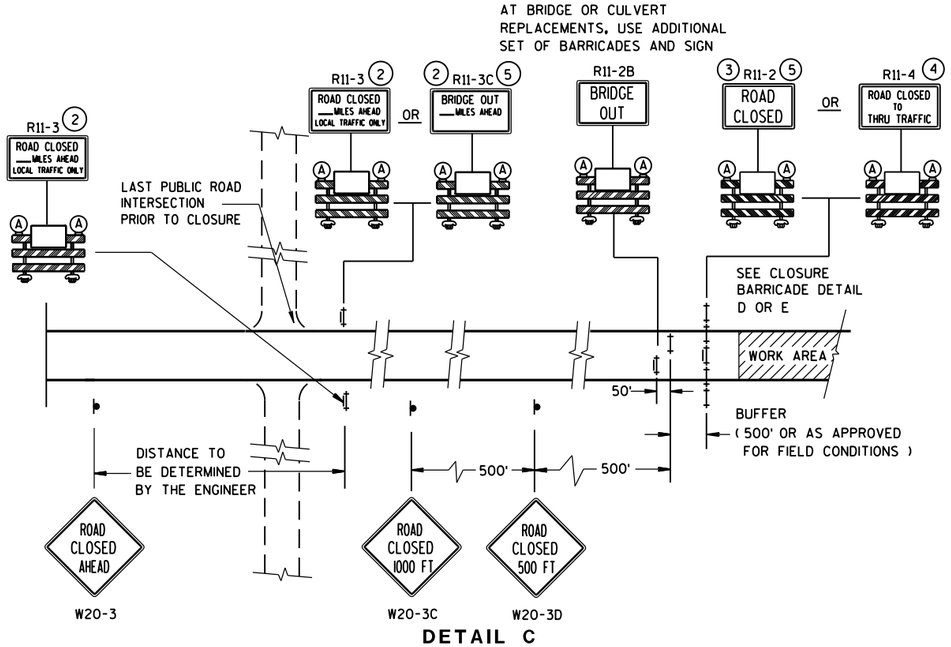
WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

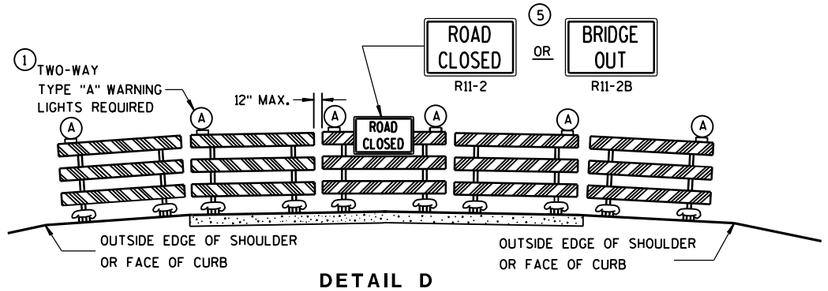
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

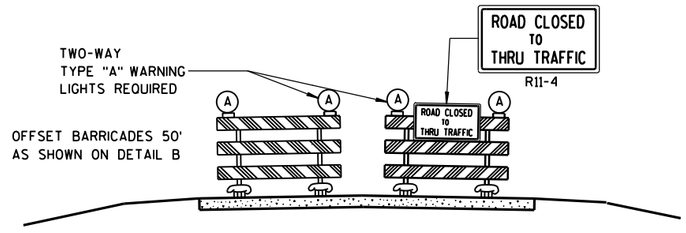
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

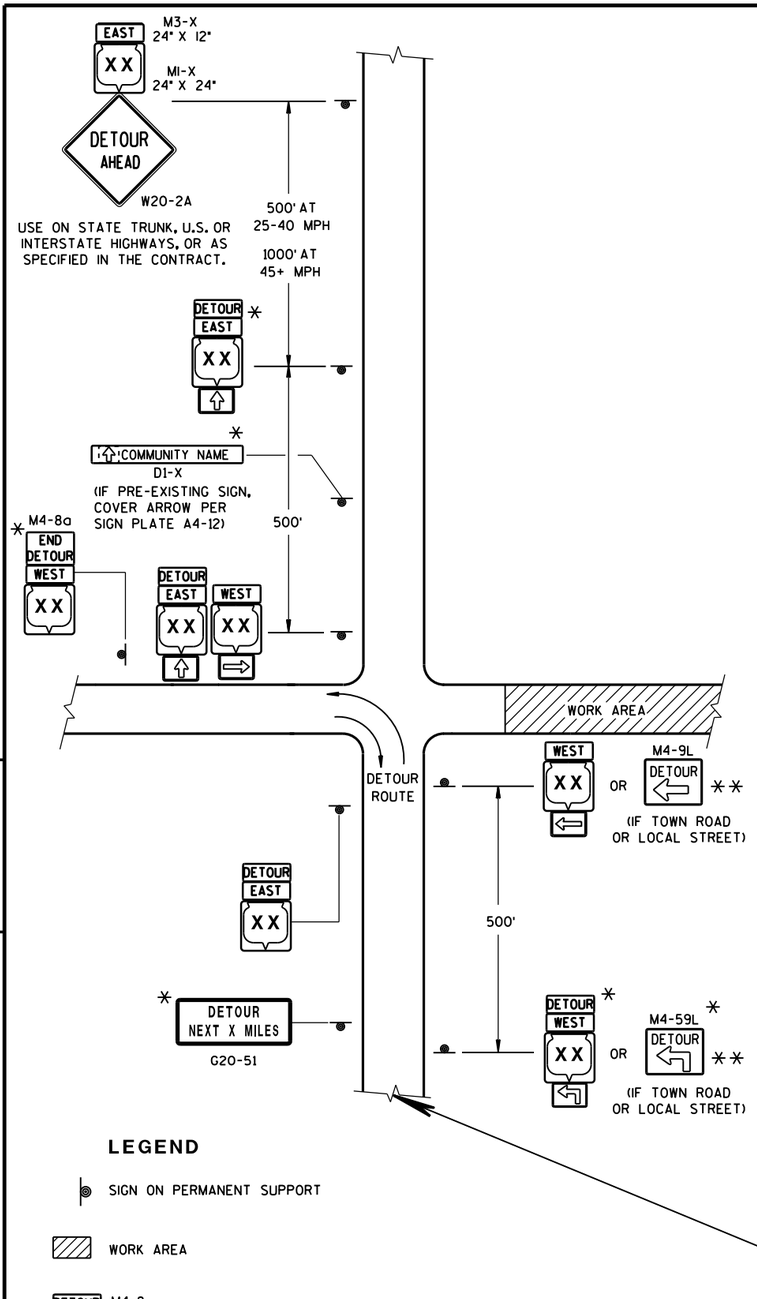
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC
FHWA

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S.D.D. 15 C 2-6b



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

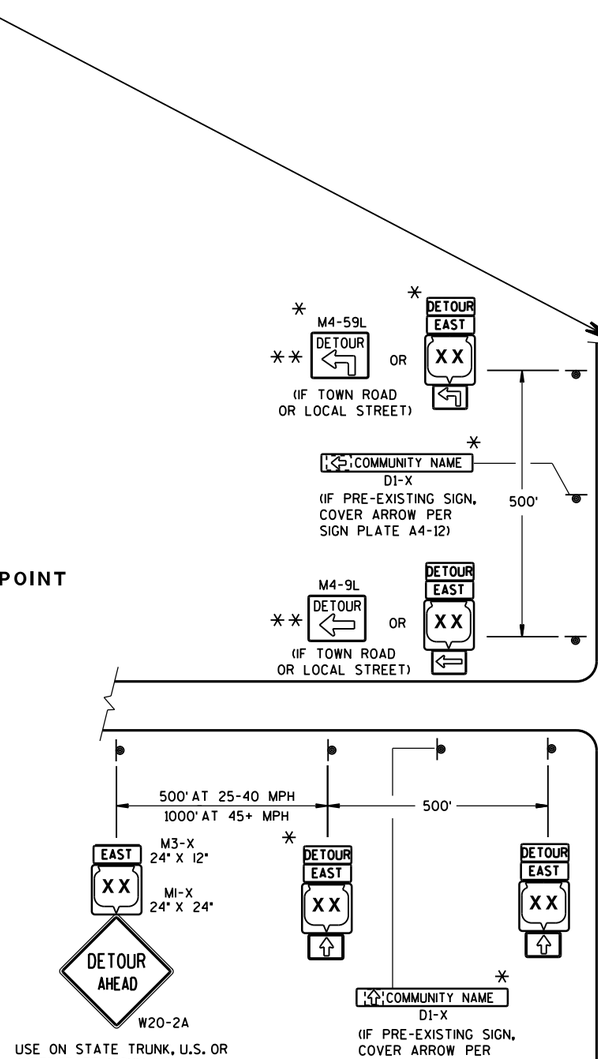
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

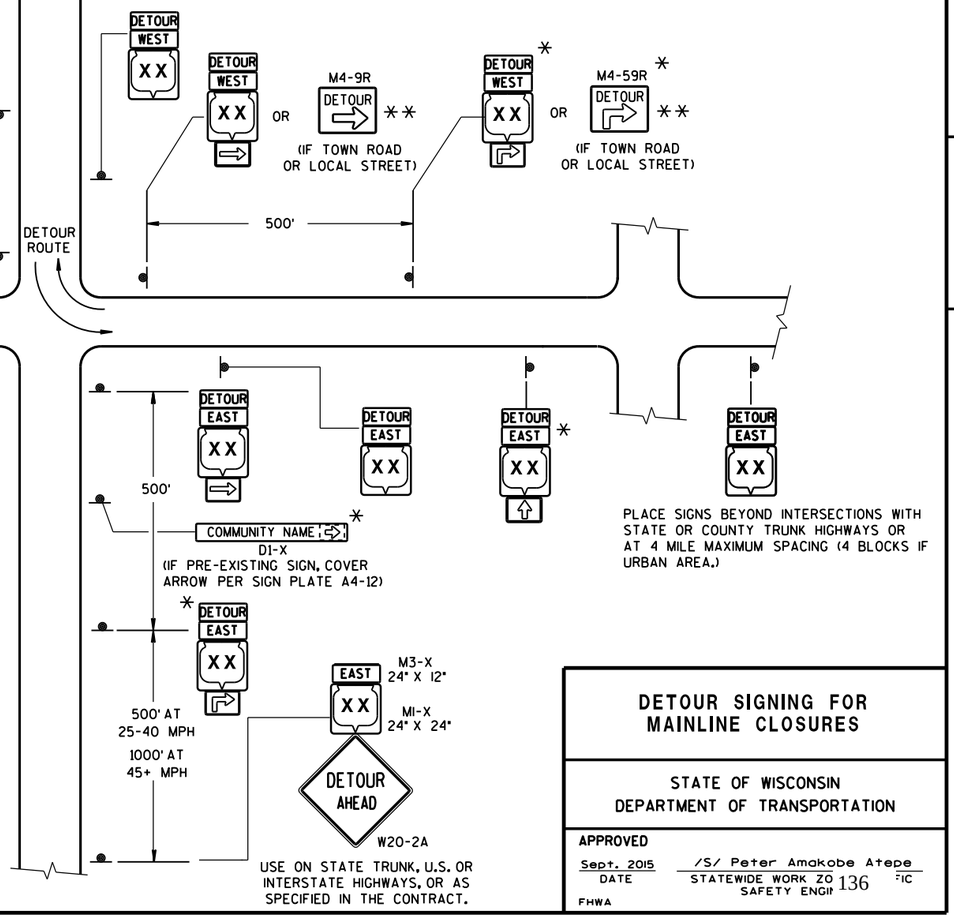
SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.





LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

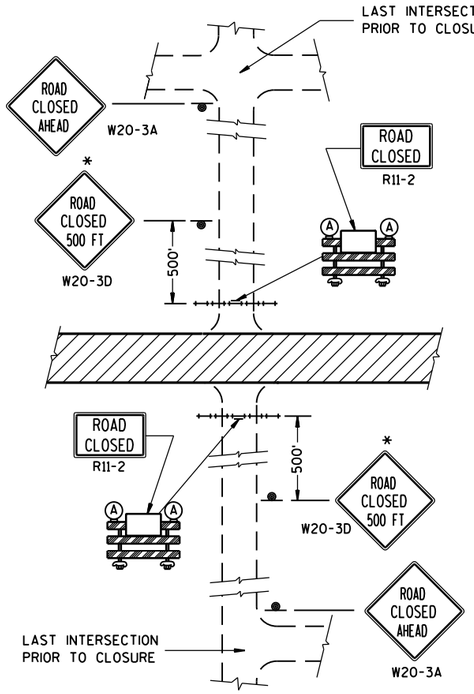
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] FIC
SAFETY ENGI[illegible]

FHWA

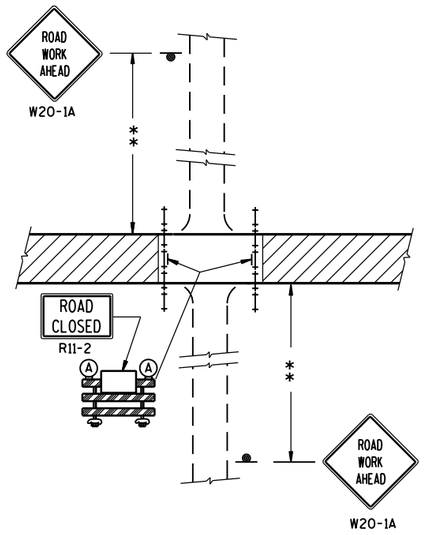
S.D.D. 15 C 2-6c

S.D.D. 15 C 2-6c



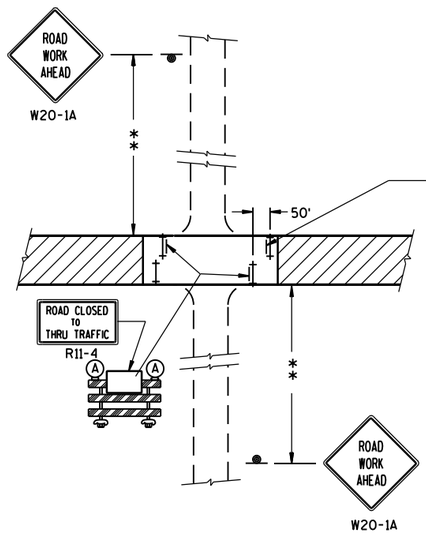
DETAIL 1

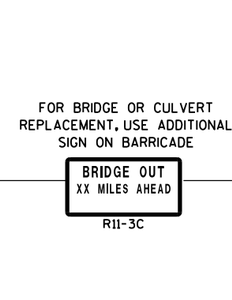
(NO ACCESS TO PROJECT)



DETAIL 2

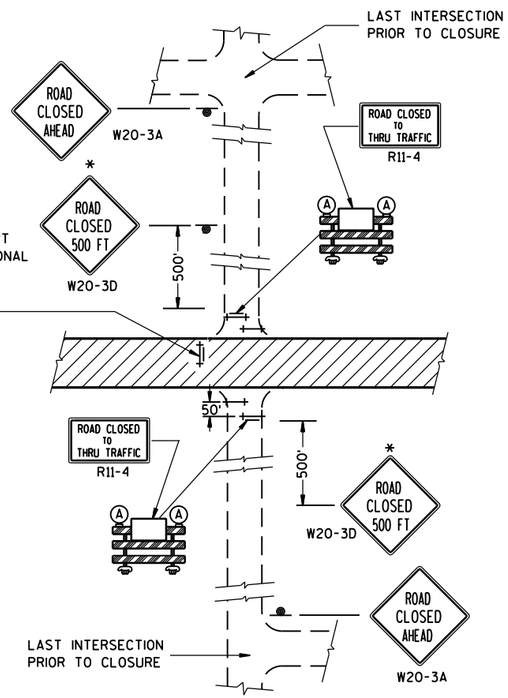
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

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

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

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

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

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

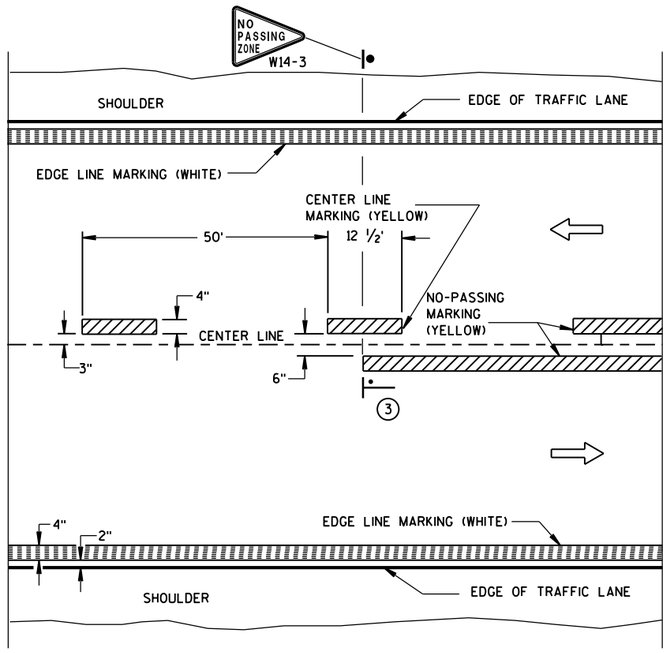
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

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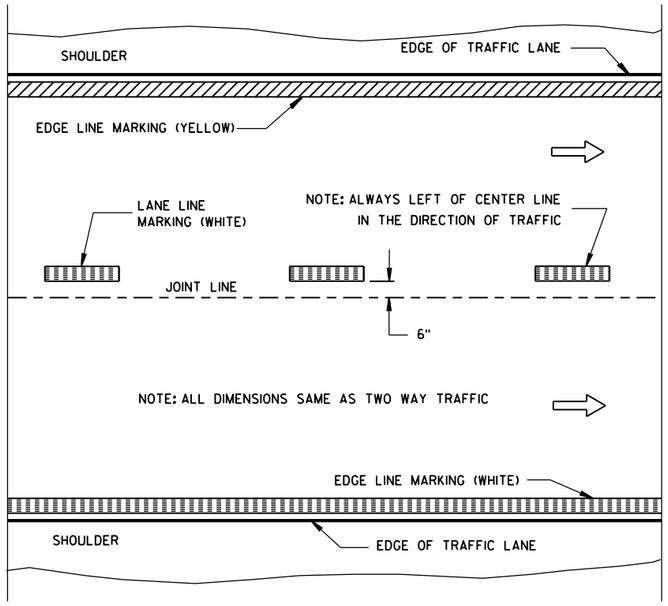
S.D.D. 15 C 3-3

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S.D.D. 15 C 3-3

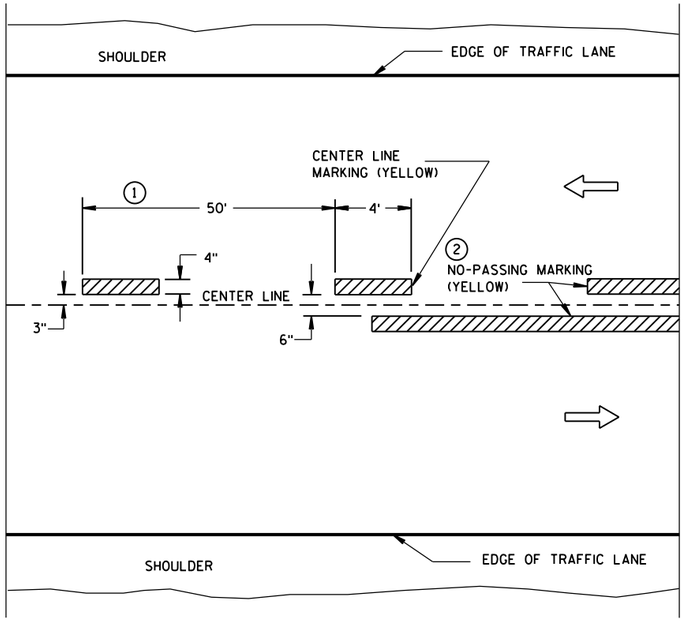


TWO WAY TRAFFIC

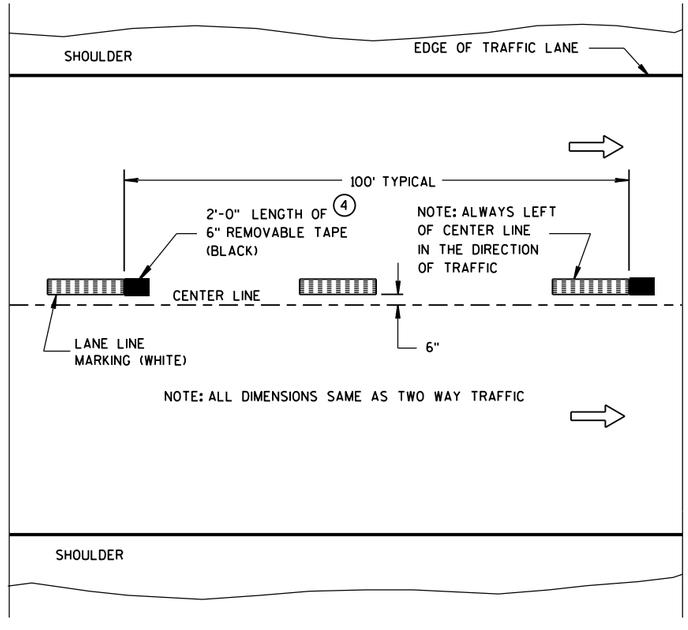


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

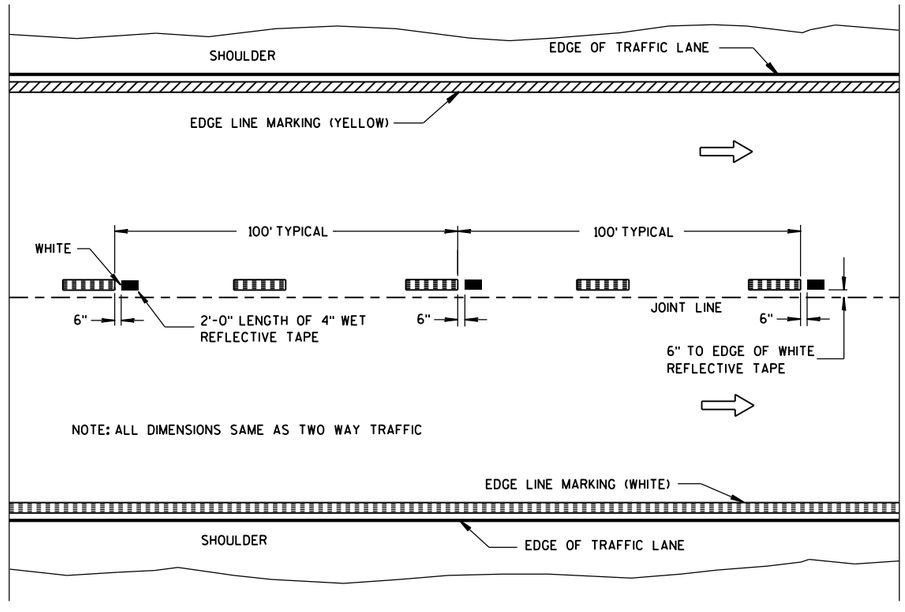
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC E

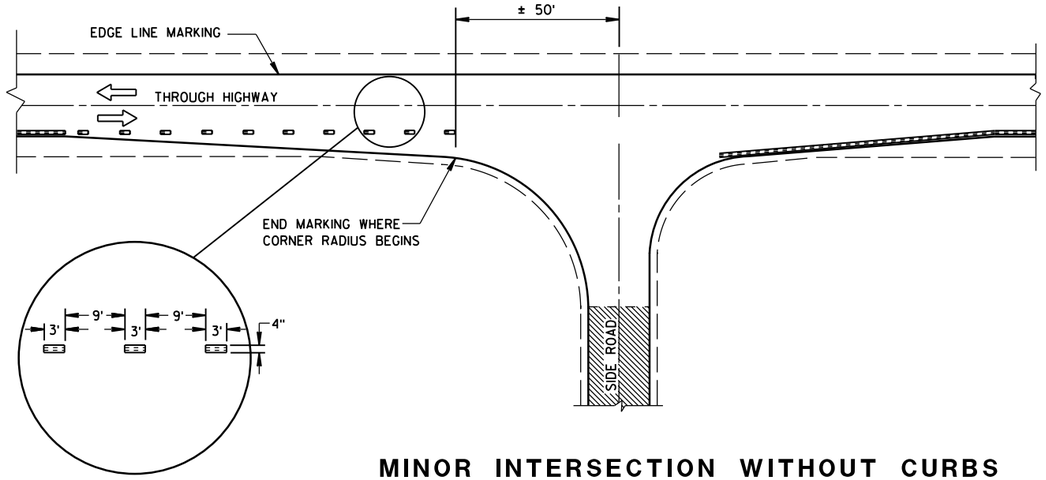
FHWA

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S.D.D. 15 C 8-16a

6

S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

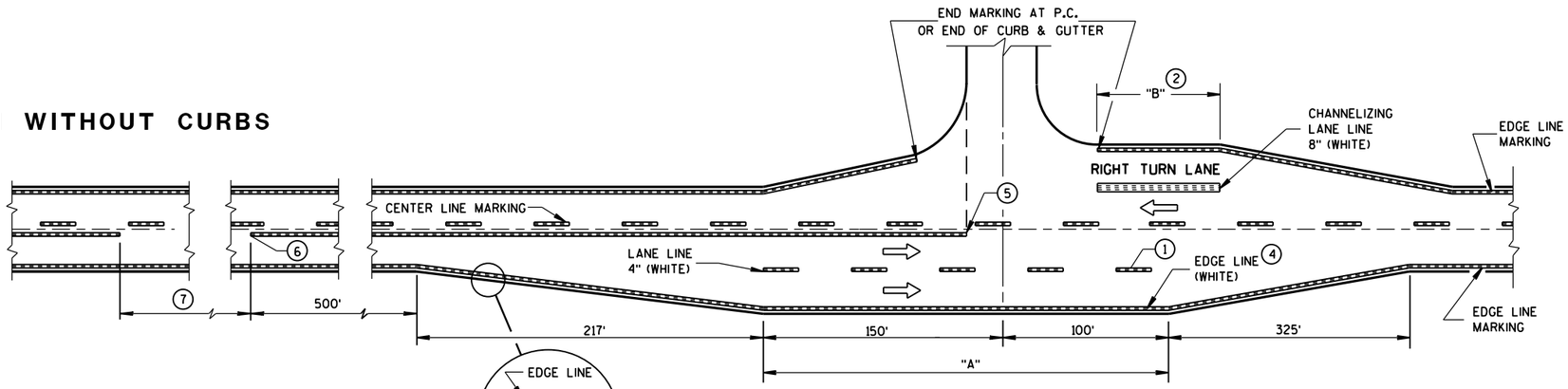
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

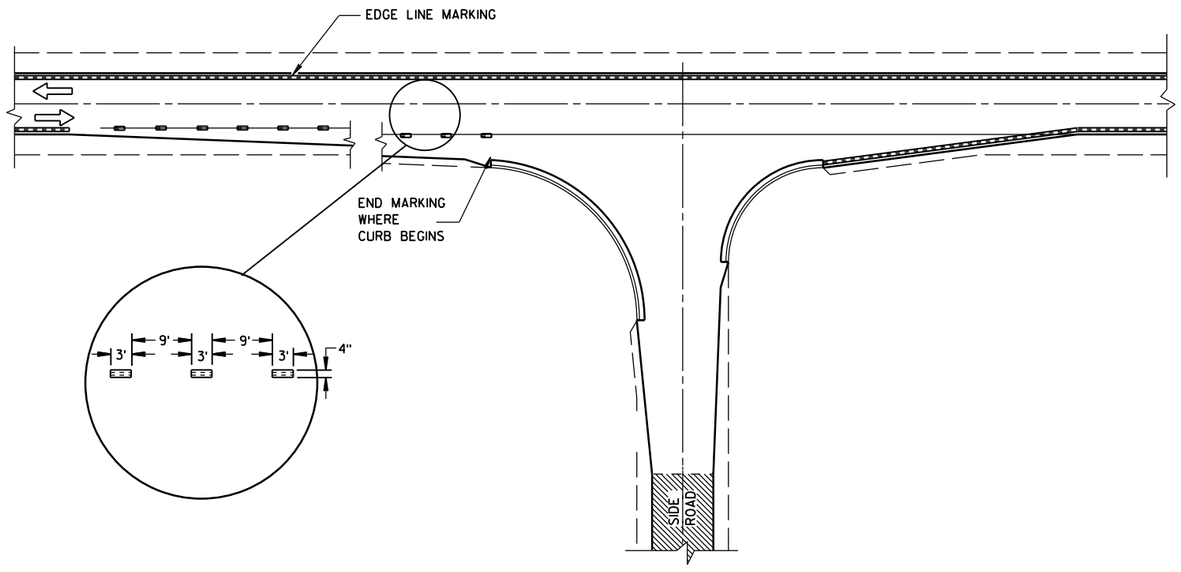
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



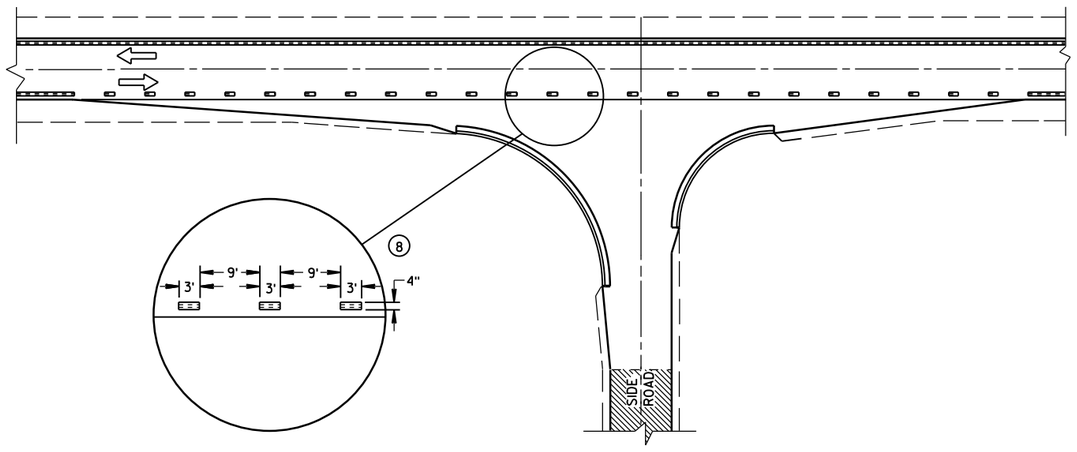
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

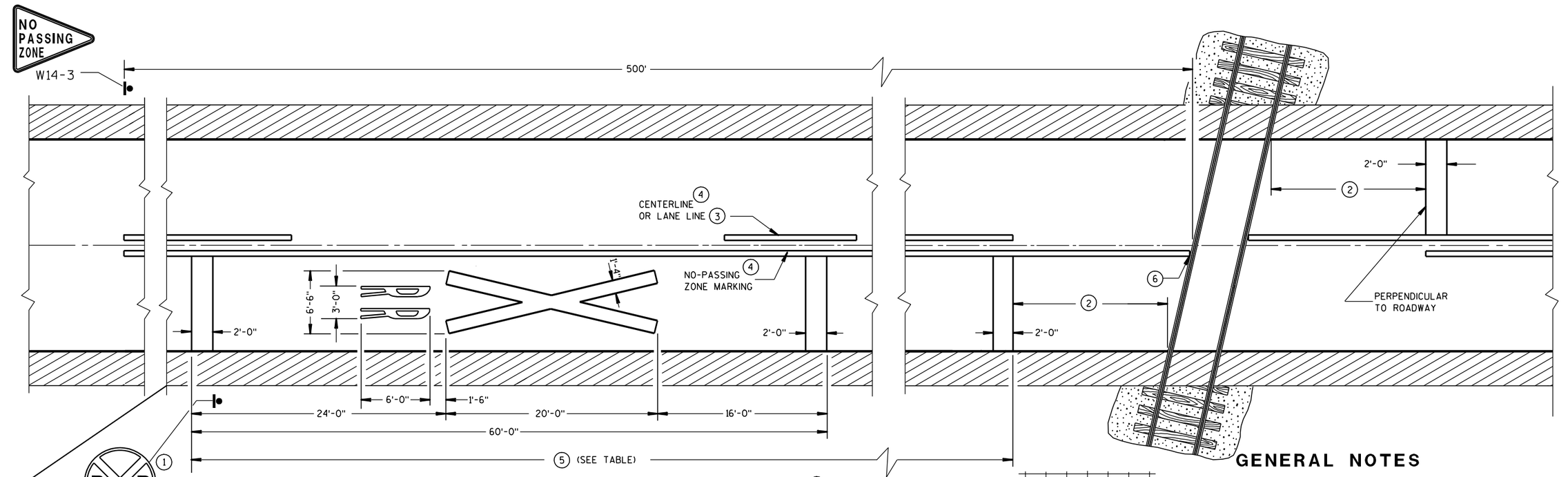
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

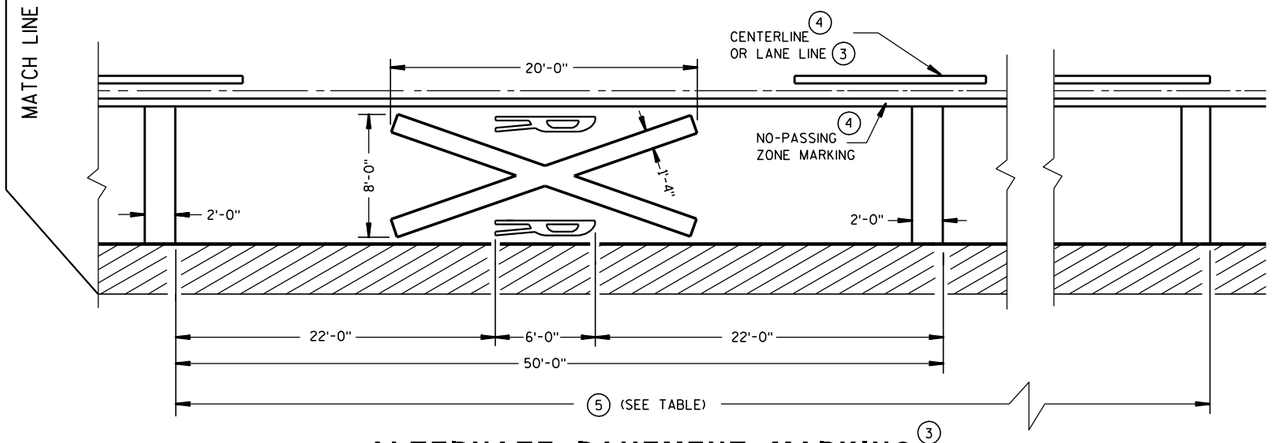
S.D.D. 15 C 8-16b

6

S.D.D. 15 C 8-16b



PREFERRED PAVEMENT MARKING 3

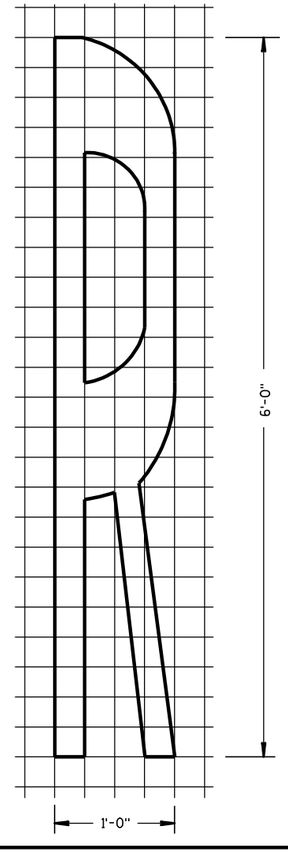


ALTERNATE PAVEMENT MARKING 3

5

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



GENERAL NOTES

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

A THREE-LANE ROADWAY SHOULD BE MARKED WITH A CENTERLINE FOR TWO-LANE APPROACH OPERATION ON THE APPROACH TO A CROSSING.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE. ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH THE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" (ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION).

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

1. A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).
2. MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
3. REFLECTIVE WHITE.
4. REFLECTIVE YELLOW 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
5. TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

1-9-2012
DATE

/S/ Thomas N. [illegible]
STATE TRAFFIC ENGINEER

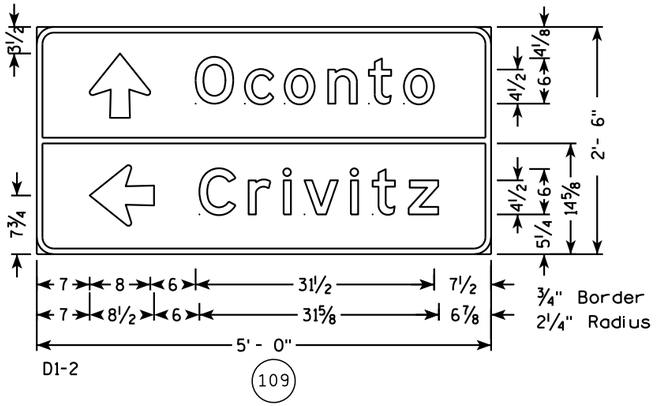
FHWA

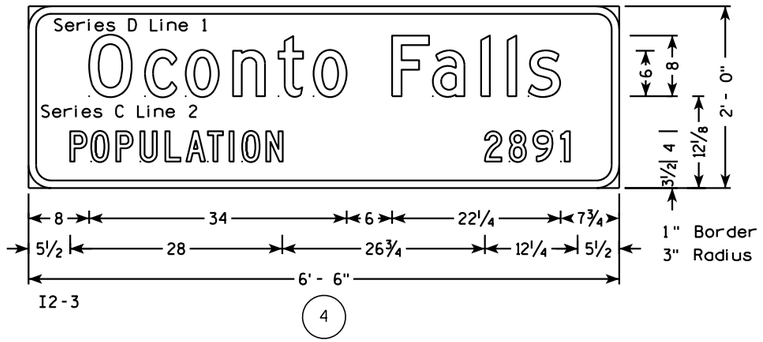
6

S.D.D. 15 C 9-9a

6

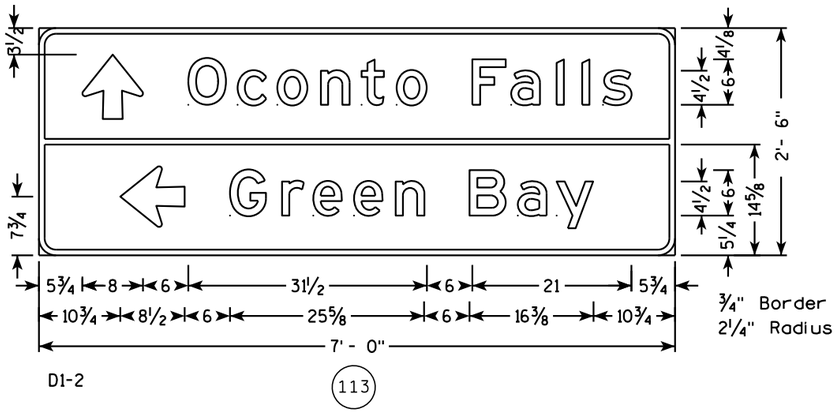
S.D.D. 15 C 9-9a

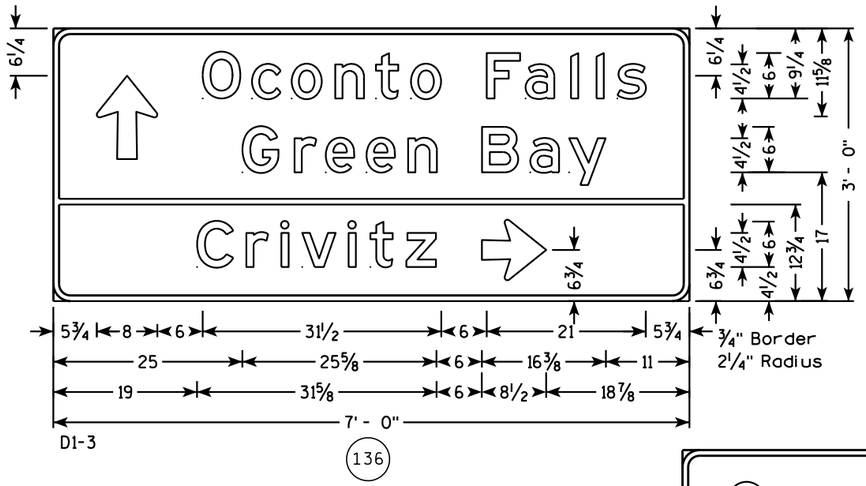


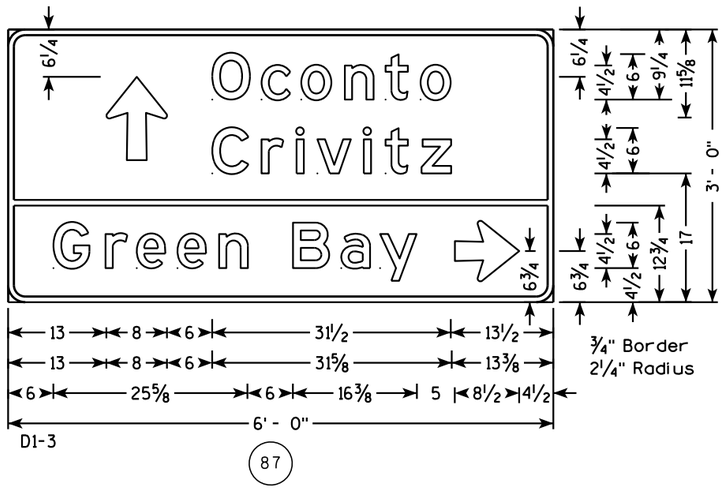


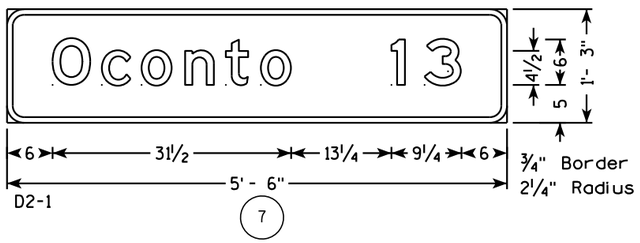
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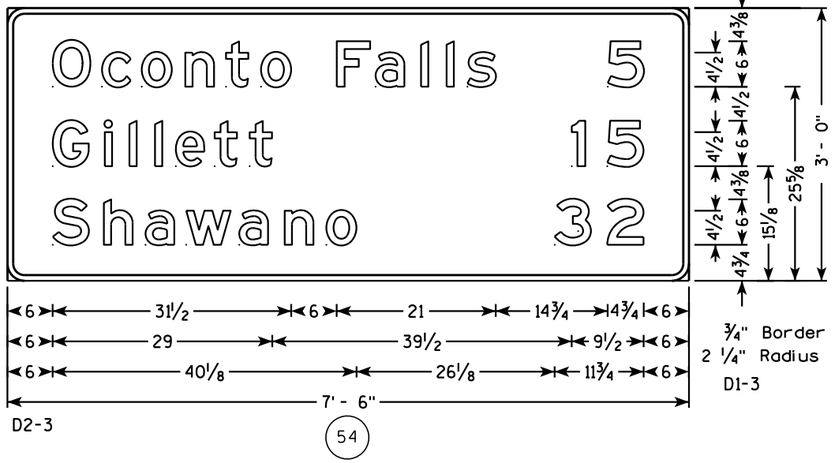
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E except as noted











PLAN SHEET PRODUCED
BY WisDOT-NE REGION

7

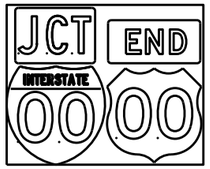
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PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	SIGN DETAILS	SHEET NO: 141	E

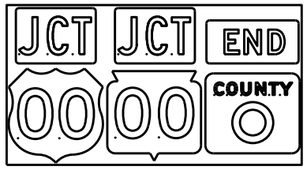
TYPICAL ASSEMBLIES



J1-1



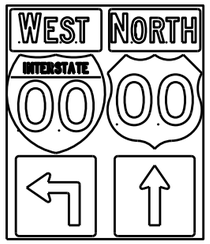
J1-2



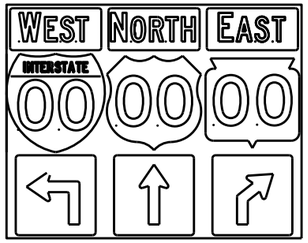
J1-3



J2-1



J2-2

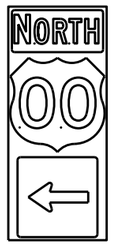


J2-3

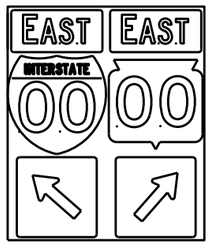


JV

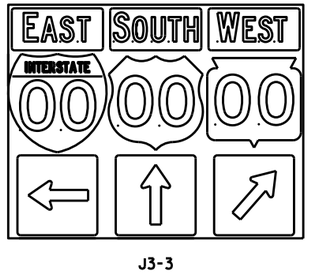
(Typical Vertical J-Assembly
See Note 10 and 11)



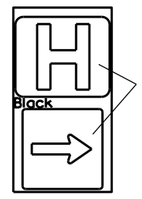
J3-1



J3-2



J3-3

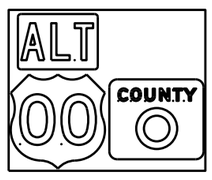


Blue Background

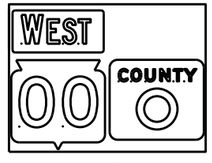
JH-1



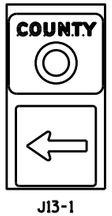
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

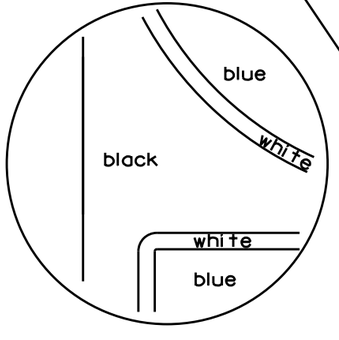


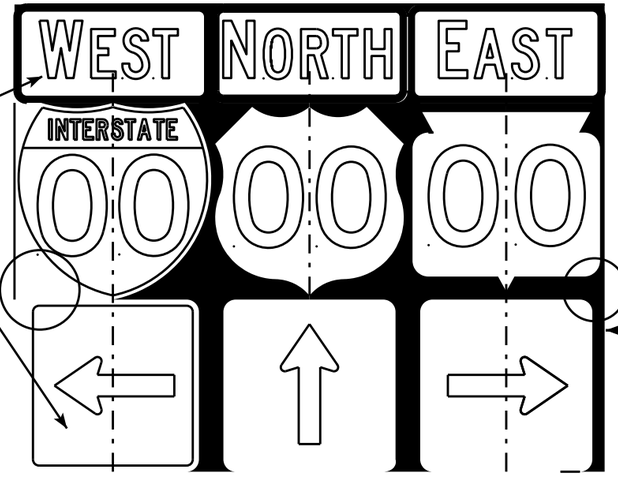
J23-1

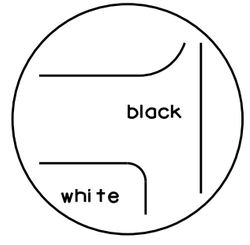


J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

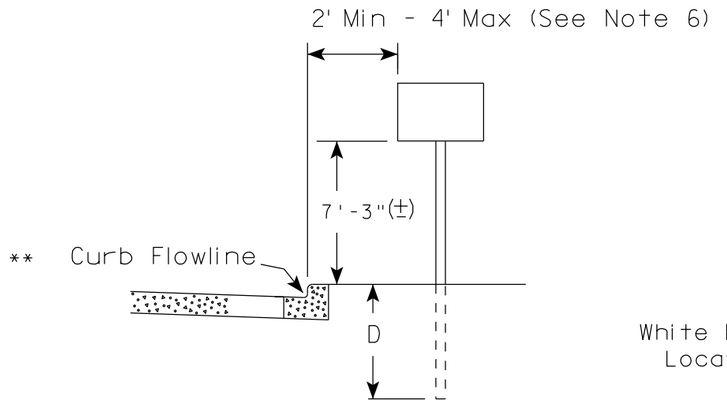
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

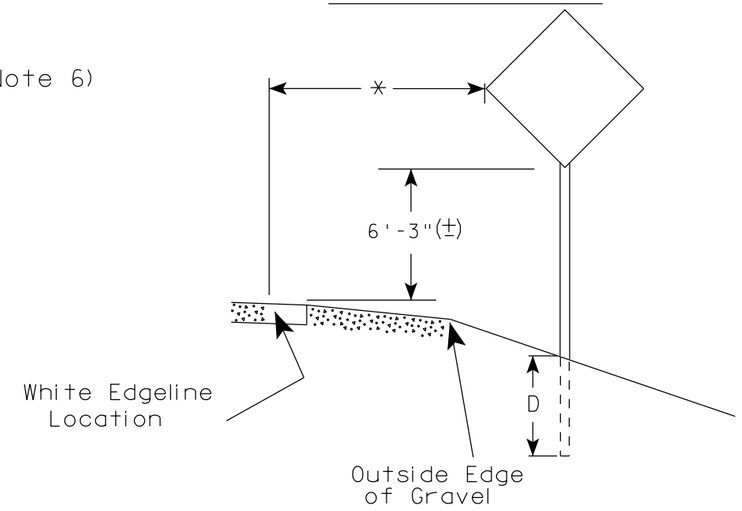
PROJECT NO: | SHEET NO: E

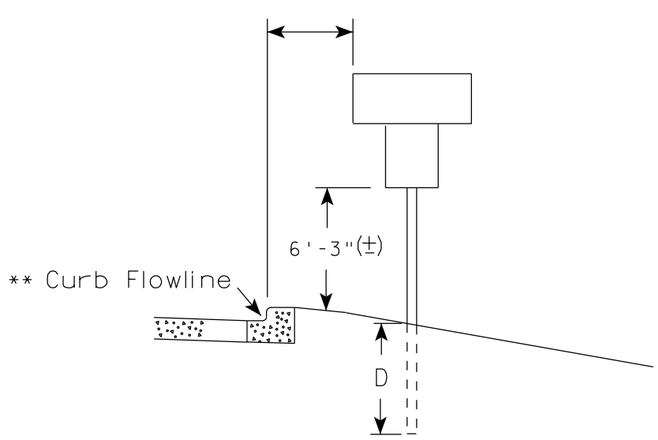
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

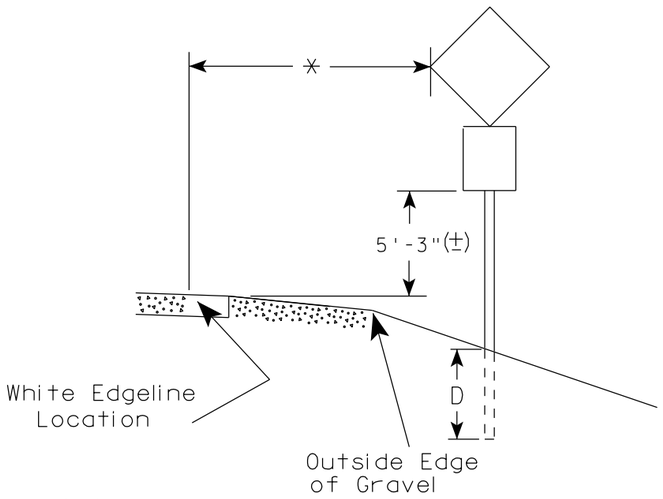
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

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

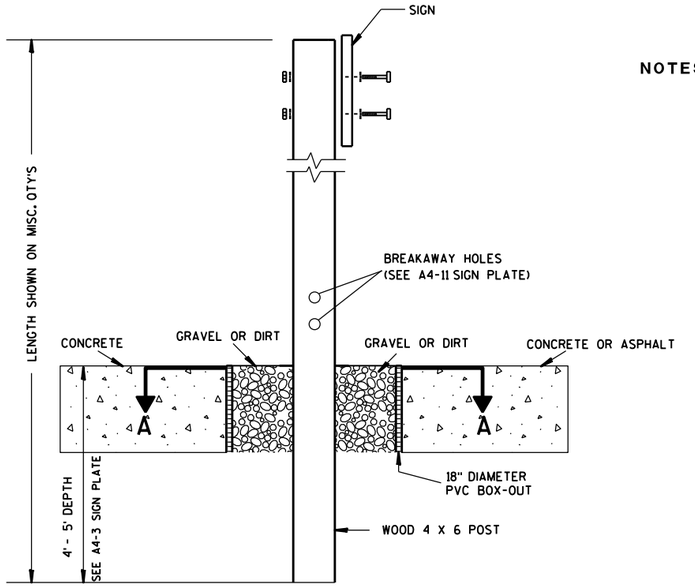
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

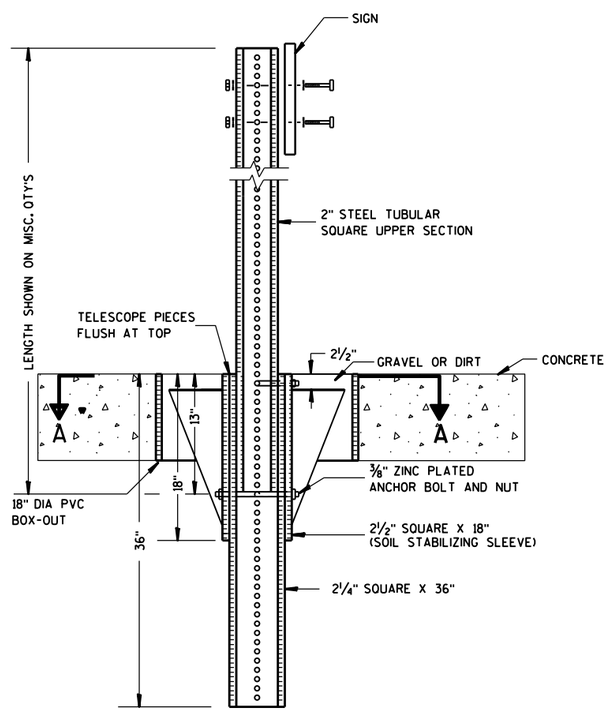
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

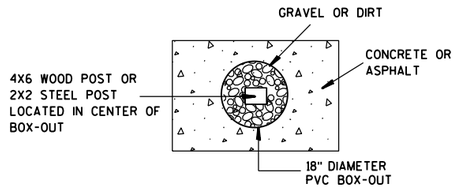
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

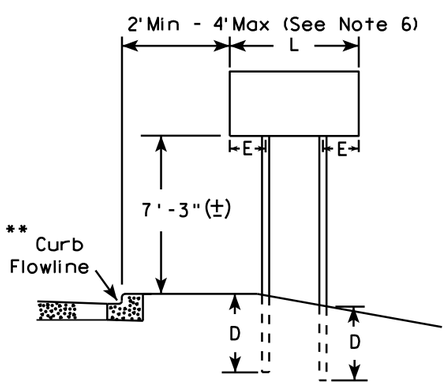
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

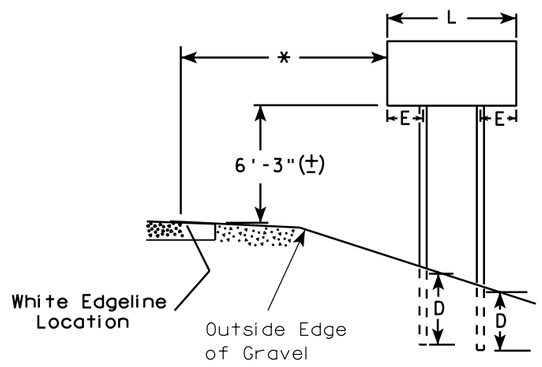
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

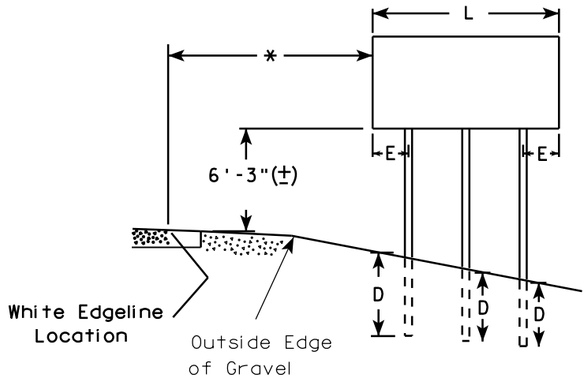
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

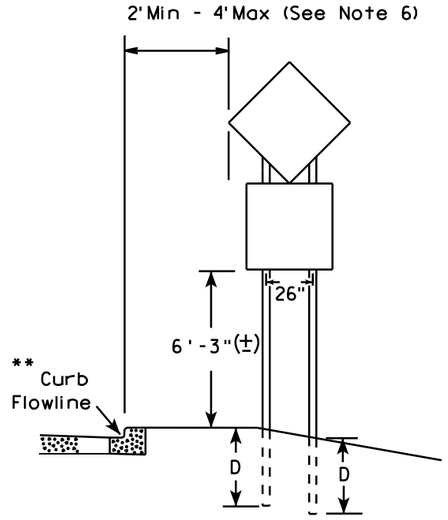
URBAN AREA



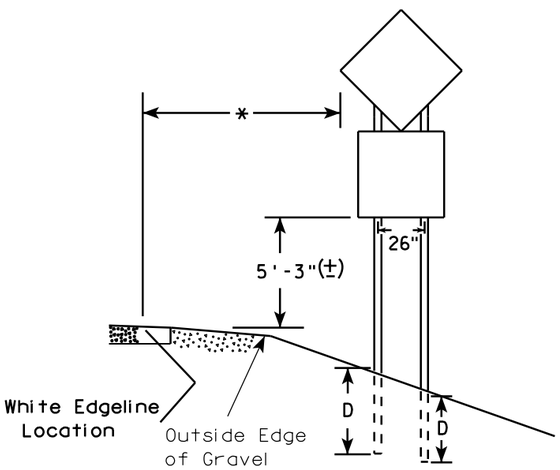
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

***

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

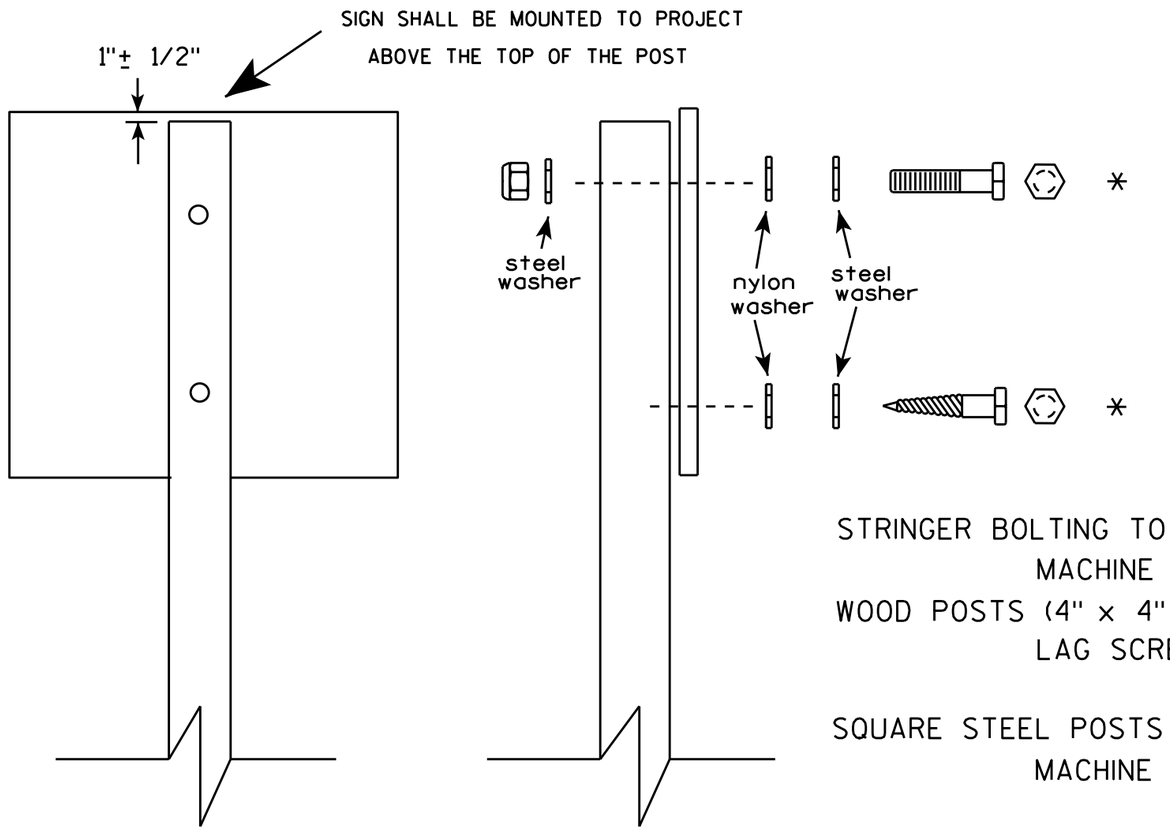
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14
145

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 23-JUL-2015 15:23 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

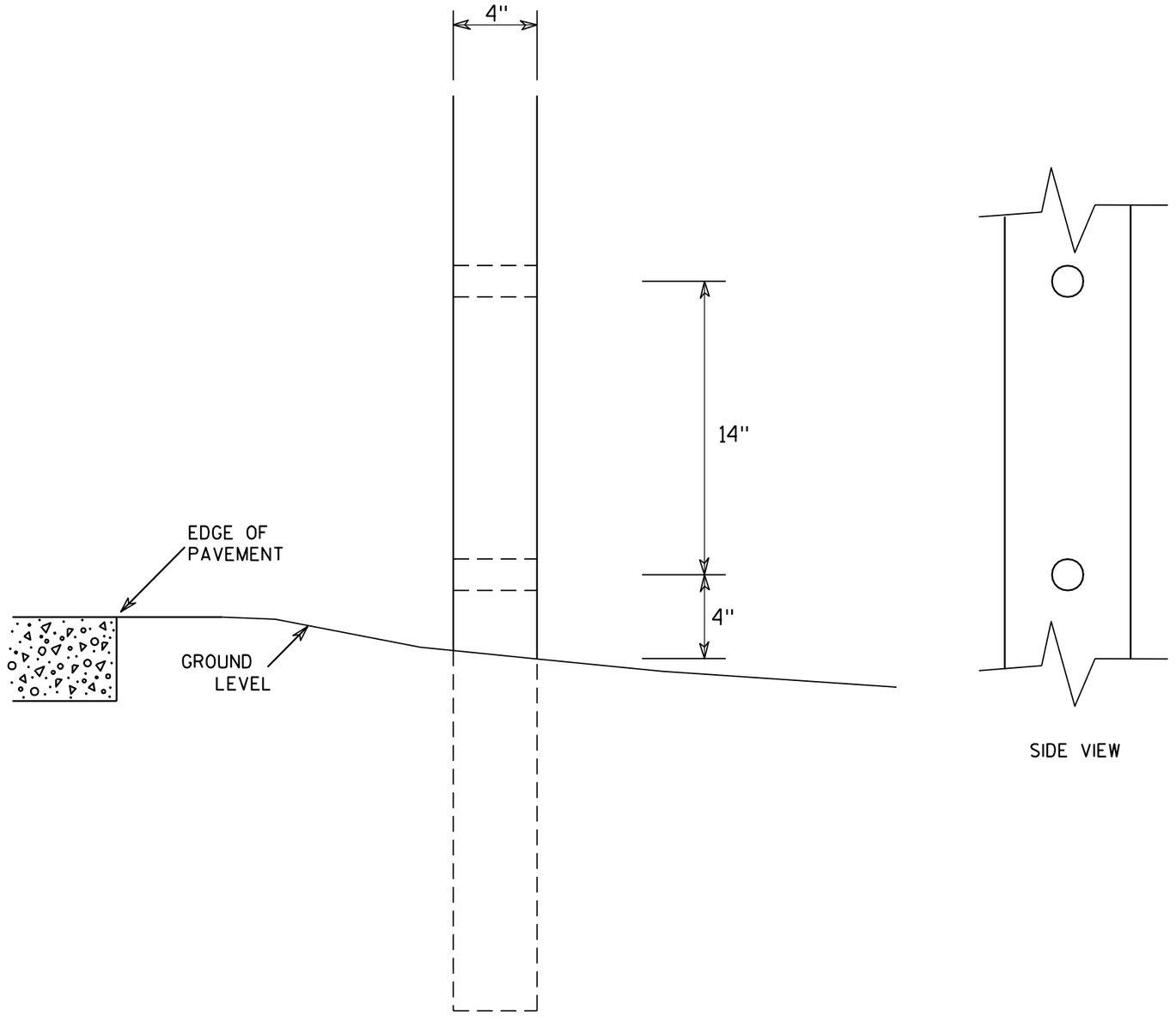
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/27/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 27-APR-2016 09:07 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

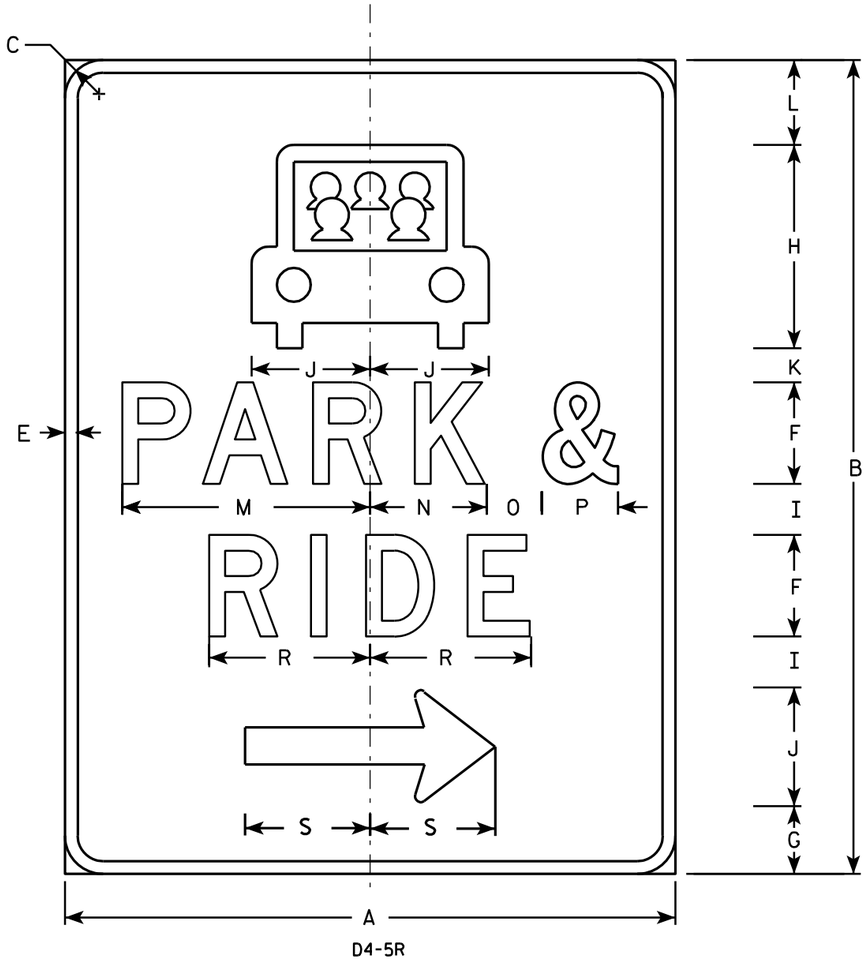
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

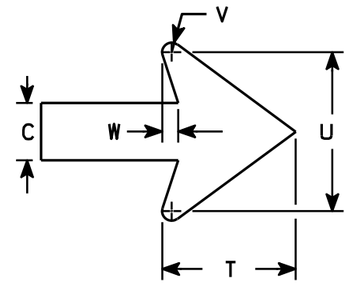
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 147	E



D4-5R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The D4-5L is the same as a D4-5R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	36	1 3/8		5/8	5	1 3/8	9	2	5	1 5/8	5	11 3/4	5 1/2	2 3/4	3 3/4		8	6 1/8	4	4 3/8	3/8	1/2				7.50
3	36	48	2 1/4		3/4	6	4	12	3	7	2	5	14 5/8	6 7/8	3 1/4	4 1/2		9 1/2	7 1/2	5 1/4	6 1/4	3/8	5/8				12.0
4																											
5																											

STANDARD SIGN
D4-5 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/15/10 PLATE NO. D4-5.2

PROJECT NO:

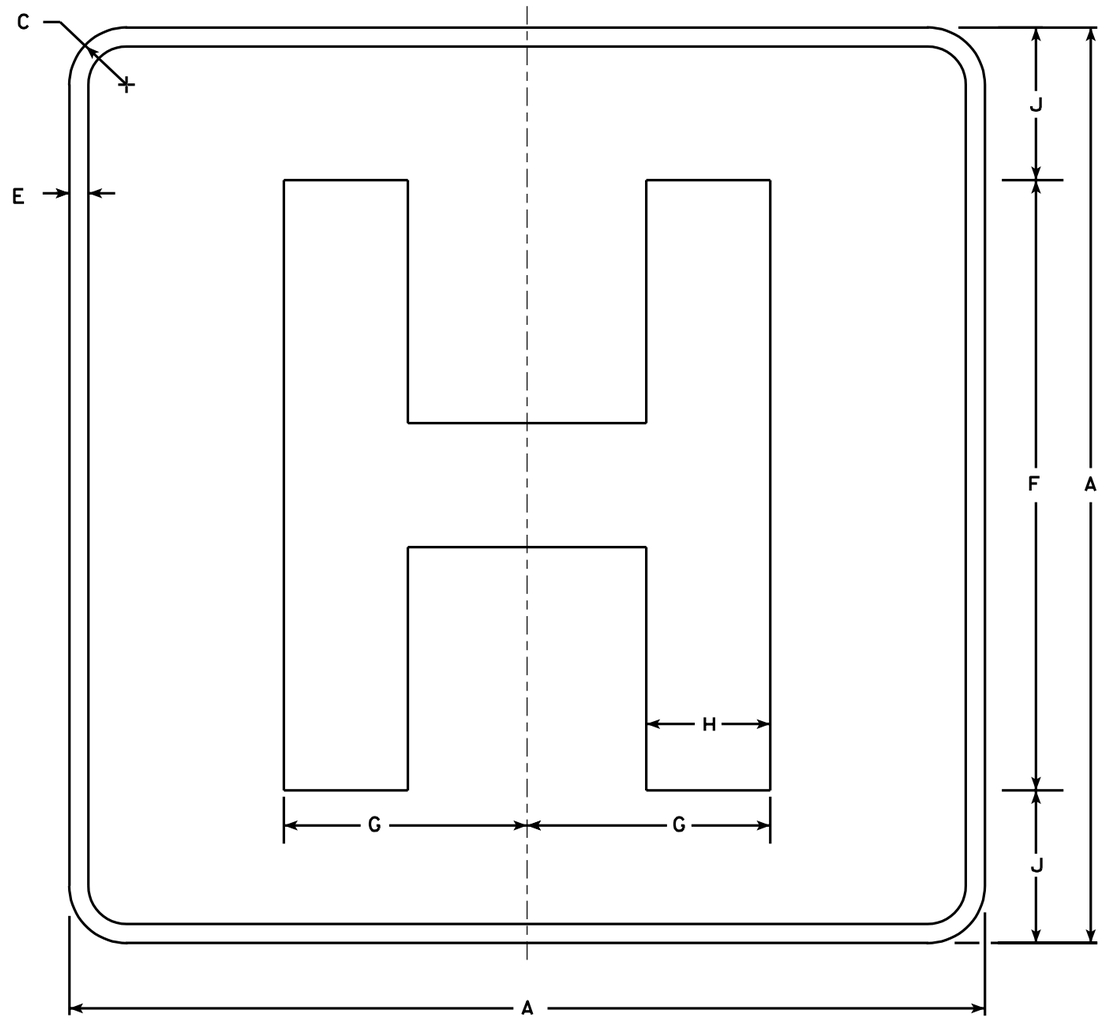
SHEET NO: 148 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\D45.DGN PLOT DATE : 15-NOV-2010 14:08 PLOT BY : dotsja

WISDOT/CADDS SHEET 42

7

7



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

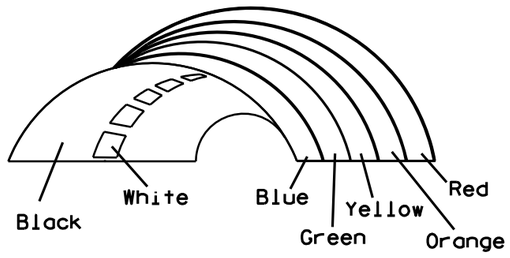
SHEET NO: 149 E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - (See Note 5)
3. Message Series - (See Note 6)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

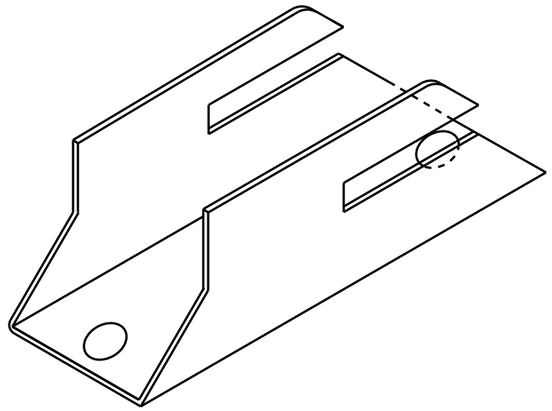
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

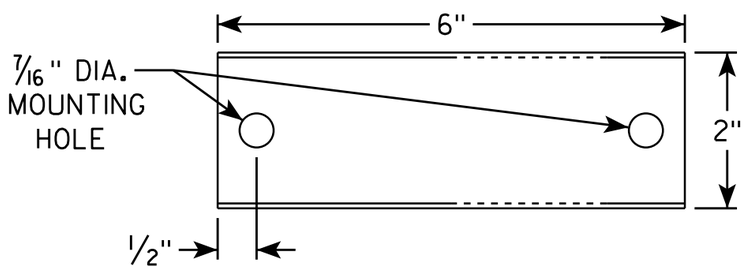
DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 150

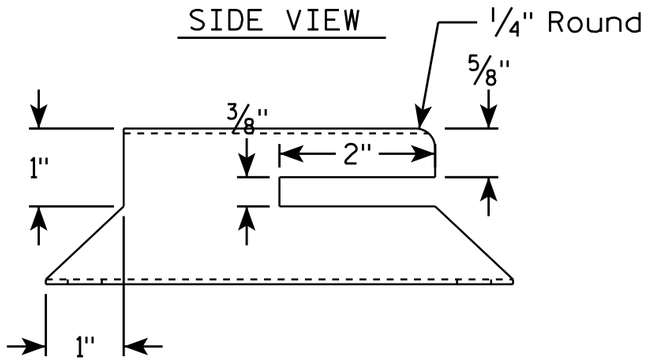
ISOMETRIC VIEW



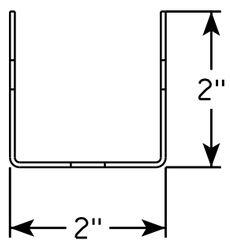
TOP VIEW



SIDE VIEW



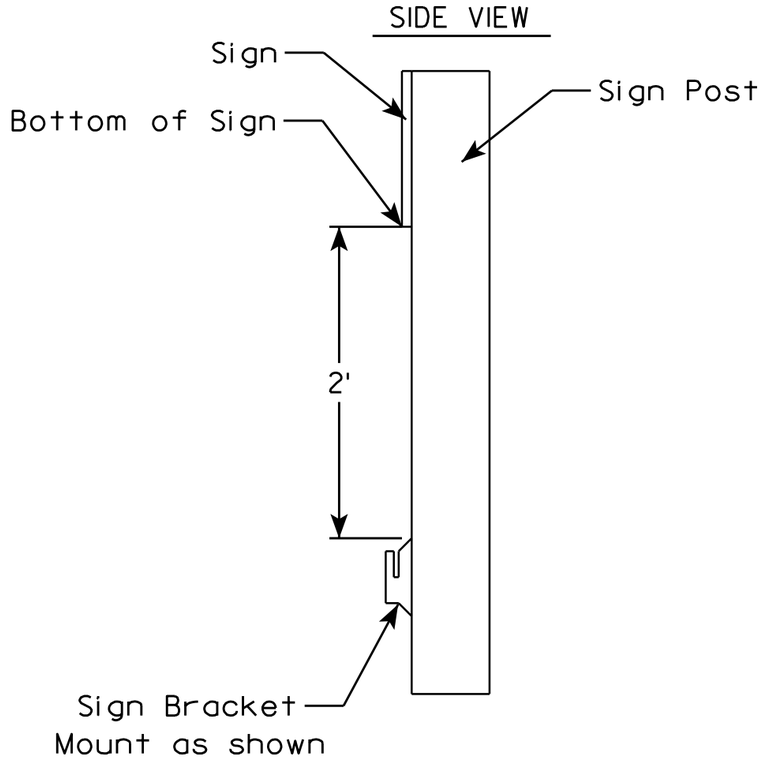
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

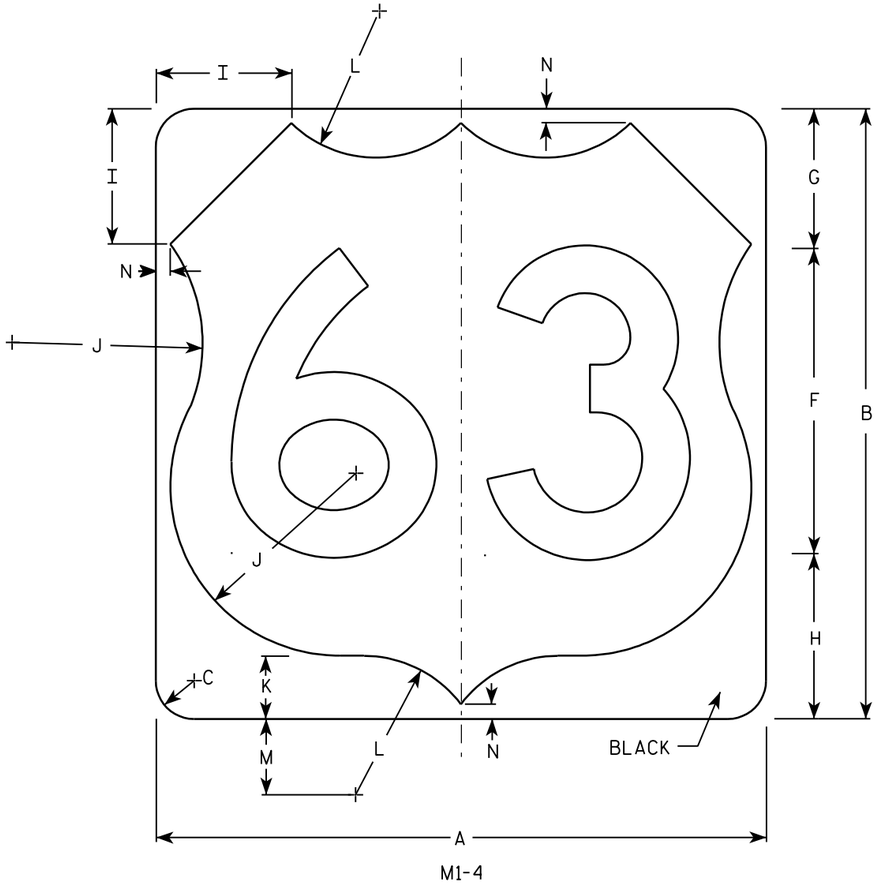
DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

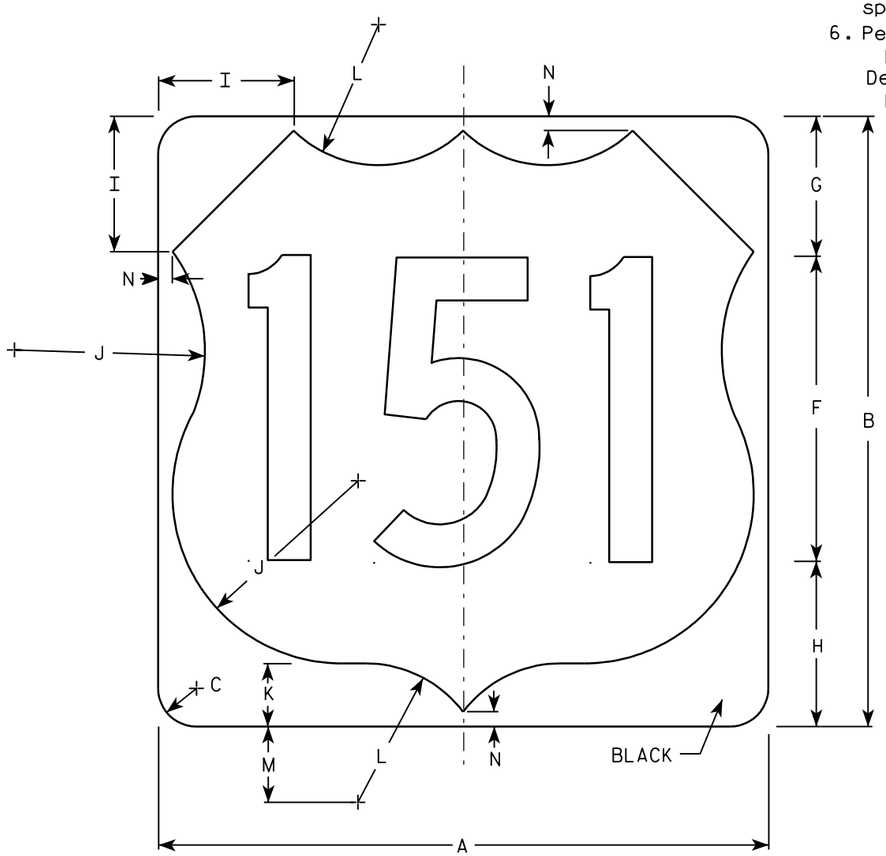
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and adjust spacing as per Plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary signs
   Background - Reflective



M1-4



M1-4

7

7

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

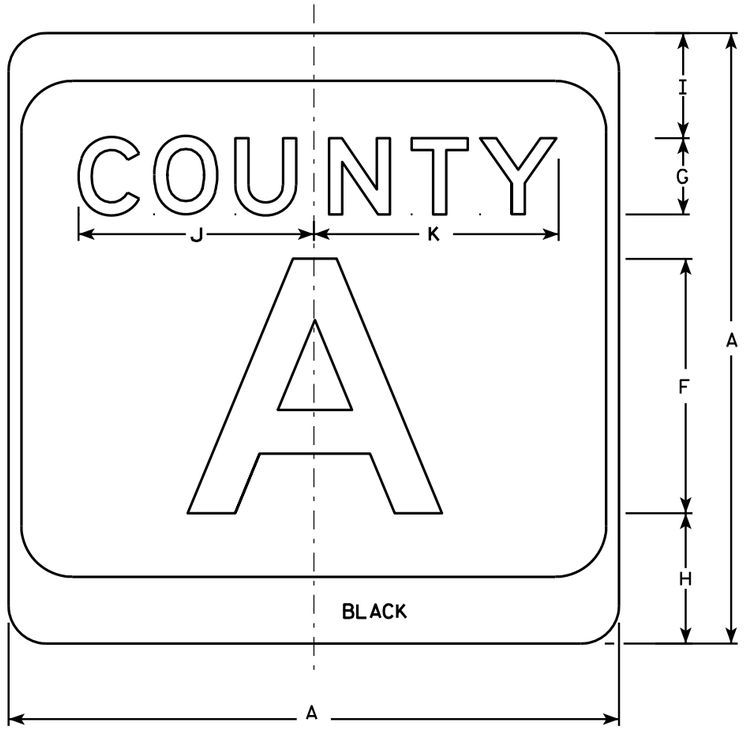
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

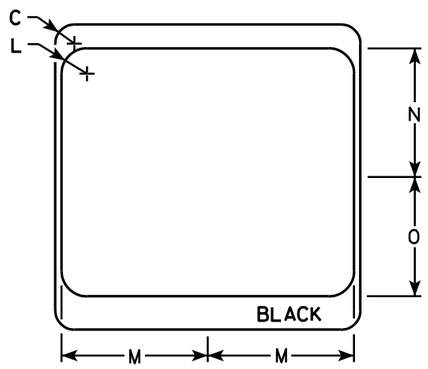
APPROVED Matthew R Rauch
for State Traffic Engineer

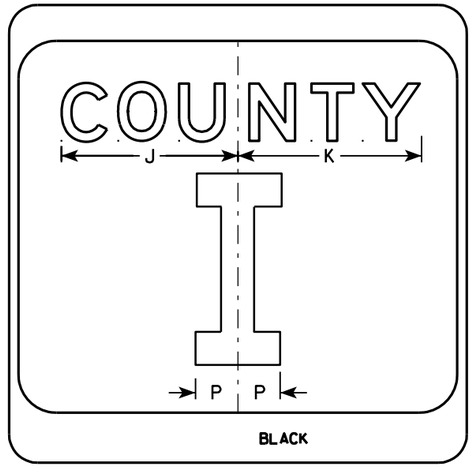
DATE 08/25/05 PLATE NO. M1-4.9

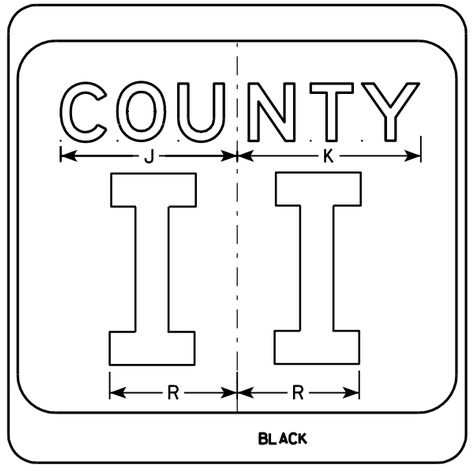
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 152	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

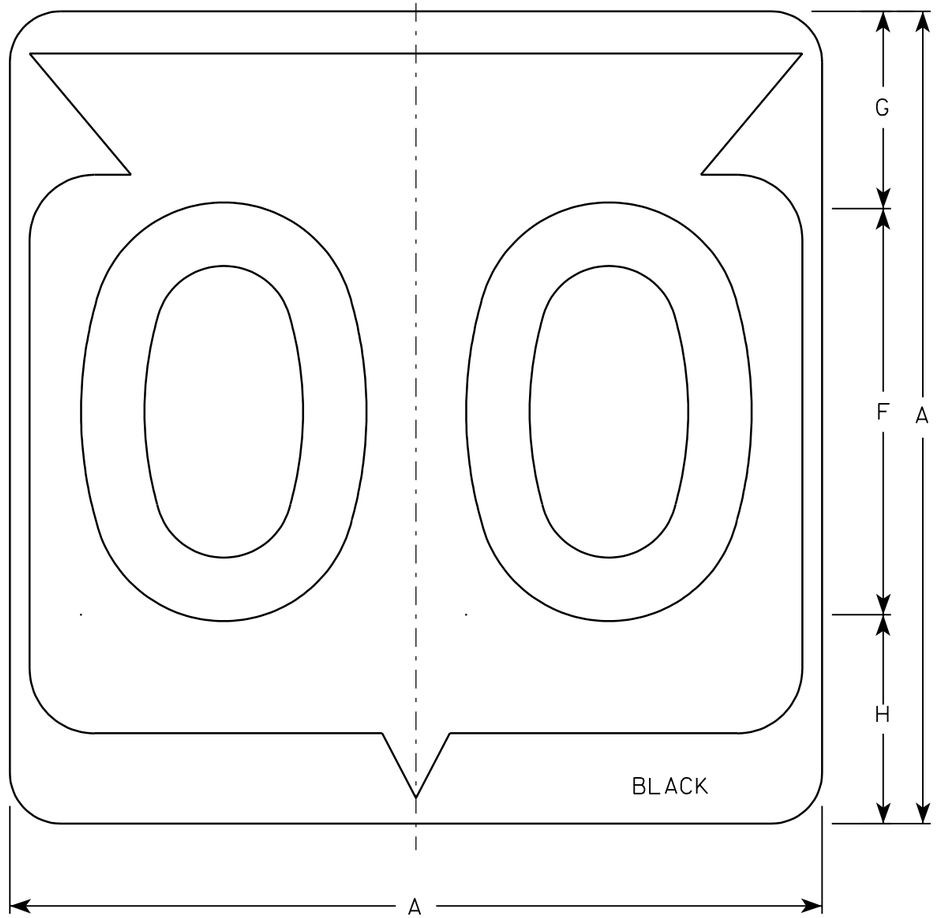
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

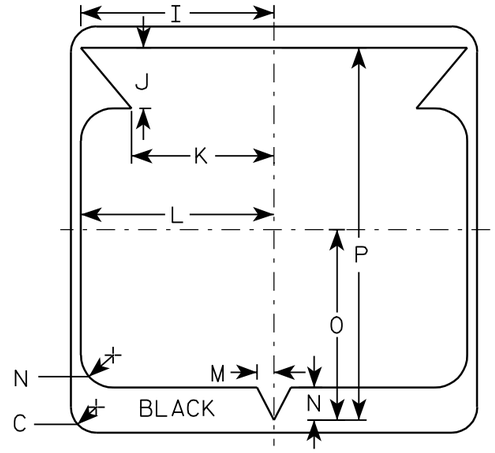
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 153	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

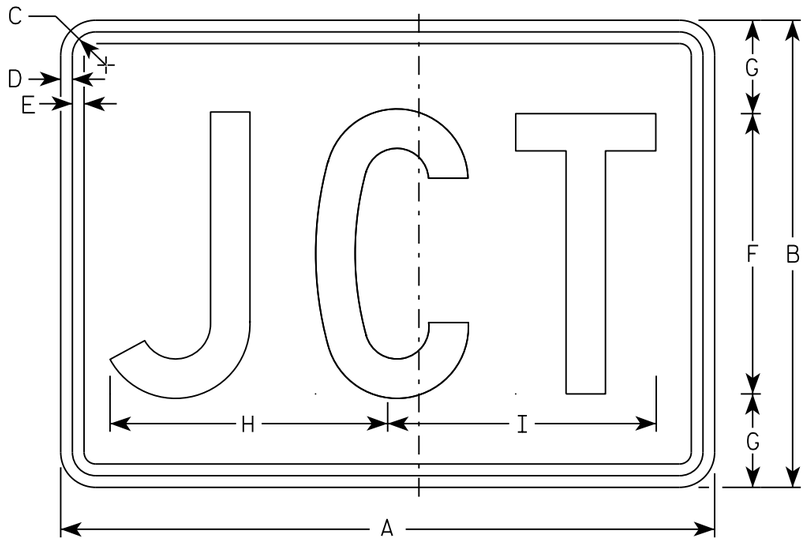
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

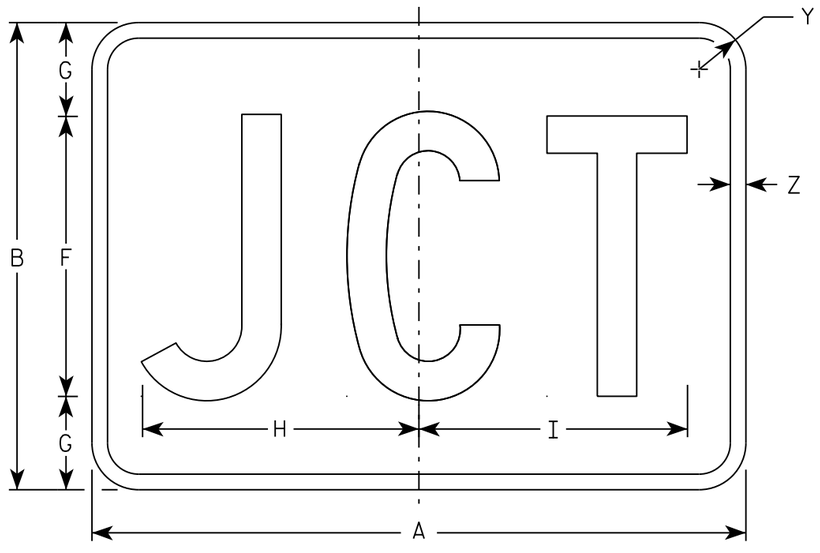
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 154	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

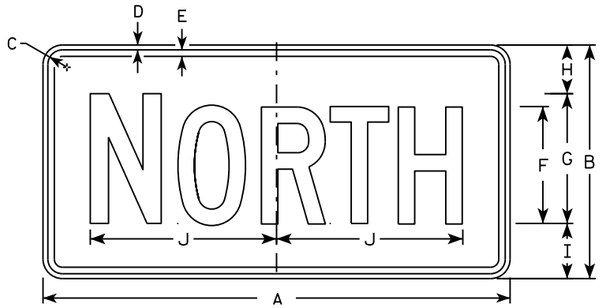
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

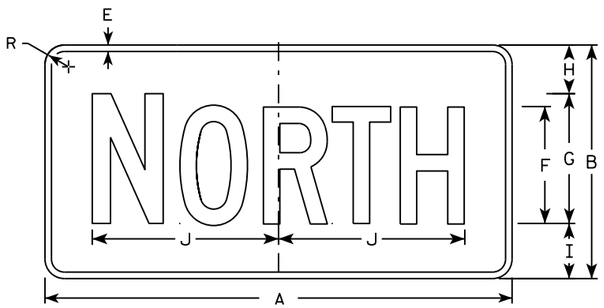
DATE 10/15/15 PLATE 155 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



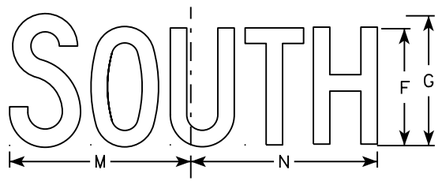
MB3-1
MK3-1
MN3-1



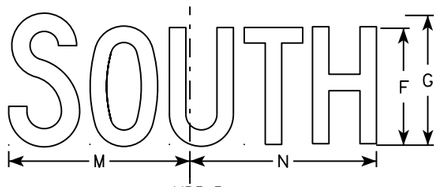
M3-2
MM3-2
MP3-2



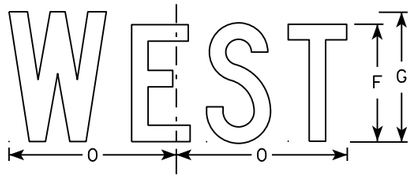
MB3-2
MK3-2
MN3-2



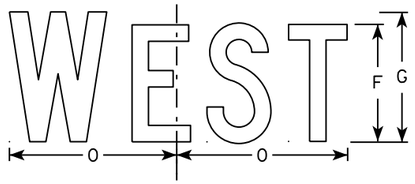
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

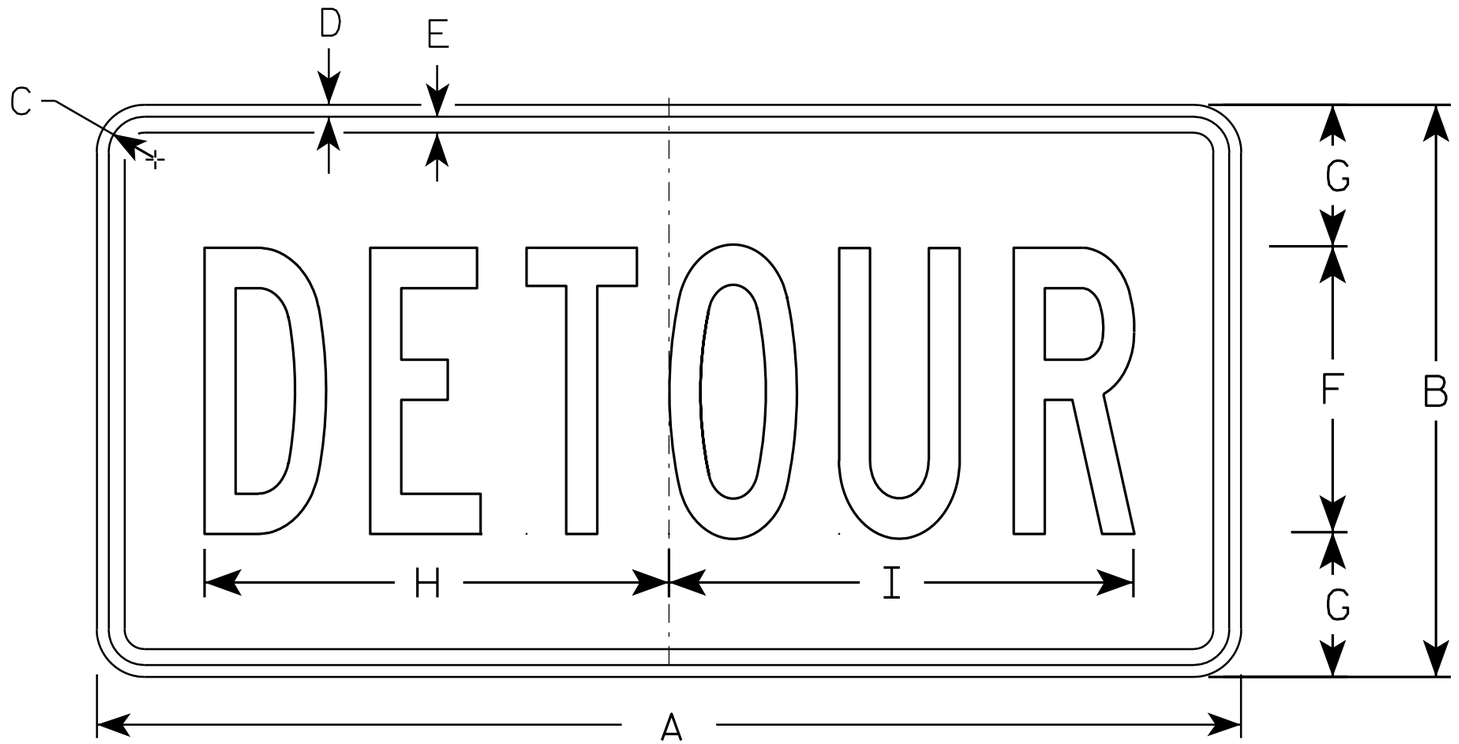
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

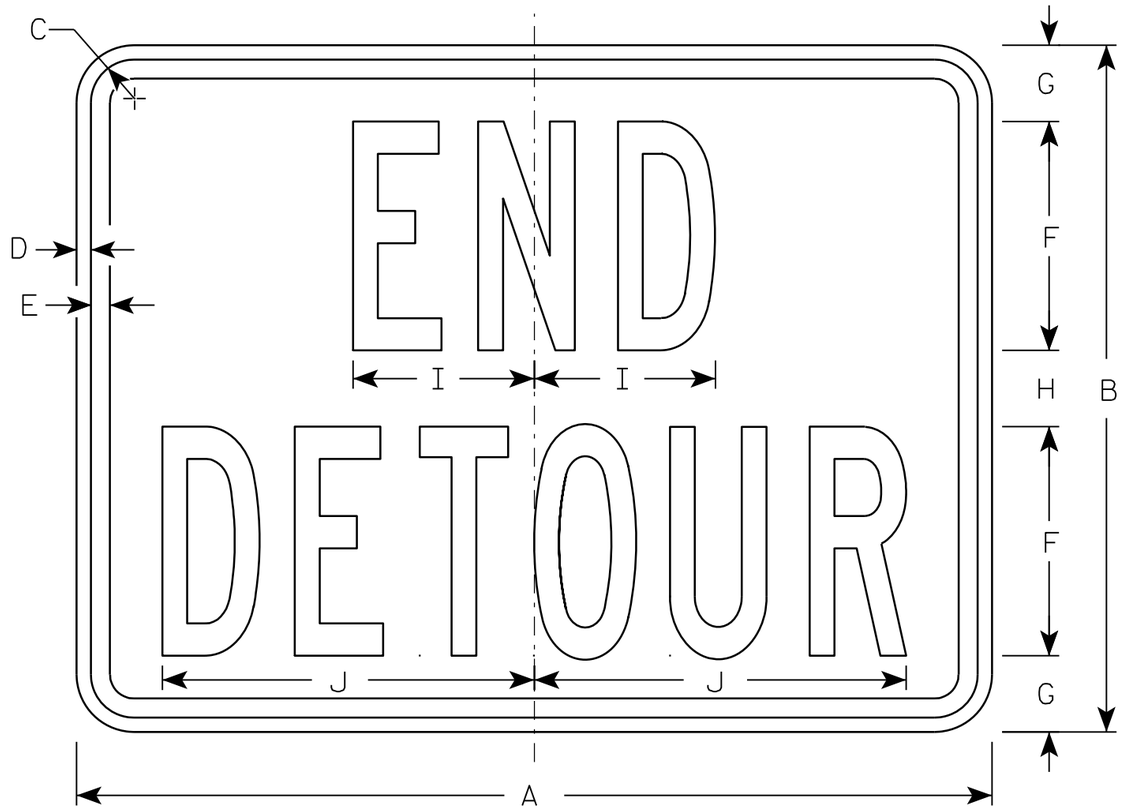
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 157	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

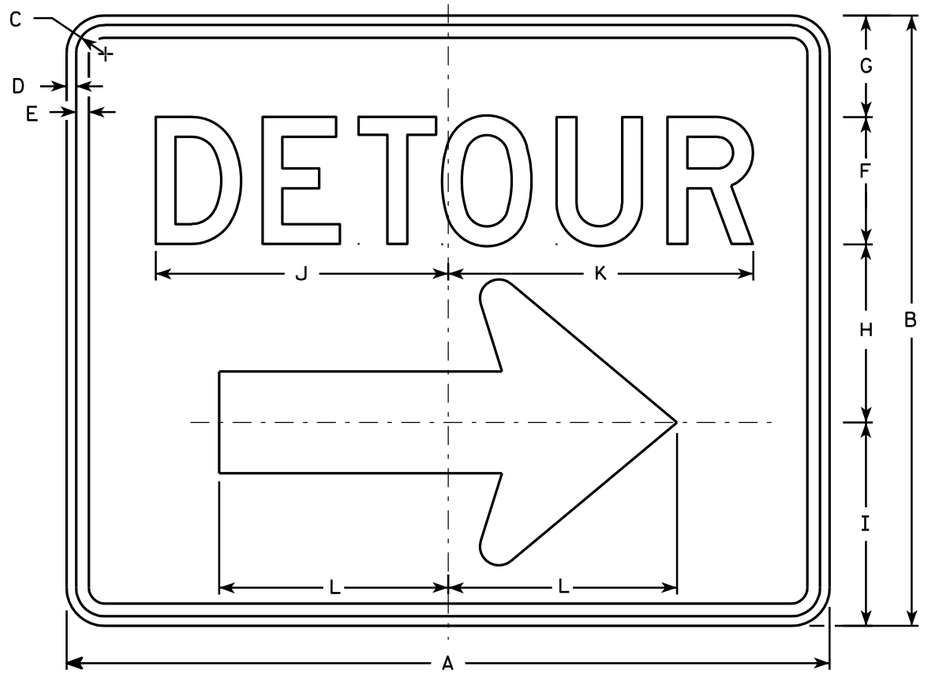
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

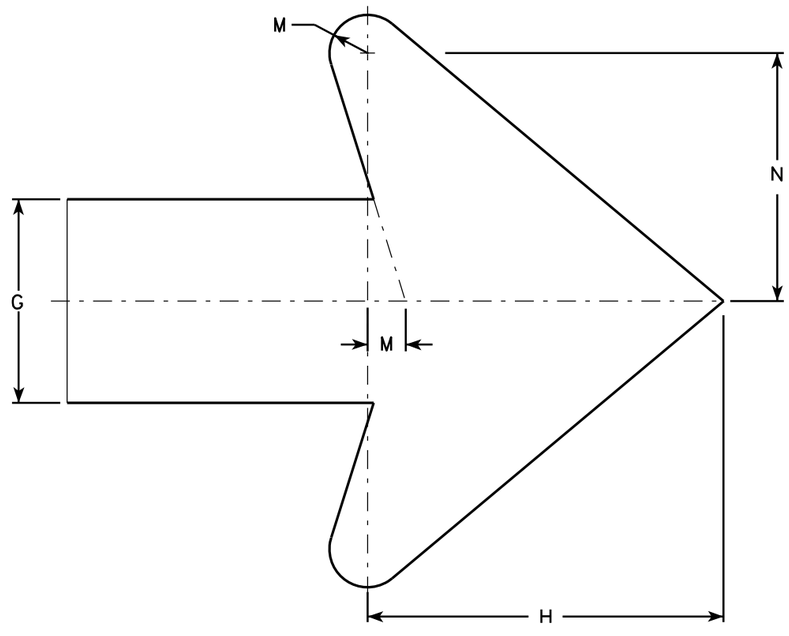
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 158	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

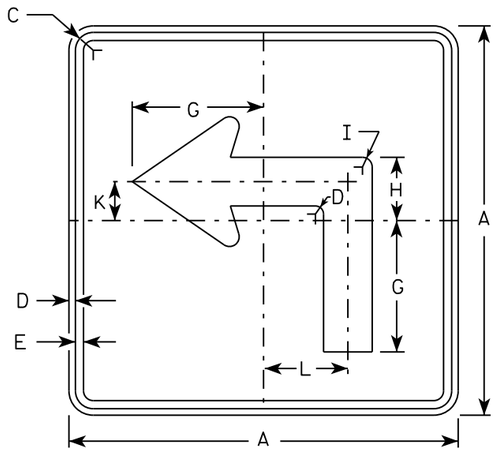
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

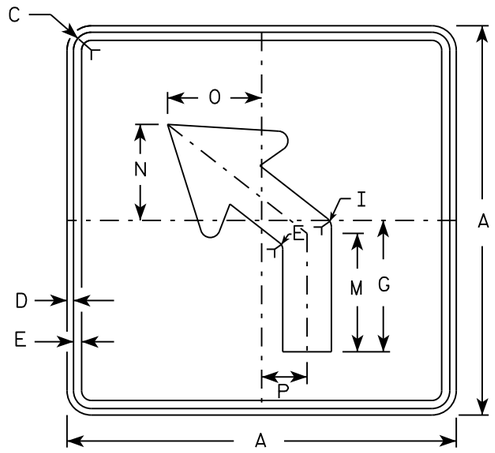
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

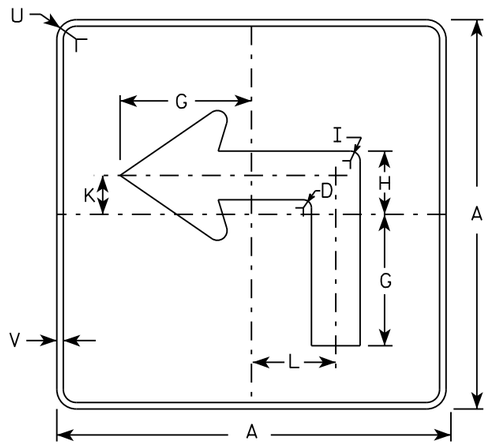
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 159	E



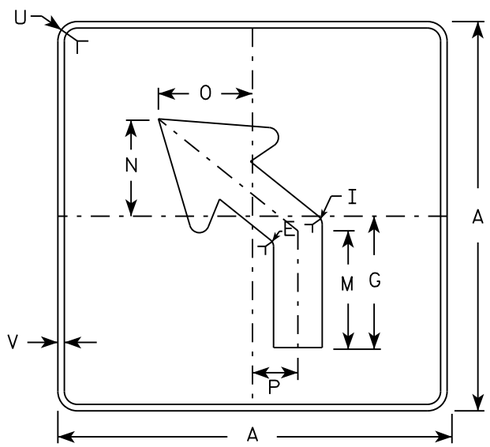
M5-1L
MM5-1L
MO5-1L
MP5-1L



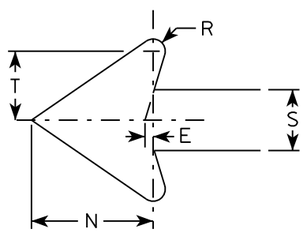
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

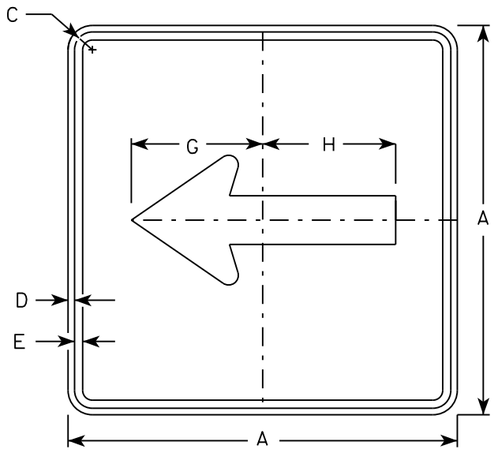
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

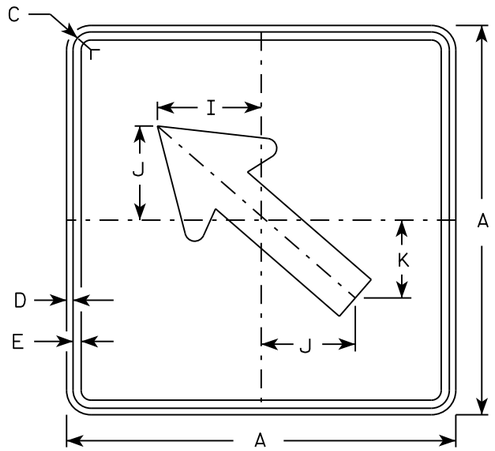
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



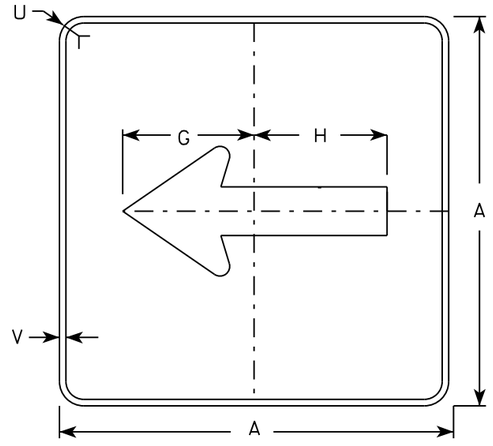
M6-1
MM6-1
MO6-1
MP6-1



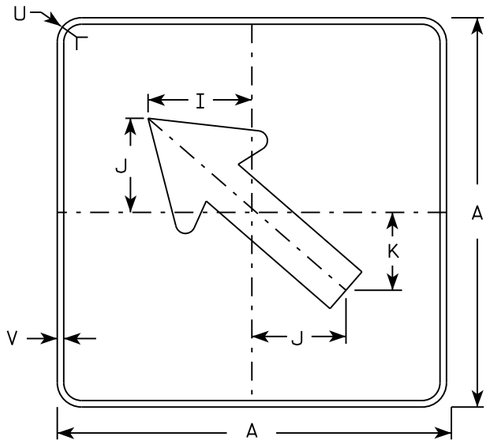
M6-2
MM6-2
MO6-2
MP6-2

NOTES

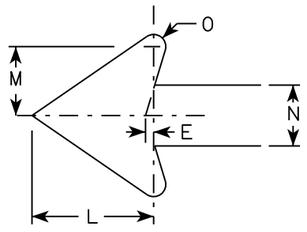
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

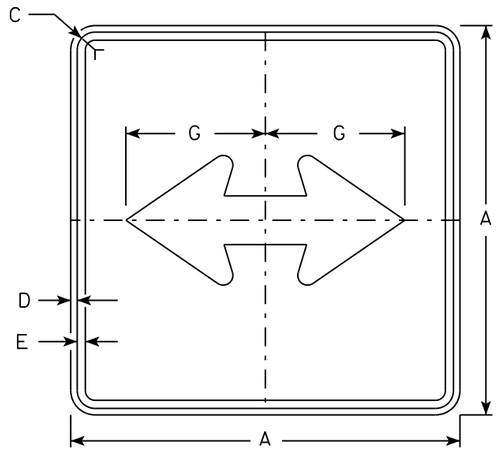
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

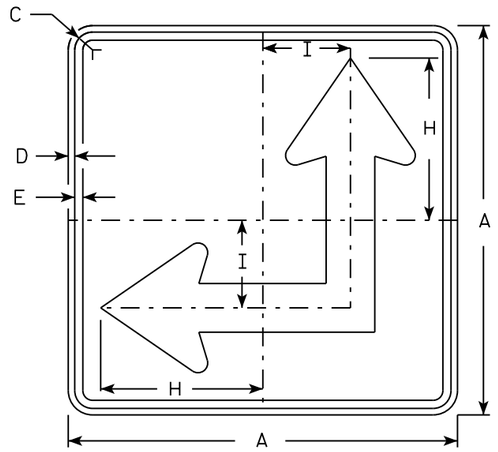
DATE 10/15/15 PLATE 161 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



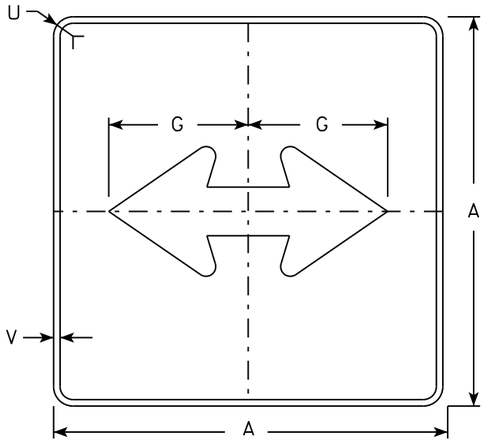
M6-4
MM6-4
MO6-4
MP6-4



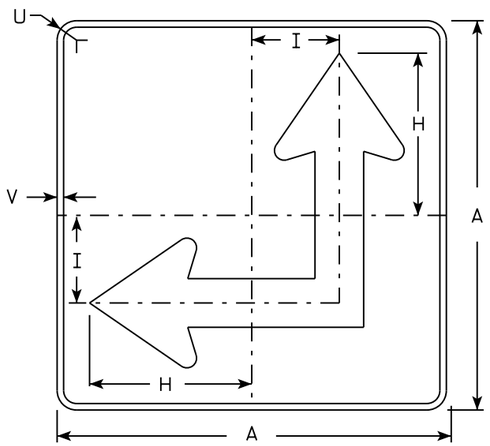
M6-6
MM6-6
MO6-6
MP6-6

NOTES

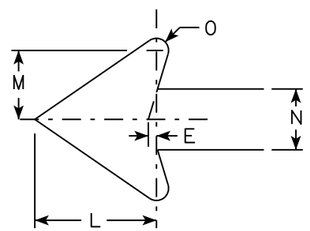
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

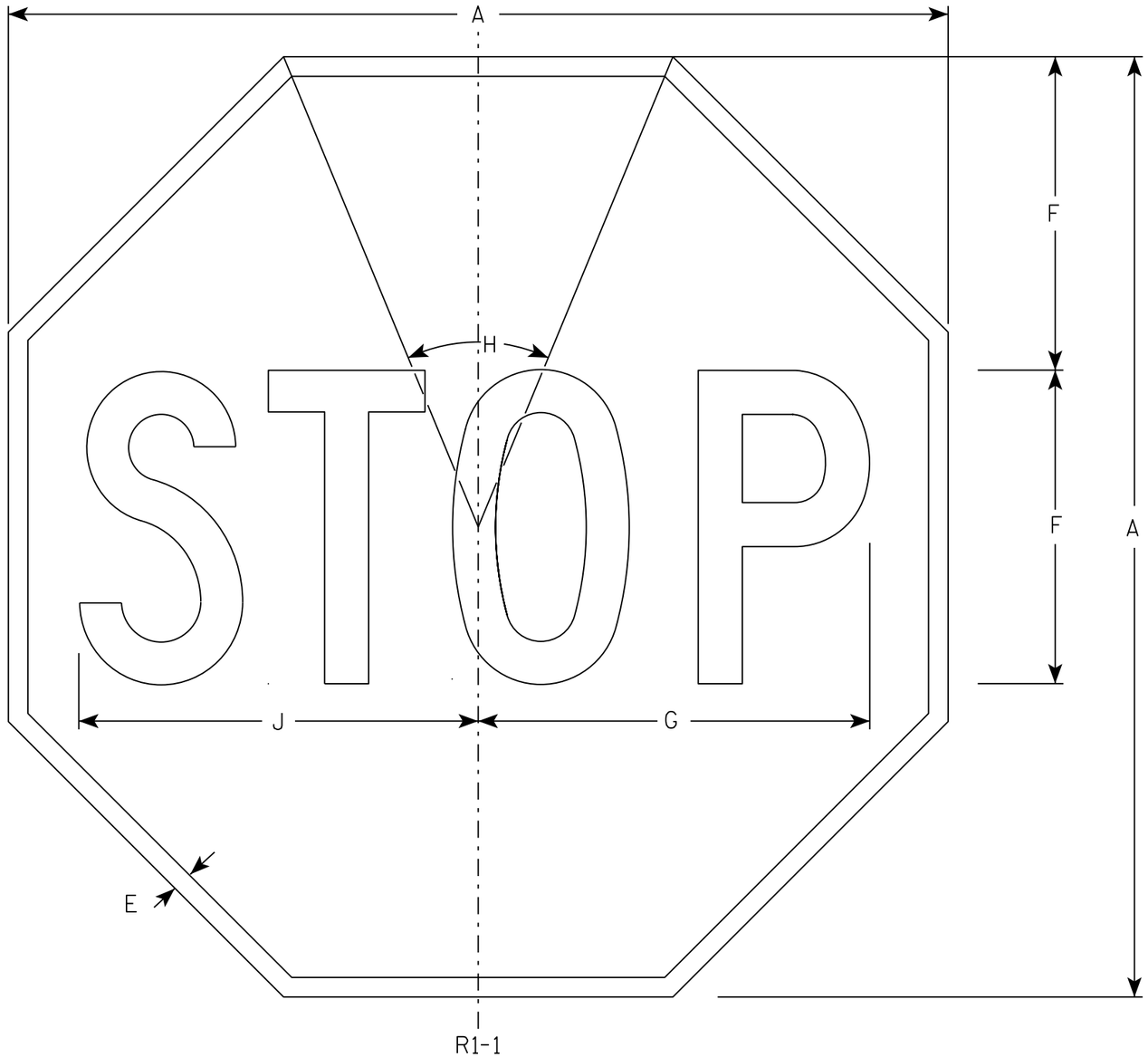
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 162 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

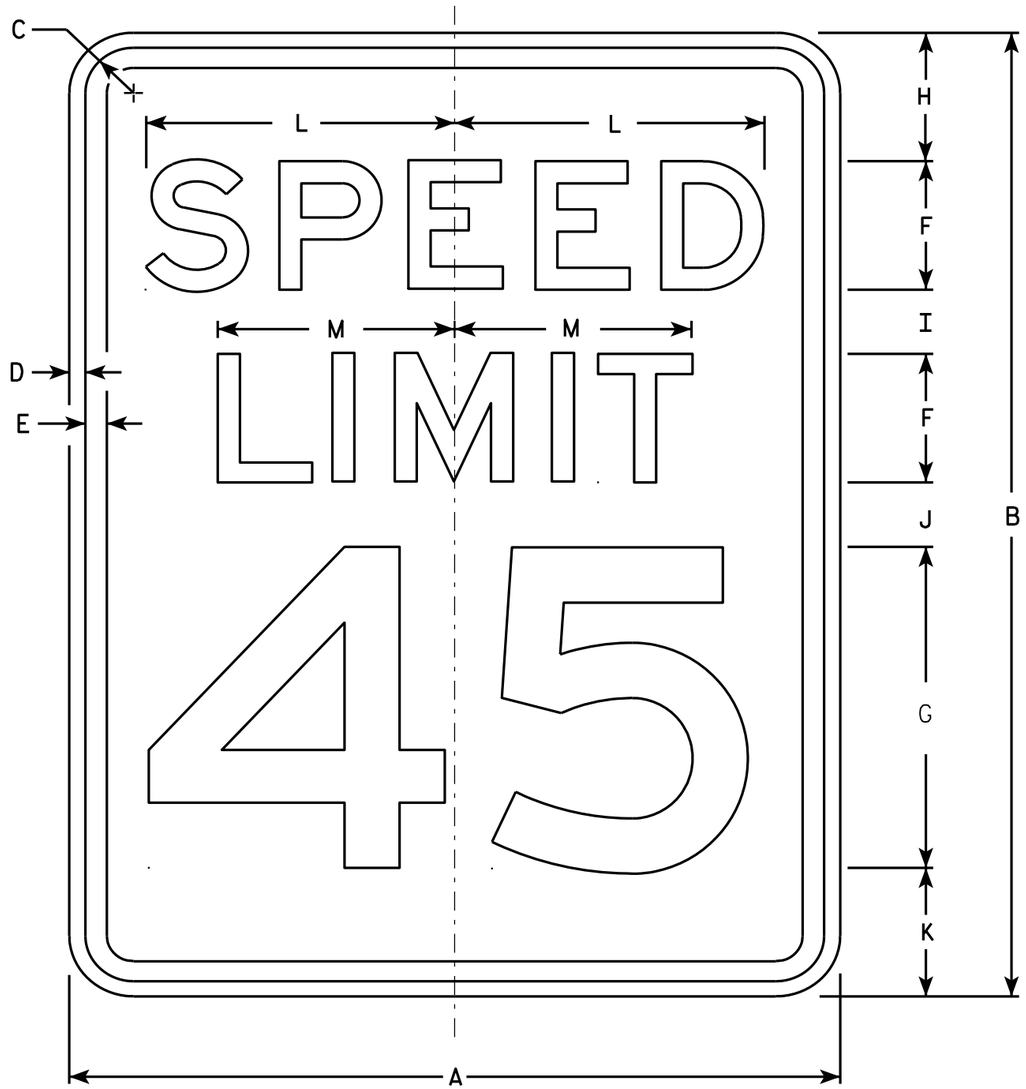
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

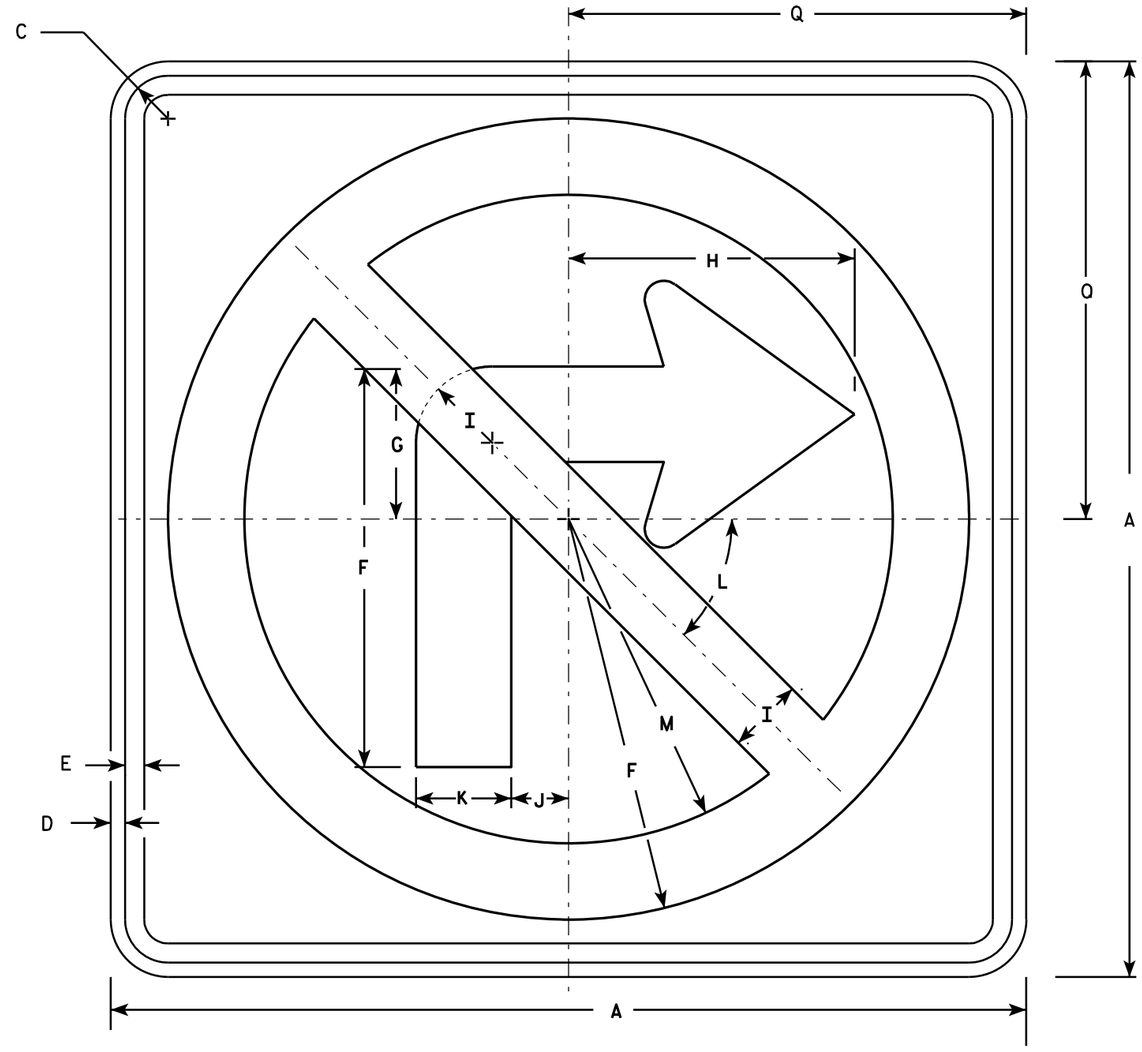
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 164 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

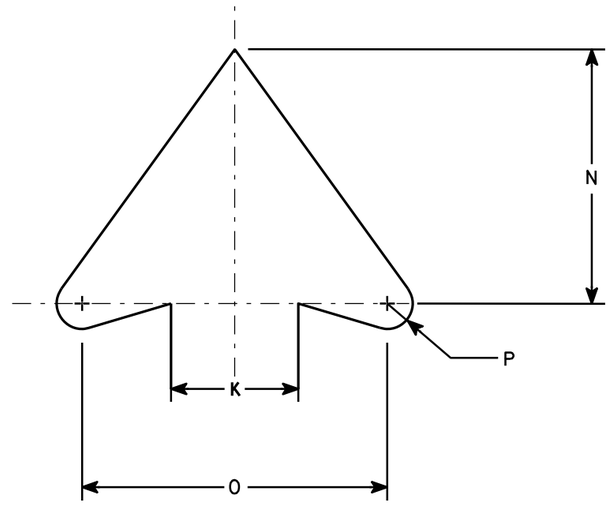
WISDOT/CADDS SHEET 42



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

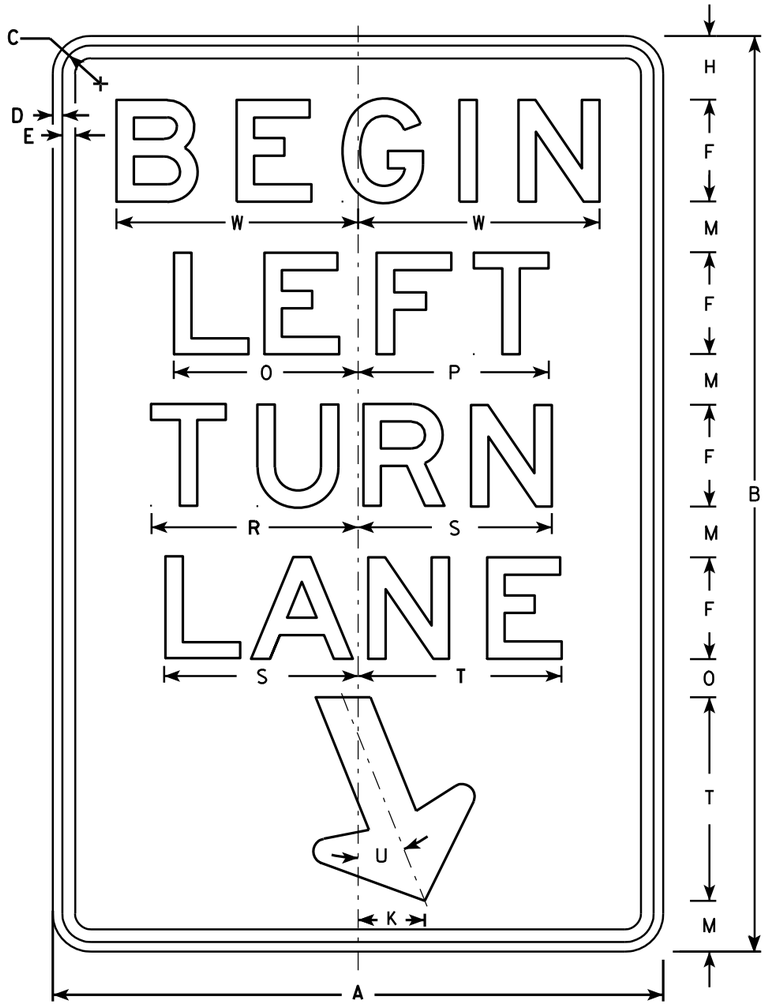
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

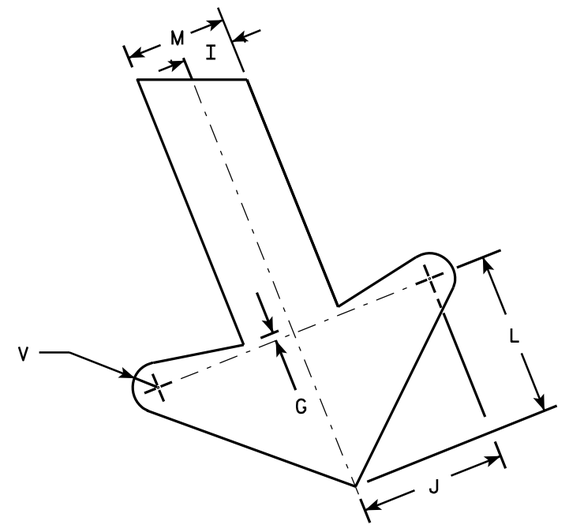
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 165	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

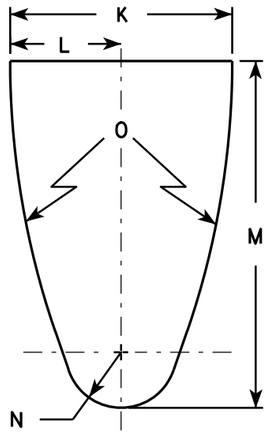
STANDARD SIGN
R3-20L

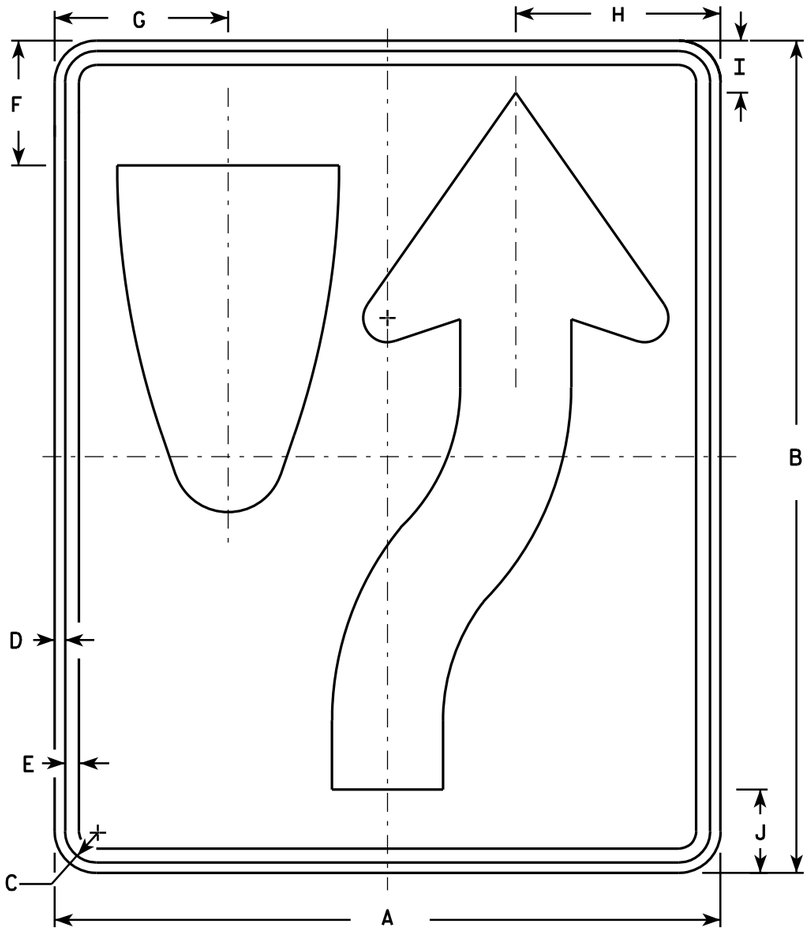
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 166 | E

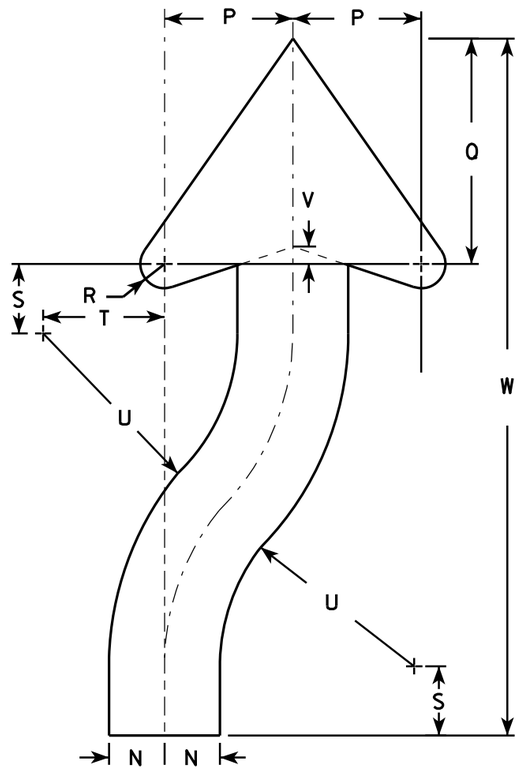




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

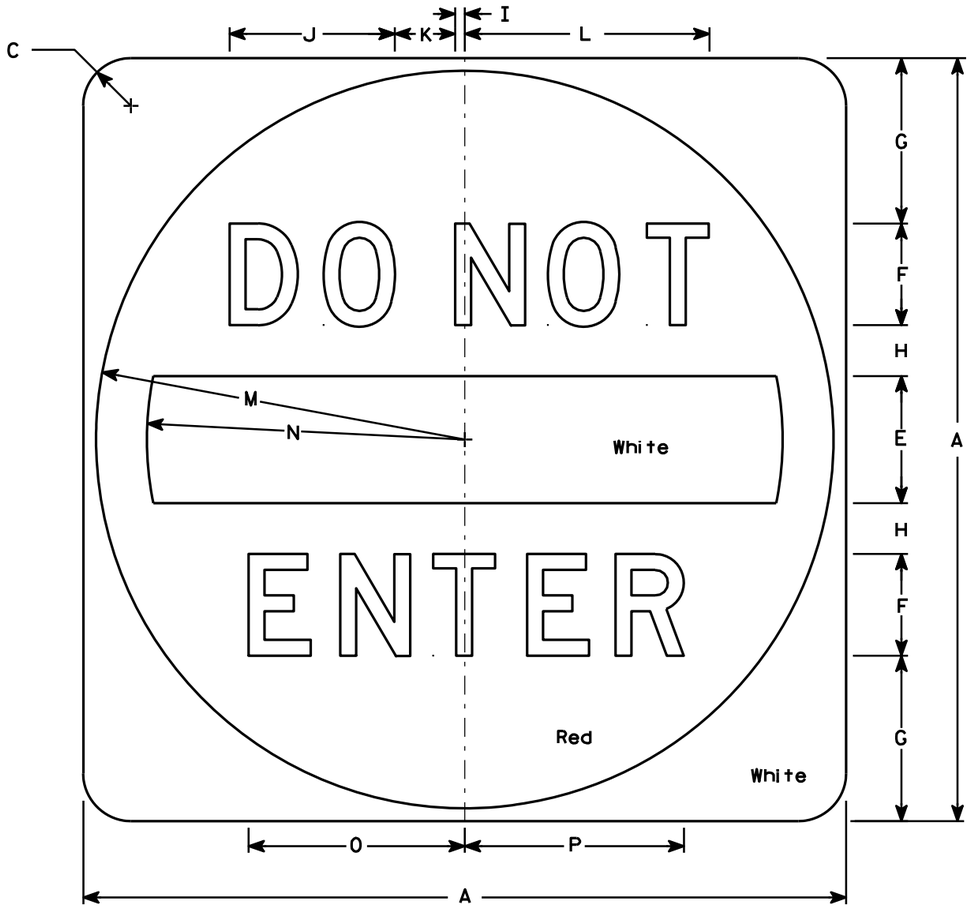
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 167	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

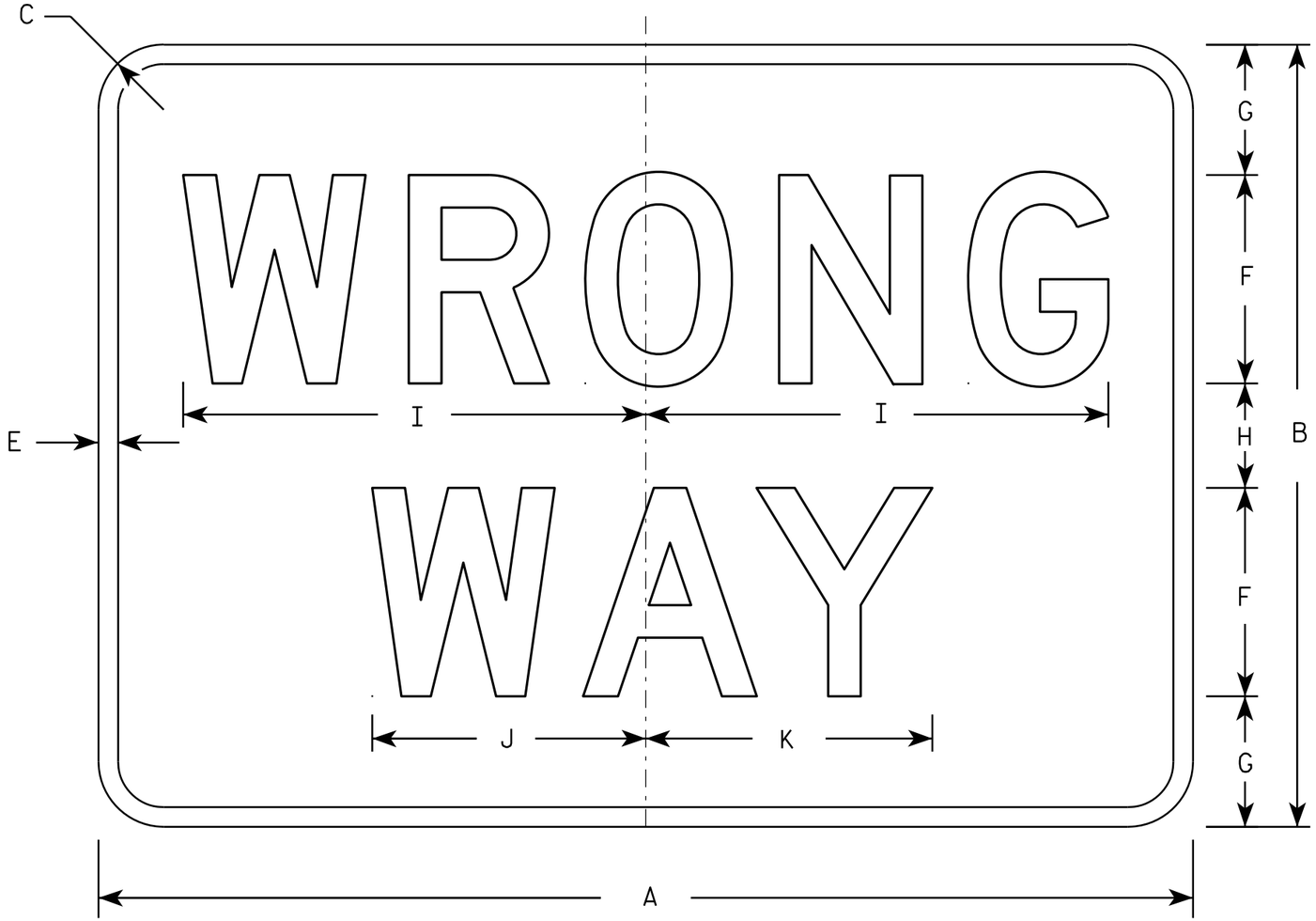
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 168 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

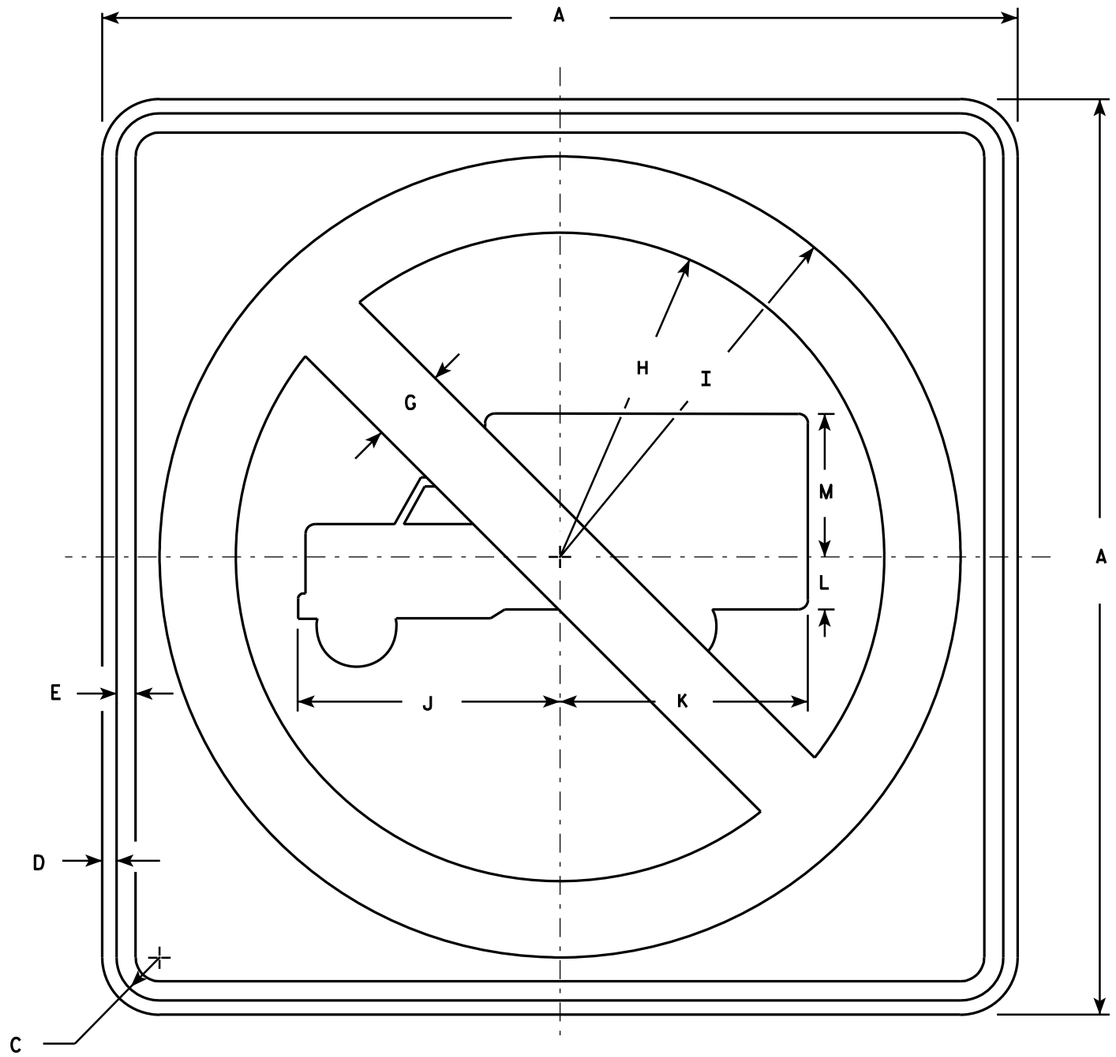
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 169 | E



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

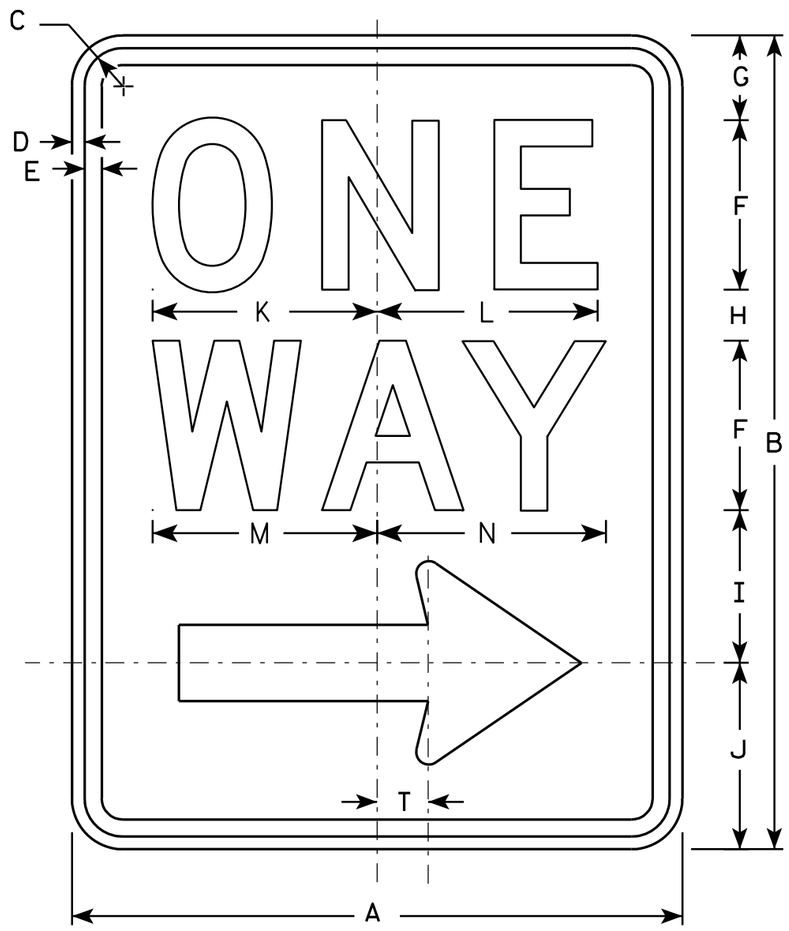
STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

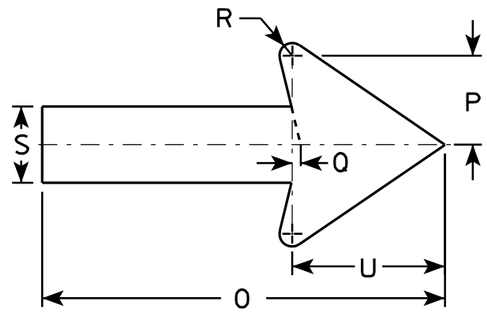
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 170 | E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

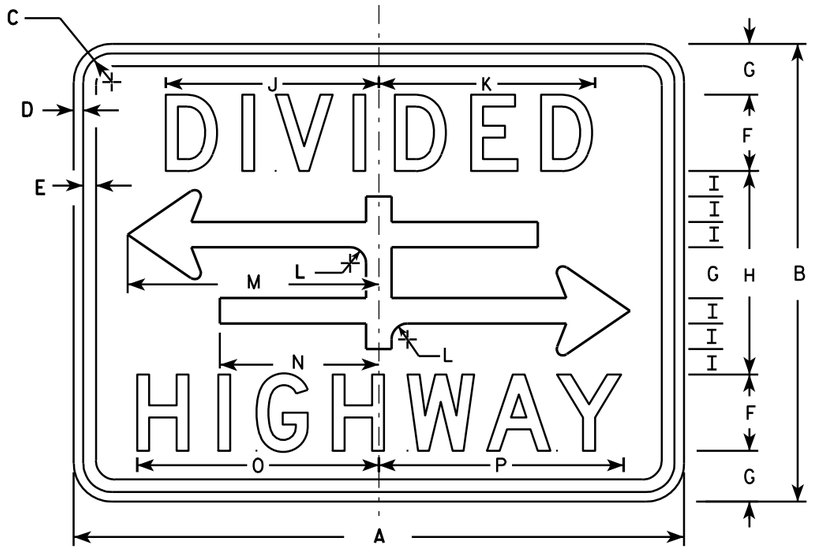
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

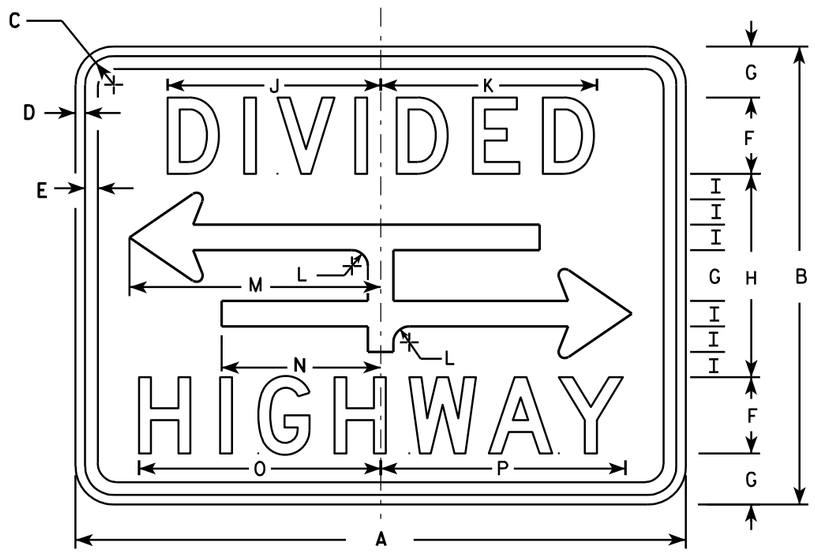
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 171	E



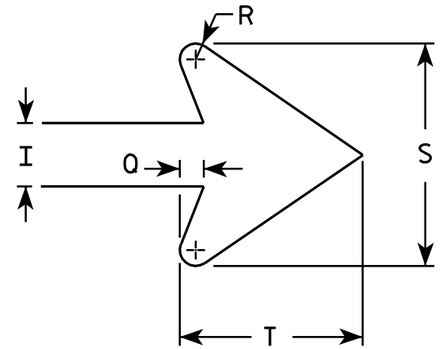
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

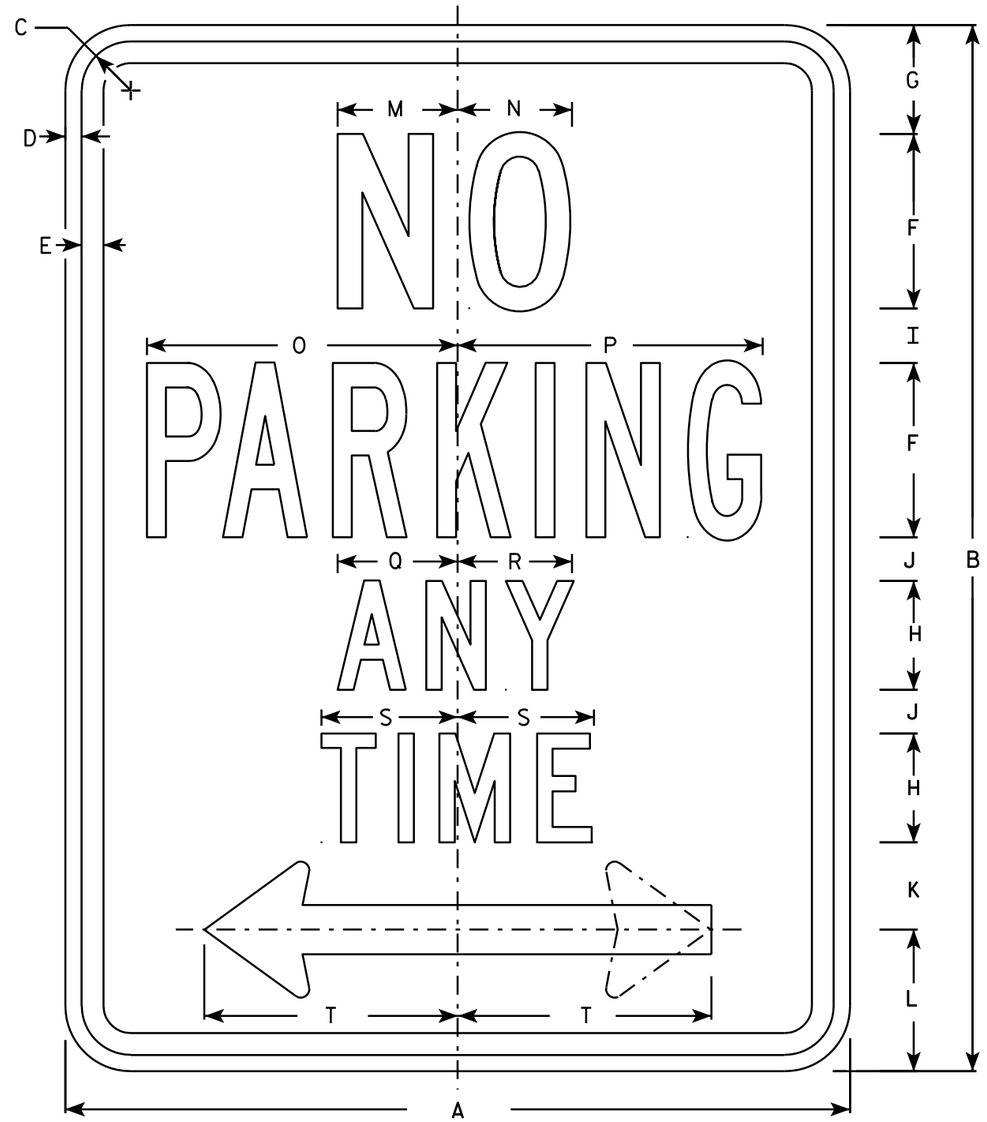
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

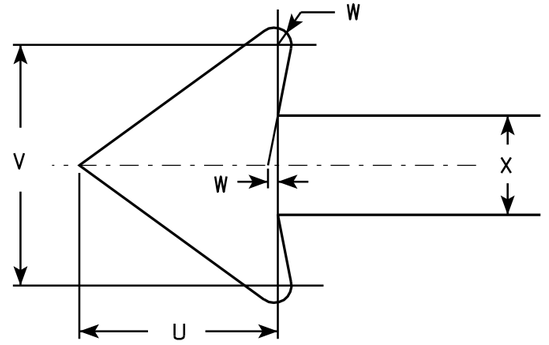
SHEET NO: 172 E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

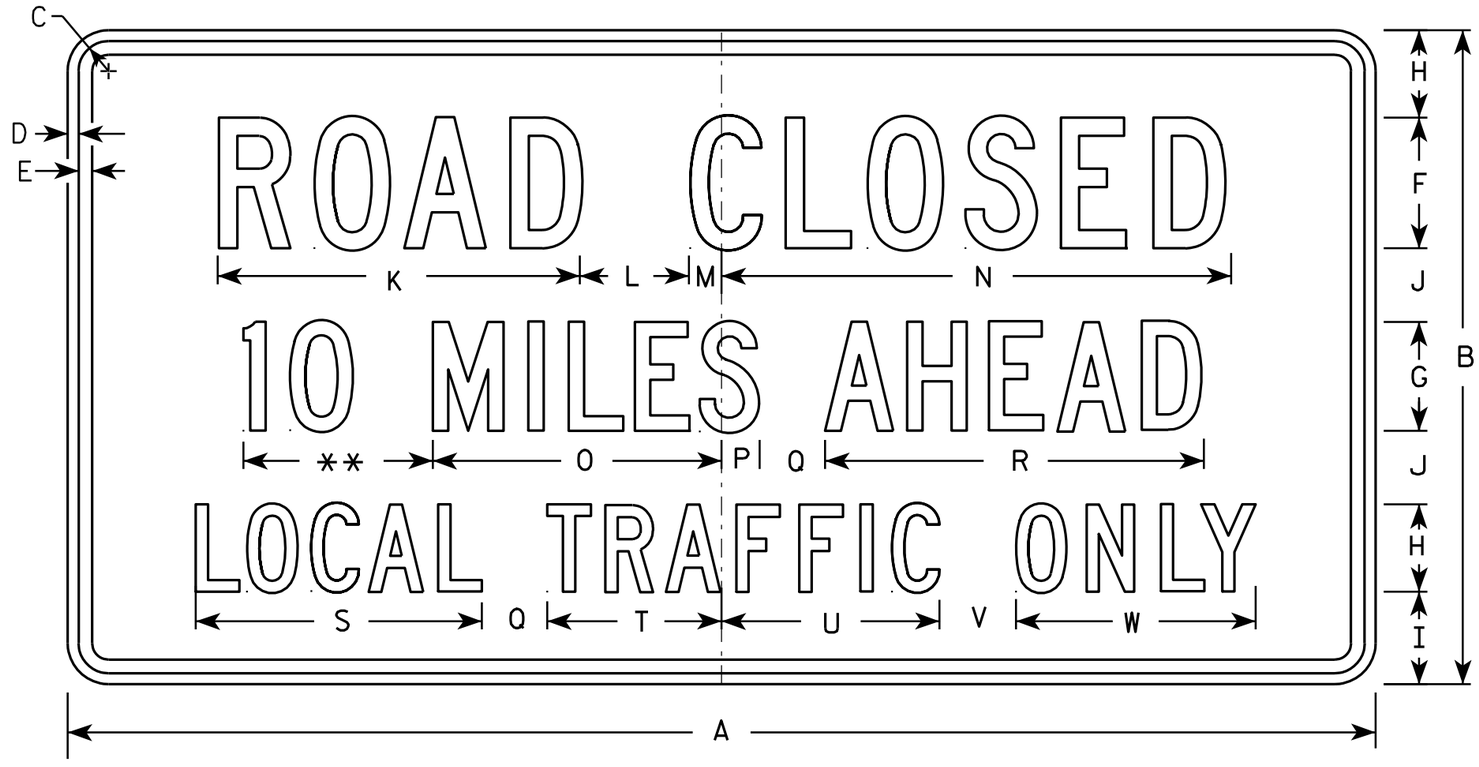
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 173	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

WISDOT/CADDS SHEET 42



R11-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

** See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
3																											
4																											
5																											

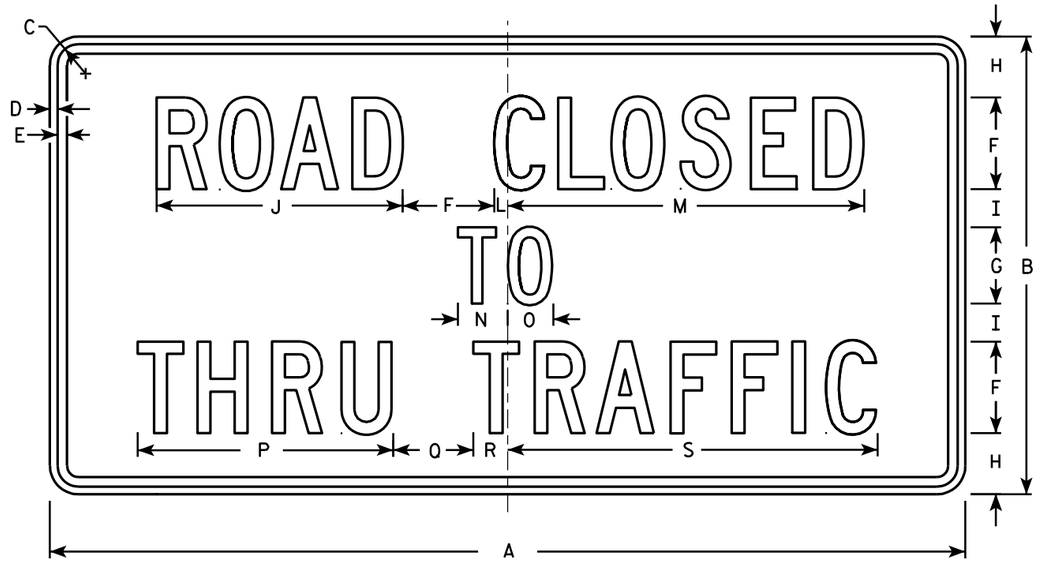
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-3.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 174	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

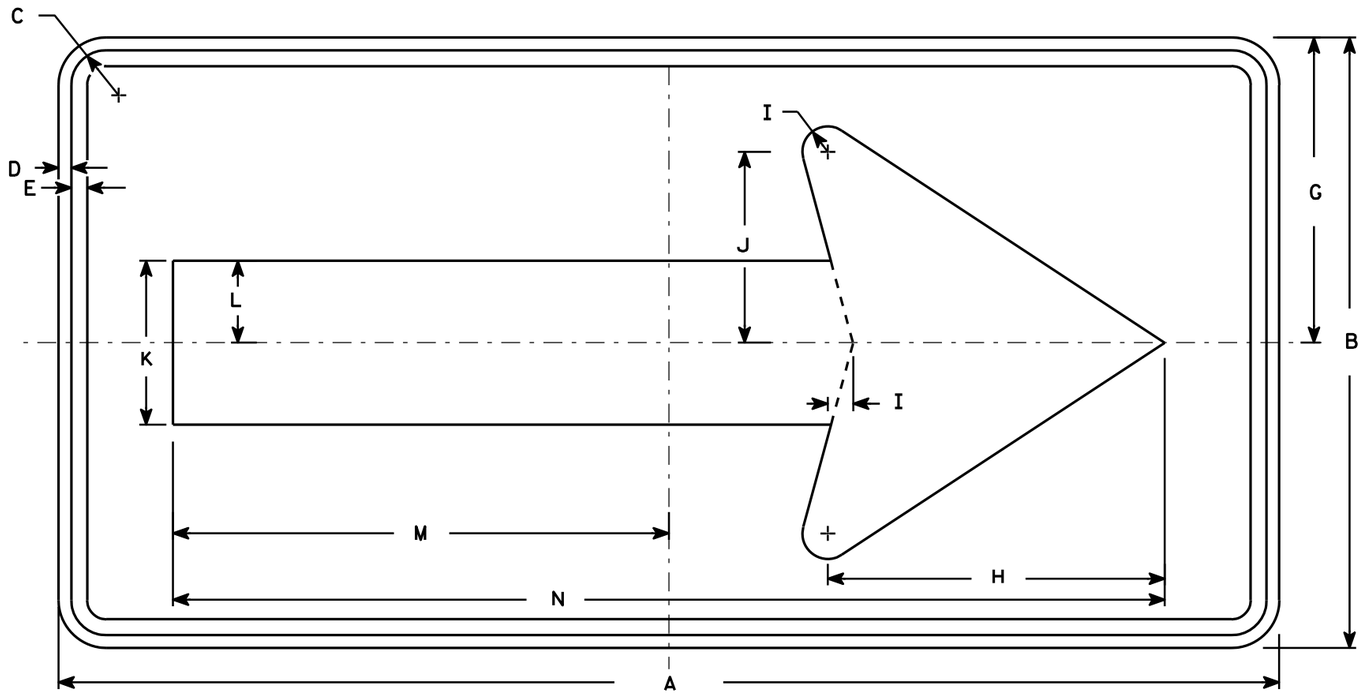
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 175 | E



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

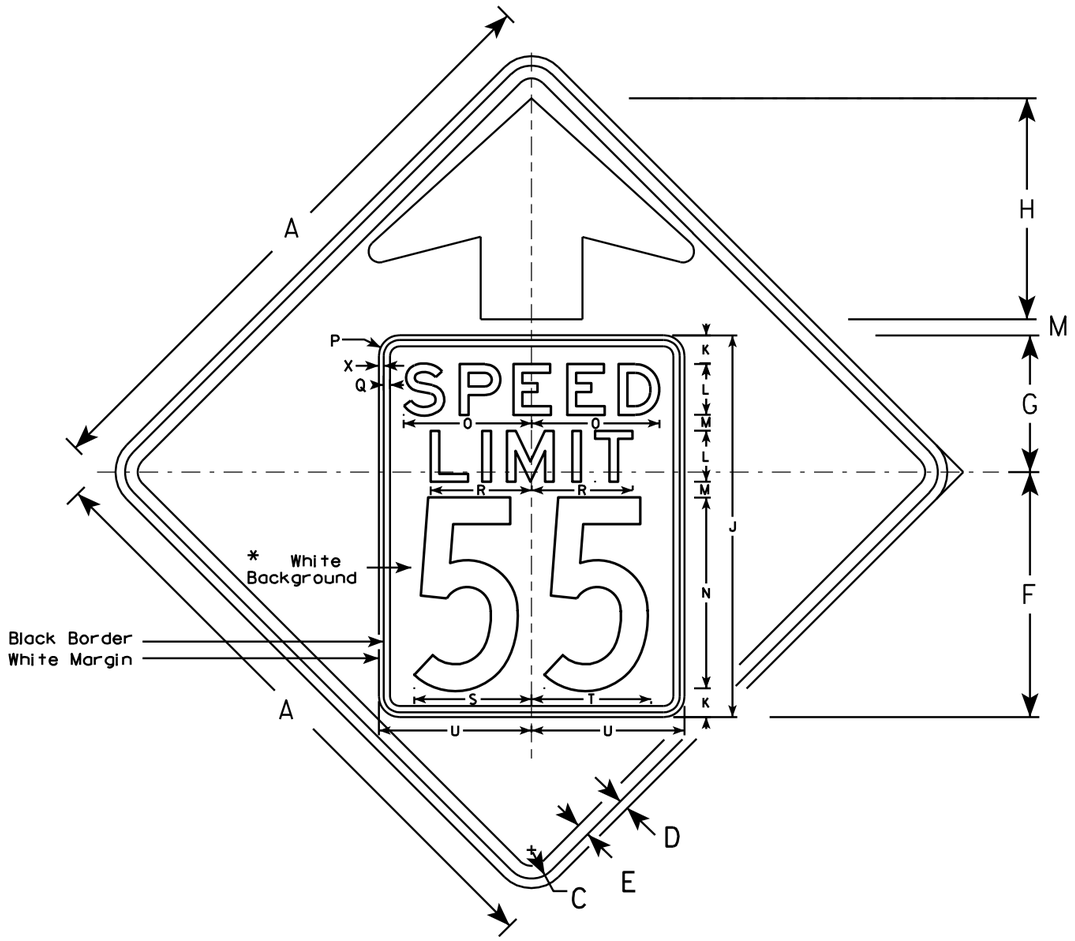
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 176

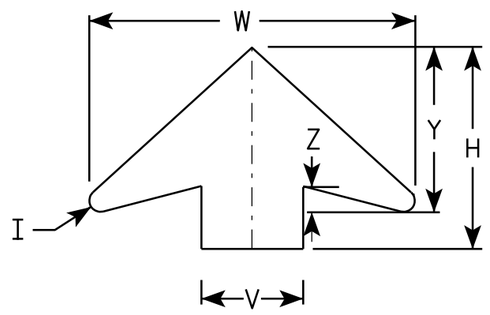


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

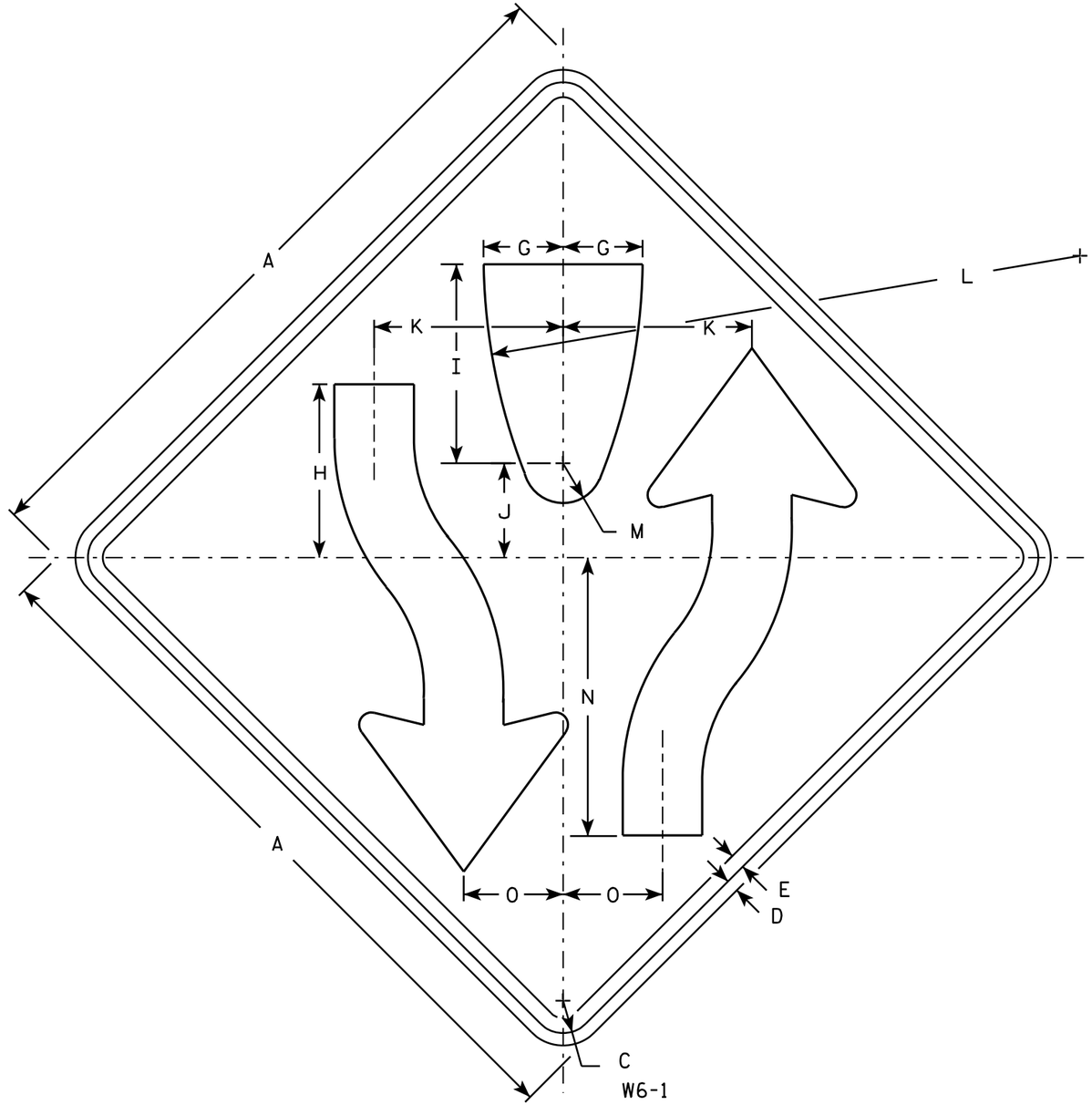
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

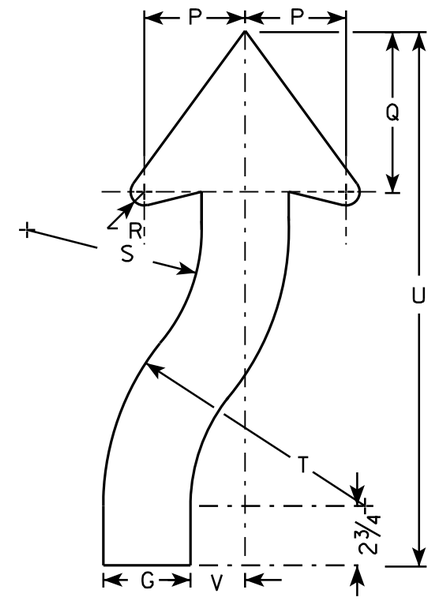
PROJECT NO:

SHEET NO: 177 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

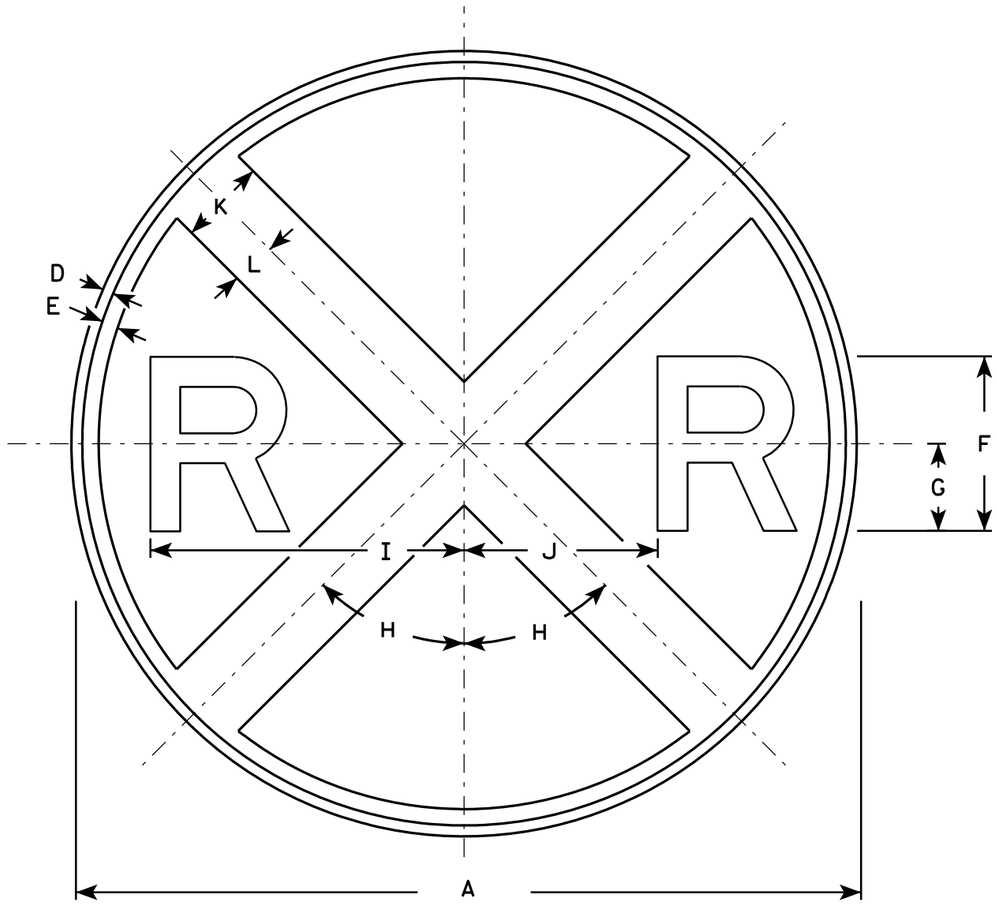
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 178	E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

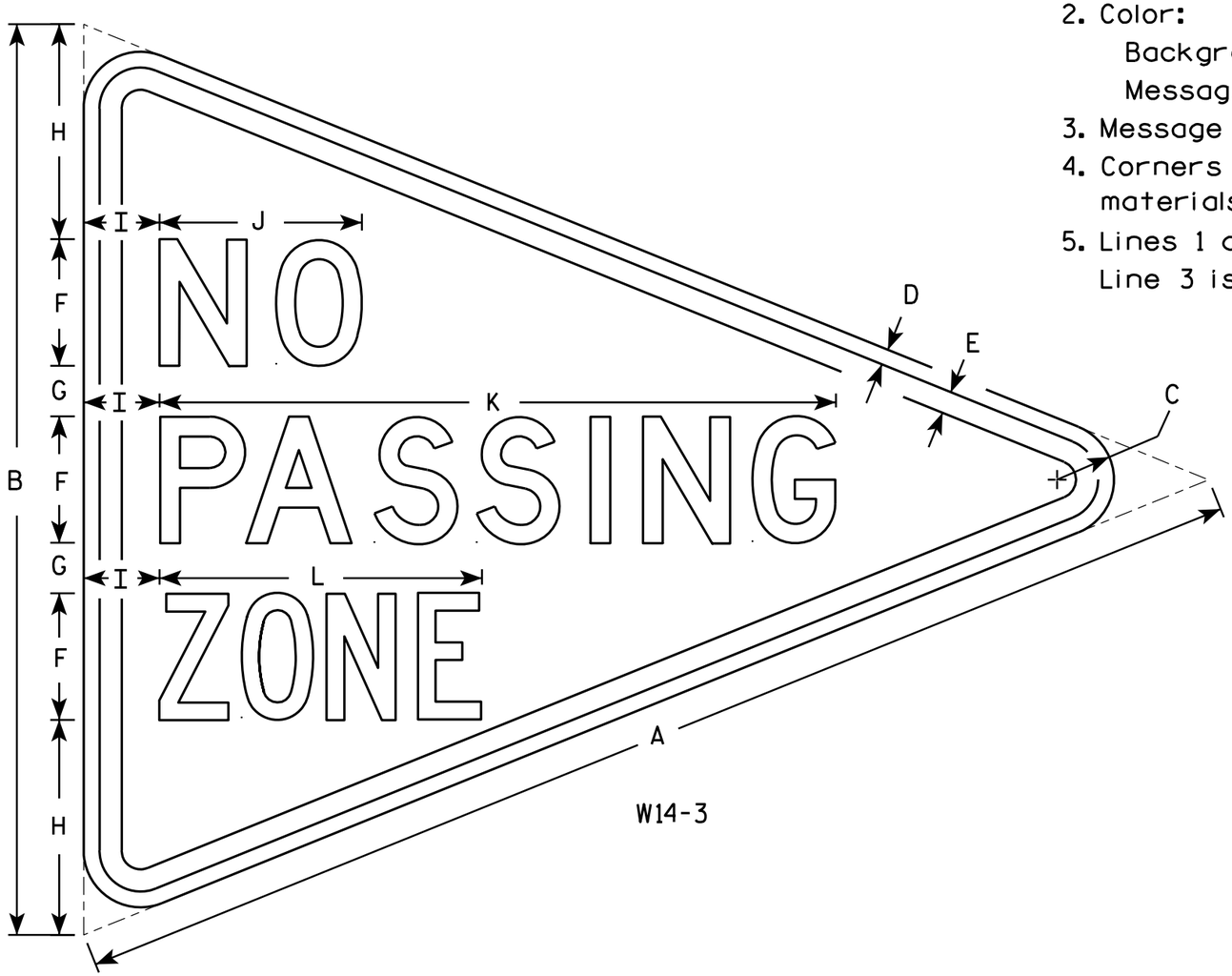
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 179	E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See note 5
4. Corners and borders shall be rounded on all base materials for this sign.
5. Lines 1 and 2 are Series D.
   Line 3 is series C.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

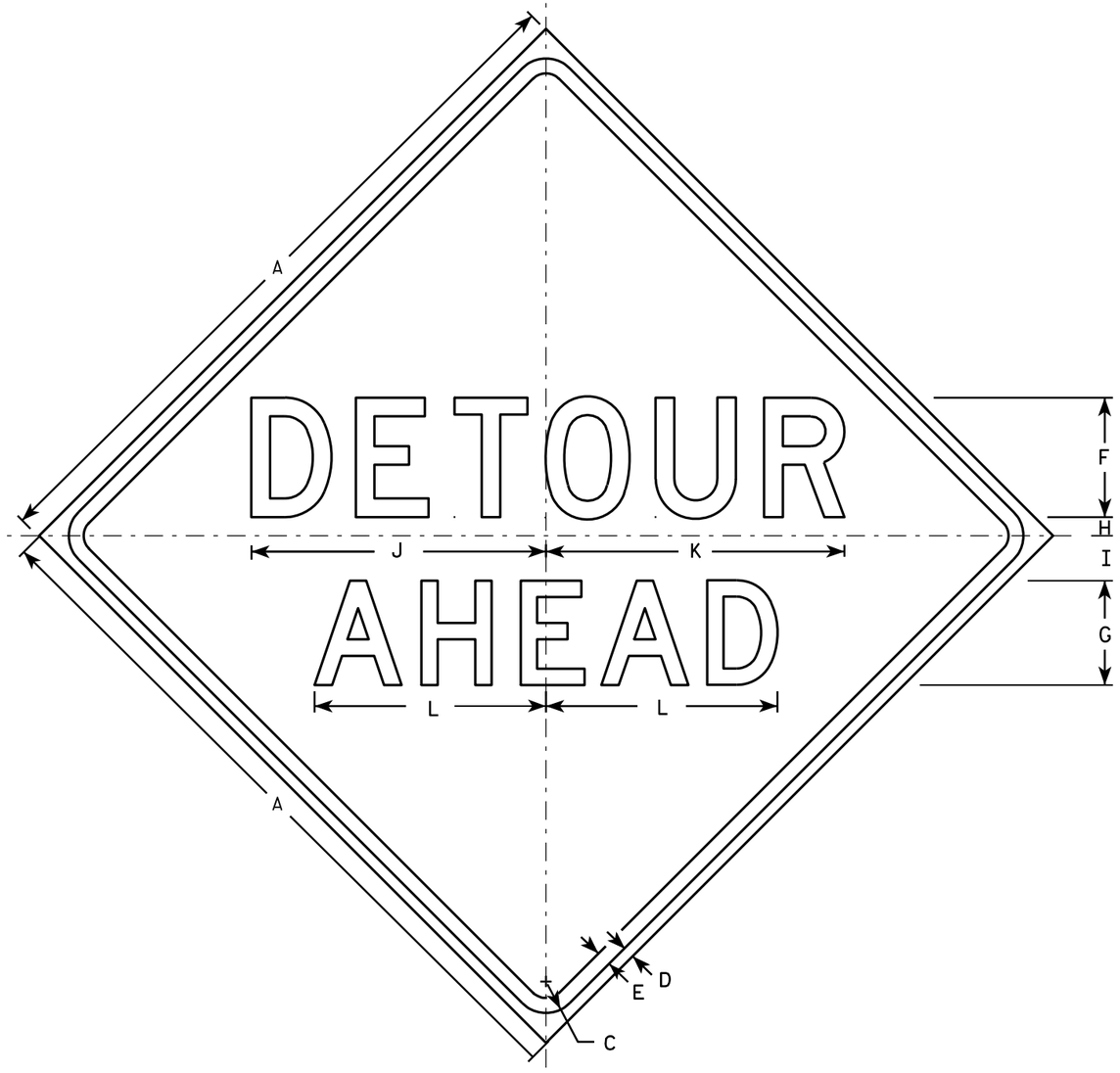
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

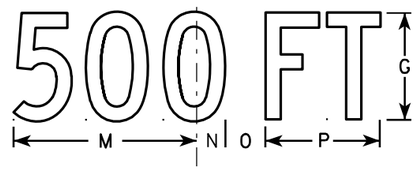
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

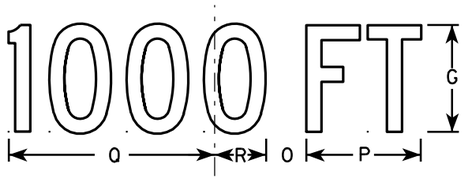
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 180	E



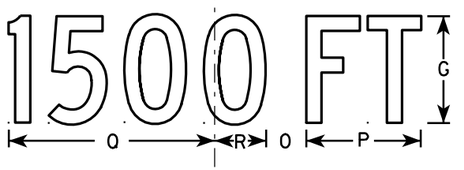
W20-2A



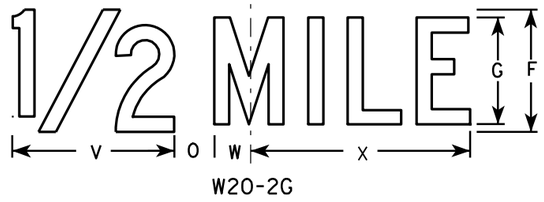
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 181 | E

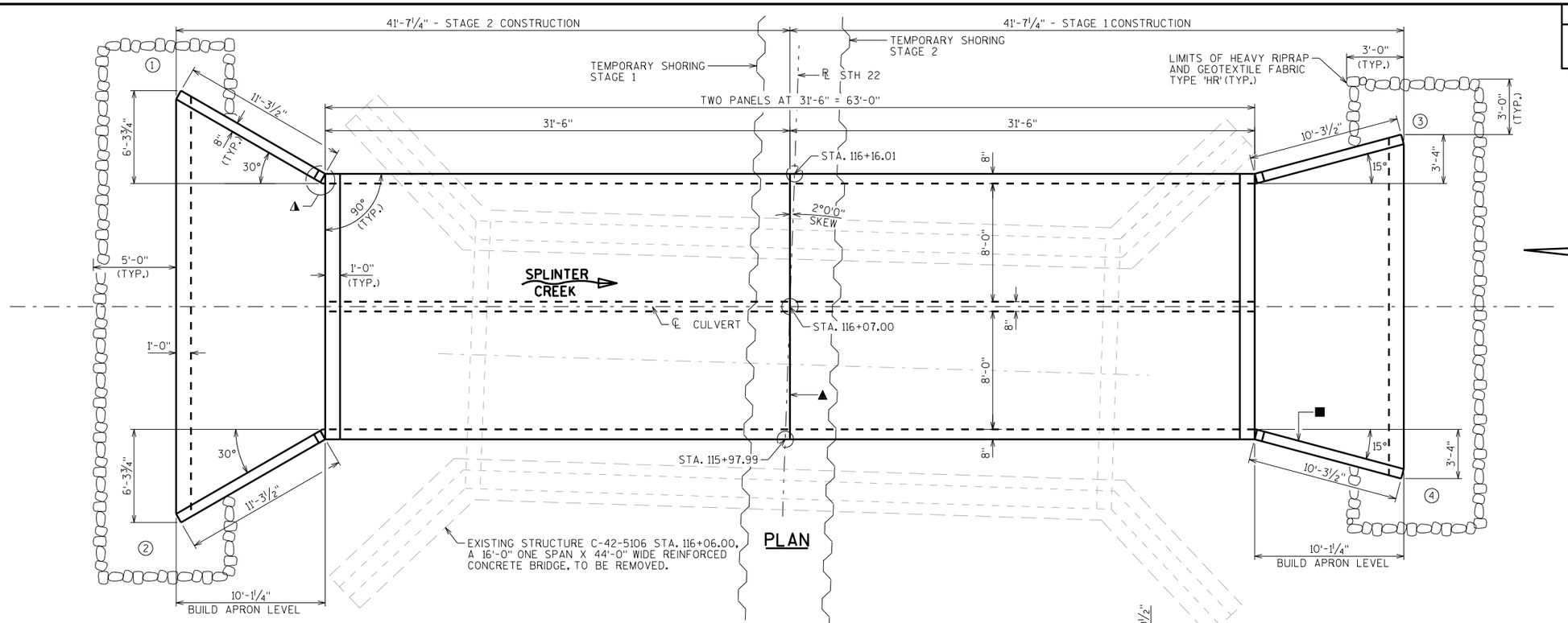
7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42

STATE PROJECT NUMBER
9180-22-71

▲ SEE CORNER DETAILS (SEE SHEET 4)
■ NAME PLATE LOCATION (SEE SHEET 4)
▲ VERT. CONST. JOINT
○ INDICATES WING NUMBER

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.



ELEVATION

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON
4. DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACT:
EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

DESIGN DATA

LIVE LOAD: HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING FACTOR: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTH LOAD: DESIGNED FOR 0.5 FT. TO 2.0 FT. OF FILL.

MATERIAL PROPERTIES:
CONCRETE MASONRY, GRADE A-FA ——— f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT —— fy = 60,000 P.S.I.

TRAFFIC VOLUME

STH 22
A.D.T. = 7,500 (2036)
R.D.S. = 60 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 340 C.F.S.
VEL. = 6.4 F.P.S.
HW. = EL. 711.95
DRAINAGE AREA = 6.5 SQ. MI.
OVERTOPPING RDWY = N.A.
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY
Q_2 = 90 C.F.S.
HW. = EL. 710.20

TOTAL ESTIMATED QUANTITIES

BID ITEMS

203.0200	REMOVING OLD STRUCTURE STA 116+06.00	1	LS
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-42-108	1	LS
210.0100	BACKFILL STRUCTURE	385	CY
311.0115	BREAKER RUN	80	CY
504.0100	CONCRETE MASONRY CULVERTS	128	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	5,950	LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	9,680	LB
511.1200	TEMPORARY SHORING C-42-108	580	SF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	17	SY
606.0300	RIPRAP HEAVY	30	CY
645.0105	GEOTEXTILE FABRIC TYPE C	255	SY
645.0120	GEOTEXTILE FABRIC TYPE HR	85	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

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

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DEVELOPMENT SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES."

CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES
ACCEPTED William C. Dreher 4/27/16
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-42-108

STH 22 OVER SPLINTER CREEK

COUNTY	TOWN/~~CITY/VILLAGE~~
OCONTO	OCONTO FALLS

DESIGN SPEC. AASHTO LRFD DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EMK	NAR	EMK	NAR

LAYOUT

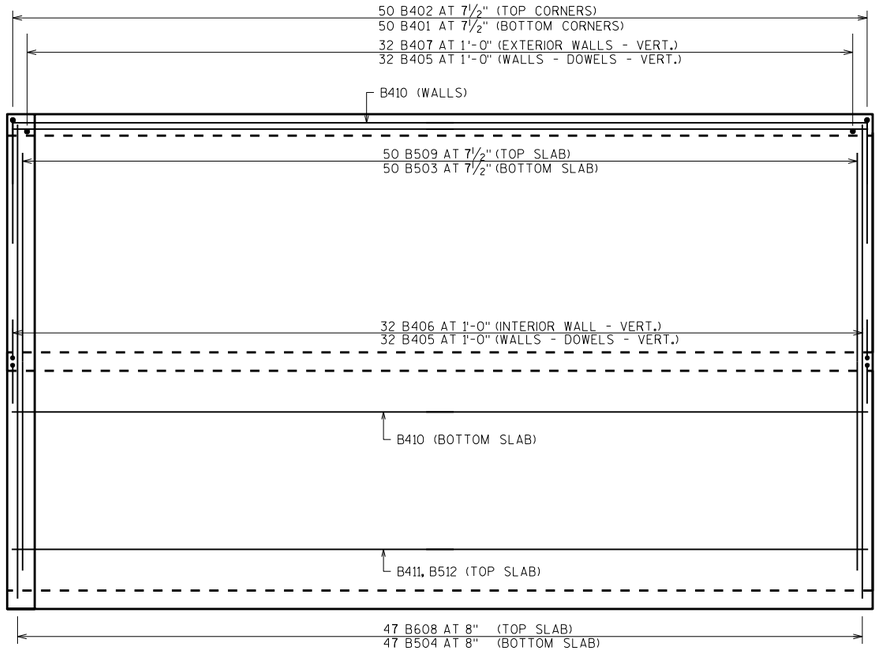
SHEET 1 OF 5

182

I.D. 9180-22-00A

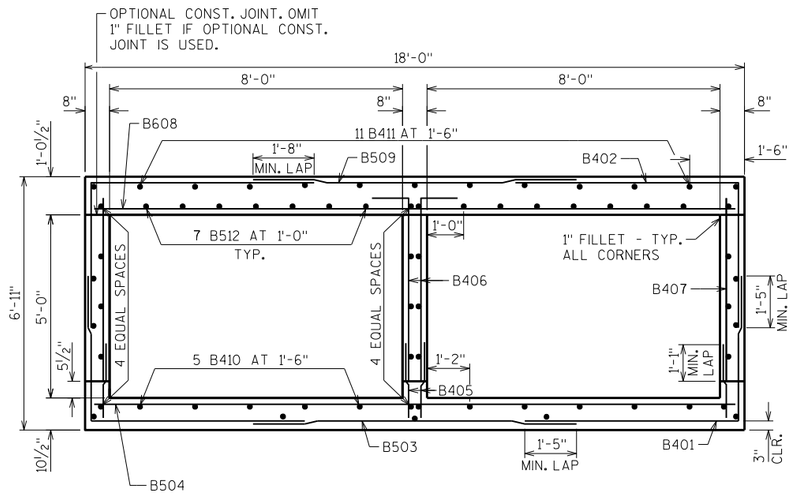
DATE: APRIL 2016

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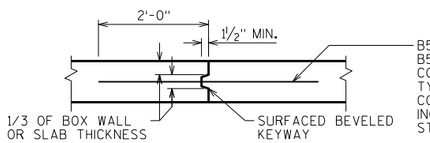
PLAN VIEW OF INLET PANEL

USE IDENTICAL STEEL IN EXTERIOR OUTLET PANEL.
HEADER BARS & APRON NOT SHOWN FOR CLARITY.



TYPICAL SECTION THRU BOX

ALL LONGITUDINAL BARS NOT IDENTIFIED IN THE BOTTOM SLAB AND WALL ARE B410 BARS AS SHOWN
ALL LONGITUDINAL BARS NOT IDENTIFIED IN THE TOP SLAB ARE B411 BARS AS SHOWN



B515 AT 1'-0" MAX SPA. (BOT. SLAB AND WALLS)
B516 AT 1'-0" MAX SPA. (TOP SLAB)
CONTRACTOR MAY UTILIZE MASONRY ANCHORS, TYPE S, (EPOXY ANCHORED), 5/8-INCH. EMBED 6" IN CONCRETE. NO. 5 BAR AND MASONRY ANCHOR INCIDENTAL TO "BAR STEEL REINFORCEMENT HS STRUCTURES"

VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

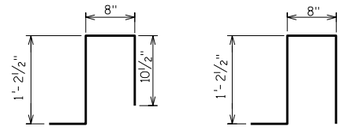
STATE PROJECT NUMBER

9180-22-71

BILL OF BARS

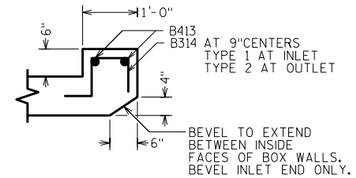
THE FIRST OR FIRST AND SECOND DIGIT OF THE MARK SIGNIFIES THE BAR SIZE. THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF A "L" SHAPED BAR. LONGER BARS OF THE SAME SIZE MAY BE SUBSTITUTED FOR SHORTER BARS. PAYMENT BASED ON BAR LENGTHS AS DETAILED.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401	X	200	9'-9"	5'-10"	BOTTOM CORNERS
B402	X	200	10'-0"	6'-1"	TOP CORNERS
B503		100	8'-10"		BOTTOM SLAB - TRANS.
B504		94	17'-8"		BOTTOM SLAB - TRANS.
B405		256	2'-2"		WALLS - DOWELS - VERT.
B406	X	128	6'-4"	1'-0"	INTERIOR WALL - VERT.
B407		128	5'-5"		EXTERIOR WALLS VERTICAL
B608	X	94	17'-8"		TOP SLAB - TRANS.
B509	X	100	8'-10"		TOP SLAB - TRANS.
B410		70	31'-2"		BOTTOM SLAB & WALLS - LONGIT.
B411	X	34	31'-2"		TOP SLAB - LONGIT.
B512	X	28	31'-2"		TOP SLAB - LONGIT.
B413	X	4	17'-8"		HEADERS - HORIZ.
B314	X	48	3'-0"		HEADER STIRRUPS - VERT.
B515		34	4'-0"		VERT. CONST. JOINT - BOT. SLAB & WALLS
B516	X	19	4'-0"		VERT. CONST. JOINT - TOP SLAB



B314
24 TYPE 1

B314
24 TYPE 2



SECTION THRU TOP HEADER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-42-108

DRAWN BY EMK | PLANS CK'D. NAR

BOX DETAILS

SHEET 2

183

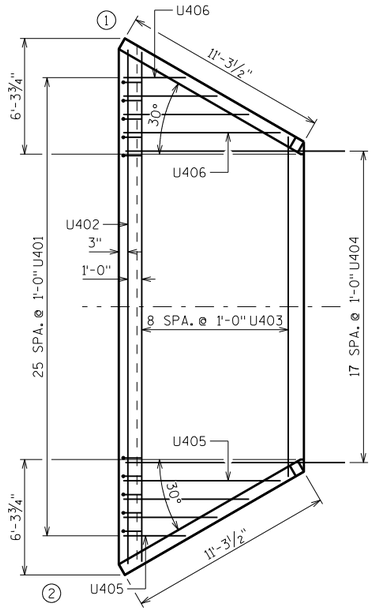
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8

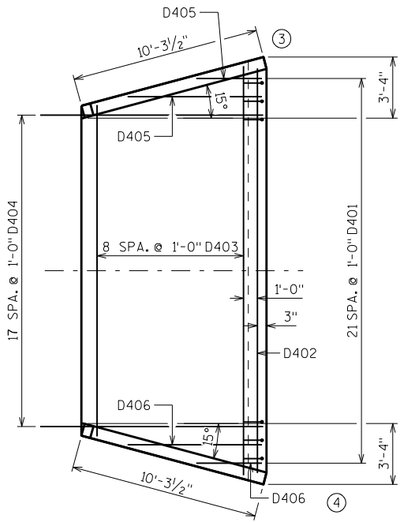
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STATE PROJECT NUMBER

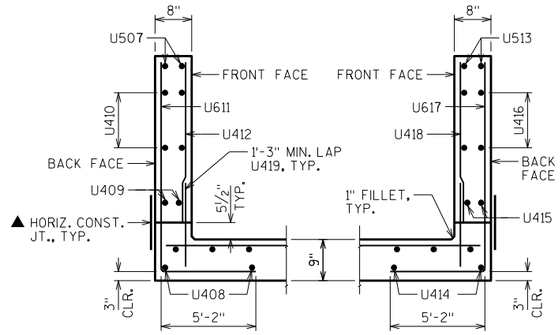
9180-22-71



INLET APRON REINF. PLAN

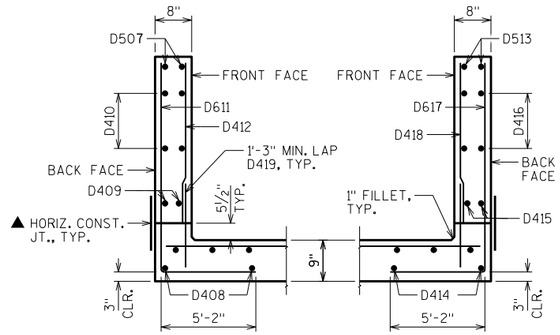


OUTLET APRON REINF. PLAN



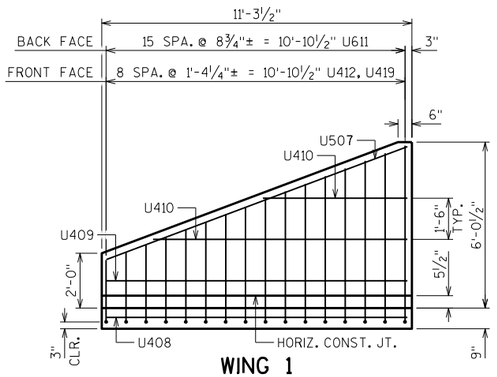
WING 1 AND WING 2 SECTIONS

AT RIGHT ANGLES TO WING WALLS

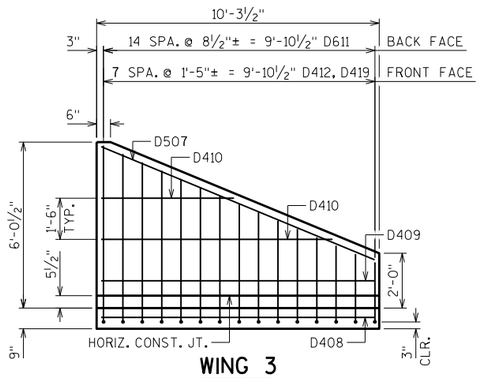


WING 3 AND WING 4 SECTIONS

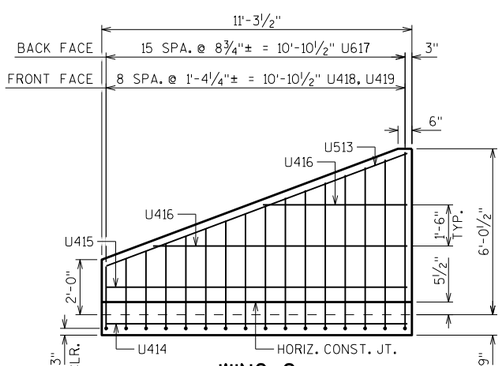
AT RIGHT ANGLES TO WING WALLS



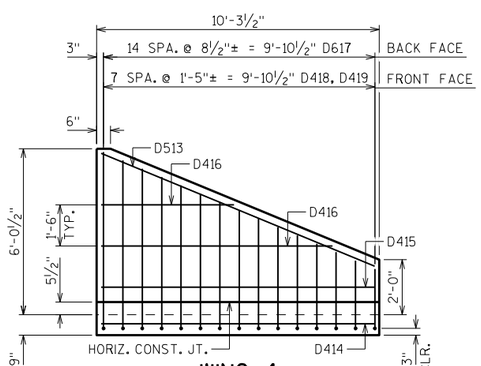
WING 1



WING 3



WING 2



WING 4

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-42-108

DRAWN BY EMK | PLANS CK'D. NAR

APRON

SHEET 3

184

SCALE = 4.0

8

8

STATE PROJECT NUMBER

9180-22-71

BILL OF BARS

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

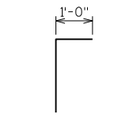
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
U401		26	3'-0"	X		INLET APRON AND CUTOFF WALL VERT.
U402		3	28'-1"			INLET APRON AND CUTOFF WALL HORIZ.
U403		9	23'-3"		⚠	INLET APRON SLAB HORIZ.
U404		18	12'-2"			INLET APRON AND BOX SLAB HORIZ.
U405		4	6'-0"		⚠	INLET APRON SLAB HORIZ.
U406		4	6'-0"		⚠	INLET APRON SLAB HORIZ.
U507	X	2	11'-8"			WING 1 HORIZ. TOP BOTH FACES
U408	X	2	11'-0"			WING 1 HORIZ. APRON SLAB
U409	X	2	11'-0"			WING 1 HORIZ. BOTTOM BOTH FACES
U410	X	4	7'-3"		⚠	WING 1 HORIZ.
U611	X	16	9'-5"	X	⚠	WING 1 VERT. BACK FACE
U412	X	9	3'-5"		⚠	WING 1 VERT. FRONT FACE
U513	X	2	11'-8"			WING 2 HORIZ. TOP BOTH FACES
U414	X	2	11'-0"			WING 2 HORIZ. APRON SLAB
U415	X	2	11'-0"			WING 2 HORIZ. BOTTOM BOTH FACES
U416	X	4	7'-3"		⚠	WING 2 HORIZ.
U617	X	16	9'-5"	X	⚠	WING 2 VERT. BACK FACE
U418	X	9	3'-5"		⚠	WING 2 VERT. FRONT FACE
U419	X	18	2'-3"			WINGS 1 & 2 DOWELS FRONT FACE
D401		22	5'-6"	X		OUTLET APRON AND CUTOFF WALL VERT.
D402		5	22'-1"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		9	20'-2"		⚠	OUTLET APRON SLAB HORIZ.
D404		18	12'-2"			OUTLET APRON AND BOX SLAB HORIZ.
D405		2	5'-6"		⚠	OUTLET APRON SLAB HORIZ.
D406		2	5'-6"		⚠	OUTLET APRON SLAB HORIZ.
D507	X	2	10'-7"			WING 3 HORIZ. TOP BOTH FACES
D408	X	2	10'-0"			WING 3 HORIZ. APRON SLAB
D409	X	2	10'-0"			WING 3 HORIZ. BOTTOM BOTH FACES
D410	X	4	6'-8"		⚠	WING 3 HORIZ.
D611	X	15	9'-5"	X	⚠	WING 3 VERT. BACK FACE
D412	X	8	3'-5"		⚠	WING 3 VERT. FRONT FACE
D513	X	2	10'-7"			WING 4 HORIZ. TOP BOTH FACES
D414	X	2	10'-0"			WING 4 HORIZ. APRON SLAB
D415	X	2	10'-0"			WING 4 HORIZ. BOTTOM BOTH FACES
D416	X	4	6'-8"		⚠	WING 4 HORIZ.
D617	X	15	9'-5"	X	⚠	WING 4 VERT. BACK FACE
D418	X	8	3'-5"		⚠	WING 4 VERT. FRONT FACE
D419	X	16	2'-3"			WINGS 3 & 4 DOWELS FRONT FACE

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

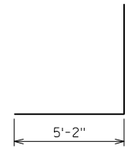
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
U403	1 SERIES OF 9	18'-7" TO 27'-10"
U405	1 SERIES OF 4	3'-5" TO 8'-7"
U406	1 SERIES OF 4	3'-5" TO 8'-7"
U410	2 SERIES OF 2	5'-3" TO 9'-3"
U611	1 SERIES OF 16	7'-5" TO 11'-5"
U412	1 SERIES OF 9	1'-5" TO 5'-5"
U416	2 SERIES OF 2	5'-3" TO 9'-3"
U617	1 SERIES OF 16	7'-5" TO 11'-5"
U418	1 SERIES OF 9	1'-5" TO 5'-5"
D405	1 SERIES OF 2	3'-7" TO 7'-4"
D406	1 SERIES OF 2	3'-7" TO 7'-4"
D410	2 SERIES OF 2	4'-10" TO 8'-5"
D611	1 SERIES OF 15	7'-5" TO 11'-5"
D412	1 SERIES OF 8	1'-5" TO 5'-5"
D416	2 SERIES OF 2	4'-10" TO 8'-5"
D617	1 SERIES OF 15	7'-5" TO 11'-5"
D418	1 SERIES OF 8	1'-5" TO 5'-5"

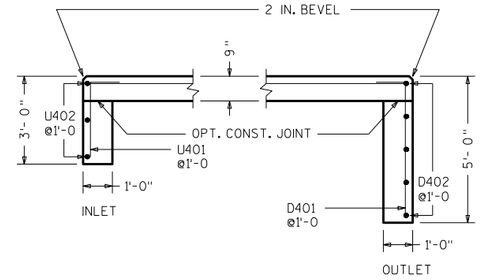
BUNDLE AND TAG EACH SERIES SEPERATELY



U401, D401

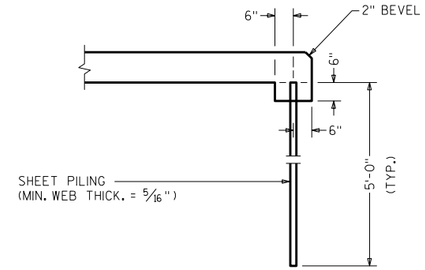


U611, U617, D611, D617



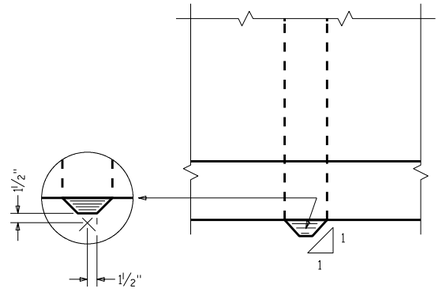
CUT-OFF WALLS

SECTION THRU THE WALLS

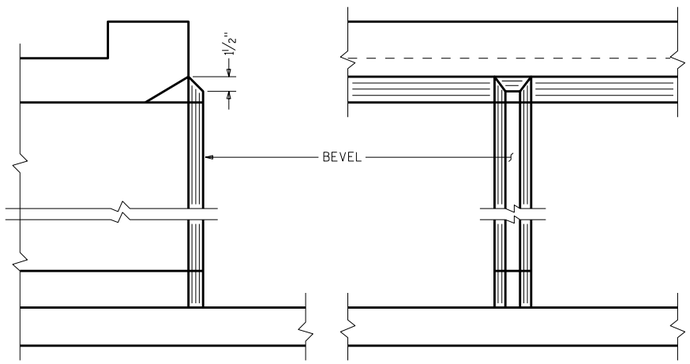


ALTERNATE CUT-OFF WALLS

THE ABOVE ALT. MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONC. CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONC. CUT-OFF WALLS.

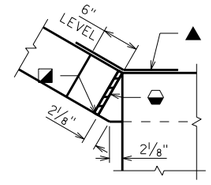


PLAN

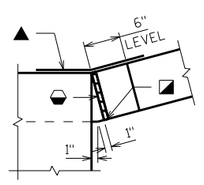


SECTION ELEVATION

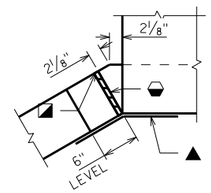
INLET NOSE DETAILS



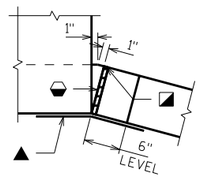
CORNER 1



CORNER 3

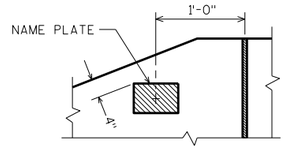


CORNER 2

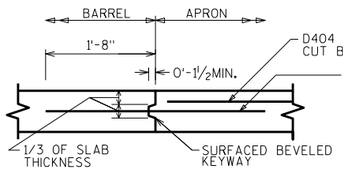


CORNER 4

CORNER DETAILS



NAME PLATE LOCATION
WING 4



OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

◒ 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.

◪ 1" BEVEL, TYP.

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-42-108

DRAWN BY EMK | PLANS CK'D. NAR

DETAILS

SHEET 4

185

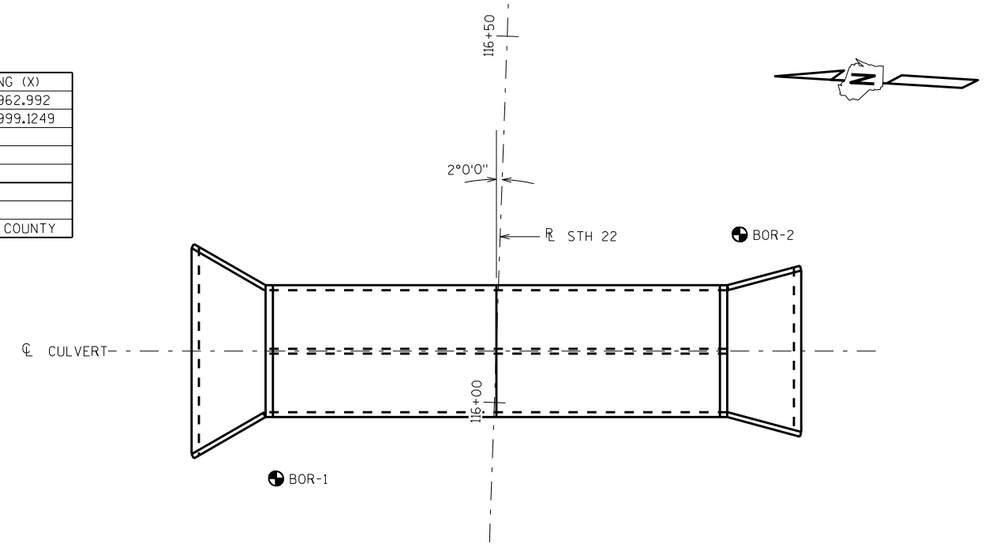
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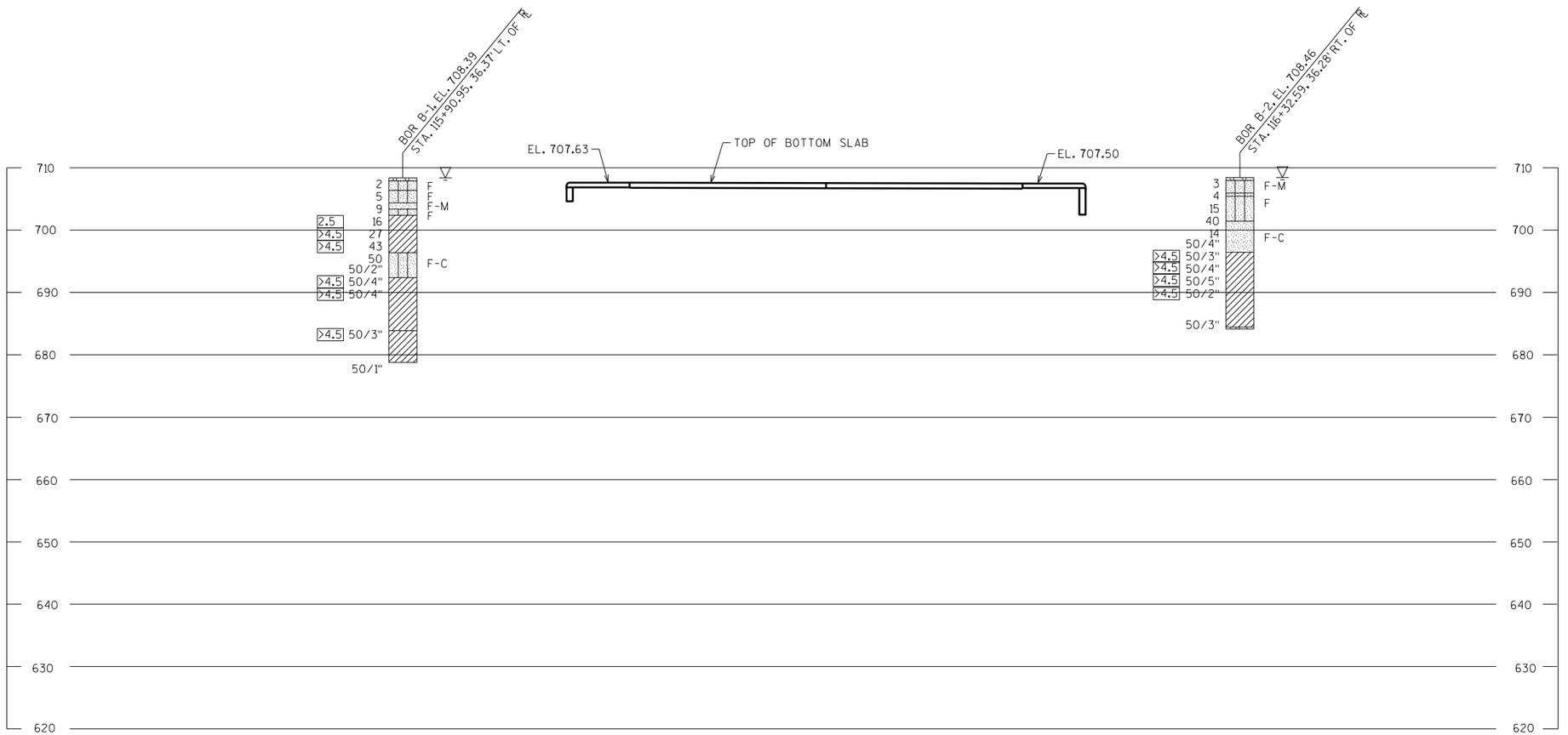
8

8

OCONTO FALLS - USH 141
STH 22 OVER SPLINTER CREEK

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	6/19/2014	178381.7808	546962.992
2	6/19/2014	178320.071	546999.1249
BORINGS COMPLETED BY: AET			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OCONTO COUNTY			





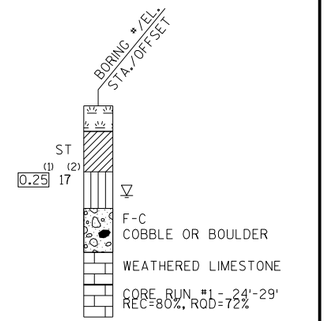
STATE PROJECT NUMBER

9180-22-71

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 C-42-108

DRAWN BY PR&EMK | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

SHEET 5

186

SCALE = 1.0

8

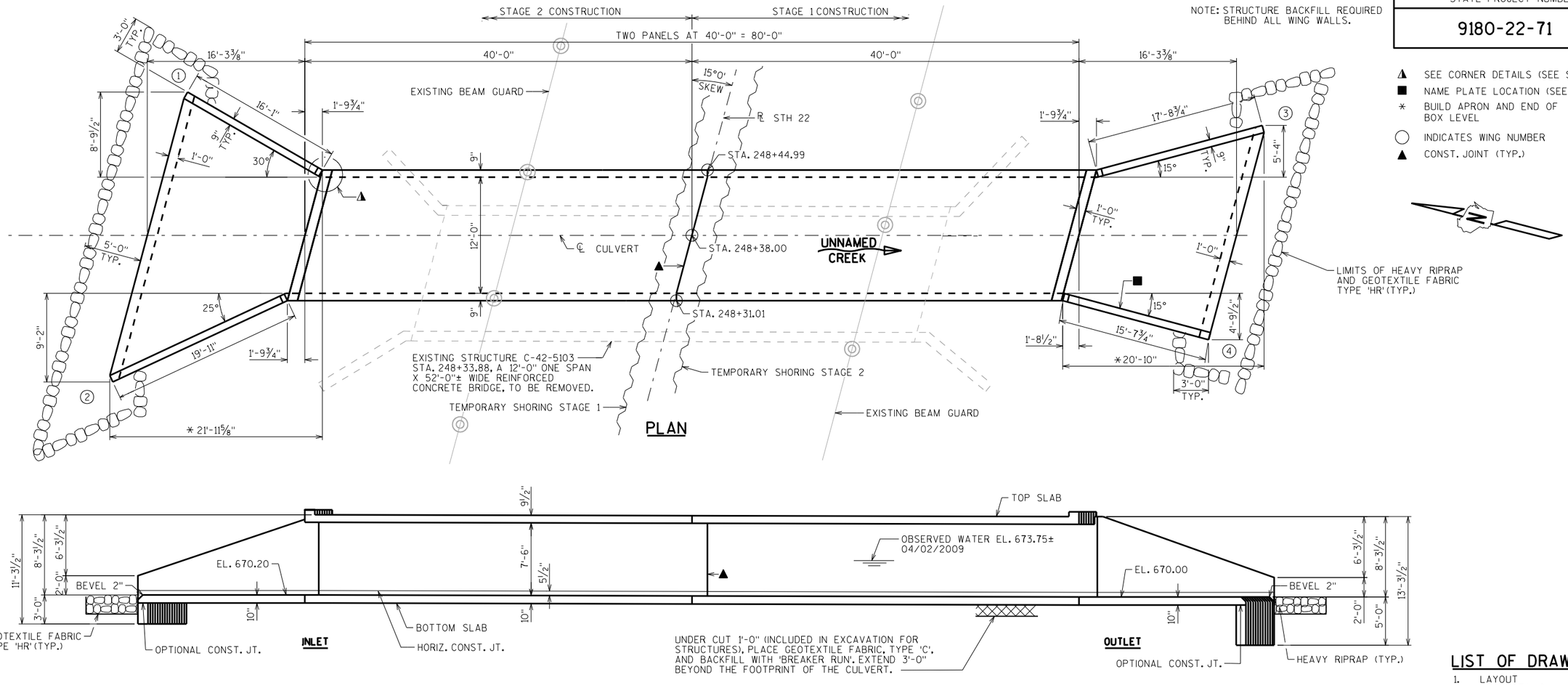
8

STATE PROJECT NUMBER

9180-22-71

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

▲ SEE CORNER DETAILS (SEE SHEET 4)
■ NAME PLATE LOCATION (SEE SHEET 4)
* BUILD APRON AND END OF BOX LEVEL
◯ INDICATES WING NUMBER
▲ CONST. JOINT (TYP.)



ELEVATION

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON
4. DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACT:
EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

DESIGN DATA

LIVE LOAD: HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING FACTOR: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTH LOAD: DESIGNED FOR 4.0-6.0 FT. OF FILL.

MATERIAL PROPERTIES:
CONCRETE MASONRY, GRADE A-FA — f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT — fy = 60,000 P.S.I.

INVERTS SET 1'-0" BELOW STREAM BED.

TRAFFIC VOLUME

STH 22
A.D.T. = 7,500 (2035)
R.D.S. = 60 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 140 C.F.S.
VEL. = 2.2 F.P.S.
HW. = EL. 675.33
DRAINAGE AREA = 4.3 SQ. MI.
OVERTOPPING RDWY = N.A.
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY
Q_2 = 35 C.F.S.
HW. = EL. 674.17

TOTAL ESTIMATED QUANTITIES

BID ITEMS

203.0200	REMOVING OLD STRUCTURE STA 248+33.88	1	LS
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-42-109	1	LS
210.0100	BACKFILL STRUCTURE	790	CY
311.0115	BREAKER RUN	86	CY
504.0100	CONCRETE MASONRY CULVERTS	136	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	17,910	LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	2,460	LB
511.1200	TEMPORARY SHORING C-42-109	1,065	SF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	24	SY
606.0300	RIPRAP HEAVY	33	CY
645.0105	GEOTEXTILE FABRIC TYPE C	290	SY
645.0120	GEOTEXTILE FABRIC TYPE HR	88	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

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

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DEVELOPMENT SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES."

CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES
ACCEPTED William C. Dreher 4/27/16
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-42-109

STH 22 OVER UNNAMED CREEK

COUNTY: OCONTO
TOWN/~~CITY/VILLAGE~~: OCONTO FALLS
DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EMK	NAR	EMK	NAR

LAYOUT

SHEET 1 OF 5

187

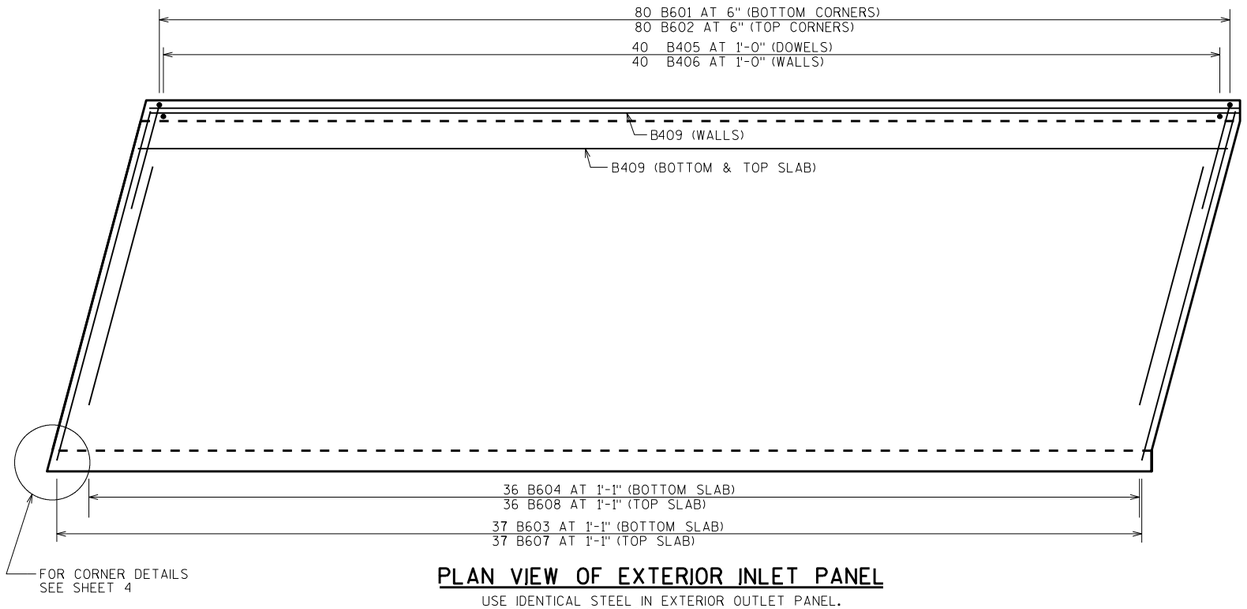
I.D. 9180-22-00B

DATE: APRIL 2016

SCALE = 5.5

STATE PROJECT NUMBER

9180-22-71



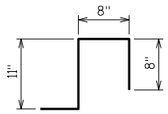
PLAN VIEW OF EXTERIOR INLET PANEL

USE IDENTICAL STEEL IN EXTERIOR OUTLET PANEL.
HEADER BARS & APRON NOT SHOWN FOR CLARITY.

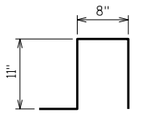
BILL OF BARS

THE FIRST OR FIRST AND SECOND DIGIT OF THE MARK SIGNIFIES THE BAR SIZE. THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF A "L" SHAPED BAR. LONGER BARS OF THE SAME SIZE MAY BE SUBSTITUTED FOR SHORTER BARS. PAYMENT BASED ON BAR LENGTHS AS DETAILED.

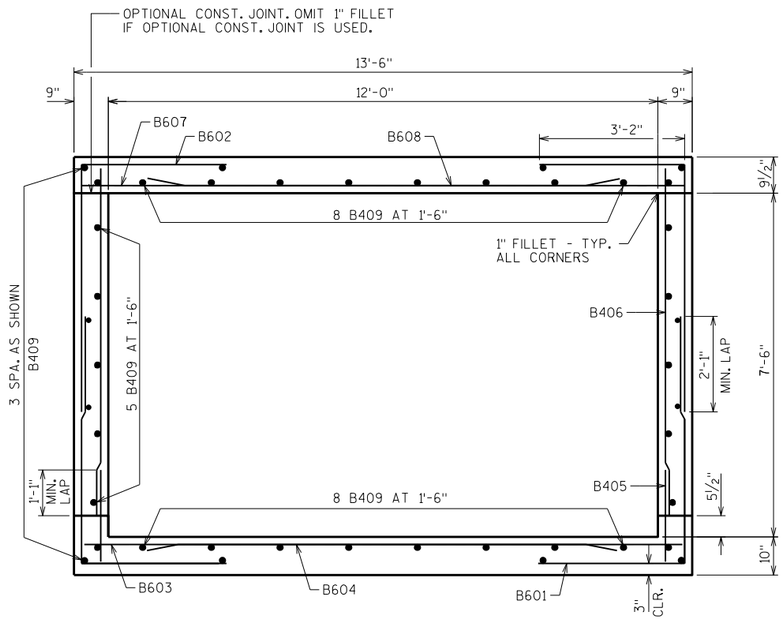
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B601		320	8'-5"	3'-2"	BOTTOM CORNERS
B602		320	8'-5"	3'-2"	TOP CORNERS
B603		74	13'-2"		BOTTOM SLAB - TRANS.
B604		72	10'-4"		BOTTOM SLAB - TRANS.
B405		160	2'-2"		WALLS - DOWELS - VERT.
B406		160	7'-7"		WALLS - VERT.
B607		74	13'-2"		TOP SLAB - TRANS.
B608		72	10'-4"		TOP SLAB - TRANS.
B409		84	39'-8"		SLAB & WALLS - LONGIT.
B410		4	13'-7"		HEADERS - HORIZ.
B311		38	2'-8"	X	HEADER STIRRUPS - VERT.
B512		46	4'-0"		VERT. CONST. JOINT



B311
19 TYPE 1

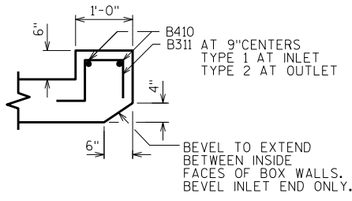


B311
19 TYPE 2

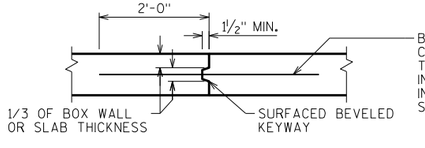


TYPICAL SECTION THRU BOX

ALL LONGITUDINAL BARS NOT IDENTIFIED ARE B409 BARS AS SHOWN



SECTION THRU TOP HEADER



B512 AT 1'-0" MAX SPA. CONTRACTOR MAY UTILIZE MASONRY ANCHORS, TYPE S, (EPOXY ANCHORED), 5/8-INCH. EMBED 6" IN CONCRETE. NO. 5 BAR AND MASONRY ANCHOR INCIDENTAL TO "BAR STEEL REINFORCEMENT HS STRUCTURES".

VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-42-109

DRAWN BY EMK | PLANS CK'D. NAR

BOX DETAILS

SHEET 2

188

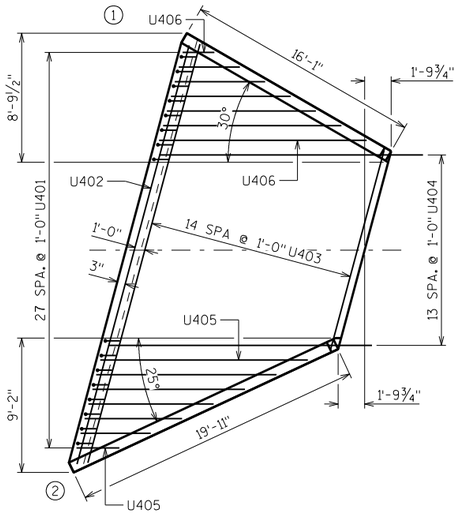
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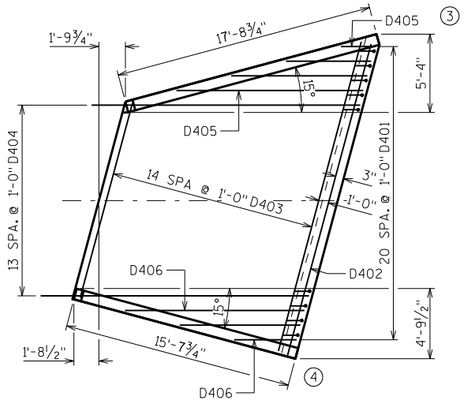
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STATE PROJECT NUMBER

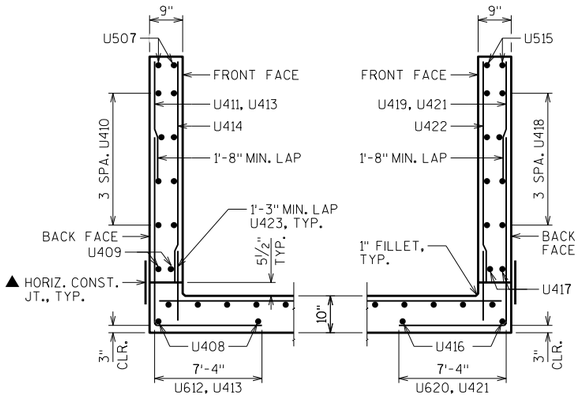
9180-22-71



INLET APRON REINF. PLAN

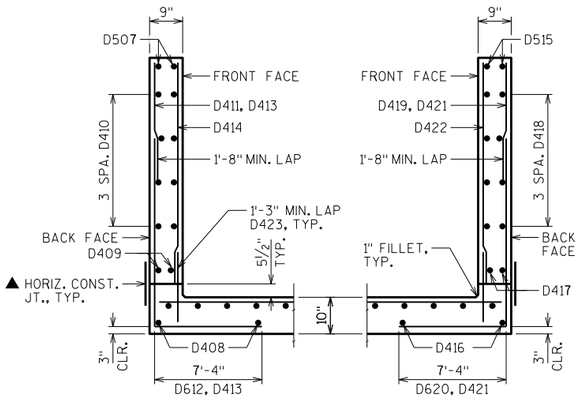


OUTLET APRON REINF. PLAN



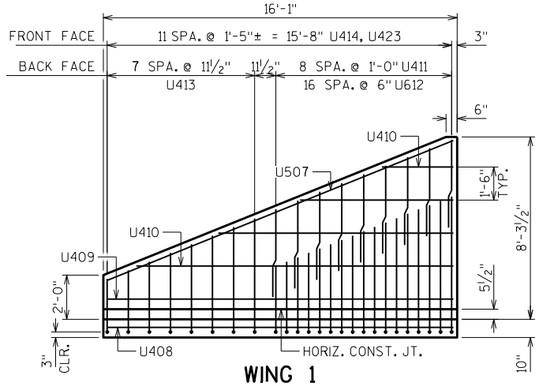
WING 1 AND WING 2 SECTIONS

AT RIGHT ANGLES TO WING WALLS

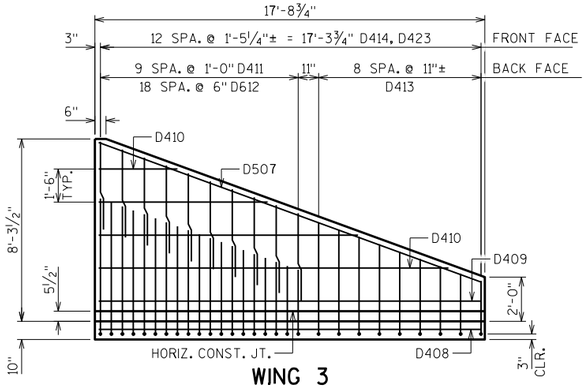


WING 3 AND WING 4 SECTIONS

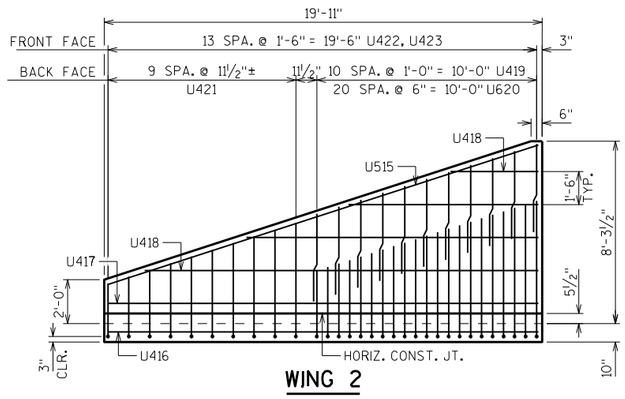
AT RIGHT ANGLES TO WING WALLS



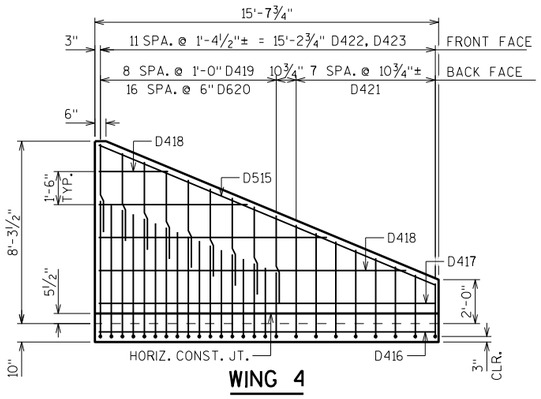
WING 1



WING 3



WING 2



WING 4

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-42-109

DRAWN BY EMK | PLANS CK'D. NAR

APRON

SHEET 3

189

SCALE = 5.0

8

8

STATE PROJECT NUMBER

9180-22-71

BILL OF BARS

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

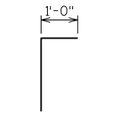
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
U401		28	3'-0"	X		INLET APRON AND CUTOFF WALL VERT.
U402		3	29'-7"			INLET APRON AND CUTOFF WALL HORIZ.
U403		15	21'-10"		⚠	INLET APRON SLAB HORIZ.
U404		14	18'-4"			INLET APRON AND BOX SLAB HORIZ.
U405		7	8'-7"		⚠	INLET APRON SLAB HORIZ.
U406		7	8'-2"		⚠	INLET APRON SLAB HORIZ.
U507	X	2	16'-7"			WING 1 HORIZ. TOP BOTH FACES
U408	X	2	15'-8"			WING 1 HORIZ. APRON SLAB
U409	X	2	15'-8"			WING 1 HORIZ. BOTTOM BOTH FACES
U410	X	8	8'-10"		⚠	WING 1 HORIZ.
U411	X	9	4'-1"			WING 1 VERT. BACK FACE
U612	X	17	11'-11"	X	⚠	WING 1 VERT. BACK FACE
U413	X	8	11'-0"	X	⚠	WING 1 VERT. BACK FACE
U414	X	12	4'-6"		⚠	WING 1 VERT. FRONT FACE
U515	X	2	20'-3"			WING 2 HORIZ. TOP BOTH FACES
U416	X	2	19'-6"			WING 2 HORIZ. APRON SLAB
U417	X	2	19'-6"			WING 2 HORIZ. BOTTOM BOTH FACES
U418	X	8	11'-0"		⚠	WING 2 HORIZ.
U419	X	11	4'-1"			WING 2 VERT. BACK FACE
U620	X	21	11'-11"	X	⚠	WING 2 VERT. BACK FACE
U421	X	10	11'-0"	X	⚠	WING 2 VERT. BACK FACE
U422	X	14	4'-6"		⚠	WING 2 VERT. FRONT FACE
U423	X	26	2'-4"			WINGS 1 & 2 DOWELS FRONT FACE
D401		21	5'-6"	X		OUTLET APRON AND CUTOFF WALL VERT.
D402		5	22'-0"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		15	17'-10"		⚠	OUTLET APRON SLAB HORIZ.
D404		14	18'-4"			OUTLET APRON AND BOX SLAB HORIZ.
D405		4	7'-7"		⚠	OUTLET APRON SLAB HORIZ.
D406		3	8'-3"		⚠	OUTLET APRON SLAB HORIZ.
D507	X	2	18'-2"			WING 3 HORIZ. TOP BOTH FACES
D408	X	2	17'-3"			WING 3 HORIZ. APRON SLAB
D409	X	2	17'-3"			WING 3 HORIZ. BOTTOM BOTH FACES
D410	X	8	9'-9"		⚠	WING 3 HORIZ.
D411	X	10	4'-1"			WING 3 VERT. BACK FACE
D612	X	19	11'-11"	X	⚠	WING 3 VERT. BACK FACE
D413	X	9	10'-11"	X	⚠	WING 3 VERT. BACK FACE
D414	X	13	4'-6"		⚠	WING 3 VERT. FRONT FACE
D515	X	2	16'-2"			WING 4 HORIZ. TOP BOTH FACES
D416	X	2	15'-2"			WING 4 HORIZ. APRON SLAB
D417	X	2	15'-2"			WING 4 HORIZ. BOTTOM BOTH FACES
D418	X	8	8'-7"		⚠	WING 4 HORIZ.
D419	X	9	4'-1"			WING 4 VERT. BACK FACE
D620	X	17	11'-11"	X	⚠	WING 4 VERT. BACK FACE
D421	X	8	10'-11"	X	⚠	WING 4 VERT. BACK FACE
D422	X	12	4'-6"		⚠	WING 4 VERT. FRONT FACE
D423	X	25	2'-4"			WINGS 3 & 4 DOWELS FRONT FACE

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

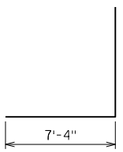
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
U403	1 SERIES OF 15	14'-1" TO 29'-7"
U405	1 SERIES OF 7	2'-11" TO 14'-2"
U406	1 SERIES OF 7	2'-2" TO 14'-2"
U410	2 SERIES OF 4	3'-3" TO 14'-5"
U612	1 SERIES OF 17	10'-4" TO 13'-6"
U413	1 SERIES OF 8	9'-8" TO 12'-5"
U414	1 SERIES OF 12	1'-5" TO 7'-8"
U418	2 SERIES OF 4	4'-0" TO 17'-11"
U620	1 SERIES OF 21	10'-4" TO 13'-6"
U421	1 SERIES OF 10	9'-8" TO 12'-5"
U422	1 SERIES OF 14	1'-5" TO 7'-8"
D403	1 SERIES OF 15	13'-10" TO 21'-11"
D405	1 SERIES OF 4	2'-4" TO 12'-9"
D406	1 SERIES OF 3	4'-3" TO 12'-3"
D410	2 SERIES OF 4	3'-7" TO 15'-11"
D612	1 SERIES OF 19	10'-3" TO 13'-6"
D413	1 SERIES OF 9	9'-8" TO 12'-4"
D414	1 SERIES OF 13	1'-5" TO 7'-8"
D418	2 SERIES OF 4	3'-2" TO 14'-0"
D620	1 SERIES OF 17	10'-3" TO 13'-6"
D421	1 SERIES OF 8	9'-4" TO 12'-4"
D422	1 SERIES OF 12	1'-5" TO 7'-8"

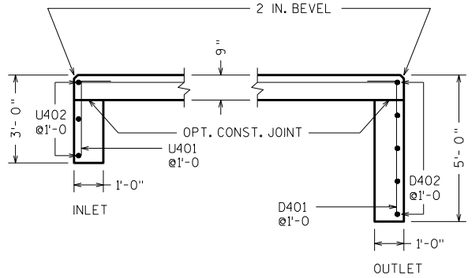
BUNDLE AND TAG EACH SERIES SEPERATELY



U401, D401

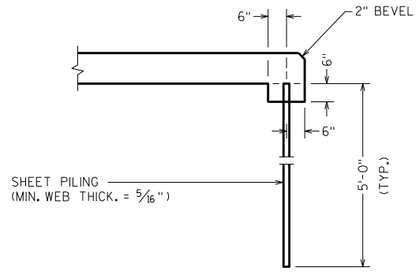


U612, U413, U620, U421,
D612, D413, D620, D421



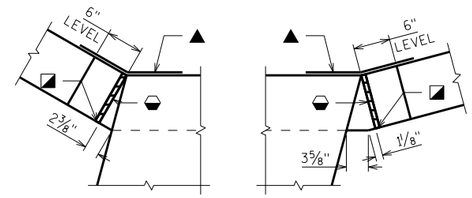
CUT-OFF WALLS

SECTION THRU THE WALLS

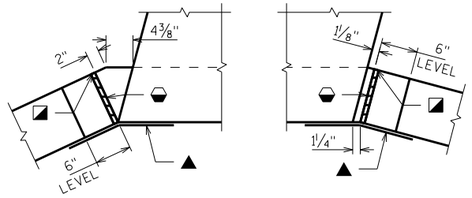


ALTERNATE CUT-OFF WALLS

THE ABOVE ALT. MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONC. CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONC. CUT-OFF WALLS.

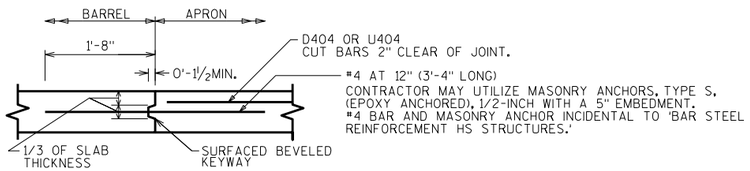


CORNER 1 CORNER 3



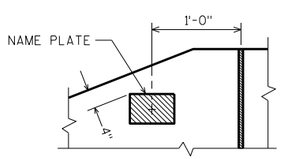
CORNER 2 CORNER 4

CORNER DETAILS



OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.



NAME PLATE LOCATION
WING 4

◒ 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.

◪ 1" BEVEL, TYP.

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-42-109

DRAWN BY EMK | PLANS CK'D. NAR

DETAILS

SHEET 4

190

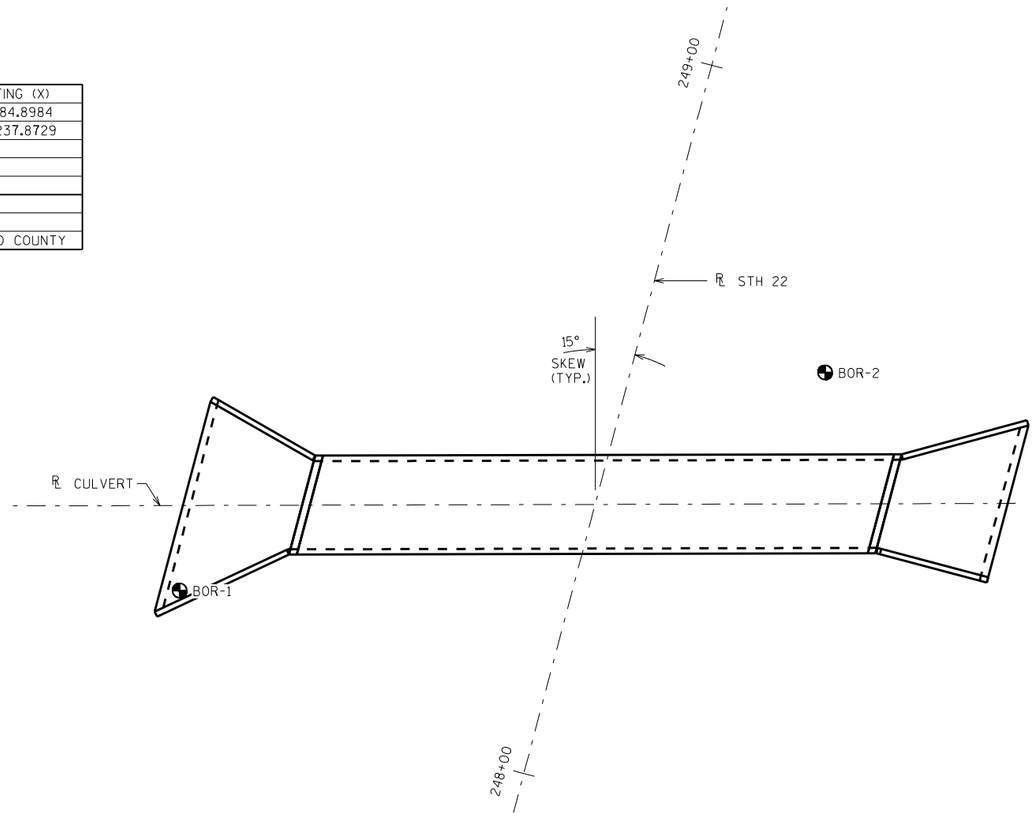
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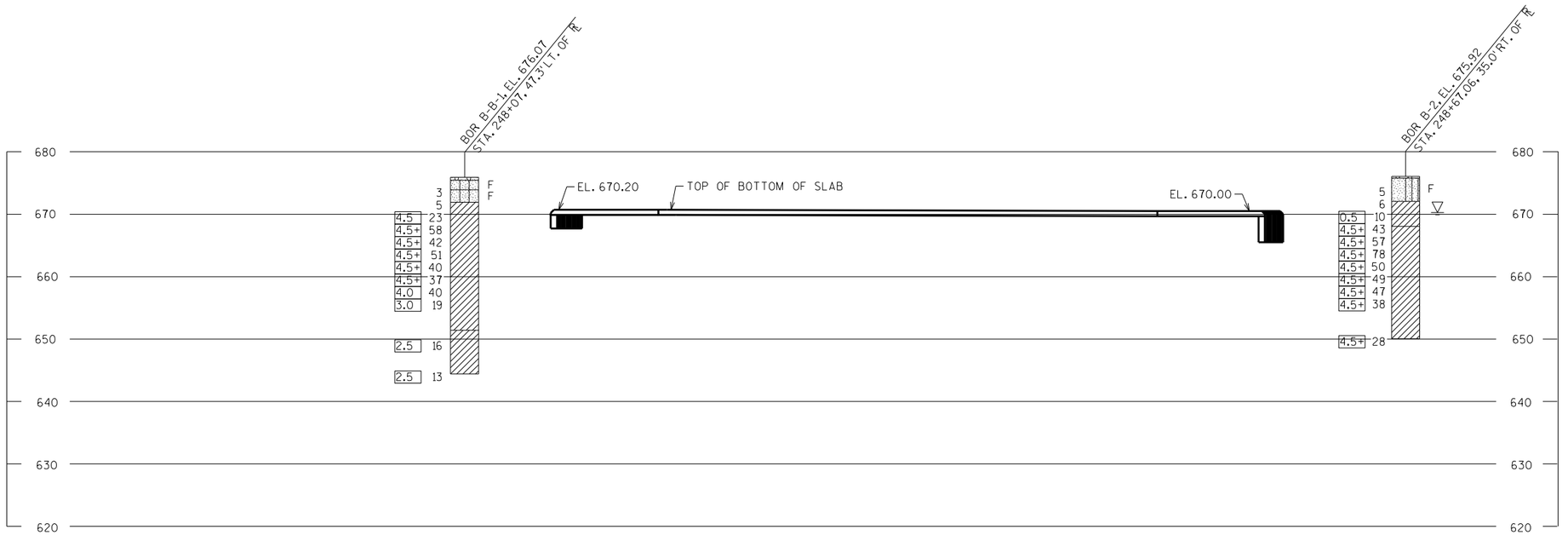
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OCONTO FALLS - USH 141
STH 22 OVER UNNAMED CREEK

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	6/18/2014	178535.6449	560184.8984
2	6/18/2014	178450.2266	560237.8729
BORINGS COMPLETED BY: AET			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OCONTO COUNTY			





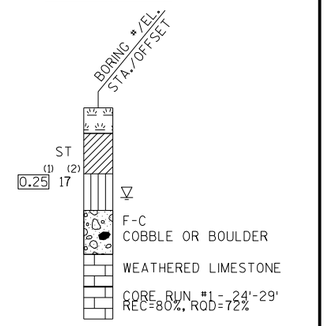
STATE PROJECT NUMBER

9180-22-71

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 C-42-109

DRAWN BY PR&EMK | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

SHEET 5

191

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SCALE = 1.0

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut	Fill	Marsh Exc	EBS	Cut	Expanded Fill	
											1.00	1.15	
							Note 1	Note 3			Note 1		Note 8
Division 1	49+88.66	0.00	21.61	4.89	0.00	0.00	0	0	0	0	0	0	0.00
	50+00	11.34	20.72	6.49	0.00	0.00	9	2	0	0	9	3	6.14
	50+50	50.00	12.83	6.91	0.00	0.00	31	12	0	0	40	17	22.93
	50+71.3	21.30	10.23	5.67	0.00	0.00	9	5	0	0	49	23	26.33
	51+00	28.70	7.47	9.48	0.00	0.00	9	8	0	0	58	32	26.47
	51+50	50.00	8.21	9.17	0.00	0.00	15	17	0	0	73	52	21.13
	52+00	50.00	17.03	5.09	0.00	0.00	23	13	0	0	96	67	29.32
	52+50	50.00	30.00	6.85	0.00	0.00	44	11	0	0	140	80	60.16
	52+73.3	23.30	36.32	23.17	0.00	0.00	29	13	0	0	169	95	73.88
	53+00	26.70	47.27	1.53	0.00	0.00	41	12	0	0	210	109	101.17
	53+50	50.00	49.89	13.23	0.00	0.00	90	14	0	0	300	124	175.42
	54+00	50.00	33.67	2.86	0.00	0.00	77	15	0	0	377	142	235.66
	54+50	50.00	14.14	6.44	0.00	0.00	44	9	0	0	421	151	270.04
	55+00	50.00	11.40	3.37	0.00	0.00	24	9	0	0	445	162	283.23
	55+50	50.00	9.38	2.90	0.00	0.00	19	6	0	0	464	169	295.80
	56+00	50.00	8.78	5.06	0.00	0.00	17	7	0	0	481	177	304.15
	56+50	50.00	10.93	5.84	0.00	0.00	18	10	0	0	499	189	310.81
	57+00	50.00	6.88	9.53	0.00	0.00	16	14	0	0	516	205	310.95
	57+50	50.00	7.58	10.31	0.00	0.00	13	18	0	0	529	226	303.22
	58+00	50.00	8.18	12.06	0.00	0.00	15	21	0	0	544	250	293.98
	58+50	50.00	8.99	10.59	0.00	0.00	16	21	0	0	560	274	285.77
	59+00	50.00	8.70	9.50	0.00	0.00	16	19	0	0	576	295	280.76
	59+50	50.00	8.87	6.60	0.00	0.00	16	15	0	0	592	313	279.88
	60+00	50.00	9.43	3.04	0.00	0.00	17	9	0	0	609	323	286.56
	60+50	50.00	11.59	3.74	0.00	0.00	19	6	0	0	629	330	298.81
	61+00	50.00	15.14	1.83	0.00	0.00	25	5	0	0	654	336	317.63
	61+50	50.00	16.13	1.26	0.00	0.00	29	3	0	0	683	339	343.29
	62+00	50.00	18.11	0.92	0.00	0.00	32	2	0	0	714	342	372.67
	62+50	50.00	18.96	0.91	0.00	0.00	34	2	0	0	749	344	405.04
	63+00	50.00	18.52	0.35	0.00	0.00	35	1	0	0	783	345	438.41
	63+50	50.00	39.27	0.73	0.00	0.00	54	1	0	0	837	346	490.77
	64+00.11	50.11	35.04	1.16	0.00	0.00	69	2	0	0	906	348	557.72
	64+50	49.89	40.72	6.26	0.00	0.00	70	7	0	0	976	356	619.83
	65+00	50.00	22.38	0.57	0.00	0.00	58	6	0	0	1,034	363	670.98
	65+50	50.00	10.60	7.05	0.00	0.00	31	7	0	0	1,065	371	693.39
	66+00	50.00	8.75	22.37	0.00	0.00	18	27	0	0	1,083	403	679.98
	66+50	50.00	7.35	27.90	0.00	0.00	15	47	0	0	1,098	456	641.35
	67+00	50.00	9.71	33.76	0.00	0.00	16	57	0	0	1,113	522	591.50
	67+50	50.00	11.89	28.86	0.00	0.00	20	58	0	0	1,133	588	544.82
	68+00	48.25	8.17	29.71	0.00	0.00	18	52	0	0	1,151	649	502.55
	68+50	50.00	0.00	31.03	0.00	0.00	8	56	0	0	1,159	713	445.45
	69+00	50.00	0.00	21.18	0.00	0.00	0	48	0	0	1,159	769	389.85
	69+50	50.00	0.00	14.37	0.00	0.00	0	33	0	0	1,159	807	351.99
	70+00	50.00	0.44	13.11	0.00	0.00	0	25	0	0	1,159	836	323.14
	70+50	50.00	0.00	16.03	0.00	0.00	0	27	0	0	1,160	867	292.52
	71+00	50.00	0.65	23.62	0.00	0.00	1	37	0	0	1,160	909	250.91

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut	Fill	Marsh Exc	EBS	Cut	Expanded Fill	
											1.00	1.15	
							Note 1	Note 3			Note 1		Note 8
	71+50	50.00	0.05	26.21	0.00	0.00	1	46	0	0	1,161	962	198.51
	72+00	50.00	0.06	26.12	0.00	0.00	0	48	0	0	1,161	1,018	142.89
	72+50	50.00	0.00	28.58	0.00	0.00	0	51	0	0	1,161	1,076	84.70
	73+00	50.00	1.02	20.82	0.00	0.00	1	46	0	0	1,162	1,129	33.04
	73+50	50.00	0.00	32.39	0.00	0.00	1	49	0	0	1,163	1,186	-22.67
	74+00	50.00	0.00	26.69	0.00	0.00	0	55	0	0	1,163	1,248	-85.58
	74+50	50.00	0.00	27.03	0.00	0.00	0	50	0	0	1,163	1,306	-142.79
	75+00	50.00	0.00	26.59	0.00	0.00	0	50	0	0	1,163	1,363	-199.89
	75+50	50.00	4.21	14.33	0.00	0.00	4	38	0	0	1,167	1,406	-239.57
	76+00	50.00	0.00	14.06	0.00	0.00	4	26	0	0	1,171	1,437	-265.89
	76+50	50.00	0.02	14.53	0.00	0.00	0	26	0	0	1,171	1,467	-296.32
	76+75.75	25.75	3.83	18.53	0.00	0.00	2	16	0	0	1,173	1,485	-312.61
	77+00	24.25	4.87	13.91	0.00	0.00	4	15	0	0	1,176	1,502	-325.46
	77+50	50.00	4.69	22.97	0.00	0.00	9	34	0	0	1,185	1,541	-355.88
	78+00	50.00	5.05	29.88	0.00	0.00	9	49	0	0	1,194	1,597	-403.14
	78+50	50.00	6.72	38.21	0.00	0.00	11	63	0	0	1,205	1,670	-464.75
	79+00	50.00	6.16	36.18	0.00	0.00	12	69	0	0	1,217	1,749	-532.04
	79+50	50.00	9.36	29.93	0.00	0.00	14	61	0	0	1,232	1,820	-588.07
	80+00	50.00	6.68	30.62	0.00	0.00	15	56	0	0	1,246	1,884	-637.69
	80+50	50.00	8.63	31.41	0.00	0.00	14	57	0	0	1,261	1,950	-689.57
	81+00	50.00	27.74	18.67	0.00	0.00	34	46	0	0	1,294	2,003	-709.22
	81+13	13.00	29.51	17.57	0.00	0.00	14	9	0	0	1,308	2,013	-705.47
	81+50	37.00	22.02	32.39	0.00	0.00	35	34	0	0	1,343	2,053	-709.53
	82+00	50.00	19.41	34.98	0.00	0.00	38	62	0	0	1,382	2,125	-742.90
	82+50	50.00	99.98	5.18	0.00	0.00	111	37	0	0	1,492	2,167	-675.10
	83+00	50.00	61.90	156.12	0.00	0.00	150	149	0	0	1,642	2,339	-696.98
	83+22.01	22.01	31.52	99.34	0.00	0.00	38	104	0	0	1,680	2,459	-778.65
	83+50	27.99	19.23	48.80	0.00	0.00	26	77	0	0	1,706	2,547	-840.65
	84+00	50.00	7.63	65.37	0.00	0.00	25	106	0	0	1,731	2,669	-937.35
	84+50	50.00	5.21	78.36	0.00	0.00	12	133	0	0	1,743	2,822	-1,078.51
	85+00	50.00	4.73	46.87	0.00	0.00	9	116	0	0	1,752	2,955	-1,202.64
	85+50	50.00	6.50	42.35	0.00	0.00	10	83	0	0	1,763	3,050	-1,287.24
	86+00	50.00	6.94	43.86	0.00	0.00	12	80	0	0	1,775	3,142	-1,366.61
	86+50	50.00	8.83	35.38	0.00	0.00	15	73	0	0	1,790	3,226	-1,436.39
	87+00	50.00	8.87	31.45	0.00	0.00	16	62	0	0	1,806	3,297	-1,491.16
	87+50	50.00	10.59	16.05	0.00	0.00	18	44	0	0	1,824	3,348	-1,523.71
	88+00	50.00	12.10	1.78	0.00	0.00	21	17	0	0	1,845	3,367	-1,521.69
	88+50	50.00	14.51	0.54	0.00	0.00	25	2	0	0	1,870	3,369	-1,499.52
	89+00	50.00	16.43	0.34	0.00	0.00	29	1	0	0	1,899	3,370	-1,471.82
	89+50	50.00	18.33	0.18	0.00	0.00	32	0	0	0	1,931	3,371	-1,440.20
	90+00	50.00	20.21	0.19	0.00	0.00	36	0	0	0	1,966	3,371	-1,404.91
	90+49.75	49.75	21.05	1.30	0.00	0.00	38	1	0	0	2,004	3,373	-1,368.47
	90+76.68	26.93	23.73	1.29	0.00	0.00	22	1	0	0	2,027	3,374	-1,347.63
	91+00	23.32	19.79	2.64	0.00	0.00	19	2	0	0	2,046	3,376	-1,330.78
	91+50	50.00	20.35	0.54	0.00	0.00	37	3	0	0	2,083	3,380	-1,297.00
	92+00	50.00	21.18	0.28	0.00	0.00	38	1	0	0	2,121	3,381	-1,259.42

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut	Fill	Marsh Exc	EBS	Cut	Expanded Fill	
											1.00	1.15	
							Note 1	Note 3			Note 1		Note 8
	92+50	50.00	22.34	0.24	0.00	0.00	40	0	0	0	2,161	3,381	-1,219.67
	93+00	50.00	20.05	3.78	0.00	0.00	39	4	0	0	2,201	3,385	-1,184.70
	93+15.5	15.50	20.53	16.82	0.00	0.00	12	6	0	0	2,212	3,392	-1,179.85
	93+50	34.50	21.51	2.54	0.00	0.00	27	12	0	0	2,239	3,406	-1,167.22
	94+00	50.00	32.89	0.93	0.00	0.00	50	3	0	0	2,290	3,410	-1,120.55
	94+50	50.00	27.63	0.00	0.00	0.00	56	1	0	0	2,346	3,411	-1,065.52
	95+00	50.00	26.60	0.09	0.00	0.00	50	0	0	0	2,396	3,411	-1,015.40
	95+50	50.00	25.29	0.02	0.00	0.00	48	0	0	0	2,444	3,411	-967.47
	96+00	50.00	25.47	0.00	0.00	0.00	47	0	0	0	2,491	3,411	-920.49
	96+50	50.00	26.09	0.06	0.00	0.00	48	0	0	0	2,539	3,411	-872.83
	97+00	50.00	26.10	0.01	0.00	0.00	48	0	0	0	2,587	3,412	-824.58
	97+50	50.00	25.30	0.00	0.00	0.00	48	0	0	0	2,635	3,412	-776.99
	97+93.75	43.75	20.93	14.71	0.00	0.00	37	12	0	0	2,672	3,425	-753.24
	98+00	6.25	20.60	24.04	0.00	0.00	5	4	0	0	2,677	3,430	-753.59
	98+50	50.00	22.04	0.00	0.00	0.00	39	22	0	0	2,716	3,456	-739.70
	99+00	50.00	21.78	0.00	0.00	0.00	41	0	0	0	2,757	3,456	-699.13
	99+45.75	45.75	19.30	1.31	0.00	0.00	35	1	0	0	2,792	3,457	-665.61
	100+00	54.25	15.72	0.02	0.00	0.00	35	1	0	0	2,827	3,459	-631.97
	100+28.97	28.97	19.38	1.04	0.00	0.00	19	1	0	0	2,846	3,460	-613.79
	100+50	21.03	16.47	0.66	0.00	0.00	14	1	0	0	2,860	3,460	-600.59
	101+00	50.00	17.86	0.03	0.00	0.00	32	1	0	0	2,891	3,461	-569.53
	101+50	50.00	18.09	0.03	0.00	0.00	33	0	0	0	2,925	3,461	-536.29
	101+81.03	31.03	15.02	9.56	0.00	0.00	19	6	0	0	2,944	3,467	-523.60
	102+00	18.97	14.53	5.72	0.00	0.00	10	5	0	0	2,954	3,474	-519.39
	102+50	50.00	12.21	1.04	0.00	0.00	25	6	0	0	2,979	3,481	-501.82
	103+00	50.00	10.74	1.97	0.00	0.00	21	3	0	0	3,000	3,484	-483.77
	103+50	50.00	11.03	2.31	0.00	0.00	20	4	0	0	3,020	3,489	-468.18
	104+00	50.00	11.33	4.62	0.00	0.00	21	6	0	0	3,041	3,496	-454.86
	104+50	50.00	12.29	13.29	0.00	0.00	22	17	0	0	3,063	3,515	-452.06
	104+65.02	15.02	13.63	13.40	0.00	0.00	7	7	0	0	3,070	3,524	-453.39
	105+00	34.98	12.40	1.29	0.00	0.00	17	10	0	0	3,087	3,534	-447.46
	105+50	50.00	7.91	13.93	0.00	0.00	19	14	0	0	3,106	3,551	-444.86
	105+67.89	17.89	8.01	26.62	0.00	0.00	5	13	0	0	3,111	3,566	-455.03
	106+00	32.11	7.53	15.46	0.00	0.00	9	25	0	0	3,120	3,595	-474.57
	106+50	50.00	0.93	39.99	0.00	0.00	8	51	0	0	3,128	3,654	-525.78
	107+00	50.00	0.00	42.18	0.00	0.00	1	76	0	0	3,129	3,741	-612.42
	107+28.5	28.50	1.29	35.52	0.00	0.00	1	41	0	0	3,130	3,789	-658.90
	107+50	21.50	0.00	35.17	0.00	0.00	1	28	0	0	3,130	3,821	-690.75
	108+00	50.00	0.00	40.06	0.00	0.00	0	70	0	0	3,130	3,901	-770.85
	108+50	50.00	0.00	38.57	0.00	0.00	0	73	0	0	3,130	3,985	-854.58
	109+00	50.00	7.81	25.02	0.00	0.00	7	59	0	0	3,137	4,052	-915.05
	109+50	50.00	0.01	46.45	0.00	0.00	7	66	0	0	3,145	4,129	-983.92
	110+00	50.00	0.19	38.86	0.00	0.00	0	79	0	0	3,145	4,219	-1,074.57
	110+50	50.00	0.00	34.59	0.00	0.00	0	68	0	0	3,145	4,298	-1,152.60
	111+00	50.00	0.00	31.93	0.00	0.00	0	62	0	0	3,145	4,368	-1,223.43
	111+50	50.00	0.00	32.05	0.00	0.00	0	59	0	0	3,145	4,437	-1,291.55
	112+00	50.00	0.00	33.72	0.00	0.00	0	61	0	0	3,145	4,507	-1,361.59
	112+50	50.00	0.00	32.05	0.00	0.00	0	61	0	0	3,145	4,577	-1,431.62
	113+00	50.00	0.00	33.80	0.00	0.00	0	61	0	0	3,145	4,647	-1,501.73

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut	Fill	Marsh Exc	EBS	Cut	Expanded Fill	
											1.00	1.15	
							Note 1	Note 3			Note 1		Note 8
	113+50	50.00	0.00	19.17	0.00	0.00	0	49	0	0	3,145	4,703	-1,558.14
	114+00	50.00	0.00	14.13	0.00	0.00	0	31	0	0	3,145	4,739	-1,593.60
	114+50	50.00	0.03	12.15	0.00	0.00	0	24	0	0	3,145	4,767	-1,621.56
	115+00	50.00	2.40	10.94	0.00	0.00	2	21	0	0	3,147	4,791	-1,643.90
	115+50	50.00	3.23	28.86	0.00	0.00	5	37	0	0	3,152	4,834	-1,681.06
	116+00	50.00	2.62	74.40	0.00	0.00	5	96	0	0	3,158	4,944	-1,785.59
	116+07	7.00	2.79	108.50	0.00	0.00	1	24	0	0	3,159	4,971	-1,812.15
	116+50	43.00	4.04	20.56	0.00	0.00	5	103	0	0	3,164	5,089	-1,924.90
	117+00	50.00	4.35	10.40	0.00	0.00	8	29	0	0	3,172	5,122	-1,950.09
	117+50	50.00	4.10	8.54	0.00	0.00	8	18	0	0	3,180	5,142	-1,962.42
	118+00	50.00	12.07	1.95	0.00	0.00	15	10	0	0	3,195	5,153	-1,958.62
	118+50	50.00	4.36	0.66	0.00	0.00	15	2	0	0	3,210	5,156	-1,946.18
	119+00	50.00	3.44	2.57	0.00	0.00	7	3	0	0	3,217	5,159	-1,942.39
	119+50	50.00	0.62	12.39	0.00	0.00	4	14	0	0	3,221	5,175	-1,954.57
	120+00	50.00	0.32	17.97	0.00	0.00	1	28	0	0	3,222	5,208	-1,986.04
	120+50	50.00	0.01	16.70	0.00	0.00	0	32	0	0	3,222	5,245	-2,022.65
	121+00	50.00	0.04	19.83	0.00	0.00	0	34	0	0	3,222	5,284	-2,061.49
	121+50	50.00	3.99	23.97	0.00	0.00	4	41	0	0	3,226	5,330	-2,104.40
	122+00	50.00	4.82	7.91	0.00	0.00	8	30	0	0	3,234	5,364	-2,130.19
	122+50	50.00	7.19	5.64	0.00	0.00	11	13	0	0	3,245	5,379	-2,133.51
	123+00	50.00	8.08	4.62	0.00	0.00	14	10	0	0	3,259	5,389	-2,130.30
	123+73.5	73.50	9.31	12.41	0.00	0.00	24	23	0	0	3,283	5,416	-2,133.30
	124+00	26.50	6.20	18.51	0.00	0.00	8	15	0	0	3,290	5,434	-2,143.14
	124+50	50.00	4.73	10.65	0.00	0.00	10	27	0	0	3,301	5,465	-2,164.07
	124+74.5	24.50	4.16	14.29	0.00	0.00	4	11	0	0	3,305	5,478	-2,173.05
	125+00	25.50	15.71	8.38	0.00	0.00	9	11	0	0	3,314	5,490	-2,175.99
	125+50	50.00	23.52	5.35	0.00	0.00	36	13	0	0	3,350	5,505	-2,154.29
	126+00	50.00	21.03	5.62	0.00	0.00	41	10	0	0	3,392	5,516	-2,124.73
	126+50	50.00	21.03	3.94	0.00	0.00	39	9	0	0	3,431	5,526	-2,095.97
	127+00	50.00	22.01	1.30	0.00	0.00	40	5	0	0	3,470	5,532	-2,061.69
	127+50	50.00	20.92	1.66	0.00	0.00	40	3	0	0	3,510	5,535	-2,025.09
	127+76.61	26.61	22.78	2.34	0.00	0.00	22	2	0	0	3,532	5,537	-2,005.82
	128+00	23.39	17.99	1.71	0.00	0.00	18	2	0	0	3,549	5,539	-1,990.18
	128+50	50.00	17.26	0.04	0.00	0.00	33	2	0	0	3,582	5,541	-1,959.40
	129+00	50.00	16.30	0.30	0.00	0.00	31	0	0	0	3,613	5,542	-1,928.67
	129+50	50.00	16.91	0.43	0.00	0.00	31	1	0	0	3,644	5,542	-1,898.71
	130+00	50.00	15.24	0.19	0.00	0.00	30	1	0	0	3,674	5,543	-1,869.61
	130+50	50.00	11.81	0.72	0.00	0.00	25	1	0	0	3,699	5,544	-1,845.54
	131+00	50.00	11.40	1.08	0.00	0.00	21	2	0	0	3,720	5,546	-1,825.96
	131+50	50.00	12.92	1.68	0.00	0.00	23	3	0	0	3,743	5,549	-1,806.38
	131+62.5	12.50	16.34	2.31	0.00	0.00	7	1	0	0	3,749	5,550	-1,800.67
	132+00	37.50	7.86	1.36	0.00	0.00	17	3	0	0	3,766	5,553	-1,786.80
	132+50	50.00	9.49	0.20	0.00	0.00	16	1	0	0	3,782	5,555	-1,772.40
	133+00	50.00	14.99	0.01	0.00	0.00	23	0	0	0	3,805	5,555	-1,749.97
	133+50	50.00	17.00	0.05	0.00	0.00	30	0	0	0	3,835	5,555	-1,720.42
	134+00	50.00	17.83	0.01	0.00	0.00	32	0	0	0	3,867	5,555	-1,688.23

Division 1	STATION	Distance	AREA (SF) Cut	Fill	Marsh Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Fill Note 3	Marsh Exc	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.15	Mass Ordinate Note 8
	134+50	50.00	20.04	0.00	0.00	0.00	35	0	0	0	3,902	5,555	-1,653.18
	135+00	50.00	19.22	0.21	0.00	0.00	36	0	0	0	3,938	5,555	-1,617.04
	135+50	50.00	21.55	9.76	0.00	0.00	38	9	0	0	3,976	5,566	-1,589.91
	135+79	29.00	17.58	1.56	0.00	0.00	21	6	0	0	3,997	5,573	-1,575.89
	136+00	21.00	12.04	0.49	0.00	0.00	12	1	0	0	4,008	5,574	-1,565.28
	136+50	50.00	9.72	1.47	0.00	0.00	20	2	0	0	4,029	5,576	-1,547.22
	137+00	50.00	11.00	0.87	0.00	0.00	19	2	0	0	4,048	5,578	-1,530.53
	137+50	50.00	12.30	9.30	0.00	0.00	22	9	0	0	4,069	5,589	-1,519.80
	138+00	50.00	14.22	0.40	0.00	0.00	25	9	0	0	4,094	5,600	-1,505.59
	138+50	50.00	14.89	0.24	0.00	0.00	27	1	0	0	4,121	5,600	-1,479.32
	139+00	50.00	14.08	0.74	0.00	0.00	27	1	0	0	4,148	5,601	-1,453.54
	139+50	50.00	12.69	0.82	0.00	0.00	25	1	0	0	4,172	5,603	-1,430.42
	140+00	50.00	13.88	1.14	0.00	0.00	25	2	0	0	4,197	5,605	-1,407.91
	140+50	50.00	14.08	2.03	0.00	0.00	26	3	0	0	4,223	5,608	-1,385.40
	141+00	50.00	12.45	4.57	0.00	0.00	25	6	0	0	4,248	5,615	-1,367.86
	141+50	50.00	11.48	4.73	0.00	0.00	22	9	0	0	4,270	5,625	-1,355.60
	142+00	50.00	10.99	4.39	0.00	0.00	21	8	0	0	4,291	5,635	-1,344.51
	142+50	50.00	10.41	9.11	0.00	0.00	20	13	0	0	4,310	5,649	-1,339.08
	143+00	50.00	10.42	30.48	0.00	0.00	19	37	0	0	4,330	5,692	-1,361.95
	143+50	50.00	8.48	7.65	0.00	0.00	18	35	0	0	4,347	5,732	-1,385.05
	144+00	50.00	9.21	3.85	0.00	0.00	16	11	0	0	4,363	5,744	-1,380.91
	144+50	50.00	9.96	2.00	0.00	0.00	18	5	0	0	4,381	5,751	-1,369.38
	145+00	50.00	11.07	1.30	0.00	0.00	19	3	0	0	4,401	5,754	-1,353.43
	145+50	50.00	12.06	0.97	0.00	0.00	21	2	0	0	4,422	5,757	-1,334.43
	146+00	50.00	9.62	2.75	0.00	0.00	20	3	0	0	4,442	5,760	-1,318.31
	146+50	50.00	8.57	4.42	0.00	0.00	17	7	0	0	4,459	5,768	-1,309.09
	147+00	50.00	10.25	3.33	0.00	0.00	17	7	0	0	4,476	5,776	-1,299.92
	147+50	50.00	12.80	2.06	0.00	0.00	21	5	0	0	4,498	5,782	-1,284.33
	148+00	50.00	12.82	3.17	0.00	0.00	24	5	0	0	4,522	5,788	-1,266.18
	148+14	14.00	14.00	6.41	0.00	0.00	7	2	0	0	4,528	5,791	-1,262.09
	148+50	36.00	14.54	1.01	0.00	0.00	19	5	0	0	4,548	5,796	-1,248.75
	149+00	50.00	16.18	1.68	0.00	0.00	28	2	0	0	4,576	5,799	-1,223.17
	149+50	50.00	20.27	1.49	0.00	0.00	34	3	0	0	4,610	5,802	-1,192.79
	150+00	50.00	19.07	30.74	0.00	0.00	36	30	0	0	4,646	5,837	-1,190.69
	150+50	50.00	16.59	1.72	0.00	0.00	33	30	0	0	4,679	5,871	-1,192.24
	151+00	50.00	14.91	1.64	0.00	0.00	29	3	0	0	4,708	5,875	-1,166.65
	151+50	50.00	15.11	2.91	0.00	0.00	28	4	0	0	4,736	5,880	-1,143.70
	152+00	50.00	13.53	4.45	0.00	0.00	27	7	0	0	4,763	5,888	-1,125.03
	152+50	50.00	14.65	3.89	0.00	0.00	26	8	0	0	4,789	5,897	-1,107.83
	153+00	50.00	15.57	3.31	0.00	0.00	28	7	0	0	4,817	5,904	-1,087.52
	153+50	50.00	16.27	4.31	0.00	0.00	29	7	0	0	4,846	5,912	-1,066.15
	154+00	50.00	14.82	2.13	0.00	0.00	29	6	0	0	4,875	5,919	-1,044.21
	154+50	50.00	13.53	2.26	0.00	0.00	26	4	0	0	4,901	5,924	-1,022.63
	155+00	50.00	10.29	3.24	0.00	0.00	22	5	0	0	4,923	5,930	-1,006.43

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut	Fill	Marsh Exc	EBS	Cut	Expanded Fill	
											1.00	1.15	
							Note 1	Note 3			Note 1		Note 8
	155+17.14	17.14	10.54	18.98	0.00	0.00	7	7	0	0	4,930	5,938	-1,007.93
	155+50	32.86	10.73	2.94	0.00	0.00	13	13	0	0	4,943	5,953	-1,010.33
	156+00	50.00	12.85	3.83	0.00	0.00	22	6	0	0	4,965	5,960	-995.71
	156+50	50.00	14.84	1.82	0.00	0.00	26	5	0	0	4,990	5,966	-976.09
	157+00	50.00	16.11	1.52	0.00	0.00	29	3	0	0	5,019	5,970	-950.99
	157+50	50.00	16.45	1.36	0.00	0.00	30	3	0	0	5,049	5,973	-923.91
	158+00	50.00	16.02	1.24	0.00	0.00	30	2	0	0	5,079	5,976	-896.61
	158+50	50.00	16.30	0.87	0.00	0.00	30	2	0	0	5,109	5,978	-868.93
	159+00	50.00	15.32	8.66	0.00	0.00	29	9	0	0	5,138	5,988	-849.81
	159+13.92	13.92	17.97	14.22	0.00	0.00	9	6	0	0	5,147	5,995	-848.01
	159+50	36.08	14.99	8.02	0.00	0.00	22	15	0	0	5,169	6,012	-843.07
	160+00	50.00	9.78	12.62	0.00	0.00	23	19	0	0	5,192	6,034	-842.11
	160+50	50.00	9.06	32.20	0.00	0.00	17	41	0	0	5,209	6,082	-872.39
	161+00	50.00	11.86	39.73	0.00	0.00	19	67	0	0	5,229	6,158	-929.62
	161+50	50.00	14.66	12.95	0.00	0.00	25	49	0	0	5,253	6,214	-961.17
	162+00	50.00	14.97	12.34	0.00	0.00	27	23	0	0	5,281	6,241	-960.67
	162+50	50.00	14.74	23.23	0.00	0.00	28	33	0	0	5,308	6,279	-971.03
	163+00	50.00	8.50	20.54	0.00	0.00	22	41	0	0	5,330	6,326	-996.13
	163+50	50.00	1.12	34.24	0.00	0.00	9	51	0	0	5,339	6,384	-1,045.57
	164+00	50.00	0.90	32.84	0.00	0.00	2	62	0	0	5,340	6,456	-1,115.13
	164+50	50.00	1.23	34.55	0.00	0.00	2	62	0	0	5,342	6,527	-1,184.93
	164+92.5	42.50	0.61	32.32	0.00	0.00	1	53	0	0	5,344	6,588	-1,244.00
	165+00	7.50	0.00	30.13	0.00	0.00	0	9	0	0	5,344	6,598	-1,253.89
	165+50	50.00	0.00	58.52	0.00	0.00	0	82	0	0	5,344	6,692	-1,348.28
	166+00	50.00	0.00	57.84	0.00	0.00	0	108	0	0	5,344	6,816	-1,472.18
	166+50	50.00	0.00	31.21	0.00	0.00	0	82	0	0	5,344	6,911	-1,566.99
	166+70	20.00	5.11	33.21	0.00	0.00	2	24	0	0	5,346	6,938	-1,592.53
	167+00	30.00	0.03	49.43	0.00	0.00	3	46	0	0	5,349	6,991	-1,642.47
	167+50	50.00	0.16	47.71	0.00	0.00	0	90	0	0	5,349	7,095	-1,745.72
	168+00	50.00	0.35	45.01	0.00	0.00	0	86	0	0	5,349	7,193	-1,843.97
	168+50	50.00	1.40	36.25	0.00	0.00	2	75	0	0	5,351	7,280	-1,928.87
	169+00	50.00	2.34	31.48	0.00	0.00	3	63	0	0	5,354	7,352	-1,997.52
	169+50	50.00	0.09	19.37	0.00	0.00	2	47	0	0	5,357	7,406	-2,049.42
	170+00	50.00	0.40	17.52	0.00	0.00	0	34	0	0	5,357	7,445	-2,088.24
	170+50	50.00	0.47	14.83	0.00	0.00	1	30	0	0	5,358	7,480	-2,121.87
	170+78.75	28.75	5.55	13.14	0.00	0.00	3	15	0	0	5,361	7,497	-2,135.79
	171+00	21.25	0.60	12.72	0.00	0.00	2	10	0	0	5,364	7,509	-2,145.08
	171+50	50.00	0.17	14.32	0.00	0.00	1	25	0	0	5,364	7,537	-2,173.17
	172+00	50.00	0.08	13.36	0.00	0.00	0	26	0	0	5,365	7,567	-2,202.41
	172+50	50.00	0.01	11.67	0.00	0.00	0	23	0	0	5,365	7,594	-2,228.99

Division 1	STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Marsh Exc	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) Marsh Exc	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Mass Ordinate Note 8
	173+00	50.00	0.00	13.99	0.00	0.00	0	24	0	0	5,365	7,621	-2,256.31
	173+50	50.00	0.00	14.92	0.00	0.00	0	27	0	0	5,365	7,652	-2,287.09
	174+00	50.00	0.00	13.92	0.00	0.00	0	27	0	0	5,365	7,682	-2,317.80
	174+50	50.00	0.00	9.64	0.00	0.00	0	22	0	0	5,365	7,708	-2,342.88
	175+00	50.00	4.45	1.76	0.00	0.00	4	11	0	0	5,369	7,720	-2,350.90
	175+06	6.00	4.50	1.94	0.00	0.00	1	0	0	0	5,370	7,720	-2,350.37
	175+50	44.00	1.55	6.03	0.00	0.00	5	6	0	0	5,375	7,728	-2,352.92
	176+00	50.00	1.19	6.96	0.00	0.00	3	12	0	0	5,377	7,741	-2,364.21
	176+50	50.00	4.60	6.86	0.00	0.00	5	13	0	0	5,383	7,756	-2,373.56
	177+00	50.00	3.90	18.09	0.00	0.00	8	23	0	0	5,390	7,783	-2,392.26
	177+50	50.00	3.72	33.63	0.00	0.00	7	48	0	0	5,398	7,838	-2,440.28
	178+00	50.00	3.13	39.32	0.00	0.00	6	68	0	0	5,404	7,915	-2,511.62
	178+50	50.00	2.73	42.16	0.00	0.00	5	75	0	0	5,409	8,002	-2,592.96
	179+00	50.00	2.63	41.89	0.00	0.00	5	78	0	0	5,414	8,092	-2,677.50
	179+50	50.00	2.84	39.06	0.00	0.00	5	75	0	0	5,419	8,178	-2,758.62
	180+00	50.00	28.59	46.12	0.00	0.00	29	79	0	0	5,448	8,269	-2,820.22
	180+50	50.00	79.78	0.53	0.00	0.00	100	43	0	0	5,549	8,318	-2,769.55
							5,548.76	7,233.32	0	0			

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PROJECT NO:	HWY:	COUNTY:	EARTHWORK	SHEET: 198	E

FILE NAME : Q\Misc Quantities\\earthwork_border.ppt PLOT DATE : _____ PLOT BY : PLOT NAME : _____ PLOT SCALE : 1:1

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut Note 1	Fill Note 3	Marsh Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.25	Note 8
	181+50	0.00	21.85	13.71	0.00	0.00	0	0	0	0	0	0	0.00
	182+00	50.00	20.84	3.03	0.00	0.00	40	15	0	0	40	19	20.15
	182+50	50.00	19.10	2.47	0.00	0.00	37	5	0	0	77	26	50.77
	183+00	50.00	16.57	3.07	0.00	0.00	33	5	0	0	110	32	77.40
	183+50	50.00	14.76	3.29	0.00	0.00	29	6	0	0	139	39	99.05
	184+00	50.00	12.89	3.58	0.00	0.00	26	6	0	0	164	47	116.70
	184+50	50.00	12.20	3.67	0.00	0.00	23	7	0	0	187	56	131.53
	185+00	50.00	11.42	3.73	0.00	0.00	22	7	0	0	209	64	144.84
	185+50	50.00	10.74	2.21	0.00	0.00	21	6	0	0	230	71	158.48
	186+00	50.00	10.36	1.23	0.00	0.00	20	3	0	0	249	75	174.04
	186+50	50.00	10.15	0.93	0.00	0.00	19	2	0	0	268	78	190.53
	187+00	50.00	9.66	0.82	0.00	0.00	18	2	0	0	287	80	206.85
	187+50	50.00	13.07	12.50	0.00	0.00	21	12	0	0	308	95	212.48
	187+58.99	8.99	12.59	12.44	0.00	0.00	4	4	0	0	312	100	211.57
	188+00	41.01	11.09	0.12	0.00	0.00	18	10	0	0	330	112	217.63
	188+50	50.00	11.77	0.97	0.00	0.00	21	1	0	0	351	114	237.53
	188+72.89	22.89	13.31	4.02	0.00	0.00	11	2	0	0	362	116	245.51
	189+00	27.11	12.35	2.44	0.00	0.00	13	3	0	0	375	120	254.33
	189+50	50.00	12.82	0.00	0.00	0.00	23	2	0	0	398	123	274.82
	190+00	50.00	12.74	0.14	0.00	0.00	24	0	0	0	422	123	298.33
	190+50	50.00	13.37	0.45	0.00	0.00	24	1	0	0	446	124	321.82
	191+00	50.00	12.49	1.32	0.00	0.00	24	2	0	0	470	126	343.72
	191+50	50.00	11.35	2.42	0.00	0.00	22	3	0	0	492	130	361.48
	192+00	50.00	10.11	2.58	0.00	0.00	20	5	0	0	512	136	375.57
	192+50	50.00	6.62	3.02	0.00	0.00	15	5	0	0	527	143	384.59
	192+81.21	31.21	7.17	5.40	0.00	0.00	8	5	0	0	535	149	386.48
	193+00	18.79	5.79	4.27	0.00	0.00	5	3	0	0	540	153	386.78
	193+50	50.00	8.22	0.71	0.00	0.00	13	5	0	0	553	159	393.99
	193+70.19	20.19	12.09	5.08	0.00	0.00	8	2	0	0	560	161	398.87
	194+00	29.81	8.70	0.99	0.00	0.00	11	3	0	0	572	166	406.16
	194+50	50.00	9.45	1.37	0.00	0.00	17	2	0	0	588	168	420.23
	195+00	50.00	11.32	1.07	0.00	0.00	19	2	0	0	608	171	436.64
	195+50	50.00	13.80	0.99	0.00	0.00	23	2	0	0	631	173	457.52
	196+00	50.00	14.89	0.48	0.00	0.00	27	1	0	0	658	175	482.38
	196+50	50.00	17.85	0.56	0.00	0.00	30	1	0	0	688	176	511.49
	196+58	8.00	17.94	0.64	0.00	0.00	5	0	0	0	693	177	516.57
	197+00	42.00	17.53	0.74	0.00	0.00	28	1	0	0	721	178	542.82
	197+50	50.00	11.96	2.43	0.00	0.00	27	3	0	0	748	182	566.46
	198+00	50.00	11.69	2.20	0.00	0.00	22	4	0	0	770	187	583.00
	198+32.65	32.65	12.05	7.41	0.00	0.00	14	6	0	0	784	194	590.09
	198+50	17.35	11.92	4.68	0.00	0.00	8	4	0	0	792	199	592.94
	199+00	50.00	12.60	2.31	0.00	0.00	23	6	0	0	815	207	607.55
	199+50	50.00	13.24	1.99	0.00	0.00	24	4	0	0	839	212	626.50
	200+00	50.00	15.52	1.73	0.00	0.00	27	3	0	0	865	216	648.83
	200+50	50.00	15.48	2.41	0.00	0.00	29	4	0	0	894	221	672.75

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	
							Note 1	Note 3			Note 1		Note 8
	201+00	50.00	15.56	1.48	0.00	0.00	29	4	0	0	923	226	696.99
	201+50	50.00	15.73	1.55	0.00	0.00	29	3	0	0	952	229	722.45
	202+00	50.00	16.77	1.09	0.00	0.00	30	2	0	0	982	232	749.49
	202+50	50.00	16.71	0.73	0.00	0.00	31	2	0	0	1,013	234	778.37
	203+00	50.00	16.03	5.79	0.00	0.00	30	6	0	0	1,043	242	801.15
	203+07.39	7.39	16.24	7.05	0.00	0.00	4	2	0	0	1,048	244	803.37
	203+25	17.61	16.57	3.97	0.00	0.00	11	4	0	0	1,058	249	809.57
	204+00	75.00	20.77	4.43	0.00	0.00	52	12	0	0	1,110	263	846.85
	204+50	50.00	25.10	4.04	0.00	0.00	42	8	0	0	1,153	273	879.53
	205+00	50.00	25.14	1.73	0.00	0.00	47	5	0	0	1,199	280	919.37
	205+50	50.00	22.69	2.36	0.00	0.00	44	4	0	0	1,243	284	958.93
	206+00	50.00	16.63	4.96	0.00	0.00	36	7	0	0	1,280	293	986.87
	206+50	50.00	12.05	8.05	0.00	0.00	27	12	0	0	1,306	308	998.36
	207+00	50.00	8.03	9.21	0.00	0.00	19	16	0	0	1,325	328	996.99
	207+50	50.00	5.91	7.55	0.00	0.00	13	16	0	0	1,338	347	990.50
	208+00	50.00	0.17	7.33	0.00	0.00	6	14	0	0	1,343	365	978.91
	208+38.34	38.34	0.02	14.72	0.00	0.00	0	16	0	0	1,344	384	959.48
	208+50	11.66	0.00	15.40	0.00	0.00	0	7	0	0	1,344	392	951.35
	209+00	50.00	0.00	24.34	0.00	0.00	0	37	0	0	1,344	438	905.36
	209+50	50.00	0.00	21.94	0.00	0.00	0	43	0	0	1,344	492	851.79
	210+00	50.00	0.12	21.30	0.00	0.00	0	40	0	0	1,344	542	801.87
	210+50	50.00	0.91	20.56	0.00	0.00	1	39	0	0	1,345	590	754.37
	211+00	50.00	4.05	20.10	0.00	0.00	5	38	0	0	1,349	637	711.91
	211+50	50.00	7.88	24.42	0.00	0.00	11	41	0	0	1,360	689	671.42
	212+00	50.00	8.37	21.25	0.00	0.00	15	42	0	0	1,375	742	633.60
	212+50	50.00	8.71	21.46	0.00	0.00	16	40	0	0	1,391	791	599.98
	213+00	50.00	6.80	17.33	0.00	0.00	14	36	0	0	1,406	836	569.45
	213+50	50.00	10.06	10.14	0.00	0.00	16	25	0	0	1,421	868	553.28
	214+00	50.00	13.04	12.21	0.00	0.00	21	21	0	0	1,443	894	548.81
	214+50	50.00	15.55	10.14	0.00	0.00	26	21	0	0	1,469	920	549.41
	215+00	50.00	14.69	9.28	0.00	0.00	28	18	0	0	1,497	942	554.93
	215+50	50.00	15.39	4.86	0.00	0.00	28	13	0	0	1,525	958	566.41
	216+00	50.00	17.27	7.44	0.00	0.00	30	11	0	0	1,555	973	582.41
	216+50	50.00	0.42	16.39	0.00	0.00	16	22	0	0	1,571	1,000	571.22
	217+00	50.00	2.29	9.26	0.00	0.00	3	24	0	0	1,574	1,030	544.05
	217+50	50.00	0.24	13.22	0.00	0.00	2	21	0	0	1,576	1,056	520.38
	218+00	50.00	0.11	20.43	0.00	0.00	0	31	0	0	1,577	1,095	481.75
	218+50	50.00	1.77	26.47	0.00	0.00	2	43	0	0	1,578	1,149	429.20
	219+00	50.00	0.00	24.55	0.00	0.00	2	47	0	0	1,580	1,208	371.79
	219+50	50.00	0.00	20.38	0.00	0.00	0	42	0	0	1,580	1,260	319.79
	220+00	50.00	2.85	11.30	0.00	0.00	3	29	0	0	1,583	1,297	285.76
	220+50	50.00	0.00	10.31	0.00	0.00	3	20	0	0	1,585	1,322	263.40
	221+00	50.00	1.39	25.25	0.00	0.00	1	33	0	0	1,587	1,363	223.53
	221+50	50.00	1.63	20.17	0.00	0.00	3	42	0	0	1,589	1,416	173.77
	222+00	50.00	1.99	16.42	0.00	0.00	3	34	0	0	1,593	1,458	134.77
	222+50	50.00	2.27	12.87	0.00	0.00	4	27	0	0	1,597	1,492	104.81

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		
			Cut	Fill	Marsh Exc	EBS	Cut Note 1	Fill Note 3	Marsh Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
	223+00	50.00	3.19	7.91	0.00	0.00	5	19	0	0	1,602	1,516	85.81
	223+17.15	17.15	0.23	8.03	0.00	0.00	1	5	0	0	1,603	1,522	80.57
	223+26.25	9.10	8.93	1.03	0.00	0.00	2	2	0	0	1,604	1,524	80.20
	223+50	23.75	7.20	0.78	0.00	0.00	7	1	0	0	1,611	1,525	86.29
	224+00	50.00	4.13	9.71	0.00	0.00	10	10	0	0	1,622	1,537	84.63
	224+50	50.00	3.16	12.00	0.00	0.00	7	20	0	0	1,629	1,562	66.24
	225+00	50.00	1.74	2.77	0.00	0.00	5	14	0	0	1,633	1,580	53.68
	225+50	50.00	1.17	3.83	0.00	0.00	3	6	0	0	1,636	1,587	48.74
	226+00	50.00	0.12	5.79	0.00	0.00	1	9	0	0	1,637	1,598	38.79
	226+50	50.00	0.70	5.55	0.00	0.00	1	10	0	0	1,638	1,611	26.43
	226+83.07	33.07	2.85	9.66	0.00	0.00	2	9	0	0	1,640	1,623	16.96
	227+00	16.93	0.06	9.96	0.00	0.00	1	6	0	0	1,641	1,631	10.18
	227+50	50.00	0.00	13.93	0.00	0.00	0	22	0	0	1,641	1,658	-17.42
	227+88.93	38.93	3.03	12.20	0.00	0.00	2	19	0	0	1,643	1,682	-38.78
	228+00	11.07	2.98	12.81	0.00	0.00	1	5	0	0	1,644	1,688	-43.96
	228+50	50.00	0.00	16.19	0.00	0.00	3	27	0	0	1,647	1,722	-74.76
	229+00	50.00	0.00	25.01	0.00	0.00	0	38	0	0	1,647	1,770	-122.45
	229+50	50.00	2.16	21.01	0.00	0.00	2	43	0	0	1,649	1,823	-173.72
	230+00	50.00	2.86	20.94	0.00	0.00	5	39	0	0	1,654	1,872	-217.63
	230+50	50.00	3.34	19.14	0.00	0.00	6	37	0	0	1,660	1,918	-258.27
	231+00	50.00	2.22	17.90	0.00	0.00	5	34	0	0	1,665	1,961	-296.01
	231+50	50.00	1.89	39.74	0.00	0.00	4	53	0	0	1,669	2,027	-358.92
	232+00	50.00	1.82	53.60	0.00	0.00	3	86	0	0	1,672	2,136	-463.51
	232+50	50.00	1.90	63.90	0.00	0.00	3	109	0	0	1,675	2,272	-596.06
	233+00	50.00	1.97	61.81	0.00	0.00	4	116	0	0	1,679	2,417	-737.96
	233+50	50.00	4.87	63.58	0.00	0.00	6	116	0	0	1,685	2,562	-876.75
	234+00	50.00	9.88	73.05	0.00	0.00	14	127	0	0	1,699	2,720	-1,021.22
	234+50	50.00	53.84	112.35	0.00	0.00	59	172	0	0	1,758	2,935	-1,176.81
	235+00	50.00	88.61	111.56	0.00	0.00	132	207	0	0	1,890	3,194	-1,304.08
	235+50	50.00	34.67	68.71	0.00	0.00	114	167	0	0	2,004	3,403	-1,398.59
	236+00	50.00	6.70	73.33	0.00	0.00	38	132	0	0	2,042	3,567	-1,524.68
	236+50	50.00	6.96	56.17	0.00	0.00	13	120	0	0	2,055	3,717	-1,661.91
	237+00	50.00	8.53	53.74	0.00	0.00	14	102	0	0	2,069	3,844	-1,774.78
	237+50	50.00	9.00	52.75	0.00	0.00	16	99	0	0	2,086	3,967	-1,881.81
	238+00	50.00	6.39	39.48	0.00	0.00	14	85	0	0	2,100	4,074	-1,974.31
	238+50	50.00	5.77	25.31	0.00	0.00	11	60	0	0	2,111	4,149	-2,038.04
	239+00	50.00	5.01	24.97	0.00	0.00	10	47	0	0	2,121	4,207	-2,086.26
	239+50	50.00	19.00	2.05	0.00	0.00	22	25	0	0	2,143	4,239	-2,095.30
	240+00	50.00	21.65	0.12	0.00	0.00	38	2	0	0	2,181	4,241	-2,060.17
	240+50	50.00	2.44	15.06	0.00	0.00	22	14	0	0	2,203	4,259	-2,055.43
	241+00	50.00	0.00	29.14	0.00	0.00	2	41	0	0	2,206	4,310	-2,104.33
	241+38.96	38.96	10.18	19.03	0.00	0.00	7	35	0	0	2,213	4,353	-2,140.43
	241+50	11.04	0.14	18.11	0.00	0.00	2	8	0	0	2,215	4,363	-2,147.82
	242+00	50.00	0.00	18.37	0.00	0.00	0	34	0	0	2,215	4,405	-2,189.92
	242+50	50.00	0.03	15.91	0.00	0.00	0	32	0	0	2,215	4,445	-2,229.57
	243+00	50.00	0.62	15.57	0.00	0.00	1	29	0	0	2,216	4,481	-2,265.40

Division 1	STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Marsh Exc	EBS	Cut	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	
							Note 1	Note 3			Note 1		Note 8
	243+50	50.00	3.45	17.20	0.00	0.00	4	30	0	0	2,219	4,519	-2,299.55
	244+00	50.00	2.89	20.97	0.00	0.00	6	35	0	0	2,225	4,563	-2,337.85
	244+50	50.00	1.32	25.78	0.00	0.00	4	43	0	0	2,229	4,617	-2,388.06
	245+00	50.00	0.41	30.76	0.00	0.00	2	52	0	0	2,231	4,683	-2,451.91
	245+50	50.00	0.36	32.36	0.00	0.00	1	58	0	0	2,232	4,756	-2,524.26
	245+87.59	37.59	6.33	16.16	0.00	0.00	5	34	0	0	2,236	4,798	-2,561.82
	246+00	12.41	1.67	16.28	0.00	0.00	2	7	0	0	2,238	4,807	-2,569.30
	246+50	50.00	0.00	31.42	0.00	0.00	2	44	0	0	2,240	4,863	-2,622.96
	247+00	50.00	5.70	33.98	0.00	0.00	5	61	0	0	2,245	4,938	-2,693.37
	247+50	50.00	19.82	65.29	0.00	0.00	24	92	0	0	2,269	5,053	-2,784.63
	248+00	50.00	0.00	204.21	0.00	0.00	18	250	0	0	2,287	5,365	-3,078.19
	248+34	34.00	4.55	501.63	0.00	0.00	3	444	0	0	2,290	5,921	-3,630.85
	248+50	16.00	4.75	469.25	0.00	0.00	3	288	0	0	2,293	6,280	-3,987.68
	249+00	50.00	0.00	193.92	0.00	0.00	4	614	0	0	2,297	7,048	-4,750.83
	249+50	50.00	0.00	131.14	0.00	0.00	0	301	0	0	2,297	7,424	-5,127.06
	250+00	50.00	0.00	75.13	0.00	0.00	0	191	0	0	2,297	7,663	-5,365.80
	250+21.29	21.29	37.89	24.05	0.00	0.00	15	39	0	0	2,312	7,712	-5,399.74
	250+50	28.71	19.62	14.86	0.00	0.00	31	21	0	0	2,342	7,737	-5,395.03
	251+00	50.00	18.04	0.93	0.00	0.00	35	15	0	0	2,377	7,756	-5,378.43
	251+50	50.00	6.07	7.52	0.00	0.00	22	8	0	0	2,400	7,765	-5,365.88
	252+00	50.00	7.85	5.33	0.00	0.00	13	12	0	0	2,412	7,780	-5,367.86
	252+50	50.00	6.72	7.17	0.00	0.00	13	12	0	0	2,426	7,795	-5,368.85
	253+00	50.00	2.62	10.59	0.00	0.00	9	16	0	0	2,435	7,815	-5,380.75
	253+50	50.00	3.44	9.63	0.00	0.00	6	19	0	0	2,440	7,839	-5,398.53
	254+00	50.00	1.16	11.96	0.00	0.00	4	20	0	0	2,445	7,864	-5,419.26
	254+50	50.00	0.00	10.82	0.00	0.00	1	21	0	0	2,446	7,890	-5,444.56
	255+00	50.00	2.24	7.96	0.00	0.00	2	17	0	0	2,448	7,912	-5,464.22
	255+40.31	40.31	5.43	8.13	0.00	0.00	6	12	0	0	2,453	7,927	-5,473.51
	255+50	9.69	6.87	11.04	0.00	0.00	2	3	0	0	2,456	7,931	-5,475.60
	256+00	50.00	6.78	7.68	0.00	0.00	13	17	0	0	2,468	7,953	-5,484.62
	256+39.68	39.68	6.90	17.70	0.00	0.00	10	19	0	0	2,478	7,976	-5,497.88
	256+50	10.32	7.44	12.37	0.00	0.00	3	6	0	0	2,481	7,983	-5,502.33
	257+00	50.00	11.71	3.55	0.00	0.00	18	15	0	0	2,499	8,002	-5,503.02
	257+50	50.00	12.63	3.27	0.00	0.00	23	6	0	0	2,521	8,010	-5,488.37
	258+00	50.00	12.94	2.81	0.00	0.00	24	6	0	0	2,545	8,017	-5,471.73
	258+50	50.00	15.29	2.44	0.00	0.00	26	5	0	0	2,571	8,023	-5,451.65
	259+00	50.00	13.93	1.29	0.00	0.00	27	3	0	0	2,598	8,027	-5,428.92
	259+50	50.00	15.40	0.39	0.00	0.00	27	2	0	0	2,625	8,029	-5,403.70
	260+00	50.00	12.30	0.41	0.00	0.00	26	1	0	0	2,651	8,030	-5,378.98
	260+26.75	26.75	10.75	0.36	0.00	0.00	11	0	0	0	2,662	8,030	-5,368.04
	260+80.7	53.94	14.08	3.50	0.00	0.00	25	4	0	0	2,687	8,035	-5,348.07
	261+00	19.30	17.03	5.30	0.00	0.00	11	3	0	0	2,698	8,039	-5,340.89
	261+50	50.00	17.53	8.25	0.00	0.00	32	13	0	0	2,730	8,055	-5,324.58
	262+00	50.00	14.41	9.46	0.00	0.00	30	16	0	0	2,760	8,075	-5,315.50
	262+50	50.00	14.75	8.50	0.00	0.00	27	17	0	0	2,787	8,096	-5,309.28
	262+86.55	36.55	13.41	17.18	0.00	0.00	19	17	0	0	2,806	8,118	-5,311.94

Division 1	STATION	Distance	AREA (SF) Cut	Fill	Marsh Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Fill Note 3	Marsh Exc	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
	263+00	13.45	12.61	12.72	0.00	0.00	6	7	0	0	2,812	8,127	-5,314.77
	263+50	50.00	6.55	23.99	0.00	0.00	18	34	0	0	2,830	8,170	-5,339.50
	263+73	23.00	4.02	32.15	0.00	0.00	5	24	0	0	2,835	8,200	-5,364.88
	264+00	27.00	3.95	38.80	0.00	0.00	4	35	0	0	2,839	8,244	-5,405.24
	264+21.28	21.28	4.38	24.61	0.00	0.00	3	25	0	0	2,842	8,275	-5,433.19
	264+50	28.72	3.00	34.66	0.00	0.00	4	32	0	0	2,846	8,315	-5,468.67
	265+00	50.00	7.36	29.22	0.00	0.00	10	59	0	0	2,855	8,388	-5,533.01
	265+50	50.00	9.21	31.21	0.00	0.00	15	56	0	0	2,871	8,458	-5,587.62
	266+00	50.00	7.78	31.60	0.00	0.00	16	58	0	0	2,887	8,531	-5,644.59
	266+50	50.00	6.60	29.84	0.00	0.00	13	57	0	0	2,900	8,602	-5,702.39
	267+00	50.00	10.76	33.17	0.00	0.00	16	58	0	0	2,916	8,675	-5,759.24
	267+50	50.00	12.27	13.34	0.00	0.00	21	43	0	0	2,937	8,729	-5,791.77
	267+85.35	35.35	16.31	12.98	0.00	0.00	19	17	0	0	2,956	8,751	-5,794.60
	268+25	39.65	16.84	54.73	0.00	0.00	24	50	0	0	2,980	8,813	-5,832.41
	268+25	0.00	16.84	54.73	0.00	0.00	0	0	0	0	2,980	8,813	-5,832.41
	268+50	25.00	18.65	8.59	0.00	0.00	16	29	0	0	2,997	8,849	-5,852.62
	269+00	50.00	15.91	3.59	0.00	0.00	32	11	0	0	3,029	8,863	-5,834.73
	269+50	50.00	18.47	2.42	0.00	0.00	32	6	0	0	3,061	8,870	-5,809.85
	270+00	50.00	27.58	0.00	0.00	0.00	43	2	0	0	3,103	8,873	-5,770.01
	270+08.31	8.31	27.54	1.35	0.00	0.00	8	0	0	0	3,112	8,873	-5,761.78
	270+50	41.69	31.01	1.28	0.00	0.00	45	2	0	0	3,157	8,876	-5,719.13
	271+00	50.00	30.43	0.39	0.00	0.00	57	2	0	0	3,214	8,878	-5,664.18
	271+50	50.00	31.05	0.39	0.00	0.00	57	1	0	0	3,271	8,879	-5,608.16
	272+00	50.00	31.50	14.26	0.00	0.00	58	14	0	0	3,329	8,896	-5,567.21
	272+50	50.00	37.13	0.00	0.00	0.00	64	13	0	0	3,392	8,912	-5,520.16
	272+80	30.00	37.78	0.00	0.00	0.00	42	0	0	0	3,434	8,912	-5,478.54
							3,434	7,130	0	0			

Chestnut Road	STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Mass Ordinate Note 8
	61+19	0.00	7.91	5.75	0	0	0	0	0.00
	61+50	31.00	11.12	7.84	11	8	11	9	1.96
	62+00	50.00	22.08	3.93	31	11	42	21	20.16
	62+50	50.00	36.02	7.66	54	11	95	34	61.62
	63+06.43	56.43	46.40	1.23	86	9	182	45	137.06
	63+50	43.57	50.10	9.78	78	9	259	55	204.71
	63+98.97	48.97	56.98	7.92	97	16	357	73	283.35
					357	64			

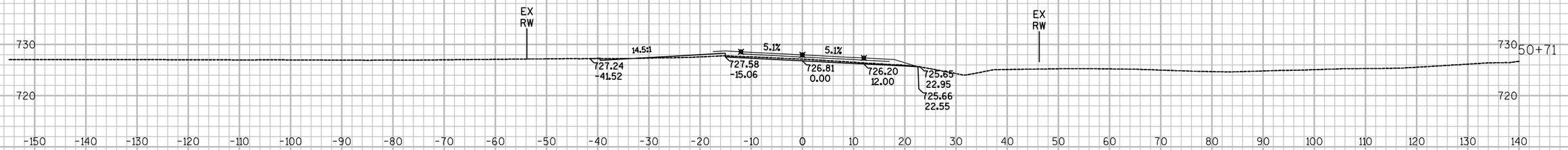
REA Road	STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Mass Ordinate Note 8
	65+53.31	0.00	45.26	1.00	0	0	0	0	0.00
	66+00	46.69	38.85	1.47	73	2	73	2	70.27
	66+50	50.00	46.14	4.19	79	5	151	8	142.94
	67+00	50.00	33.25	6.93	74	10	225	20	204.60
	67+50	50.00	15.64	0.91	45	7	270	29	241.52
	68+00	50.00	10.43	11.15	24	11	294	41	252.84
	68+01.16	1.16	8.75	15.31	0	1	295	42	252.60
					295	37			

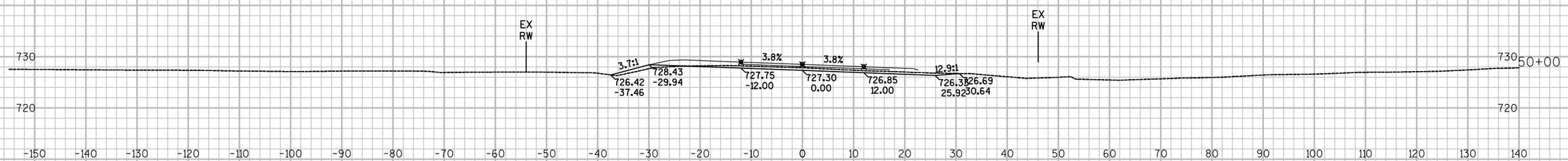
CTH I	STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Mass Ordinate Note 8
	18+00	0.00	52.11	0.00	0	0	0	0	0.00
	18+50	50.00	50.15	0.01	95	0	95	0	94.68
	19+00	50.00	36.64	3.13	80	3	175	3	171.71
	19+50	50.00	31.40	60.21	63	59	238	71	167.27
	19+75.31	25.31	121.59	46.36	72	50	310	128	181.53
	20+24.68	49.37	51.83	85.34	159	120	468	267	201.61
	20+50	25.32	38.73	65.00	42	71	511	348	163.00
	21+00	50.00	6.68	27.96	42	86	553	447	106.05
	21+50	50.00	21.74	8.09	26	33	579	485	93.97
	22+00	50.00	28.97	2.40	47	10	626	496	129.74
	22+50	50.00	0.00	0.00	27	2	653	499	154.01
					653	434			

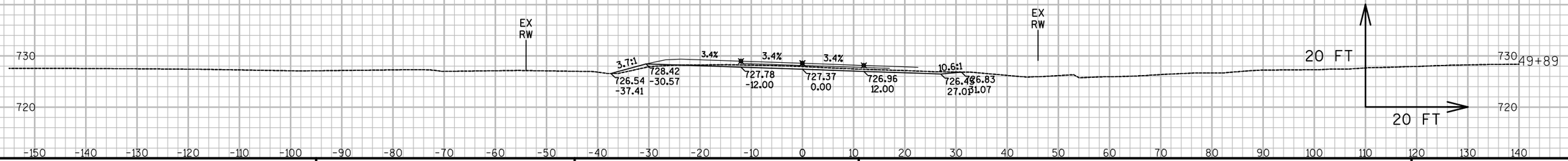
Larson Lane	STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Mass Ordinate Note 8
	28+14.12	0.00	28.45	0.04	0	0	0	0	0.00
	28+50	35.88	20.19	3.69	32	2	32	3	29.47
	29+00	50.00	6.37	29.03	25	30	57	38	19.22
	29+49.99	49.99	14.57	64.54	19	87	76	137	-61.01
					76	119			

Younger Road "South"	STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Mass Ordinate Note 8
	37+65.13	0.00	0.00	0.00	0	0	0	0	0.00
	38+00	34.87	41.00	0.08	26	0	26	0	26.41
	38+50	50.00	33.65	2.99	69	3	96	3	92.25
	39+00	50.00	17.72	16.24	48	18	143	24	119.33
	39+50	50.00	35.29	109.72	49	117	192	158	34.29
					192	137			

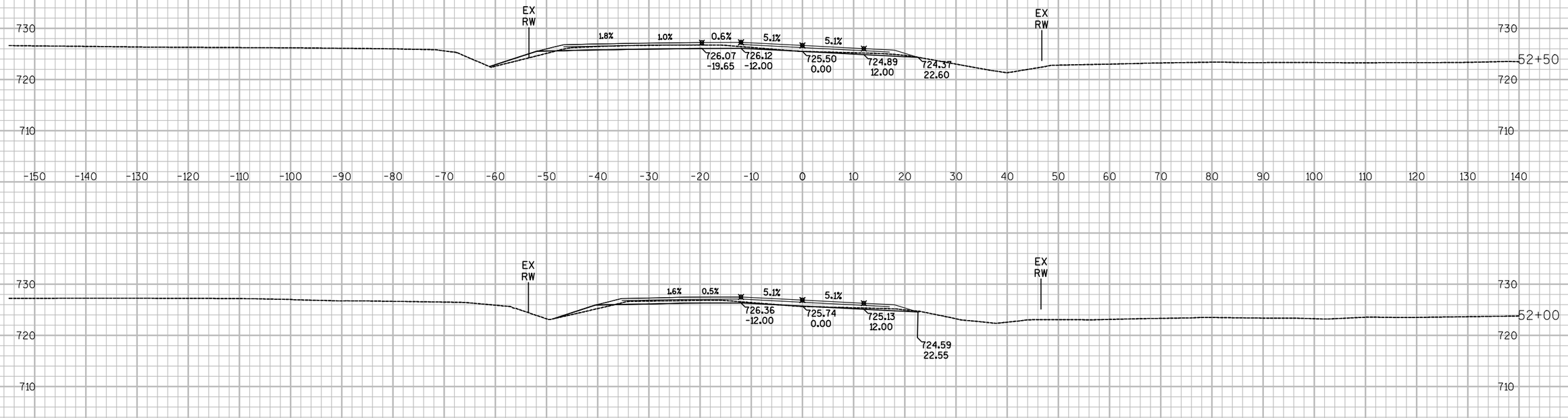
Younger Road "North"	STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Mass Ordinate Note 8
	50+50	0.00	21.79	87.65	0	0	0	0	0.00
	51+00	50.00	1.82	35.99	22	114	22	132	-109.80
	51+50	50.00	9.83	19.02	11	51	33	190	-157.59
	52+00	50.00	18.43	11.93	26	29	59	223	-164.37
	52+50	50.00	24.86	10.85	40	21	99	247	-148.55
	52+60	10.00	12.34	7.73	7	3	106	251	-145.62
					106	219			

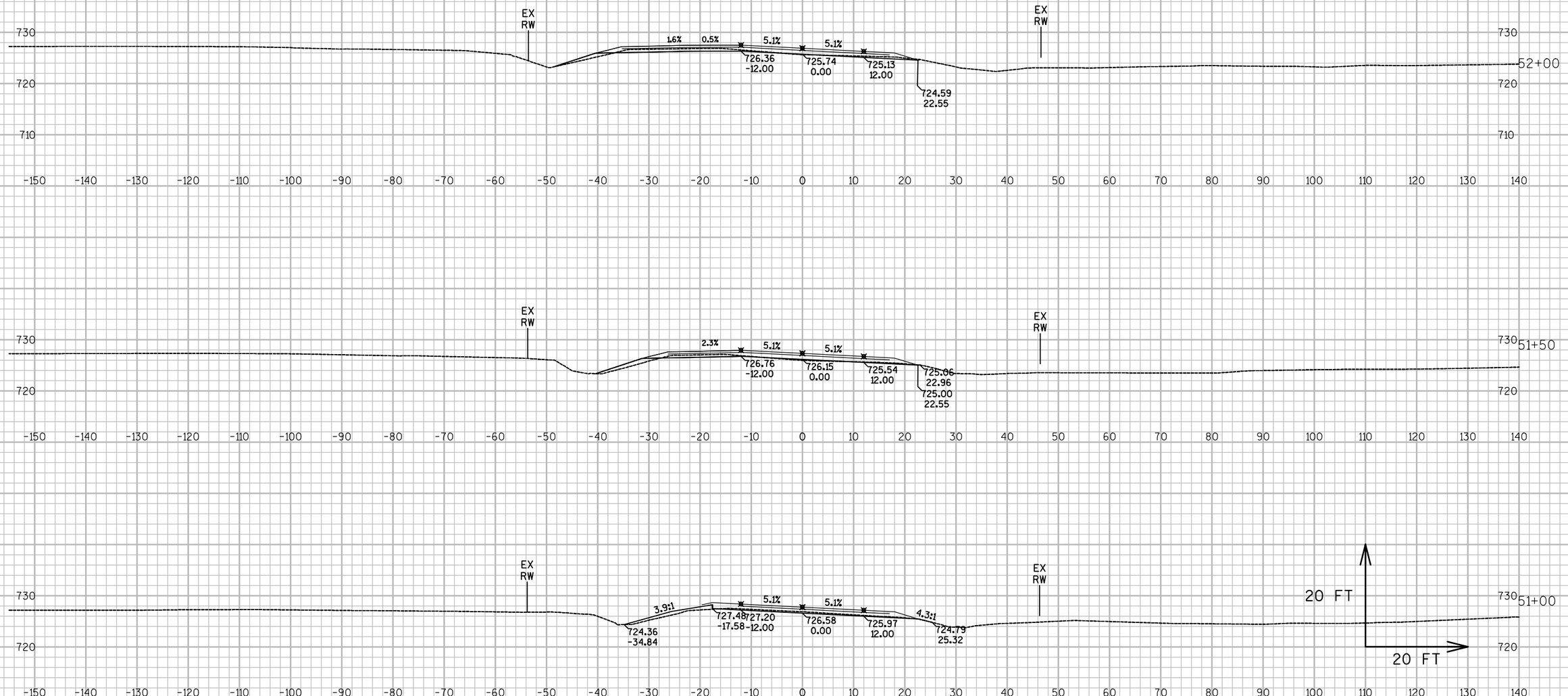




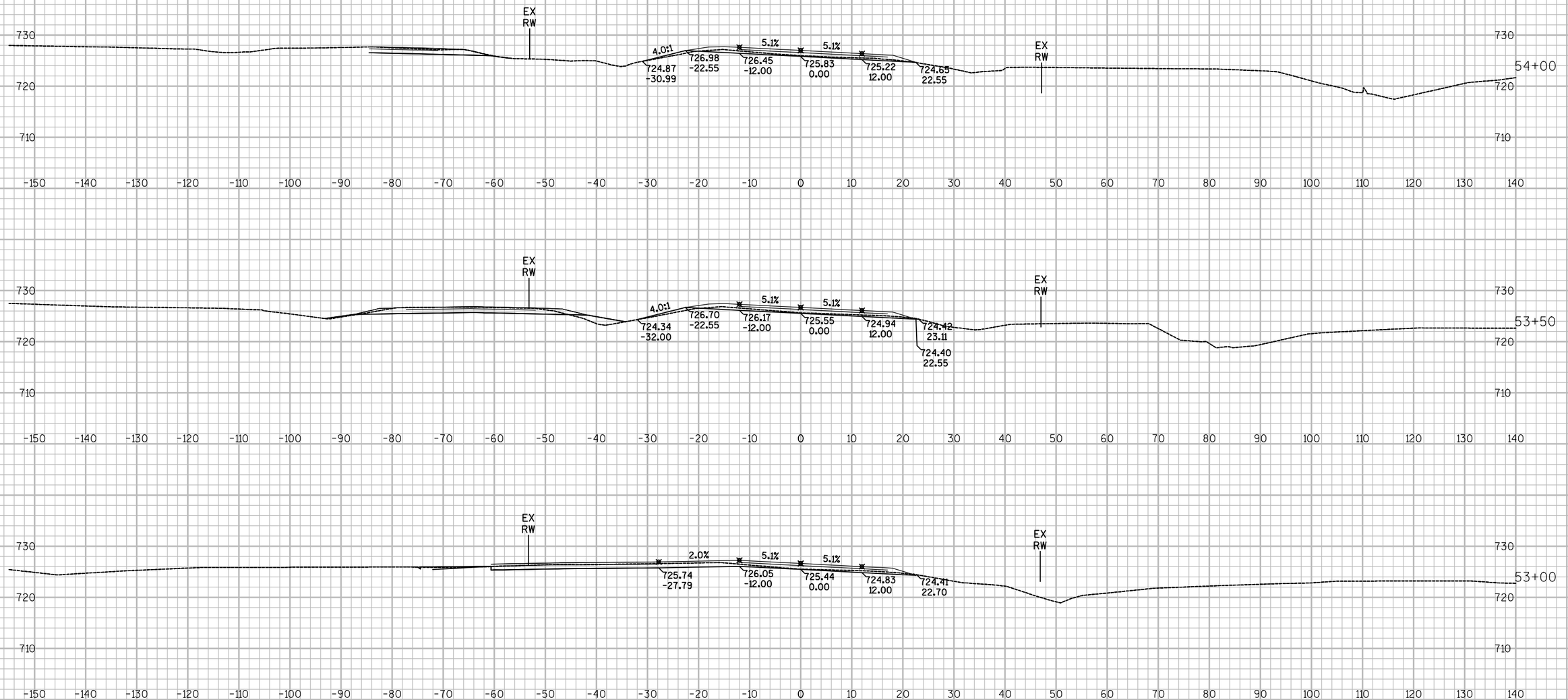


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 206 E

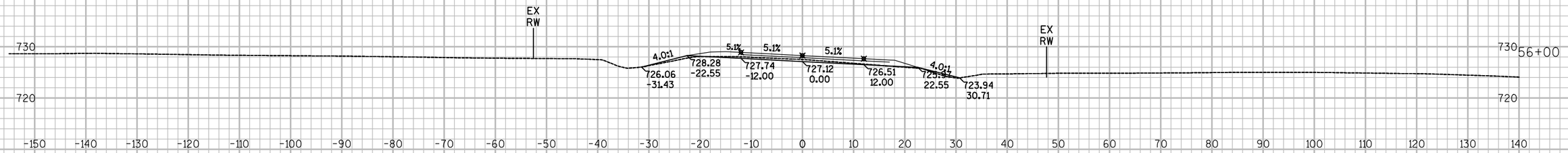


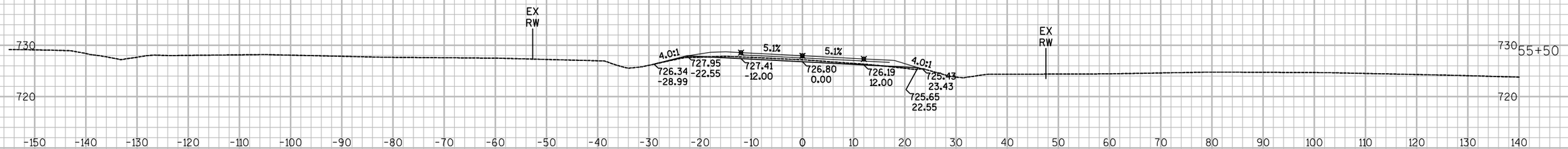


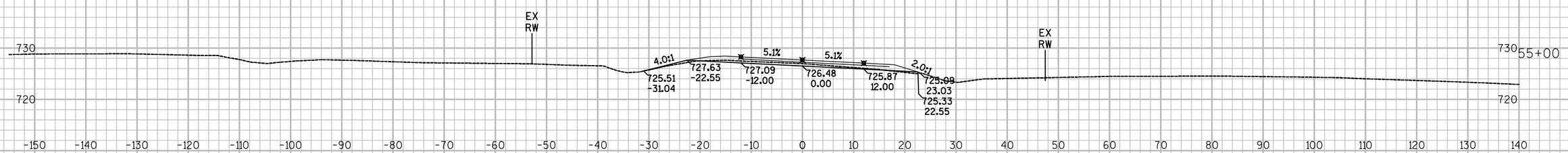
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 207	E

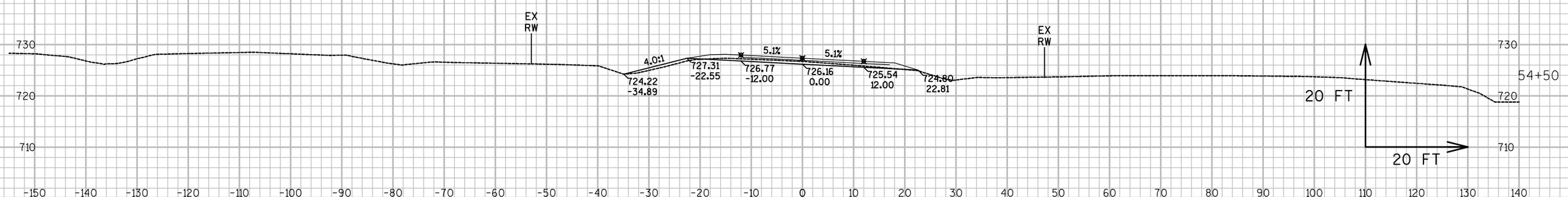


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 208	E

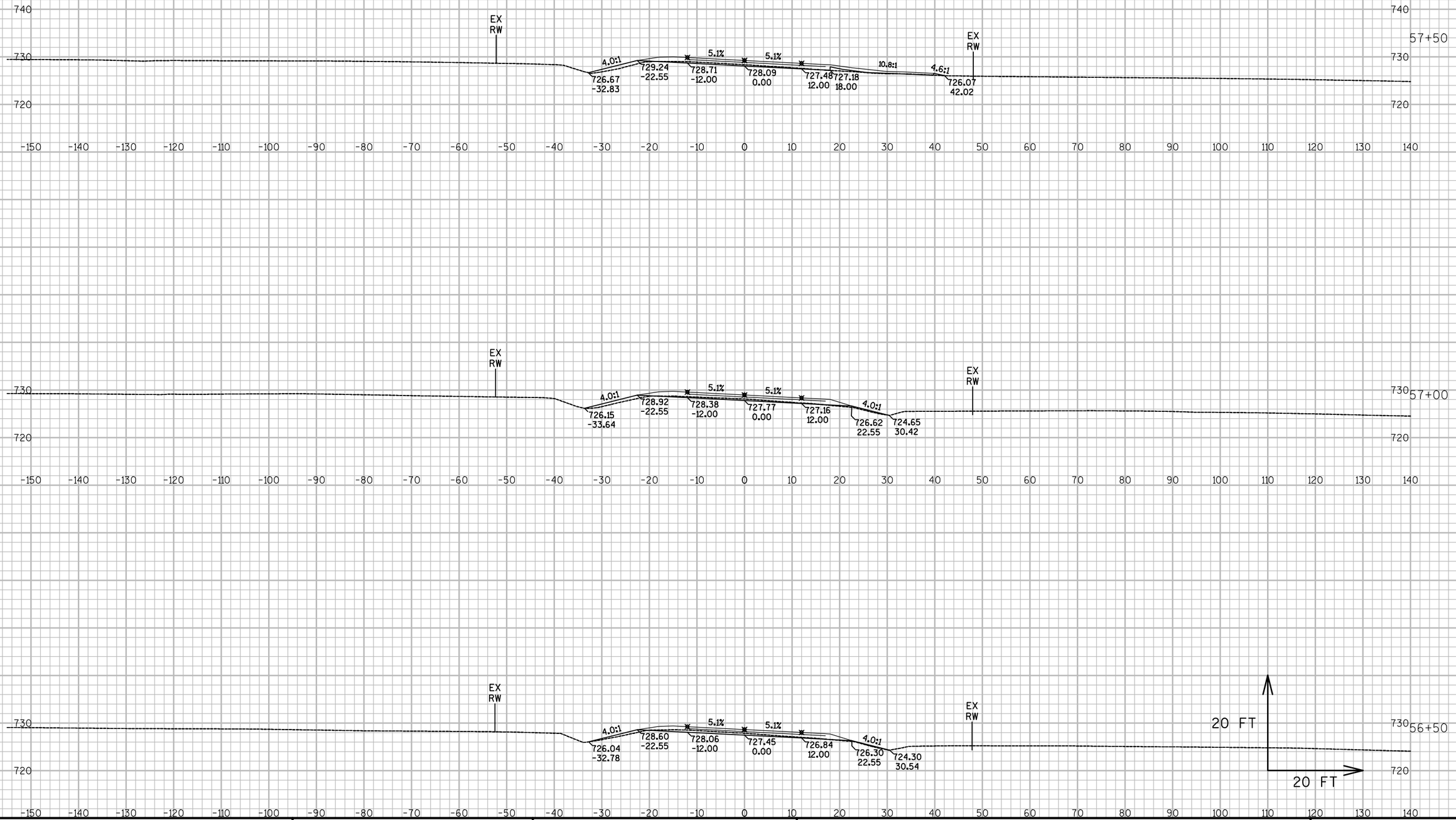








PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 209	E

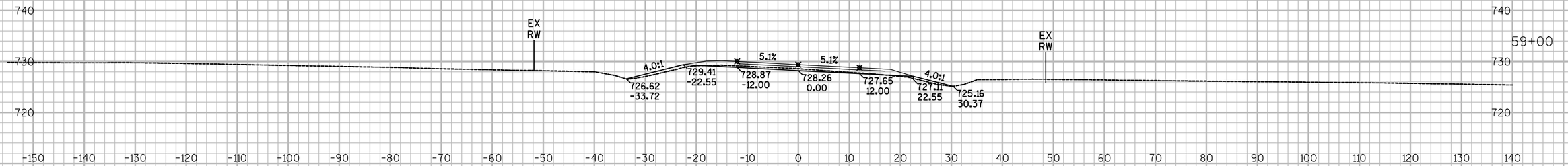


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 210	E

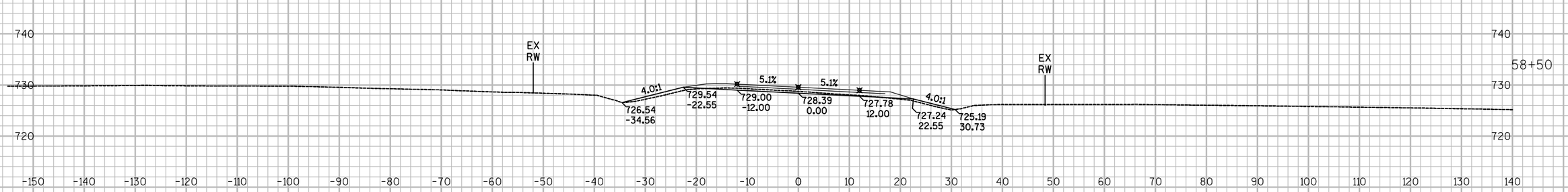
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (5)

PLOT DATE : 3/14/2016 11:40 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME :

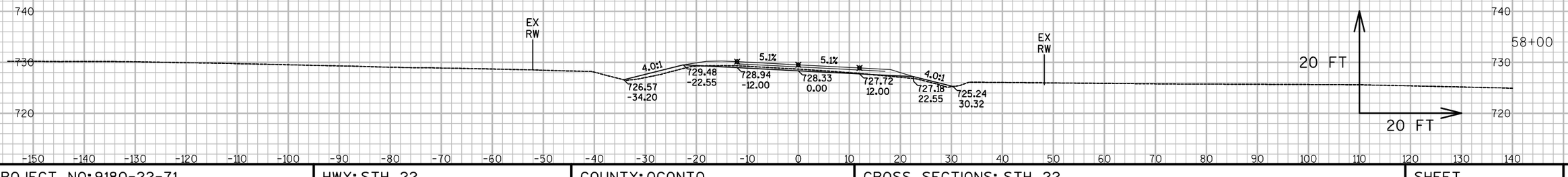
PLOT SCALE : 1:20_XREF



59+00



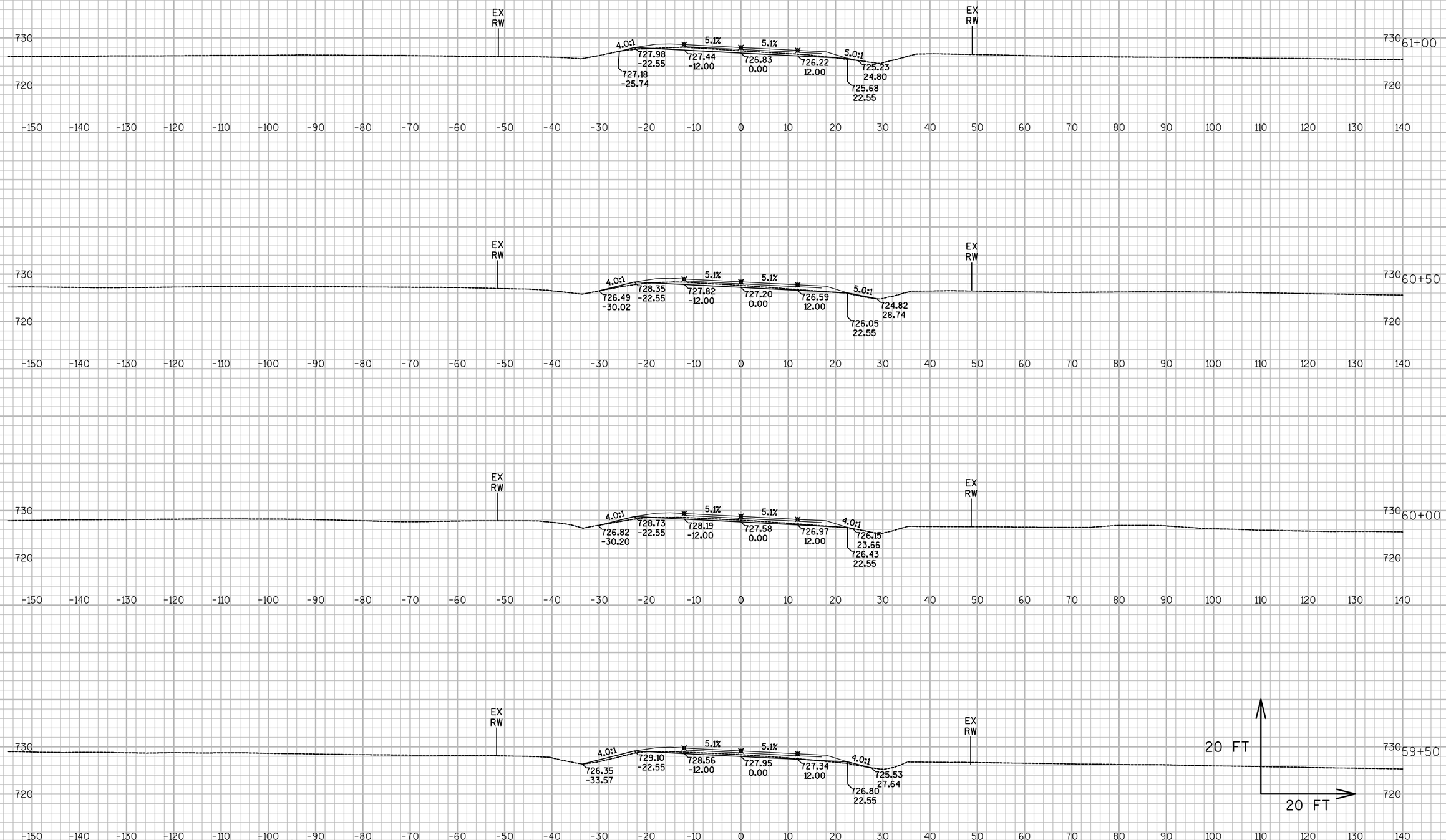
58+50



58+00

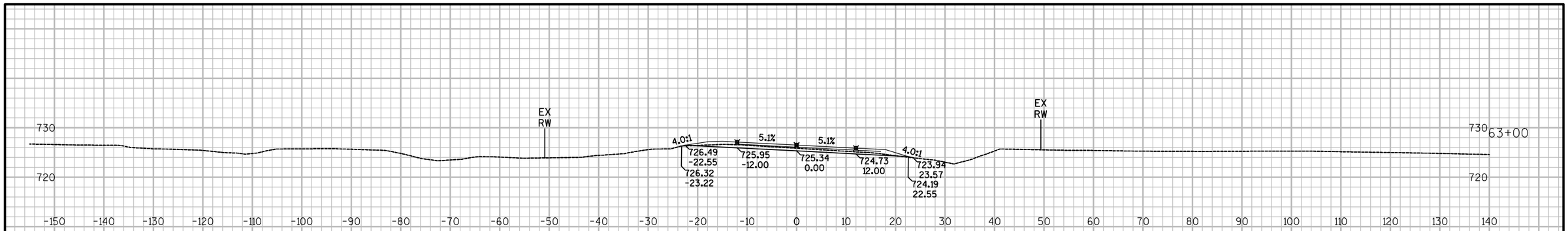
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 211	E

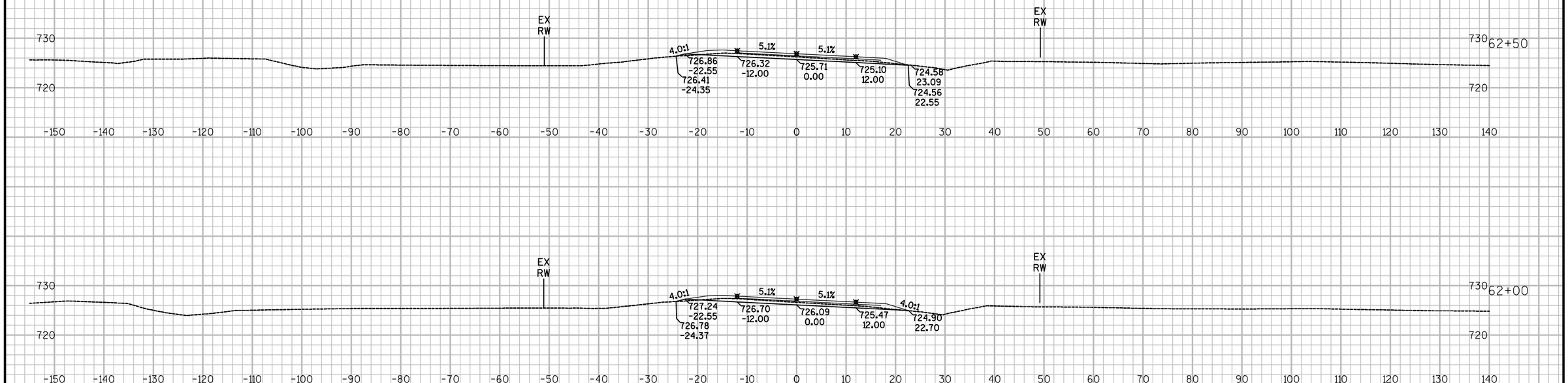
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (6)
PLOT DATE : 3/14/2016 11:41 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

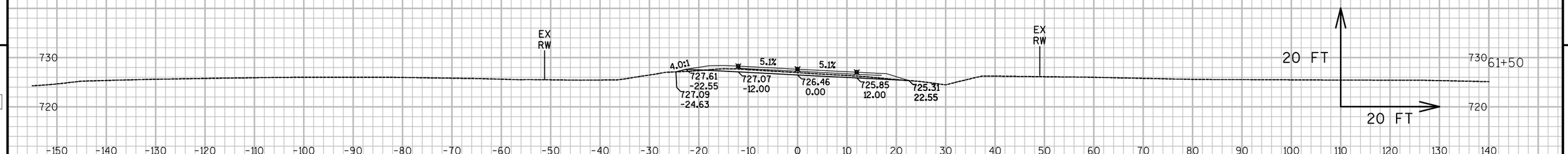


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 212	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (7)
PLOT DATE : 3/14/2016 11:42 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

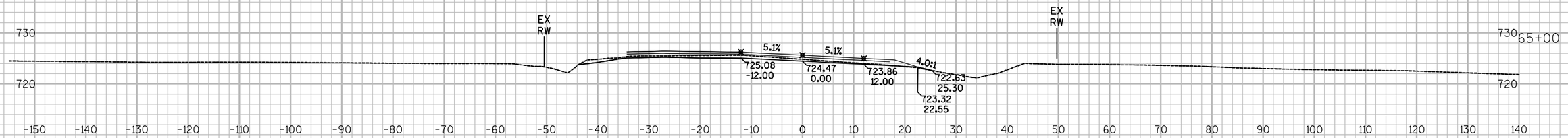


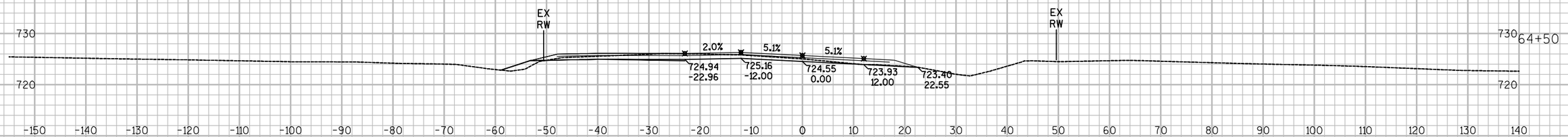


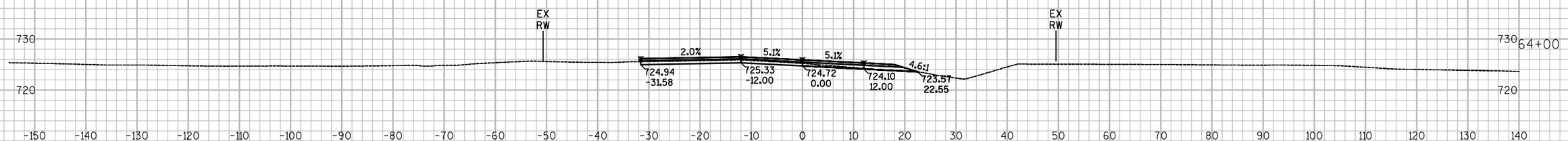


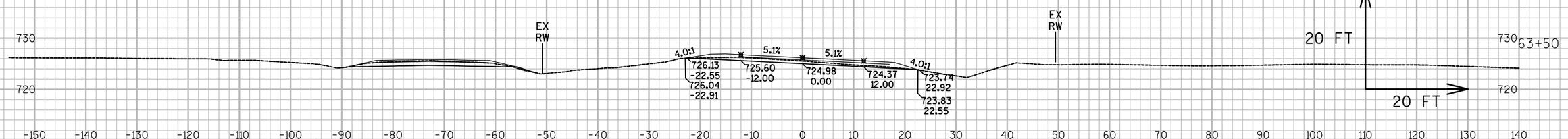
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 213	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (8)
PLOT DATE : 3/14/2016 11:43 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



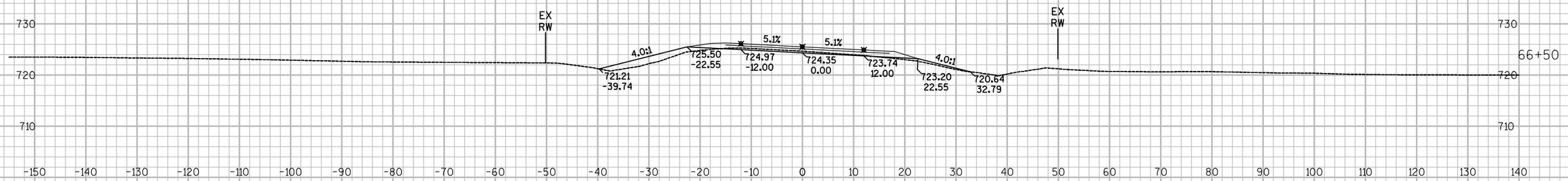


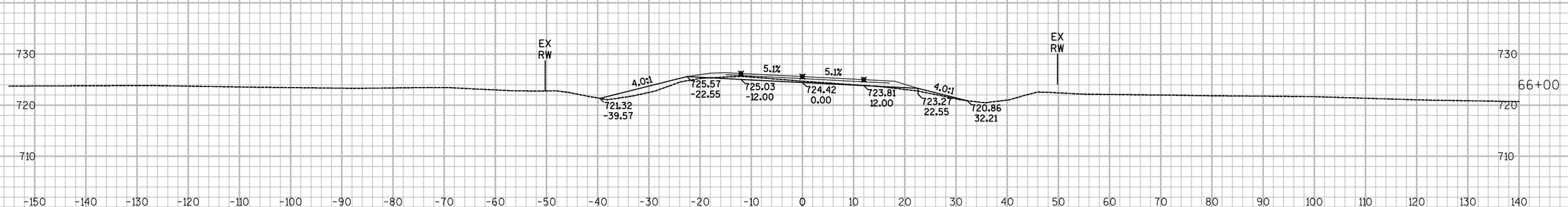


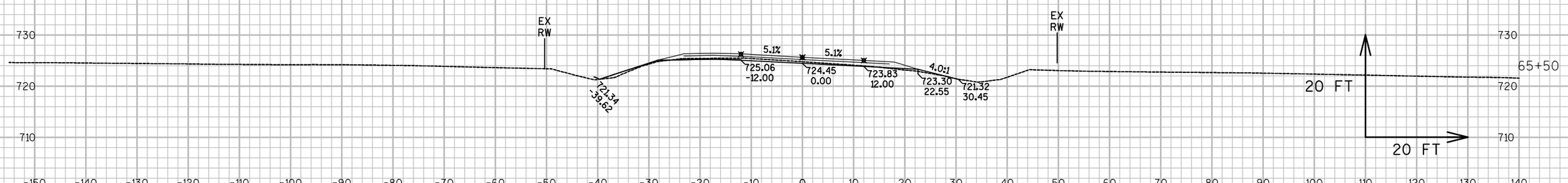


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 214 E

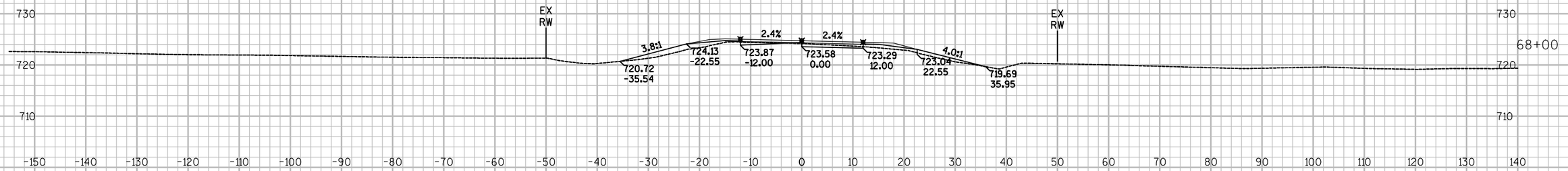
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (9)
PLOT DATE : 3/14/2016 11:43 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

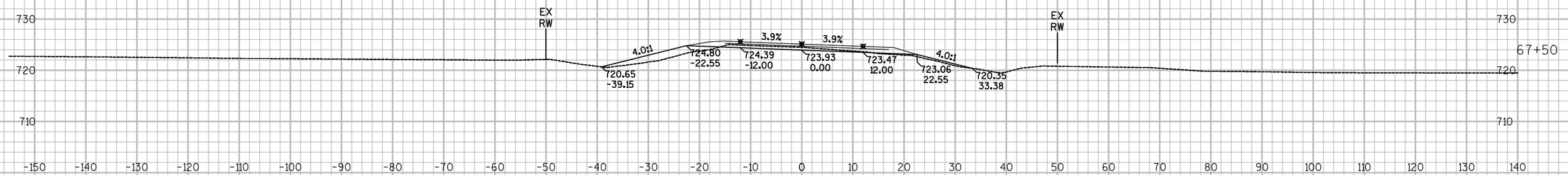


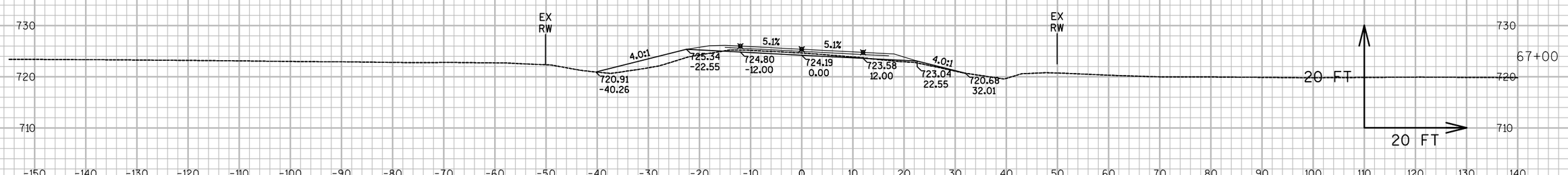




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 215 E



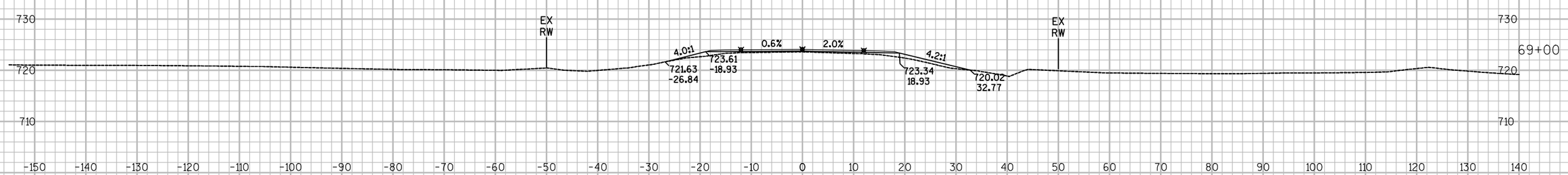


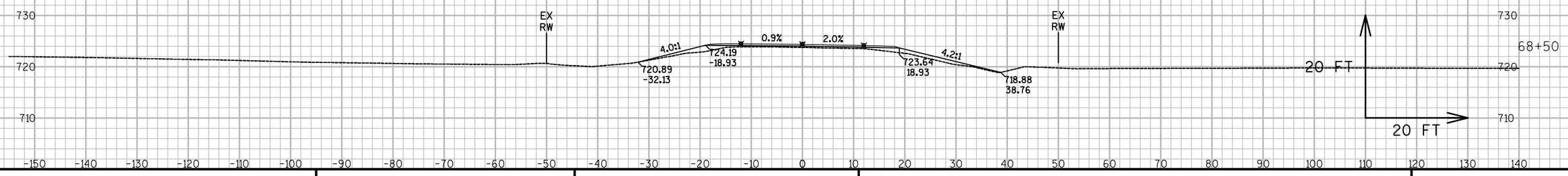


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 216	E

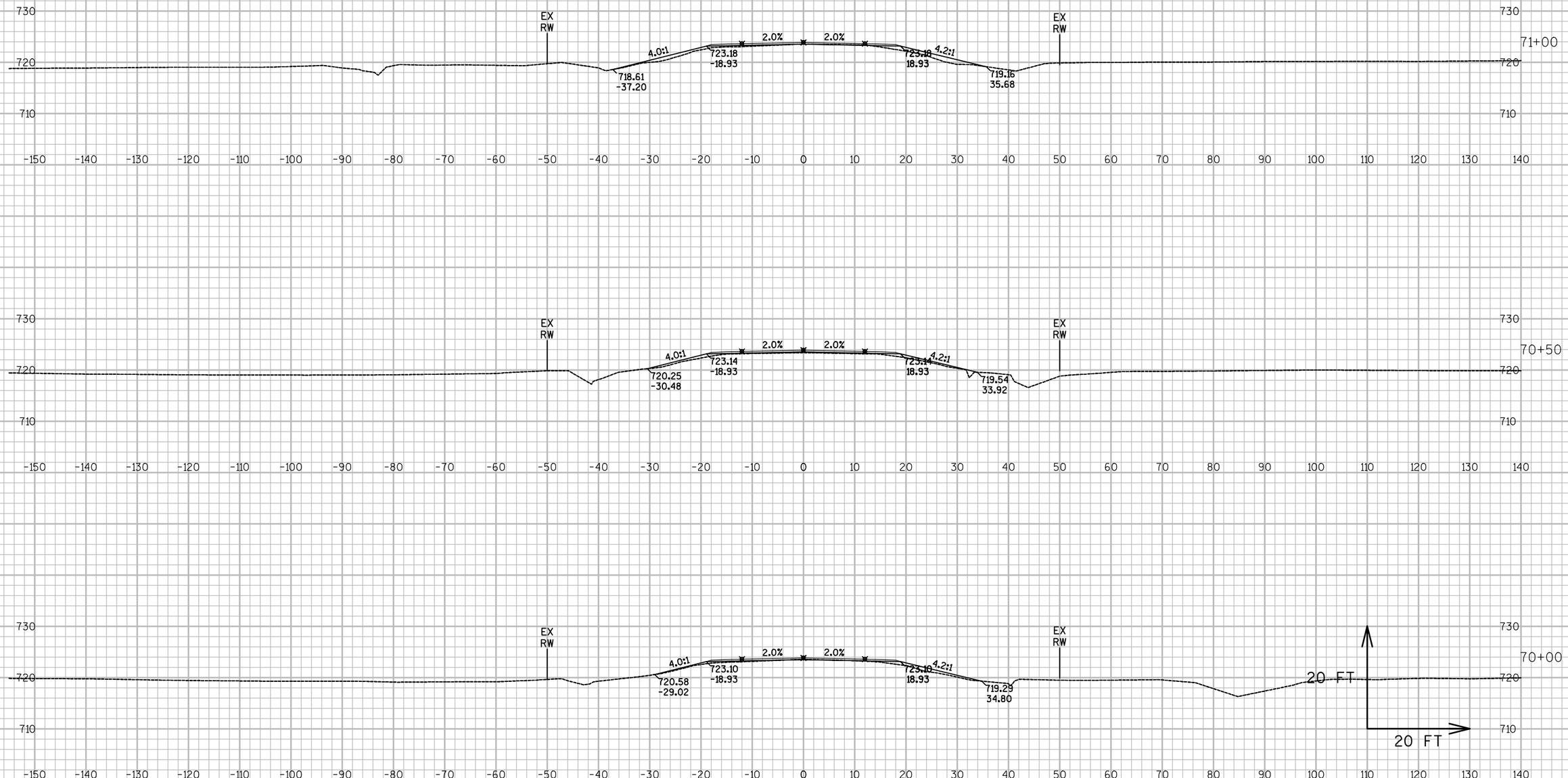
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (11)
PLOT DATE : 3/14/2016 11:45 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49







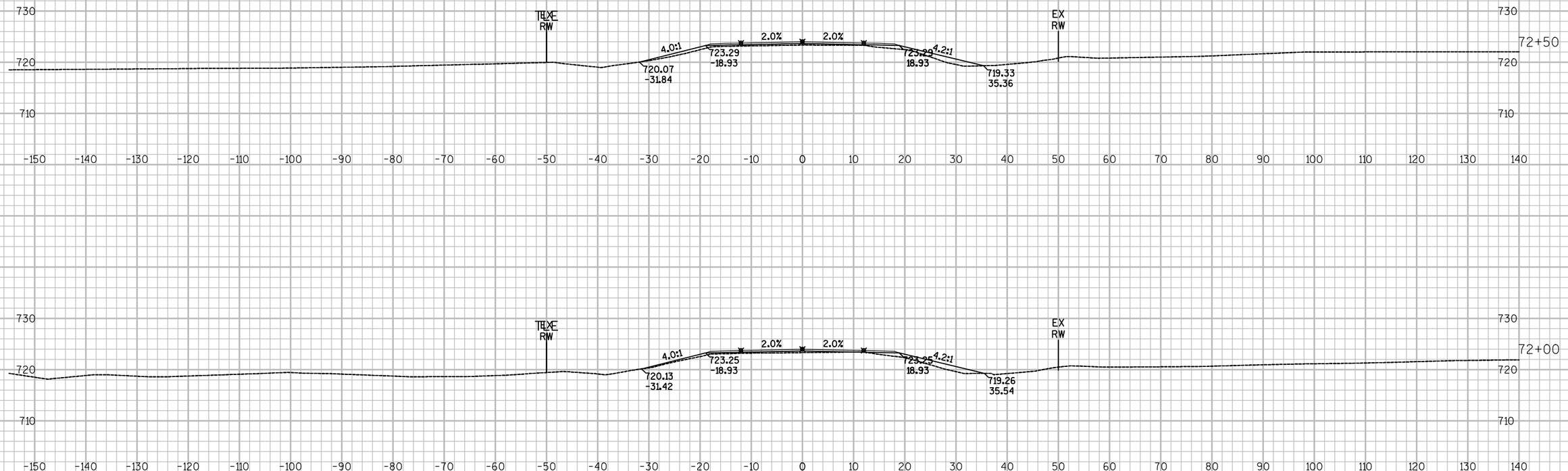
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 217	E

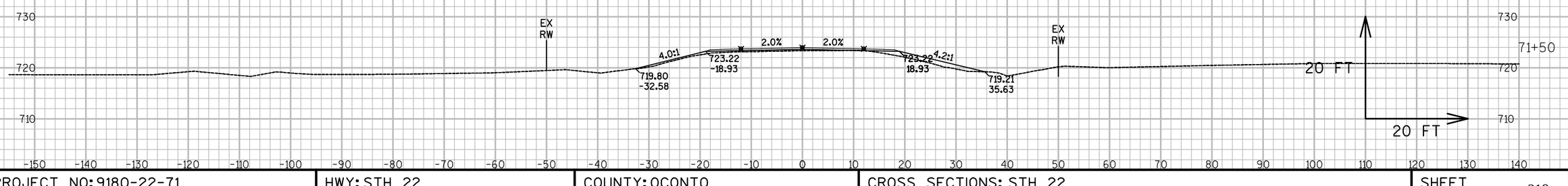


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 218	E

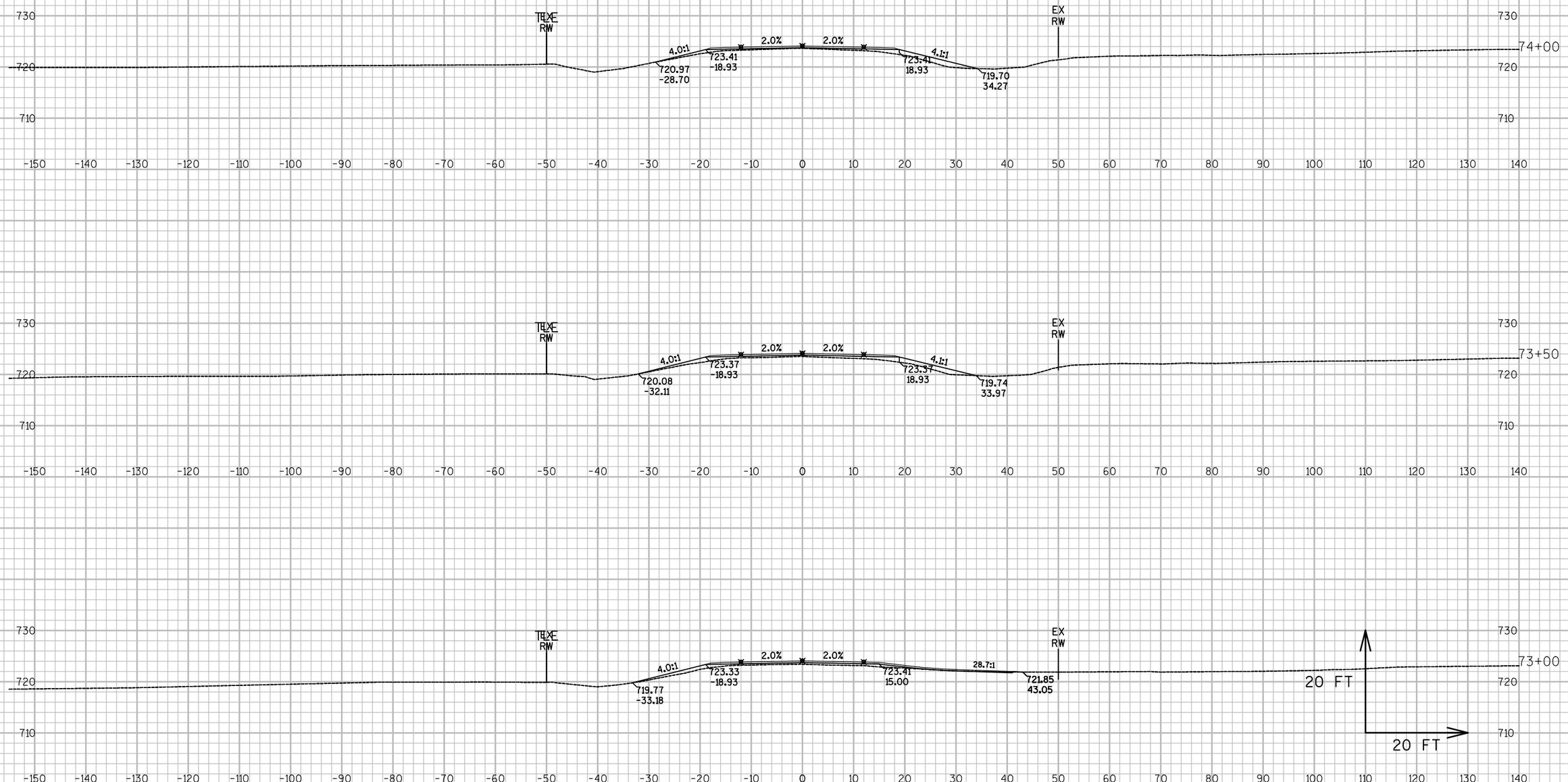
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (13)

PLOT DATE : 3/14/2016 11:46 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF



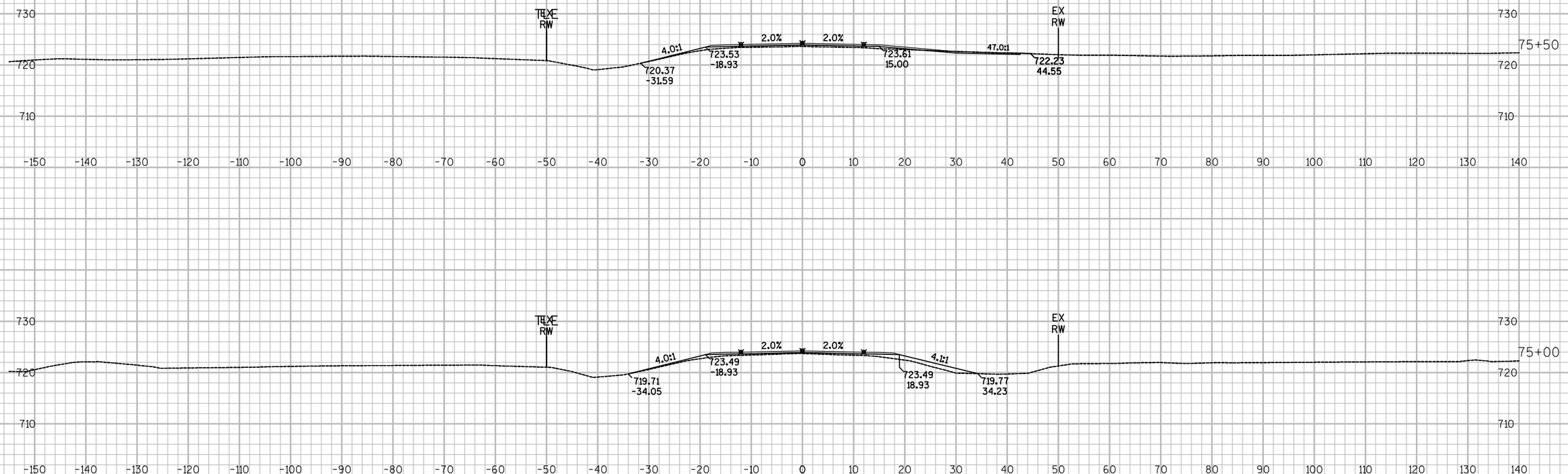


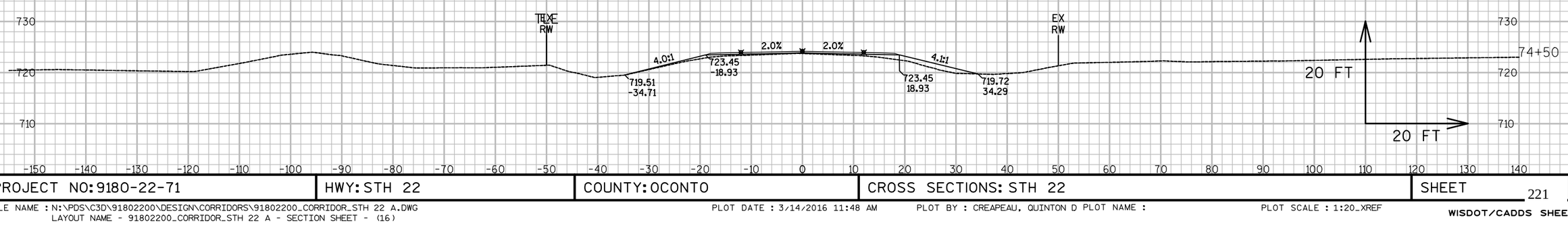
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 219	E



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 220	E

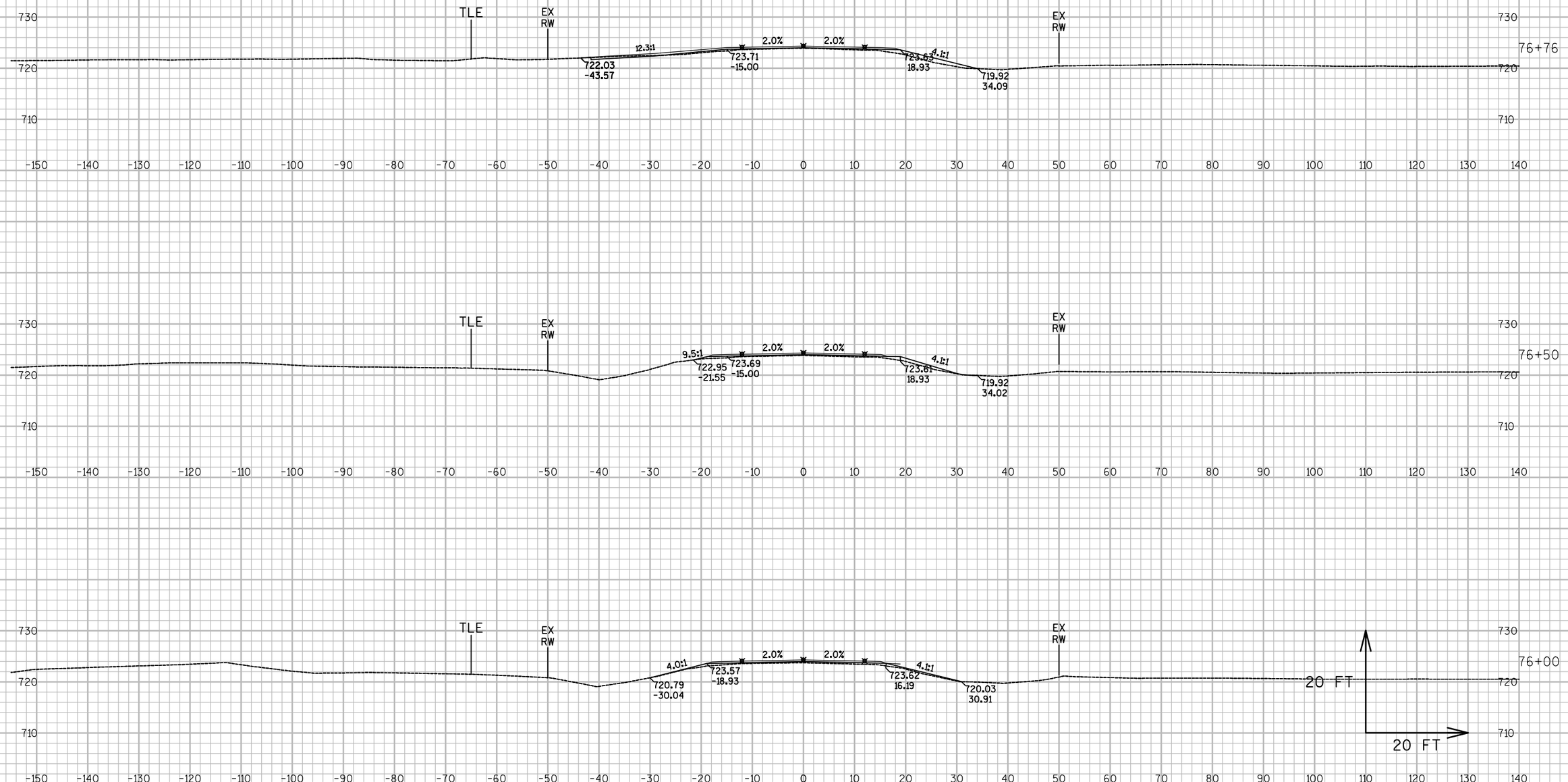
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (15)
PLOT DATE : 3/14/2016 11:47 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



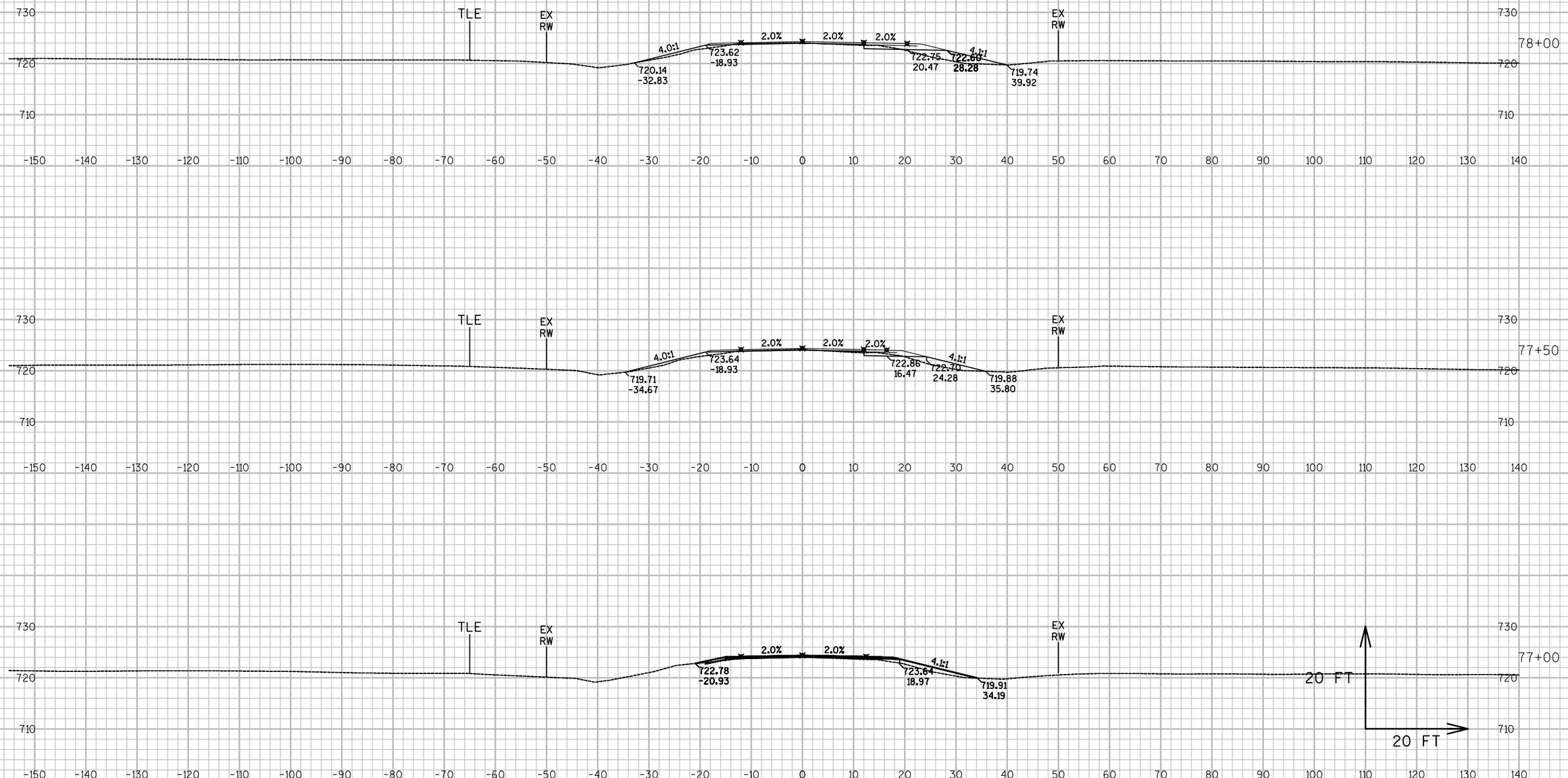


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 221	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (16)
PLOT DATE : 3/14/2016 11:48 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 222	E

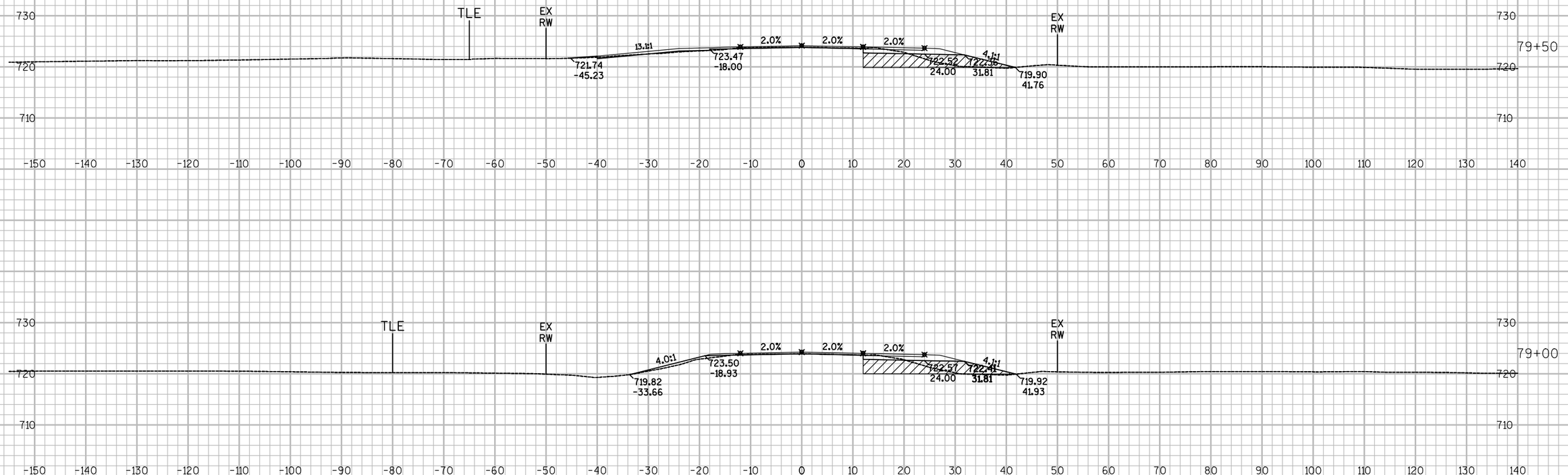


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 223	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (18)

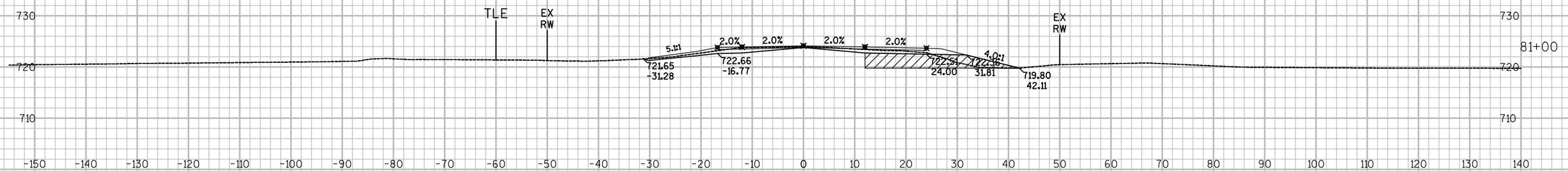
PLOT DATE : 3/14/2016 11:49 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

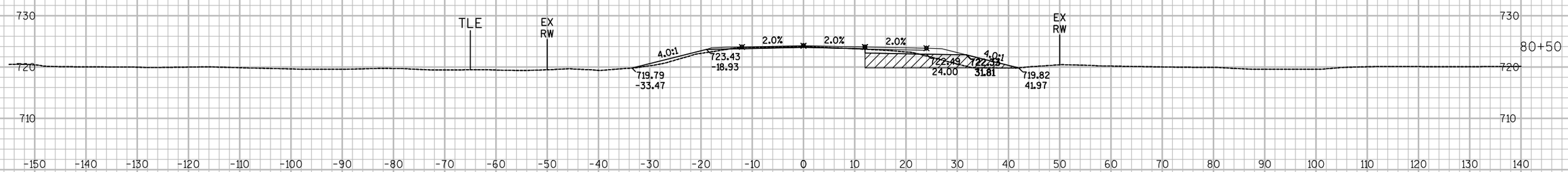
WISDOT/CADDS SHEET 49

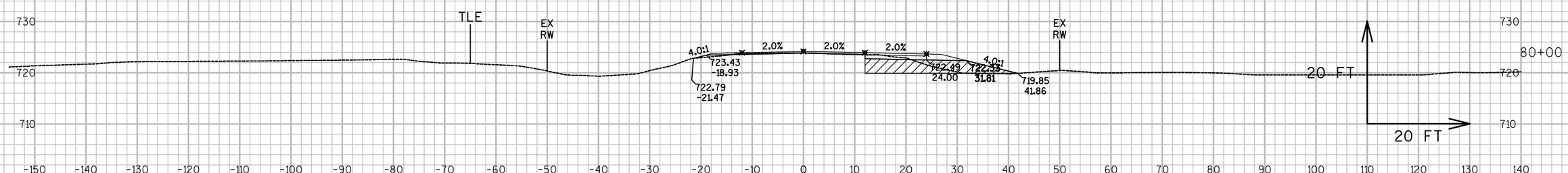


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 224	E

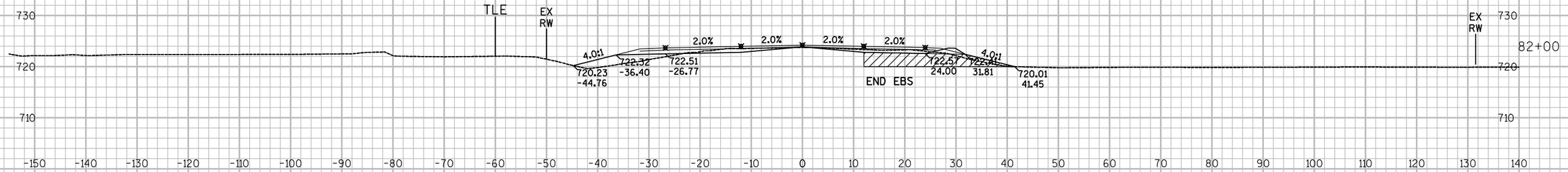
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (19)
PLOT DATE : 3/14/2016 11:50 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

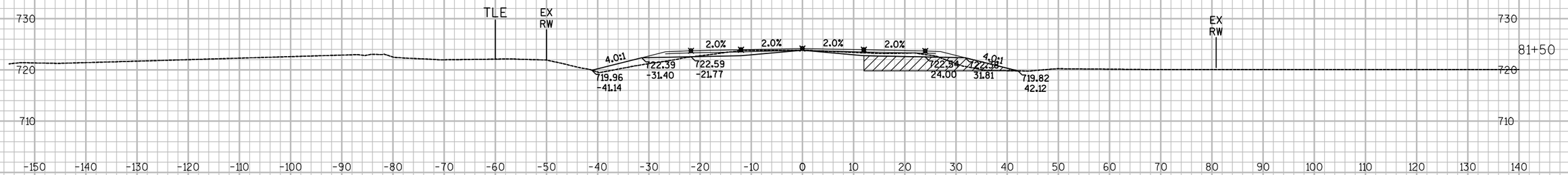


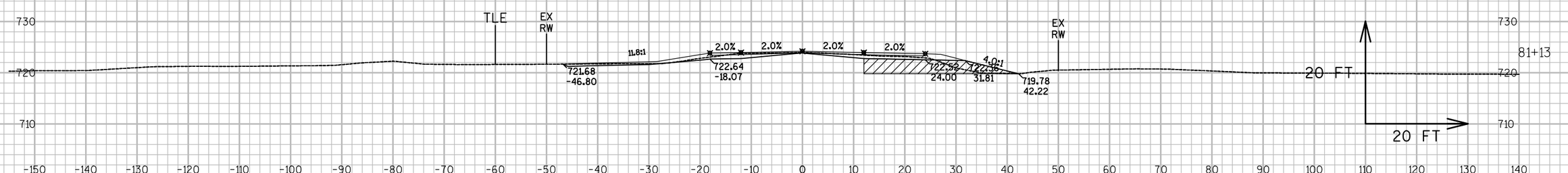




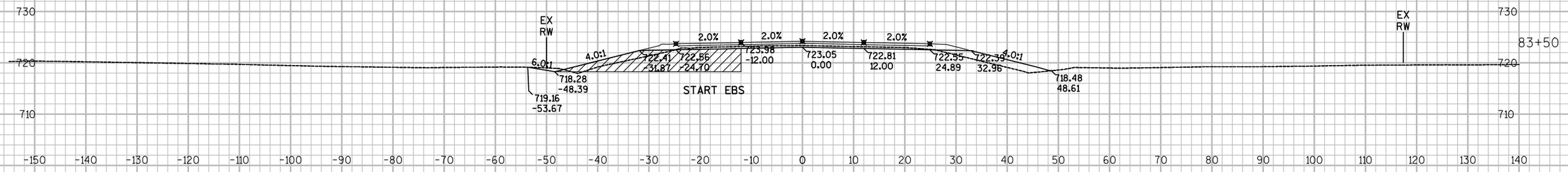
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 225	E

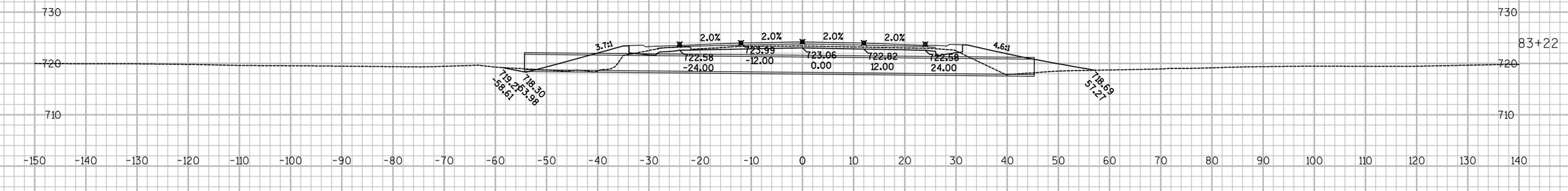


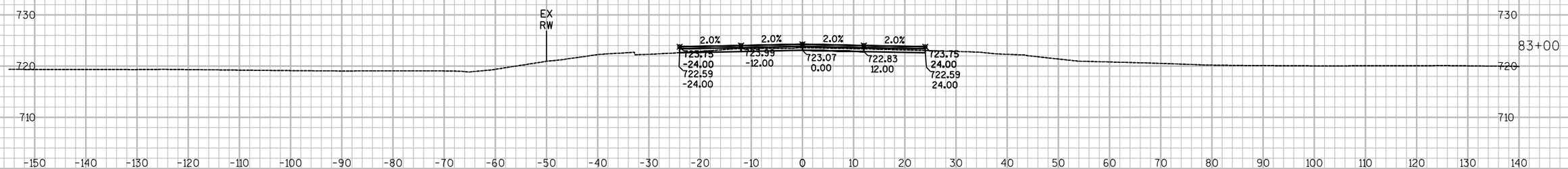




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 226	E



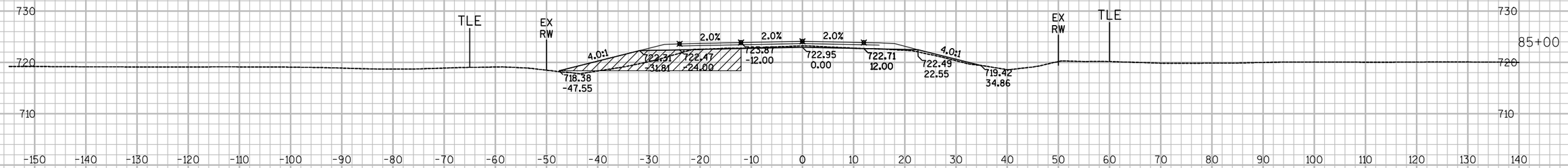


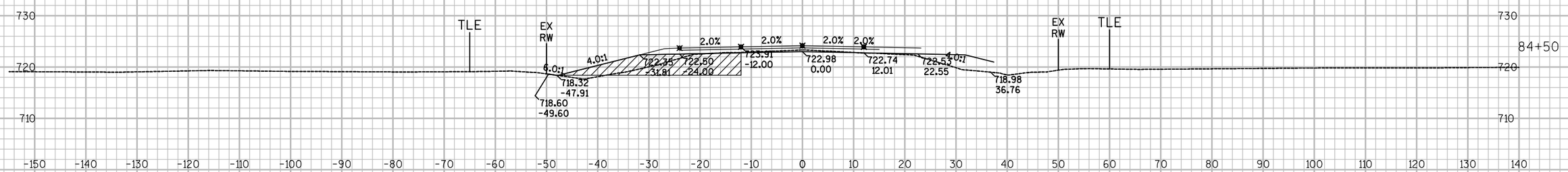


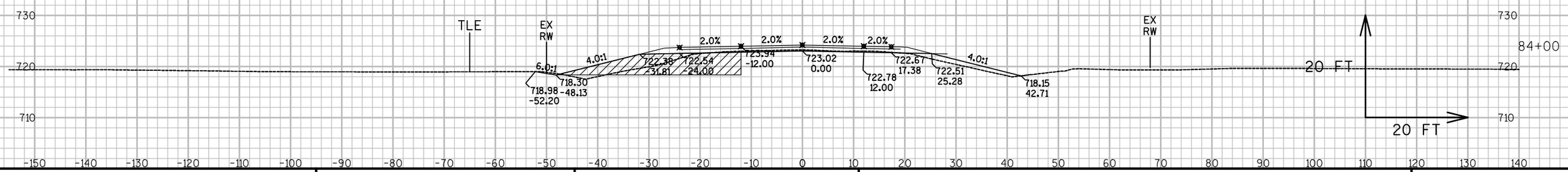


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 227	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (22)
PLOT DATE : 3/14/2016 11:52 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

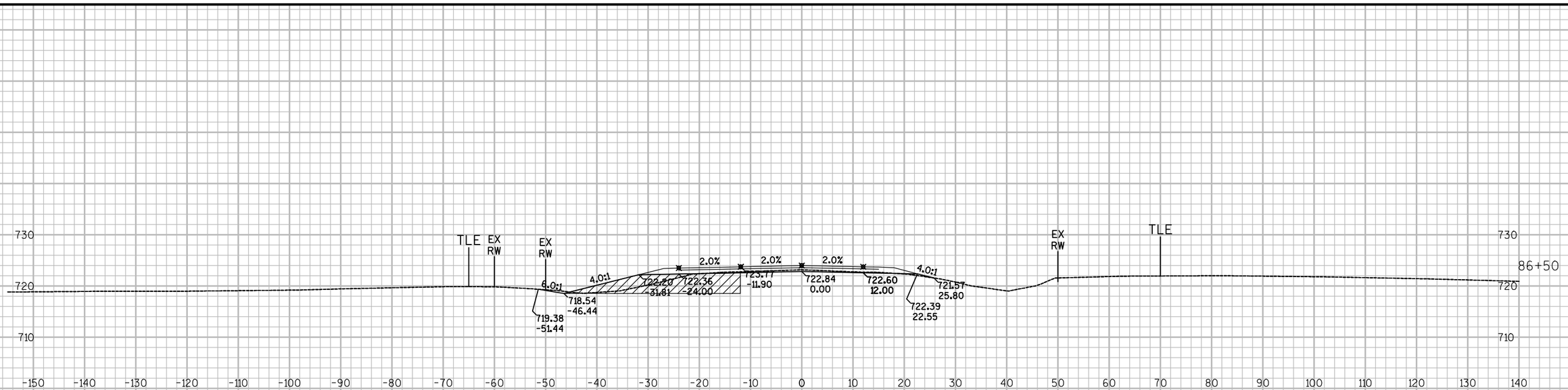




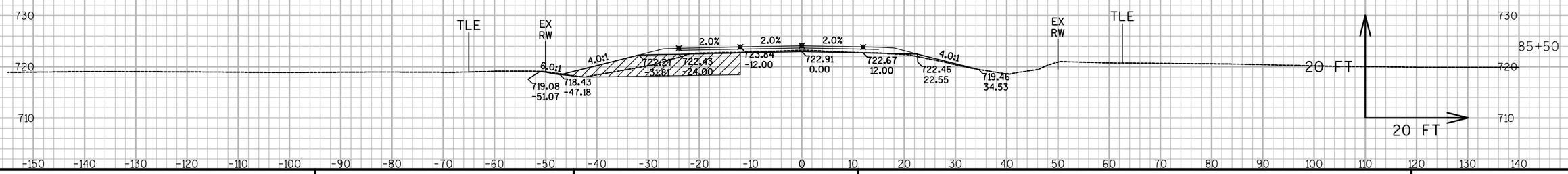


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 228	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (23)
PLOT DATE : 3/14/2016 11:53 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

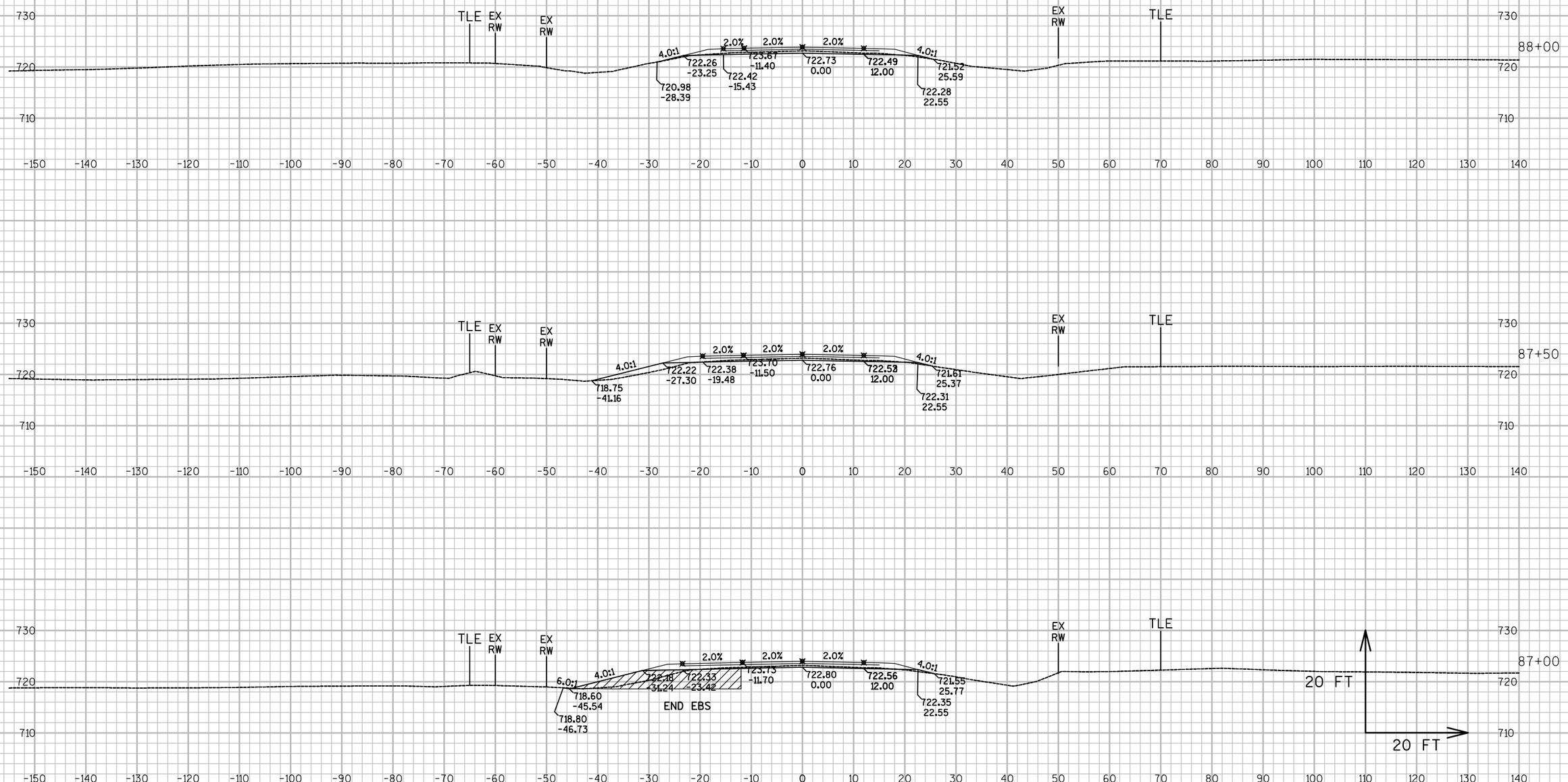






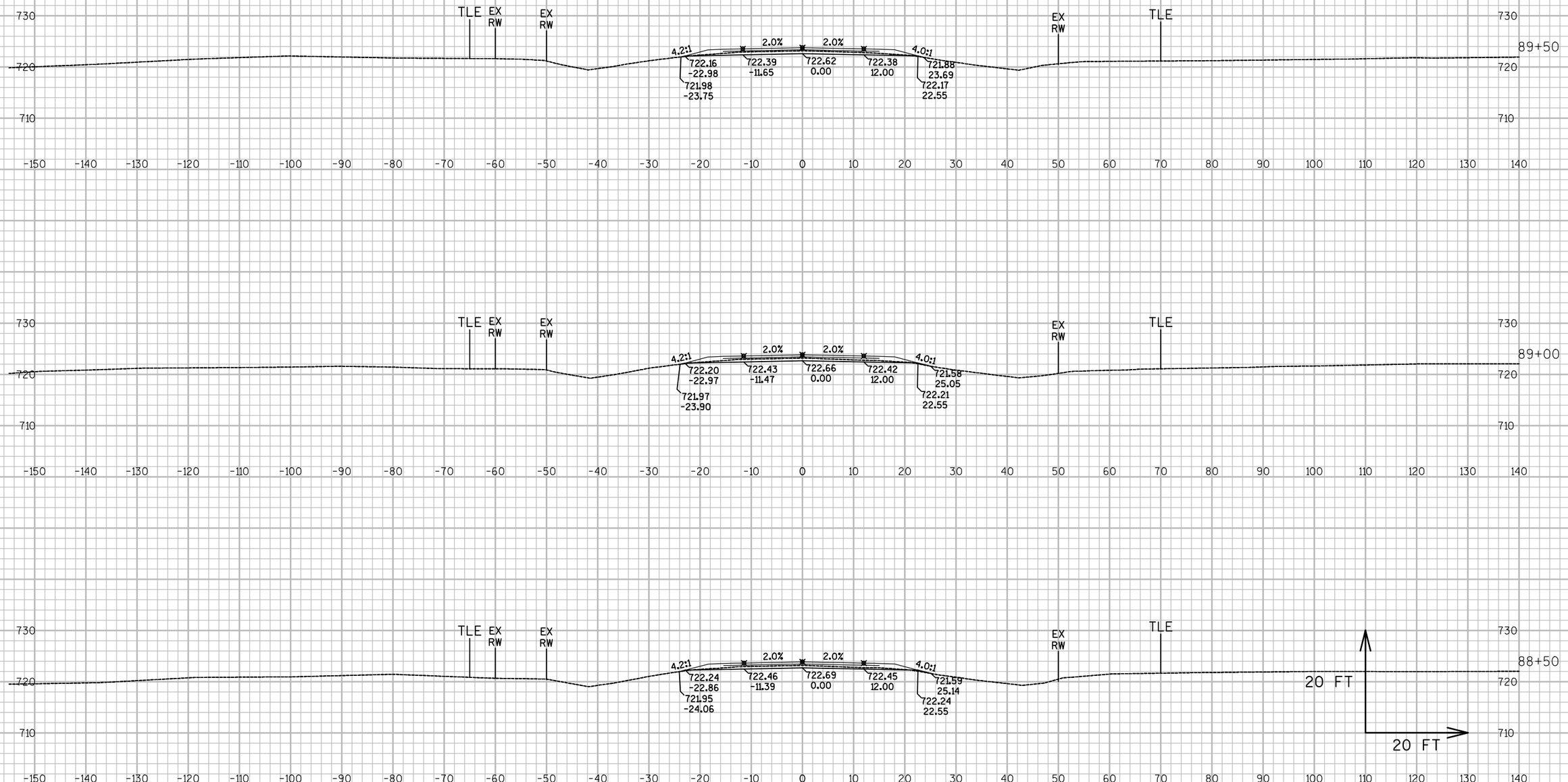
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 229	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (24)
PLOT DATE : 3/14/2016 11:54 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



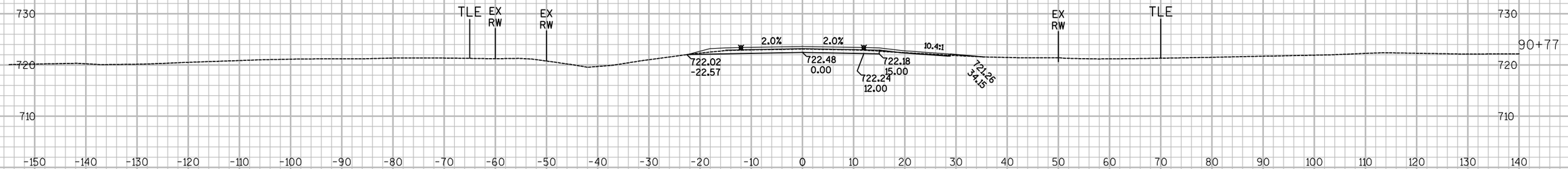
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 230	E

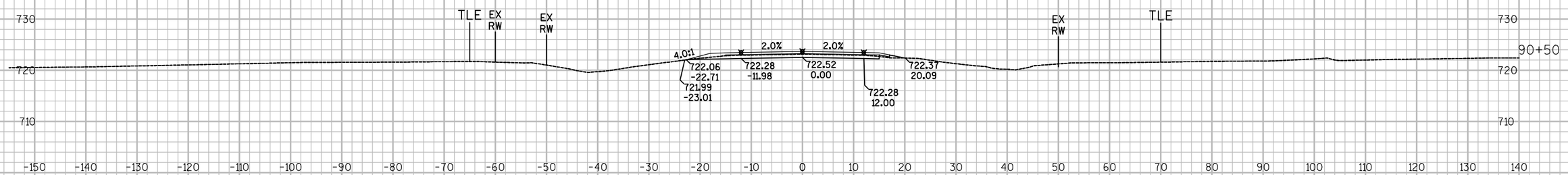
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (25)
PLOT DATE : 3/14/2016 11:54 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

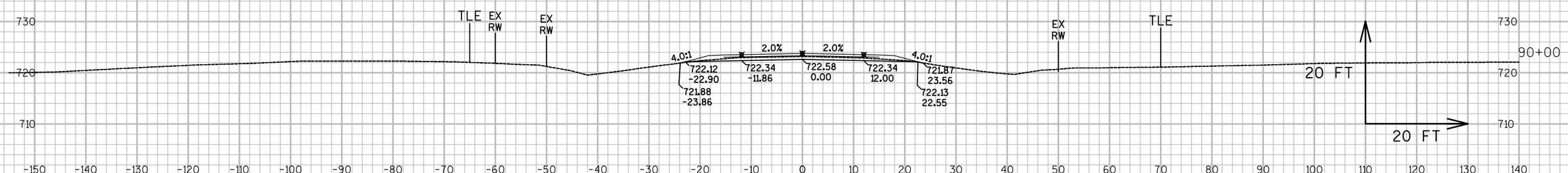


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 231	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (26)
PLOT DATE : 3/14/2016 11:55 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

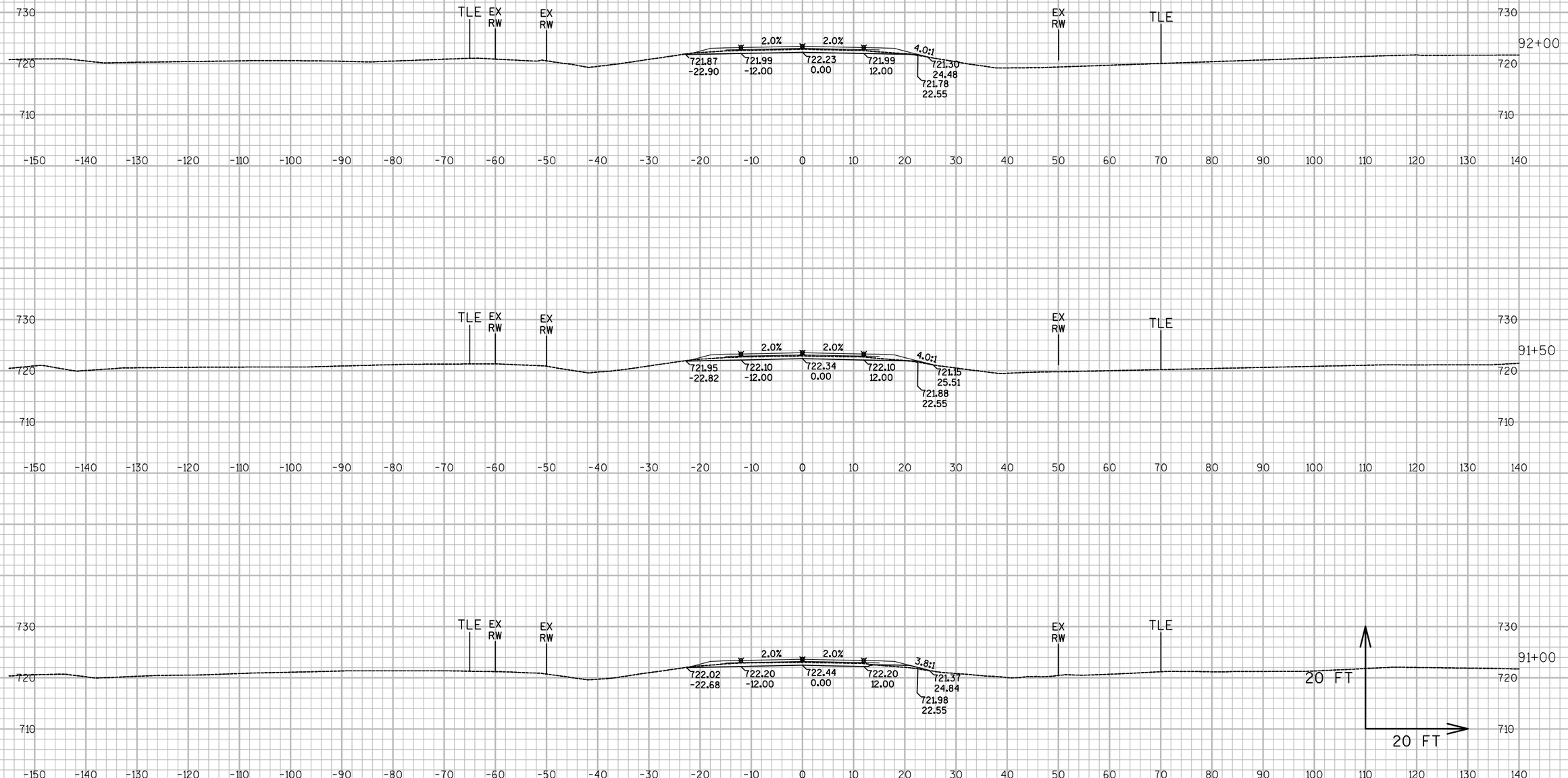






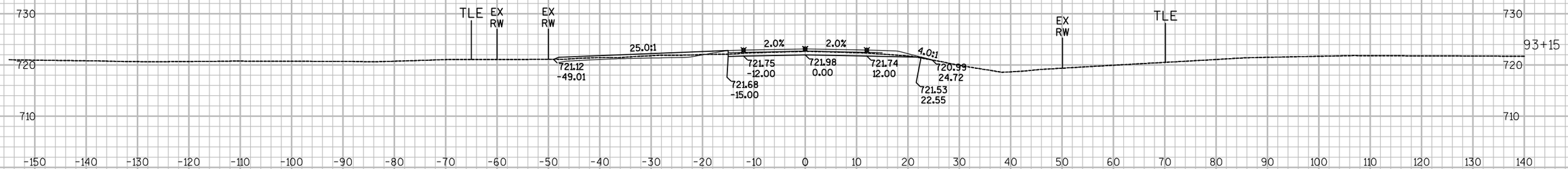
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 232	E

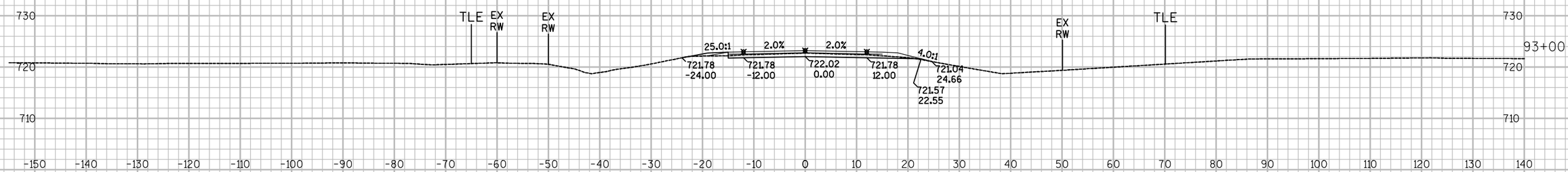
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (27)
PLOT DATE : 3/14/2016 11:56 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

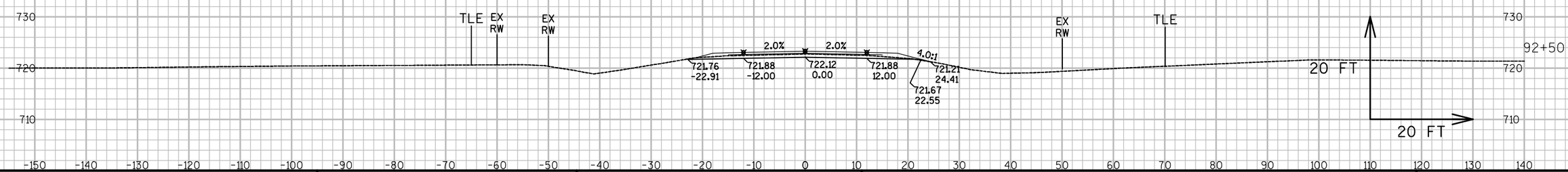


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 233	E

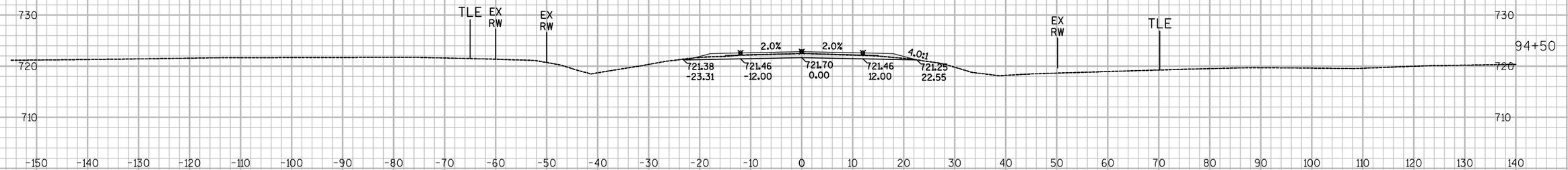
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (28)
PLOT DATE : 3/14/2016 11:56 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

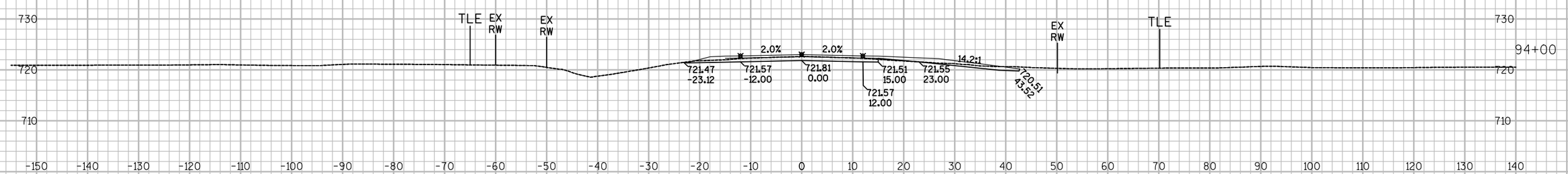


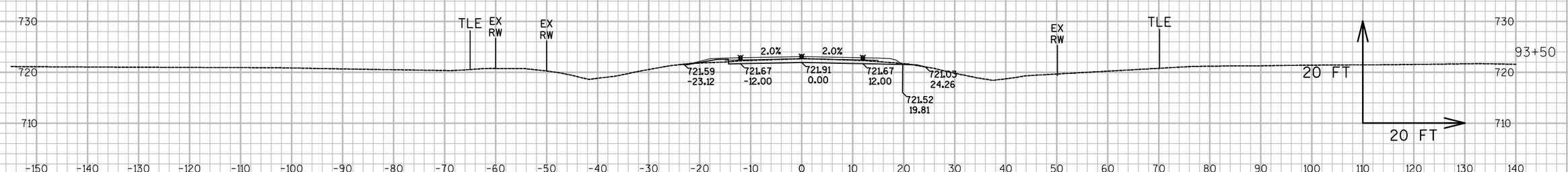




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 234	E

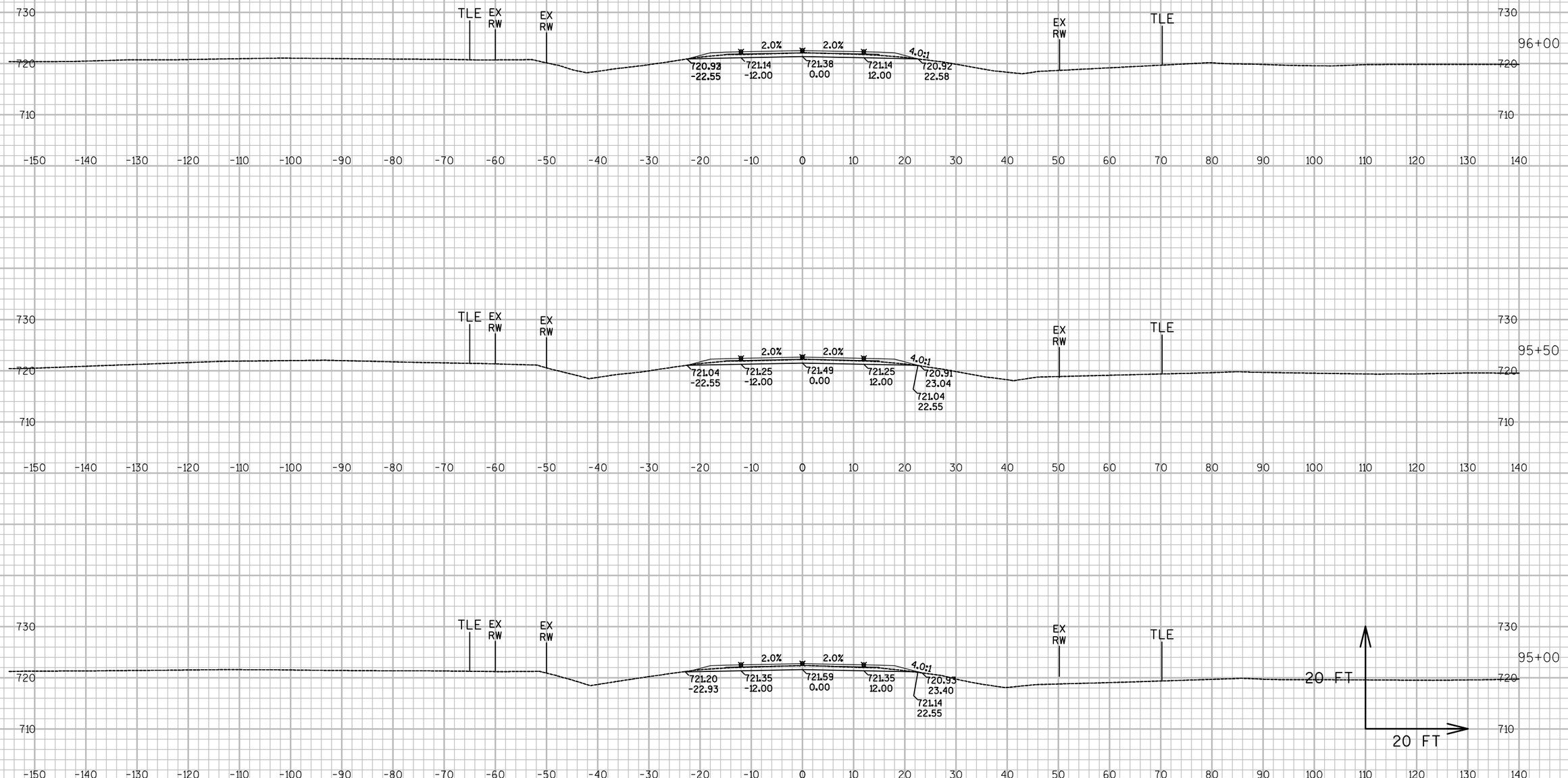






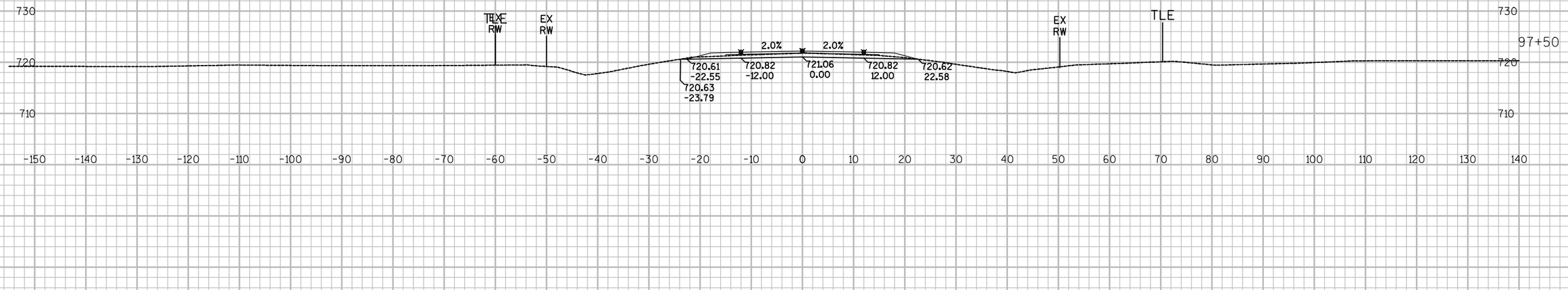
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 235	E

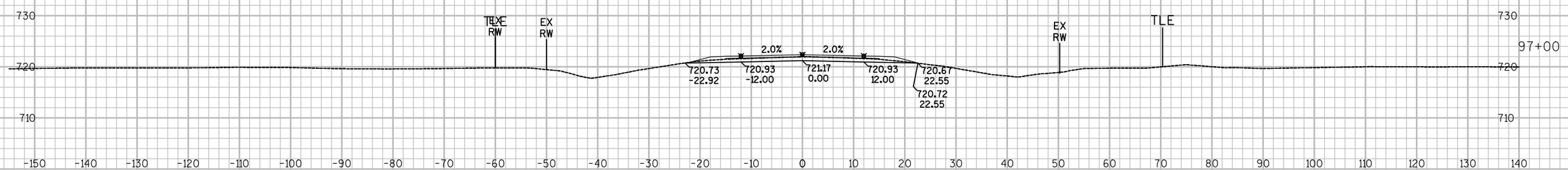
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (30)
PLOT DATE : 3/14/2016 11:58 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

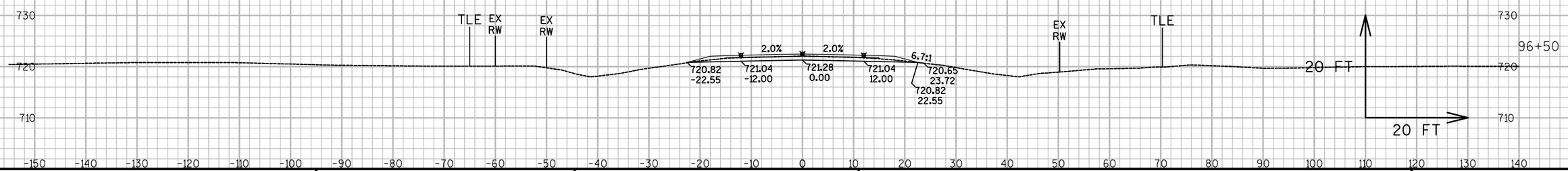


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 236	E

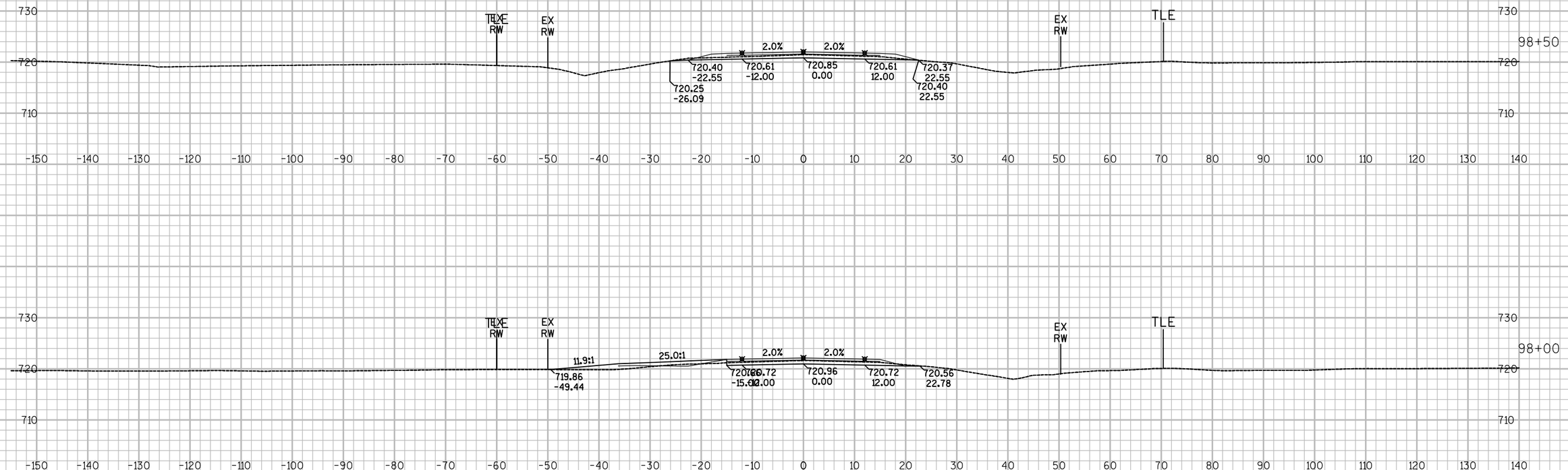
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (31)
PLOT DATE : 3/14/2016 11:59 AM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49







PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 237	E

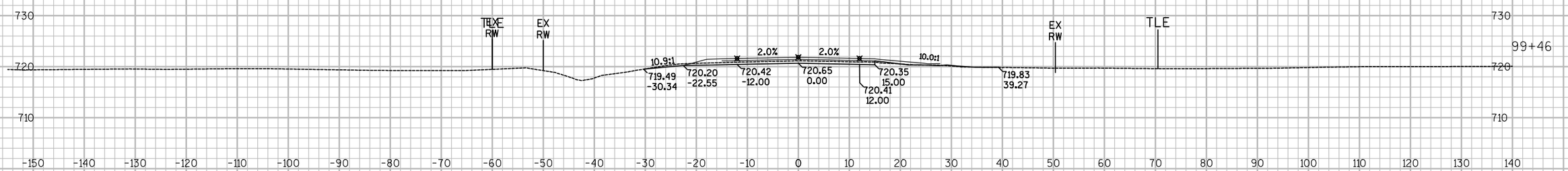


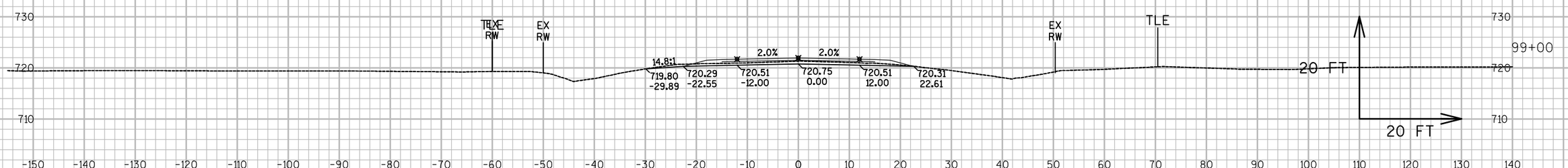
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 238	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (33)

PLOT DATE : 3/14/2016 12:00 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

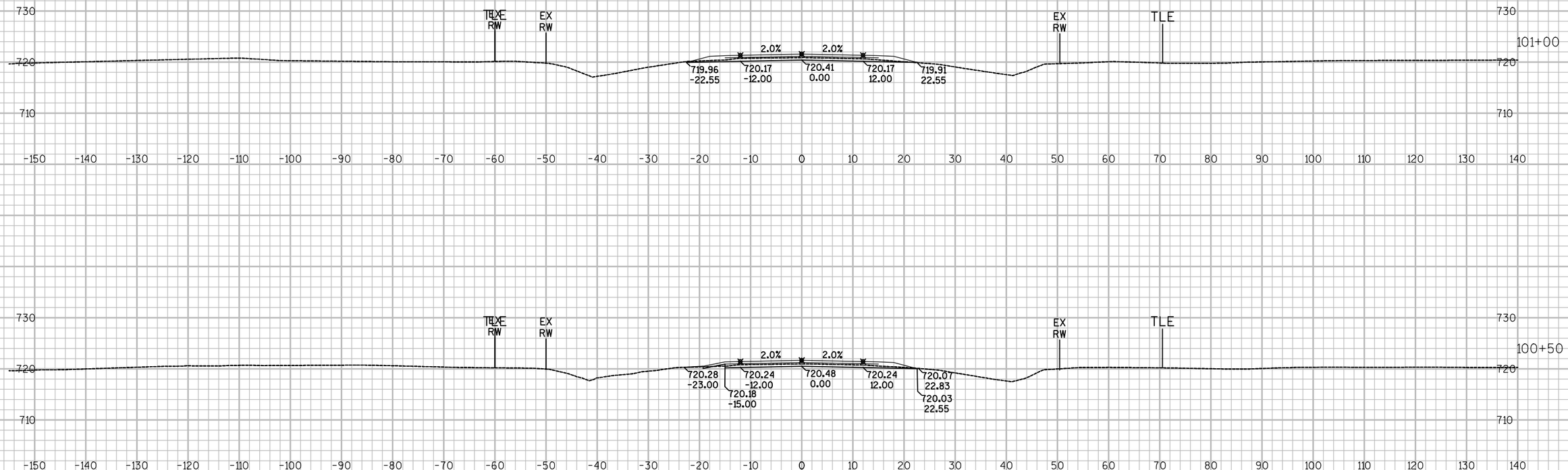






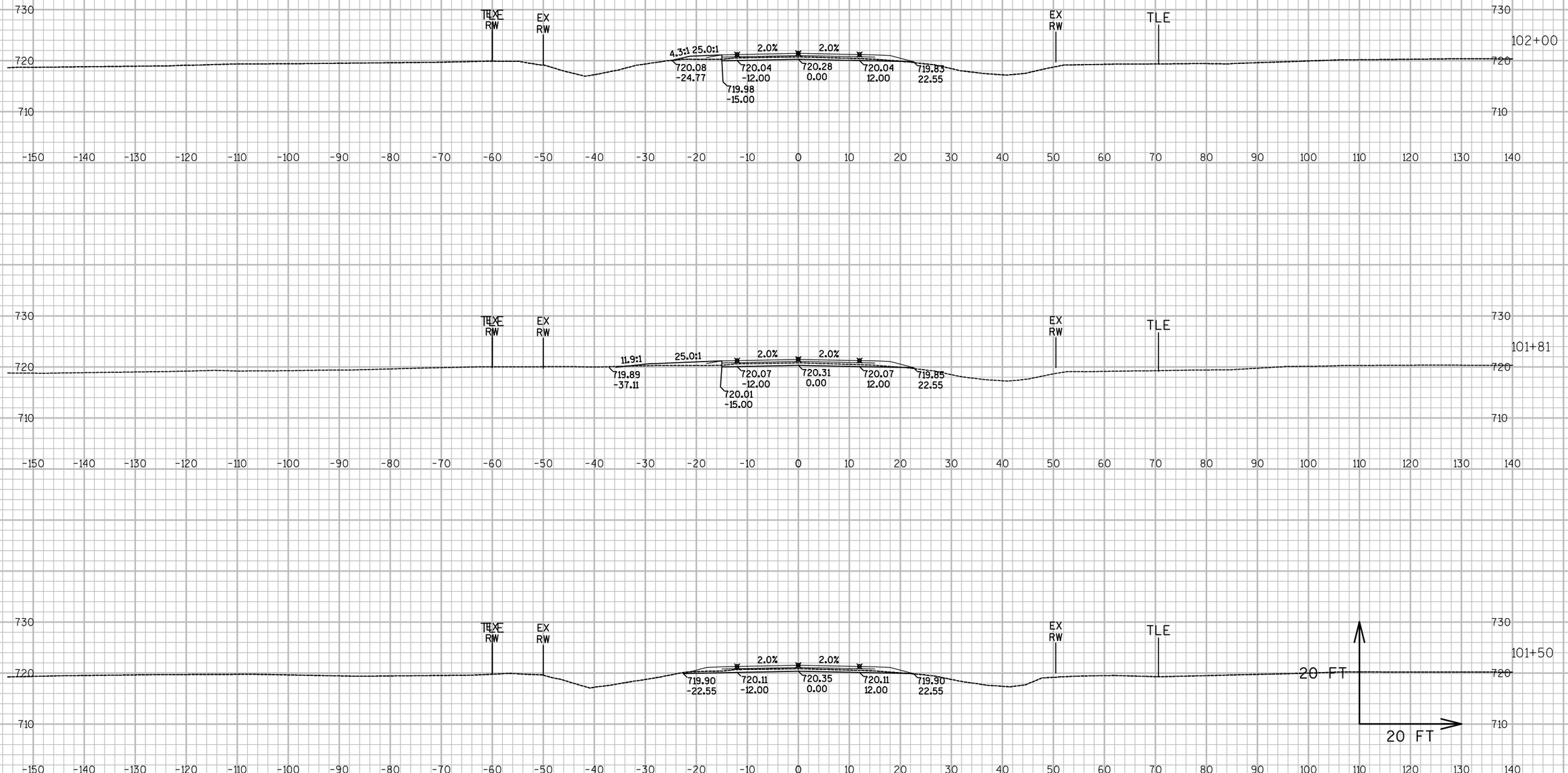
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 239	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (34)
PLOT DATE : 3/14/2016 12:01 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



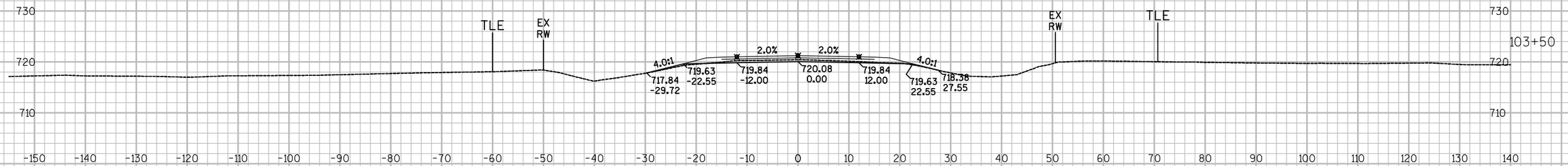
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 240	E

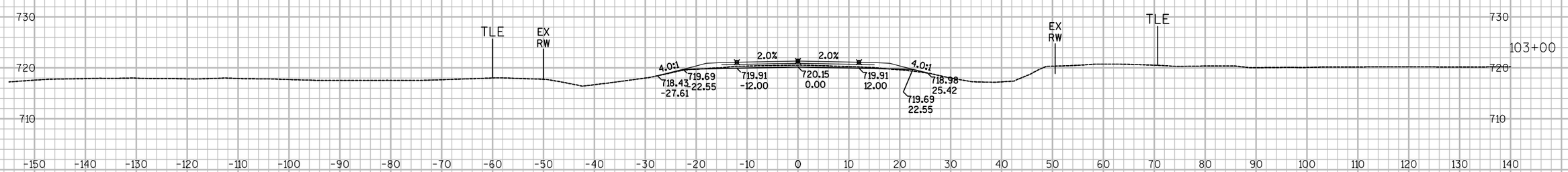
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (35)
PLOT DATE : 3/14/2016 12:02 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

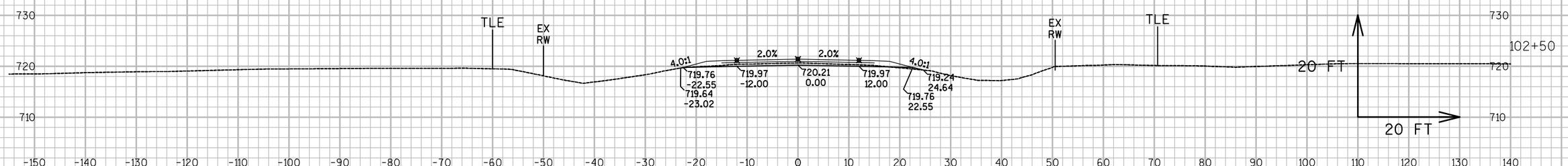


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 241	E

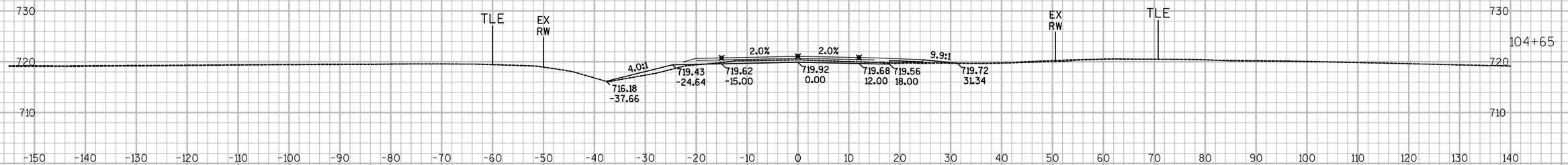
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (36)
PLOT DATE : 3/14/2016 12:02 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

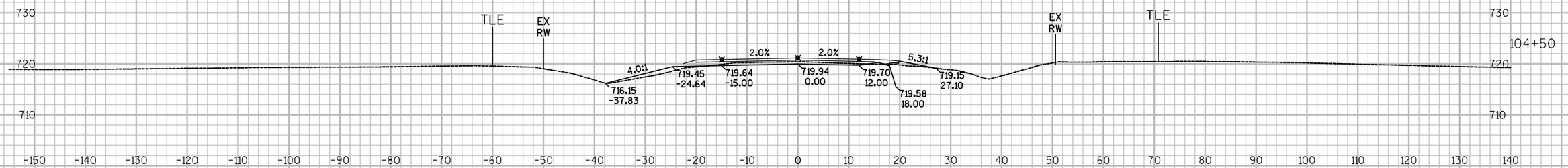


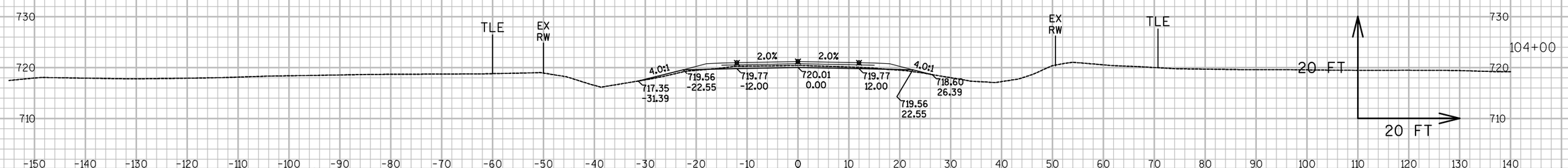




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 242	E

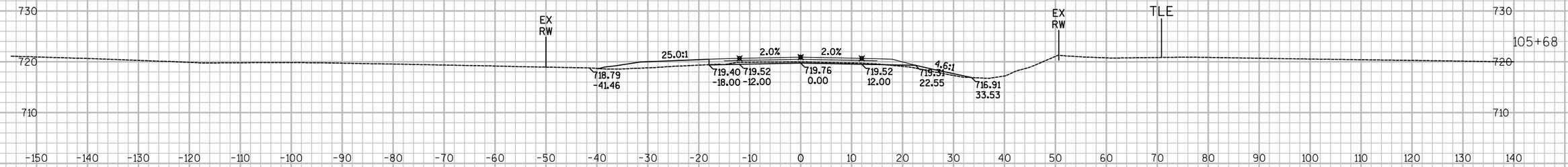


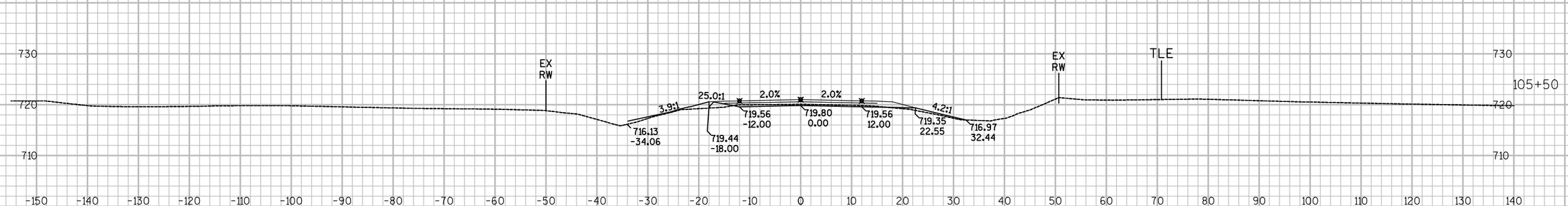




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 243	E

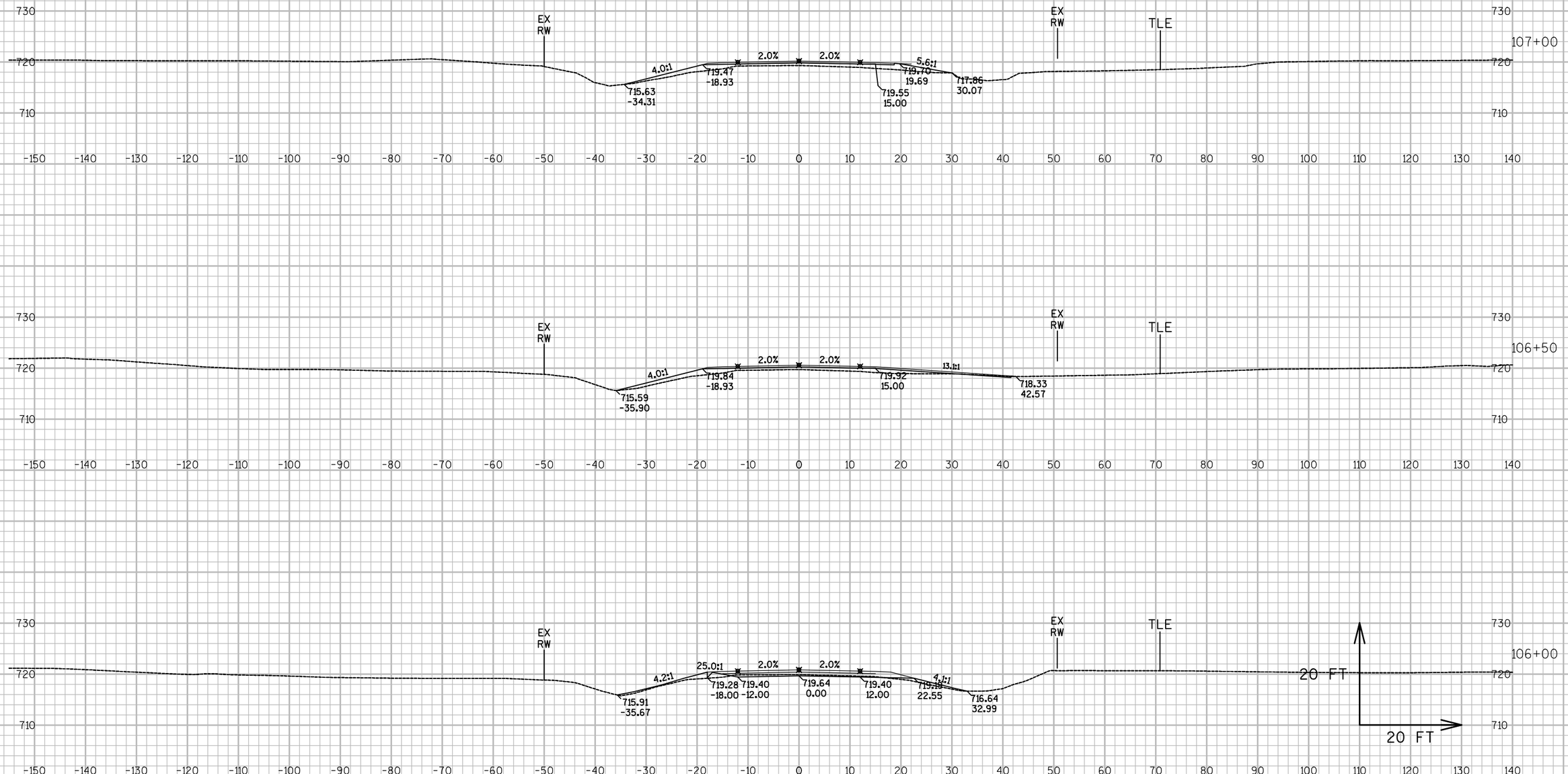
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (38)
PLOT DATE : 3/14/2016 12:04 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





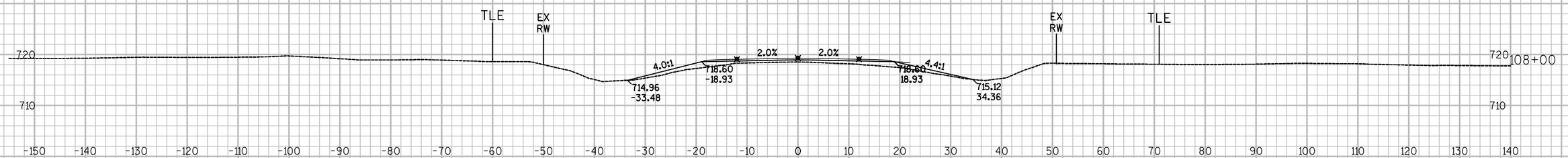


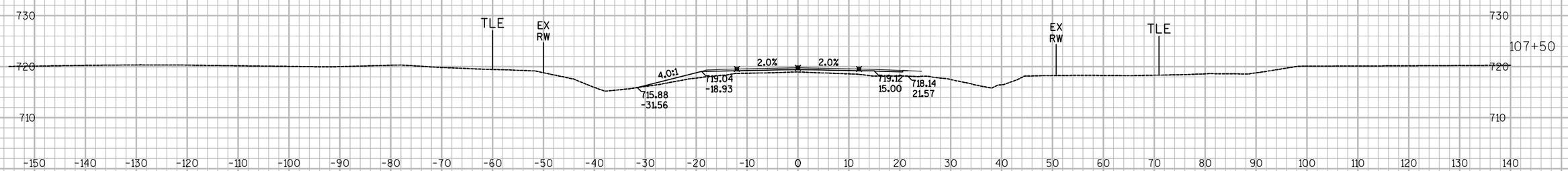
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 244	E

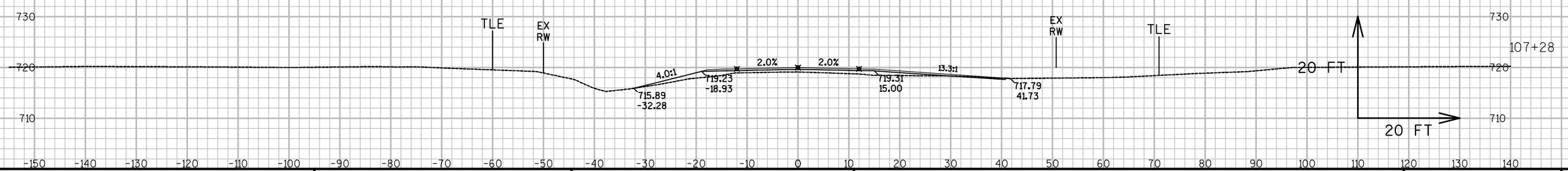


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 245	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (40)
PLOT DATE : 3/14/2016 12:05 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

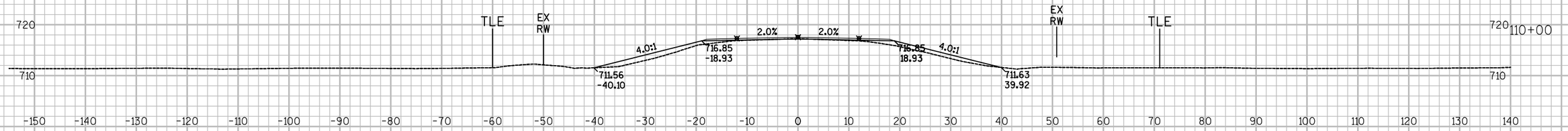




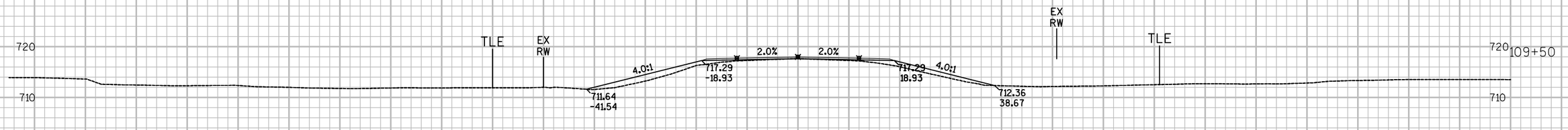


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 246	E

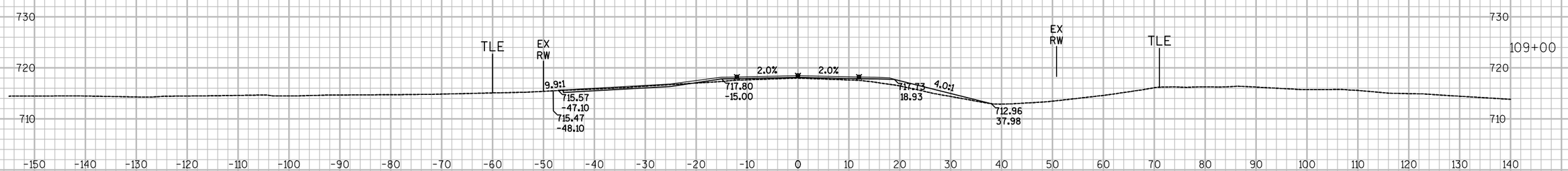
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (41)
PLOT DATE : 3/14/2016 12:06 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



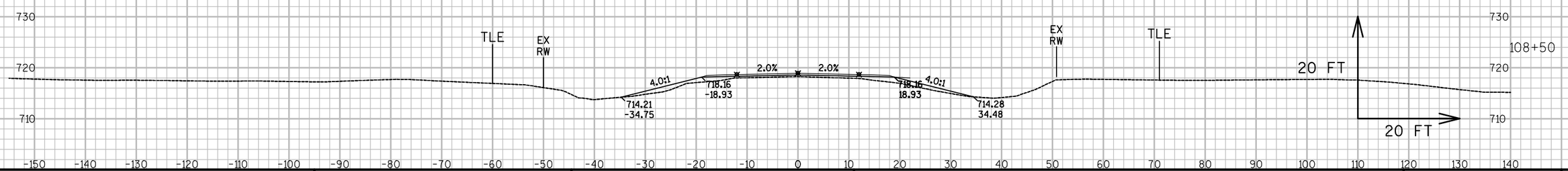
110+00



109+50

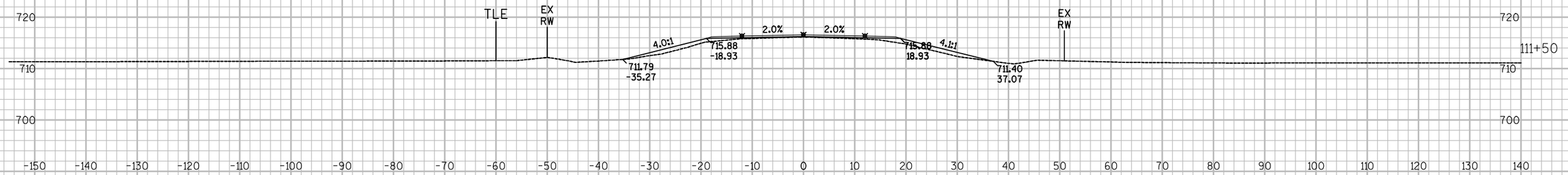


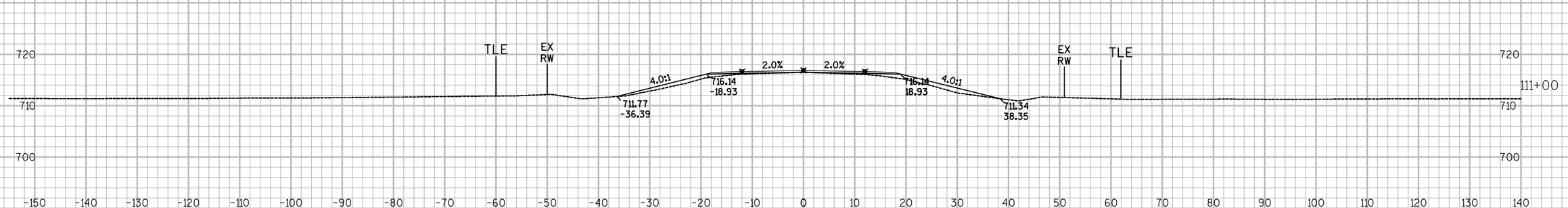
109+00

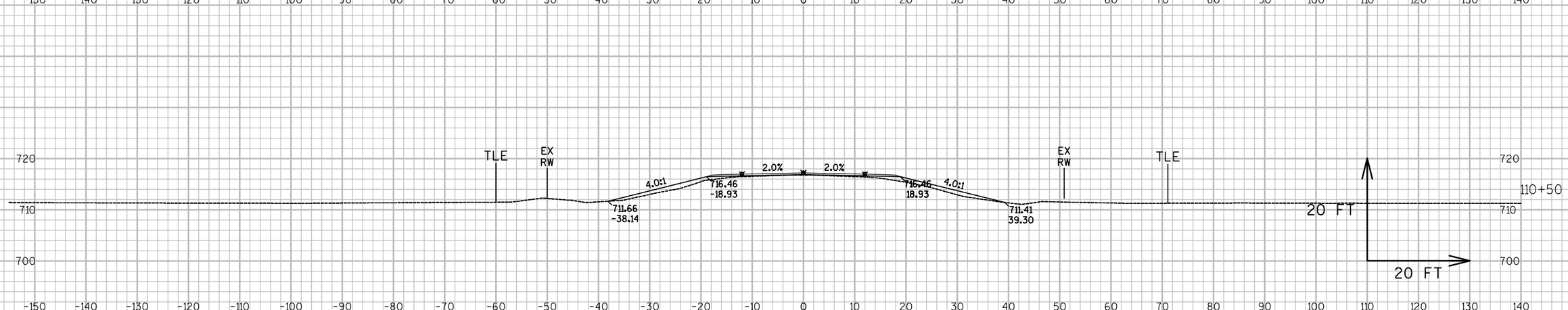


108+50

PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 247	E



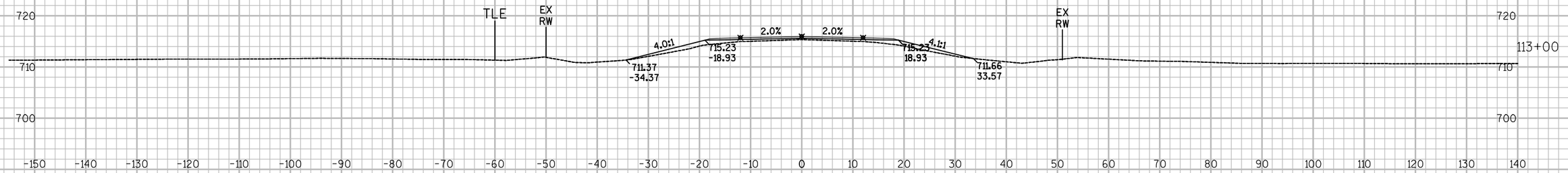


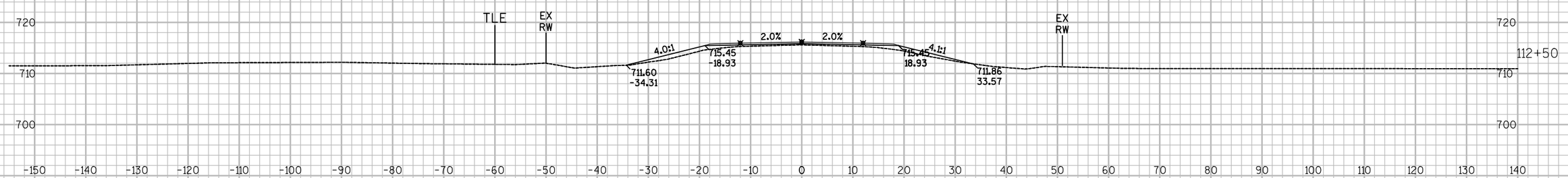


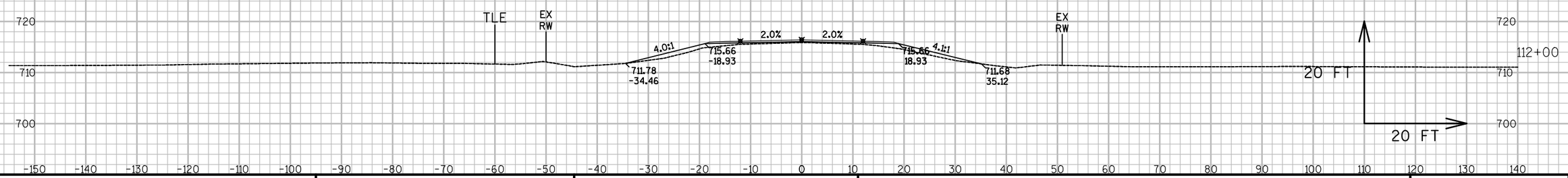
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 248	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (43)

PLOT DATE : 3/14/2016 12:07 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

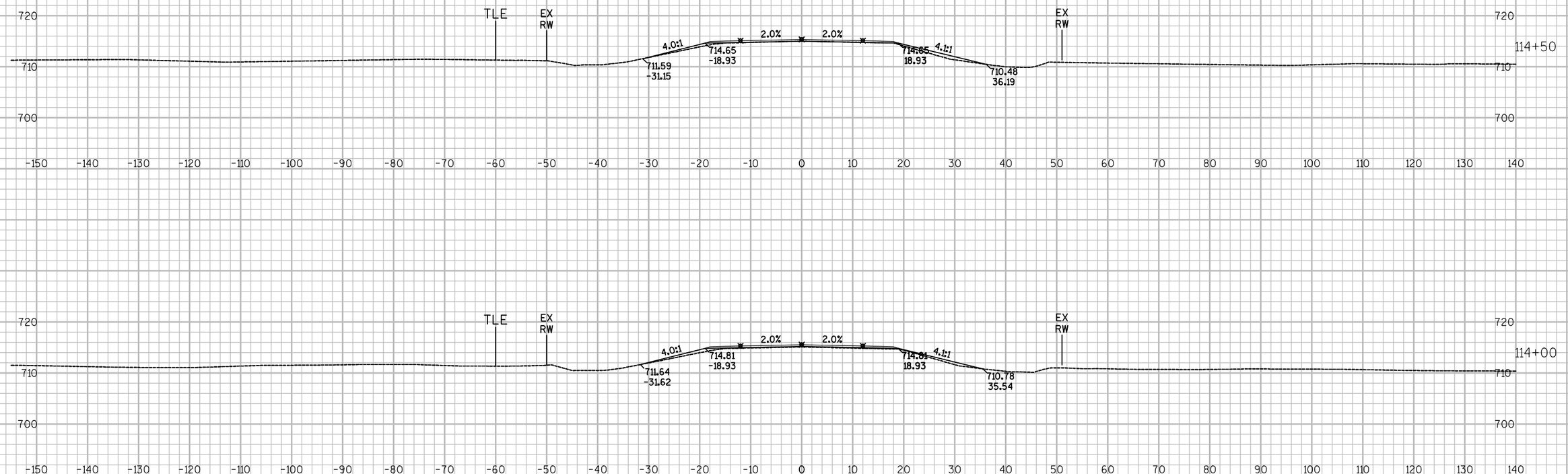


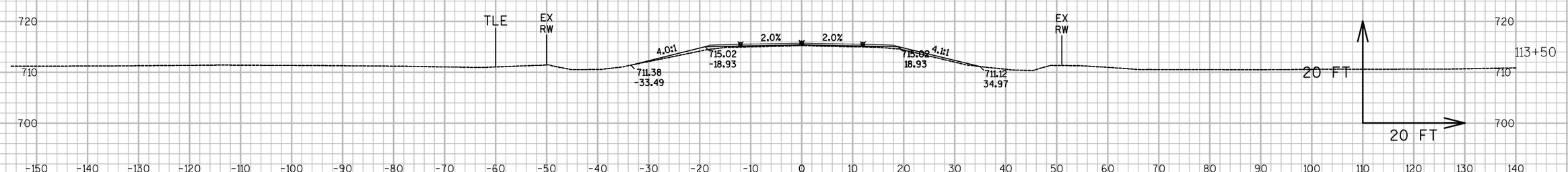




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 249	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (44)
PLOT DATE : 3/14/2016 12:08 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

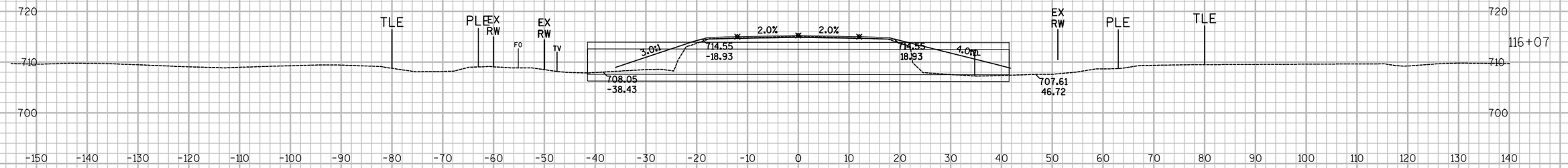


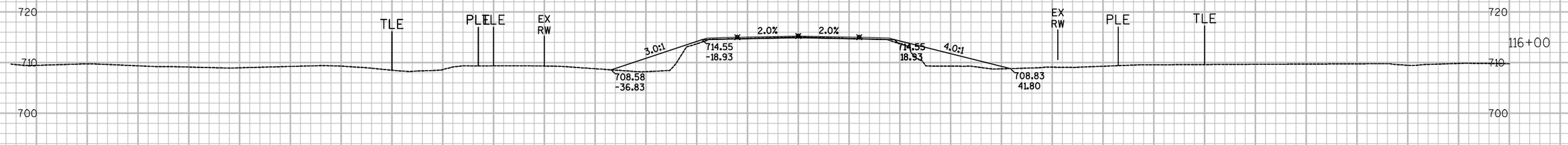


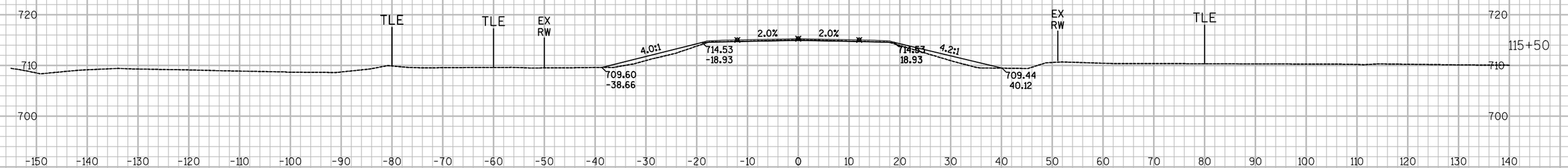
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 250	E

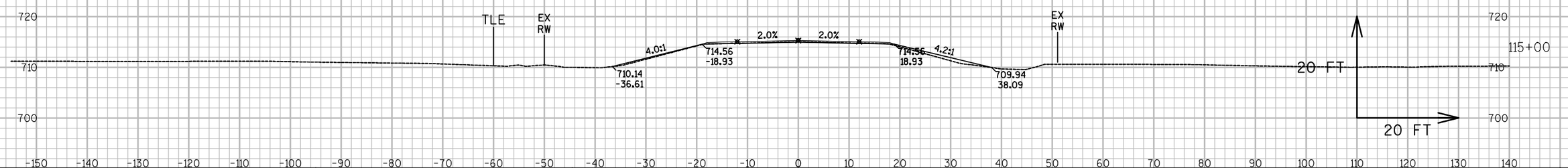
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (45)

PLOT DATE : 3/14/2016 12:09 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF



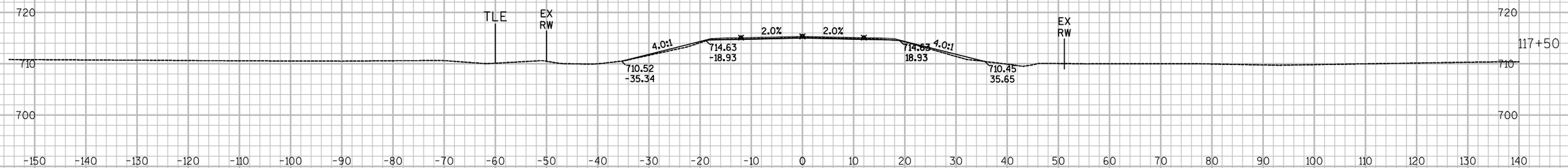


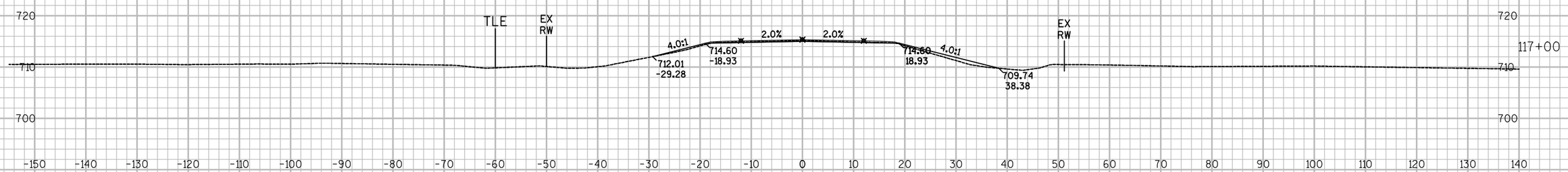


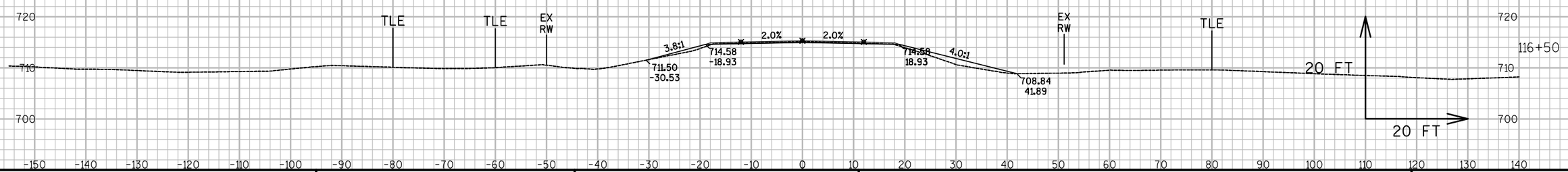


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 251	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (46)
PLOT DATE : 3/14/2016 12:09 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





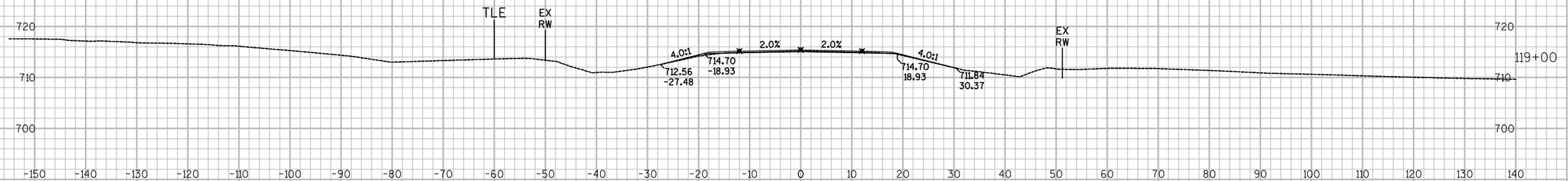


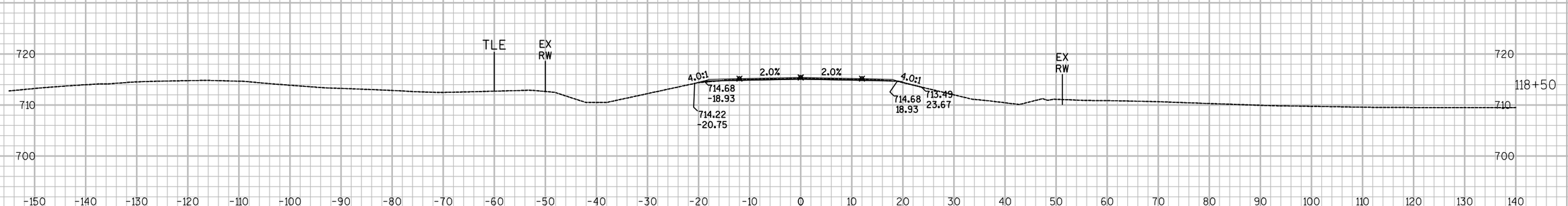
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 252	E

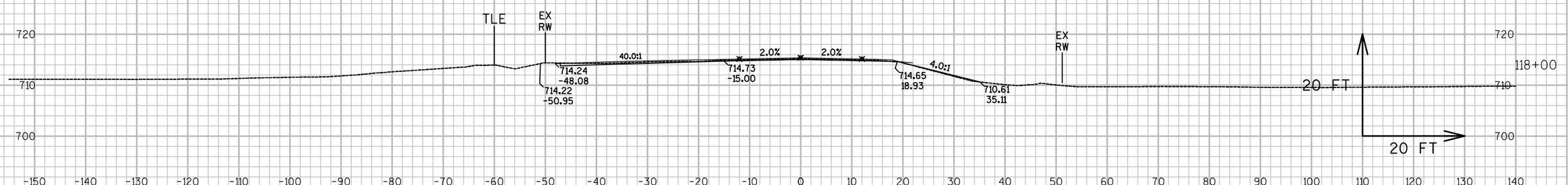
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (47)

PLOT DATE : 3/14/2016 12:10 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



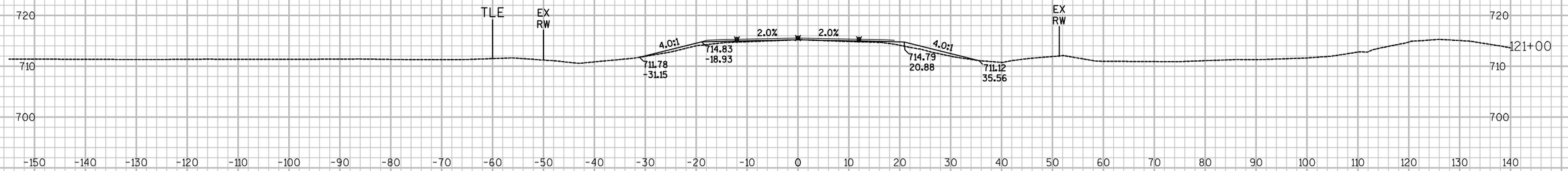


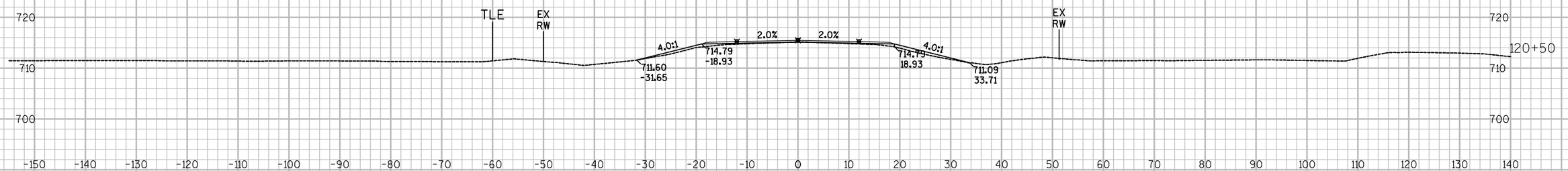


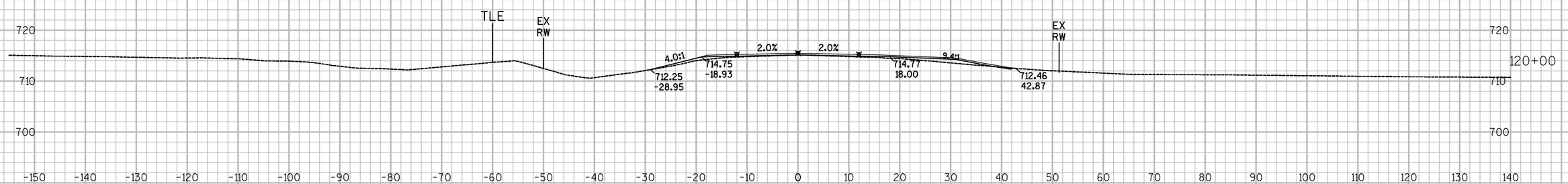
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 253	E

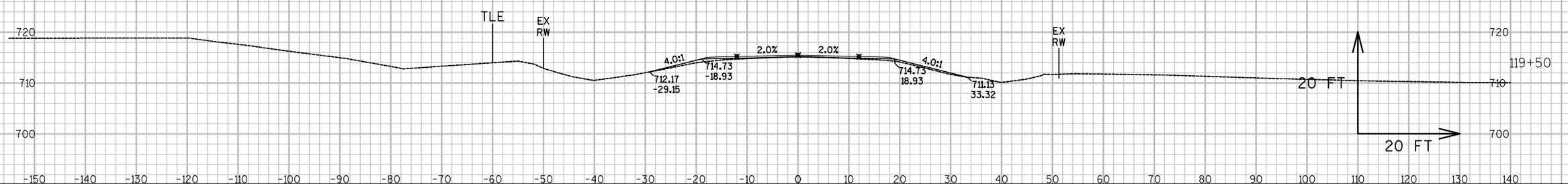
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (48)

PLOT DATE : 3/14/2016 12:11 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF



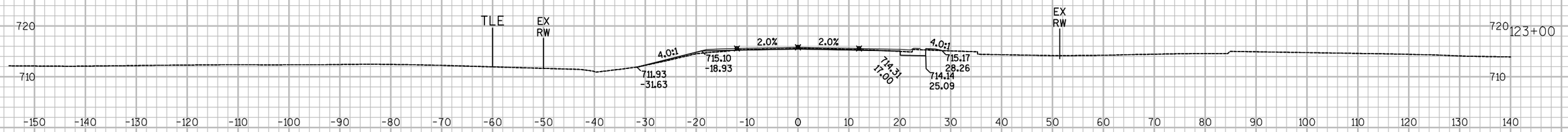


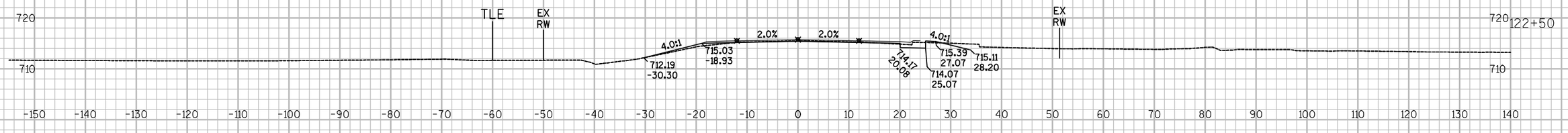


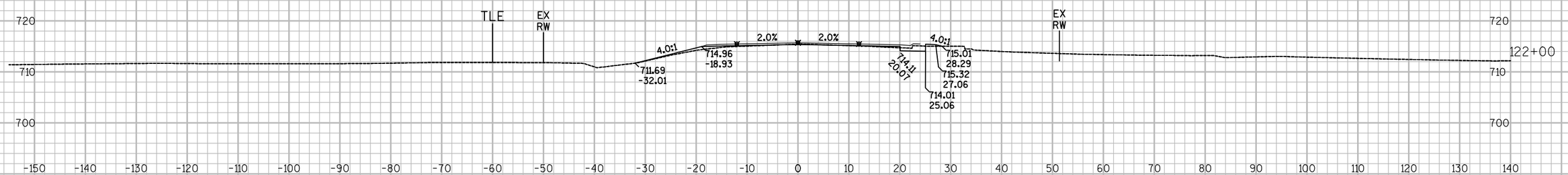


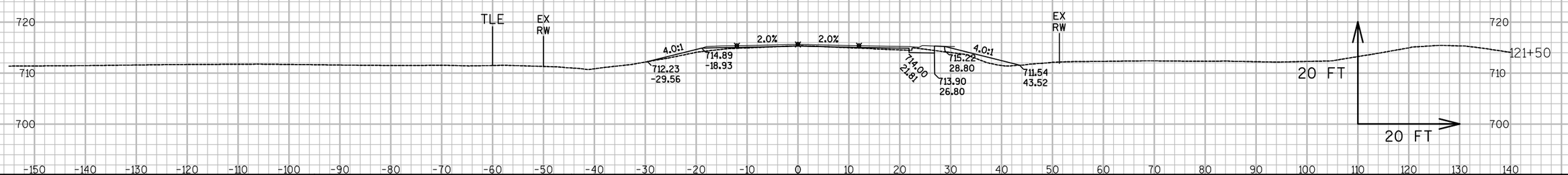
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 254	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (49)
PLOT DATE : 3/14/2016 12:11 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



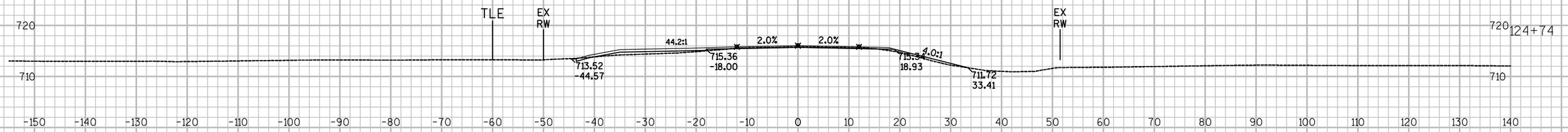


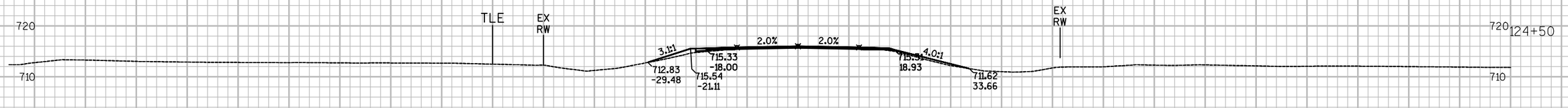


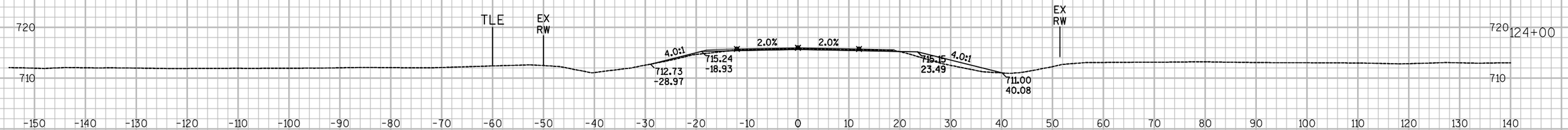


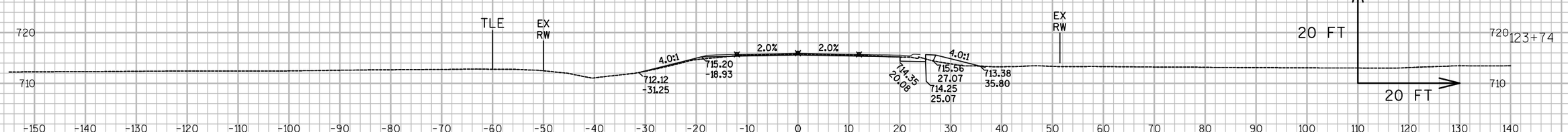
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 255	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (50)
PLOT DATE : 3/14/2016 12:12 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

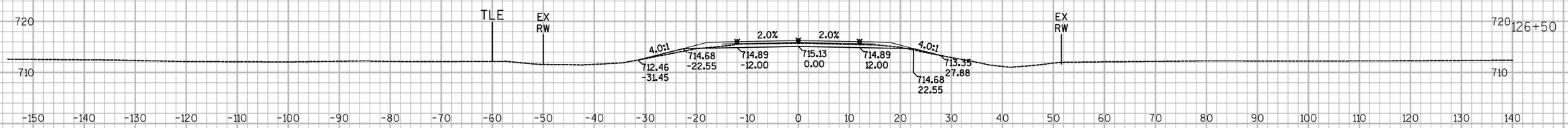


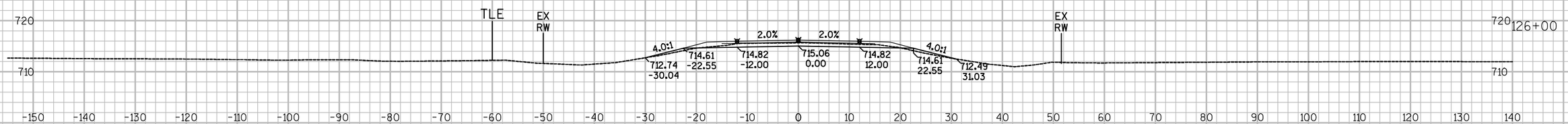


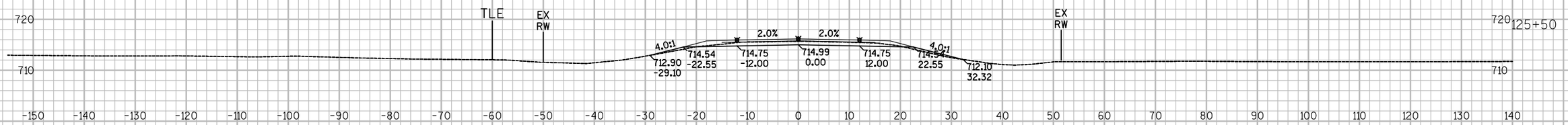


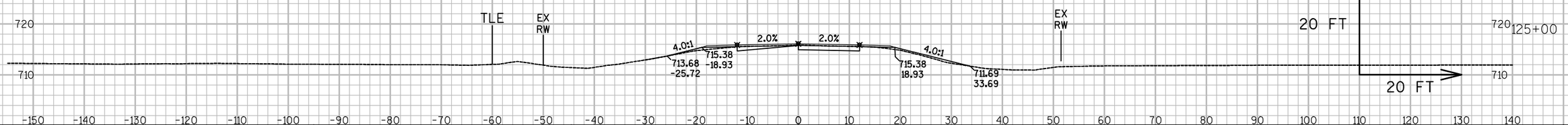


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 256 E

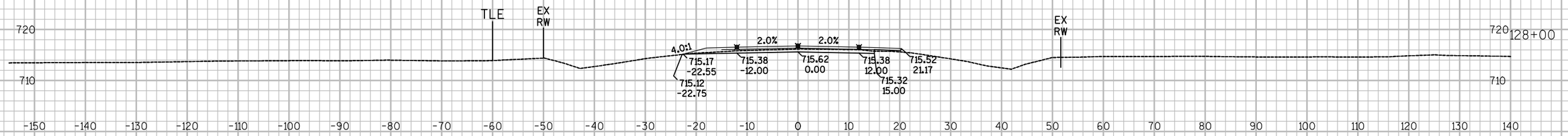


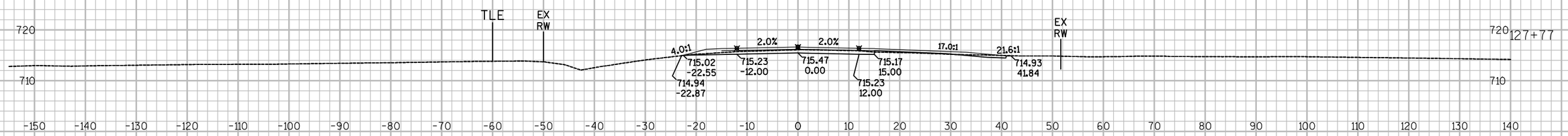


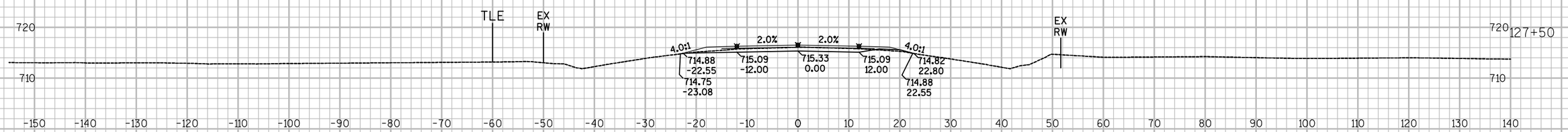


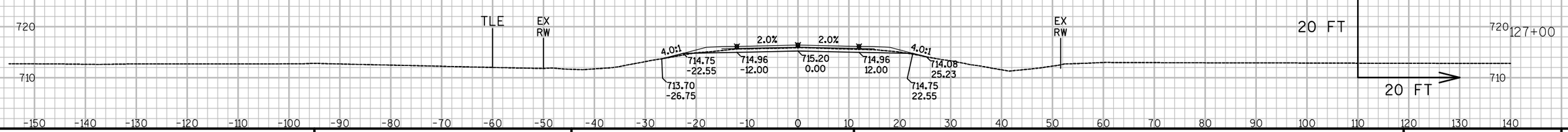


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 257	E



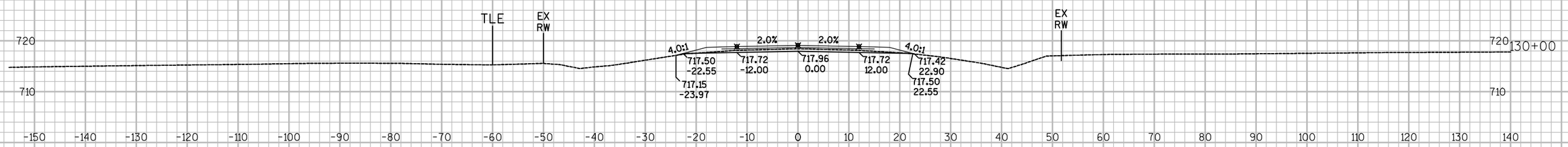


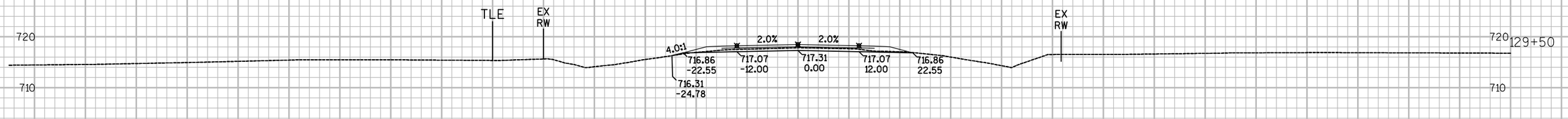


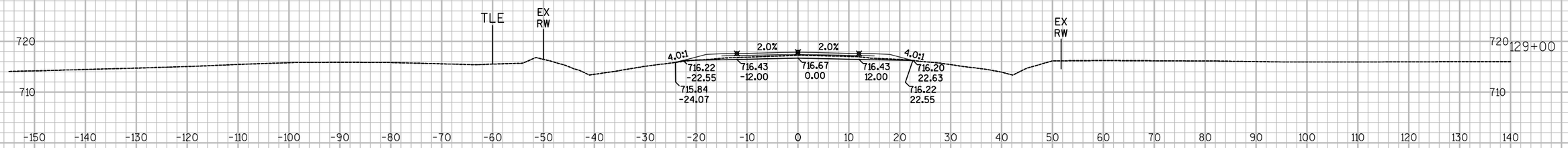


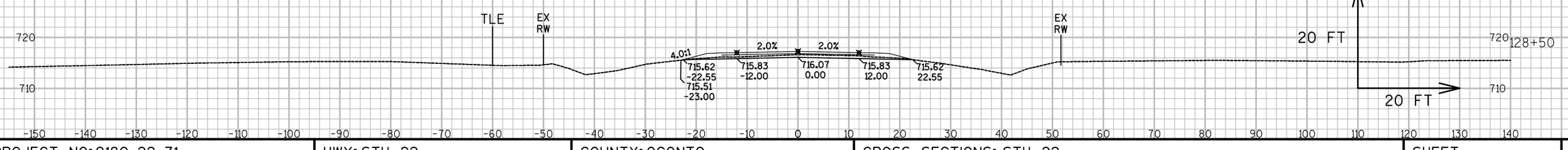
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 258	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (53)
PLOT DATE : 3/14/2016 12:14 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

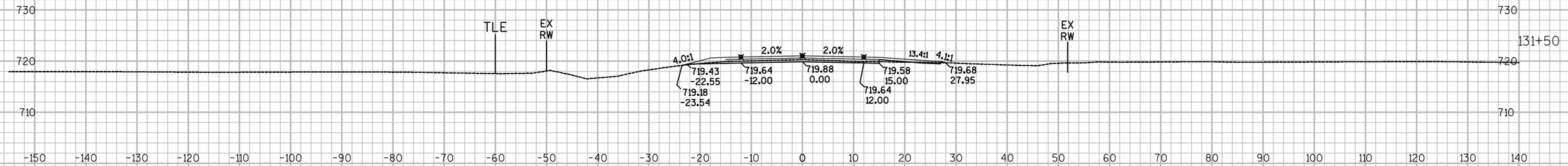


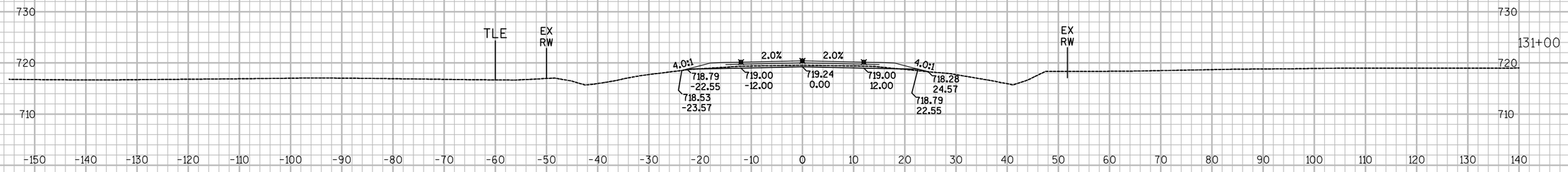


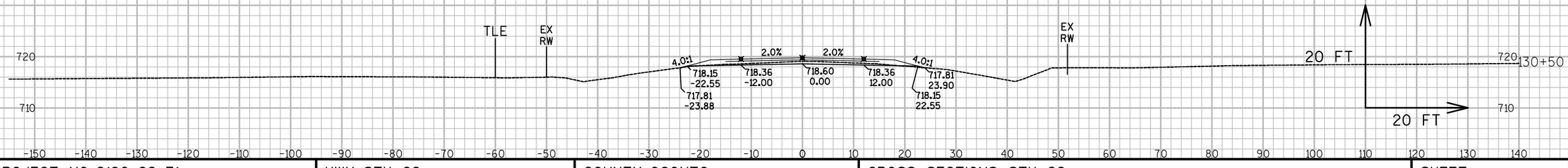




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 259	E





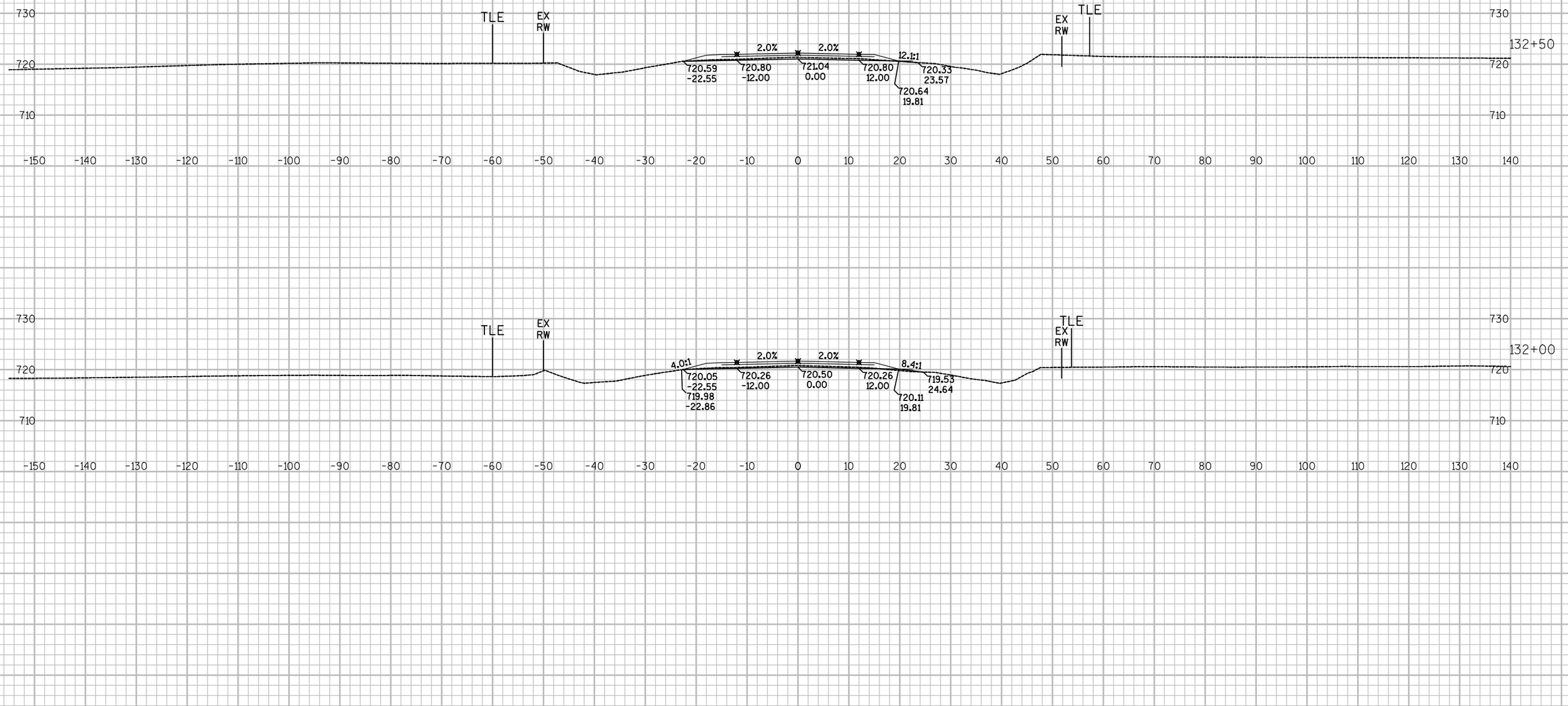


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 260	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (55)

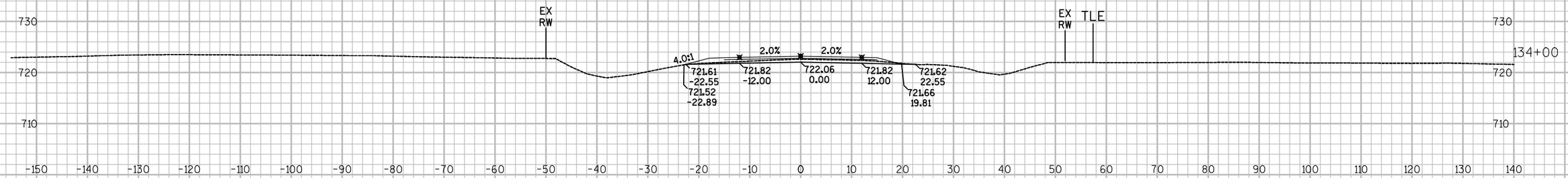
PLOT DATE : 3/14/2016 12:16 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

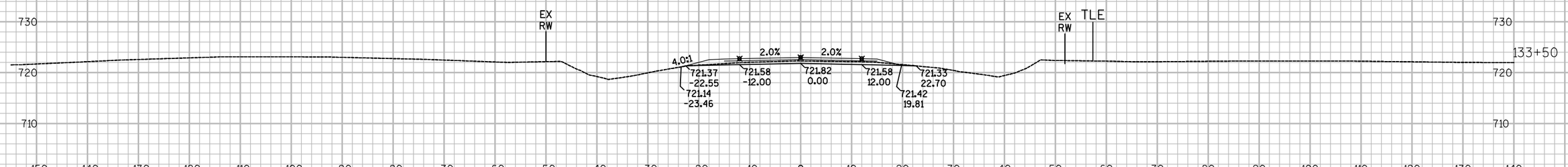
WISDOT/CADDS SHEET 49

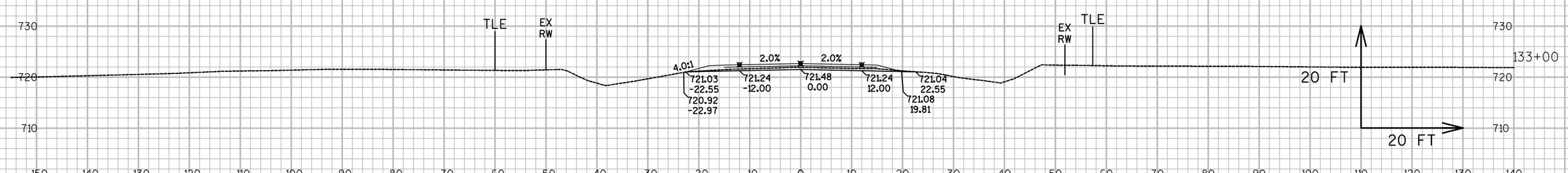


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 261	E

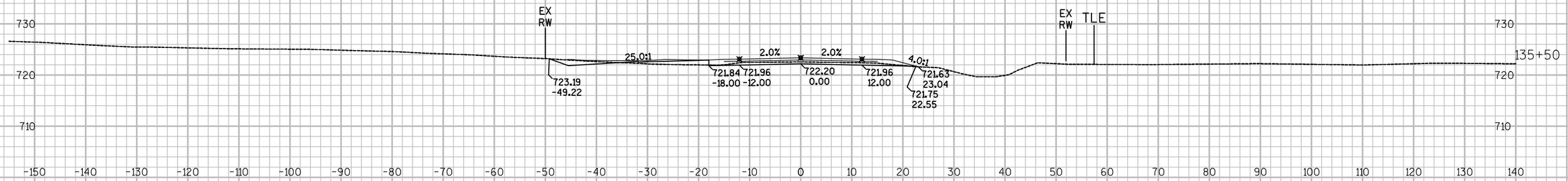
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (56)
PLOT DATE : 3/14/2016 12:16 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

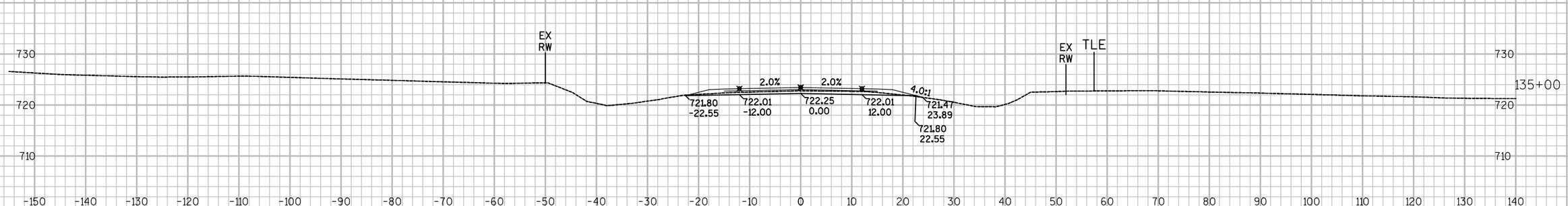


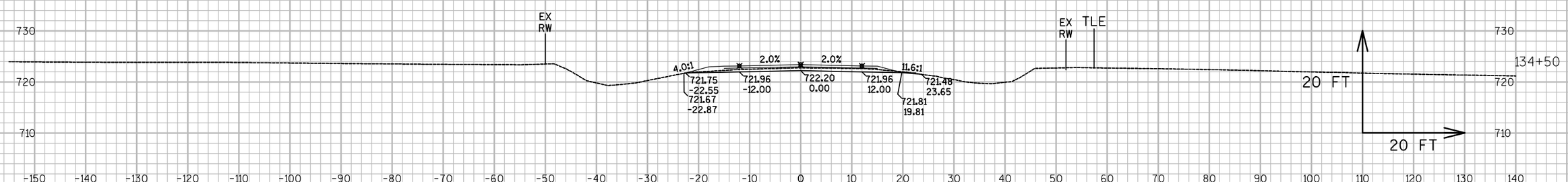




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 262	E

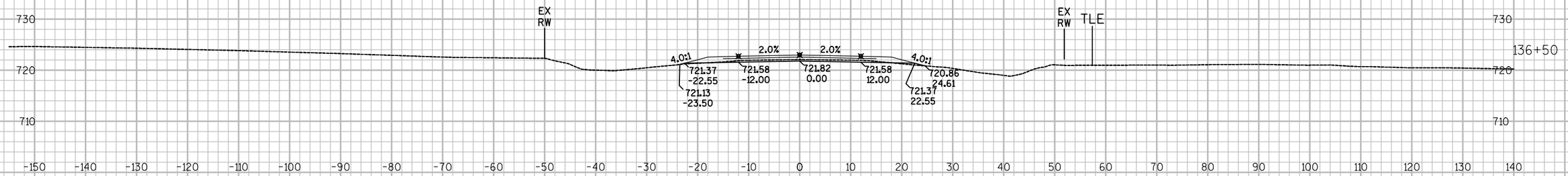


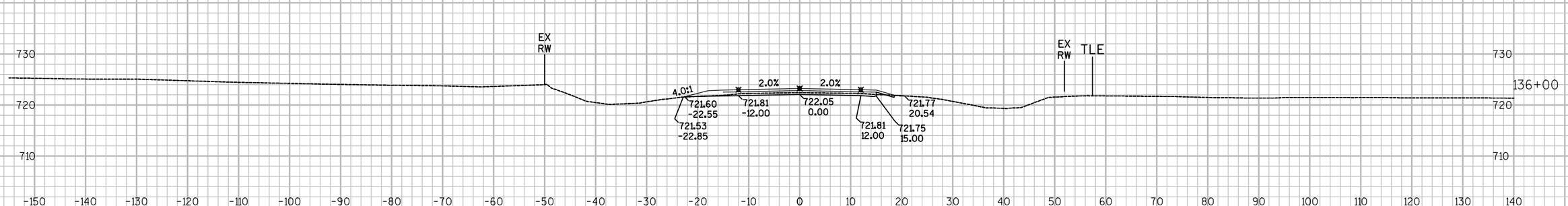


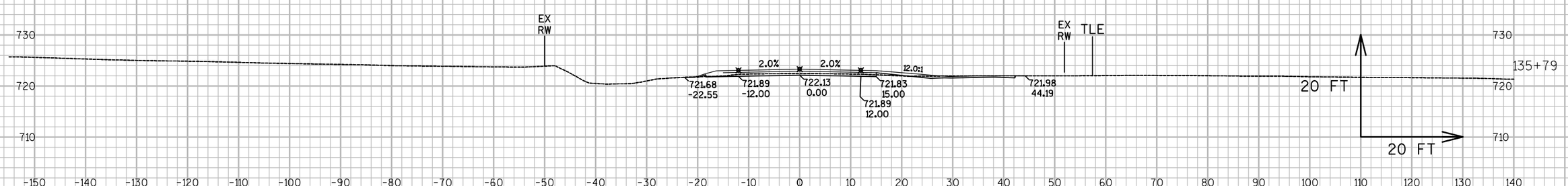


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 263	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (58)
PLOT DATE : 3/14/2016 12:18 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

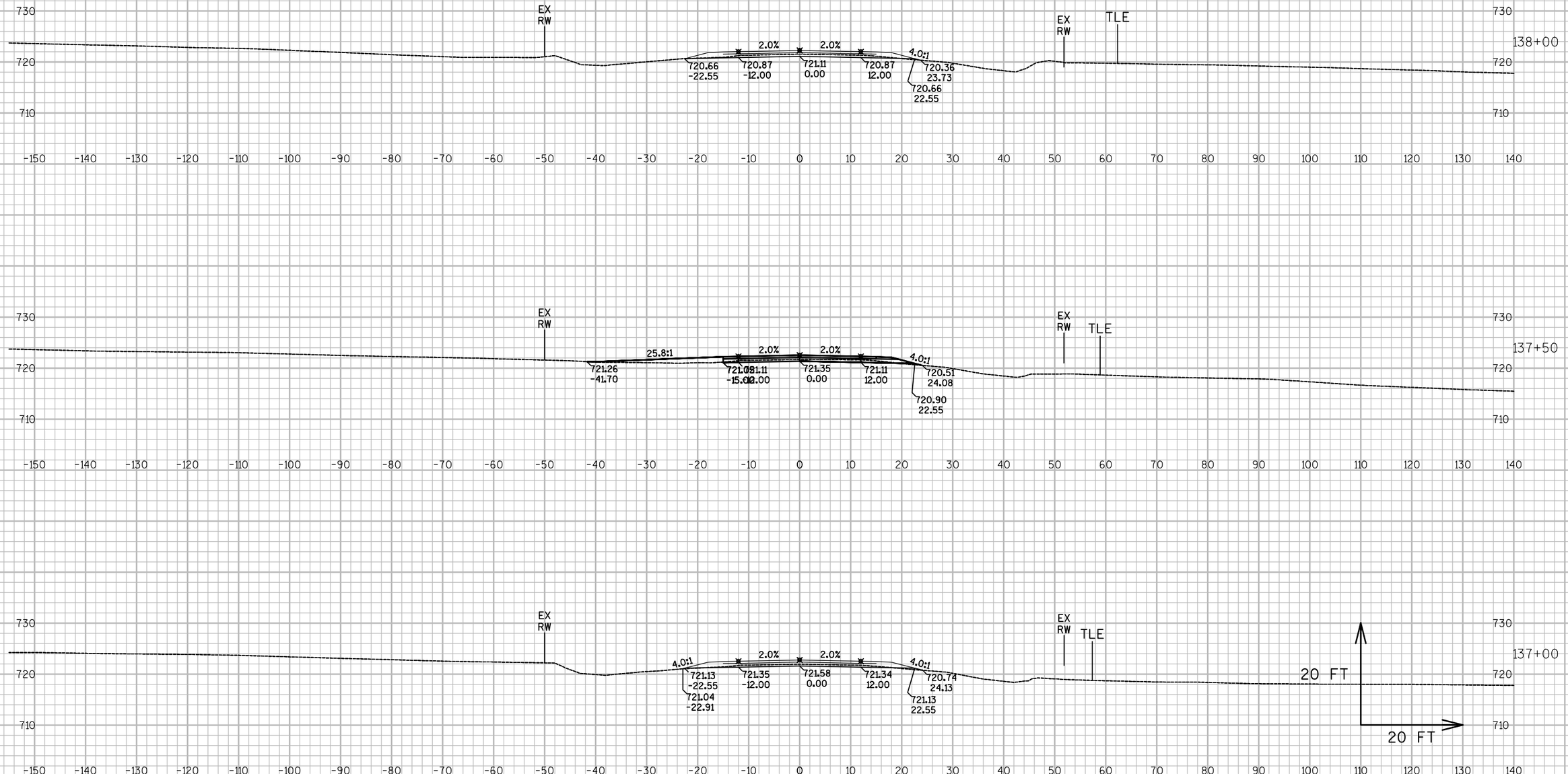




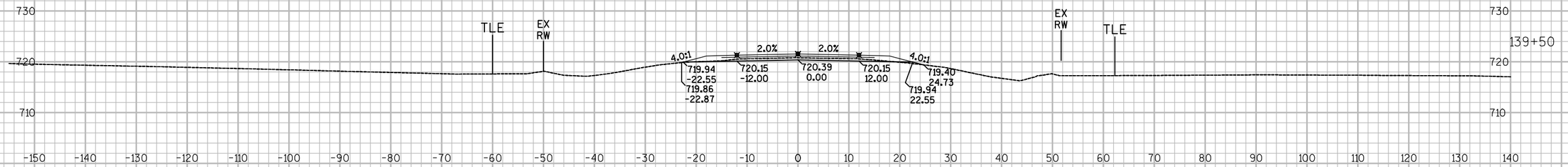


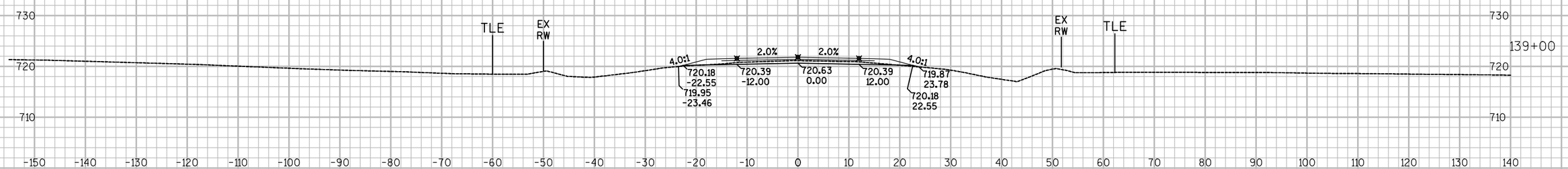
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 264	E

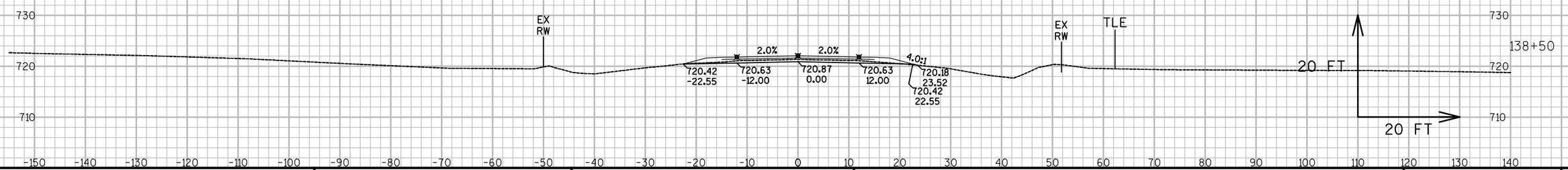
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (59)
PLOT DATE : 3/14/2016 12:18 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



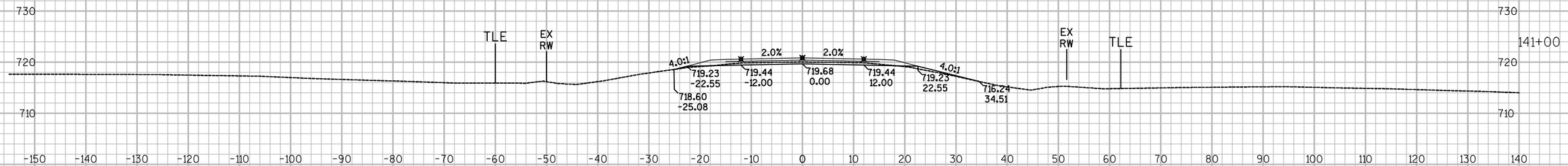
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 265	E

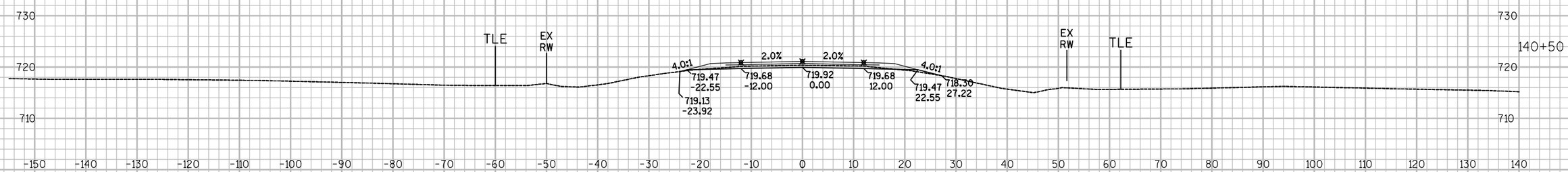


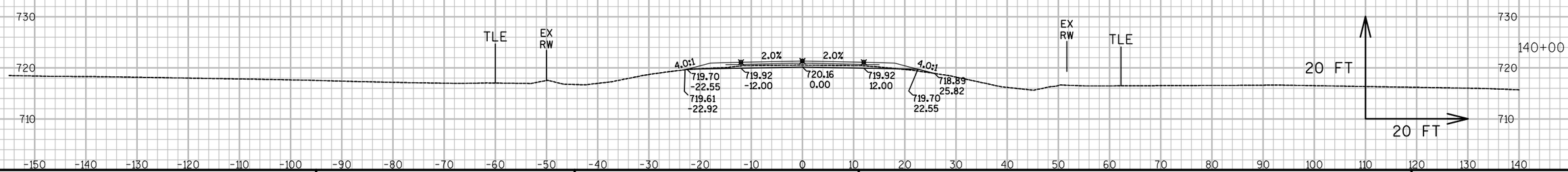




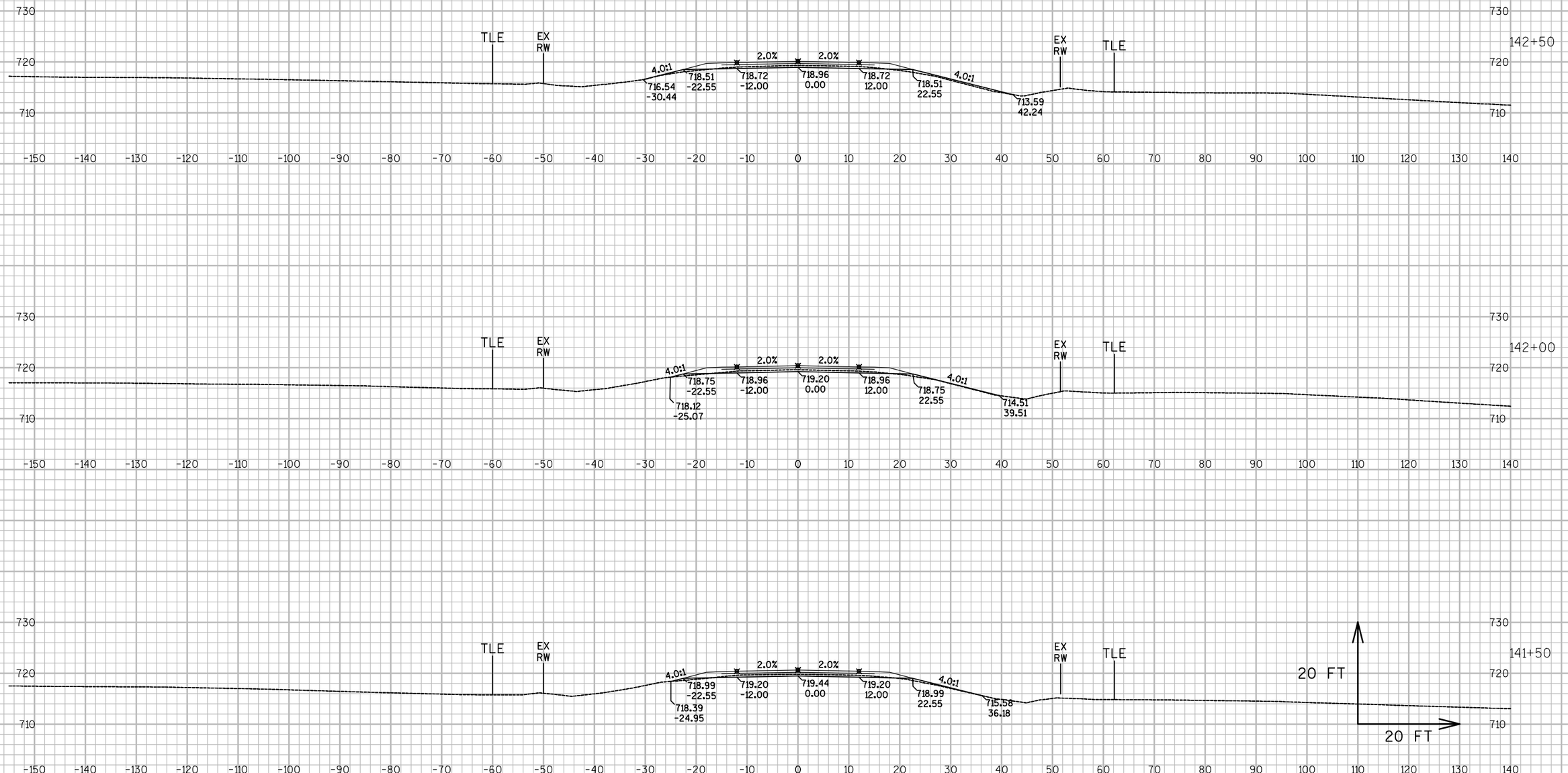
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 266	E







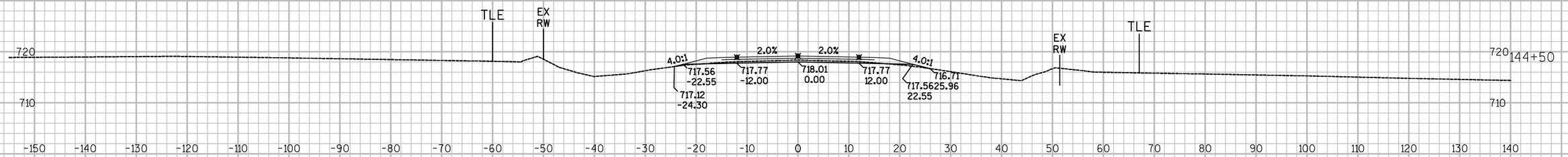
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 267	E

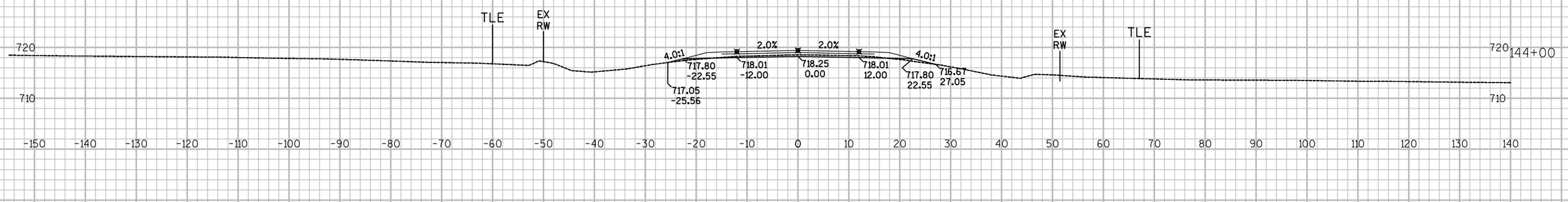


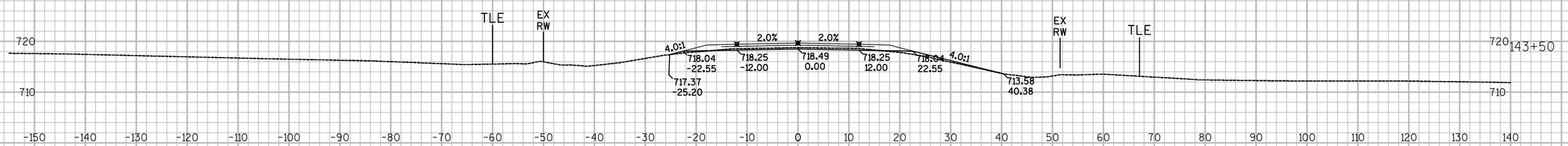
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 268	E

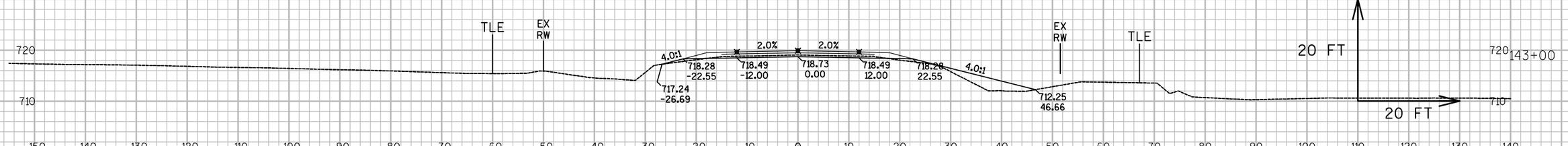
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (63)

PLOT DATE : 3/14/2016 12:21 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

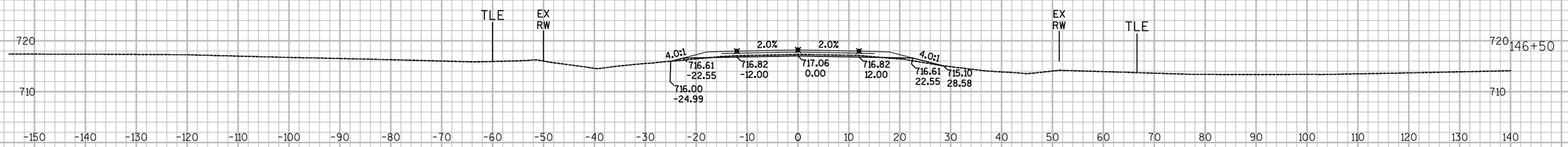


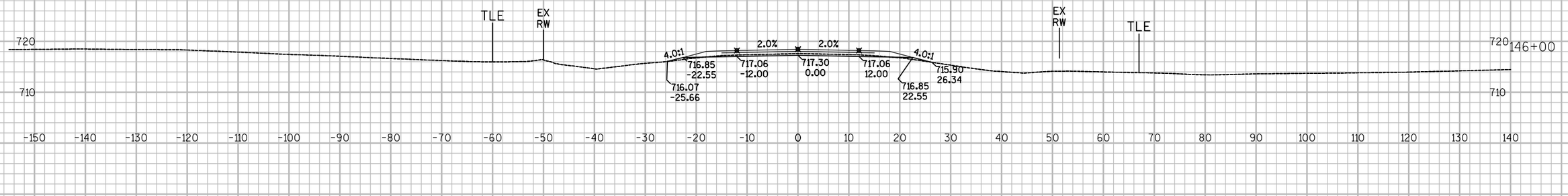


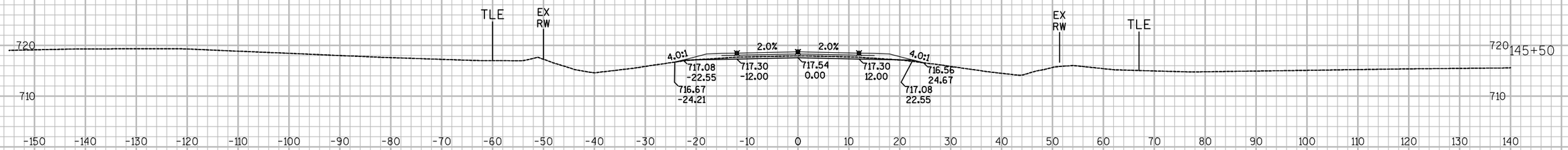


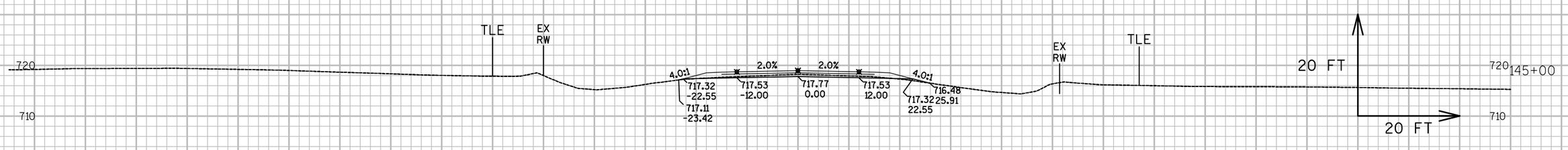


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 269 E

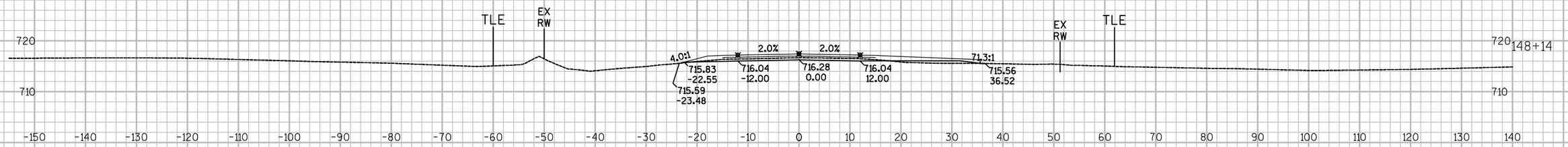


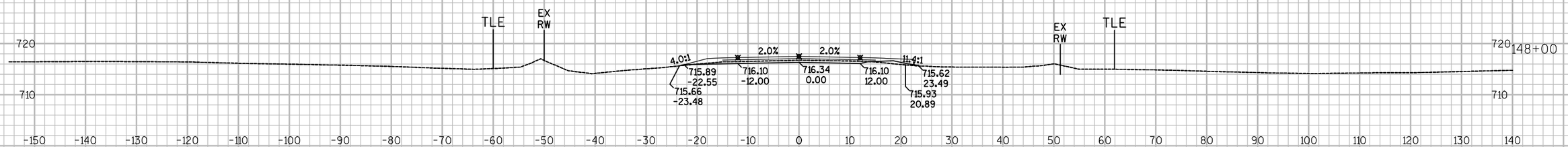


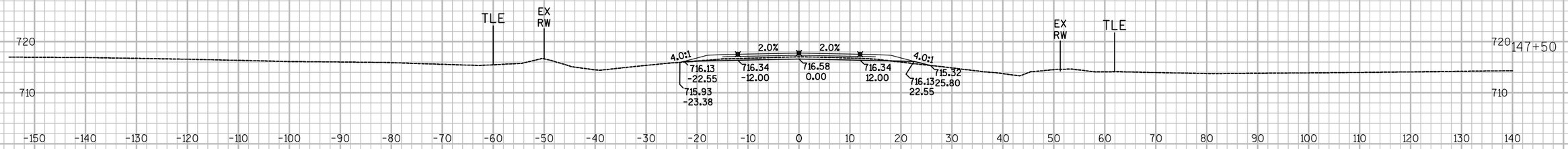


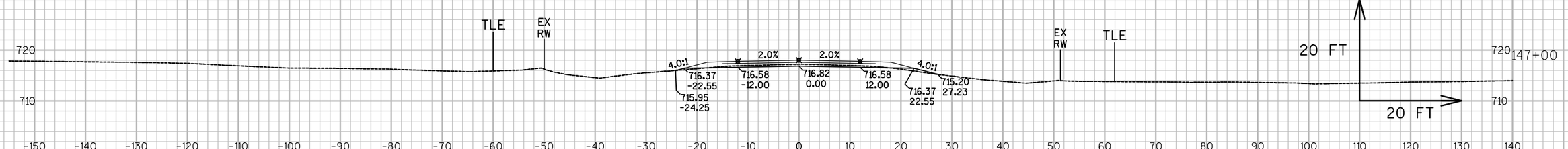


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 270 E



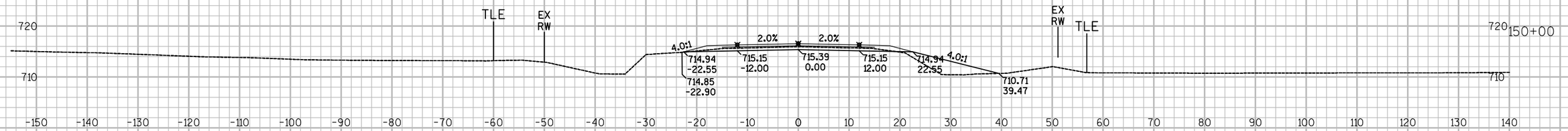


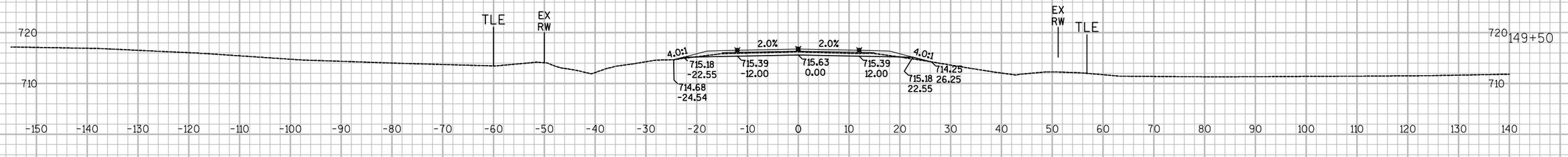


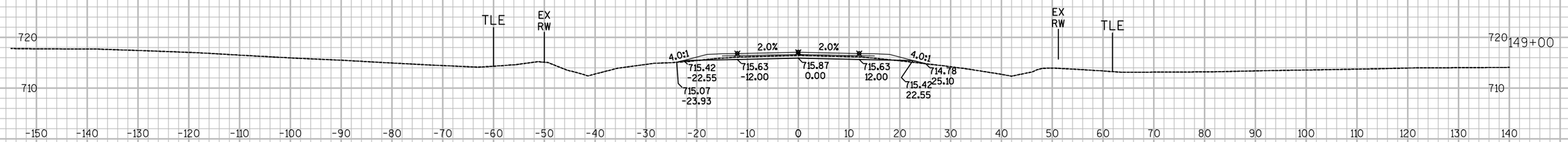


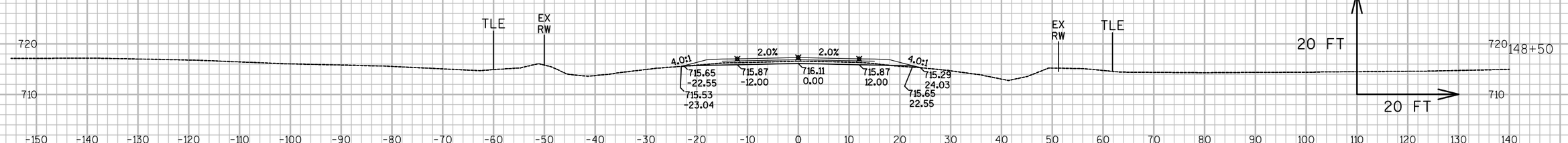
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 271 E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (66)
PLOT DATE : 3/14/2016 12:23 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

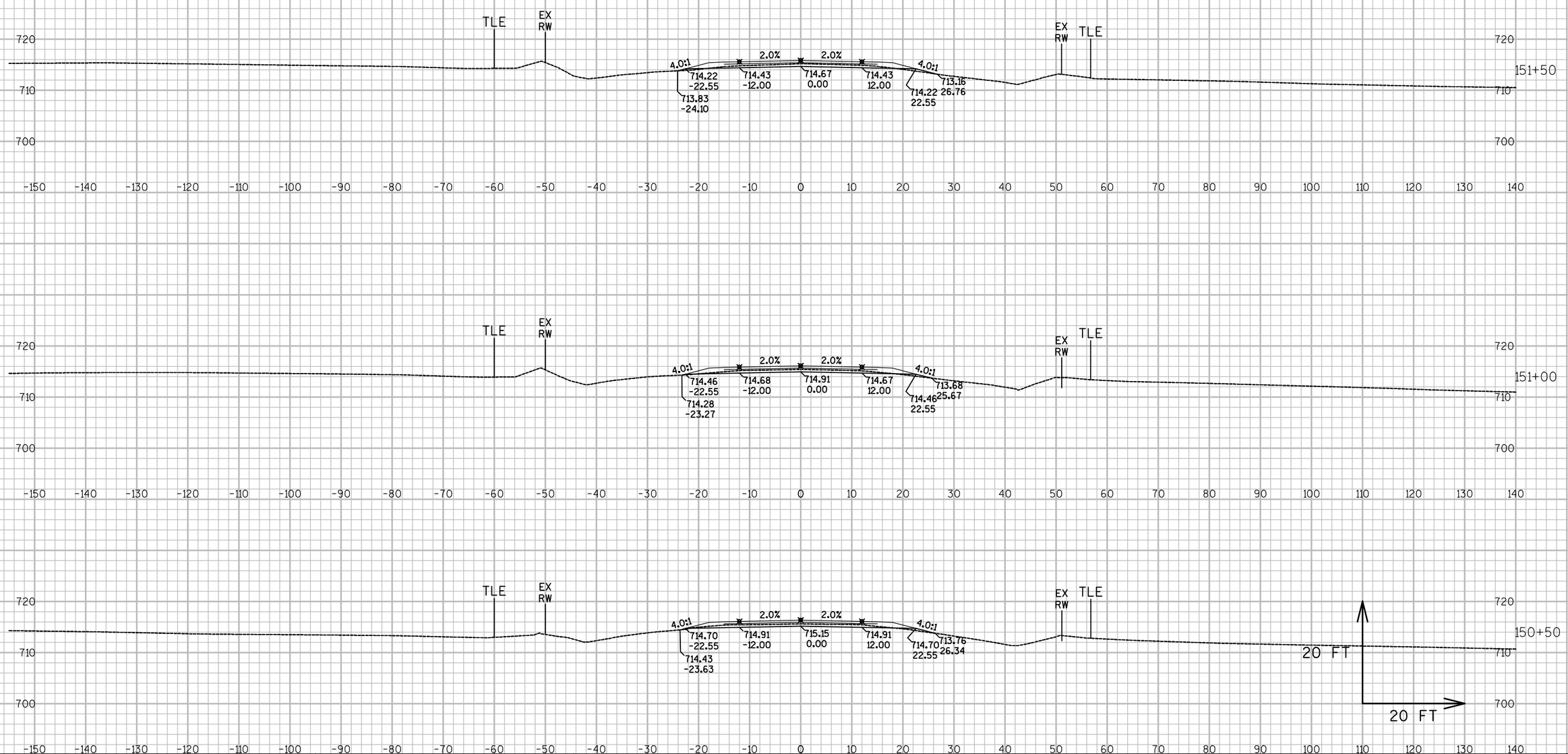






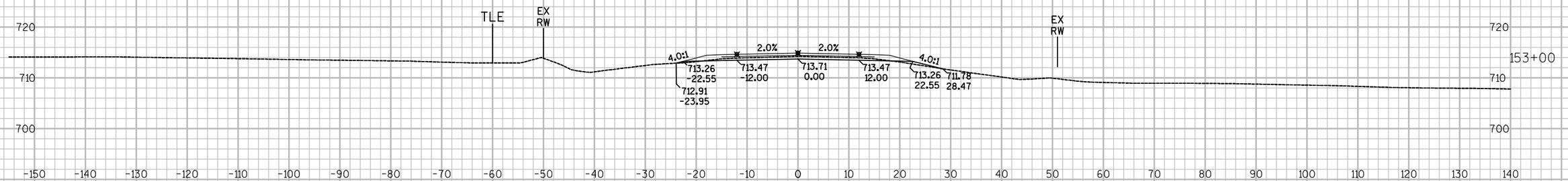


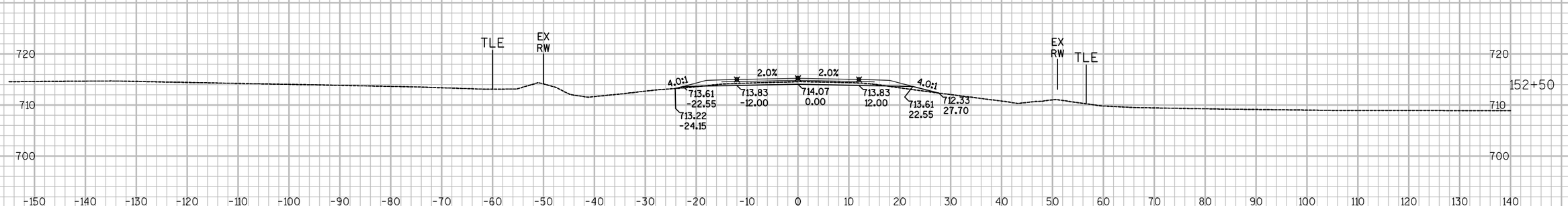
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 272	E

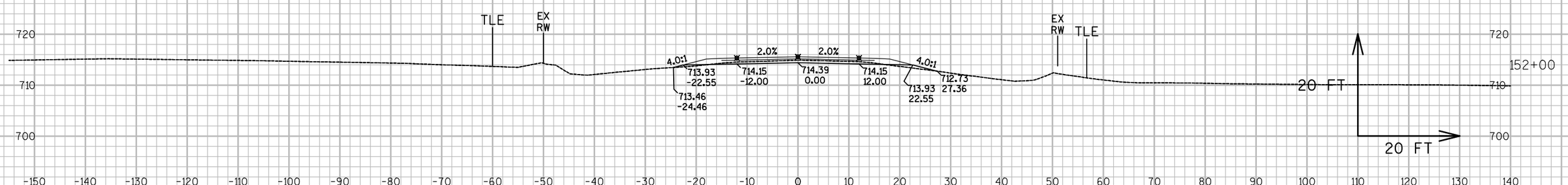


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 273	E

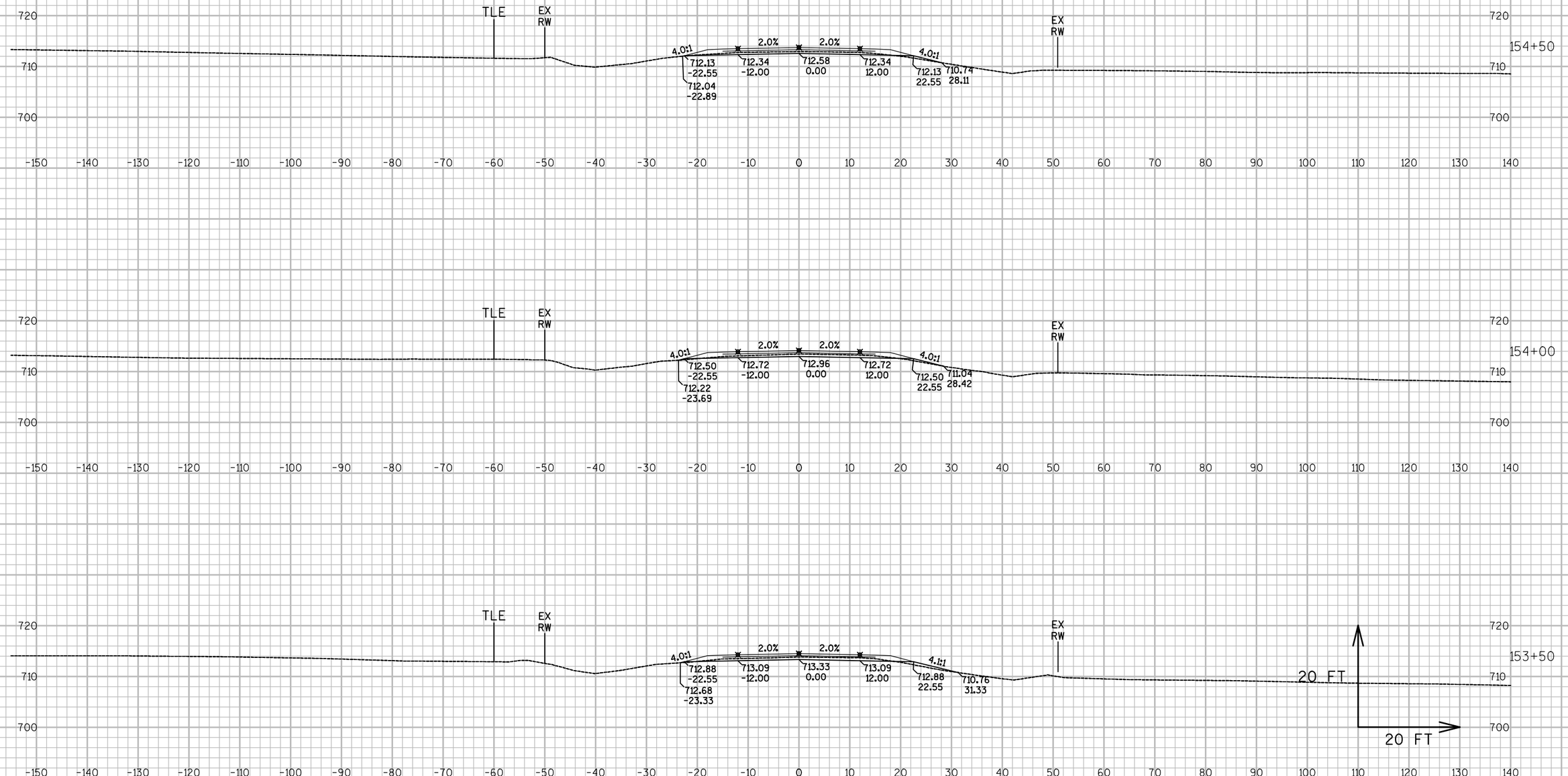
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (68)
PLOT DATE : 3/14/2016 12:25 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





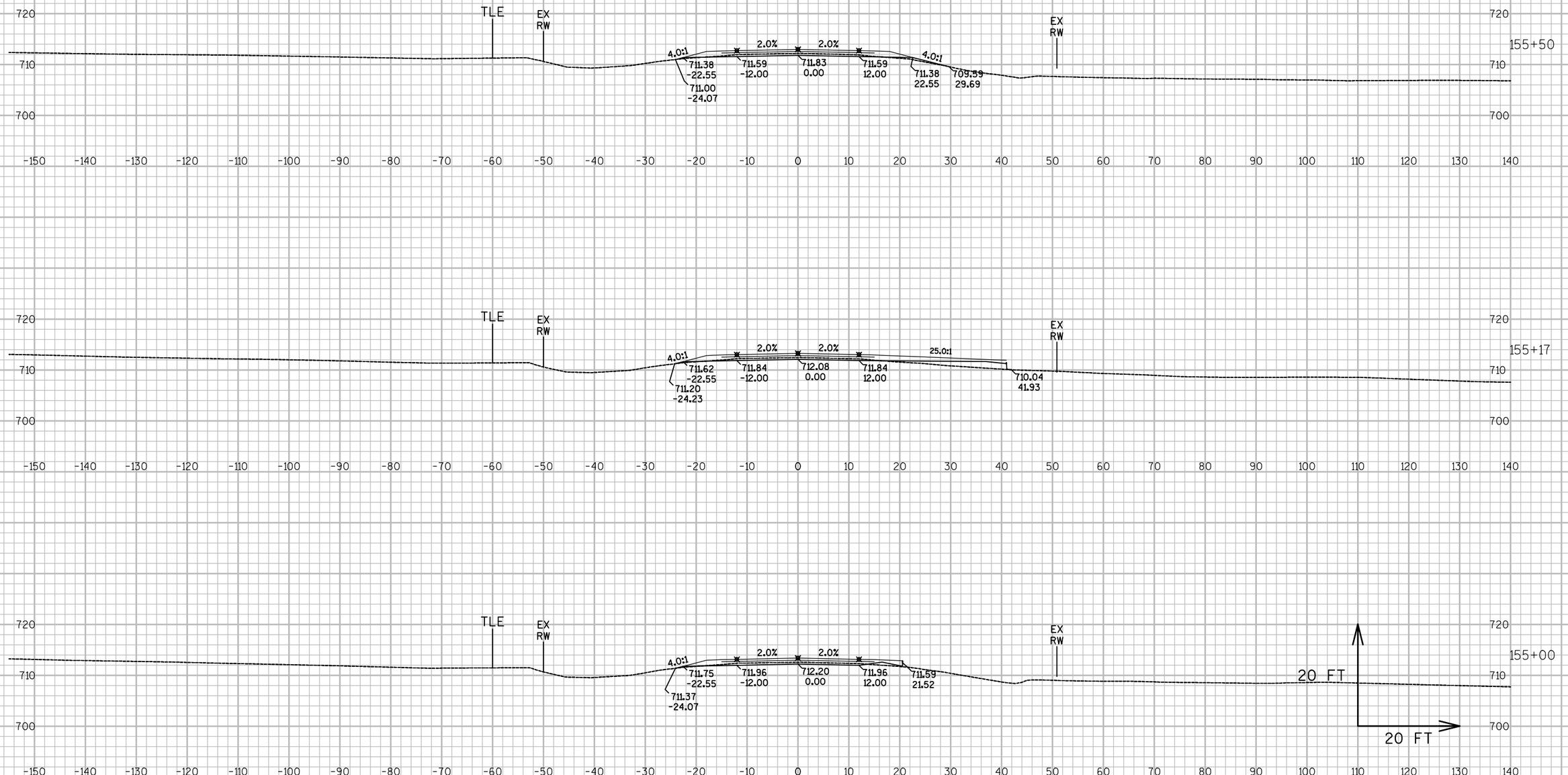


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 274	E



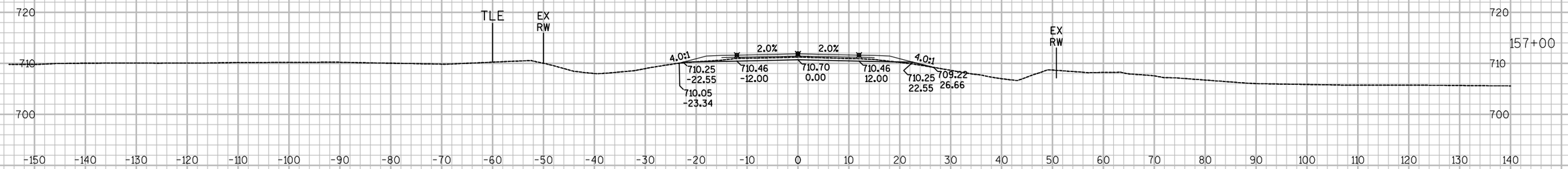
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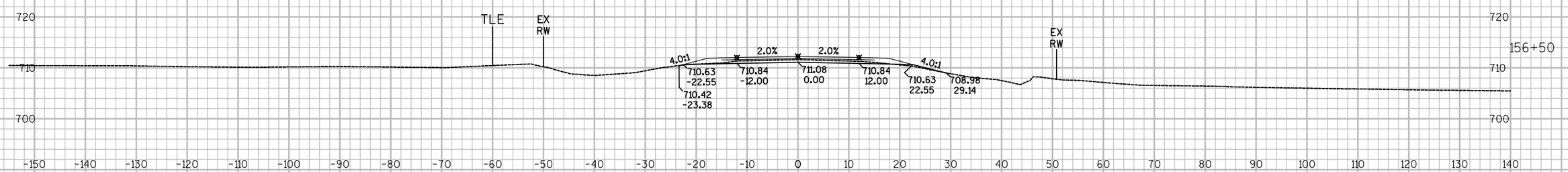
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (70)
PLOT DATE : 3/14/2016 12:26 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

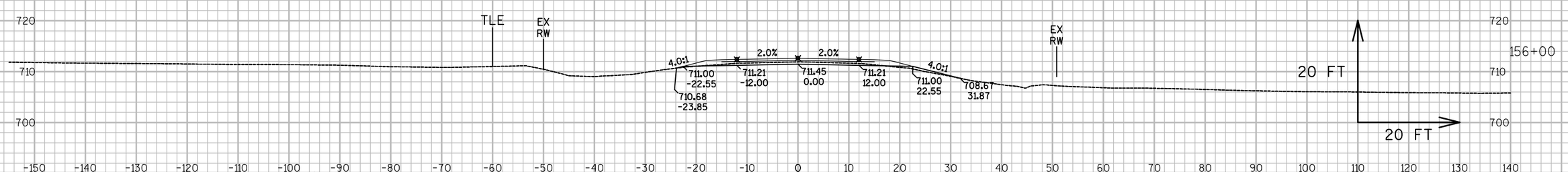


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 276	E

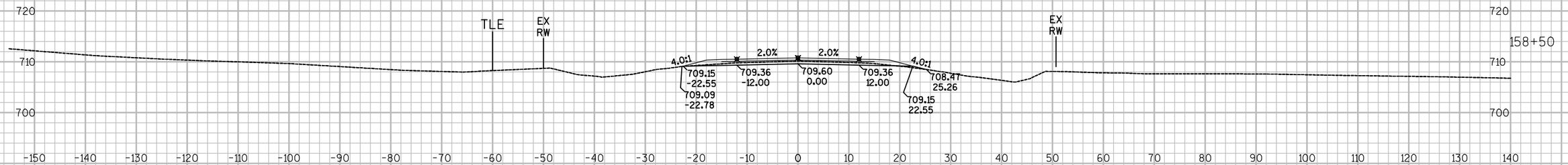
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (71)
PLOT DATE : 3/14/2016 12:27 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

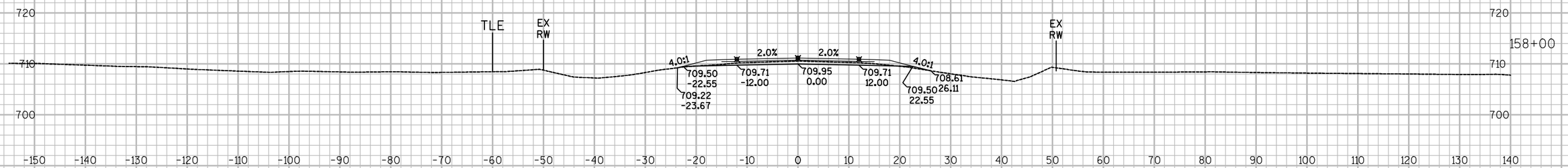


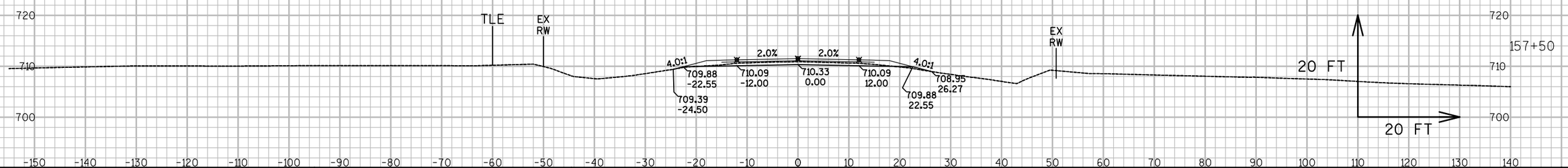




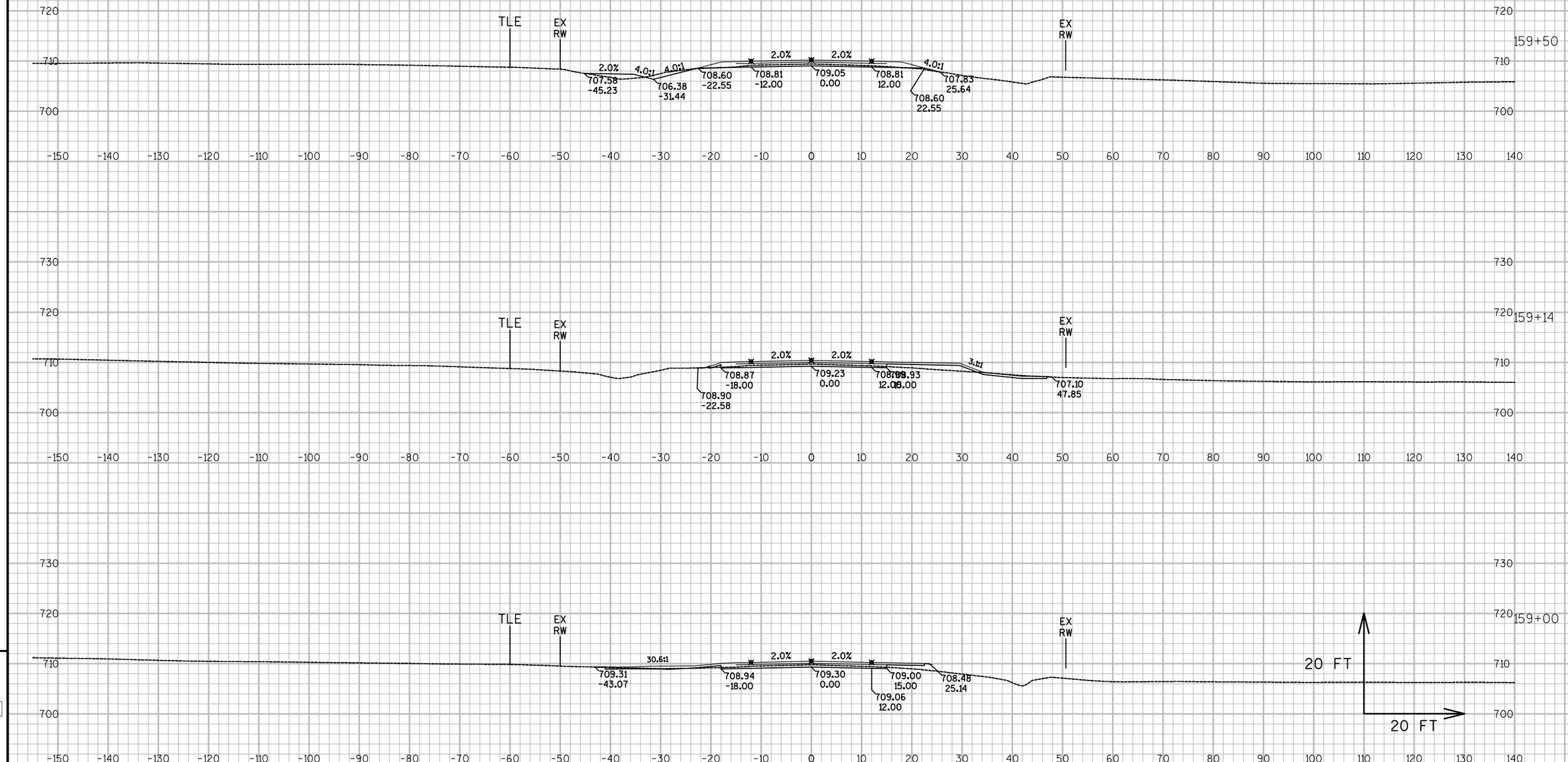
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 277	E







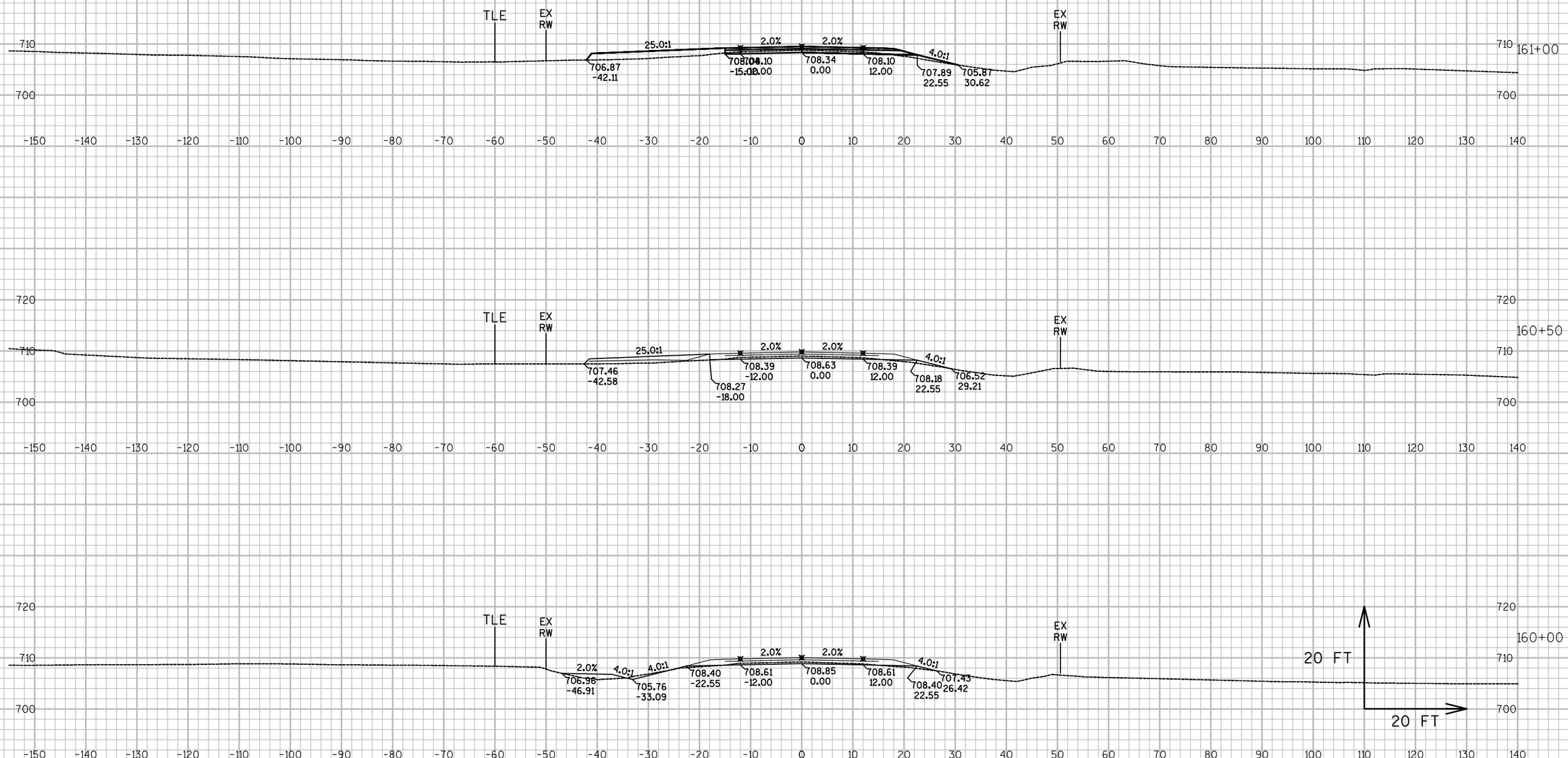
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 278	E



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 279	E

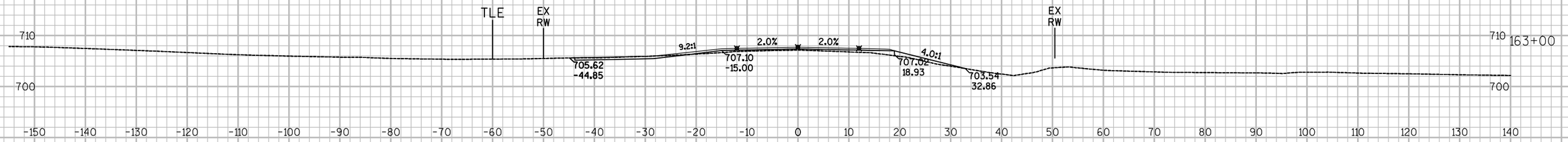
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (74)

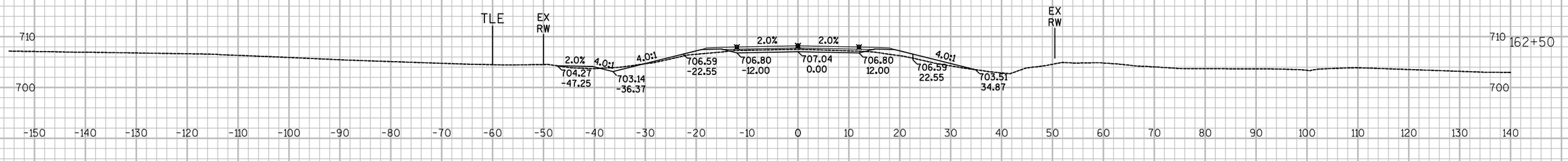
PLOT DATE : 3/14/2016 12:29 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

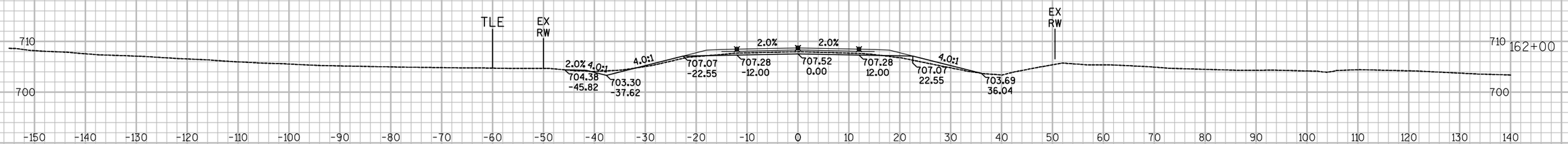


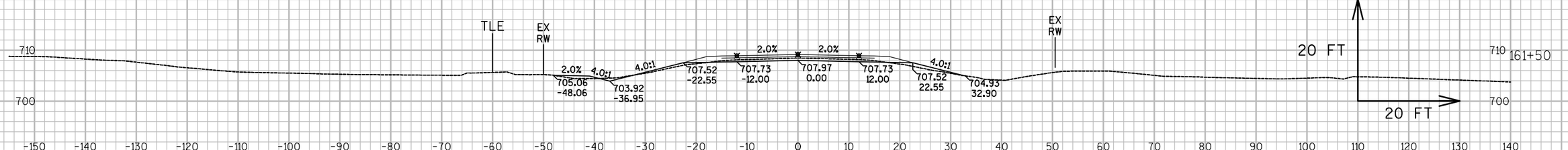
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 280	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (75)
PLOT DATE : 3/14/2016 12:30 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



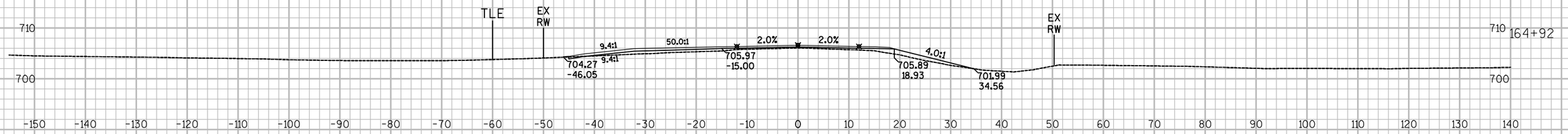


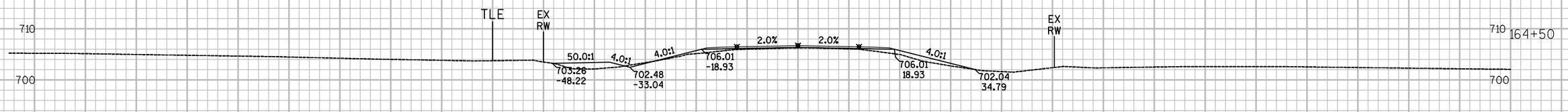


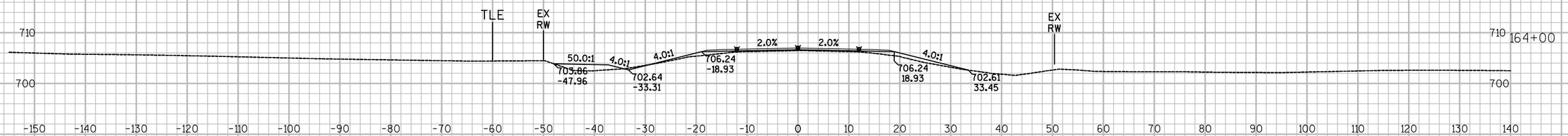


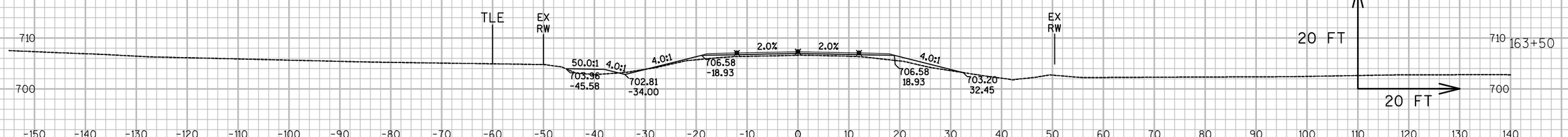
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 281	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (76)
PLOT DATE : 3/14/2016 12:30 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



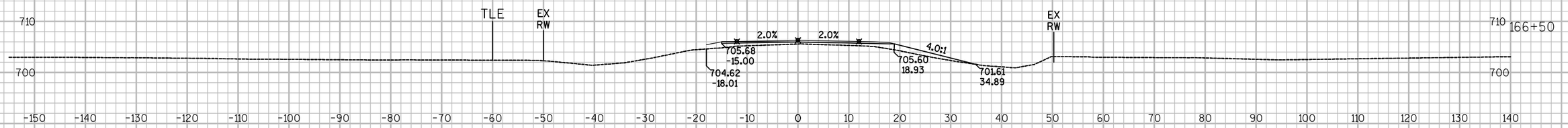


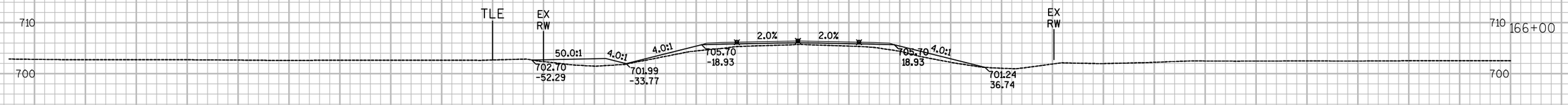


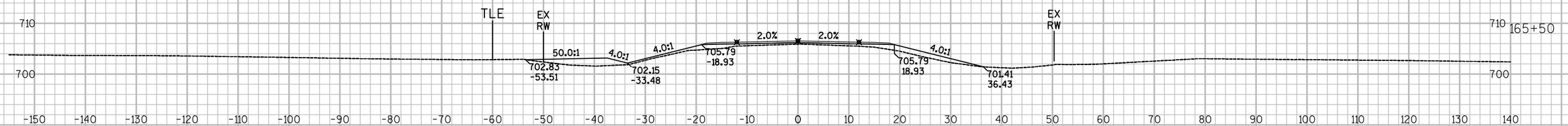


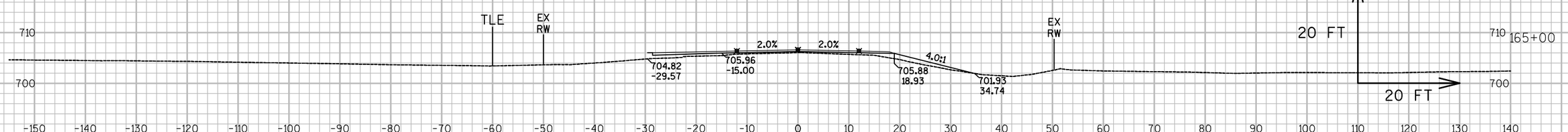
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 282	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (77)
PLOT DATE : 3/14/2016 12:31 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



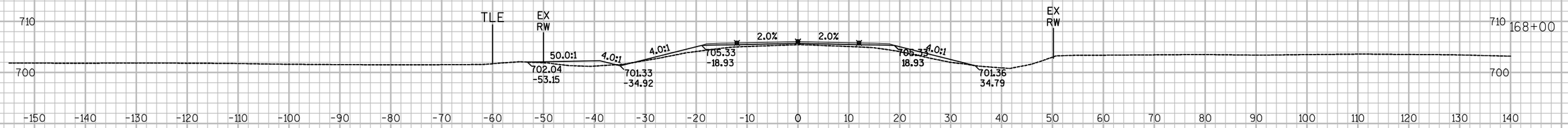


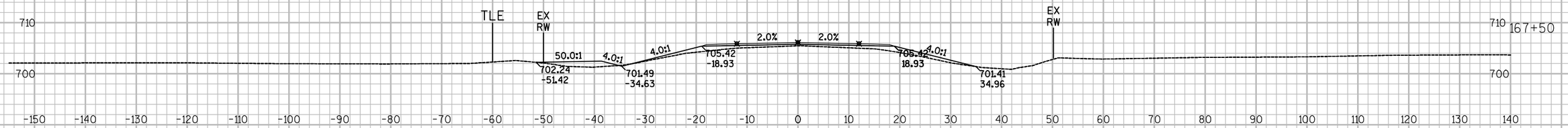


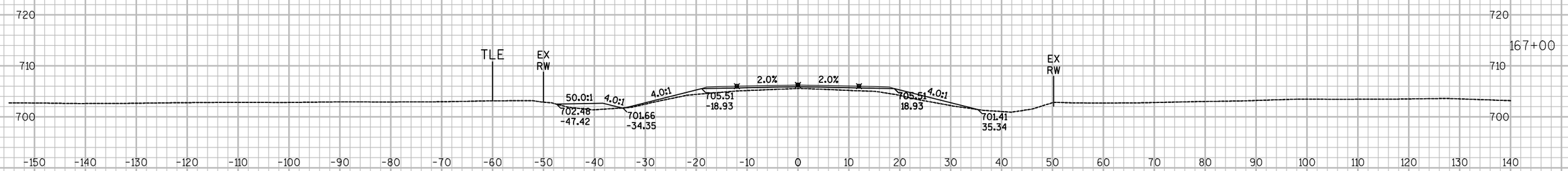


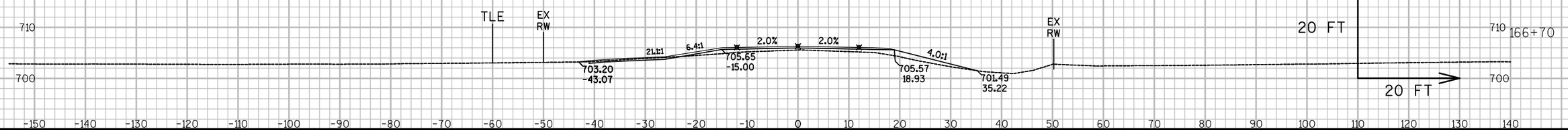
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 283	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (78)
PLOT DATE : 3/14/2016 12:32 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



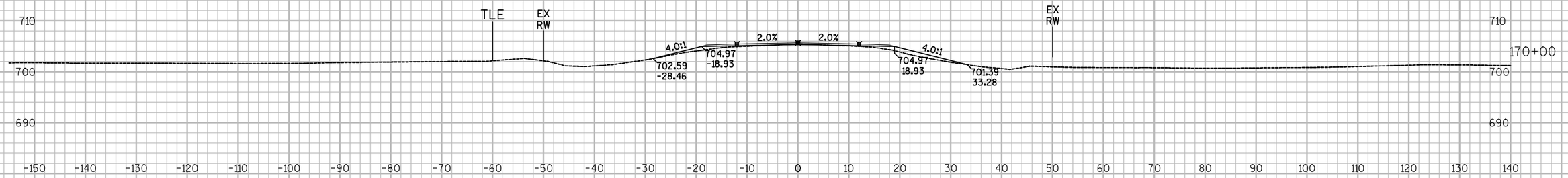


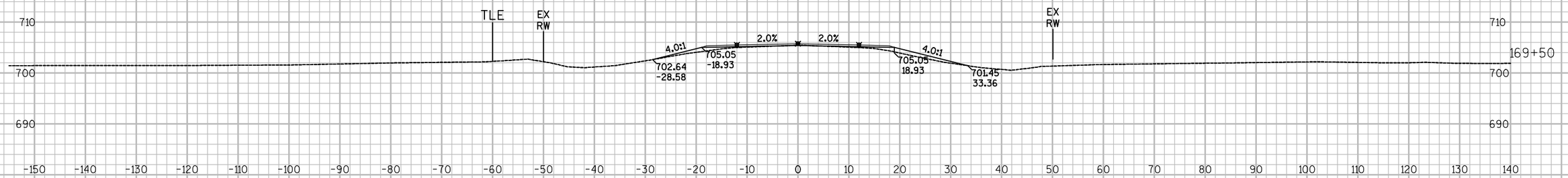


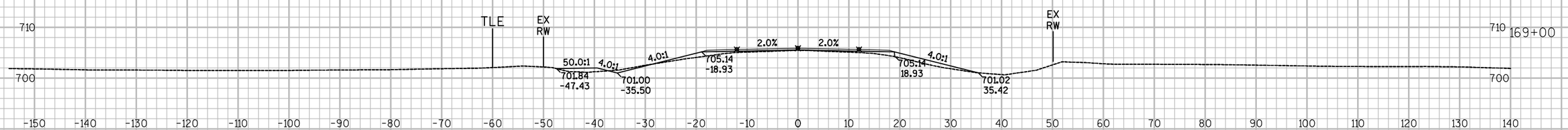


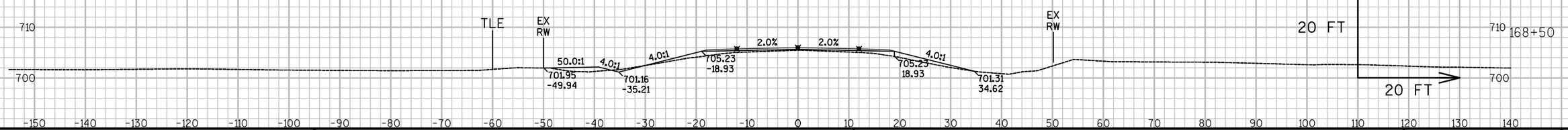
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 284 E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (79)
PLOT DATE : 3/14/2016 12:33 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



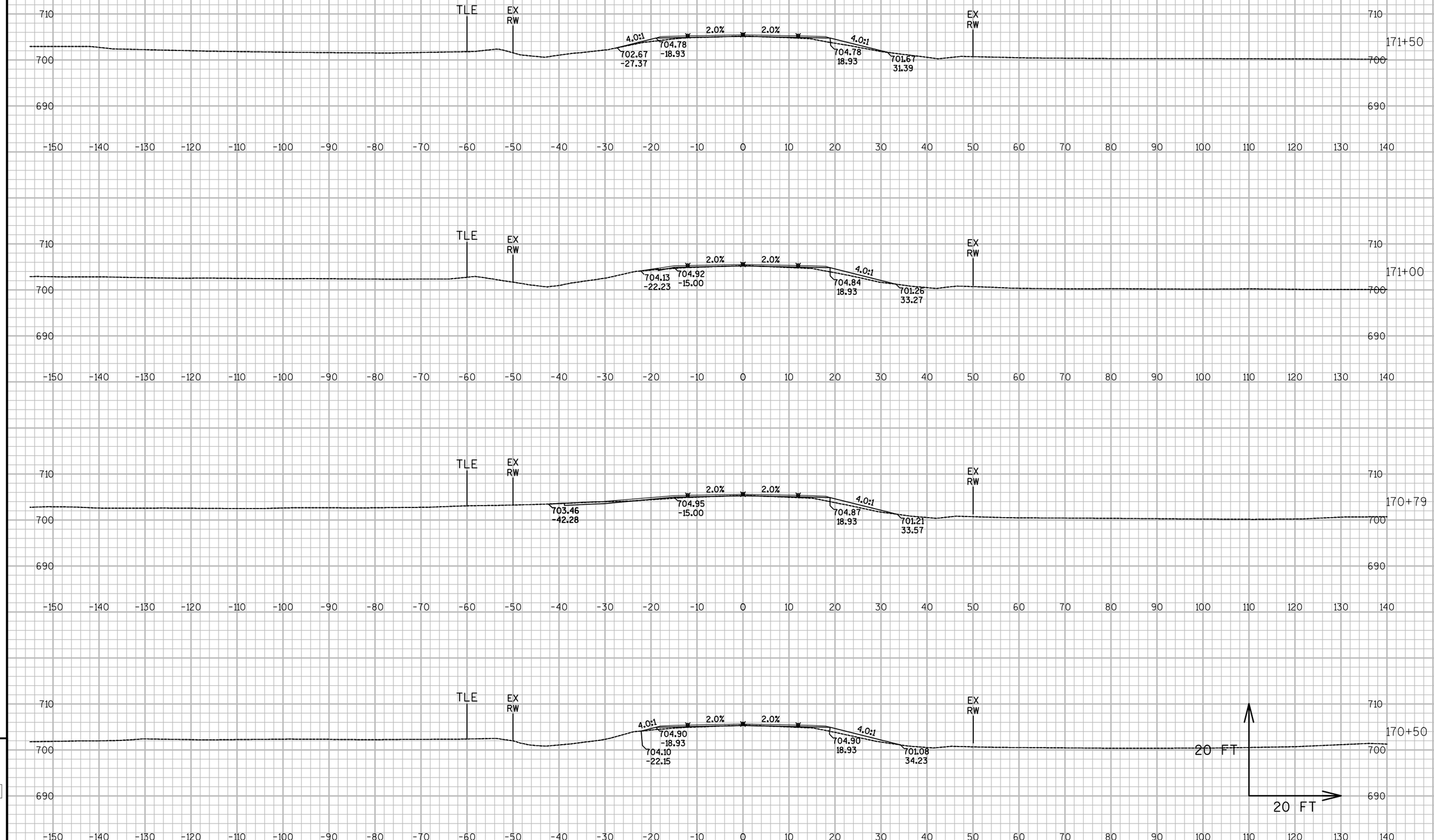






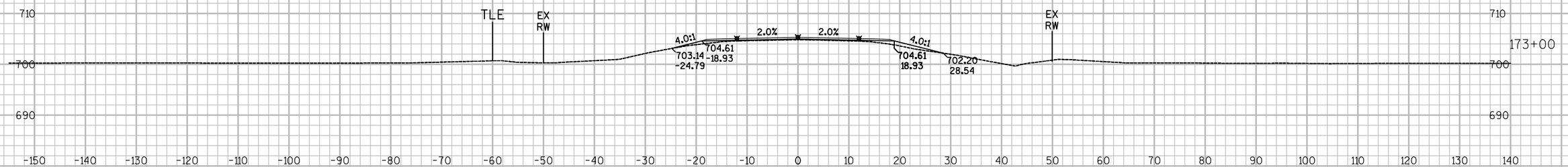
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 285 E

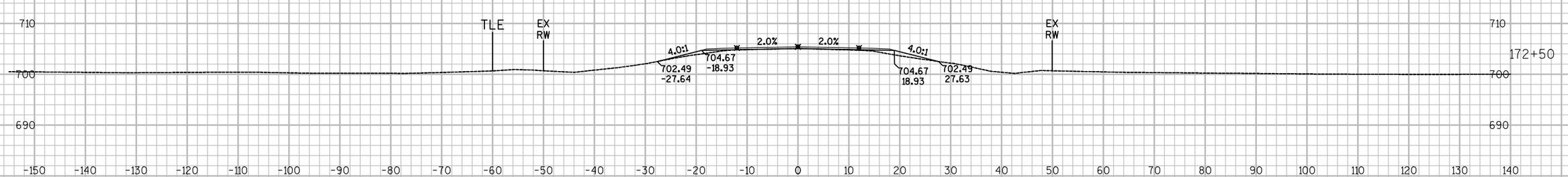
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (80)
PLOT DATE : 3/14/2016 12:34 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

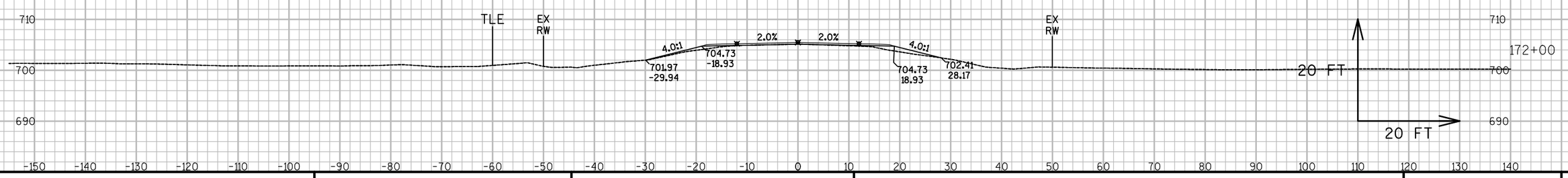


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 286	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (81)
PLOT DATE : 3/14/2016 12:35 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

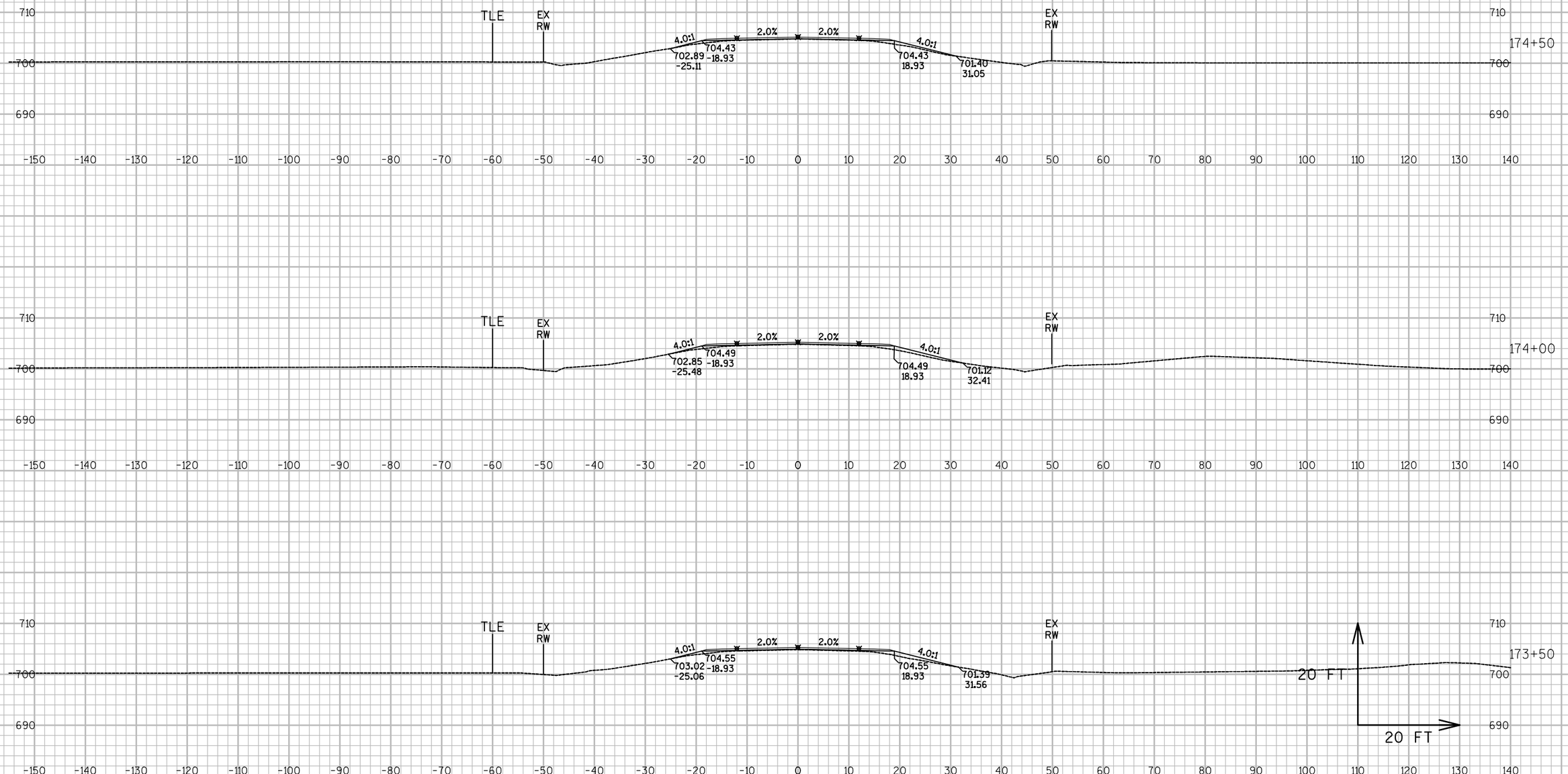




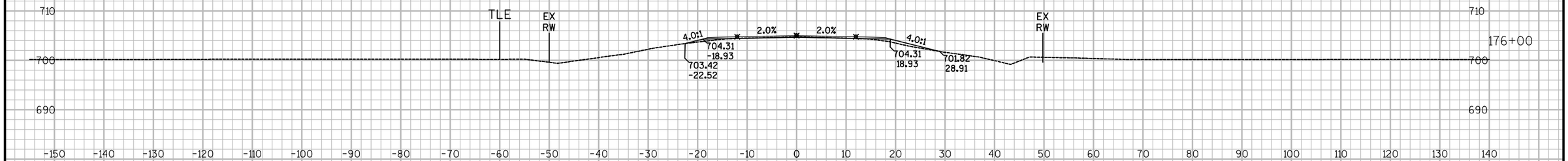


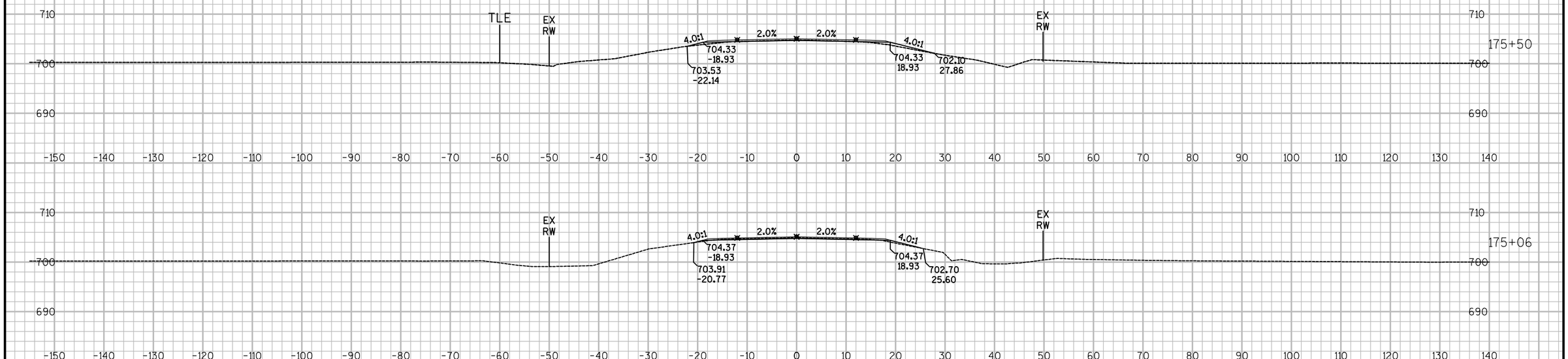
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 287	E

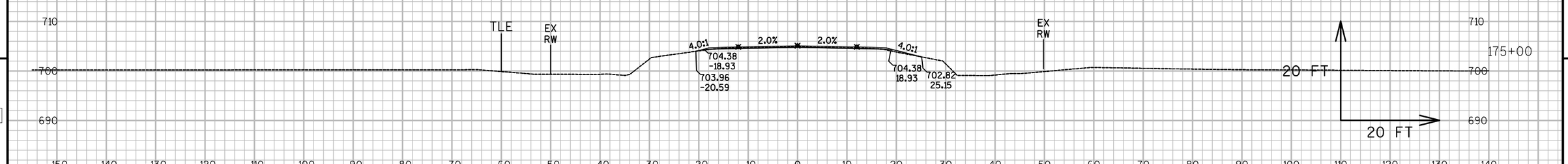
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (82)
PLOT DATE : 3/14/2016 12:36 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



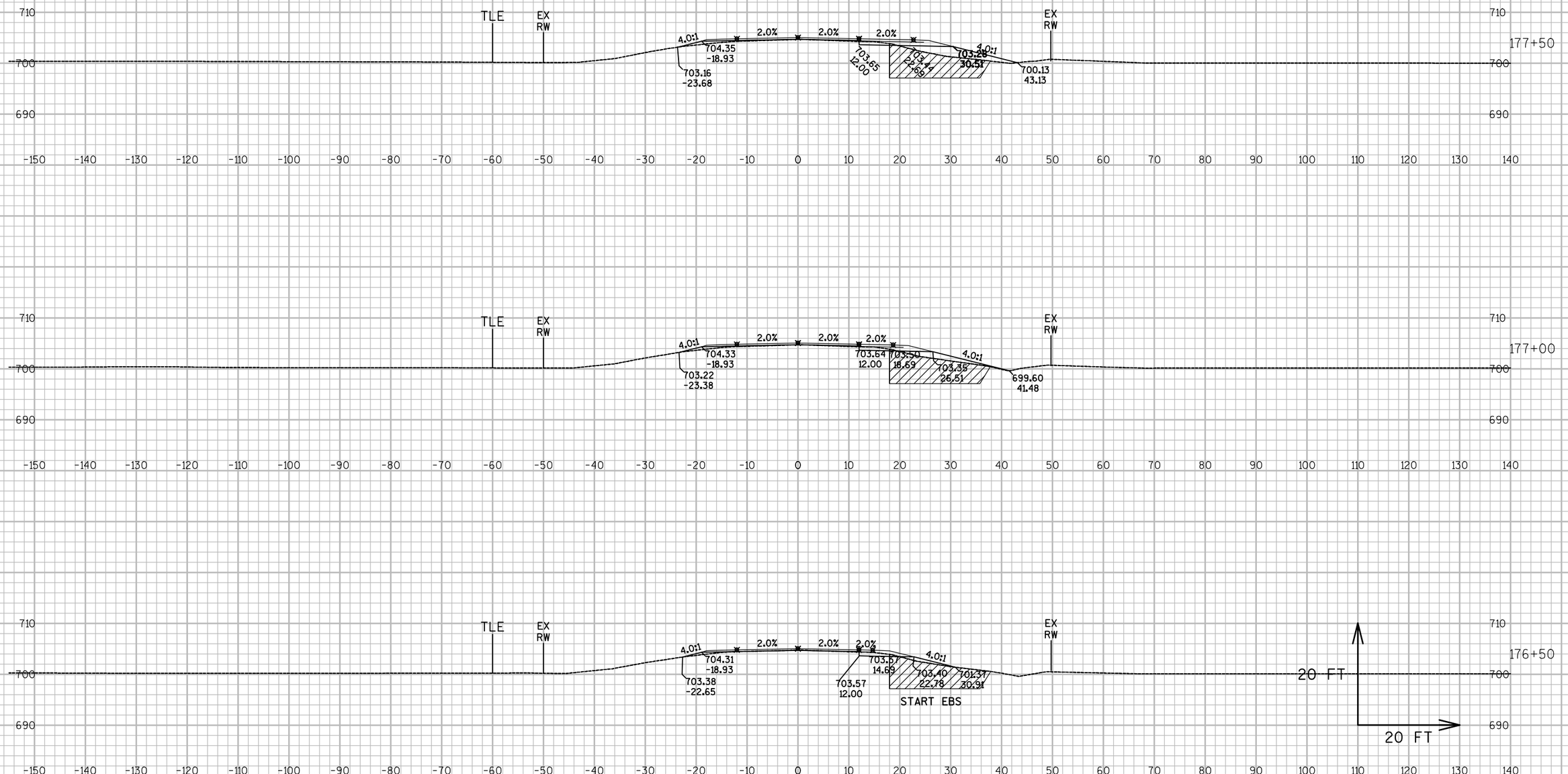
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 288	E





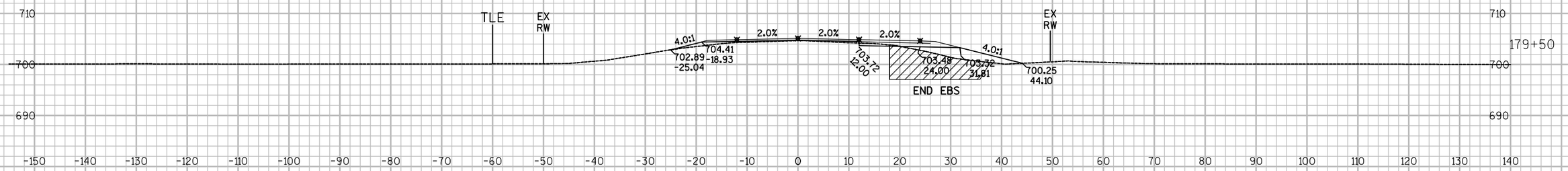


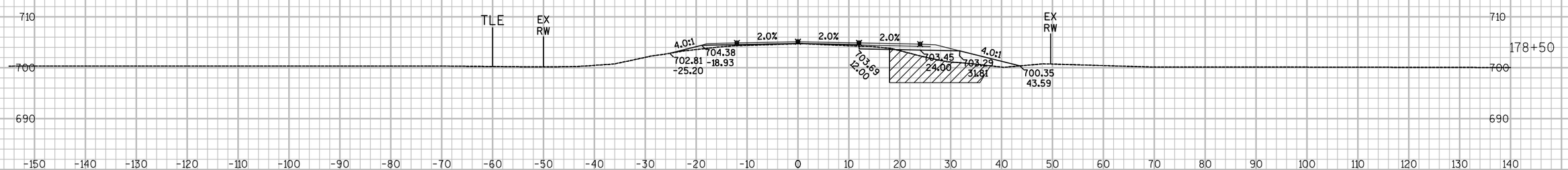
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 289	E

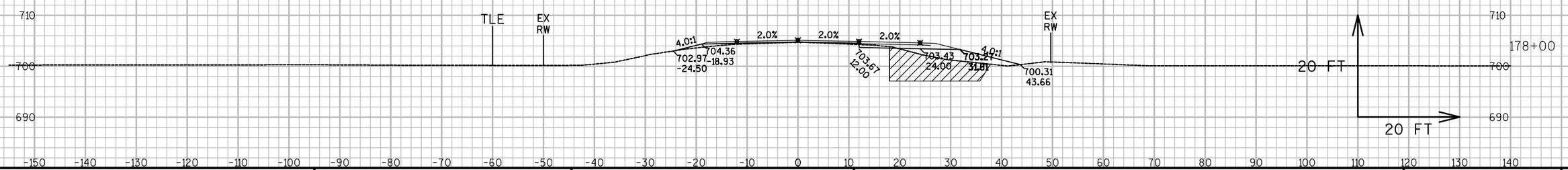


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 290	E

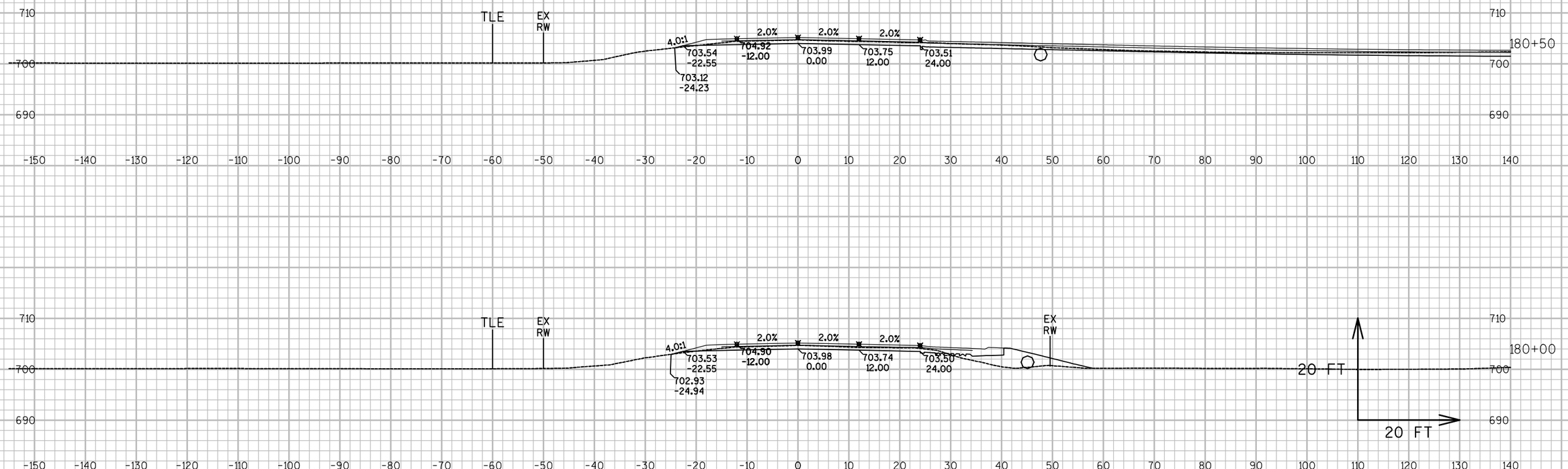
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 A.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 A - SECTION SHEET - (85)
PLOT DATE : 3/14/2016 12:38 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



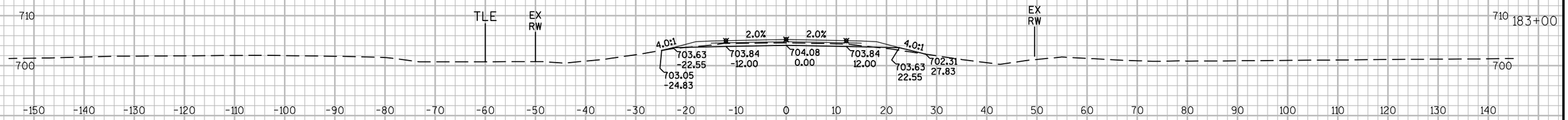


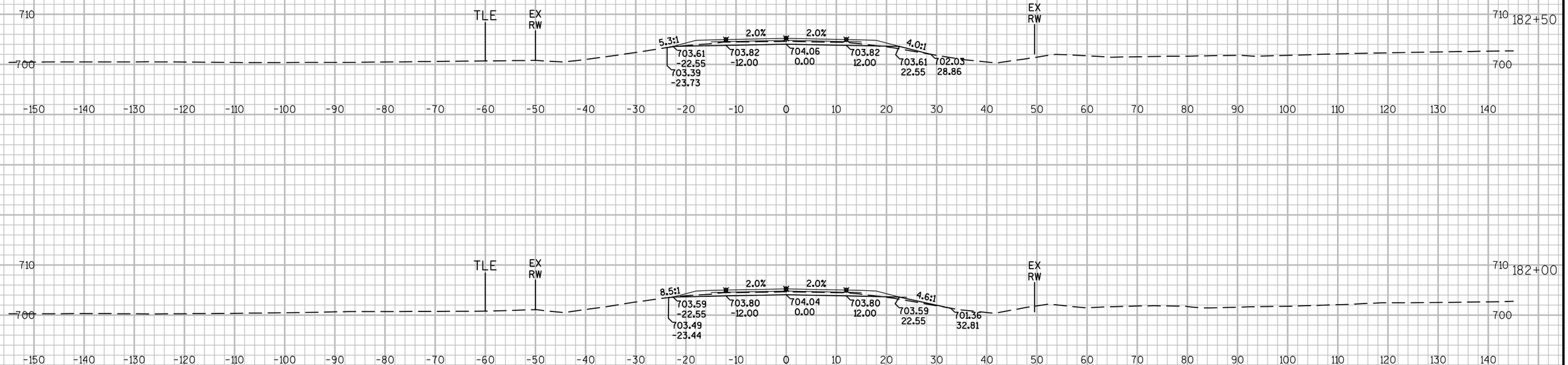


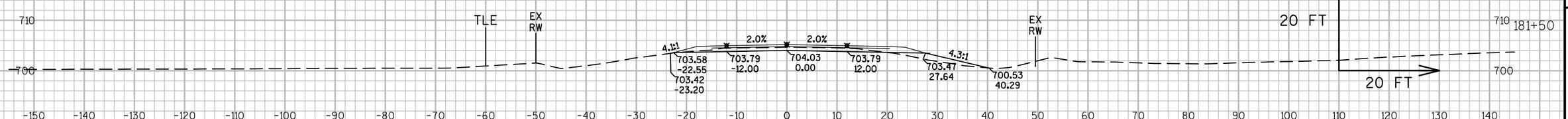
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 291	E



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 292	E

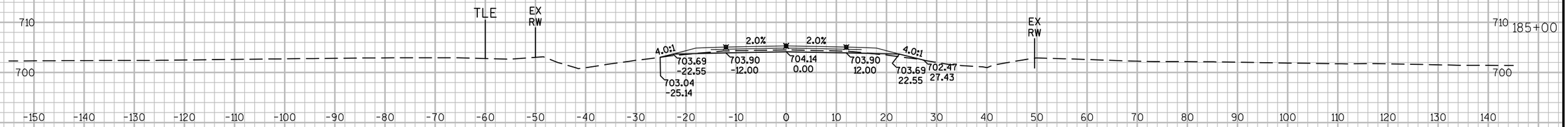


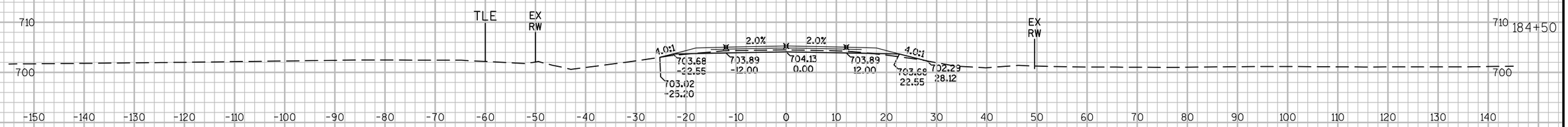


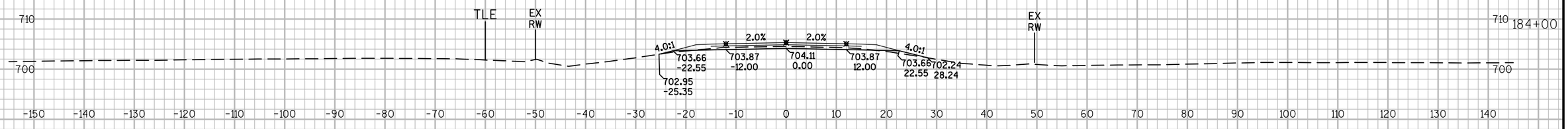


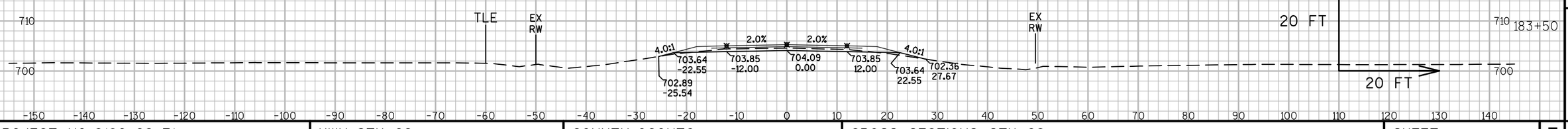
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 293	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (1)
PLOT DATE : 3/14/2016 1:40 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



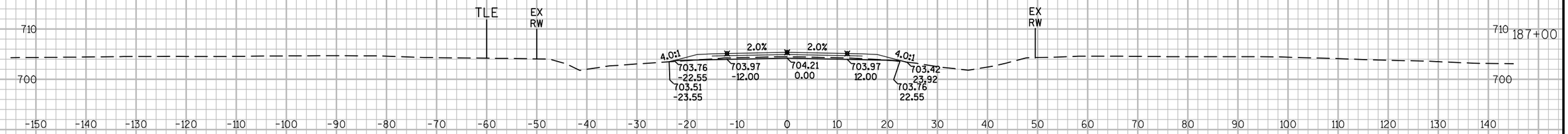


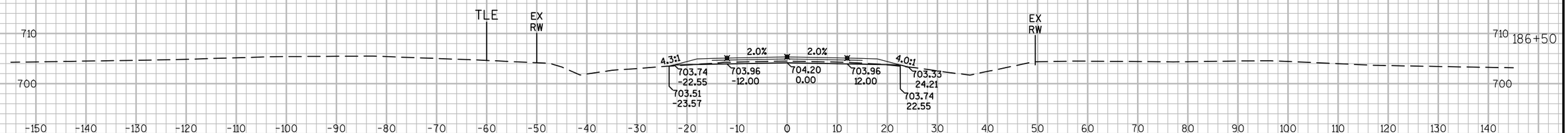


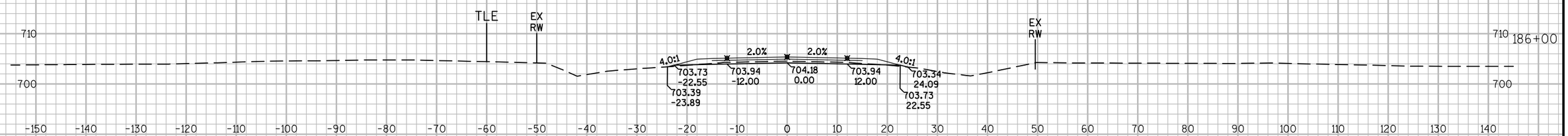


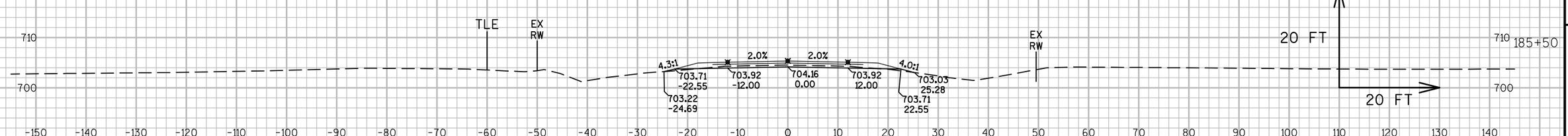
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 294	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (2)
PLOT DATE : 3/14/2016 1:41 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

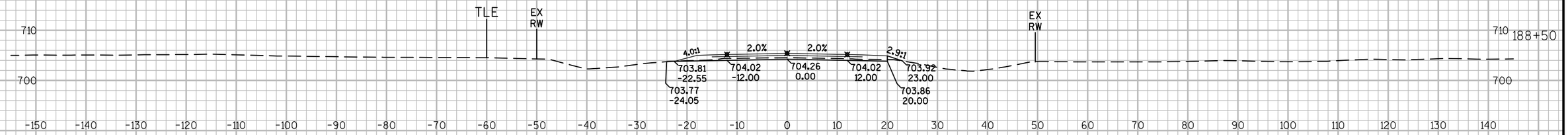


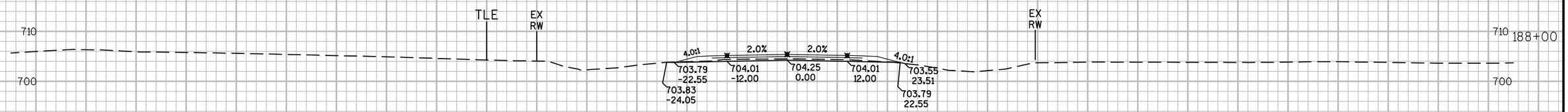


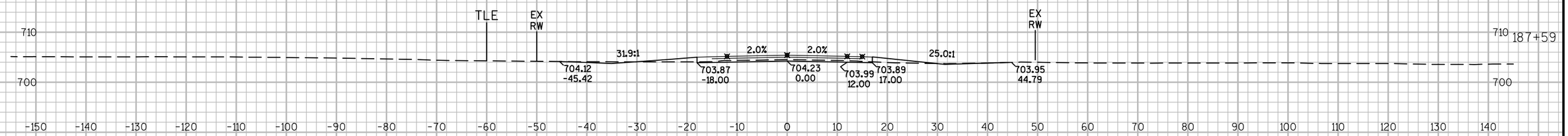


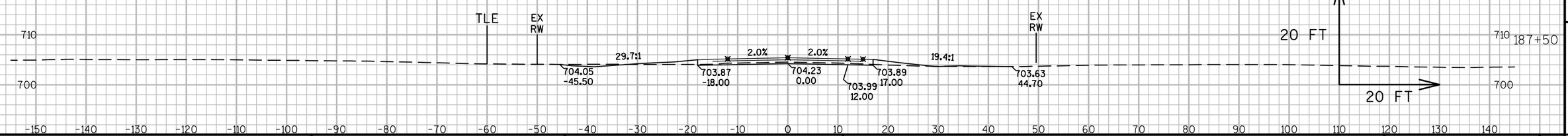


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 295 E

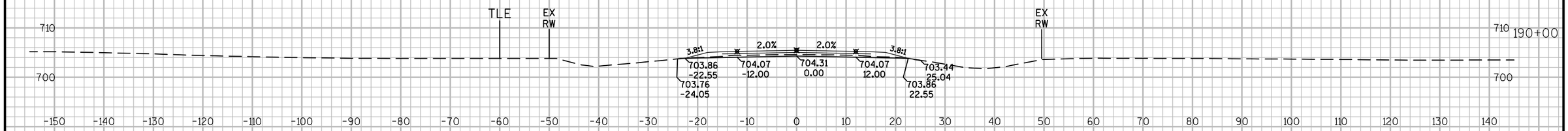


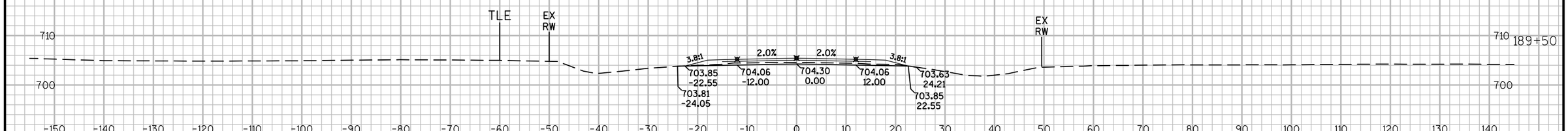


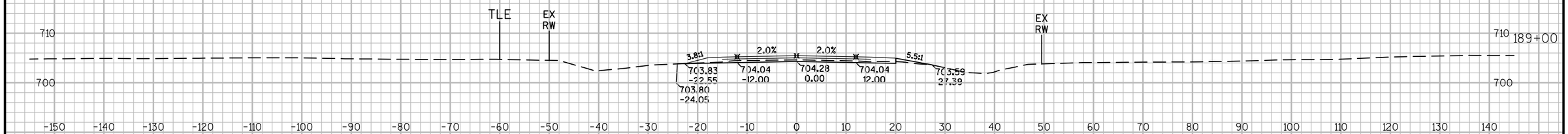


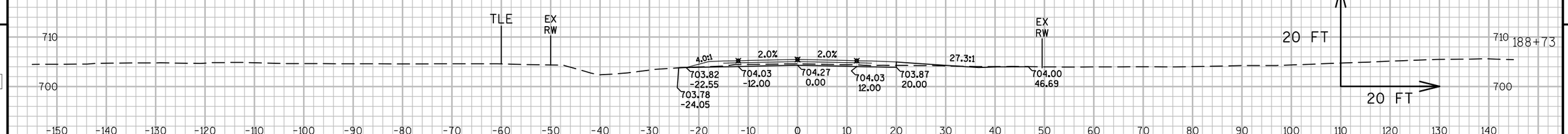


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 296	E

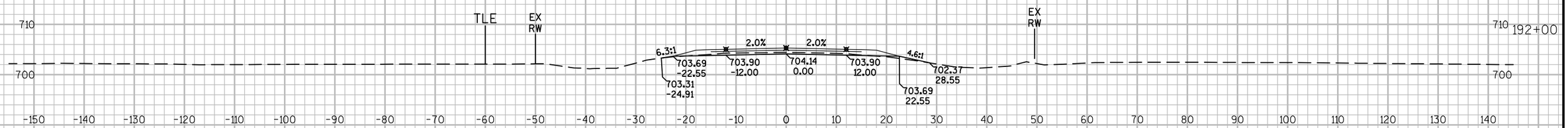


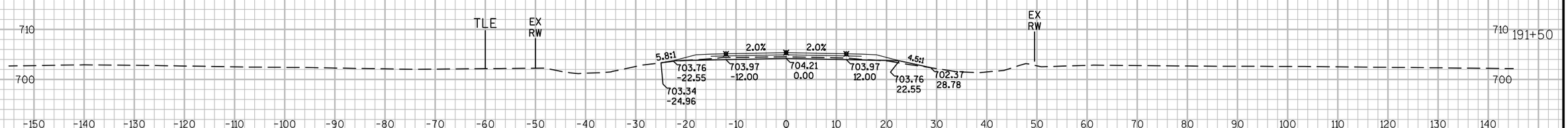


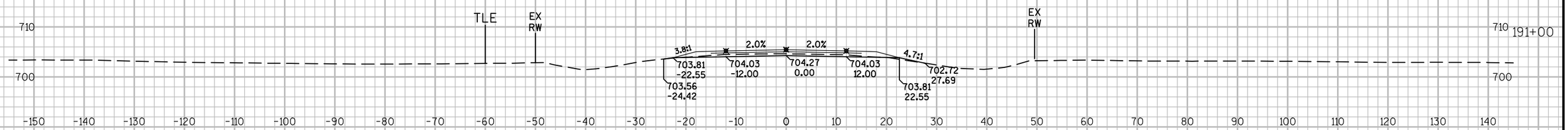


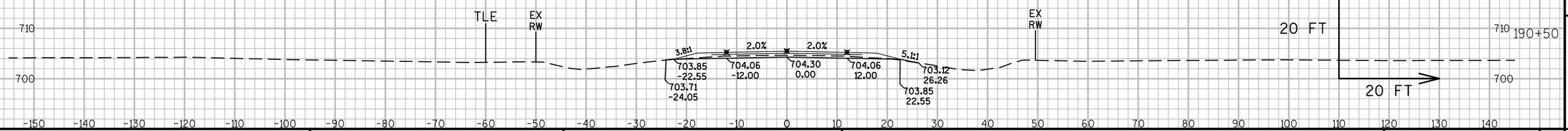


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 297	E

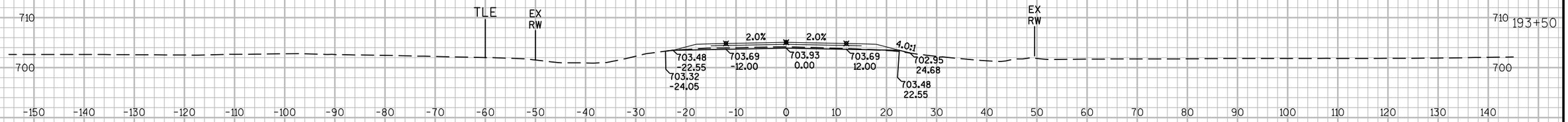


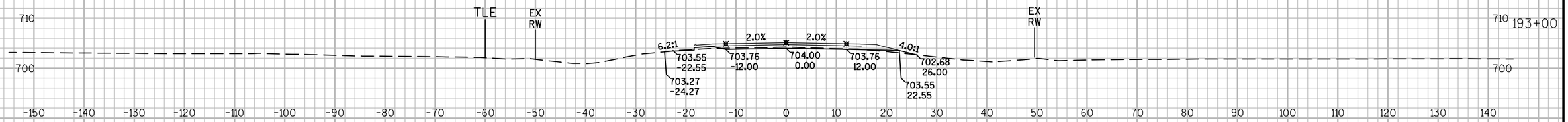


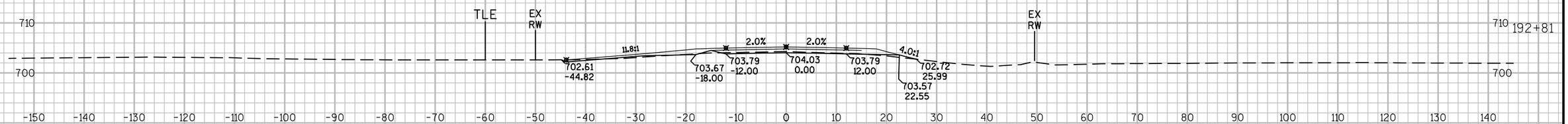


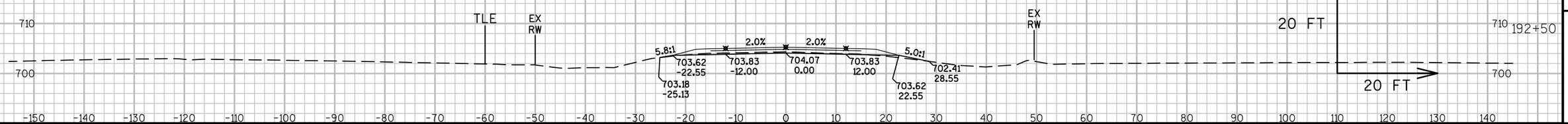


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 298	E

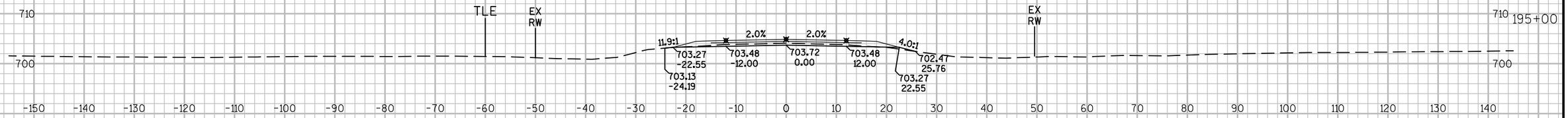




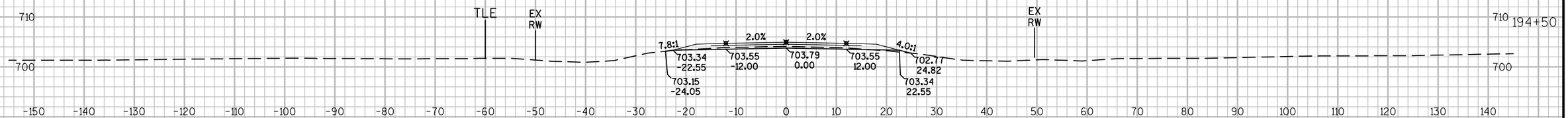




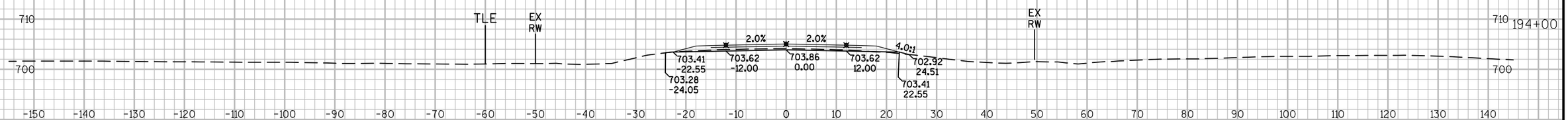
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 299	E



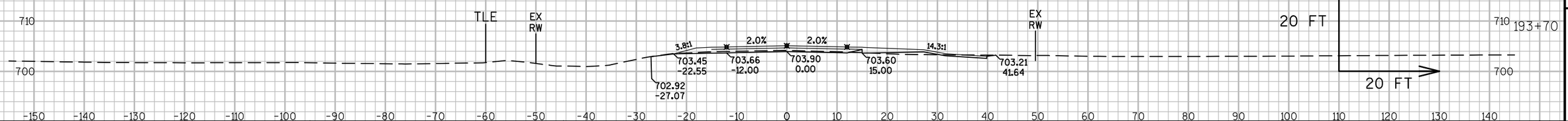
195+00



194+50



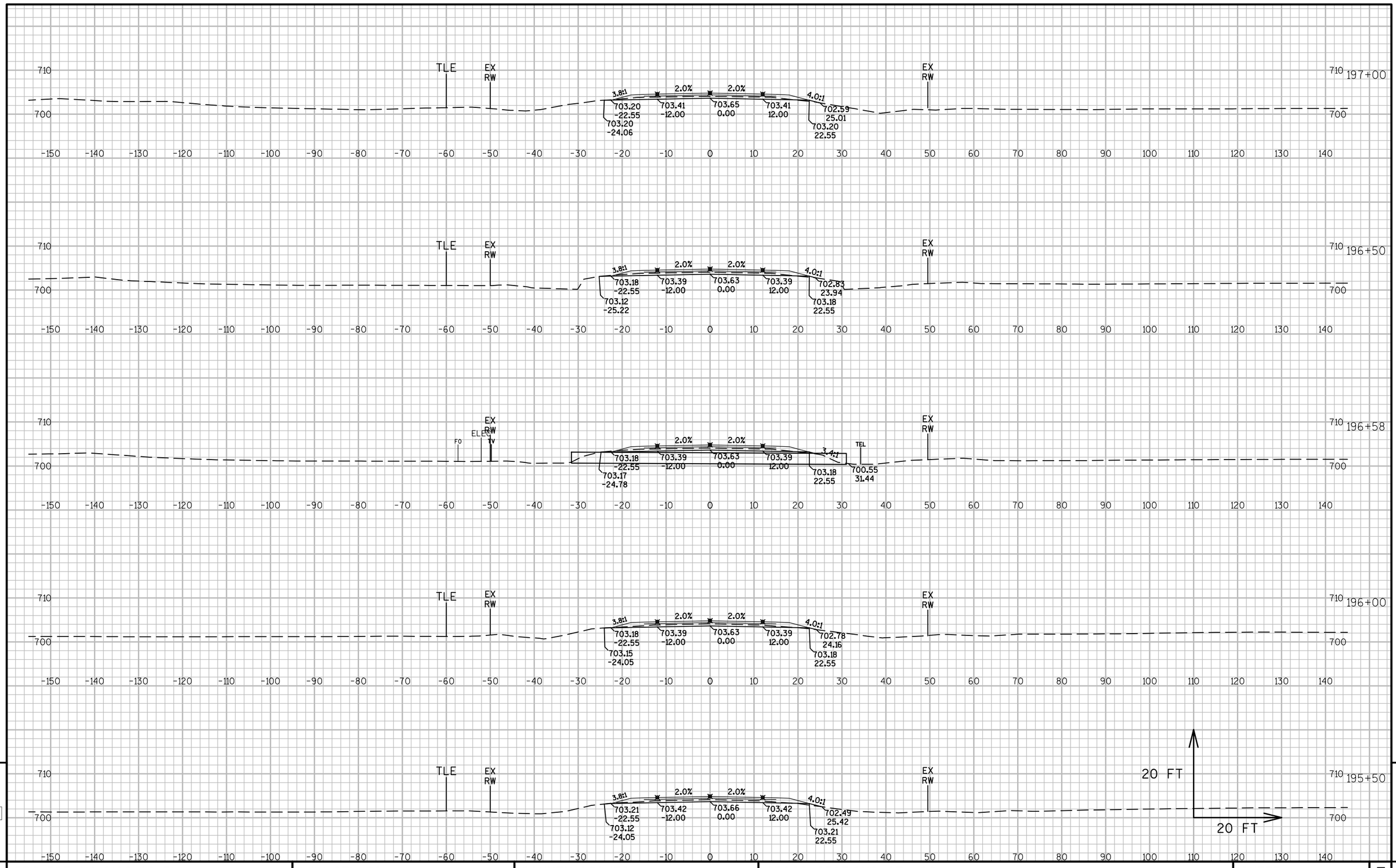
194+00



193+70

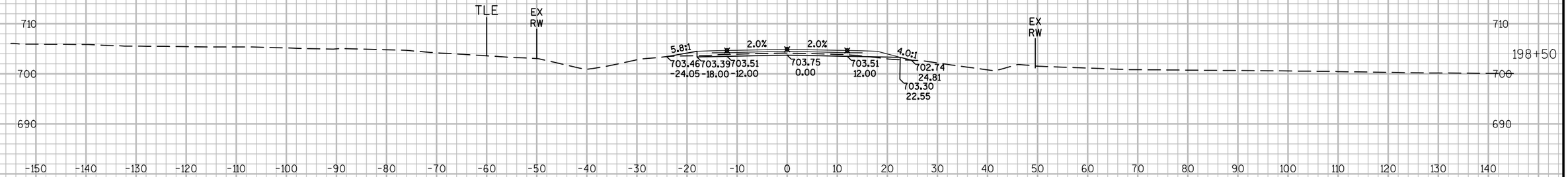
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 300	E

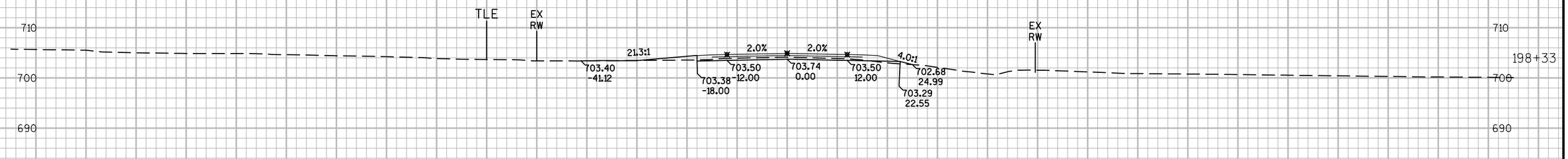
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (8)
PLOT DATE : 3/14/2016 1:44 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

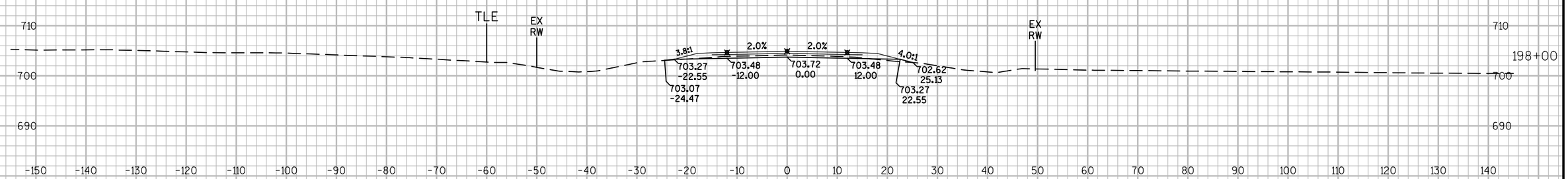


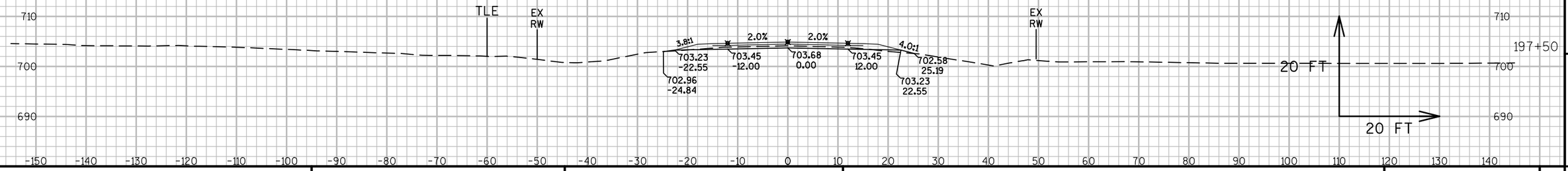
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 301	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (9)
PLOT DATE : 3/14/2016 1:45 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

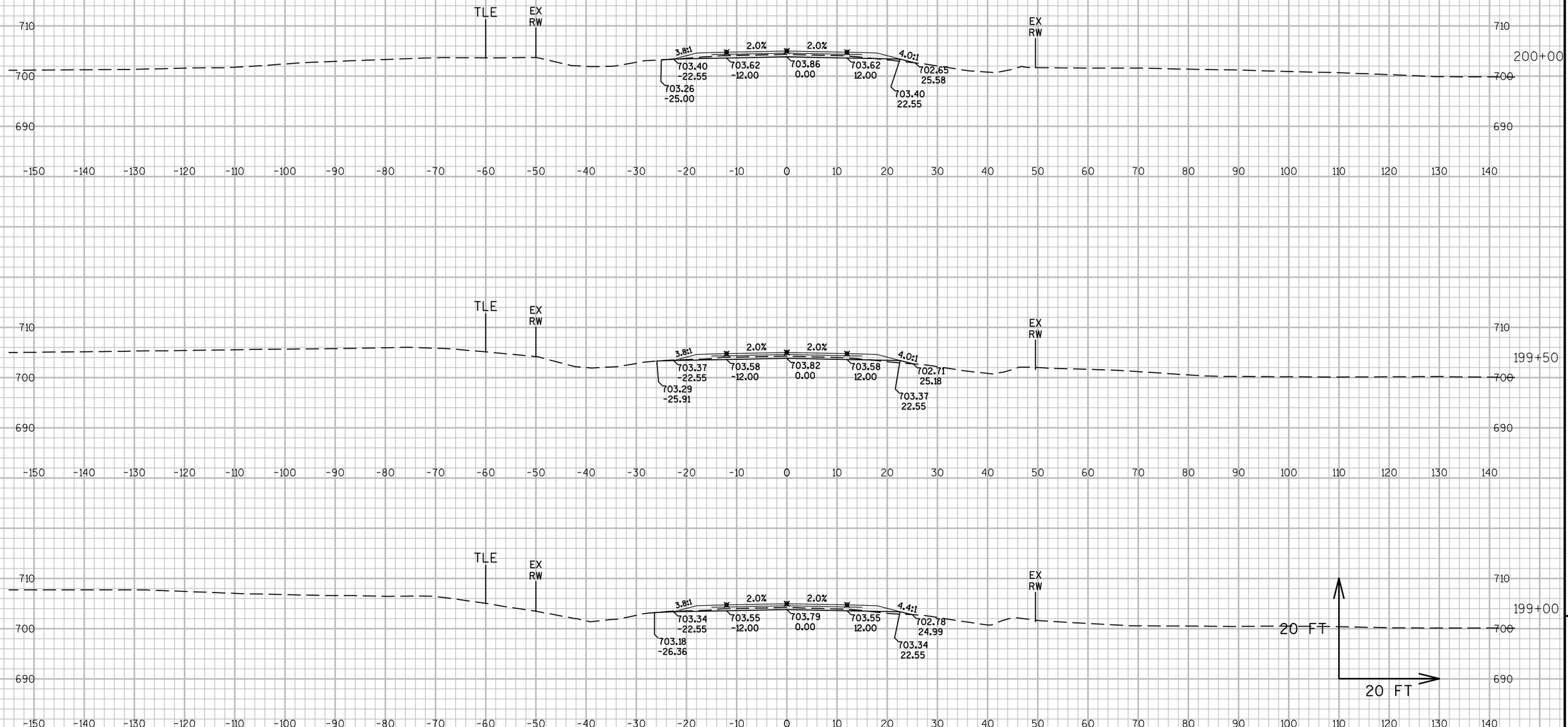






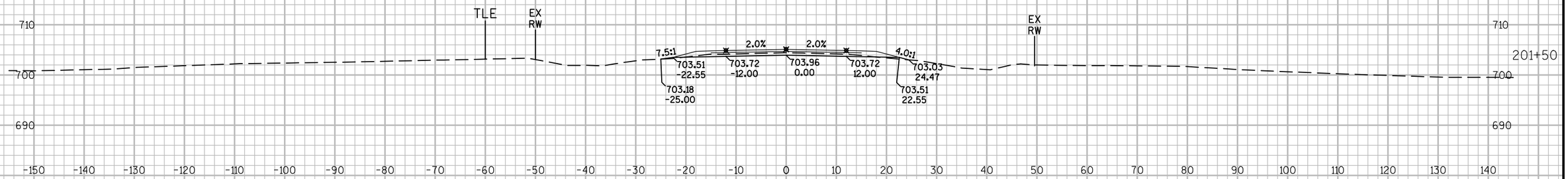


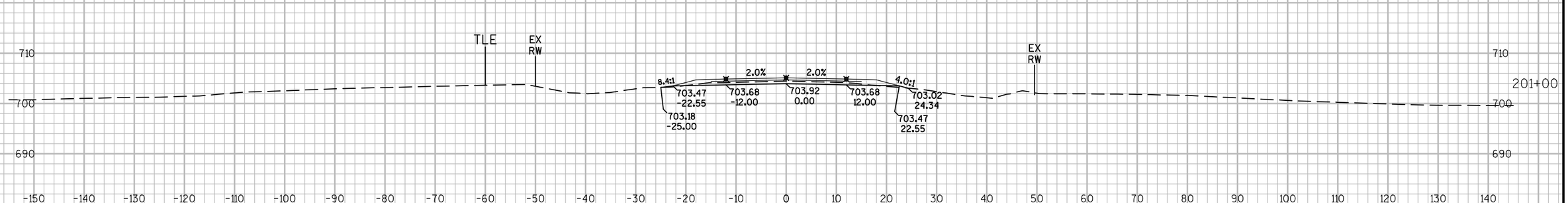
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 302 E

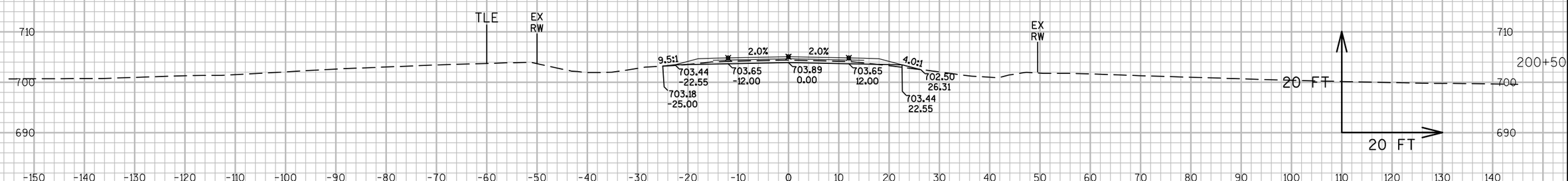


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 303	E

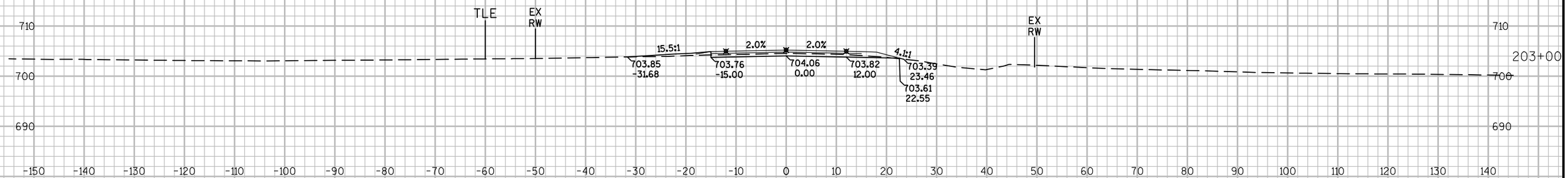
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (11)
PLOT DATE : 3/14/2016 1:46 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

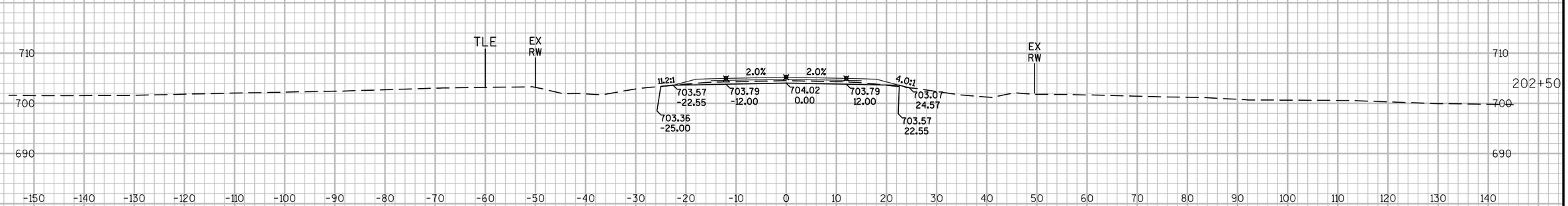


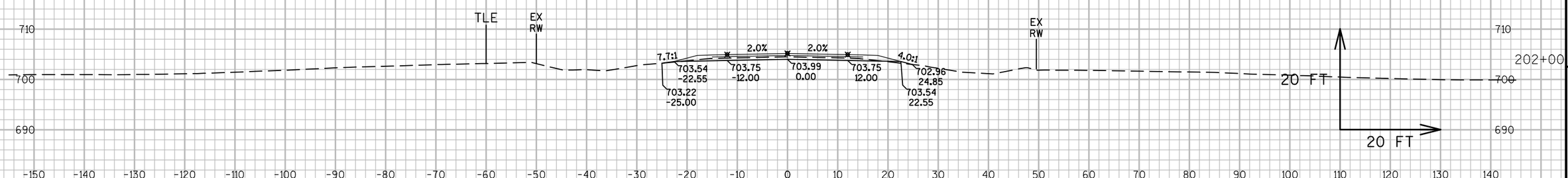




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 304	E

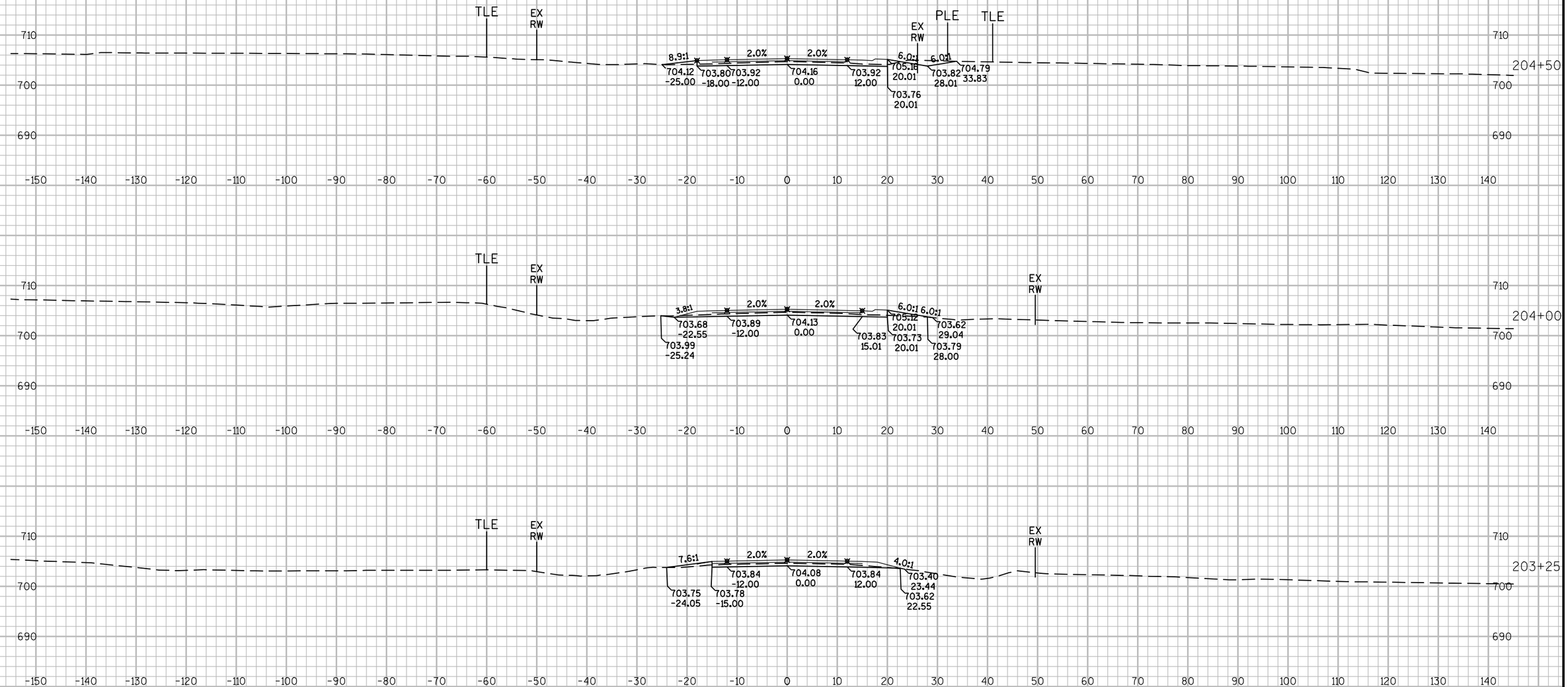


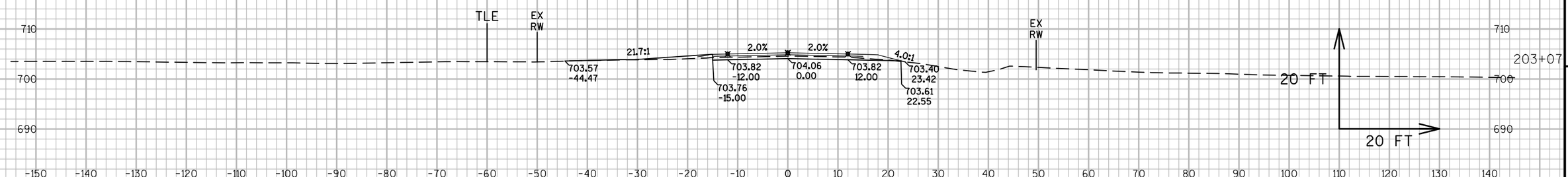




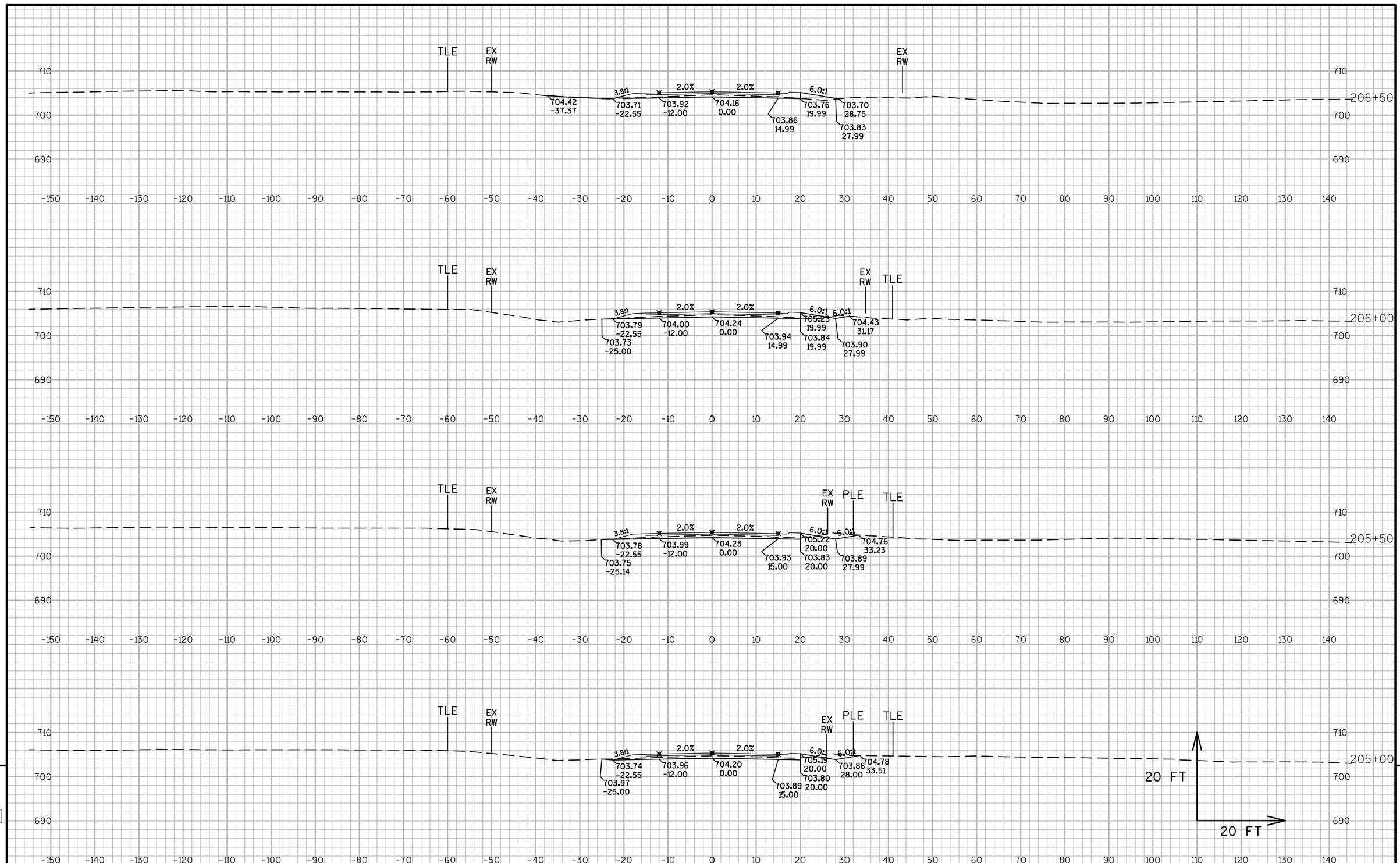
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 305	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (13)
PLOT DATE : 3/14/2016 1:47 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



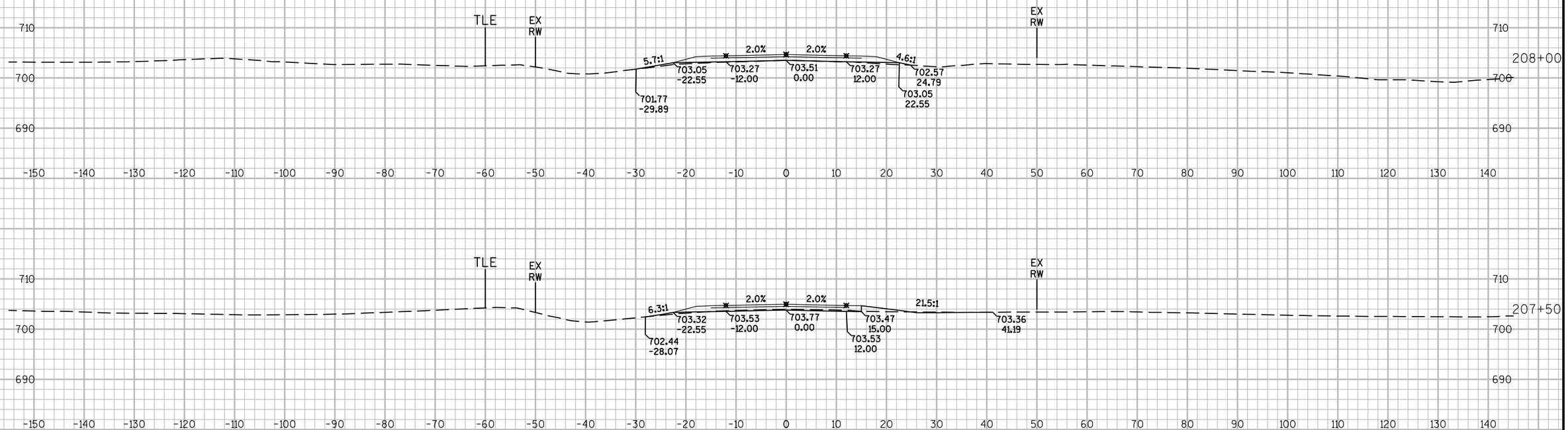


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 306	E



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 307	E

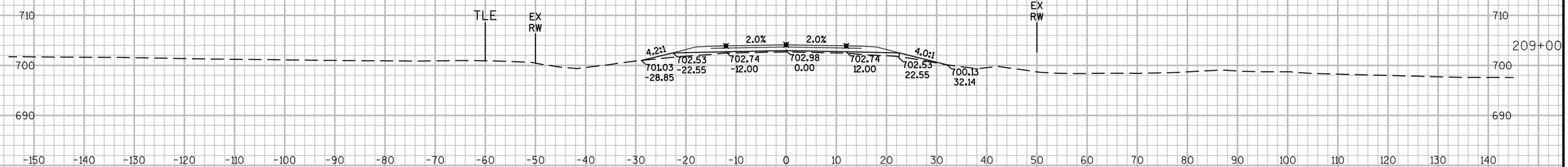
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (15)
PLOT DATE : 3/14/2016 1:48 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

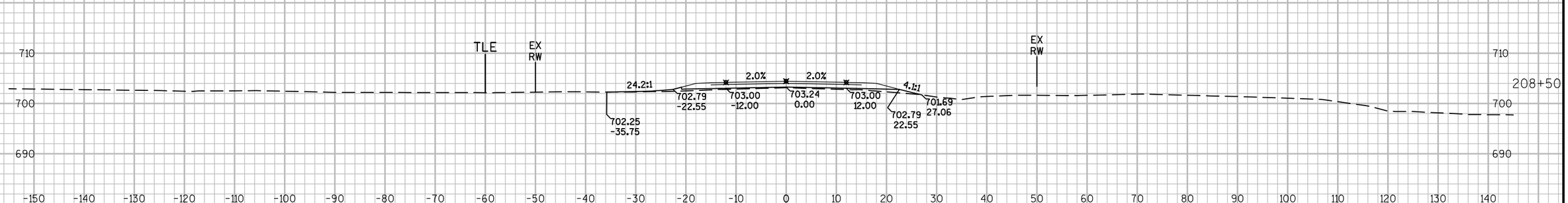


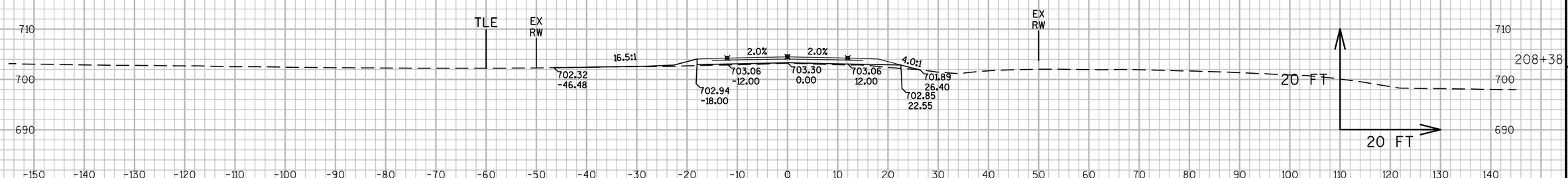
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 308	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (16)

PLOT DATE : 3/14/2016 1:48 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

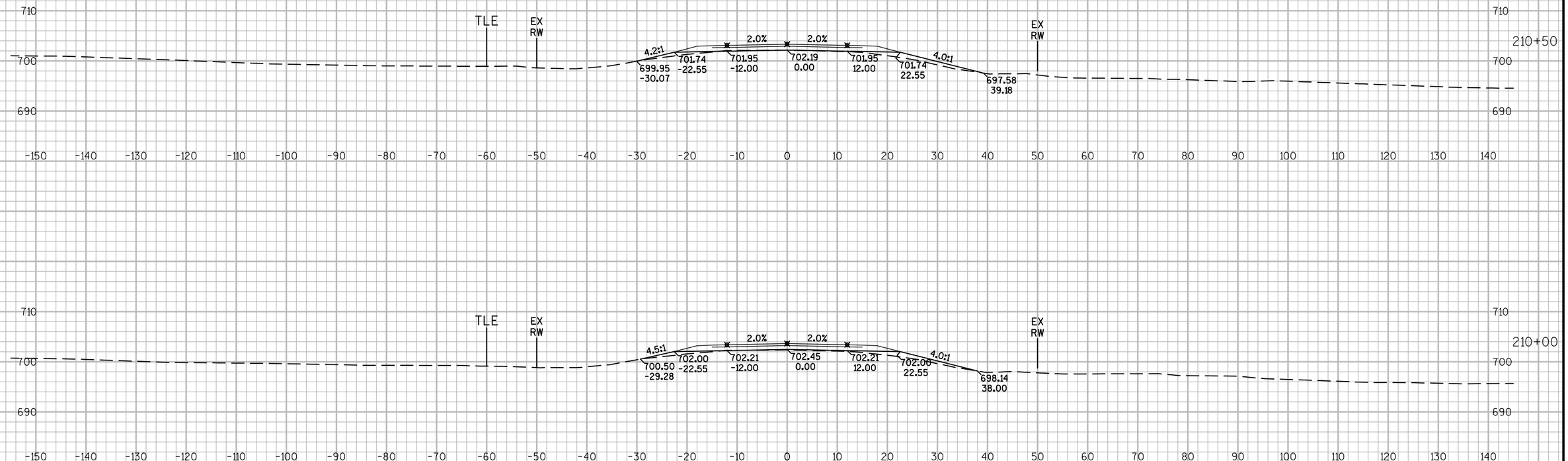


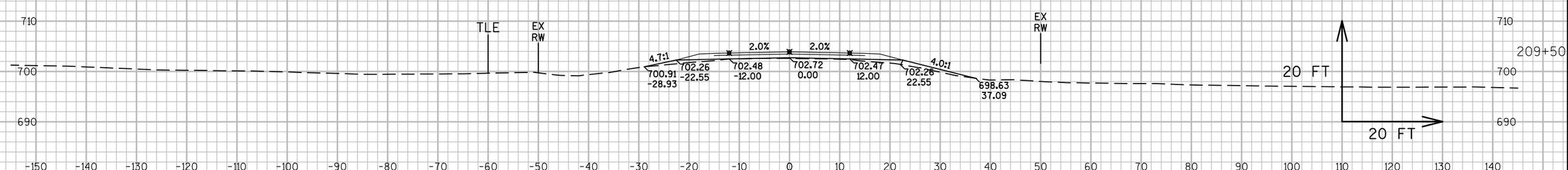




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 309	E

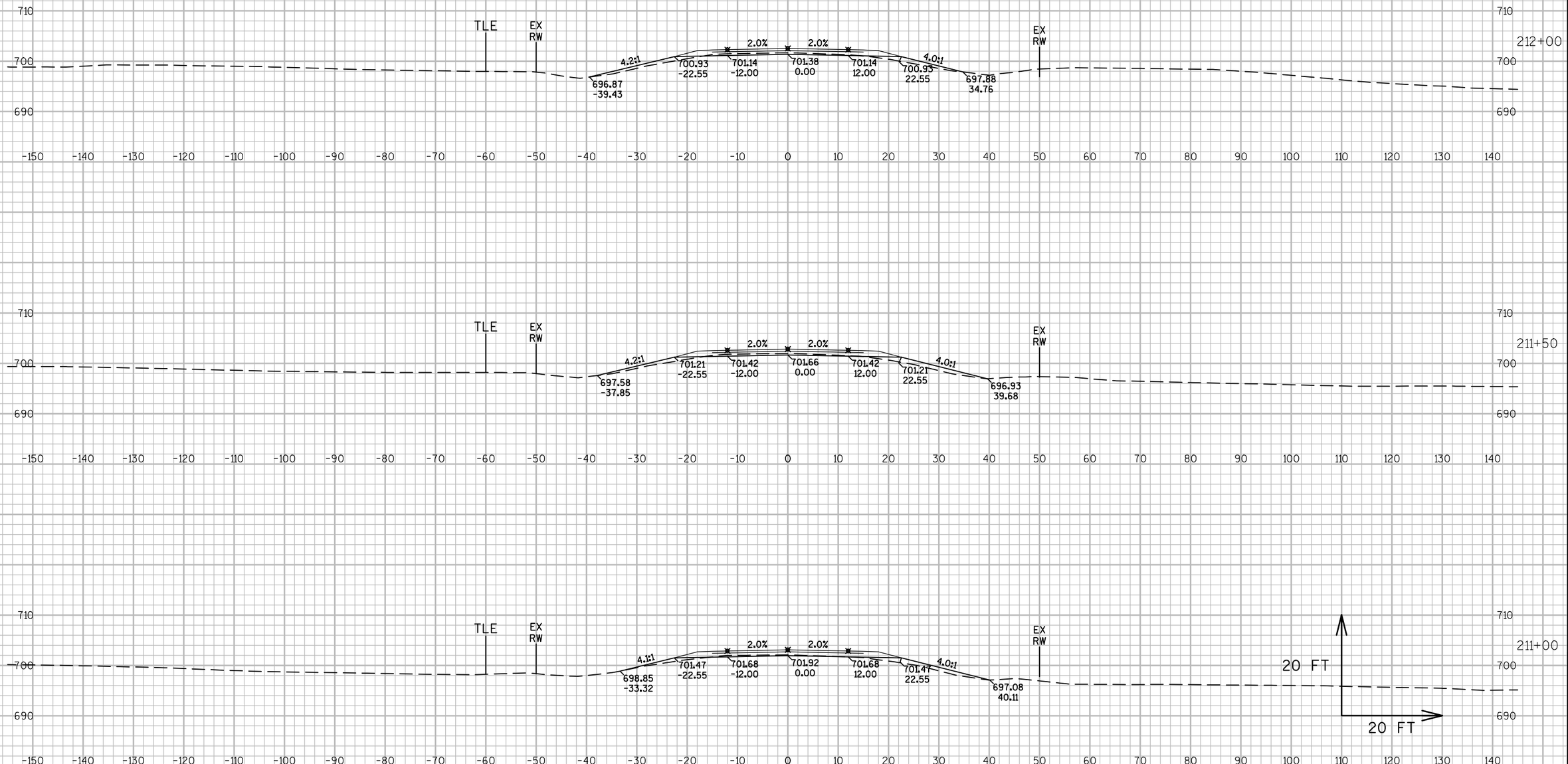
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (17)
PLOT DATE : 3/14/2016 1:49 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





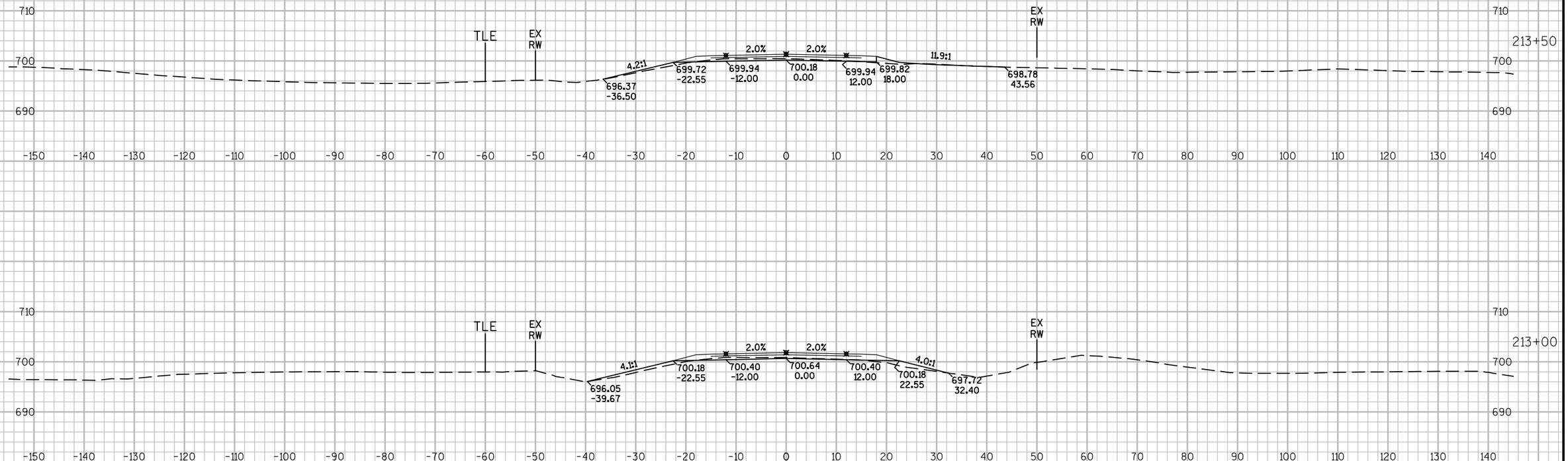
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 310	E

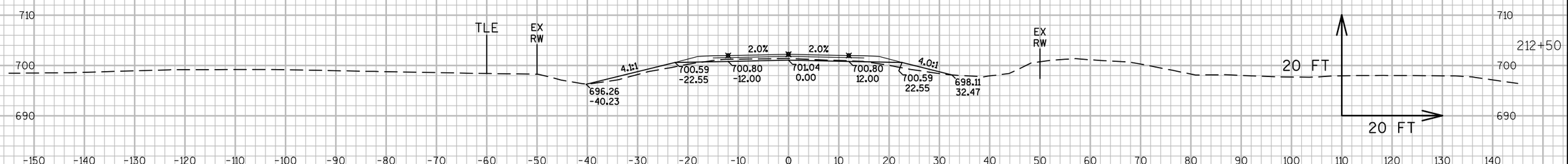
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (18)
PLOT DATE : 3/14/2016 1:49 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 311	E

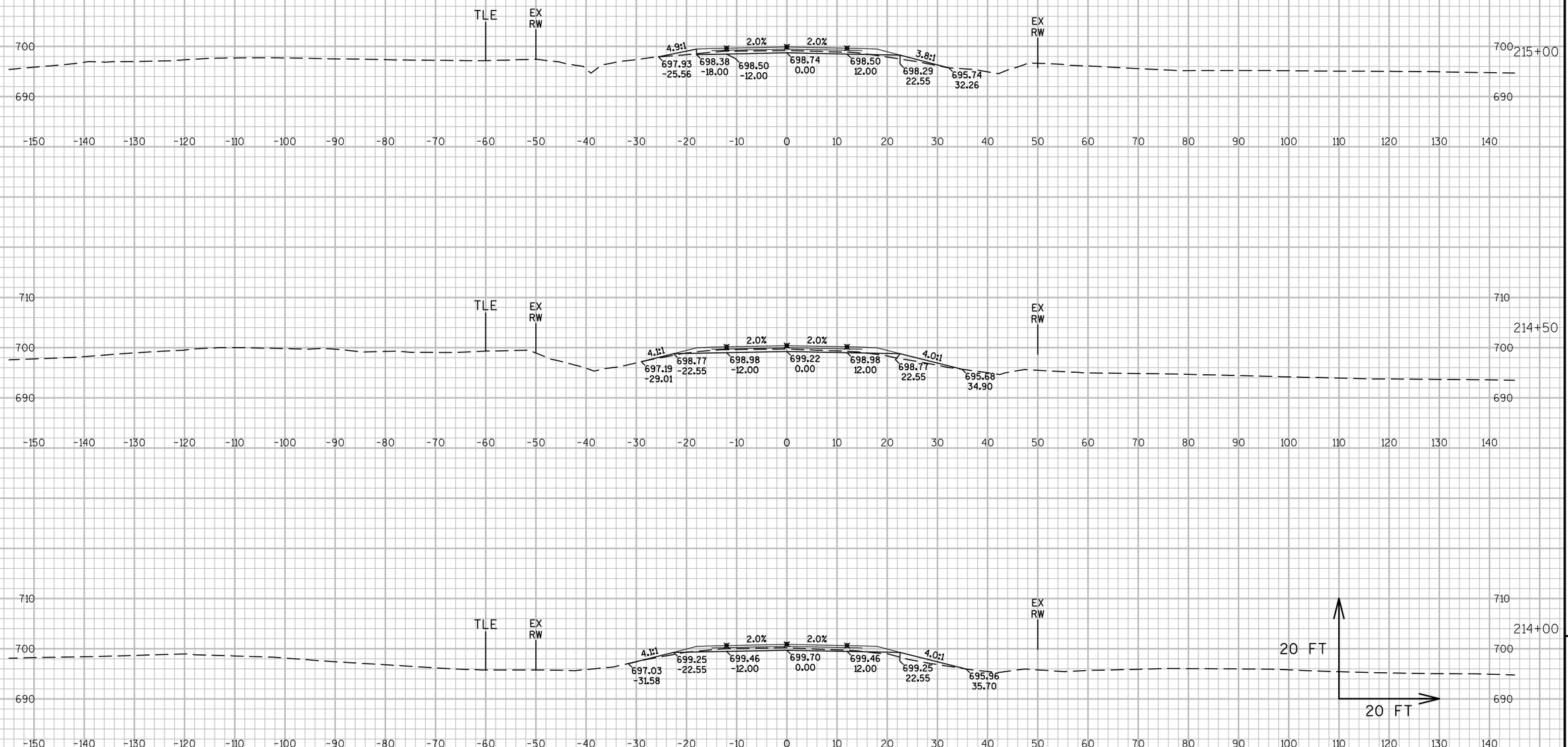
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (19)
PLOT DATE : 3/14/2016 1:50 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





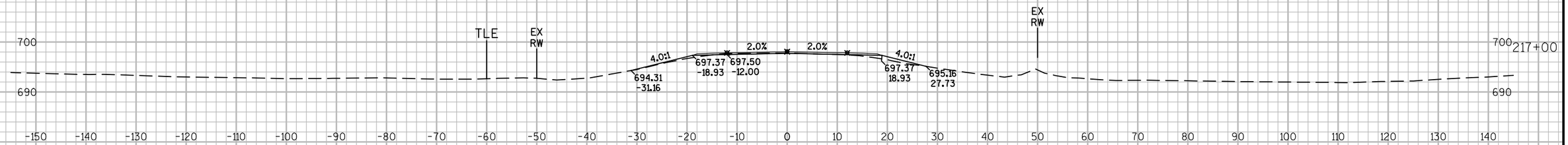
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 312 E

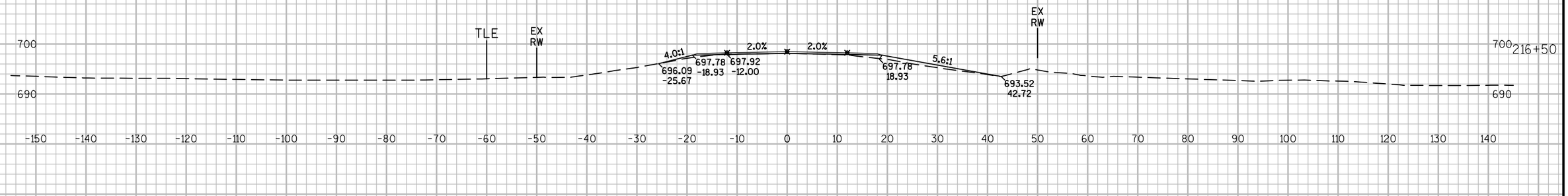
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (20)
PLOT DATE : 3/14/2016 1:50 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

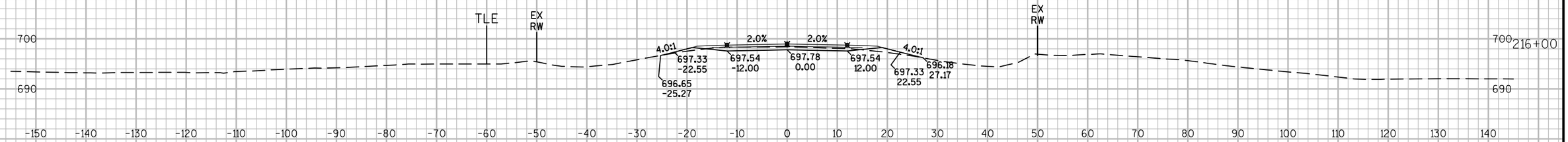


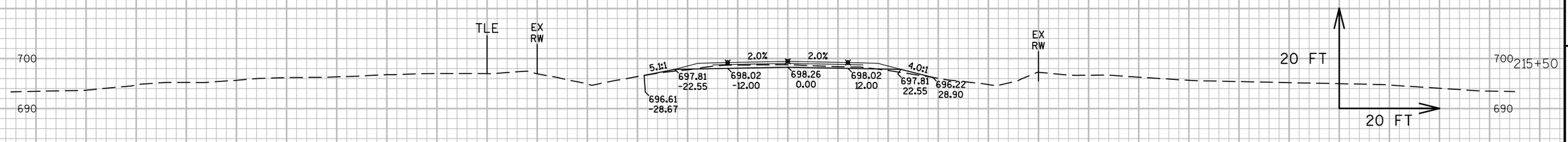
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 313	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (21)
PLOT DATE : 3/14/2016 1:51 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



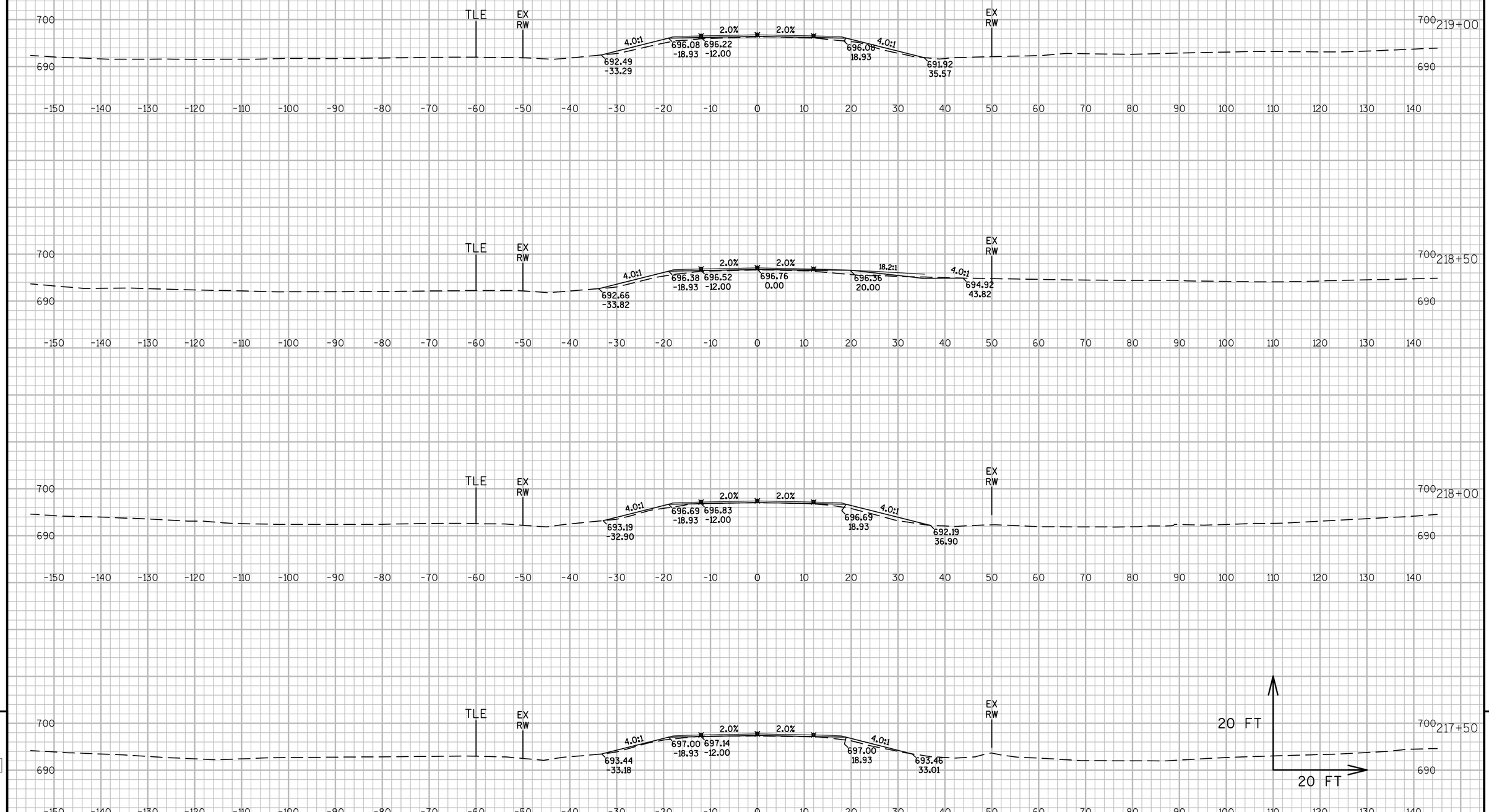






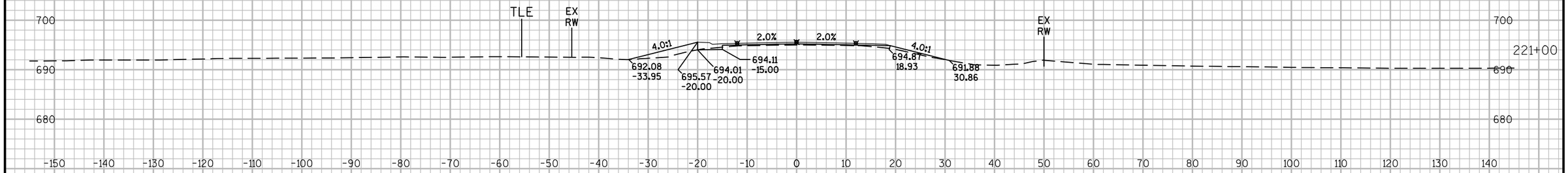
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 314	E

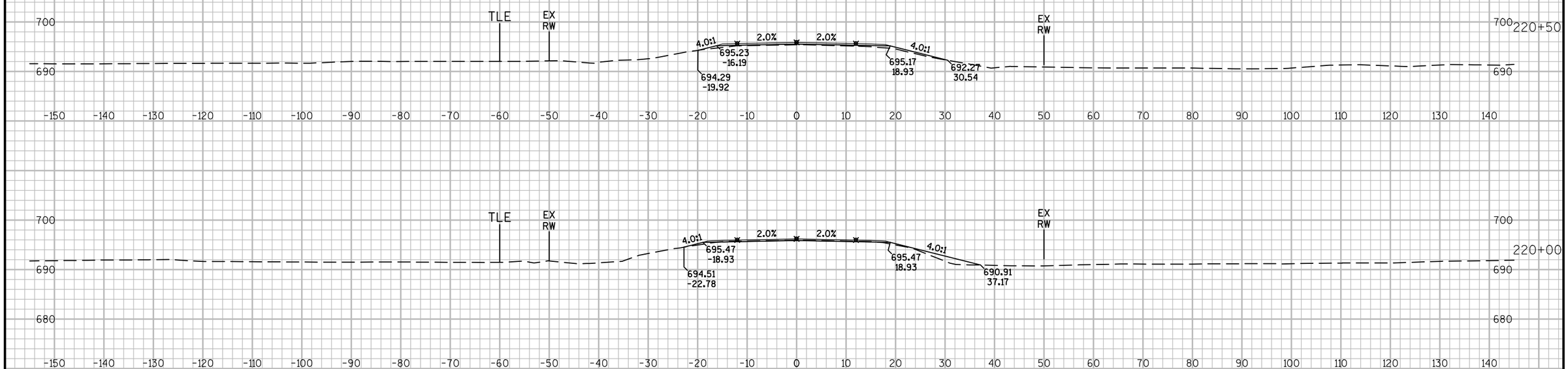
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (22)
PLOT DATE : 3/14/2016 1:51 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 315 E

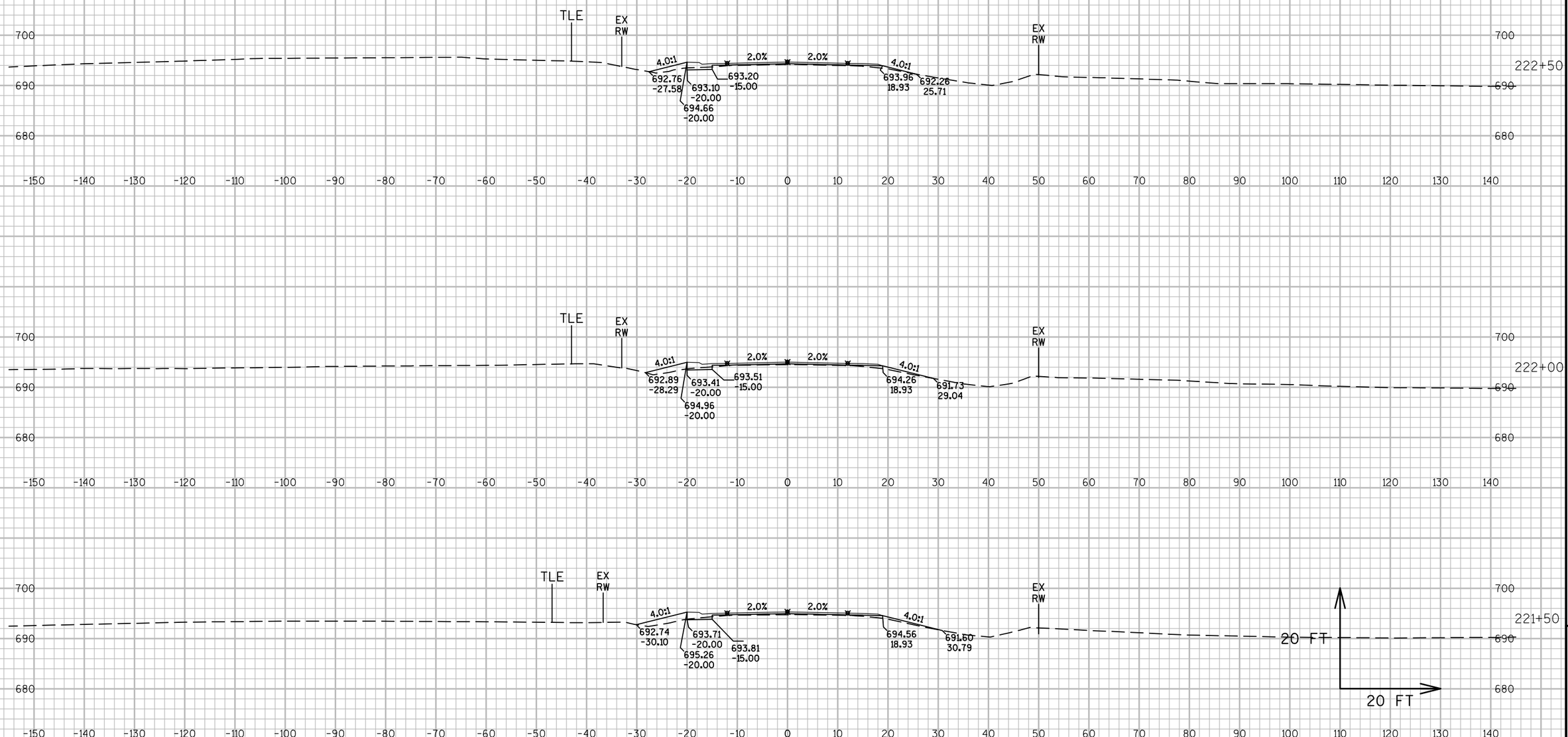
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (23)
PLOT DATE : 3/14/2016 1:52 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





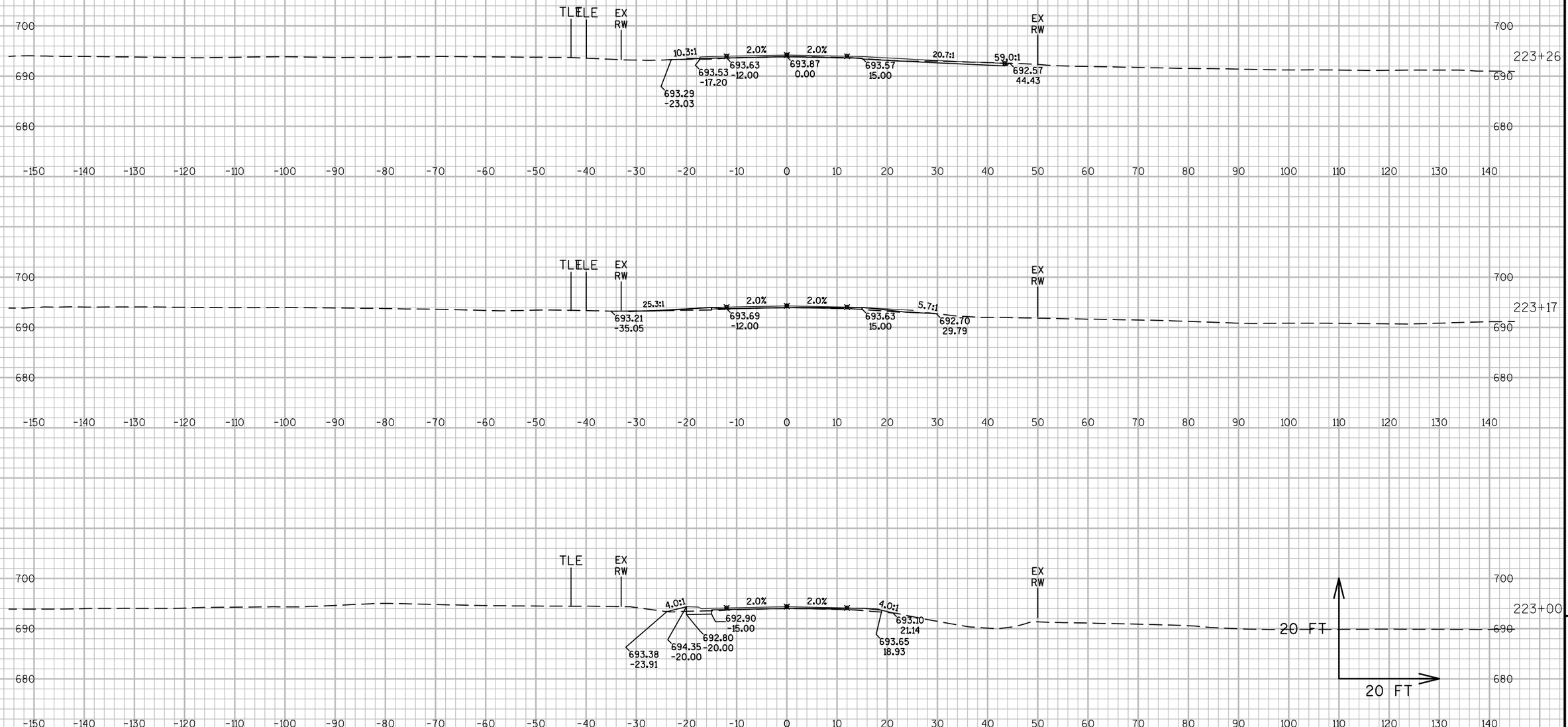


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 316	E



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 317	E

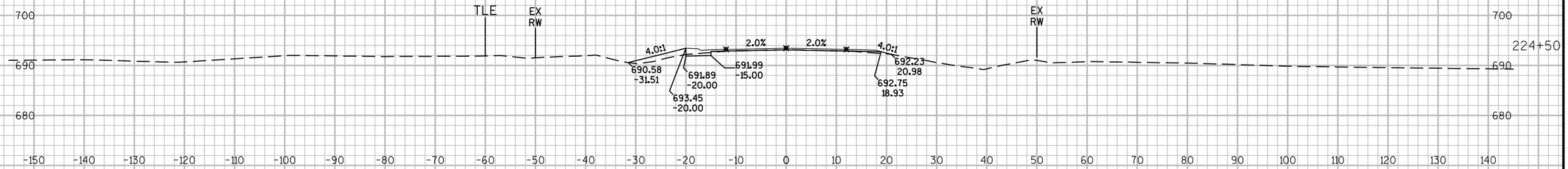
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (25)
PLOT DATE : 3/14/2016 1:53 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

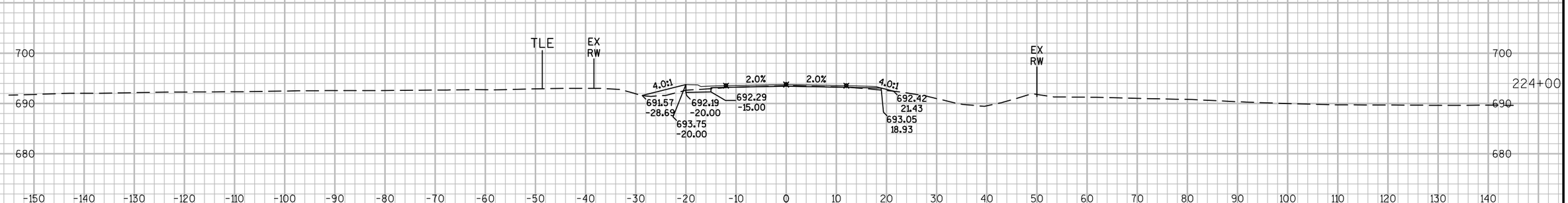


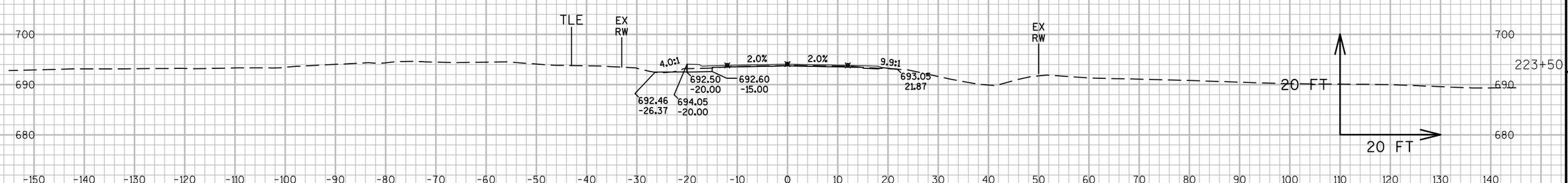
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 318 E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (26)

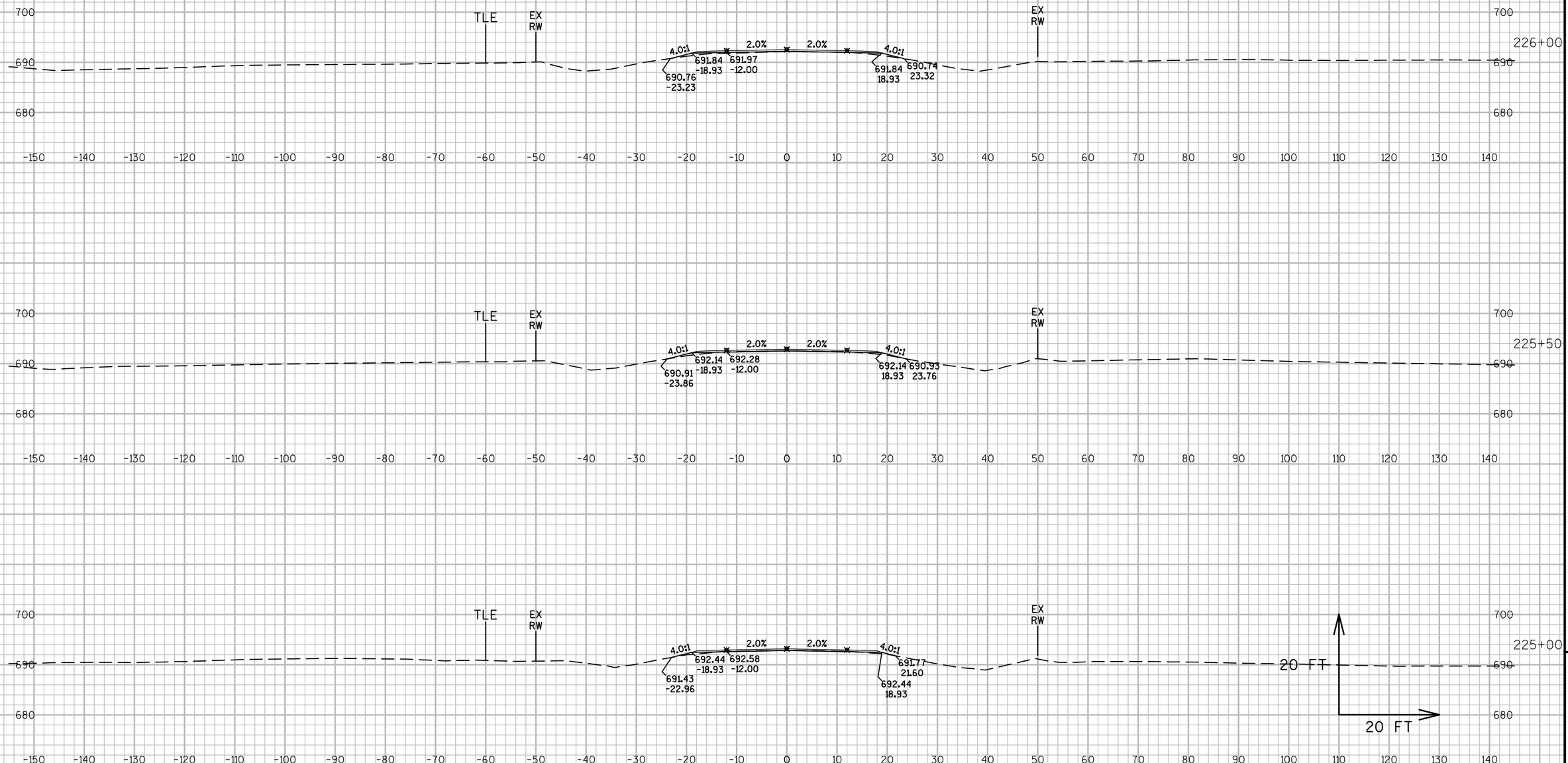
PLOT DATE : 3/14/2016 1:53 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF



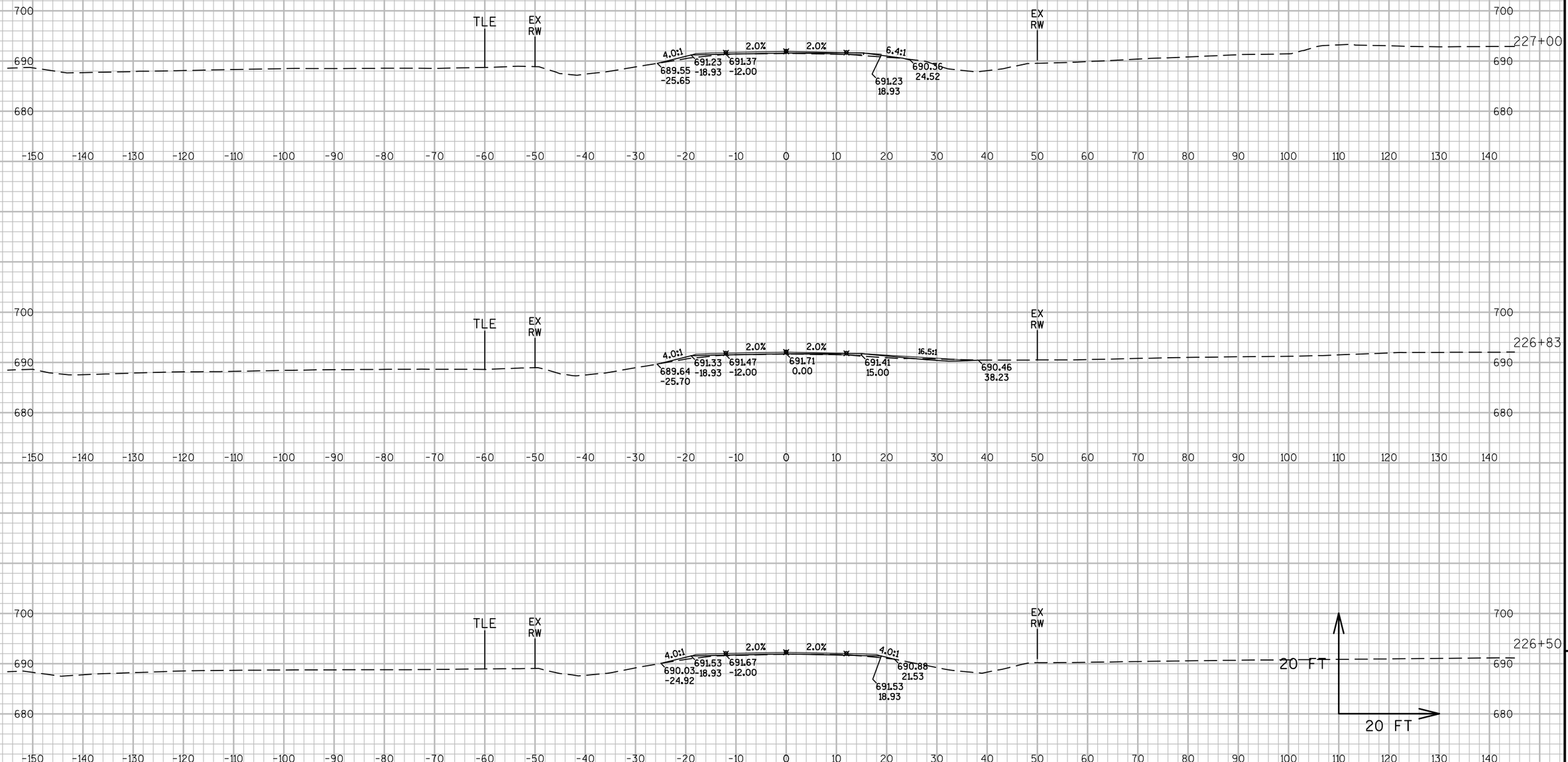




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 319	E

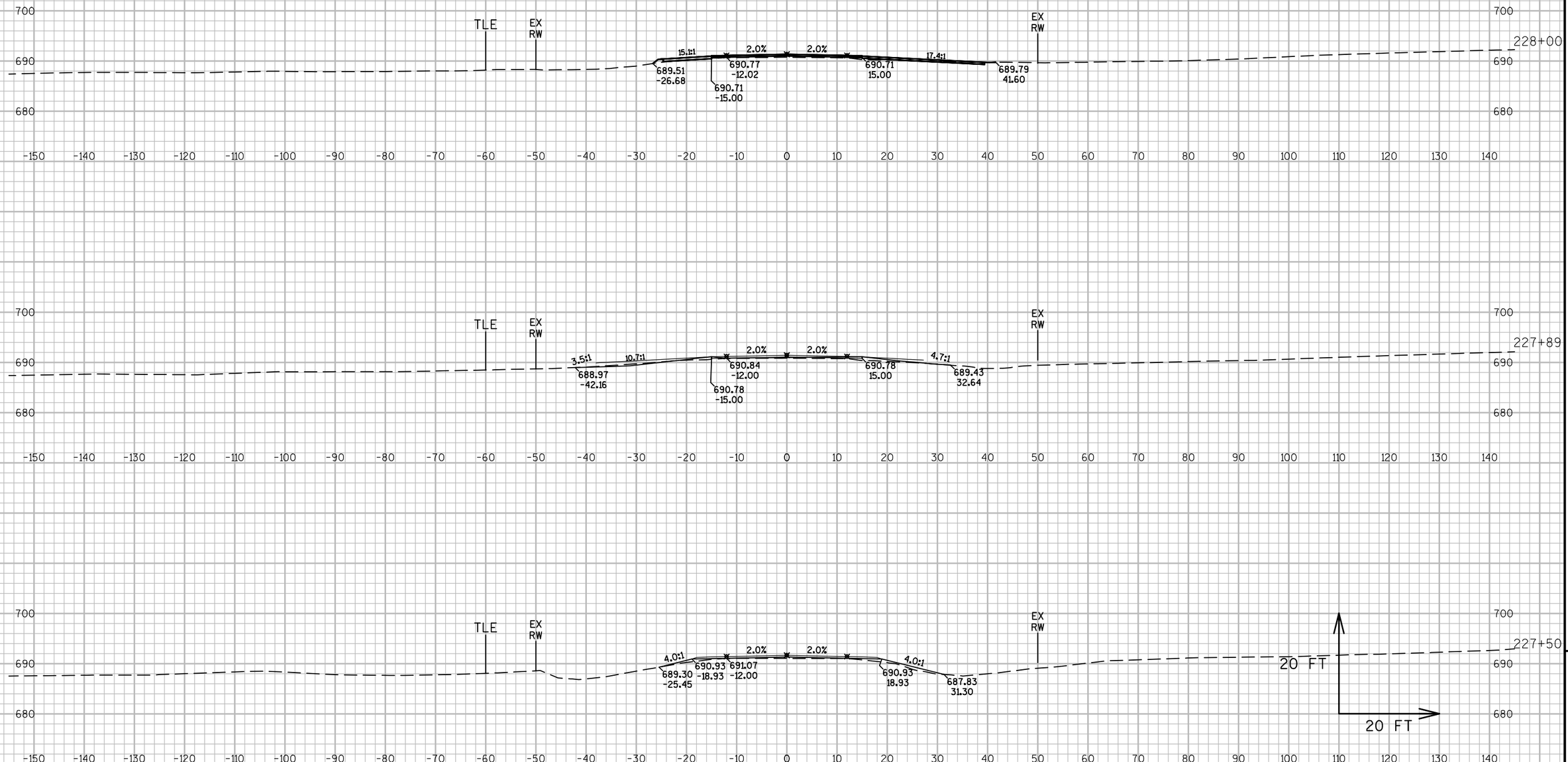


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 320	E



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 321	E

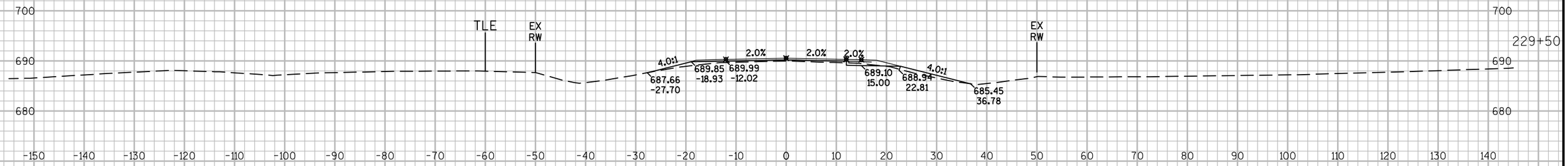
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (29)
PLOT DATE : 3/14/2016 1:55 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

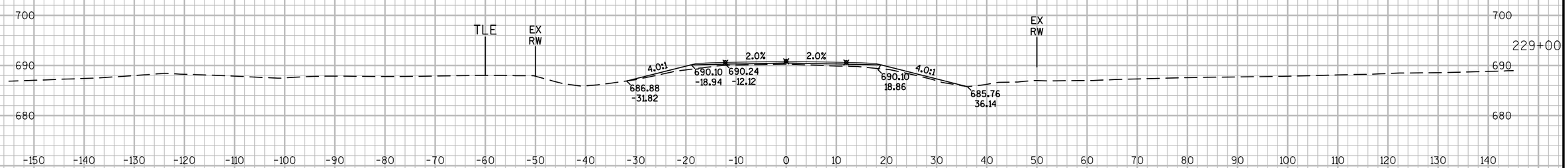


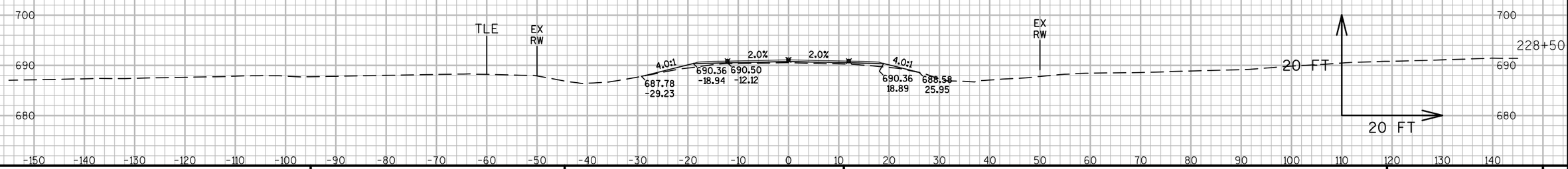
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 322	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (30)

PLOT DATE : 3/14/2016 1:56 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

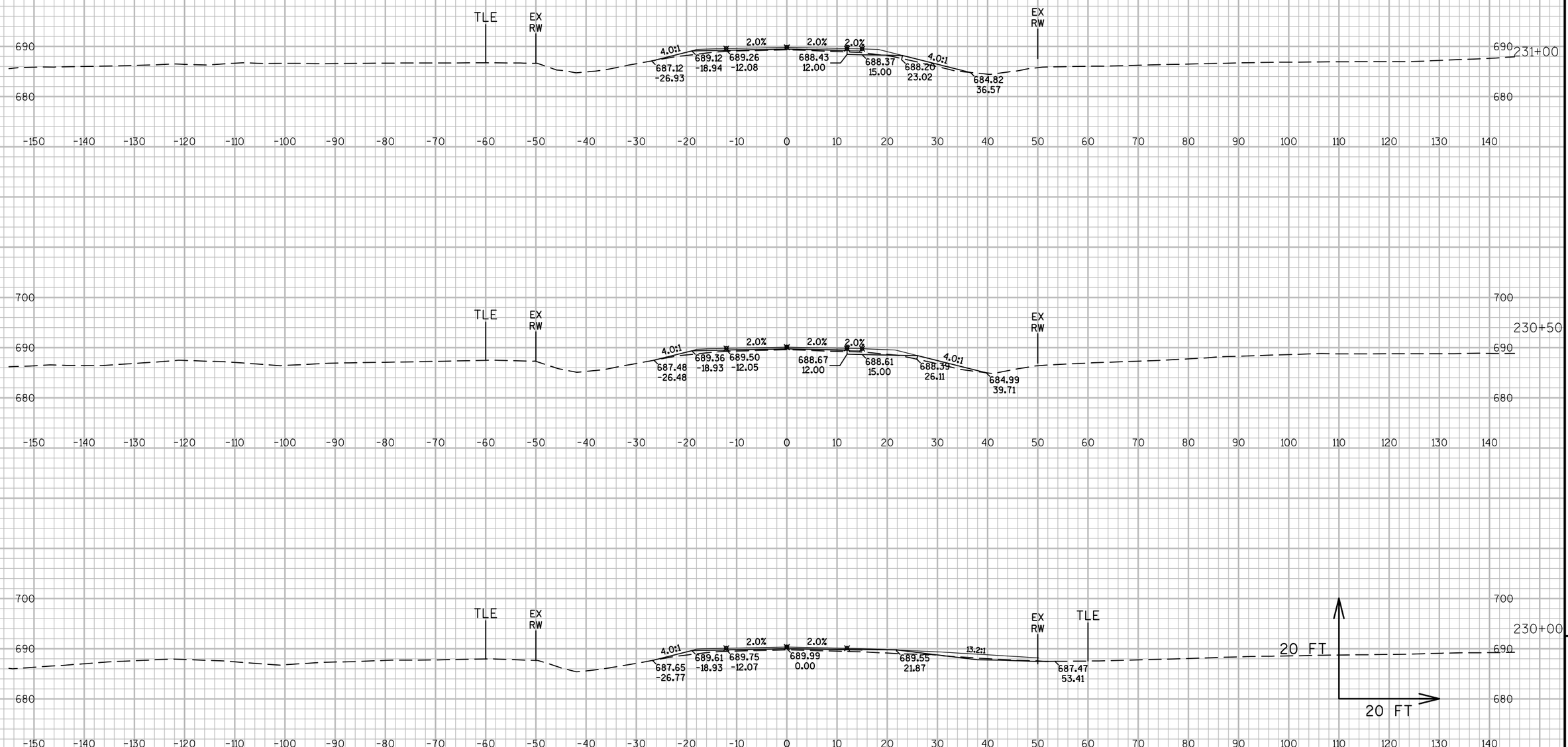






PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 323	E

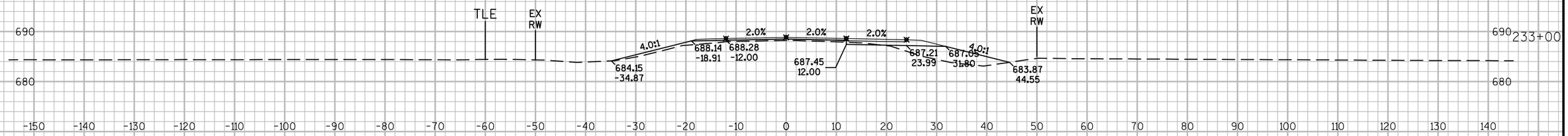
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (31)
PLOT DATE : 3/14/2016 1:56 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

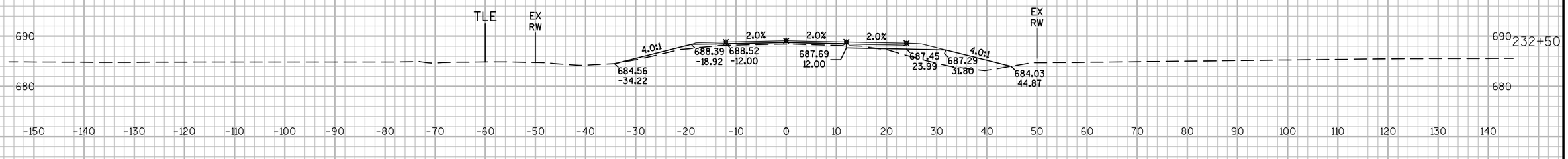


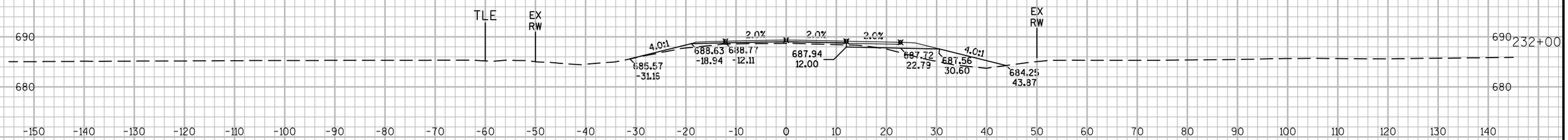
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 324	E

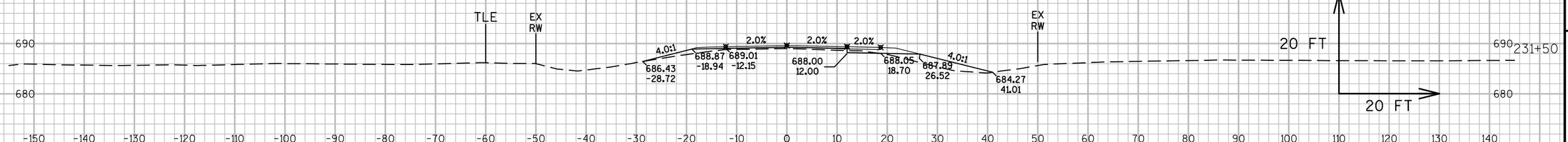
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (32)

PLOT DATE : 3/14/2016 1:57 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF



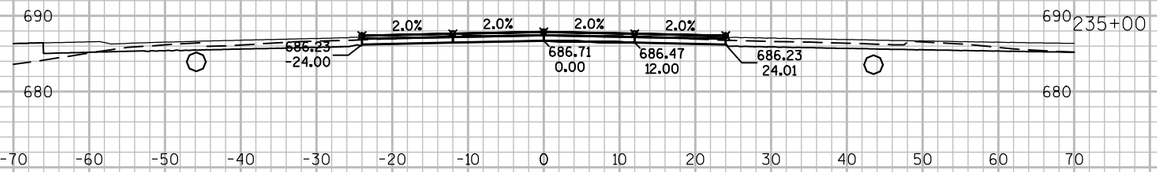


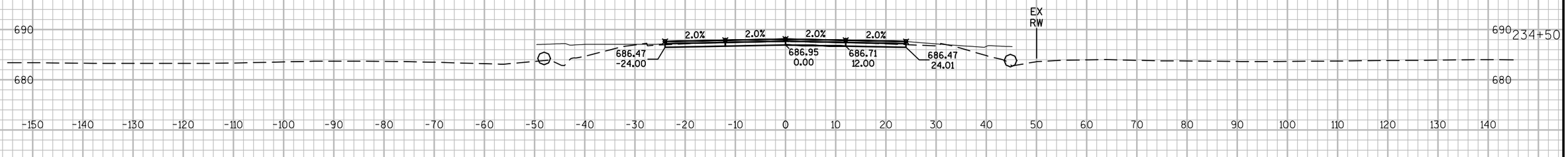


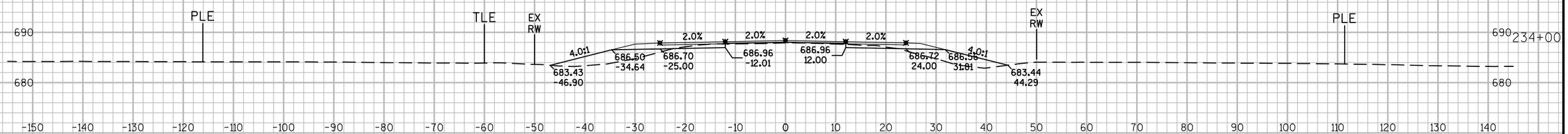


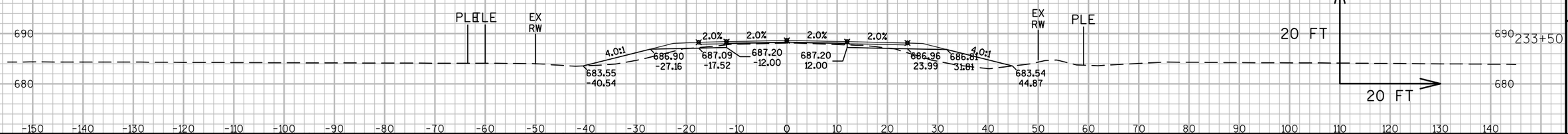
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 325	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (33)
PLOT DATE : 3/14/2016 1:57 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

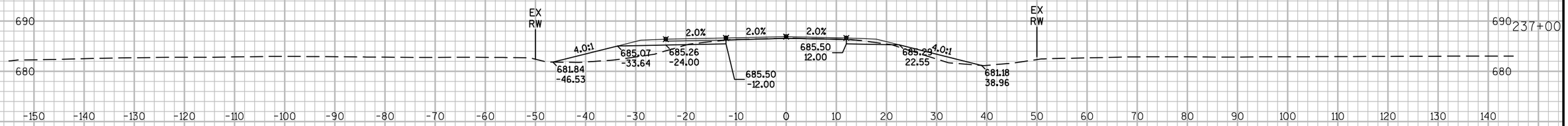


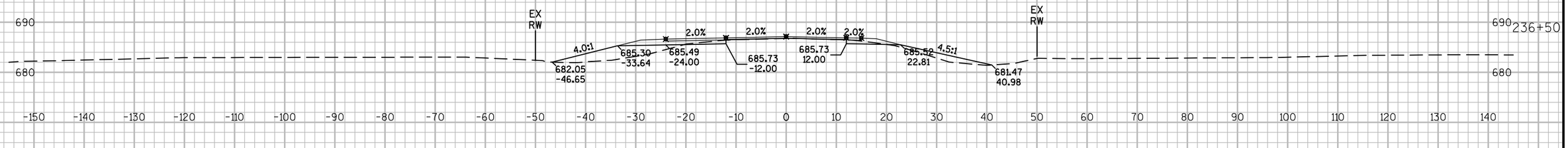


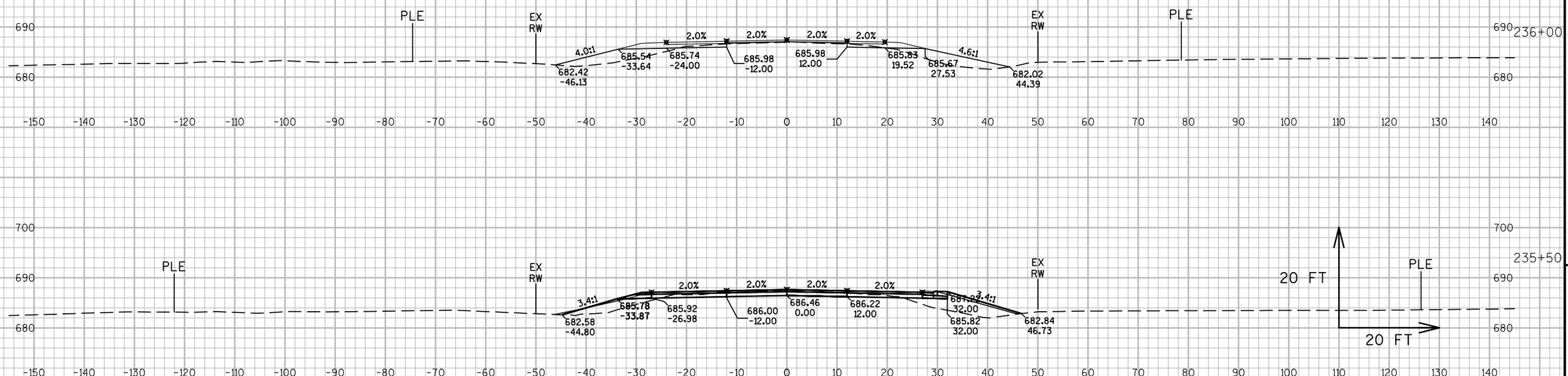




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 326	E

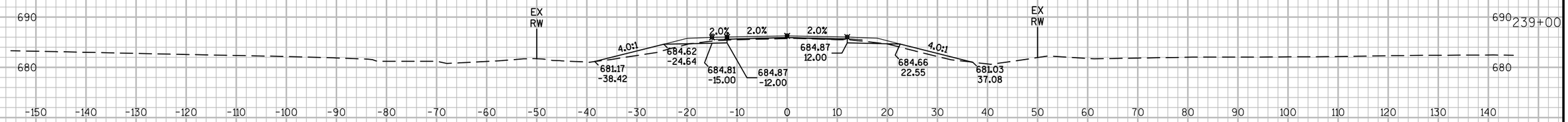


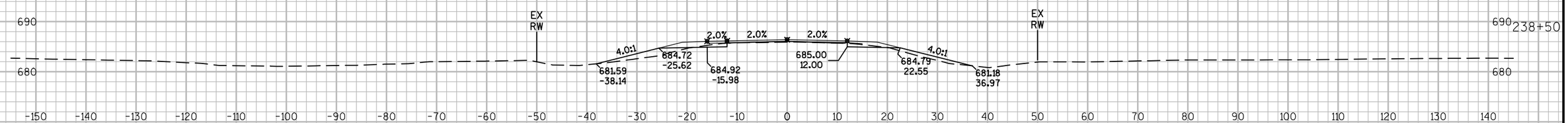


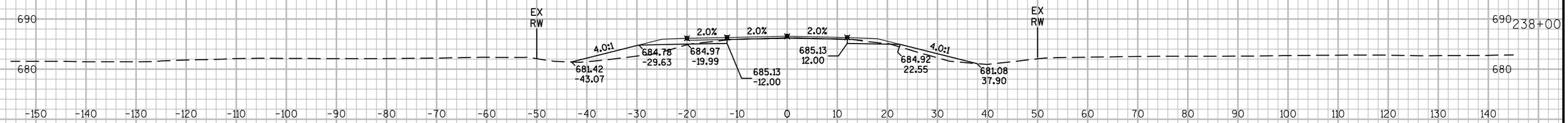


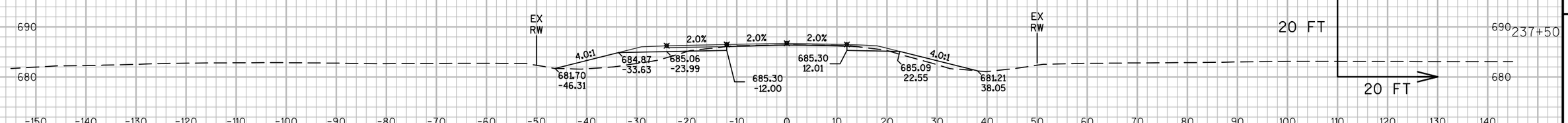
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 327	E

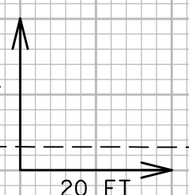
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (35)
PLOT DATE : 3/14/2016 1:58 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



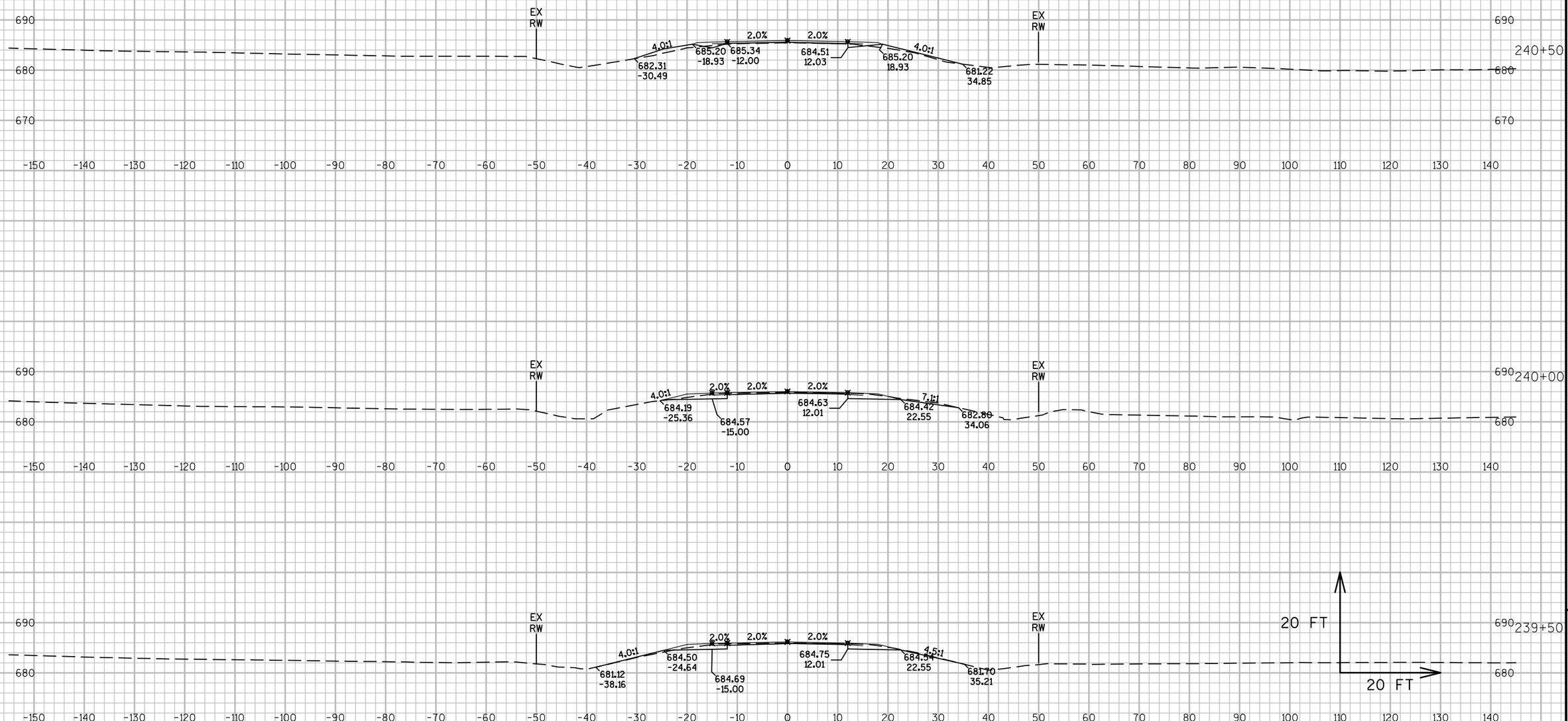






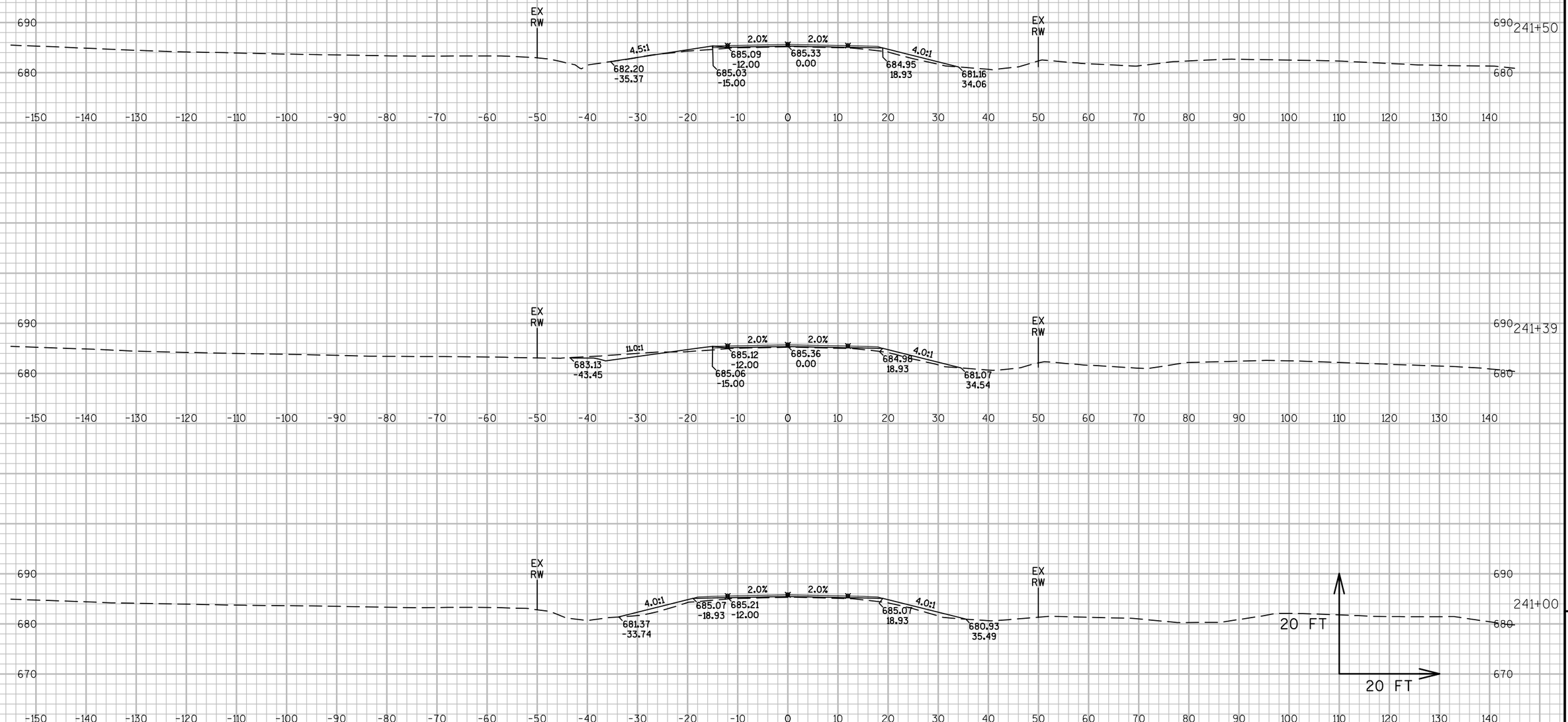


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 328	E



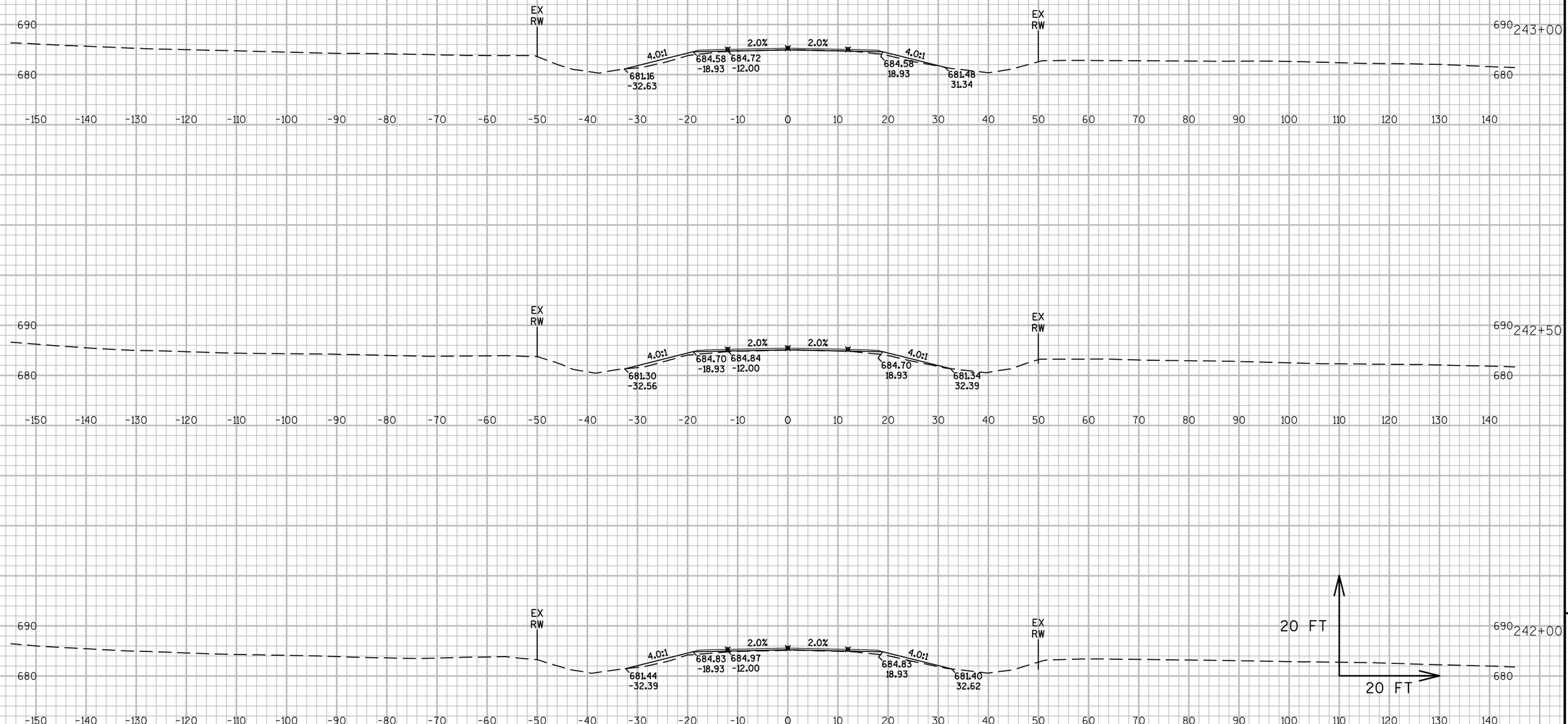
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 329	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (37)
PLOT DATE : 3/14/2016 1:59 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



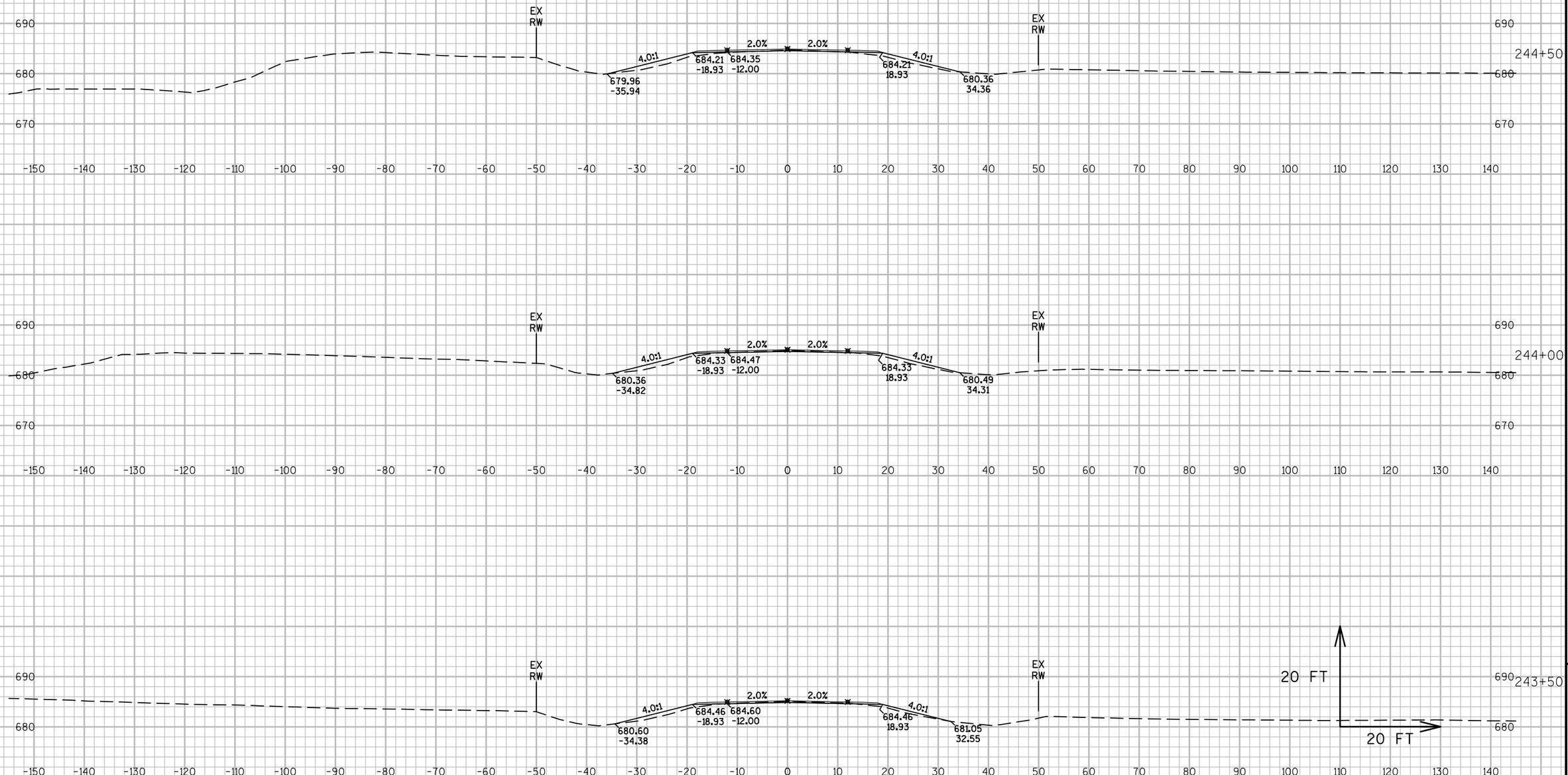
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 330	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (38)
PLOT DATE : 3/14/2016 2:00 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

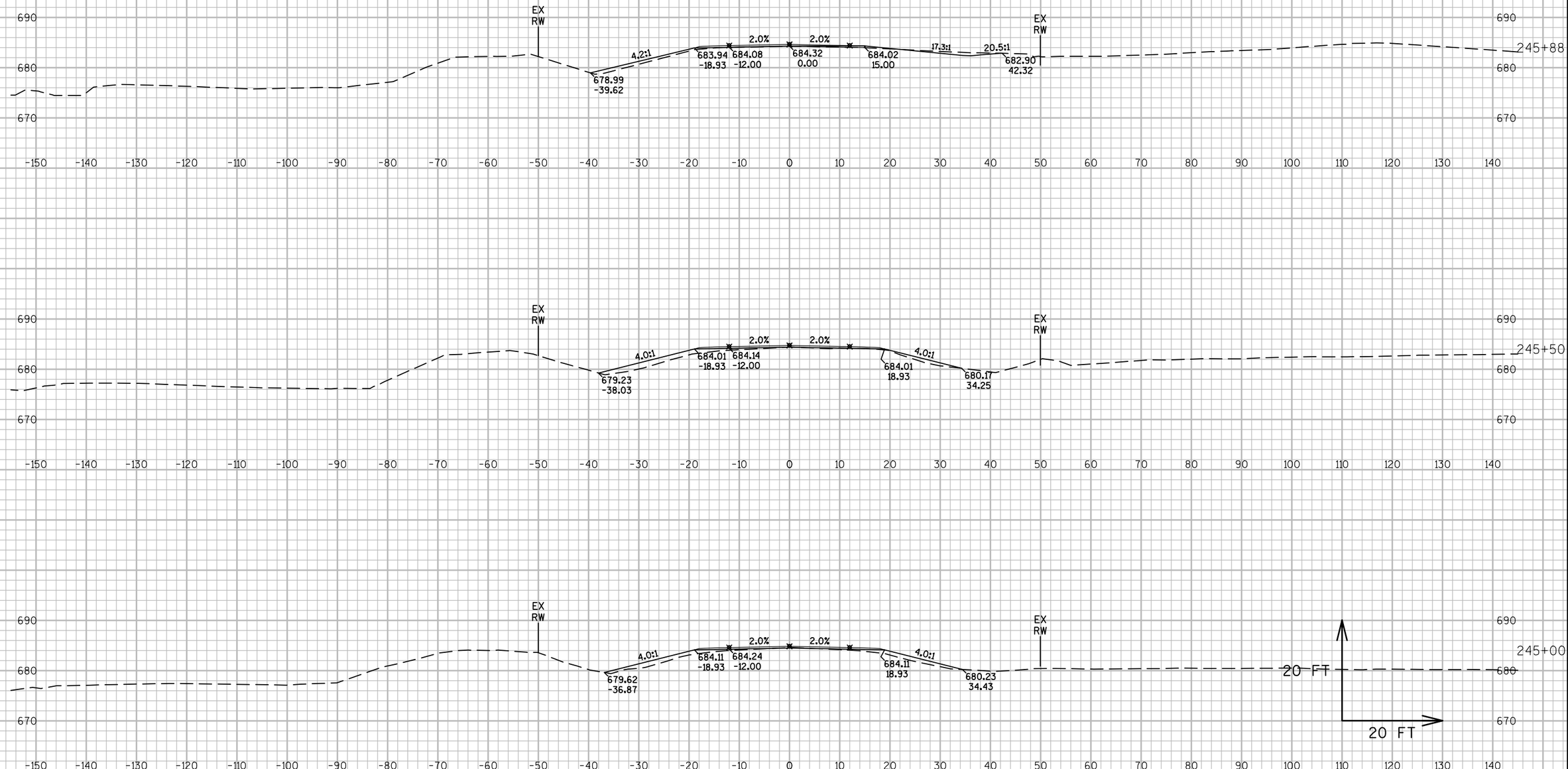


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 331	E

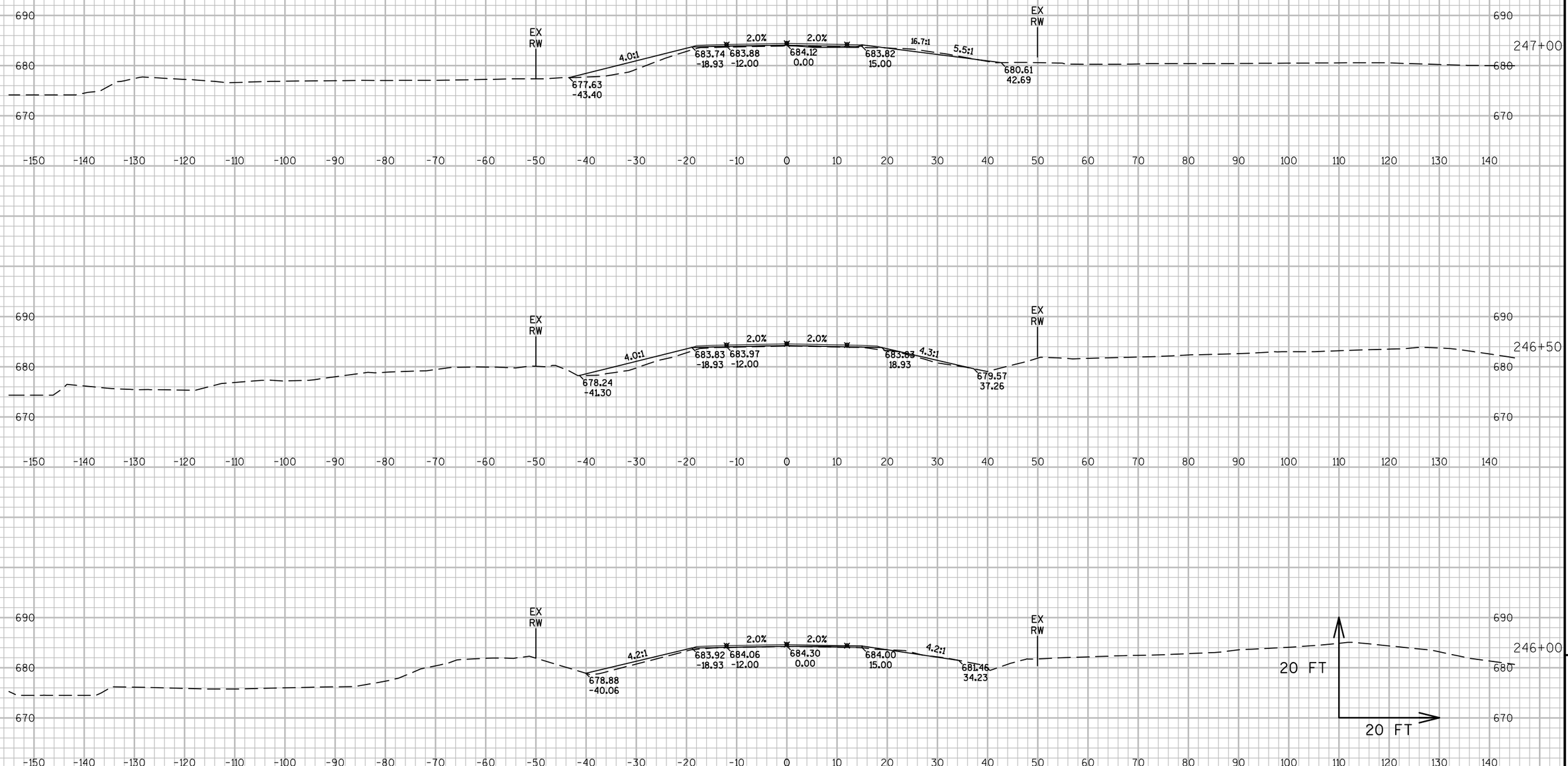
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (39)
PLOT DATE : 3/14/2016 2:00 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 332 E

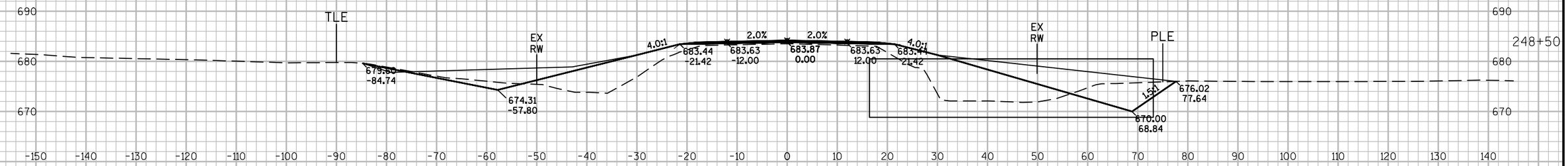


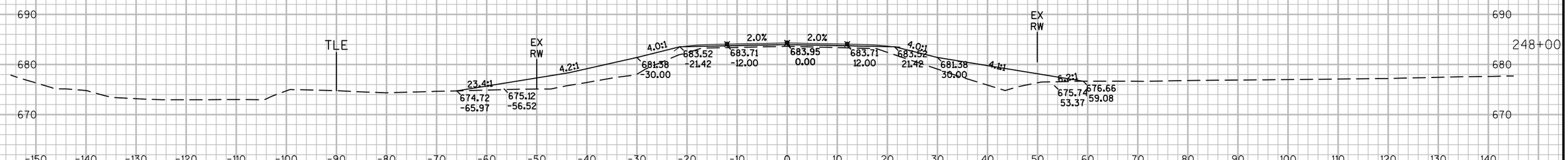
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 333	E

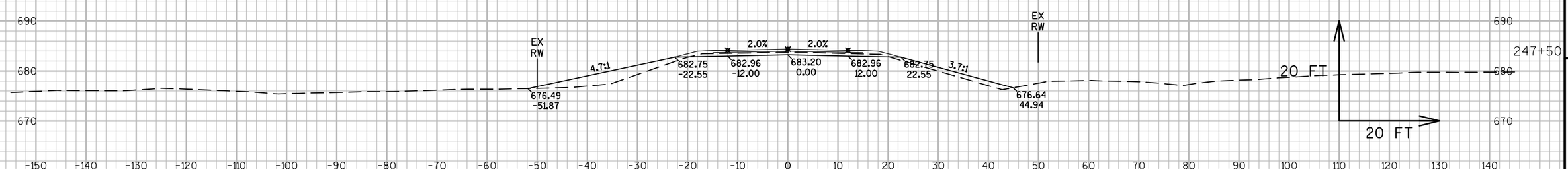


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 334	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (42)
PLOT DATE : 3/14/2016 2:02 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





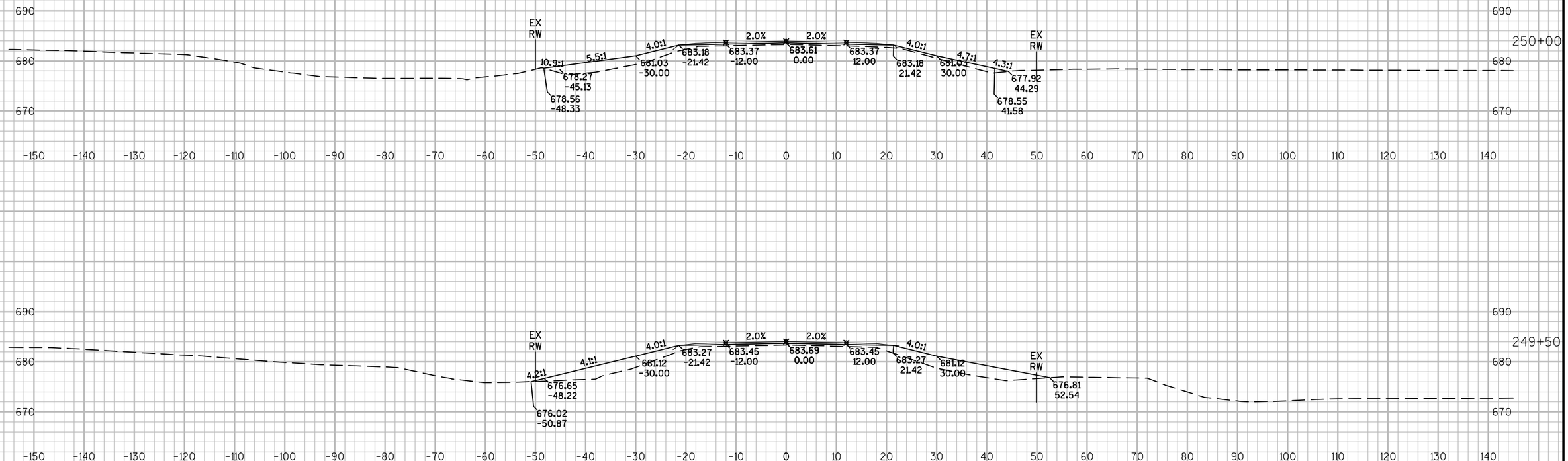


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 335	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (43)

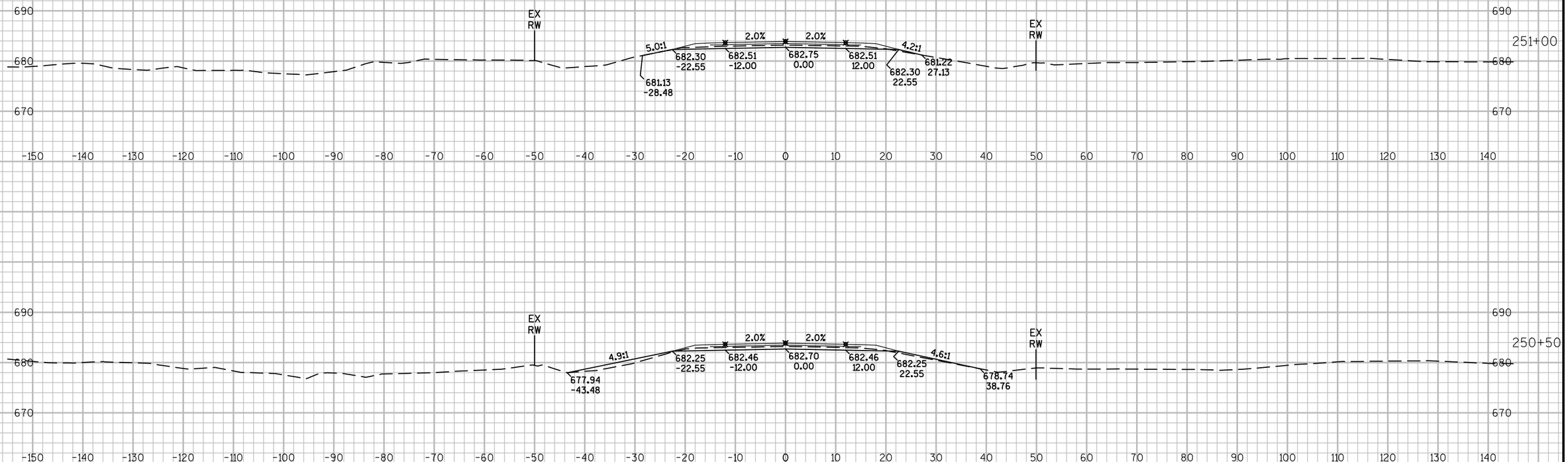
PLOT DATE : 3/14/2016 2:02 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

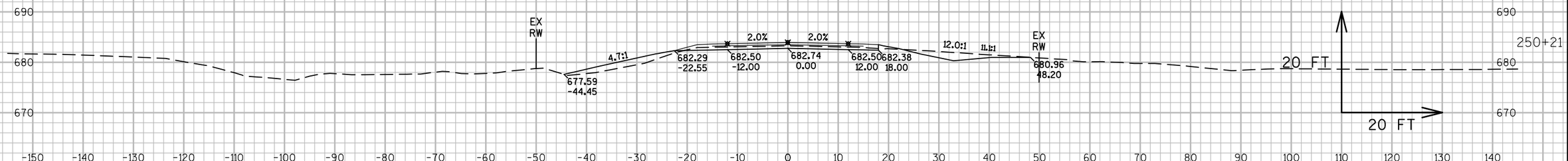
WISDOT/CADDS SHEET 49



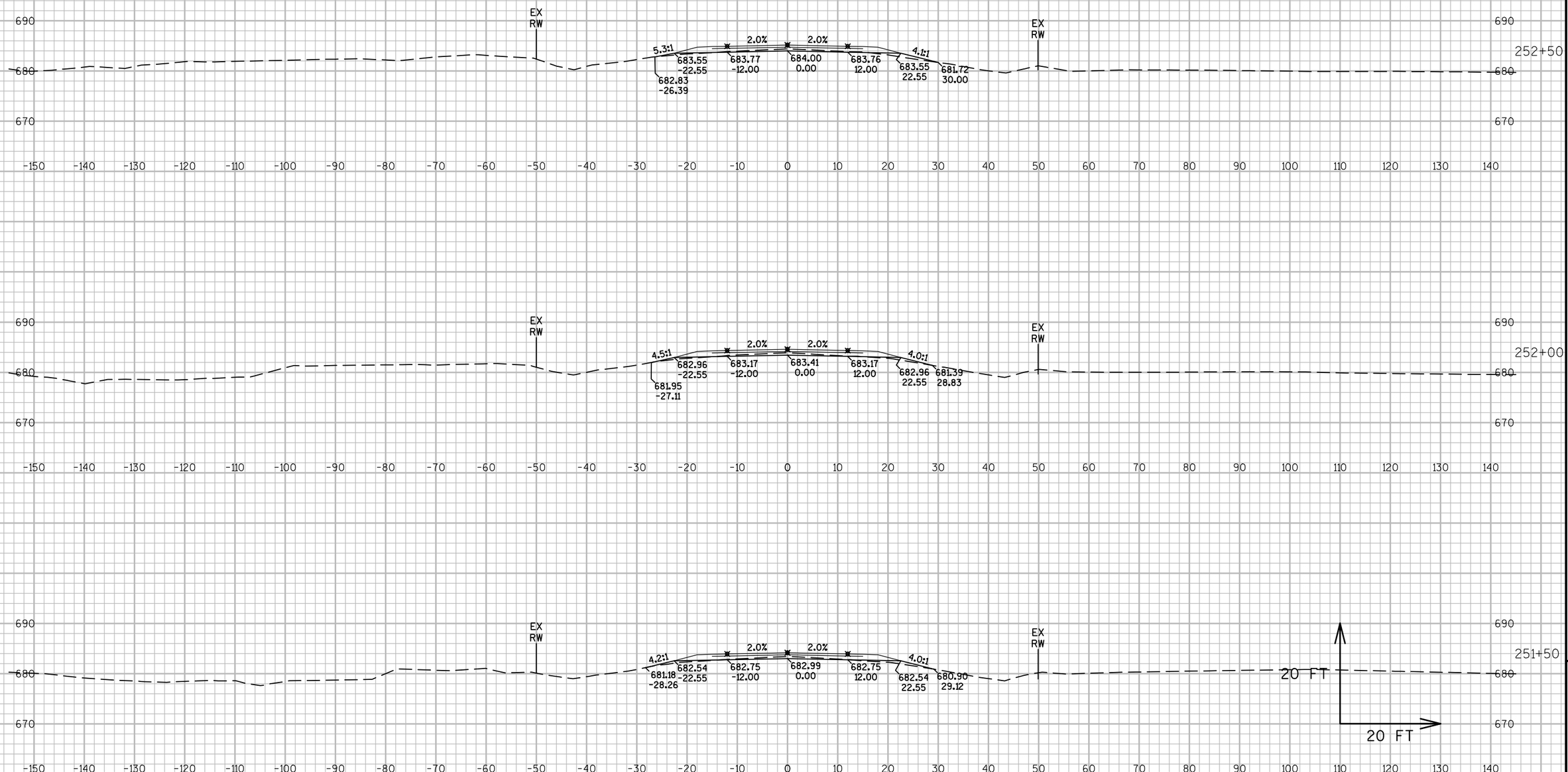
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 336	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (44)
PLOT DATE : 3/14/2016 2:03 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

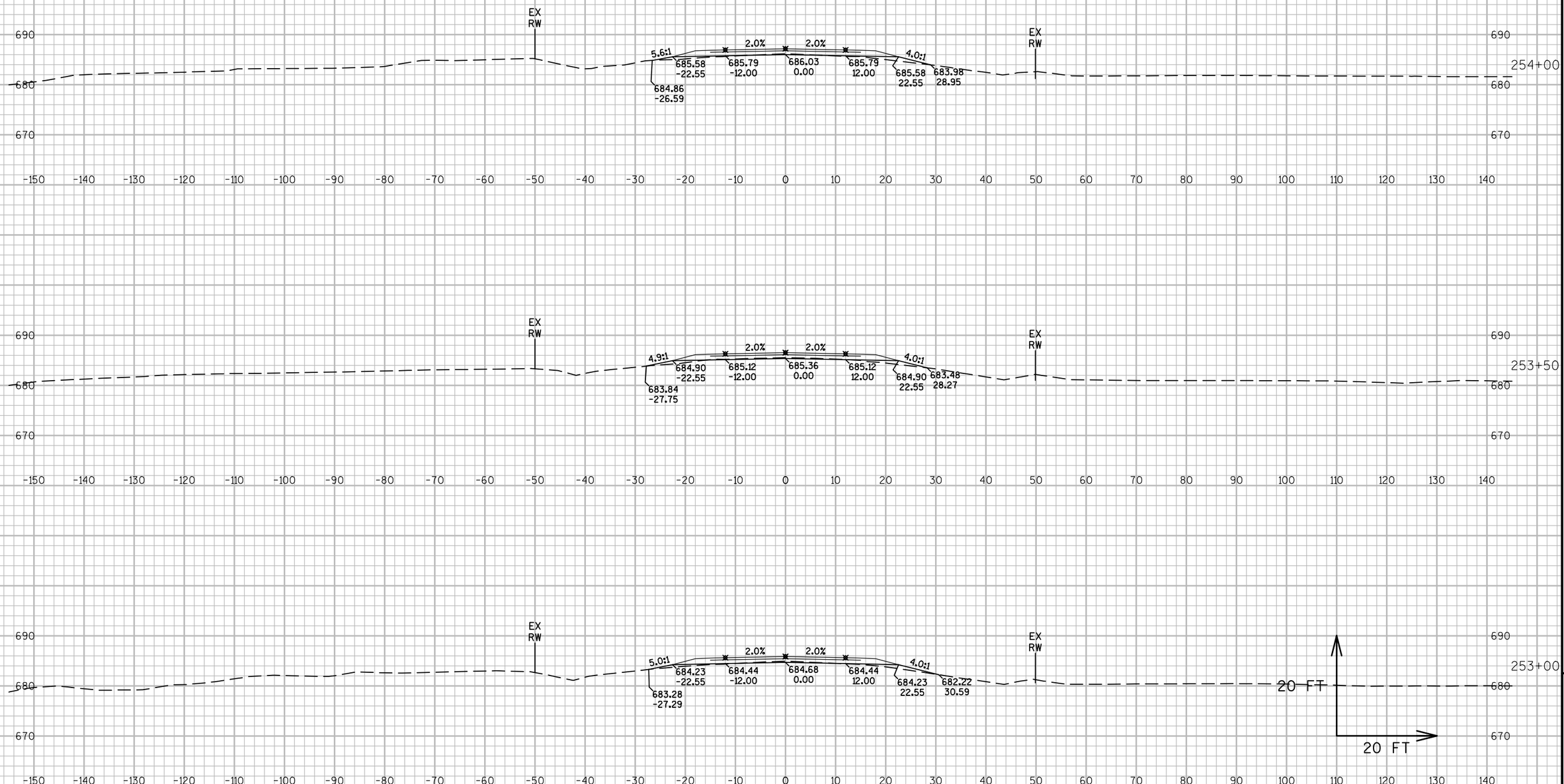




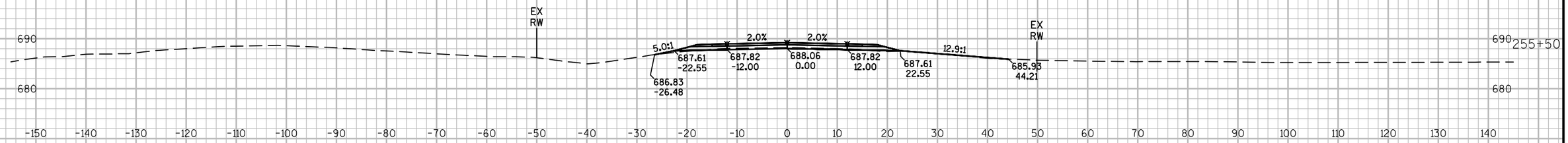
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 337	E

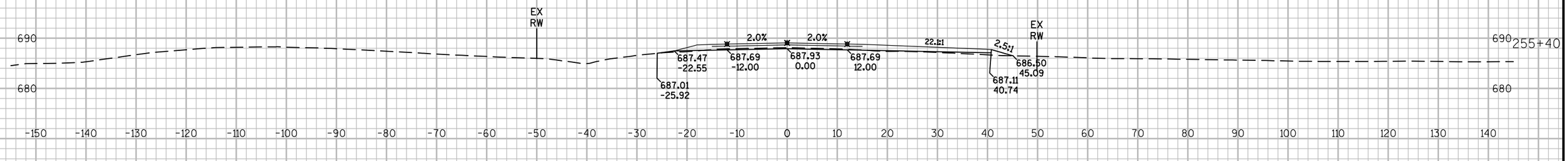


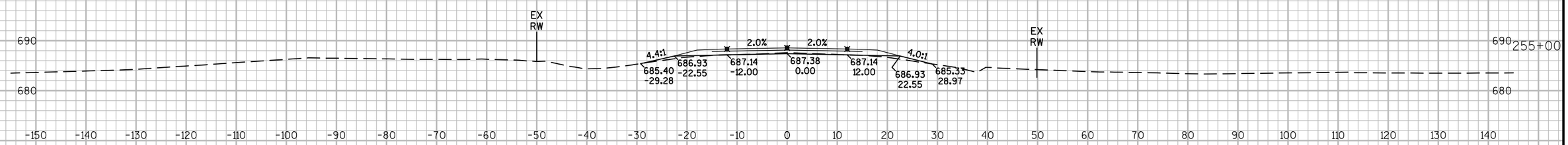
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 338	E

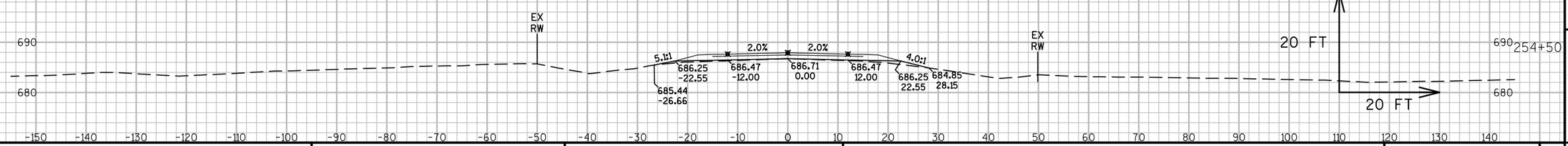


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 339	E



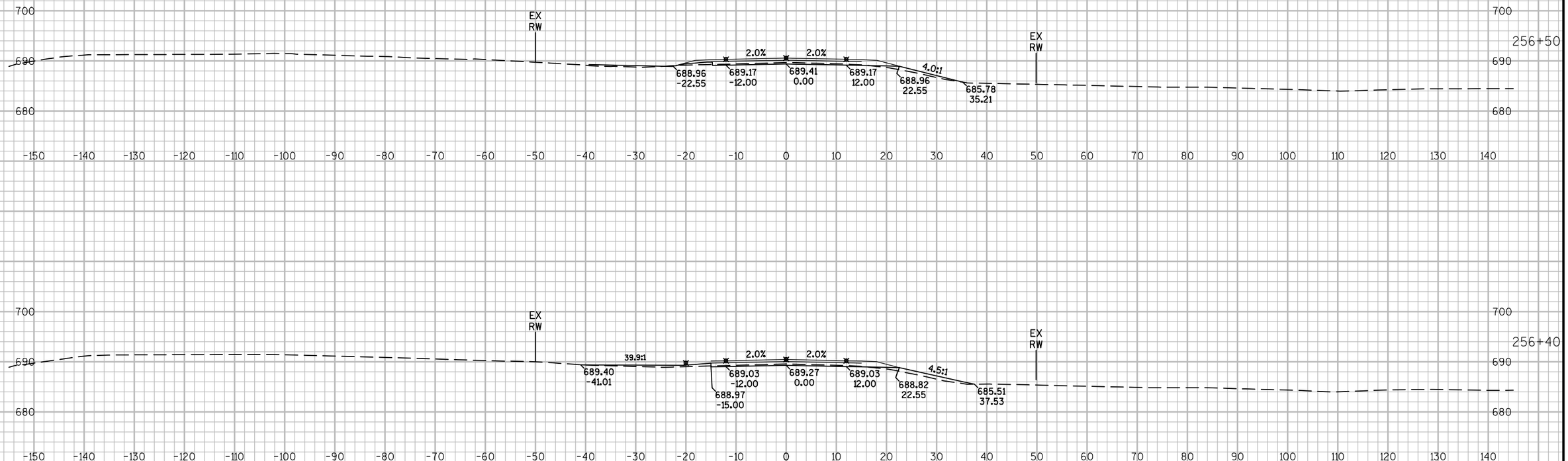


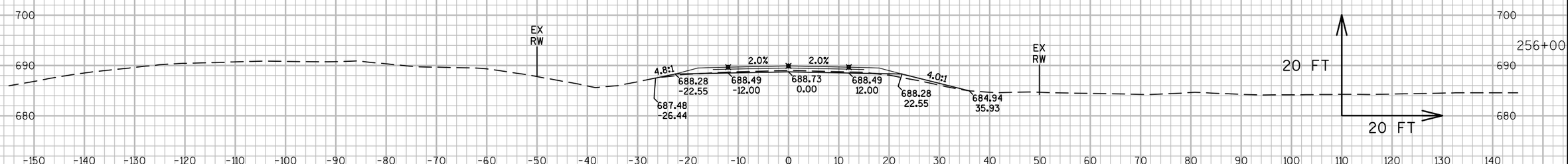




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 340	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (48)
PLOT DATE : 3/14/2016 2:05 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

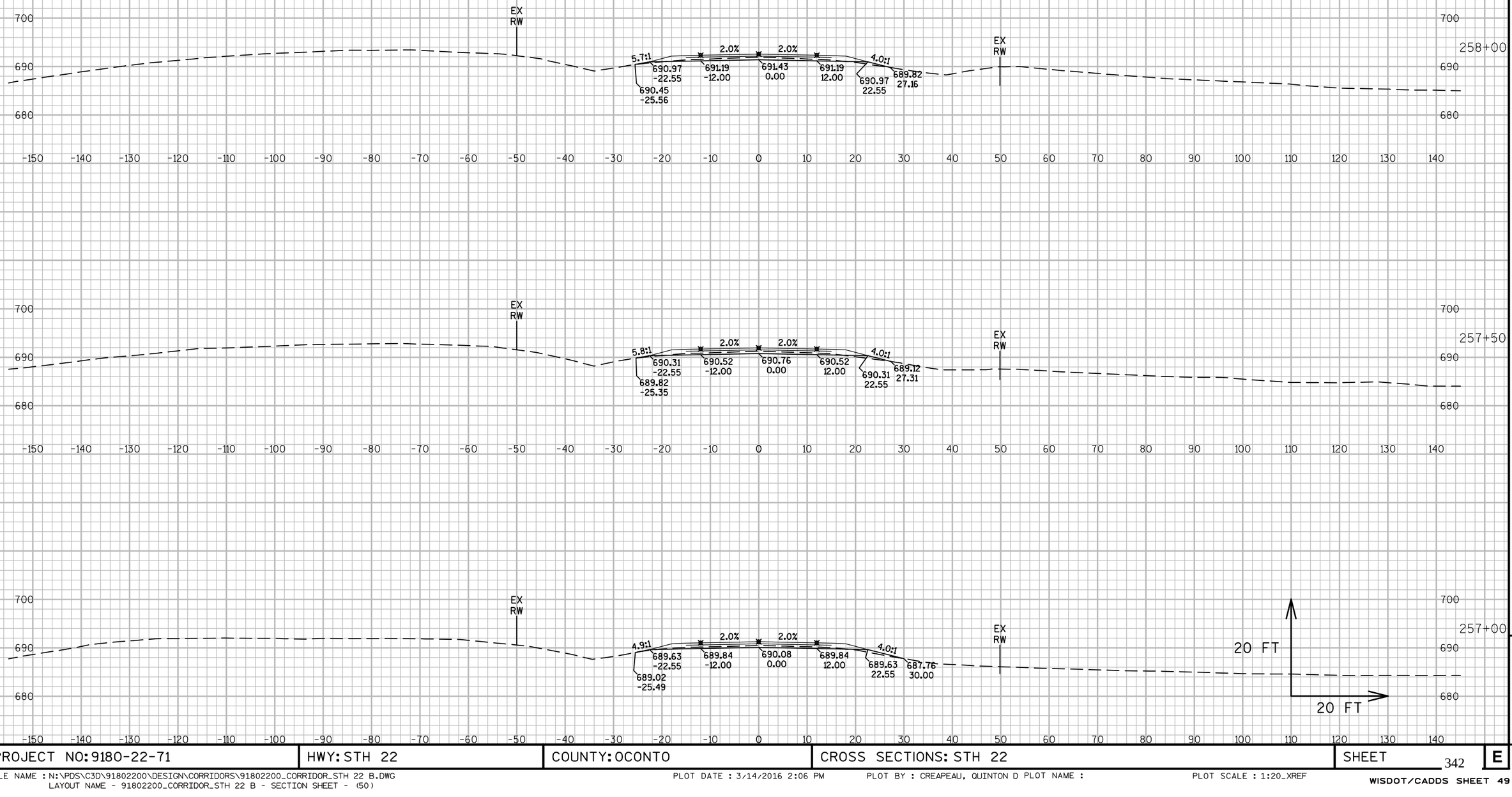




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 341	E

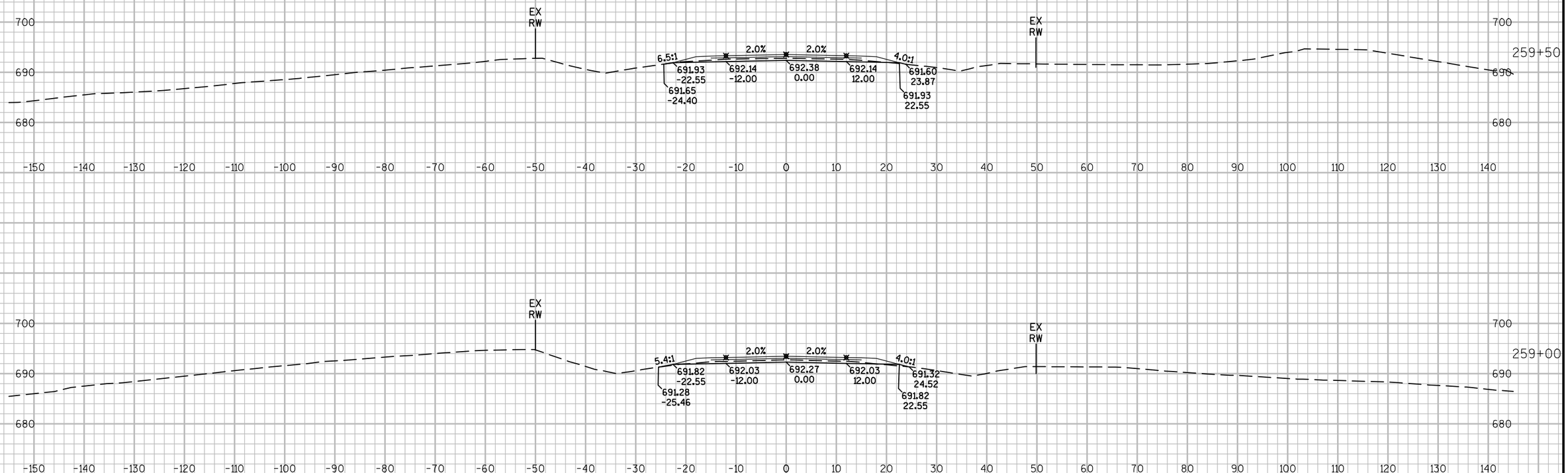
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (49)

PLOT DATE : 3/14/2016 2:05 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF



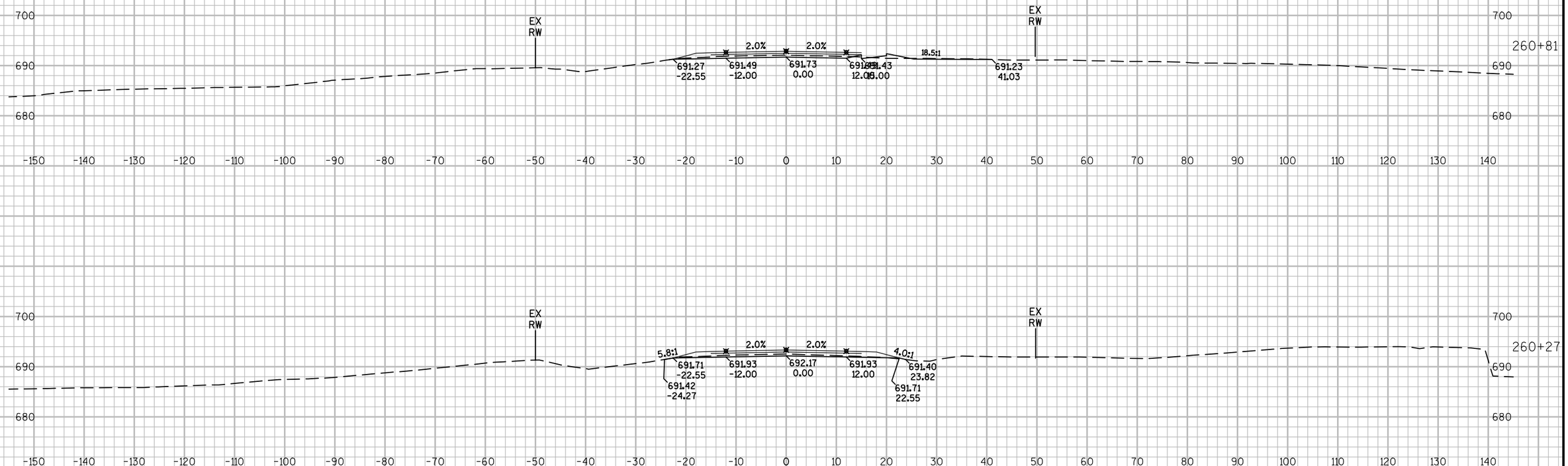
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 342 E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (50)
PLOT DATE : 3/14/2016 2:06 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



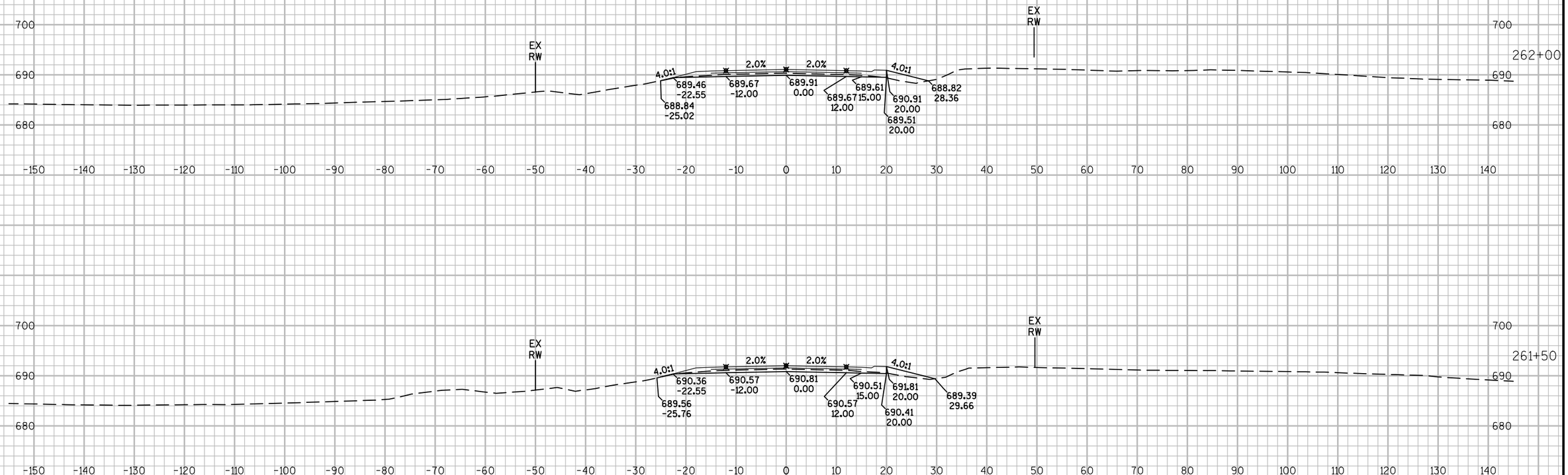
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 343	E

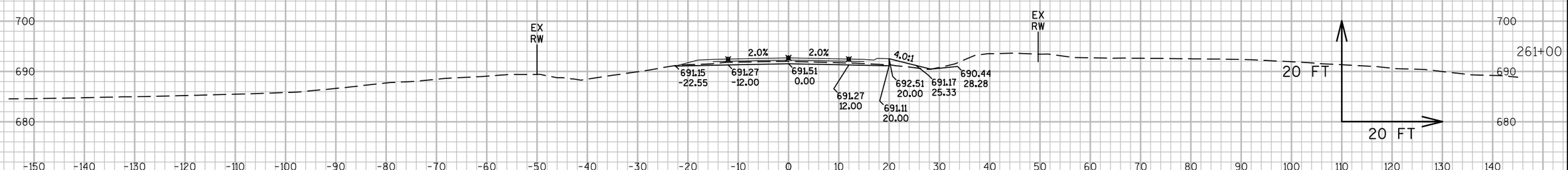
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (51)
PLOT DATE : 3/14/2016 2:06 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 344	E

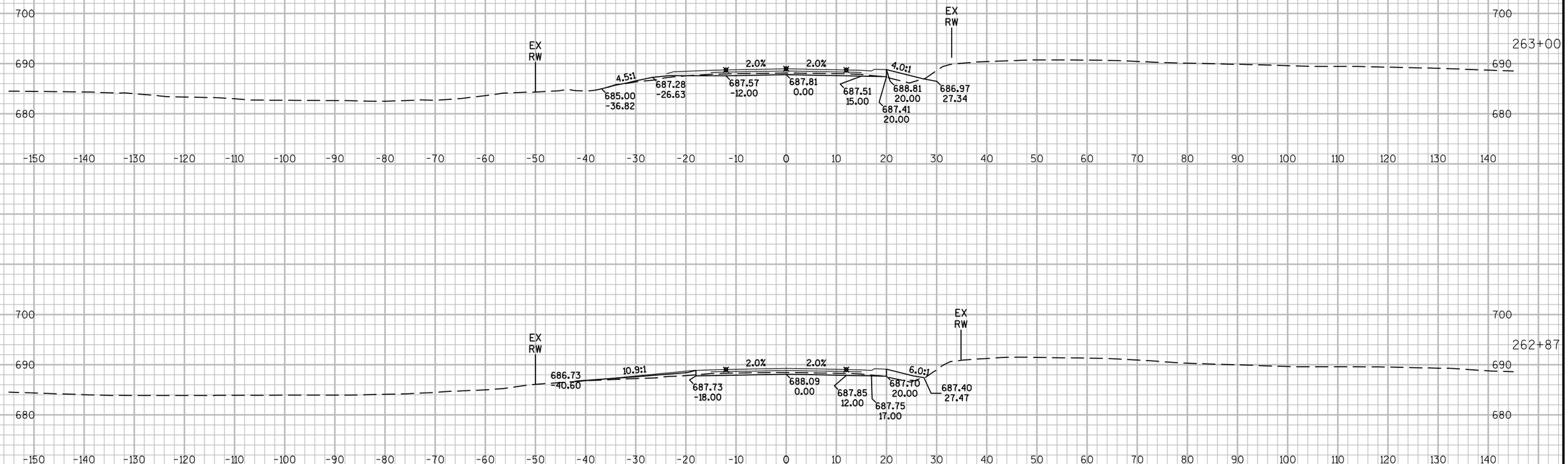
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (52)
PLOT DATE : 3/14/2016 2:07 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

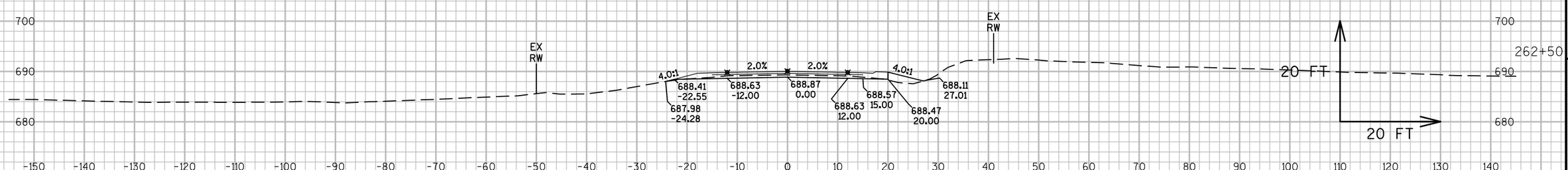




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 345	E

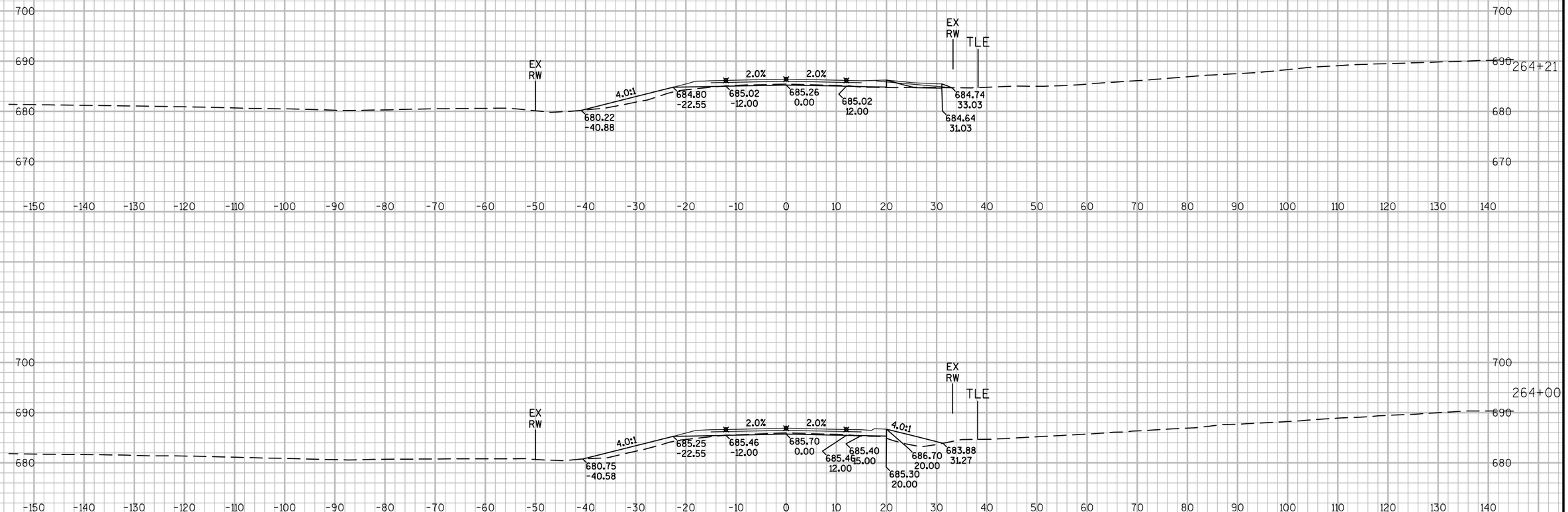
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (53)
PLOT DATE : 3/14/2016 2:08 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

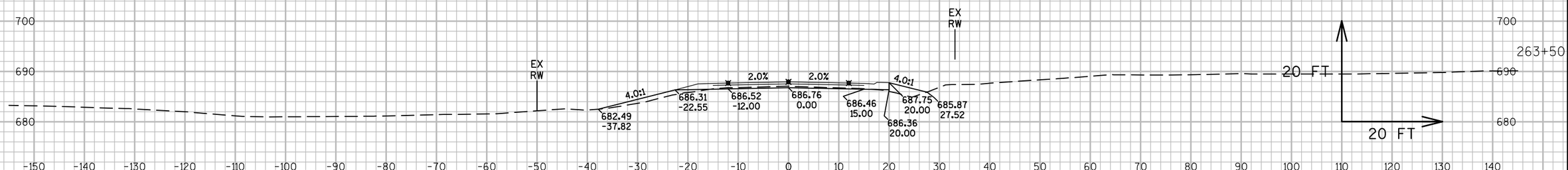




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 346	E

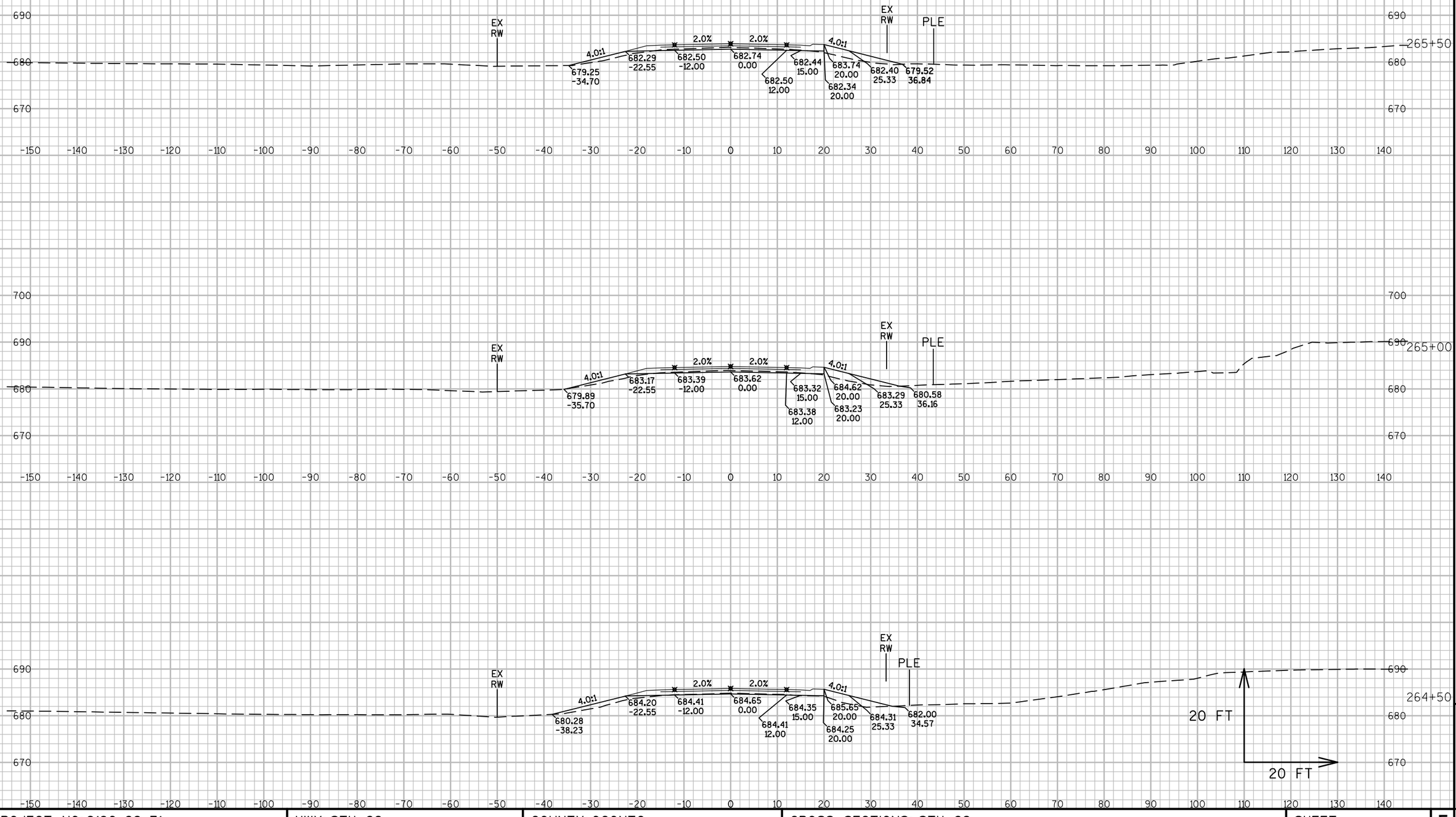
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (54)
PLOT DATE : 3/14/2016 2:08 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



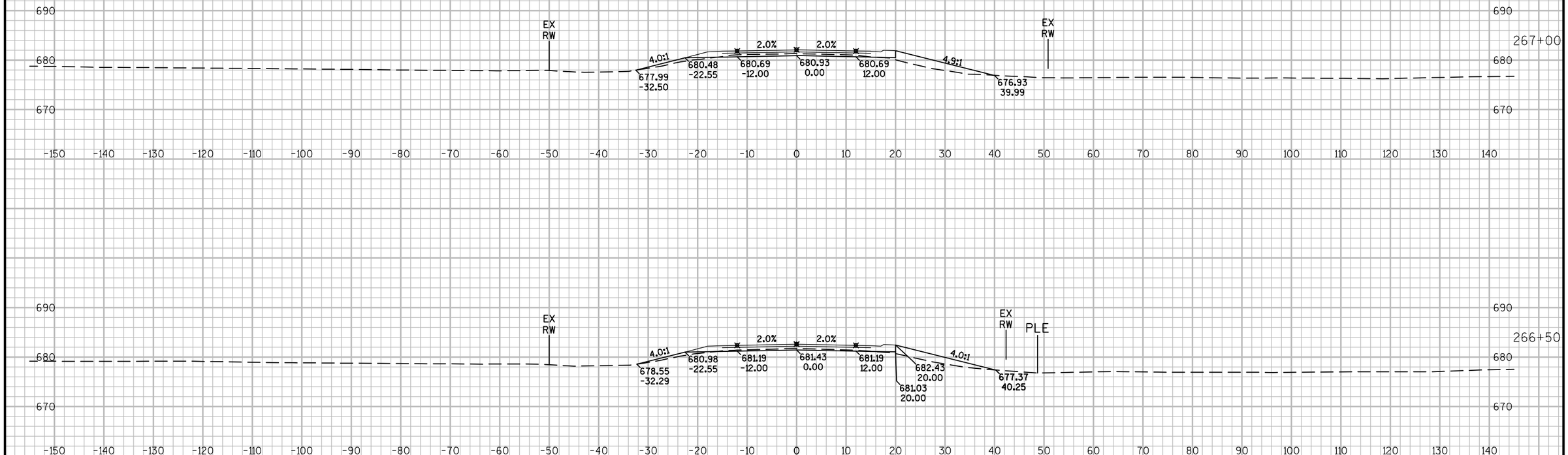


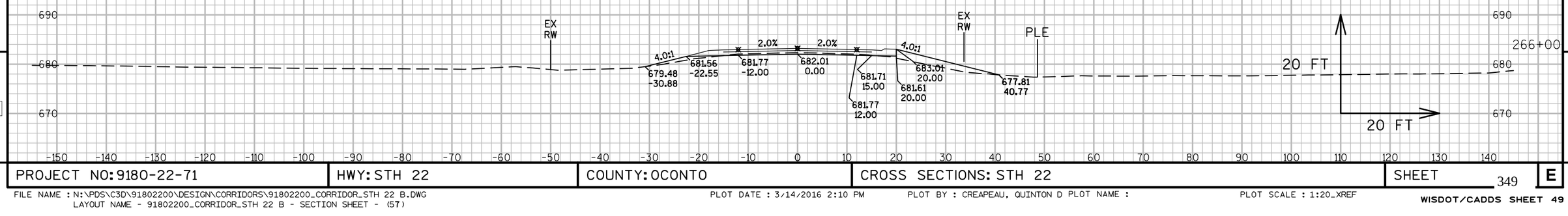
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 347	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (55)
PLOT DATE : 3/14/2016 2:09 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 348	E



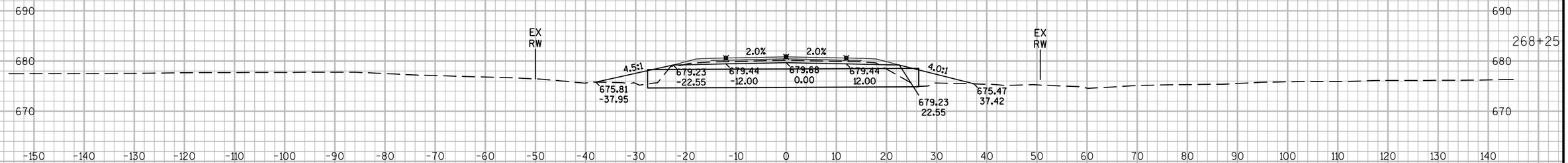


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 349	E

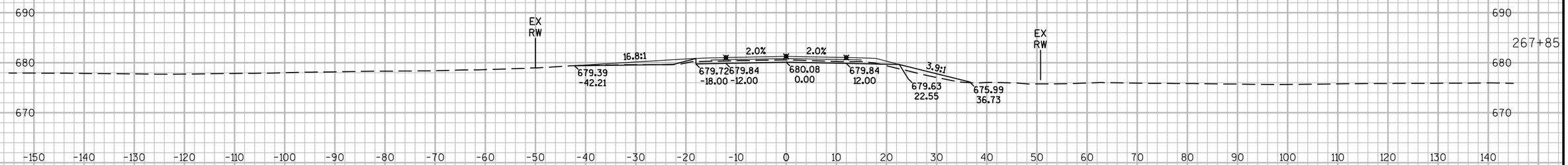
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (57)

PLOT DATE : 3/14/2016 2:10 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF

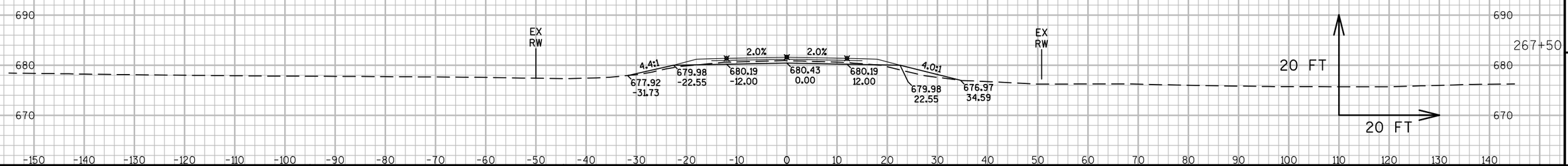
WISDOT/CADDS SHEET 49



268+25



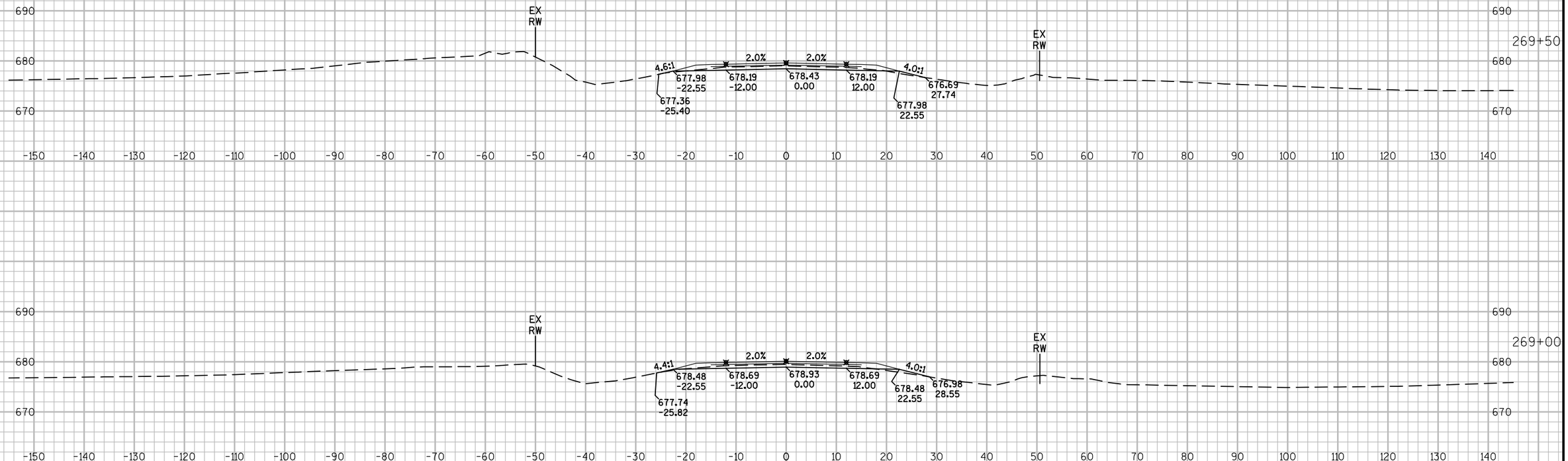
267+85

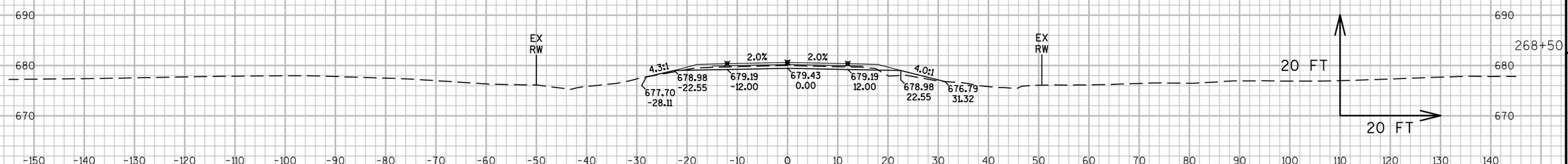


267+50

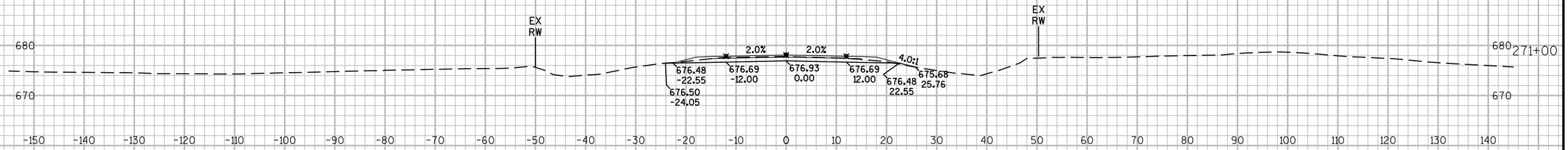
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 350	E

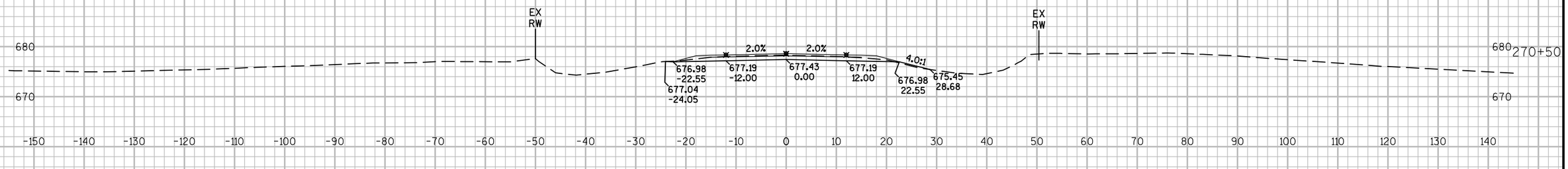
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (58)
PLOT DATE : 3/14/2016 2:10 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

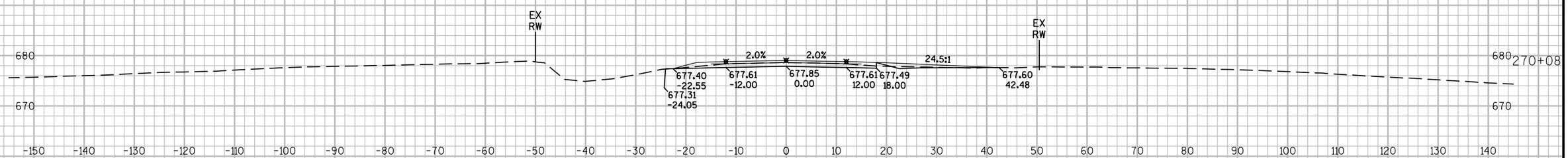


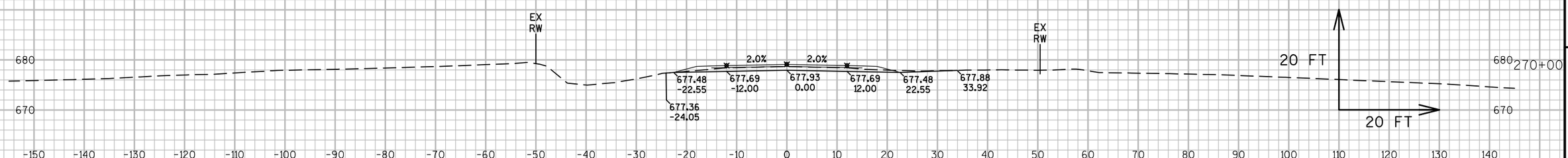


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 351	E





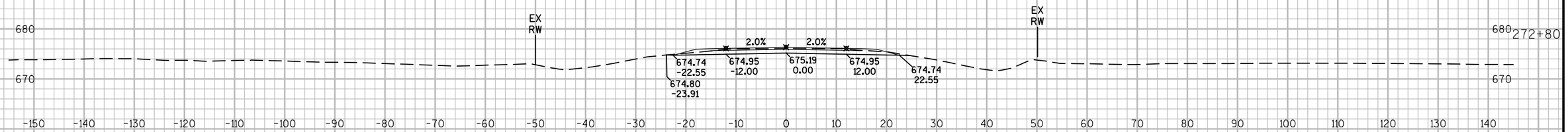


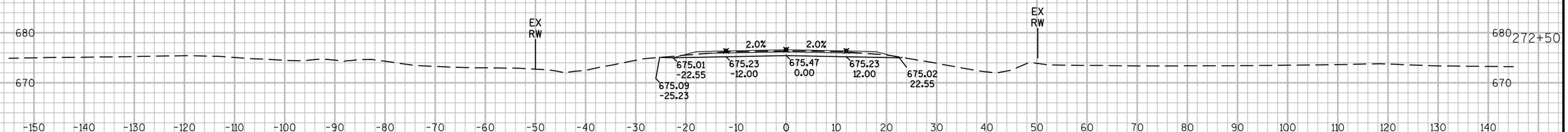


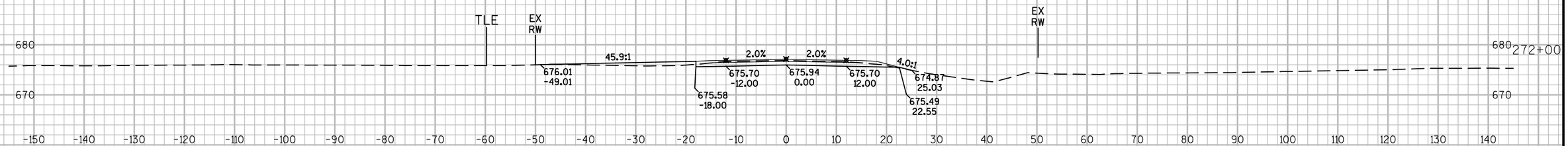
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 352	E

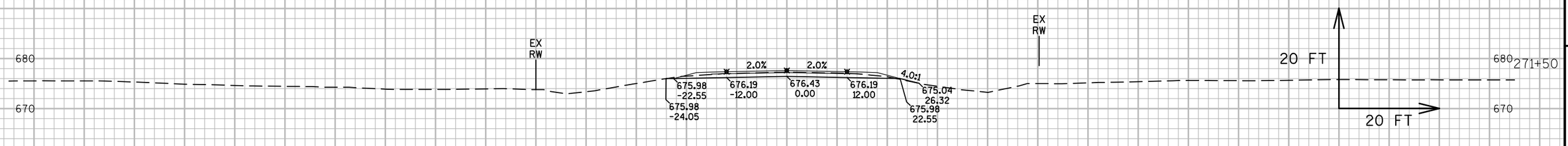
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (60)

PLOT DATE : 3/14/2016 2:11 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF



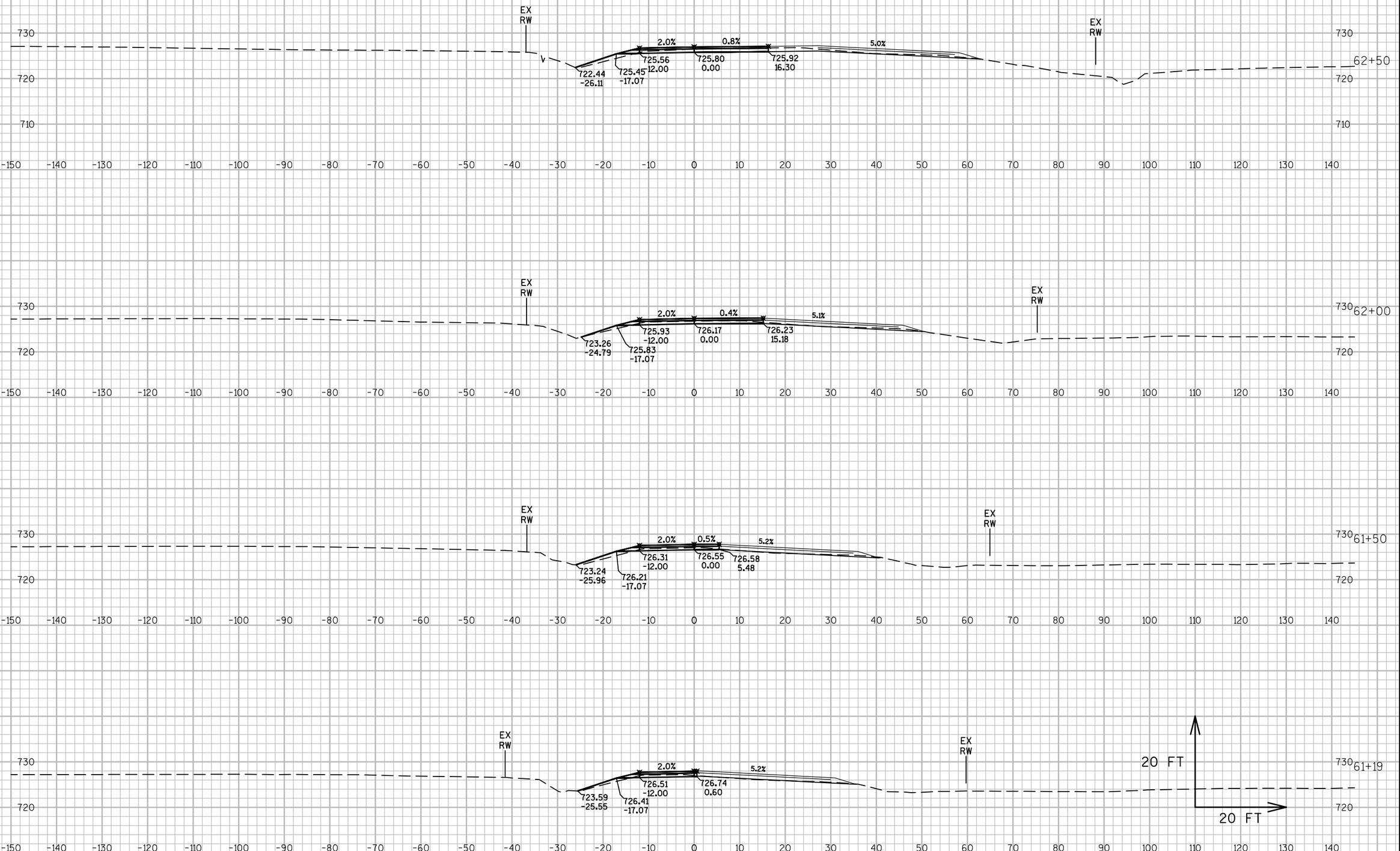






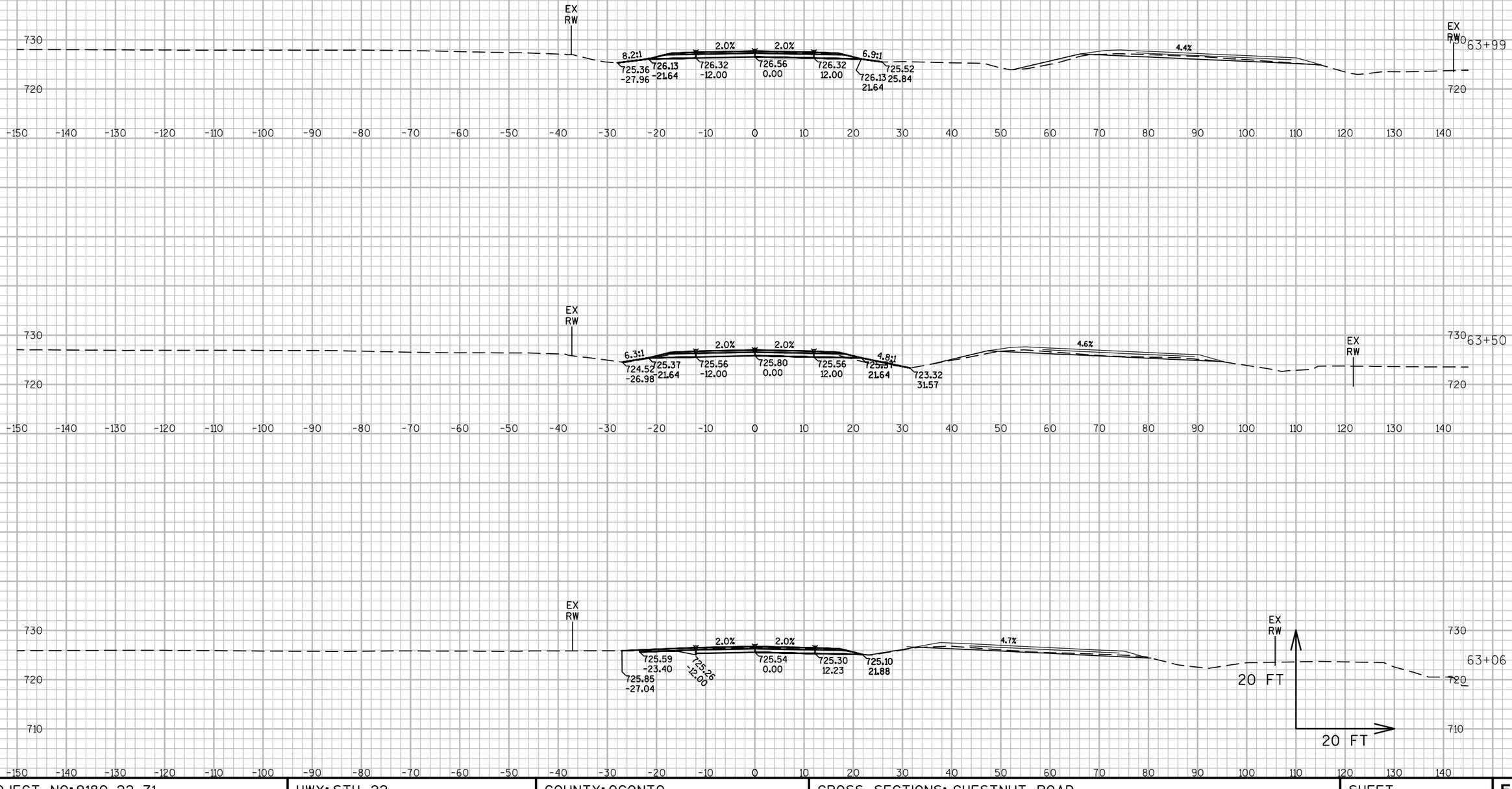
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: STH 22	SHEET 353	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_STH 22 B.DWG
LAYOUT NAME - 91802200_CORRIDOR_STH 22 B - SECTION SHEET - (61)
PLOT DATE : 3/14/2016 2:12 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



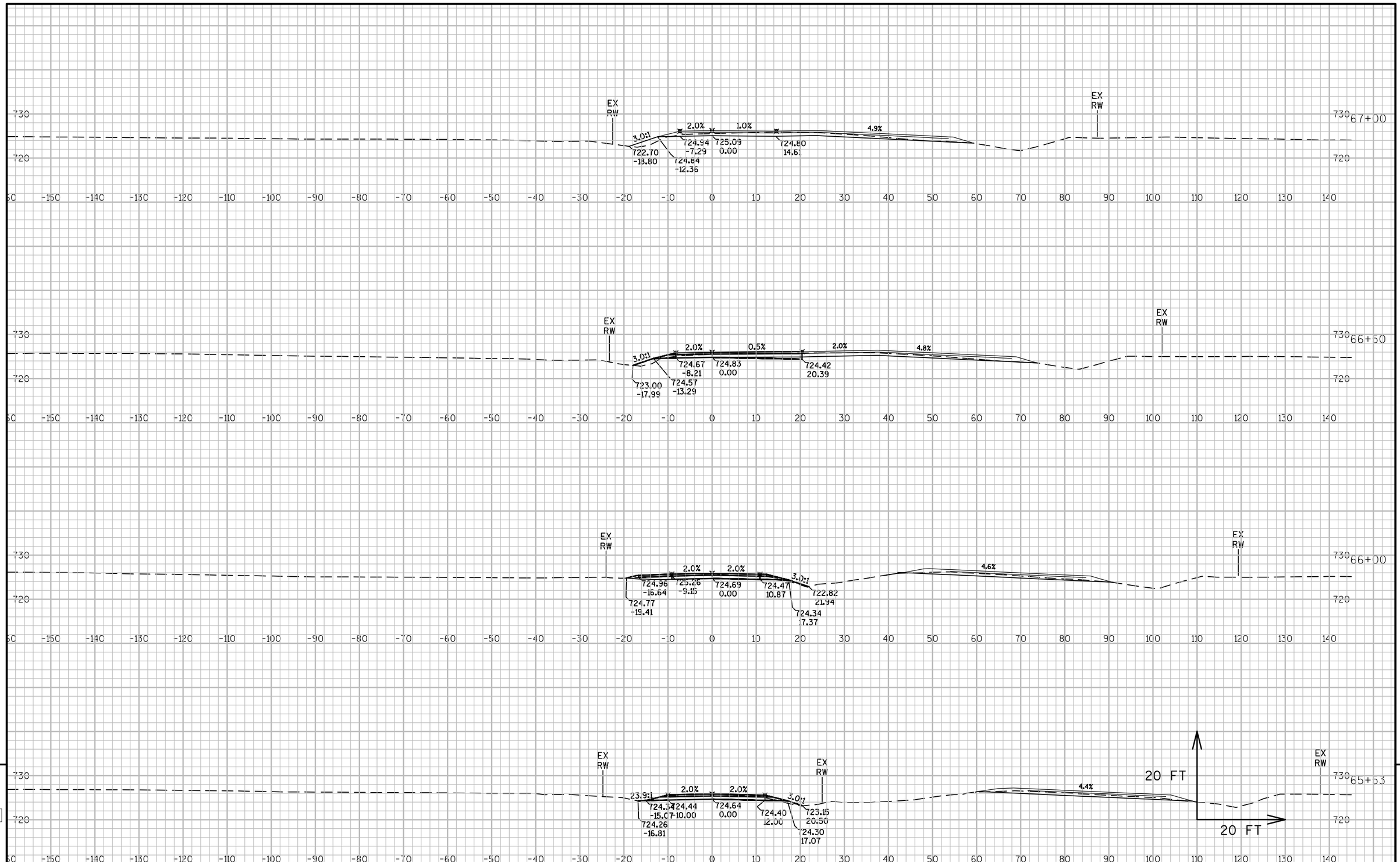
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: CHESTNUT ROAD	SHEET 354	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (1)
PLOT DATE : 3/14/2016 3:55 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT



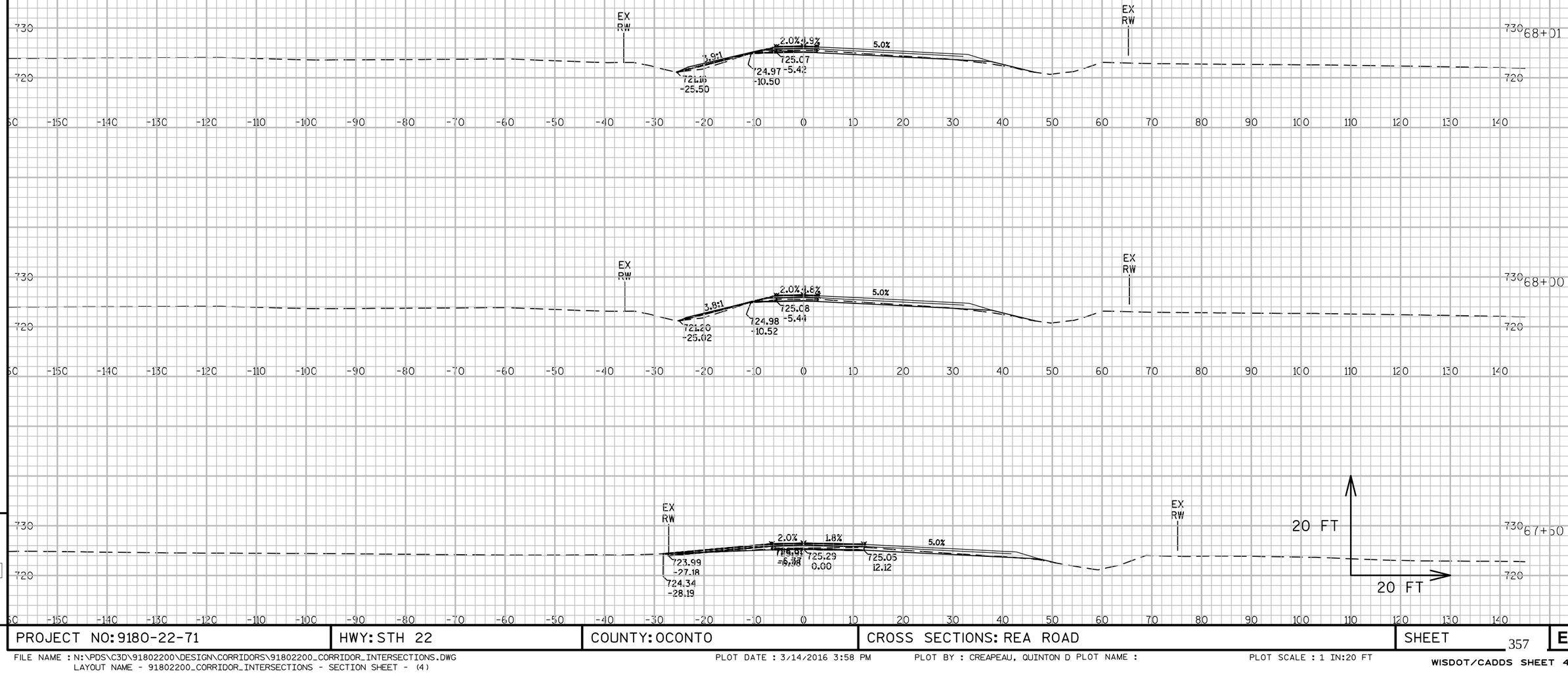
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: CHESTNUT ROAD	SHEET 355	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (2)
PLOT DATE : 3/14/2016 3:56 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



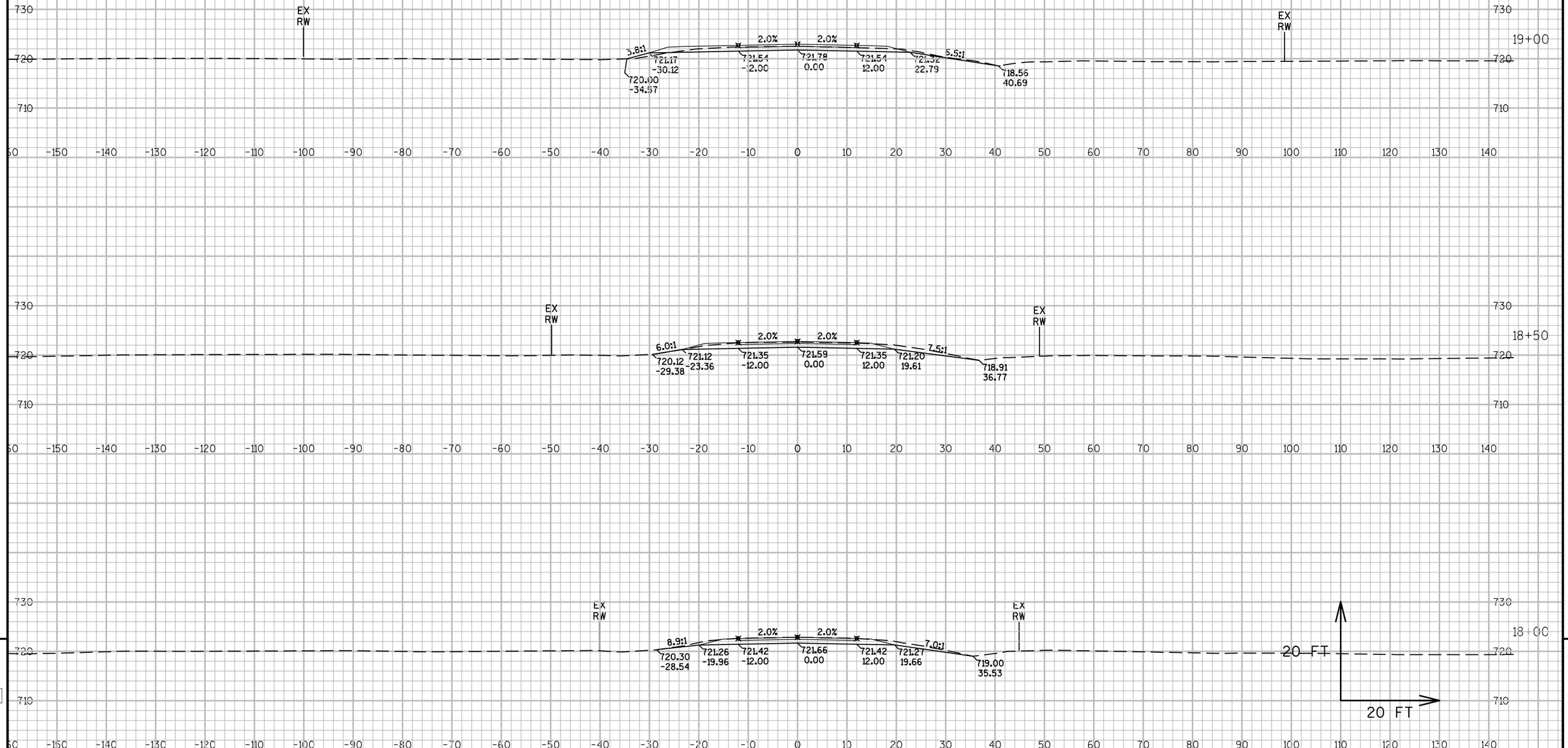
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: REA ROAD	SHEET 356	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (3)
PLOT DATE : 3/14/2016 3:57 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



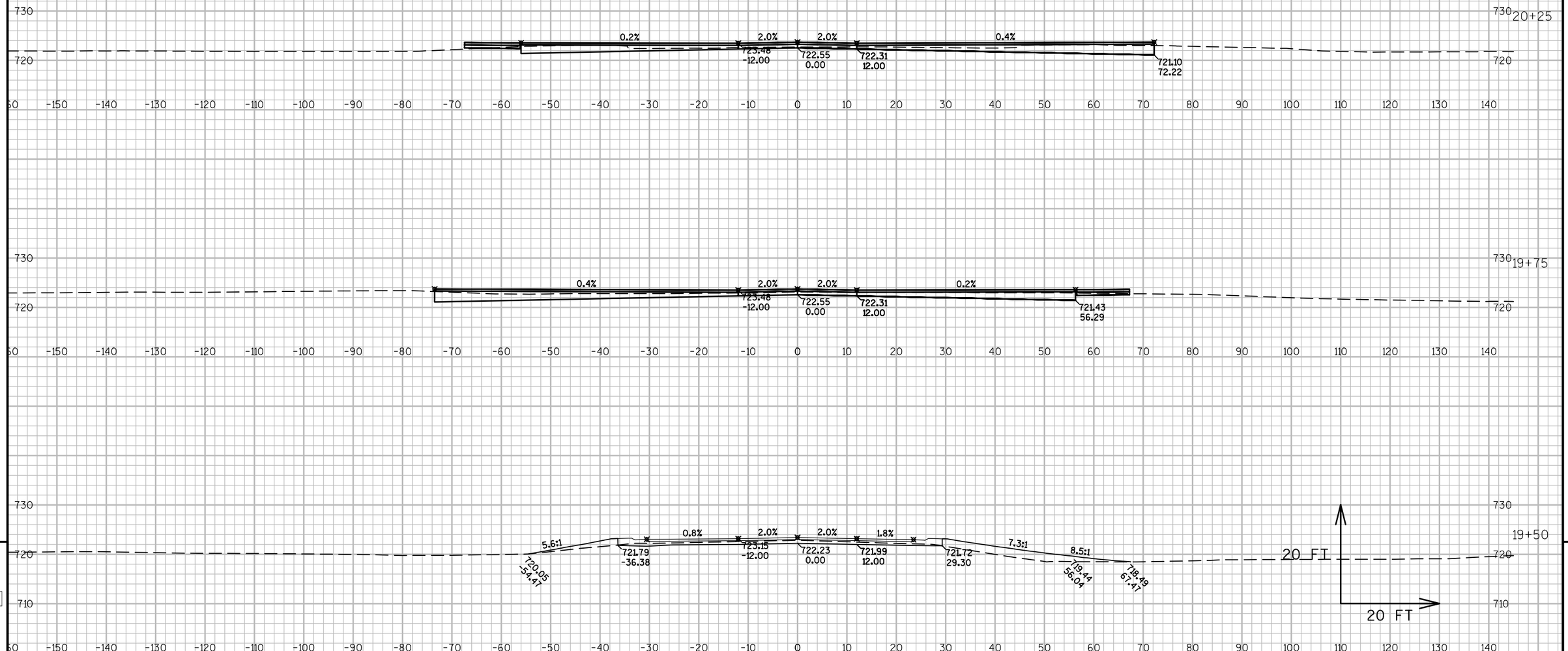
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: REA ROAD	SHEET 357	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (4)
PLOT DATE : 3/14/2016 3:58 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT



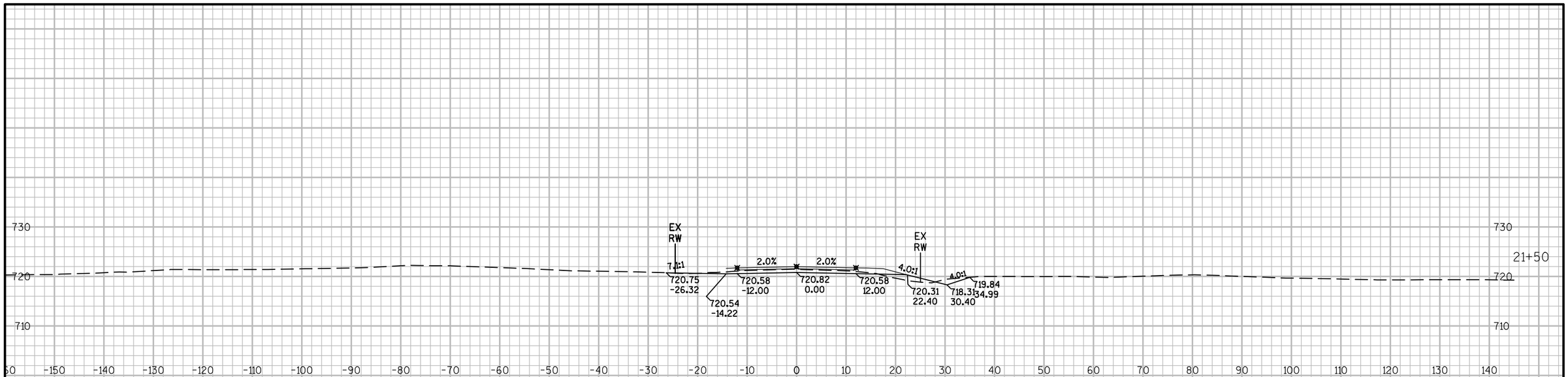
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: CTH I	SHEET 358	E

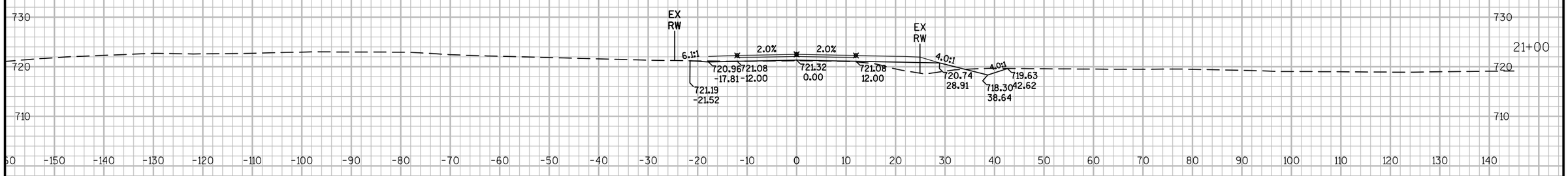
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (5)
PLOT DATE : 3/14/2016 4:00 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

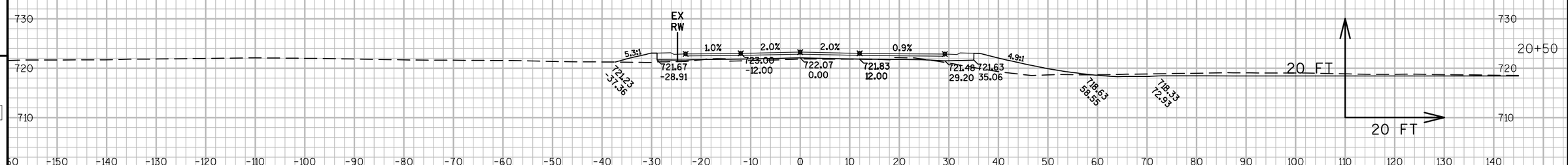


PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: CTH I / FIRESIDE ROAD	SHEET 359	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (6)
PLOT DATE : 3/14/2016 4:01 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



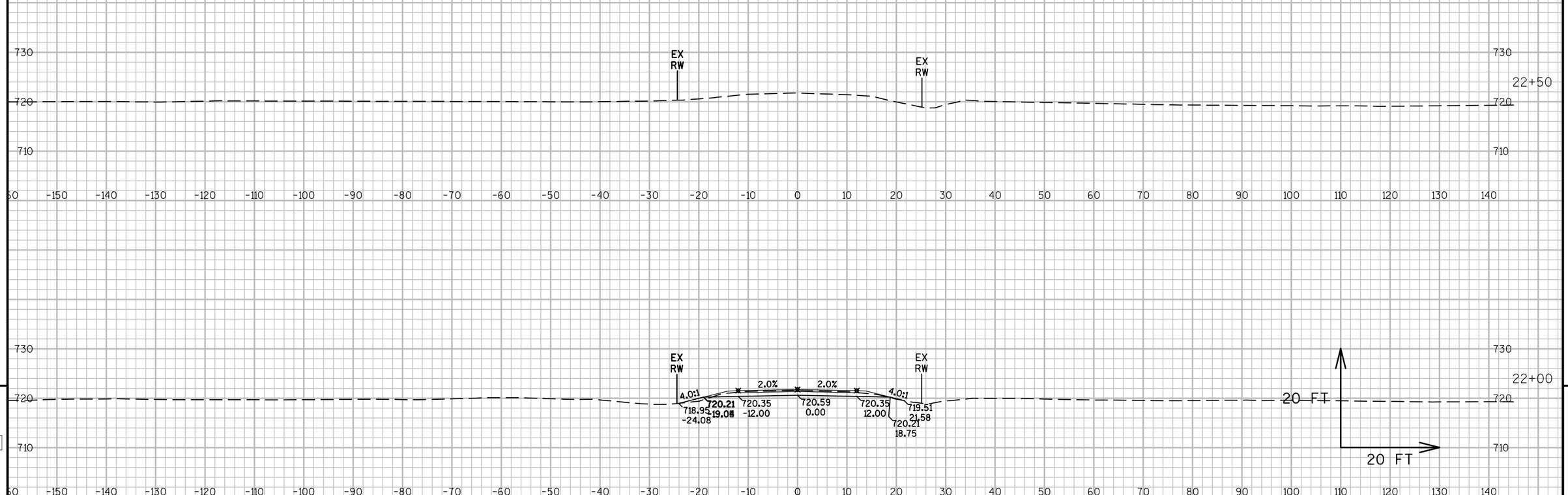




PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: FIRESIDE ROAD	SHEET 360	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (7)

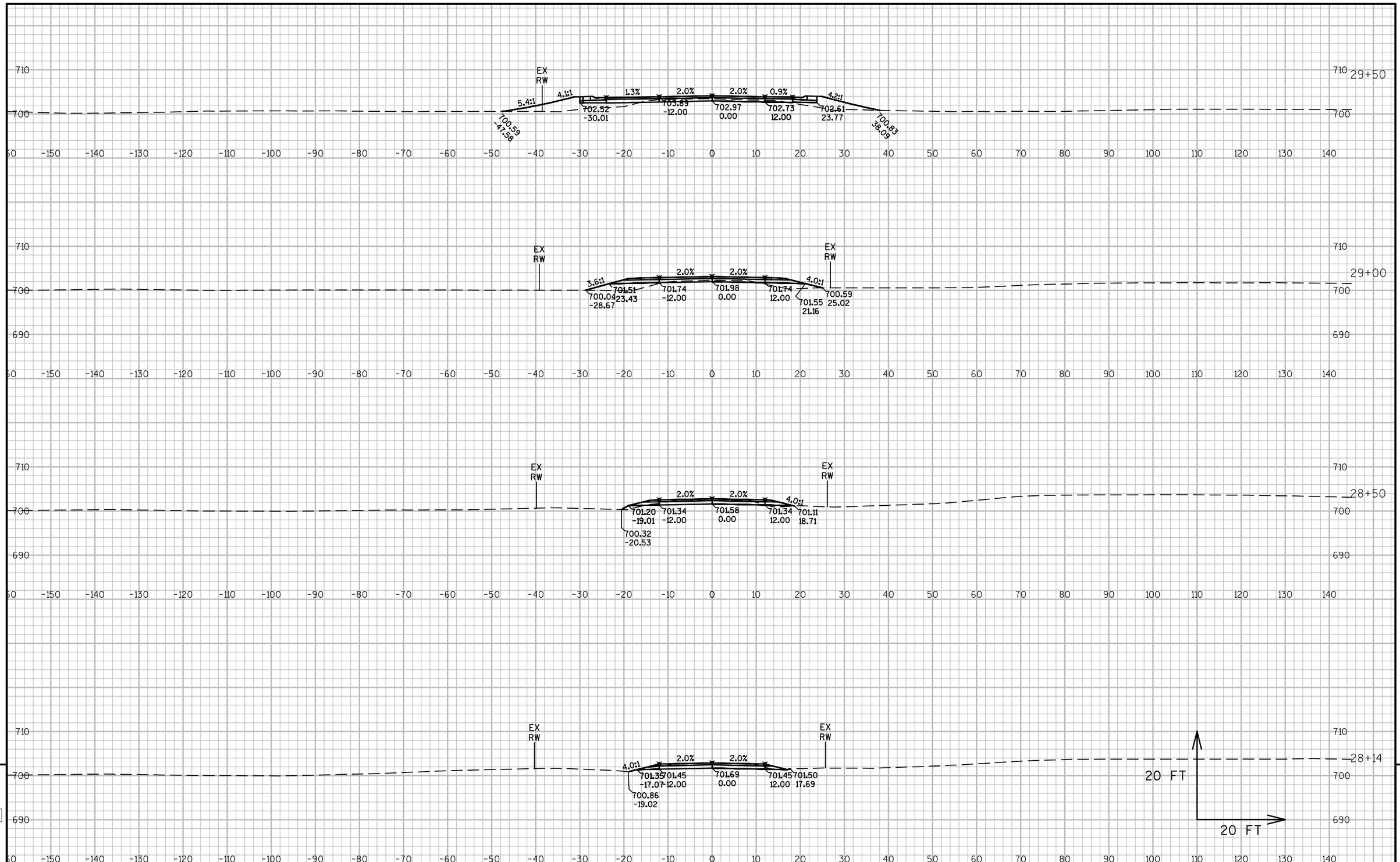
PLOT DATE : 3/14/2016 4:02 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: FIRESIDE ROAD	SHEET 361	E

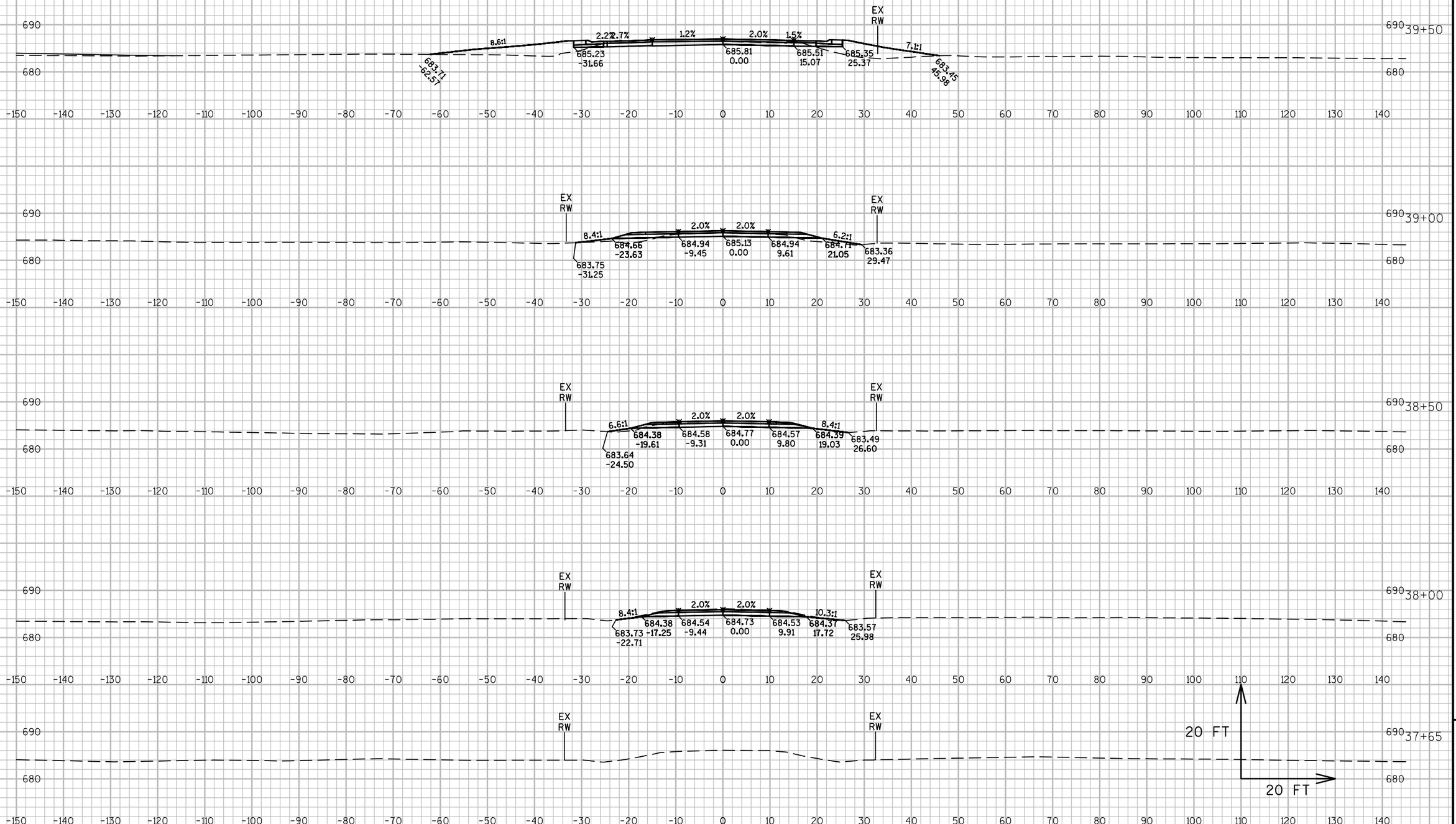
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (8)

PLOT DATE : 3/14/2016 4:03 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: LARSON LANE	SHEET 362 E

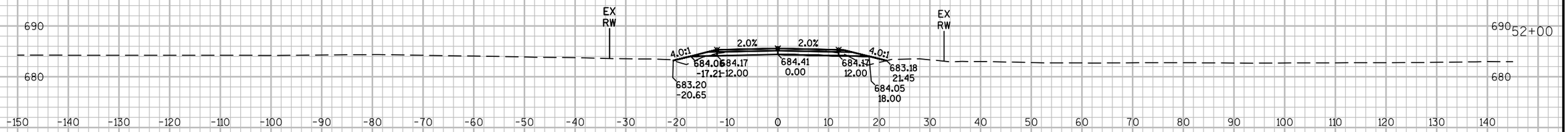
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (9)
PLOT DATE : 3/14/2016 4:04 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

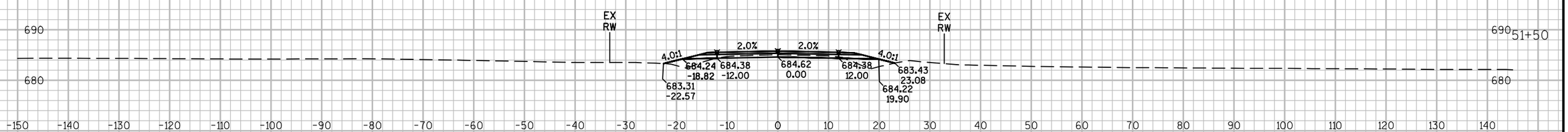


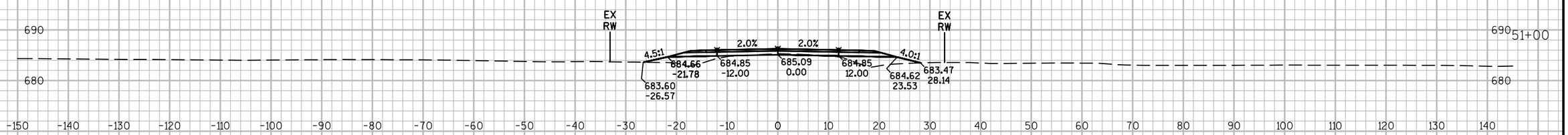
PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: YOUNGER ROAD SOUTH	SHEET 363	E

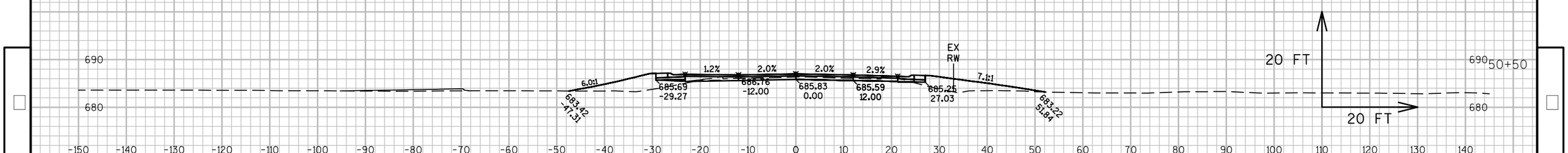
FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (10)

PLOT DATE : 3/14/2016 4:05 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT



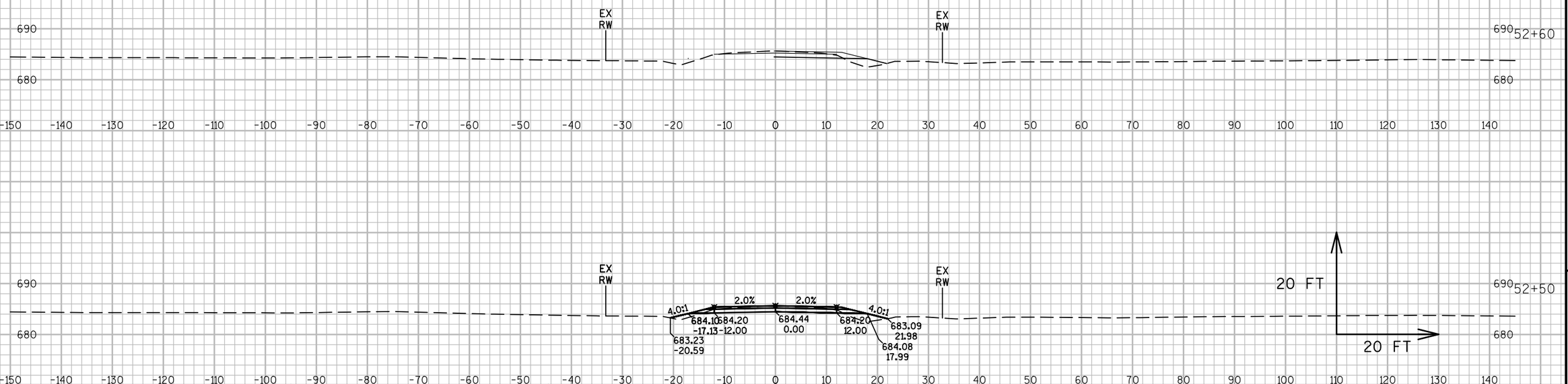






PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: YOUNGER ROAD NORTH	SHEET 364 E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (11)
PLOT DATE : 3/14/2016 4:07 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 9180-22-71	HWY: STH 22	COUNTY: OCONTO	CROSS SECTIONS: YOUNGER ROAD NORTH	SHEET 365	E

FILE NAME : N:\PDS\C3D\91802200\DESIGN\CORRIDORS\91802200_CORRIDOR_INTERSECTIONS.DWG
LAYOUT NAME - 91802200_CORRIDOR_INTERSECTIONS - SECTION SHEET - (12)
PLOT DATE : 3/14/2016 4:08 PM PLOT BY : CREAPEAU, QUINTON D PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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