WIS MAR 2016

PROJECT ID: 6350-01-62, 6350-07-77 & 6350-07-88 COUNTY: WOOD

WITH: 6350-07-87

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 = 558

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6350-01-62	WISC 2016074	1
6350-07-77	WISC 2016069	1
6350-07-88	WISC 2016070	1

MARSHFIELD-JUNCTION CITY

WCL RR BRIDGE B-71-39

USH 10

WOOD COUNTY

STATE PROJECT NUMBER 6350-01-62

MARSHFIELD-STEVENS POINT

WCL RR-CTH F, V OF AUBURNDALE

USH 10

WOOD COUNTY

STATE PROJECT NUMBER 6350-07-77

CTH P REALIGNMENT, V OF AUBURNDALE

CTH P

WOOD COUNTY

STATE PROJECT NUMBER 6350-07-88



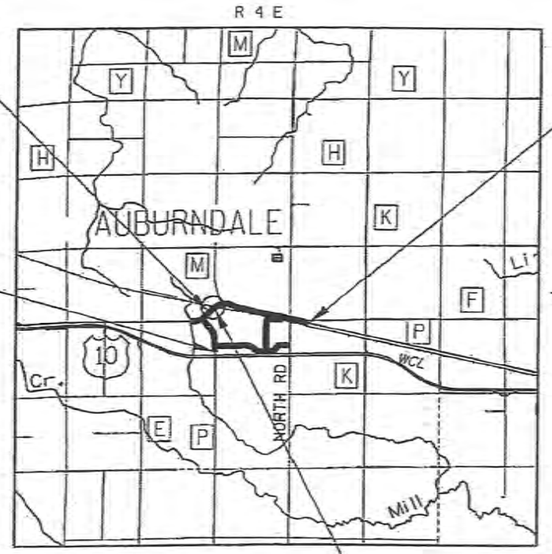
N

DESIGN DESIGNATION

A.D.T.	2013	=	950
A.D.T.	2033	=	1,100
D.H.V.	2033	=	185
D.D.		=	60/40%
T.		=	3.7% A.D.T.
DESIGN SPEED		=	40 MPH
ESALS		=	94,900

BEGIN PROJECT 6350-07-77
END PROJECT 6350-07-88
STA 241+31.48
Y = 538782.364
X = 677232.313

BEGIN PROJECT 6350-07-88
STA 207+11.65
Y = 535640.120
X = 677359.530



END PROJECT 6350-07-77
STA 309+50.41

PROJECT 6350-01-62
STRUCTURE B-71-39
STA 242+63.88

CONVENTIONAL SYMBOLS

- COUNTY LINE
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED EASEMENT
- EARTHWORK BALANCE POINT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SURVEY LINE
- SLOPE INTERCEPT
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such)
- MARSH AREA
- WOODED OR SHRUB AREA
- COMBUSTIBLE FLUIDS
- UNDERGROUND UTILITIES
  - GAS
  - ELECTRIC
  - TELEPHONE OR TELEGRAPH
  - TV/CABLE
  - SERVICE PEDESTAL
- POWER POLE
- TELEPHONE POLE
- RAILROAD
- SANITARY SEWER
- STORM SEWER
- WATER
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- CULVERT (Profile View)

LAYOUT SCALE 0 1/2 MI

TOTAL NET LENGTH OF CENTERLINE = 1.918 MI 6350-07-77 (USH 10 FRONTAGE ROADS)
TOTAL NET LENGTH OF CENTERLINE = 1.292 MI 6350-07-77
TOTAL NET LENGTH OF CENTERLINE = 0.647 MI 6350-07-88
3.857 MI TOTAL

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

Elevations shown on this plan are referenced to the North American Vertical Datum of 1988 NAVD 88.

ORIGINAL PLANS PREPARED BY:
MSA PROFESSIONAL SERVICES, INC.

MSA

WISCONSIN DAVID J. KATZNER E-37043 MARSHFIELD WI PROFESSIONAL ENGINEER

12/22/15 (Date) (Signature)

ORIGINAL PLANS PREPARED BY:
SHORT ELLIOTT HENDRICKSON, INC.

SEH

WISCONSIN VANCE P. POWERS E-36761 WAUSAU, WI PROFESSIONAL ENGINEER

22DEC15 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	JEFF STEWART
Regional Examiner	
Regional Supervisor	

APPROVED FOR THE DEPARTMENT

DATE: 12/22/15 (Signature)

E

FILE NAME : P:\UZ\WI\Mtnc\WI618\CAD\01C01.dgn PLOT DATE : 12/22/2015 PLOT TIME: 7:50:08 AM PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 10

GENERAL NOTES

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

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATION SHOWN ON PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLAN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER - SEE SPECIAL PROVISIONS "PROSECUTION AND PROGRESS".

FINISH DISTURBED AREAS WITHIN THE RIGHT-OF-WAY WITH 4" SALVAGED TOPSOIL, SEED, FERTILIZER AND MULCH AS DIRECTED BY THE ENGINEER.

CULVERT PIPE ELEVATIONS, LENGTH AND LOCATIONS AS SHOWN IN THE PLANS MAYBE ADJUSTED TO FIT FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

TOP OF CASTING ELEVATIONS SHOWN FOR INLETS REFER TO THE NORMAL EDGE OF ASPHALT OR CURB FLAG LINE.

ALL STORM SEWER INVERTS, ELEVATIONS, PIPE LENGTHS, AND GRADES ARE COMPUTED CENTER-TO-CENTER OF STRUCTURES.

CONSTRUCT INSIDE EDGE OF SIDEWALK 1/4 INCH HIGHER THAN THE TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

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

PAVEMENT THICKNESS (INCH)	LOWER (INCH)	NOM AGG SIZE (mm)	UPPER (INCH)	NOM AGG SIZE (mm)
4	2 1/4	19	1 3/4	12.5
4 1/4	2 1/2	19	1 3/4	12.5
2	2	19	--	--
3	3	19	--	--

DESIGNER NOTES

DESIGN PLANS, SPECIFICATIONS AND ESTIMATE FOR USH 10 FRONTAGE ROADS AND LIGHTING PROVIDED BY MSA PROFESSIONAL SERVICES INC.

DESIGN PLANS, SPECIFICATIONS AND ESTIMATE FOR 6350-07-87 PROVIDED BY MSA PROFESSIONAL SERVICES INC.

DESIGN PLANS, SPECIFICATIONS AND ESTIMATE FOR WOOD COUNTY P (OLD US 10) PROVIDED BY SEH INC.

DESIGN PLANS, SPECIFICATIONS AND ESTIMATE FOR WCL RR BRIDGE B-71-39 PROVIDED BY WISDOT.

ORDER OF TYPICAL SECTION AND DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
SIDEWALK RAMP DETIALS
INTERSECTION DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT TIES
ALIGNMENT

UTILITY CONTACTS

ALLIANT ENERGY-ELECTRIC
4902 N BILLMORE LANE
PO BOX 77007
MADISON, WI 53707-1007
TELEPHONE: 608.458.4871
ATTENTION: JASON HOGAN
jasonhogan@alliantenergy.com
FIELD CONTACT
TELEPHONE: 608.963.3253
ATTENTION: DAVID MCCOY
davidmccoy@alliantenergy.com

CENTRAL STATE TELEPHONE
d/b/a TDS TELECOM
10 COLLEGE AVENUE STE 218A
APPLETON, WI 54911
TELEPHONE: 920.882.4166
ATTENTION: STEVE JAKUBIEC
steve.jakubiec@tdstelecom.com
FIELD CONTACT
TELEPHONE: 920.655.8748
ATTENTION: JEREMIAH LUBEN
jeremiah.luben@tdstelecom.com

KDL INC.
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
TELEPHONE: 262.792.7938
ATTENTION: JIM KOSTUCH
james.kostuch@windstream.com
FIELD CONTACT
TELEPHONE: 608.512.5587
ATTENTION: DENNIS RUESS
dennis.ruess@windstream.com

PACKERLAND BROADBAND
105 KENT STREET
IRON MOUNTAIN, MI 49801
TELEPHONE: 906.282.3802
ATTENTION: RANDY SIMMS
randy.simms@ccisystems.com

WE ENERGIES-GAS
333 W EVERETT ST A299
MILWAUKEE, WI 53203
TELEPHONE: 414.221.5617
ATTENTION: LATROY BRUMFIELD
latroy.brumfield@we-energies.com
FIELD CONTACT
TELEPHONE: 715.421.9293
ATTENTION: RYAN MIENTKE
ryan.mientke@we-energies.com

VILLAGE OF AUBURNDALE-SANITARY & STREET LIGHTING
5988 1ST STREET
AUBURNDALE, WI 54412
TELEPHONE: 715.652.2244
ATTENTION: JOHN SPATZ
spatzj@tds.net

SOLARUS
440 EAST GRAND AVENUE PO BOX 8045
WISCONSIN RAPIDS, WI 54495
TELEPHONE: 715.421.8193
ATTENTION: RICK SCHMUTZER
schmutz@solarus.biz
FIELD CONTACT
TELEPHONE: 715.572.0152
ATTENTION: DENNIS PIERCE
pierce@solarus.net

DNR CONTACT

DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL ANALYST AND REVIEW SPECIALIST
473 GRIFFITH AVENUE
WISCONSIN RAPIDS, WI 54494
TELEPHONE: 715.421.7867
ATTENTION: MARC HERSHFIELD
EMAIL: marc.hershfield@wisconsin.gov

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

* POTENTIAL HAZMAT LOCATIONS SEE SPECIAL PROVISIONS

N

PROJECT 6350-01-62
STRUCTURE B-71-39

BEGIN PROJECT
6350-07-77
STA 241+31.48

STRUCTURE C-71-46
(6350-07-80)
BY OTHERS

DEPTH = 2' - 8'

E-Z AVE

C TH M

CTH P

WISCONSIN CENTRAL LTD.

SCHOOL AVE

BRICKLE AVE

GEORGE AVE

NORTH ROAD

SCHULTZ AVE

FUEHRER AVE

MARSHFIELD STREET

CONNOR STREET

END PROJECT
6350-07-88
STA 241+31.48

PEDESTRIAN UNDERPASS
(6350-07-80)
BY OTHERS

STRUCTURE R-71-22
(6350-07-80)
BY OTHERS

DEPTH = 5' - 8'

END PROJECT
6350-07-77
STA 309+50.41

BEGIN PROJECT
6350-07-77 (USH 10 FRONTAGE ROADS)
STA 10+13.04'A'

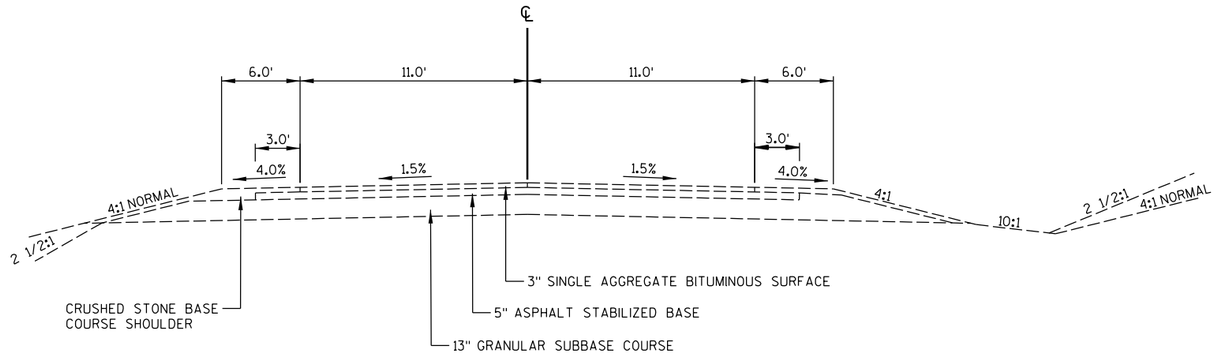
BEGIN PROJECT
6350-07-88
STA 207+11.65

END PROJECT
6350-07-77
(USH 10 FRONTAGE ROADS)
STA 68+15.35'A'

USH 10

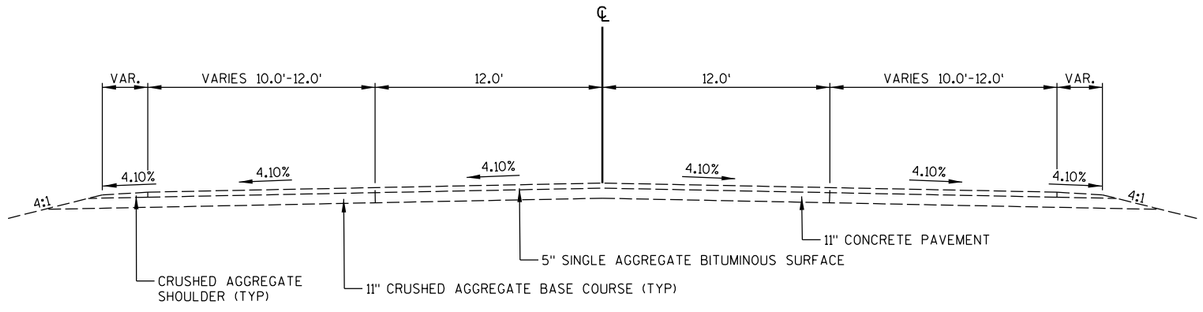
PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	PROJECT OVERVIEW	SHEET 3	E

2



TYPICAL EXISTING SECTION

CTH P (OLD STH 186)
STA 207+11.65 TO STA 239+73.93

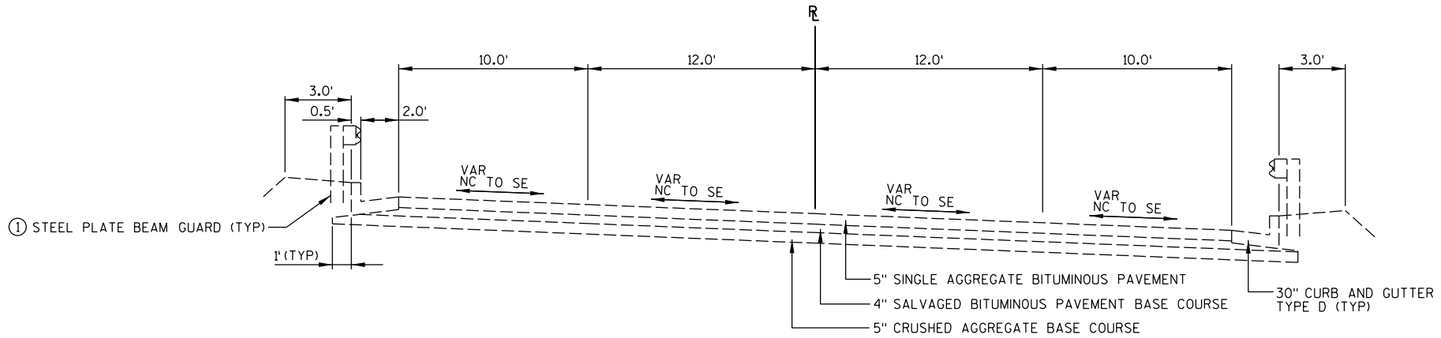


TYPICAL EXISTING SECTION

CTH P (OLD US 10)
STA 222+43.53 "A" TO STA 230+83.03 "A"

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 4	E

2

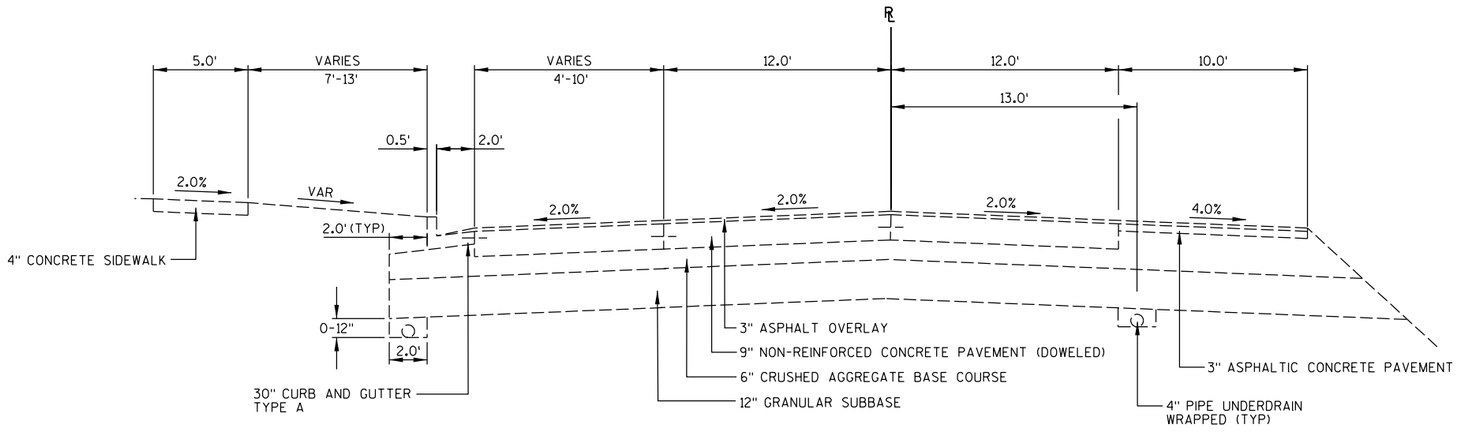


TYPICAL EXISTING SECTION

CTH P (OLD US 10)
STA 230+83.03 "A" TO STA 239+73.93 "A"
STA 239+73.93 TO STA 241+63.42
STA 243+64.40 TO STA 254+67.04

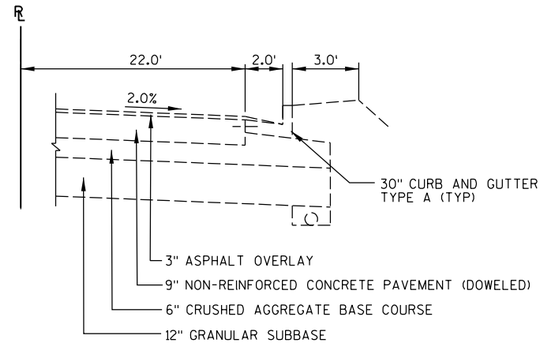
①STEEL PLATE BEAM GUARD LOCATIONS:

STA 234+58.42 "A" TO STA 241+84.38 RT
STA 234+61.41 "A" TO STA 241+45.98 LT
STA 243+35.96 TO STA 247+77.71 LT
STA 243+90.12 TO STA 248+50.45 RT



TYPICAL EXISTING SECTION

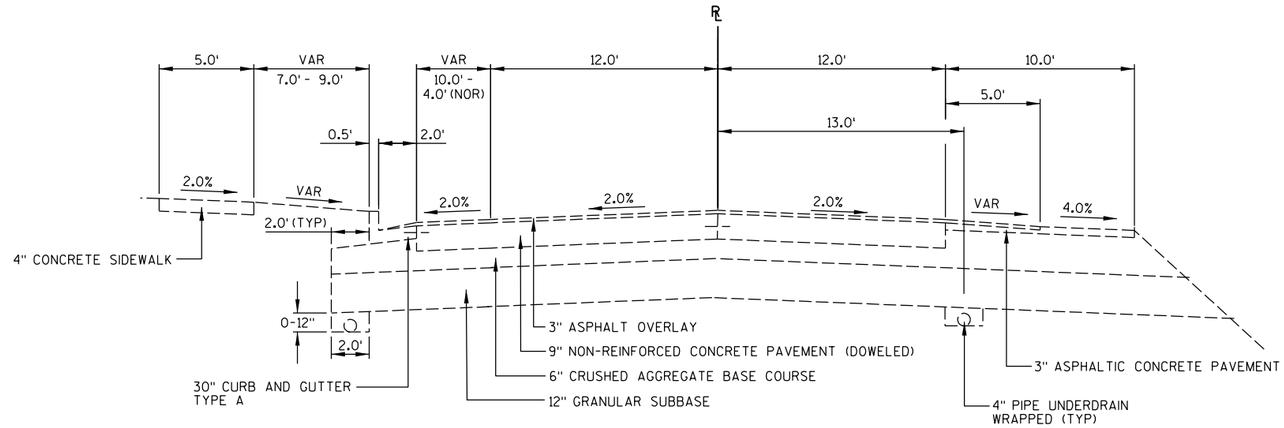
CTH P (OLD US 10)
STA 254+67.04 TO STA 266+43.50



OLD US 10
STA 254+67.04 TO STA 255+10.78

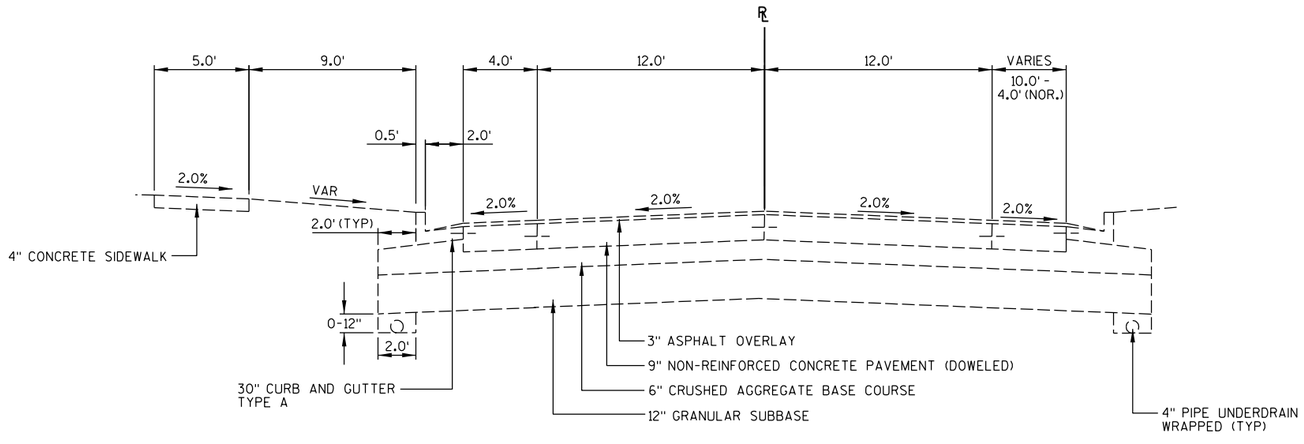
PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 5	E

2



TYPICAL EXISTING SECTION

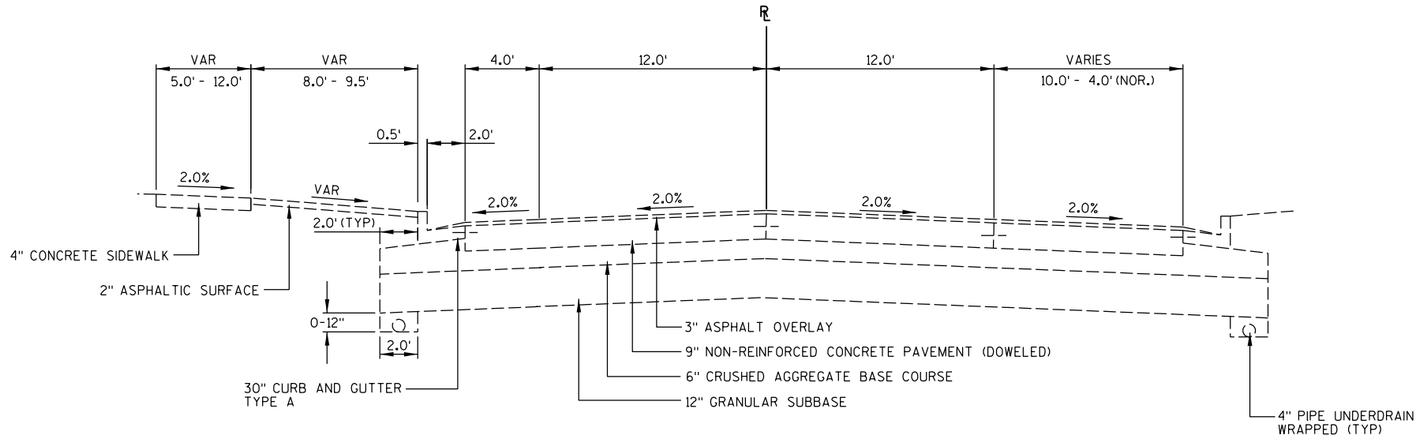
CTH P (OLD US 10)
STA 266+43.50 TO STA 277+55.77
STA 293+69.76 TO STA 309+50.41



TYPICAL EXISTING SECTION

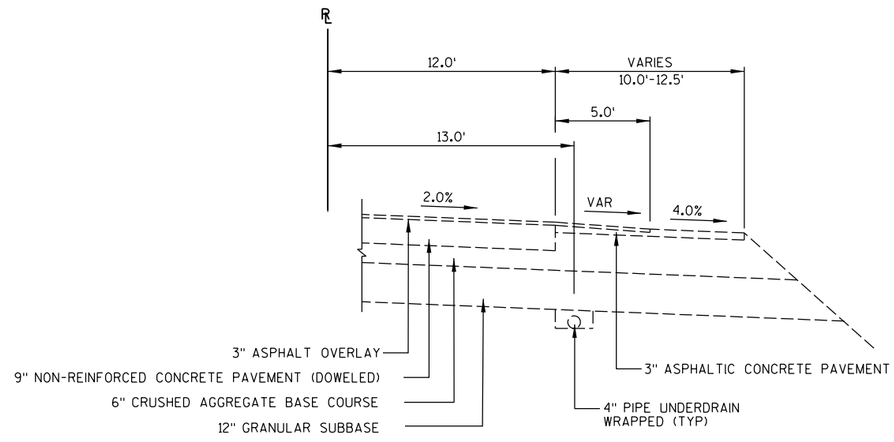
CTH P (OLD US 10)
STA 277+55.77 TO STA 285+20.77

2



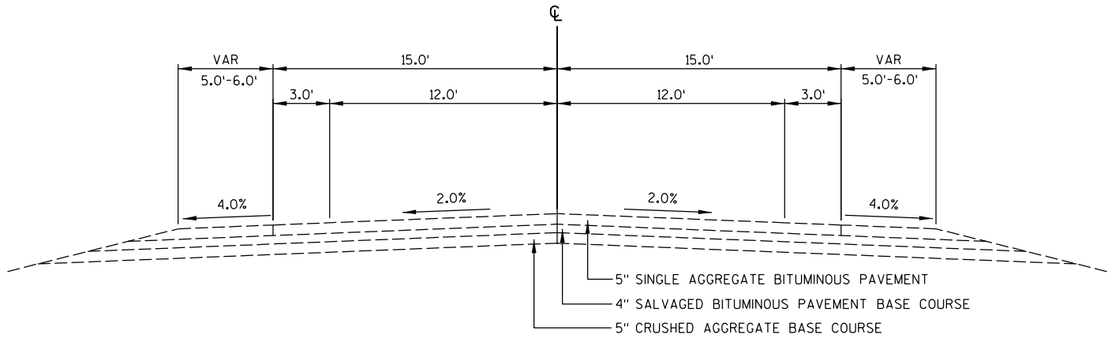
TYPICAL EXISTING SECTION

CTH P (OLD US 10)
STA 285+20.77 TO STA 293+69.76



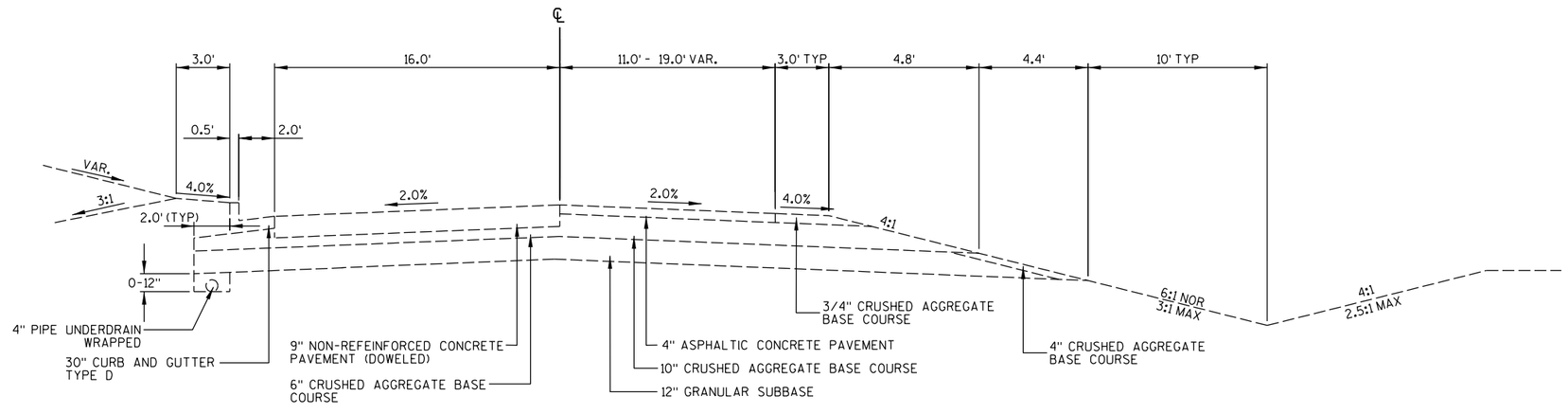
CTH P (OLD US 10)
STA 290+95.15 TO STA 293+69.76 RT

2



TYPICAL EXISTING SECTION

CTH M



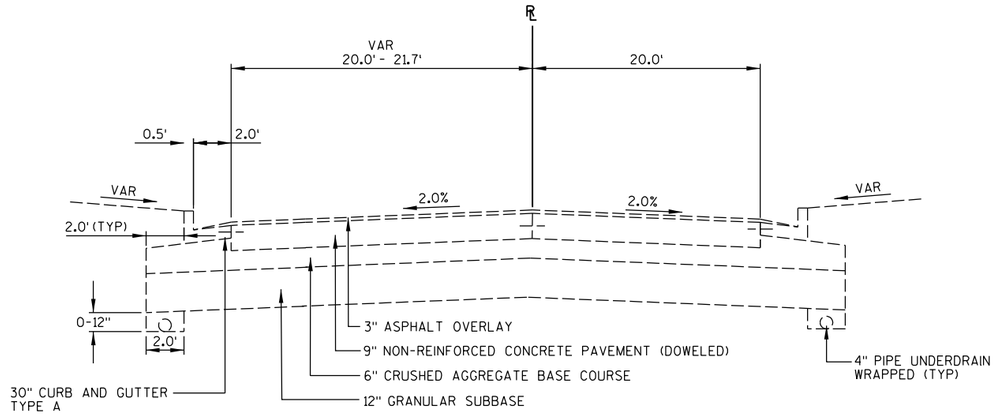
1/2 SECTION WITH CURB & GUTTER

1/2 SECTION WITHOUT CURB & GUTTER

TYPICAL EXISTING SECTION

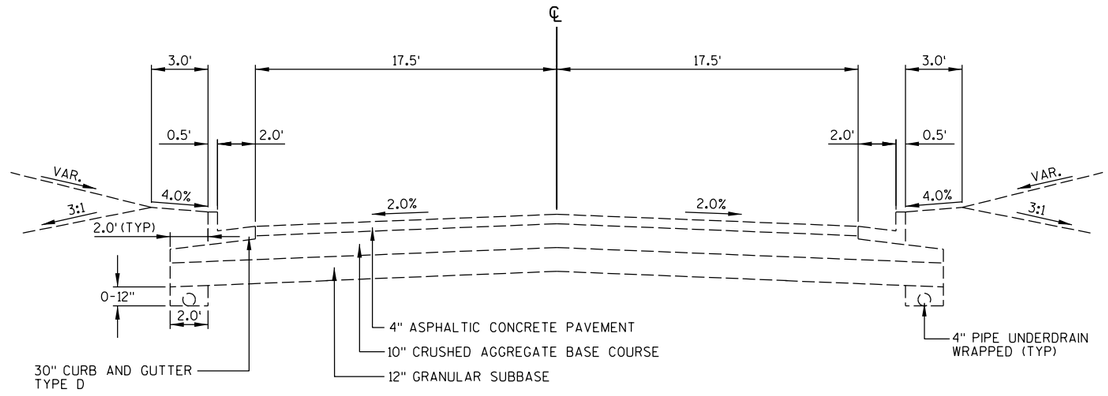
E-Z AVENUE
MARSHFIELD STREET
FUEHRER AVENUE
SCHULTZ AVENUE
BRICKLE AVENUE
GEORGE AVENUE
NORTH ROAD

2



TYPICAL EXISTING SECTION

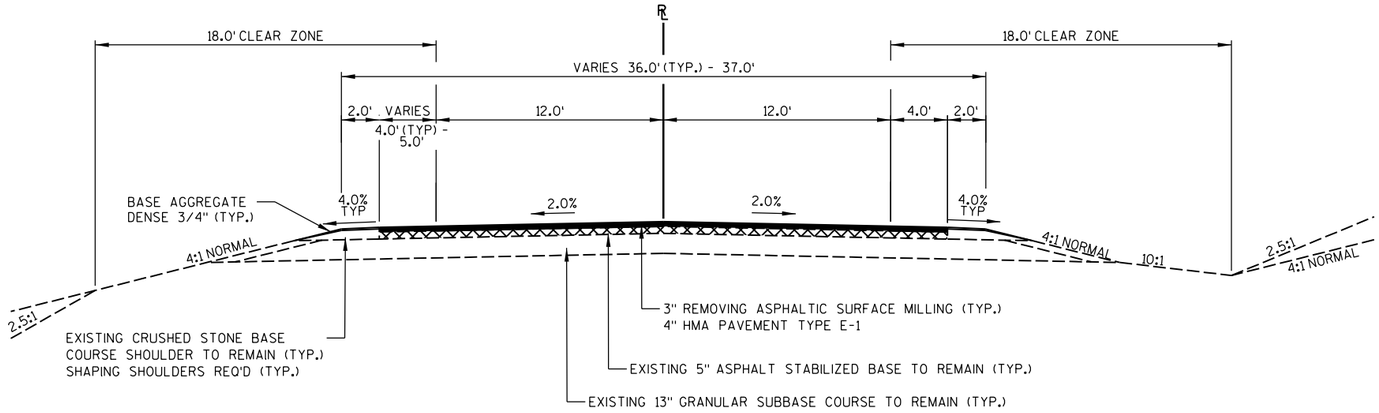
CONNOR STREET
STA 100+16.49 TO STA 100+89.26



TYPICAL EXISTING SECTION

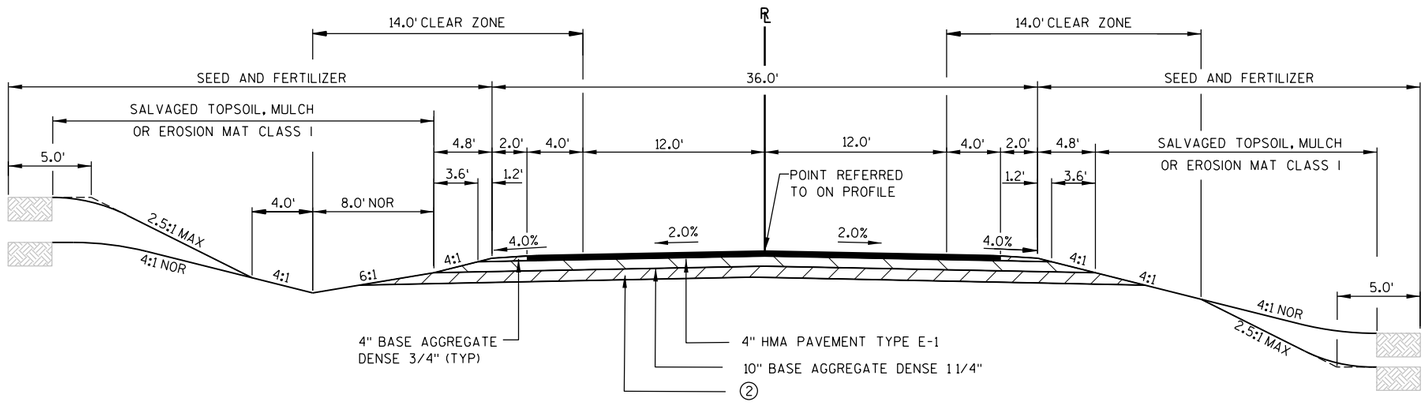
CONNOR STREET
STA 100+89.26 TO STA 102+25.00

SUPERELEVATION TABLE	
STATION	CROSS SLOPE (%)
213+55.75	NC -2.0%
214+06.75	0 0.0%
214+57.75	RC 2.0%
215+57.75	FS 5.9%
223+01.87	FS 5.9%
224+04.85	RC 2.0%
224+57.67	0 0.0%



TYPICAL FINISHED SECTION

CTH P
STA 207+11.65 TO STA 223+00.00



SUPERELEVATION TABLE	
STATION	CROSS SLOPE (%)
224+57.67	0 0.0%
225+10.48	RC 2.0%
225+60.65	FS 3.9%
239+00.00	FS 3.9%
240+00.00	FS 5.1%

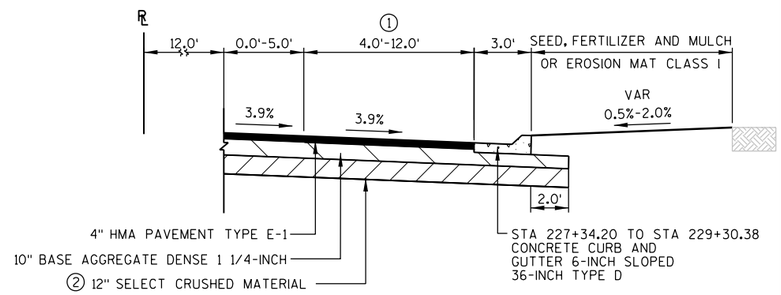
TYPICAL FINISHED SECTION

CTH P
STA 223+00.00 TO STA 230+16.26

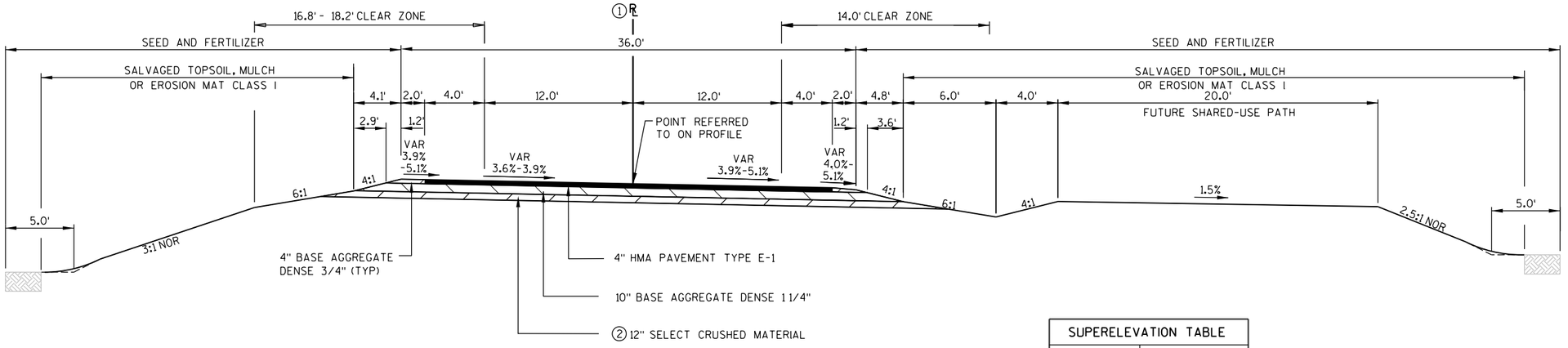
NOTE:

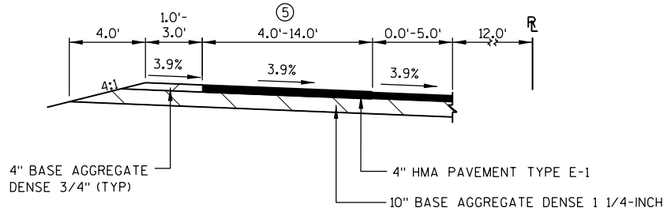
① REFER TO PLAN & PROFILE SHEETS FOR RIGHT TURN LANE LOCATIONS AND WIDTHS.

② 12" SELECT CRUSHED MATERIAL STA 227+34.20 TO STA 230+16.26.



CTH P RIGHT TURN LANE
STA 225+33.90 TO STA 231+60.97 RT





CTH P RIGHT TURN LANE
STA 228+62.37 TO 234+67.63 LT

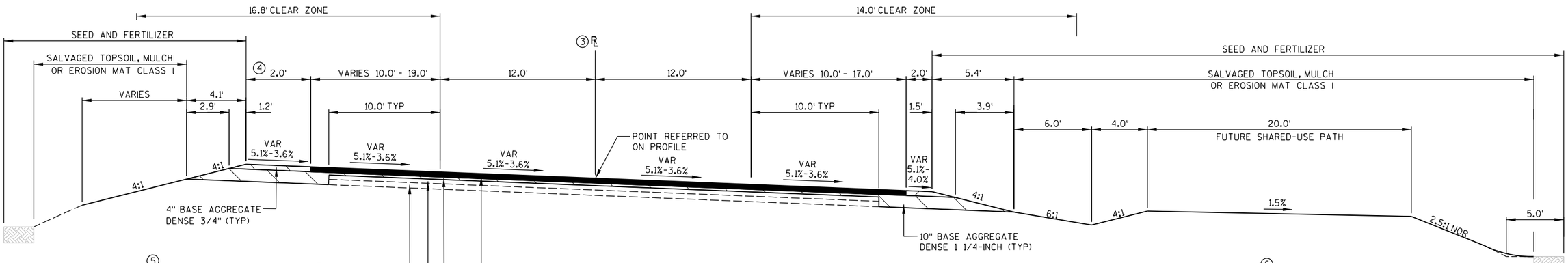
TYPICAL FINISHED SECTION

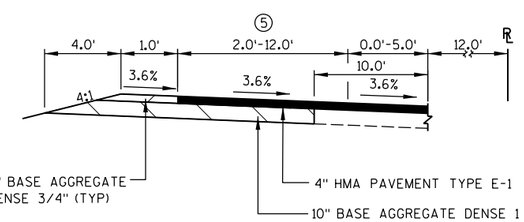
CTH P
STA 230+16.26 TO STA 241+63.50

SUPERELEVATION TABLE	
STATION	CROSS SLOPE (%)
240+00.00	FS 5.1%
247+00.00	FS 5.1%
248+00.00	FS 3.6%
254+68.10	FS 3.6%
255+06.10	RC 2.0%
255+50.10	0 0.0%
255+94.10	NC -2.0%

NOTES:

1. CENTERLINE VARIES FROM REFERENCE LINE 0.0'LT AT STA 237+95.00 TO 6.0'LT AT STA 240+00.00 - STA 241+63.50
2. 12" SELECT CRUSHED MATERIAL STA 230+16.26 TO STA 231+00.00
3. CENTERLINE VARIES FROM REFERENCE LINE 6.0'LT AT STA 244+05.72 - STA 245+50.00 TO 0.0'LT AT STA 247+51.90
4. STA 247+27.60 TO 247+97.90 LT - 3.0' SHOULDER WIDTH
5. REFER TO PLAN & PROFILE SHEETS FOR RIGHT TURN LANE LOCATIONS AND WIDTHS
6. REFER TO PLAN & PROFILE SHEETS FOR BYPASS LANE LOCATIONS AND WIDTHS

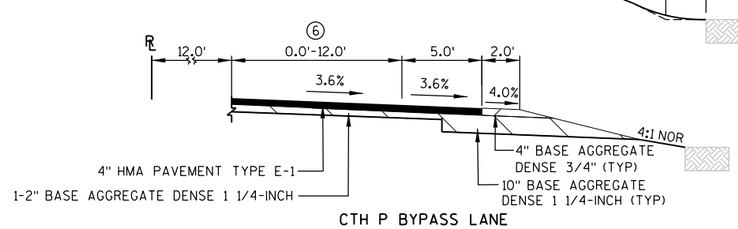




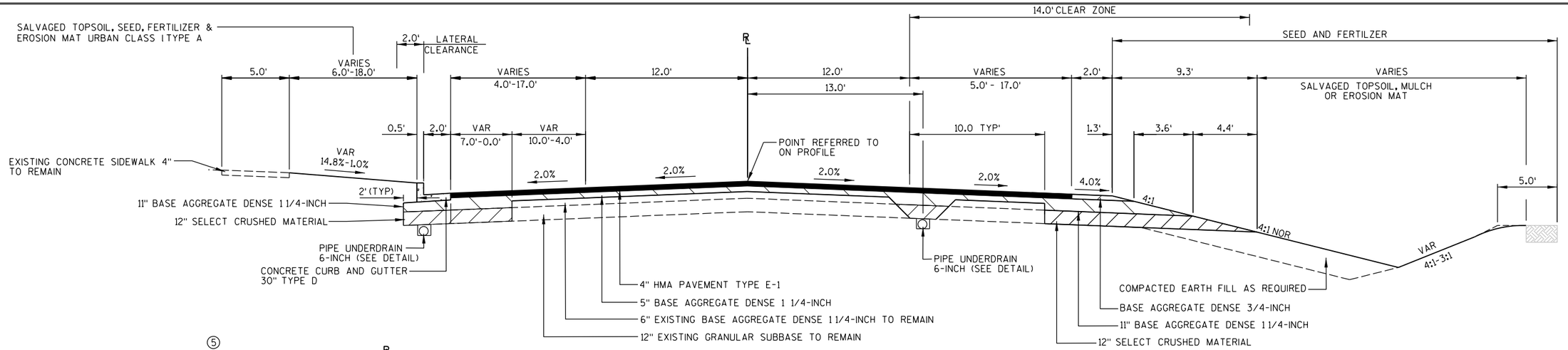
CTH P RIGHT TURN LANE
STA 247+27.60 TO 253+60.30 LT

TYPICAL FINISHED SECTION

CTH P
STA 243+64.53 TO STA 254+61.68



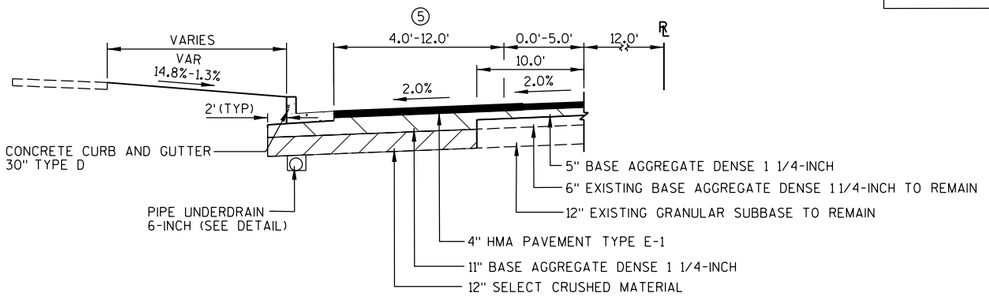
CTH P BYPASS LANE
STA 246+76.20 TO STA 259+49.00 RT



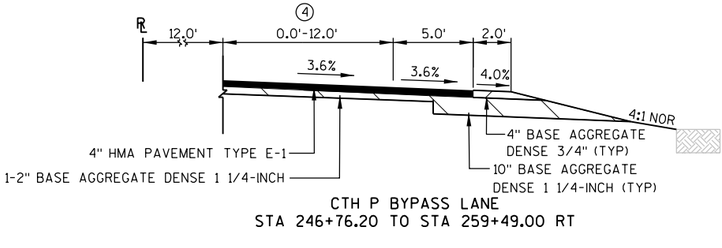
TYPICAL FINISHED SECTION

CTH P
STA 254+61.68 TO STA 259+49.00

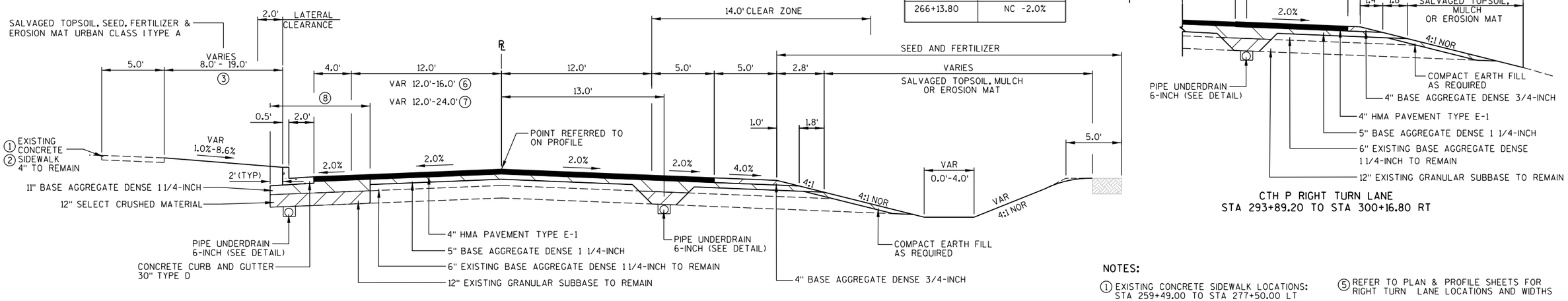
SUPERELEVATION TABLE	
STATION	CROSS SLOPE (%)
260+90.91	NC -2.0%
261+35.19	0 0.0%
261+79.47	RC 2.0%
262+08.42	FS 3.3%
264+96.30	FS 3.3%
265+25.25	RC 2.0%
265+69.52	0 0.0%
266+13.80	NC -2.0%



CTH P RIGHT TURN LANE
STA 254+61.68 TO 259+02.00 LT

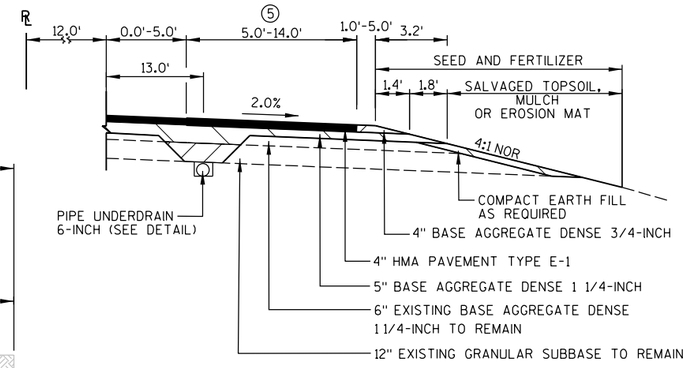


CTH P BYPASS LANE
STA 246+76.20 TO STA 259+49.00 RT



TYPICAL FINISHED SECTION

CTH P
STA 259+49.00 TO STA 277+50.00
STA 292+25.00 TO STA 297+50.00
STA 299+50.00 TO STA 309+50.41



CTH P RIGHT TURN LANE
STA 293+89.20 TO STA 300+16.80 RT

NOTES:

① EXISTING CONCRETE SIDEWALK LOCATIONS:
STA 259+49.00 TO STA 277+50.00 LT
STA 292+25.00 TO STA 298+57.25 LT

② CONSTRUCT NEW CONCRETE SIDEWALK 4-INCH WITH 4" BASE AGGREGATE DENSE 3/4-INCH:
STA 298+57.25 TO STA 303+62.98 LT

③ 9.0' STA 298+57.25 TO STA 303+62.98 LT

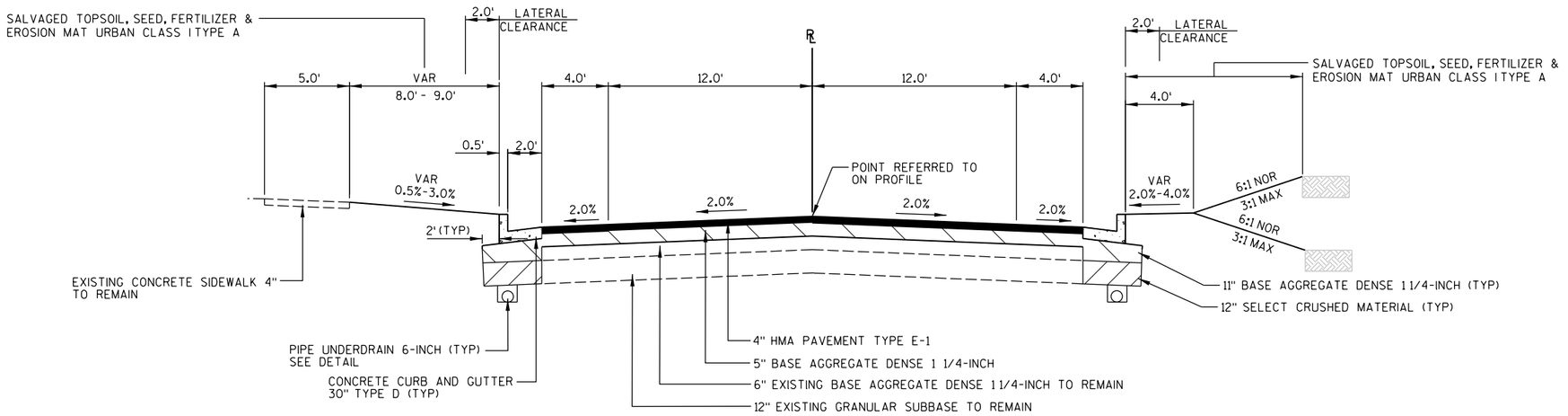
④ REFER TO PLAN & PROFILE SHEETS FOR BYPASS LANE LOCATIONS AND WIDTHS

⑤ REFER TO PLAN & PROFILE SHEETS FOR RIGHT TURN LANE LOCATIONS AND WIDTHS

⑥ TRAVEL WIDTH VARIES FROM 12.0'-16.0'
STA 298+88.76 TO STA STA 300+98.76 LT

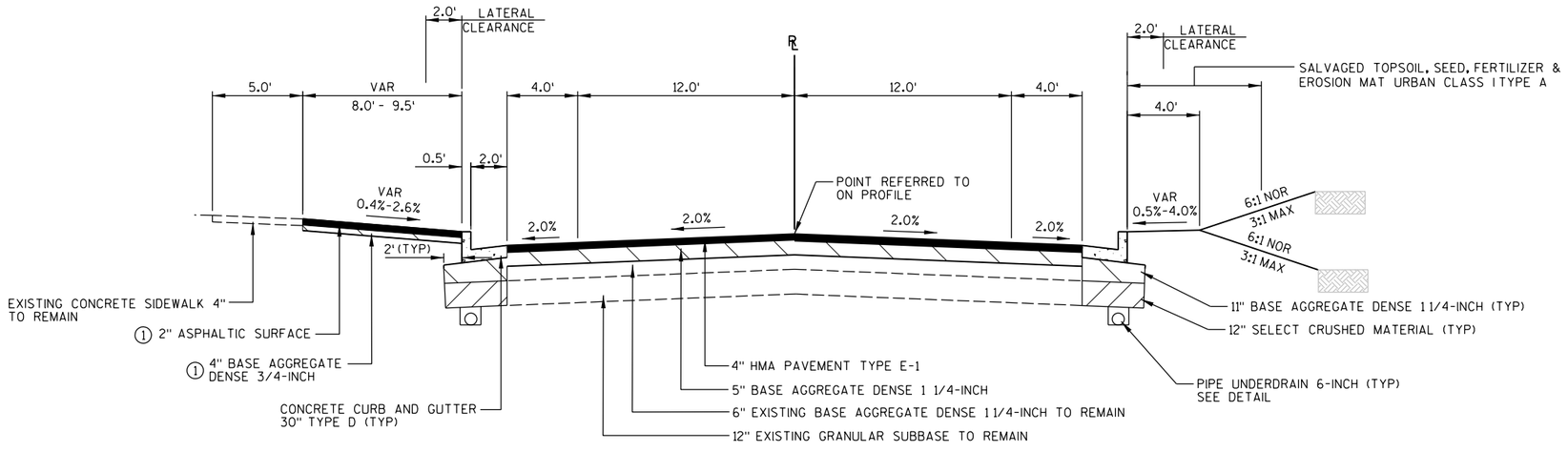
⑦ TRAVEL WIDTH VARIES FROM 12.0'-24.0'
STA 308+42.80 TO STA STA 309+50.41 LT

⑧ SELECT MATERIAL & BASE AGGREAGTE WIDTH VARIES FROM 8.5'-4.5' FROM STA 298+88.76-300+98.76 LT



TYPICAL FINISHED SECTION

CTH P
STA 277+50.00 TO STA 285+20.77

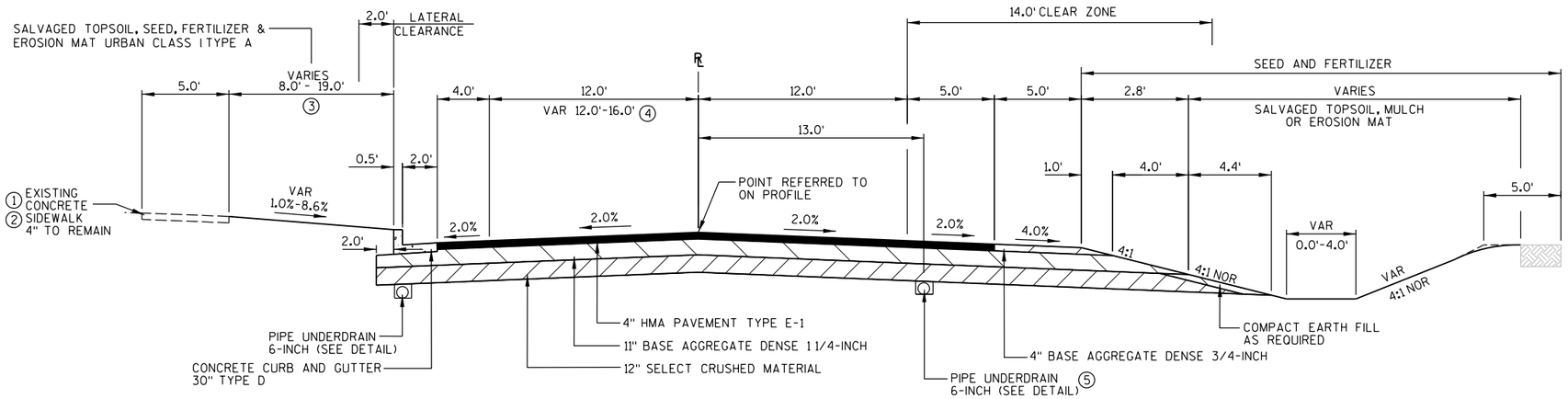


TYPICAL FINISHED SECTION

CTH P
STA 285+20.77 TO STA 292+25.00

1 PLACE 2" ASPHALTIC SURFACE AND 4" BASE AGGREGATE DENSE 3/4-INCH BETWEEN STA 285+20.8 AND STA 293+51.7 LT

2



TYPICAL FINISHED SECTION

CTH P
STA 297+50.00 TO STA 299+50.00

NOTES:

① EXISTING CONCRETE SIDEWALK LOCATIONS:
STA 259+49.00 TO STA 277+50.00 LT
STA 292+25.00 TO STA 298+57.25 LT

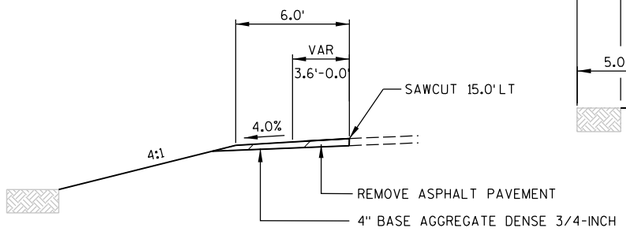
② CONSTRUCT NEW CONCRETE SIDEWALK 4-INCH WITH 4" BASE AGGREGATE DENSE 3/4-INCH:
STA 298+57.25 TO STA 303+62.98 LT

③ 9.0' STA 298+57.25 TO STA 303+62.98 LT

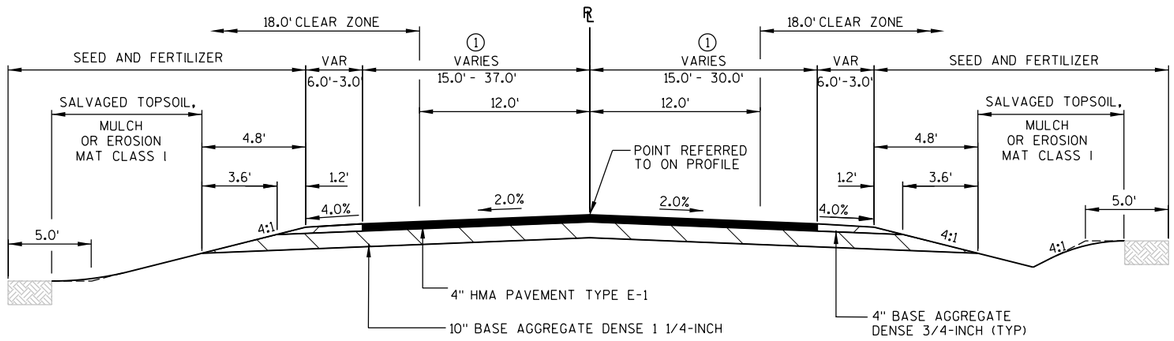
④ TRAVEL WIDTH VARIES FROM 12.0'-16.0'
STA 298+88.76 TO STA STA 300+98.76 LT

⑤ FOR PIPE UNDERDRAIN 6-INCH INSTALLATION WITHIN RECONSTRUCTION LIMITS, REFER TO DETAIL "PIPE UNDERDRAIN BELOW PAVEMENT"

2

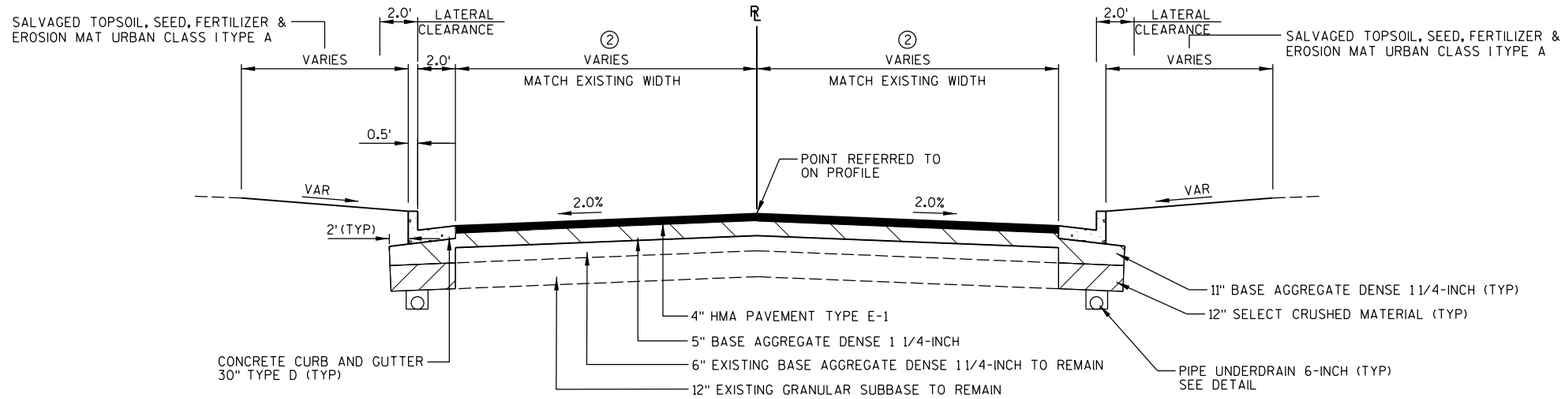


CTH M SHOULDER
STA 12+27.11 TO STA 13+08.00 LT



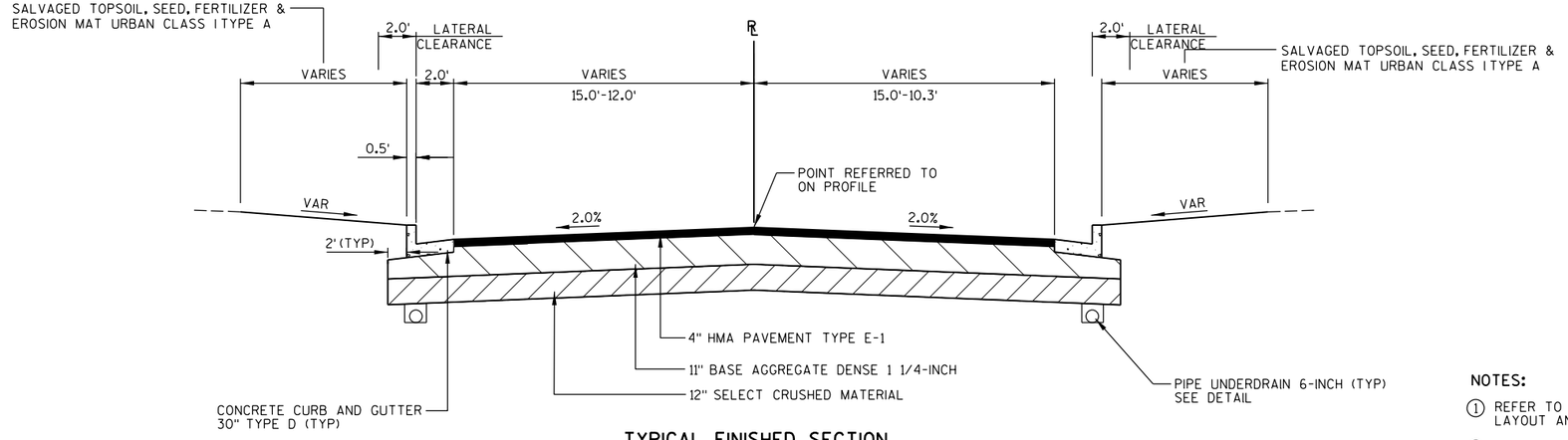
TYPICAL FINISHED SECTION

CTH M



TYPICAL FINISHED SECTION

E-Z AVENUE
BRICKLE AVENUE
GEORGE AVENUE

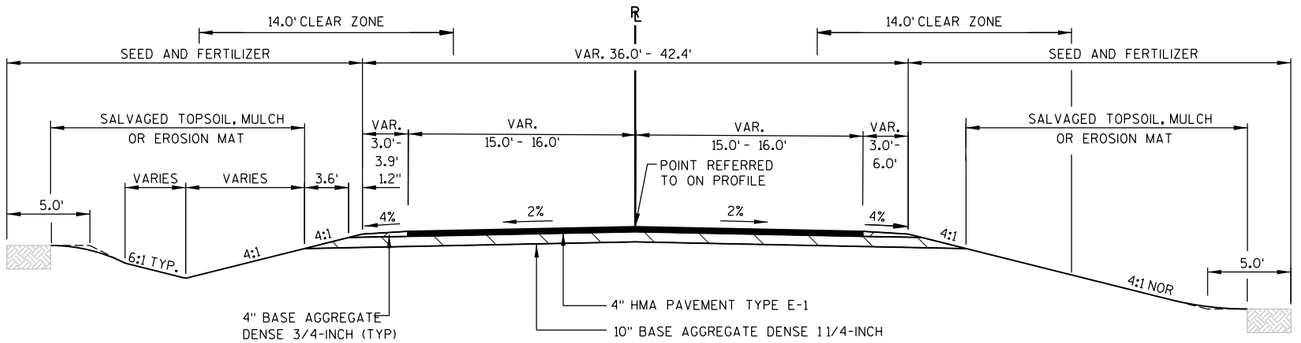


TYPICAL FINISHED SECTION

SCHOOL AVENUE

NOTES:

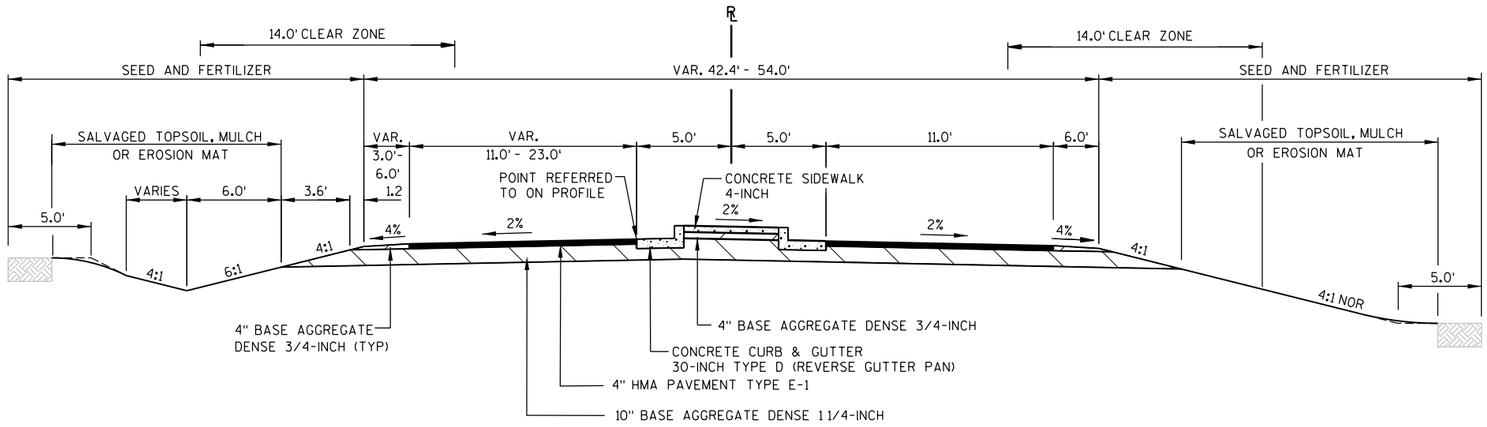
1. REFER TO INTERSECTION DETAIL SHEETS FOR WIDTHS, ISLAND LAYOUT AND CURB AND GUTTER LOCATIONS
2. REFER TO PLAN & PROFILE SHEETS FOR SIDE ROAD WIDTHS



TYPICAL FINISHED SECTION

NORTH ROAD

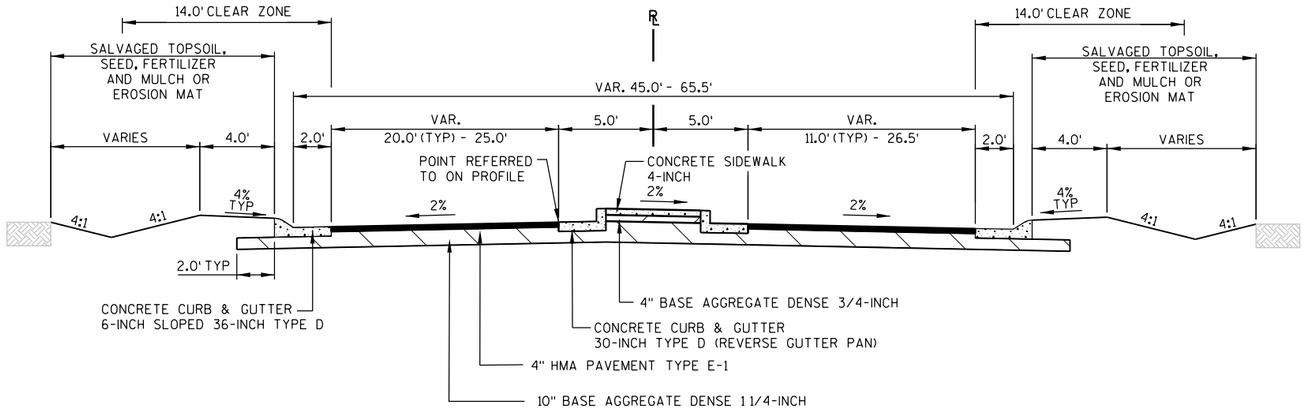
STA 45+75.00 TO STA 47+08.00



TYPICAL FINISHED SECTION

NORTH ROAD

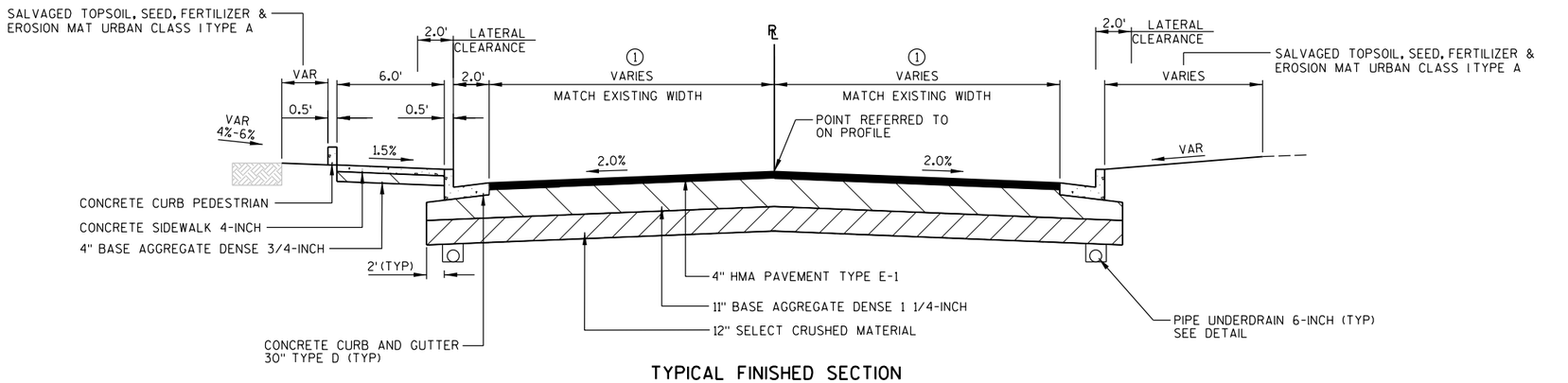
STA 47+08.00 TO STA 48+27.90



TYPICAL FINISHED SECTION

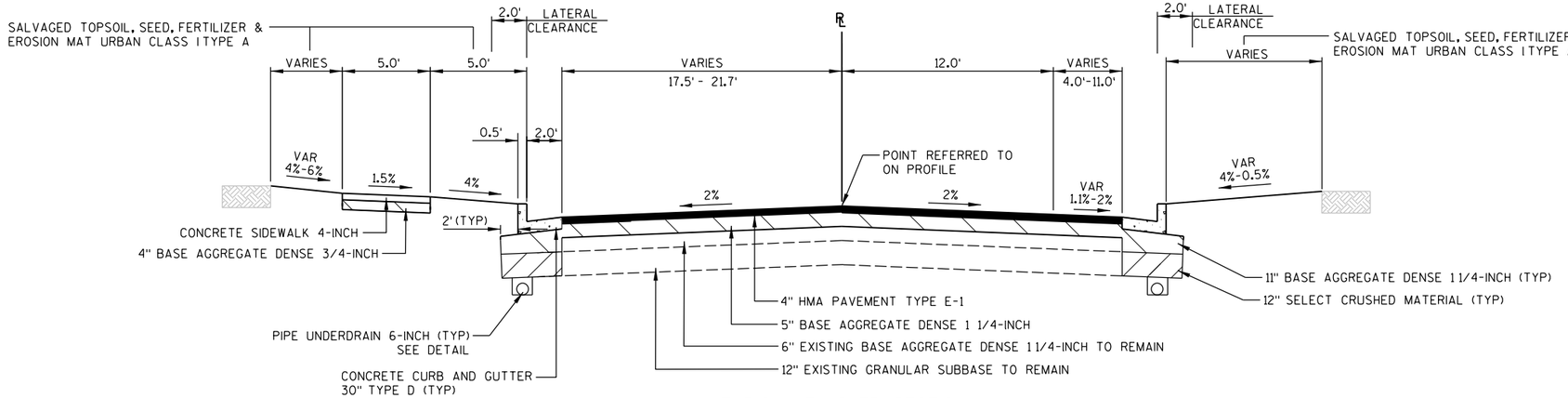
NORTH ROAD

STA 48+43.20 TO STA 49+16.40



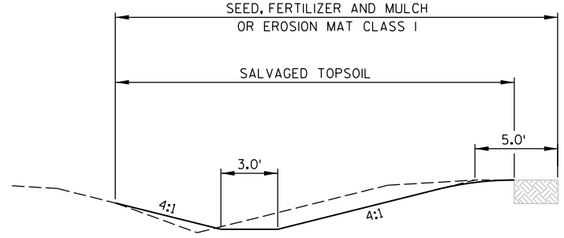
TYPICAL FINISHED SECTION

NORTH ROAD
STA 49+82.88 TO STA 50+40.00

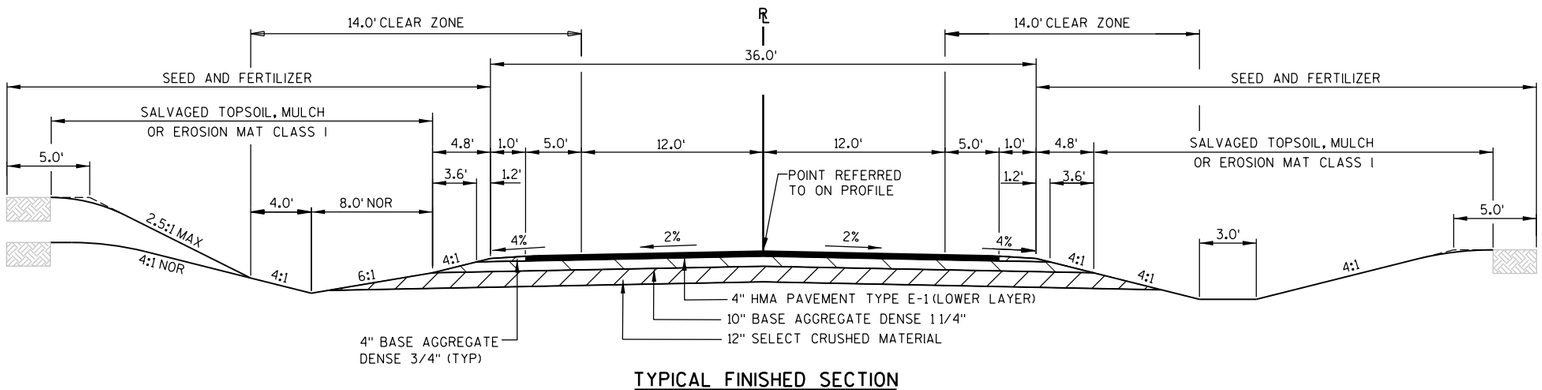


TYPICAL FINISHED SECTION

CONNOR STREET
STA 100+00.00 TO STA 102+24.90



DITCH GRADING RT
STA 107+25.00 TO STA 108+50.00



TYPICAL FINISHED SECTION

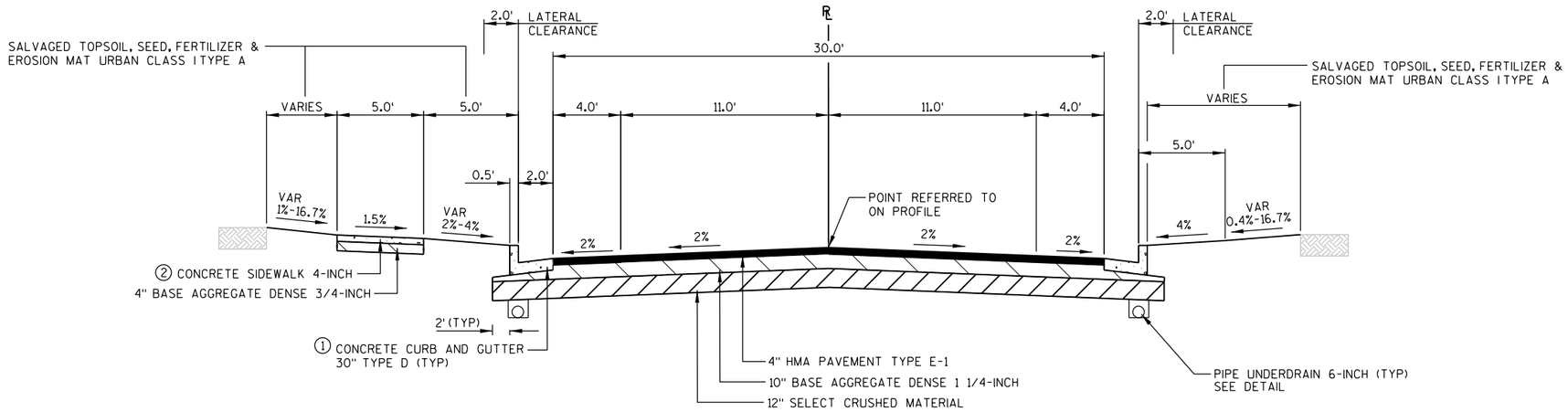
MARSHFIELD STREET
STA 108+50.00 TO STA 119+01.58

NOTES:

① REFER TO PLAN & PROFILE SHEETS FOR SIDE ROAD WIDTHS AND CURB AND GUTTER LOCATIONS.

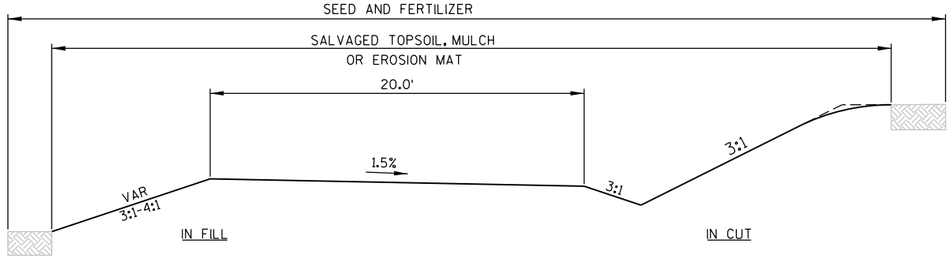
② BEGIN 12" SELECT CRUSHED MATERIAL STA 118+29.68

2



TYPICAL FINISHED SECTION

MARSHFIELD STREET
STA 119+01.58 TO STA 124+56.30



TYPICAL FINISHED SECTION

FUTURE SHARED-USE PATH CONNECTION
STA 21+00.00 TO STA 22+08.36

NOTES:

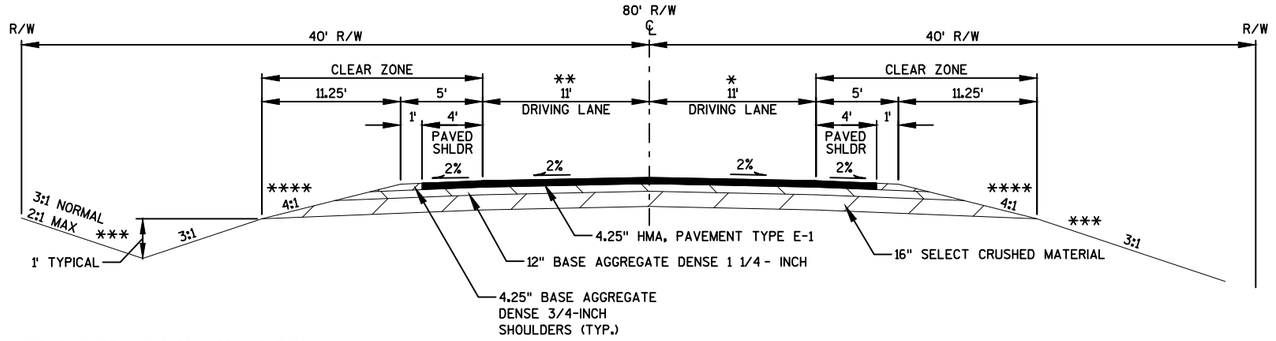
① SEE PLAN AND PROFILE SHEETS FOR LIMITS OF CONCRETE CURB AND GUTTER 30" TYPE D

② CONCRETE SIDEWALK 4-INCH BEGINS AT STA 121+32.45

SUPER ELEVATION TABLES

STA.	LT. LANE	RT. LANE
32+66.27'A'	-2.0%	-2.0%
33+07.60'A'	0.0%	-2.0%
33+48.94'A'	2.0%	-2.0%
34+31.60'A'	6.0%	-6.0%
38+20.23'A'	6.0%	-6.0%
39+02.89'A'	2.0%	-2.0%
39+44.23'A'	0.0%	-2.0%
39+85.56'A'	-2.0%	-2.0%
42+11.05'A'	-2.0%	-2.0%
42+52.59'A'	-2.0%	0.0%
42+94.12'A'	-2.0%	2.0%
43+60.59'A'	-5.2%	5.2%
50+95.89'A'	-5.2%	5.2%
51+62.35'A'	-2.0%	2.0%
52+03.89'A'	-2.0%	0.0%
52+45.42'A'	-2.0%	-2.0%
56+03.45'A'	-2.0%	-2.0%
56+44.78'A'	-2.0%	0.0%
56+86.11'A'	-2.0%	2.0%
57+68.78'A'	-6.0%	6.0%
59+94.96'A'	-6.0%	6.0%
60+77.62'A'	-2.0%	2.0%
61+18.96'A'	-2.0%	0.0%
61+60.29'A'	-2.0%	-2.0%
62+78.70'A'	-2.0%	-2.0%
63+20.04'A'	0.0%	-2.0%
63+61.37'A'	2.0%	-2.0%
64+44.04'A'	6.0%	-6.0%
66+67.22'A'	6.0%	-6.0%
67+49.88'A'	2.0%	-2.0%

MATCH INTERSECTION AT STA. 67+60'A'



** VARIES A-LINE 15'-18' STA. 10+61.32 - STA. 10+71.60
VARIES A-LINE 15'-18' STA. 67+23.09 - STA. 67+53.09
VARIES C-LINE 0'-58' STA. 200+86.34 - STA. 201+44.34
VARIES C-LINE 11'-58' STA. 201+44.34 - STA. 202+25.05
VARIES D-LINE 7'-9' STA. 314+70.00 - STA. 315+18.85
VARIES D-LINE 7'-50' STA. 315+18.35 - STA. 316+32.44
VARIES D-LINE 0'-50' STA. 316+32.44 - STA. 316+82.44

TYPICAL FINISHED SECTION

A-LINE (STA. 10+13.04 - STA. 68+15.35)
B-LINE (STA. 100+00.00 - STA. 100+40.00)
C-LINE (STA. 200+86.34 - STA. 207+00.00)
FUEHRER AVE. - D-LINE (STA. 314+70.00 - STA. 316+82.44)
E-LINE (STA. 400+00.00 - STA. 421+87.80)

* VARIES A-LINE 11'-14' STA. 10+72.86 - STA. 11+02.90
VARIES A-LINE 11'-14' STA. 67+50.17 - STA. 67+60.17
VARIES C-LINE 0'-58' STA. 200+86.34 - STA. 201+44.34
VARIES C-LINE 11'-58' STA. 201+44.34 - STA. 202+25.05
VARIES D-LINE 4-7' STA. 314+70.00 - STA. 315+18.85
VARIES D-LINE 7'-50' STA. 315+18.35 - STA. 316+32.44
VARIES D-LINE 0'-50' STA. 316+32.44 - STA. 316+82.44

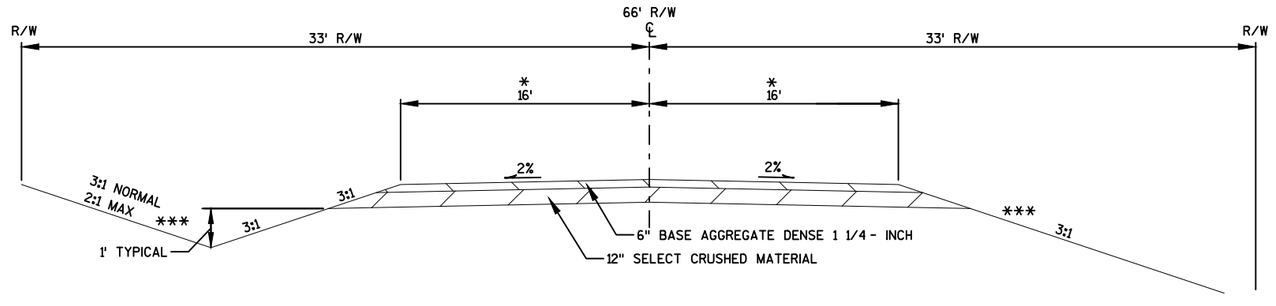
*** 4" SALVAGED TOPSOIL, SEEDING, FERTILIZER AND MULCH
**** 3:1 FOR B-LINE

SUPER ELEVATION TABLES

STA.	LT. LANE	RT. LANE
403+99.10'E'	-2.0%	-2.0%
404+40.35'E'	0.0%	-2.0%
404+81.60'E'	2.0%	-2.0%
405+39.35'E'	4.8%	-4.8%
405+91.32'E'	4.8%	-4.8%
406+49.07'E'	2.0%	-2.0%
406+90.32'E'	0.0%	-2.0%
407+31.57'E'	-2.0%	-2.0%
407+50.34'E'	-2.0%	-2.0%
407+91.59'E'	-2.0%	0.0%
408+32.84'E'	-2.0%	2.0%
408+90.59'E'	-4.8%	4.8%
409+41.92'E'	-4.8%	4.8%
409+99.67'E'	-2.0%	2.0%
410+40.92'E'	-2.0%	0.0%
410+82.17'E'	-2.0%	-2.0%
419+73.72'E'	-2.0%	-2.0%
420+15.05'E'	0.0%	-2.0%
420+56.38'E'	2.0%	-2.0%
421+39.05'E'	6.0%	-6.0%

SUPER ELEVATION TABLE

STA.	LT. LANE	RT. LANE
300+70.73'D'	-2.0%	0.5%
301+01.85'D'	-2.0%	2.0%
301+84.51'D'	-6.0%	6.0%
302+87.70'D'	-6.0%	6.0%
303+70.37'D'	-2.0%	2.0%
304+11.70'D'	-2.0%	0.0%
304+53.04'D'	-2.0%	-2.0%

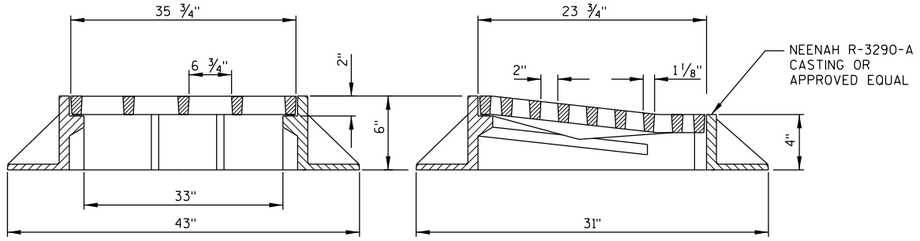


TYPICAL FINISHED SECTION

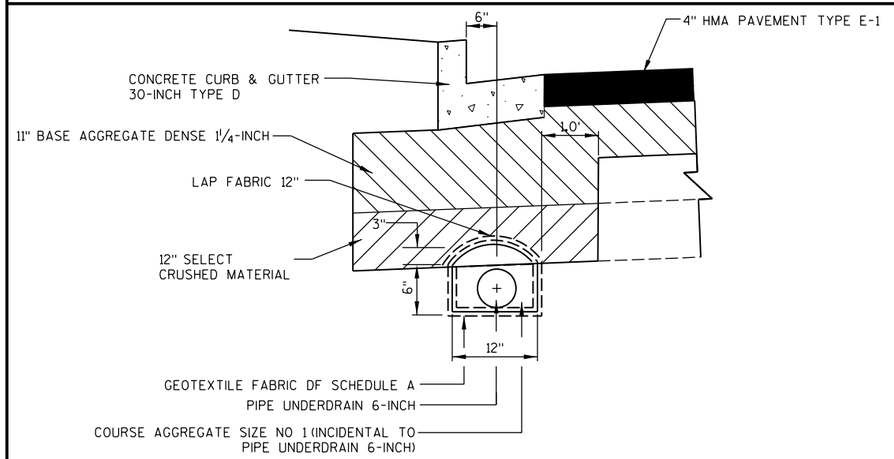
FUEHRER AVE. - D-LINE (STA. 300+00.00 - STA. 305+50.00)

* VARIES D-LINE 7'-16 STA. 300+52.09 - STA. 301+43.18
D-LINE 7' STA. 301+43.18 - 305+50.00

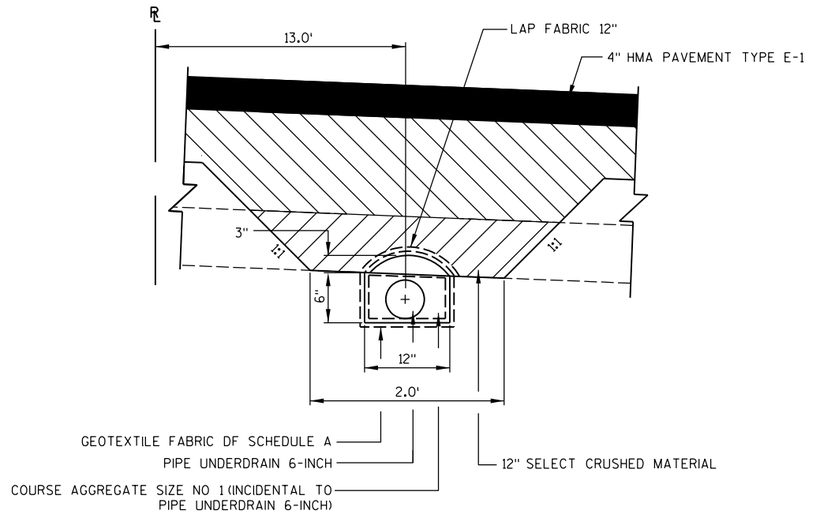
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PROPOSED TYPICAL SECTIONS	SHEET 19	E



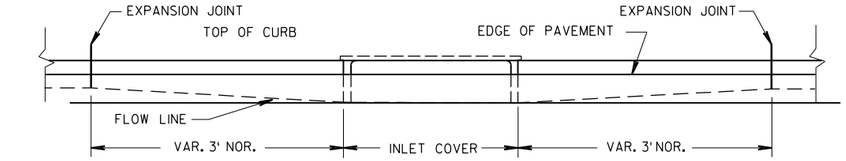
INLET COVER TYPE H SPECIAL

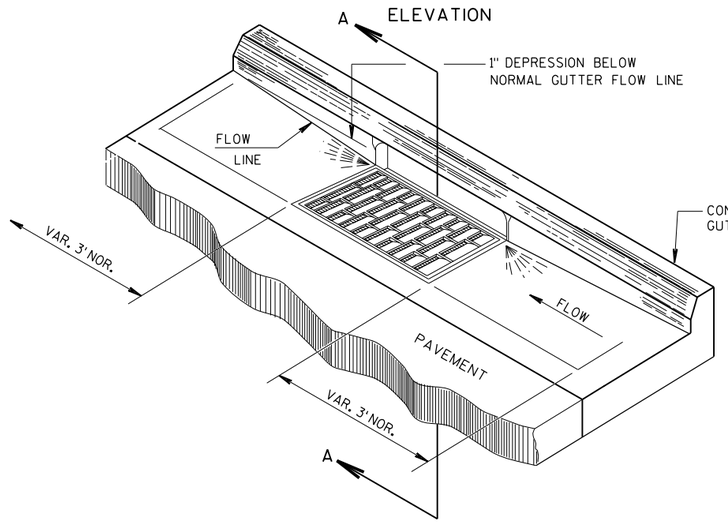


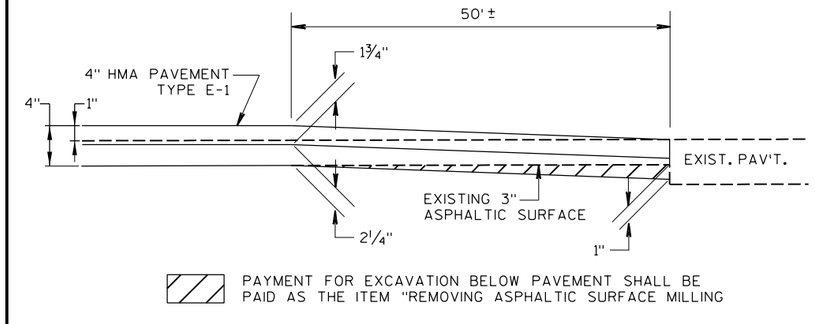
PIPE UNDERDRAIN BELOW CURB & GUTTER



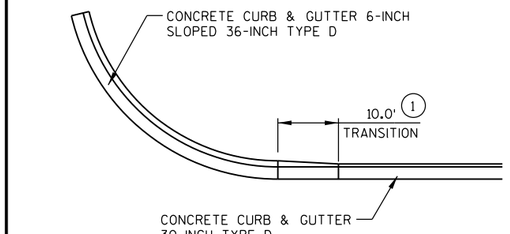
PIPE UNDERDRAIN BELOW PAVEMENT





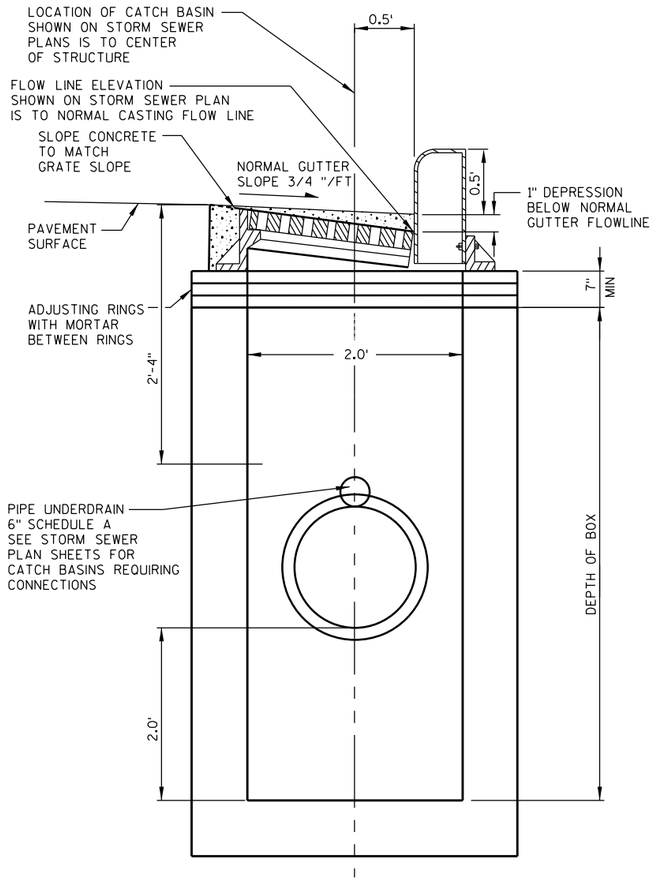


BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS



1 PAYMENT FOR TRANSITION SHALL BE PAID AS THE ITEM OF CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

CONCRETE CURB & GUTTER TRANSITION

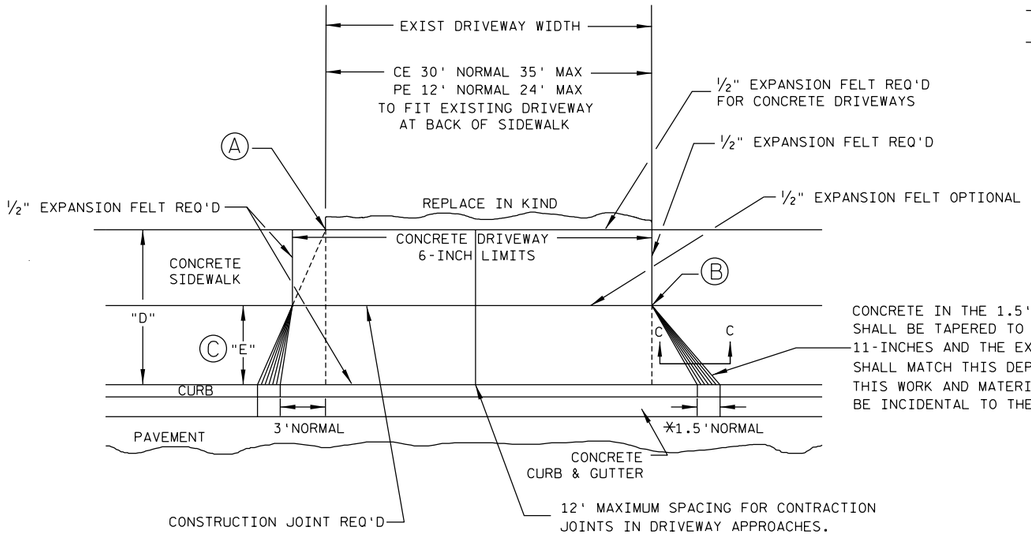


SECTION A-A

CATCH BASIN

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER

2



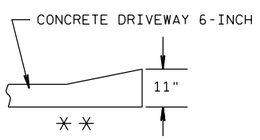
PLAN VIEW

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

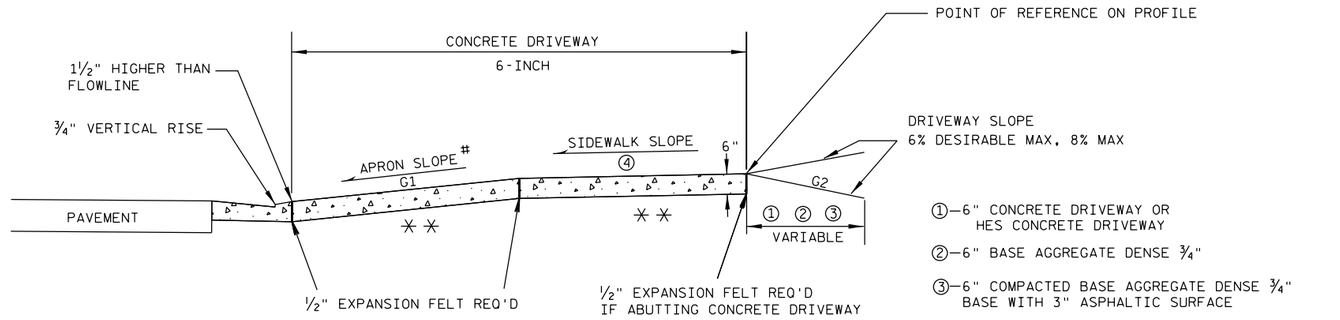
Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK

Ⓒ WHEN ENTRANCE IS WITHIN CURB & GUTTER LIMITS AND NO SIDEWALK IS PRESENT "E" SHALL BE 5.0'

✳ WHEN "E" =0
MAKE CURB TAPER 5'



SECTION C-C



TYPICAL SIDEWALK SECTION

①—6" CONCRETE DRIVEWAY OR HES CONCRETE DRIVEWAY

②—6" BASE AGGREGATE DENSE ¾"

③—6" COMPACTED BASE AGGREGATE DENSE ¾" BASE WITH 3" ASPHALTIC SURFACE

④—EXISTING SIDEWALK SLOPE TO REMAIN = 0.02%
NEW SIDEWALK SLOPE = 0.015%

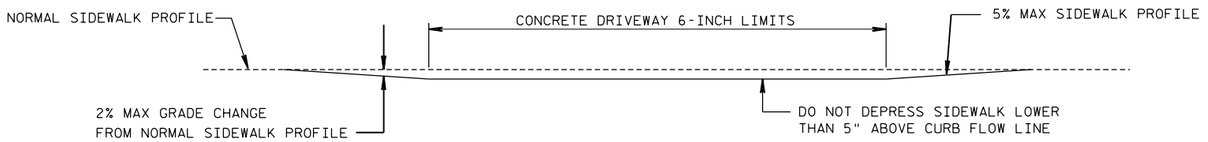
✳✳ = 6" BASE AGGREGATE DENSE ¾" REQ'D UNDER CONCRETE DRWY

#

TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	5.0	6.0	8.0
4 FT	5.0	6.0	8.0
5 FT	4.0	6.0	8.0
6 FT	4.0	6.0	8.0
7 FT	3.5	6.0	8.0
8 FT	3.0	6.0	8.0

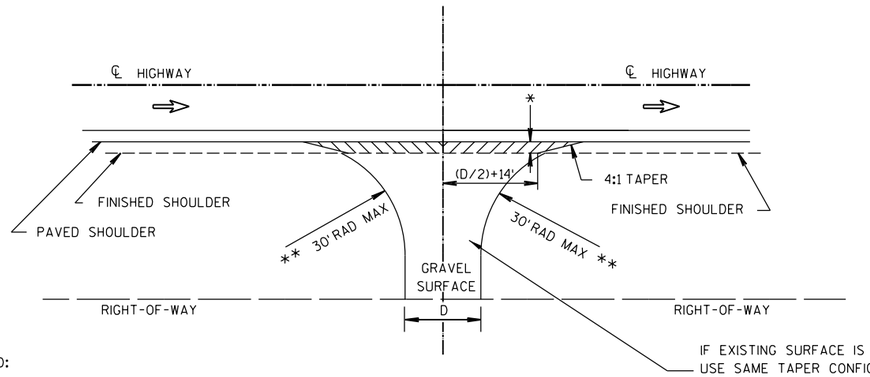
NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE



DEPRESSED SIDEWALK PROFILE

RURAL DRIVEWAY
(PE'S, FE'S & CE'S)



LEGEND:

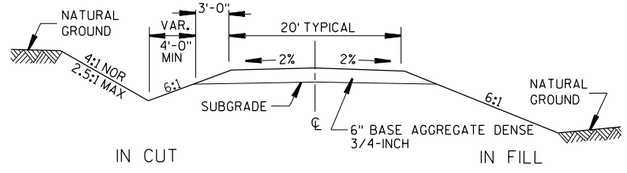
ASPHALTIC PAVEMENT THROUGH DRIVEWAY

NOTE: ** RADIUS IS TANGENT AT PAVED SHOULDER EDGE OR 5' MAX OFF THE EDGE OF MAIN LINE PAVEMENT WHICHEVER IS LESS.

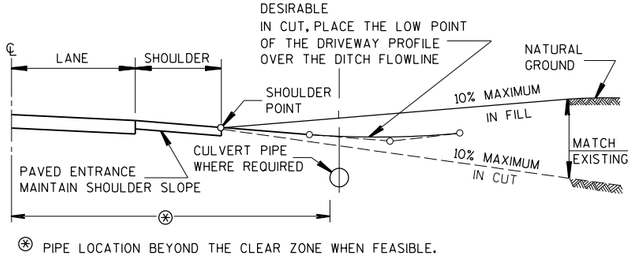
NOTE: * 3' MAX OR TO FINSHED SHOULDER WHICH EVER IS LESS.

D=DRIVEWAY WIDTH
D=20 TYP (PE'S & FE'S) (16'MIN-24'MAX)
D=28 (CE'S & FARM ENT) (24'MIN-35'MAX)

RURAL DRIVEWAY

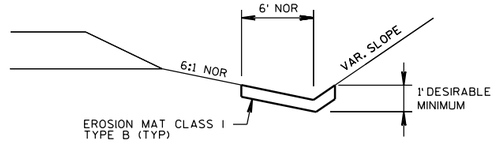


TYPICAL CROSS SECTION FOR PRIVATE
DRIVE OR FIELD ENTRANCE

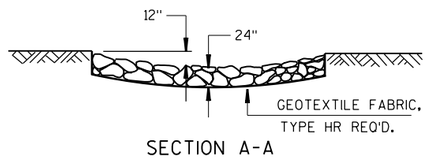


⊛ PIPE LOCATION BEYOND THE CLEAR ZONE WHEN FEASIBLE.

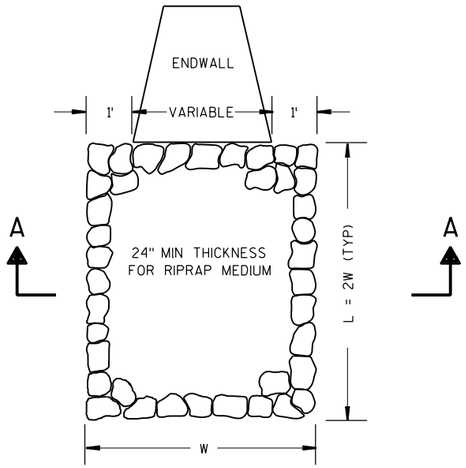
TYPICAL RURAL DRIVEWAY PROFILES



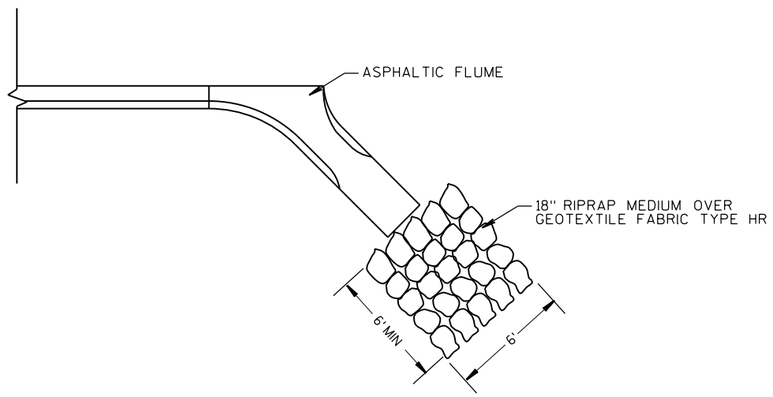
EROSION MAT DETAIL FOR DITCHES



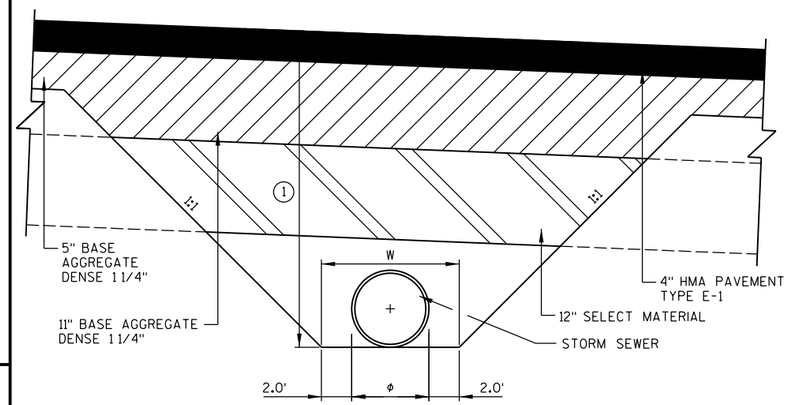
SECTION A-A



RIPRAP MEDIUM TREATMENT AT CULVERTS



RIPRAP MEDIUM AT ASPHALTIC FLUME

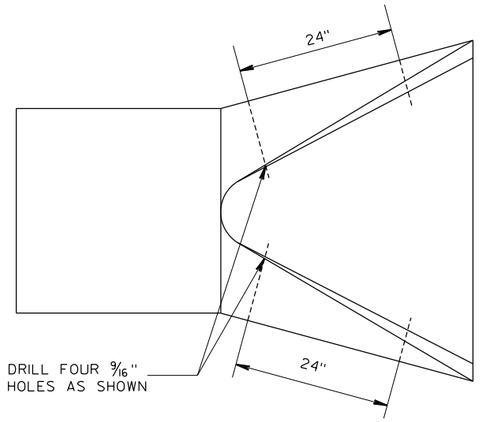


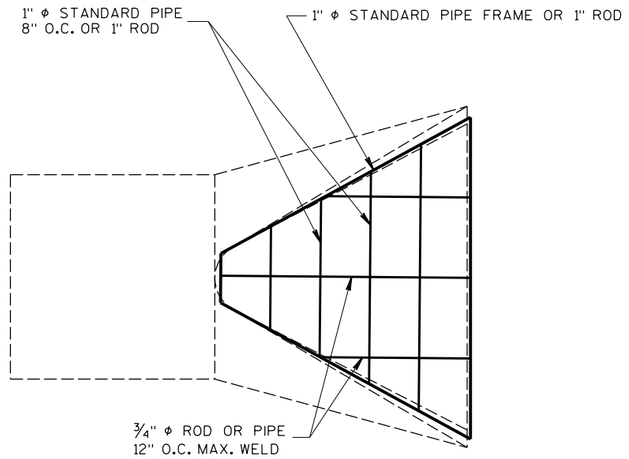
STORM SEWER INSTALLATION

TABLE		
PIPE SIZE	ϕ	W
12	1.33'	5.33'
15	1.63'	5.63'
18	1.92'	5.92'
24	2.5'	6.5'
19X30	3.0'	7.0'

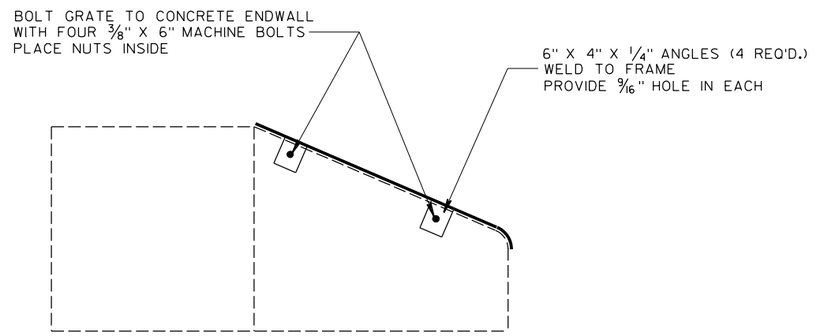
(1) DEPTH VARIES FROM 3.8' TO 8.0'

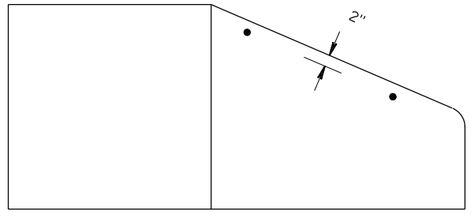
2

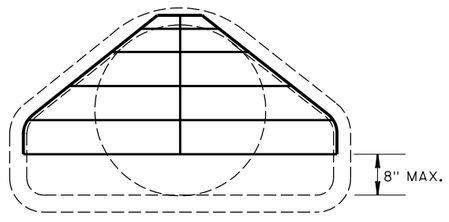




AT EACH PIPE

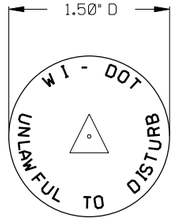






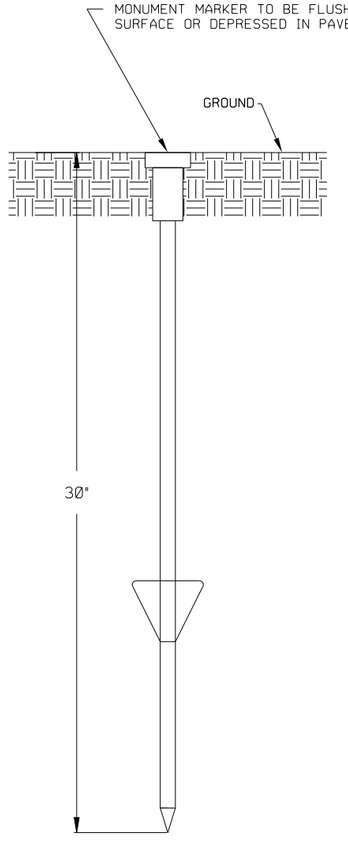
PIPE GRATE DETAIL

24-INCH OR LARGER



WIS DOT MONUMENT CAP MARKER LOGO (SSDR130)

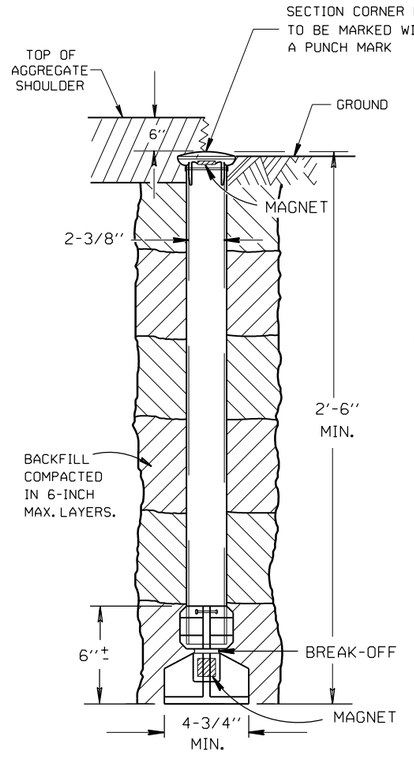
CONTRACTOR TO ORDER LANDMARK REFERENCE MONUMENTS WITH THE ABOVE STAMPING



(FRONT VIEW)

BERNSTEN DRIVABLE MONUMENT SSDR130

LANDMARK REFERENCE MONUMENT (TIES ONLY)

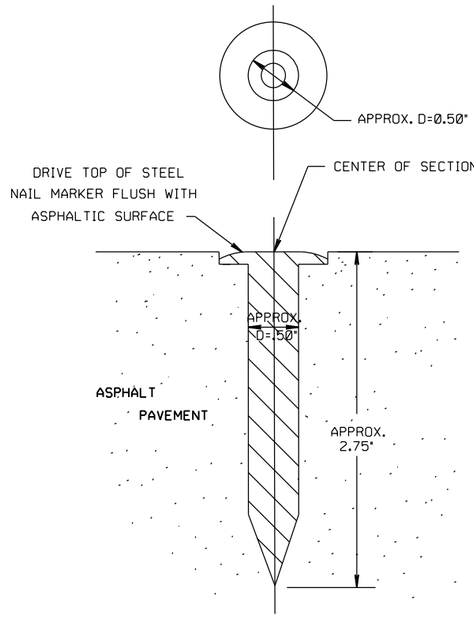


(SIDE VIEW)

OUTSIDE OF PAVEMENT

BERNTSEN A1BR30 ALUMINUM BREAK-OFF MONUMENT

CENTER OF SECTION CORNER (PLAN VIEW)

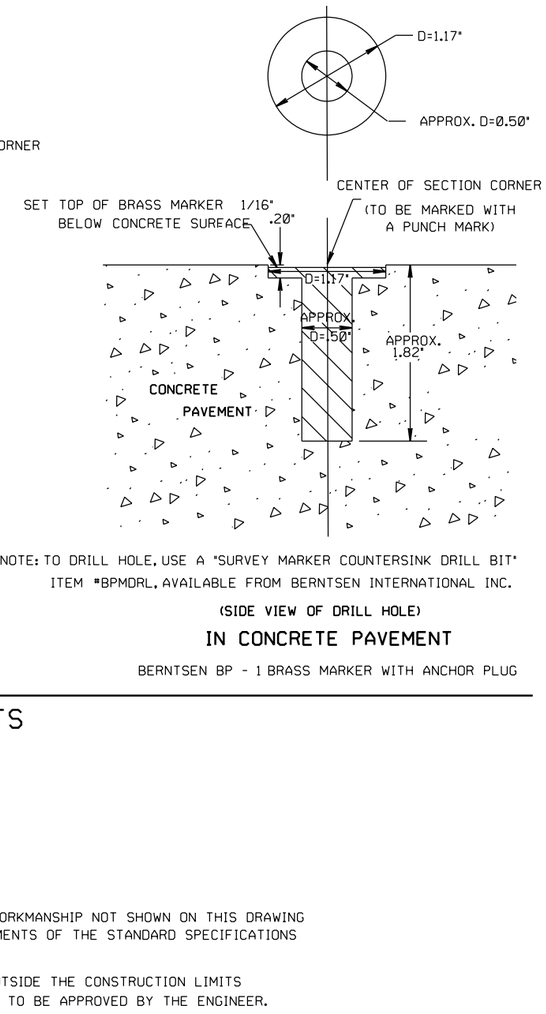


(SIDE VIEW)

IN ASPHALTIC PAVEMENT

BERNTSEN SNM1 STEEL NAIL MARKER

CENTER OF SECTION CORNER (PLAN VIEW OF DRILL HOLE)



NOTE: TO DRILL HOLE, USE A "SURVEY MARKER COUNTERSINK DRILL BIT" ITEM #BPMDRL, AVAILABLE FROM BERNTSEN INTERNATIONAL INC.

(SIDE VIEW OF DRILL HOLE)

IN CONCRETE PAVEMENT

BERNTSEN BP - 1 BRASS MARKER WITH ANCHOR PLUG

SECTION CORNER MONUMENTS

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.

LOCATE LANDMARK REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS AND WITHIN WISDOT RIGHT OF WAY. LOCATION TO BE APPROVED BY THE ENGINEER.

CONTRACTOR WILL SUPPLY ALL REQUIRED SURVEY MONUMENTS.

SECTION CORNER MONUMENT AND LANDMARK REFERENCE MONUMENT DETAIL

PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	CONSTRUCTION DETAIL	SHEET 25	E

2

BM 5

MARSHFIELD ST

29+00

28+00

27+00

36" RCP

15" CMP

24" CMP

24" CMP

STA 29+30, ℄
REMOVE EXISTING 36"X73'RCP

SLOPE INTERCEPT

NEW STORM SEWER TO BE INSTALLED
BY 6350-07-80 CONTRACTOR

STA 28+83, 37.0'LT
REMOVE EXISTING 15"X35'CMP

GRADE DITCH TO DRAIN (2)

STA 28+30, ℄
REMOVE EXISTING 24"X67'CMP

WISCONSIN CENTRAL LTD

FENCE TRACK CLEARANCE REQ'D (1)

STA 27+65, ℄
REMOVE EXISTING 24"X47'CMP

OBLITERATE OLD ROAD REMOVE
EXISTING ASPHALT PAVEMENT,
TOPSOIL, SEED, FERTILIZE AND
MULCH

GRADE DITCH TO DRAIN (2)

SAWCUT REQ'D

(1) CONTRACTOR SHALL INSTALL FENCE TRACK CLEARANCE PRIOR TO CONSTRUCTION OPERATIONS.

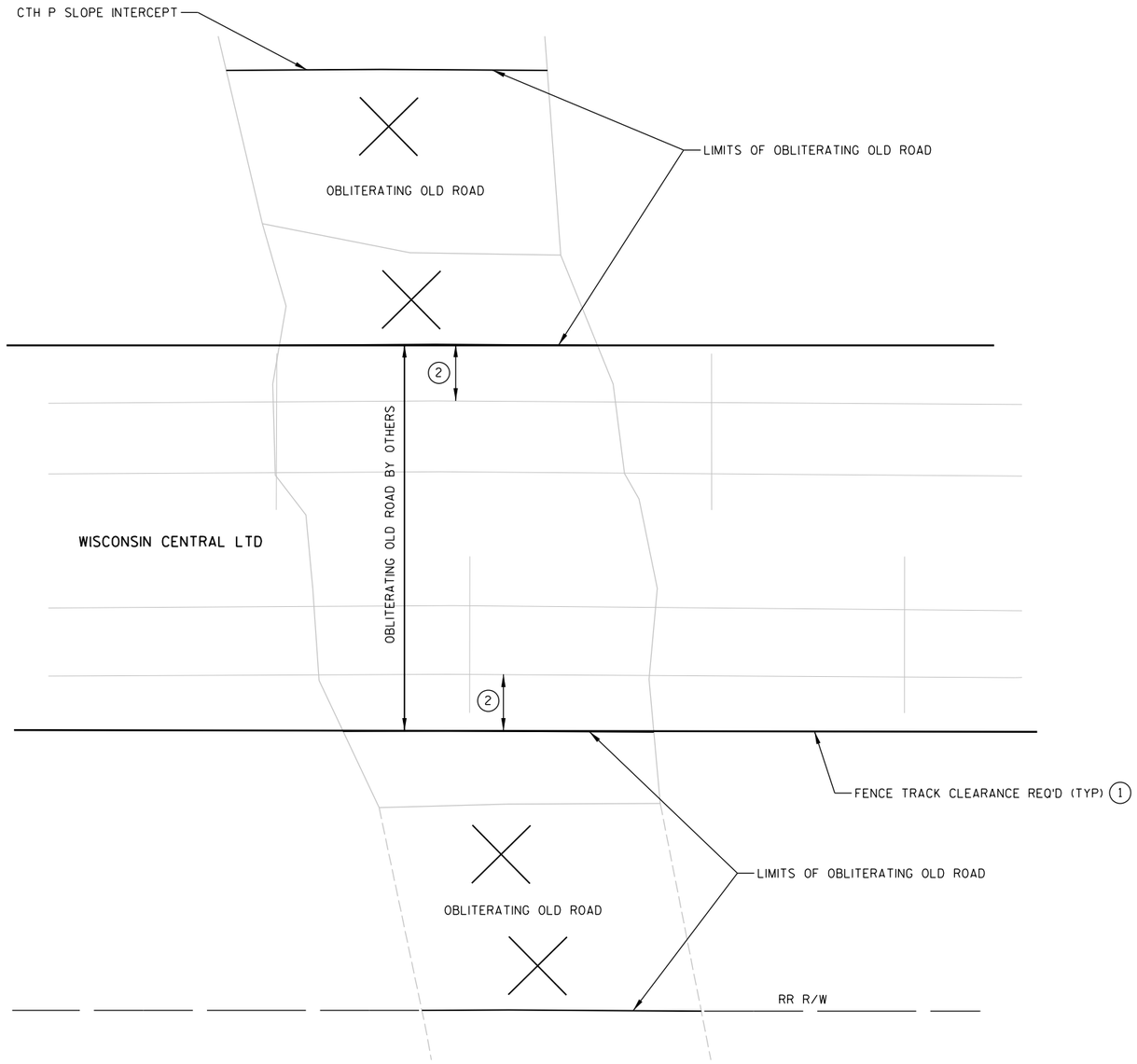
(2) AFTER PIPE REMOVAL, GRADE DITCH TO DRAIN SHALL BE PAID AS THE ITEM OF OBLITERATING OLD ROAD.

OBLITERATING OLD ROAD

MARSHFIELD STREET
STA 27+00.90 - STA 27+62.50
STA 28+03.80 - STA 29+18.80

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	CONSTRUCTION DETAILS	SHEET 26	E

2



OBLITERATING OLD ROAD

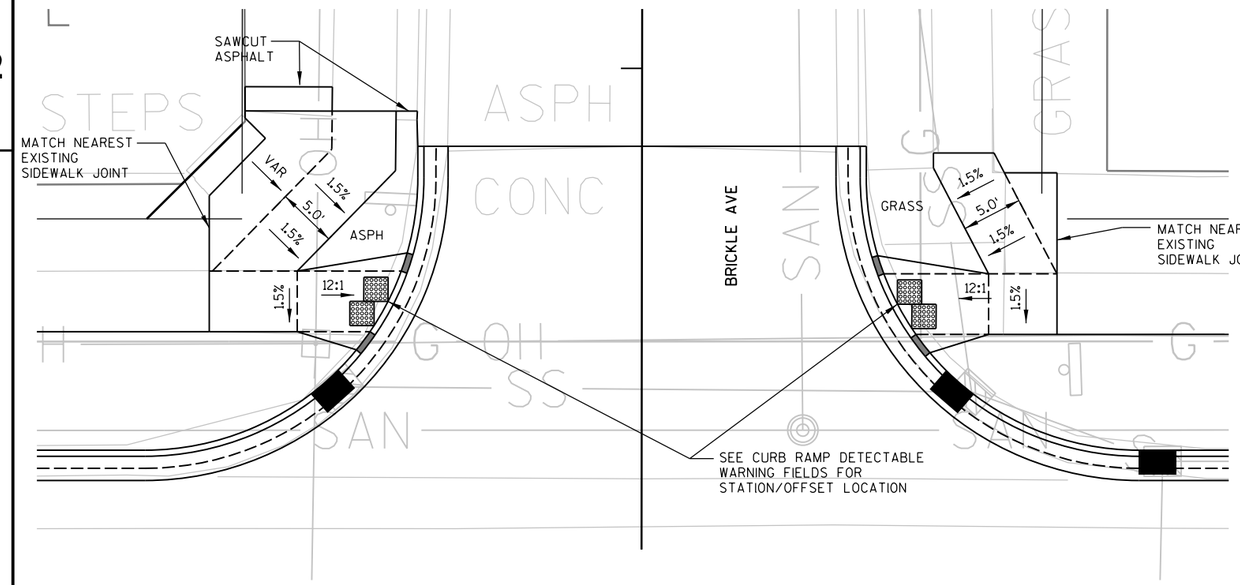
FUEHRER AVENUE
STA 37+64.20 - STA 38+39.40
STA 38+72.40 - STA 39+20.50

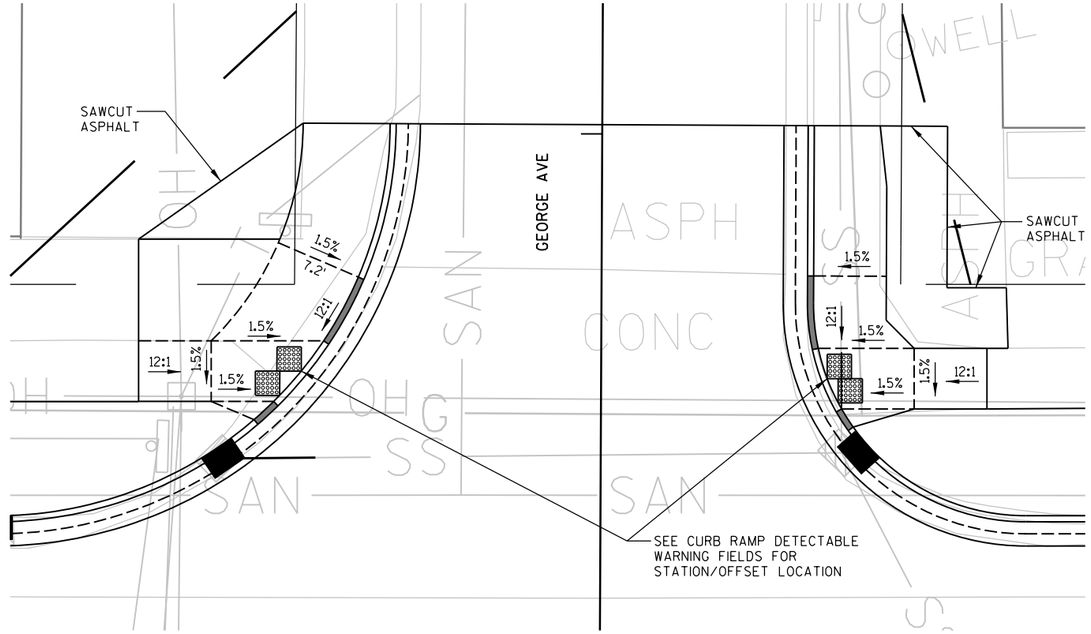
SCHULTZ AVENUE
STA 57+70.30 - STA 58+49.20
STA 58+76.00 - STA 59+26.20

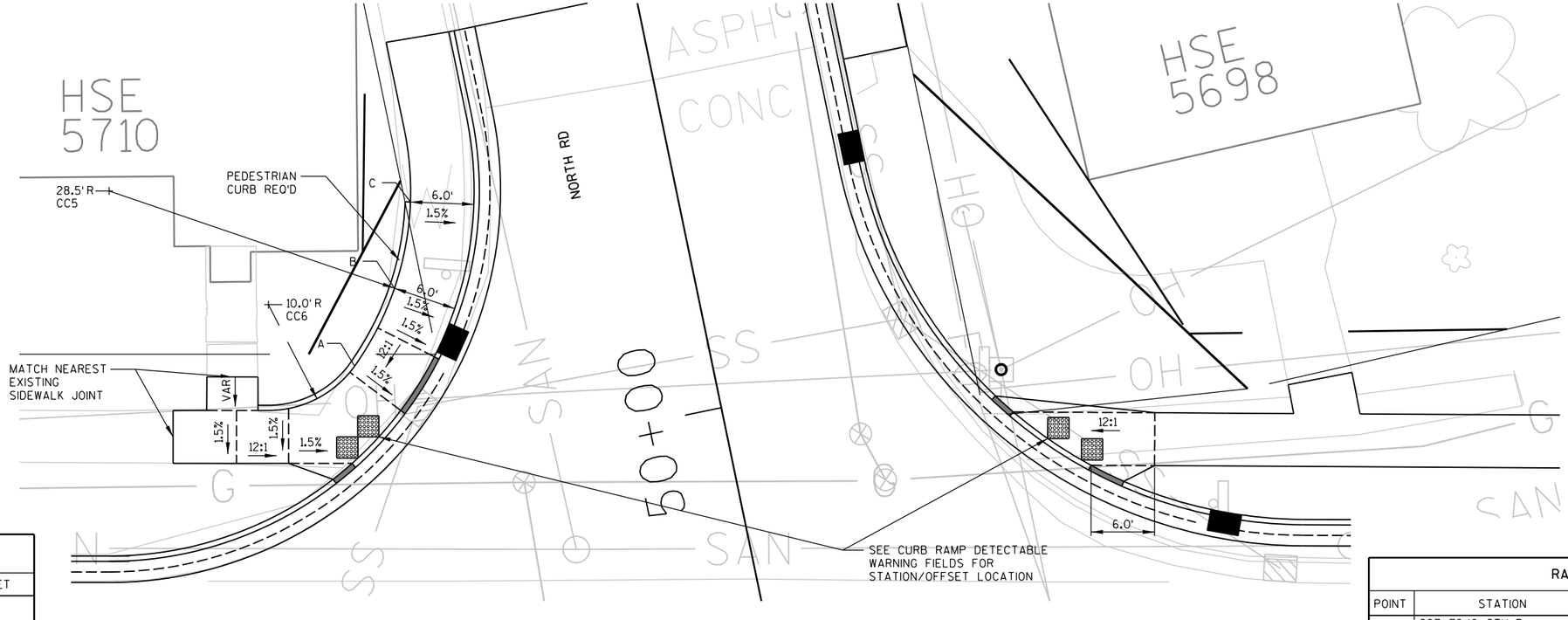
GEORGE AVENUE
STA 87+71.60 - STA 88+43.70 - REMOVE PAVEMENT ONLY
STA 88+78.20 - STA 89+41.90

(1) CONTRACTOR SHALL INSTALL FENCE TRACK CLEARANCE PRIOR TO CONSTRUCTION OPERATIONS.

(2) CONTRACTOR SHALL OBLITERATE OLD ROAD TO A DISTANCE OF 4 FEET FROM THE OUTSIDE EDGE OF THE OUTSIDE RAIL.





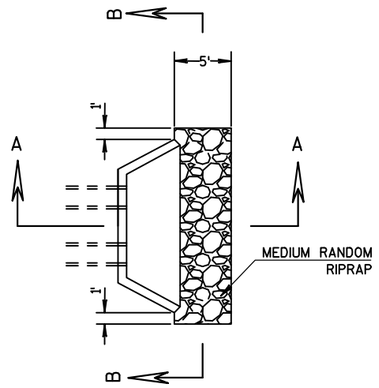


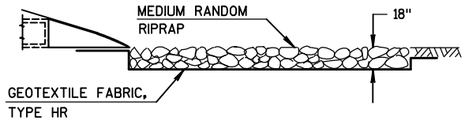
POINT TABLE		
POINT	STATION	OFFSET
A	50+10.88	33.1' LT
B	50+17.33	27.9' LT
C	50+25.00	24.8' LT

RADIUS POINT TABLE				
POINT	STATION	OFFSET	RADIUS	COORDINATES
CC5	297+76.10 CTH P 50+31.80 NORTH ROAD	53.0' LT 52.5' LT	28.5' R	Y = 537939.343 X = 682636.668
CC6	297+91.16 CTH P 50+18.23 NORTH ROAD	42.3' LT 39.9' LT	10.0' R	Y = 537925.720 X = 682649.185

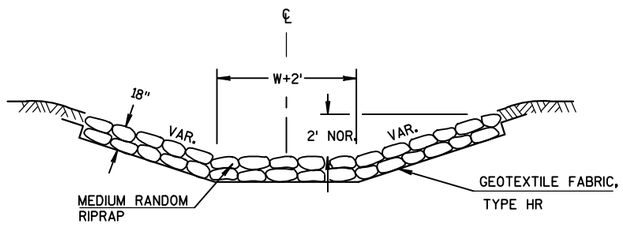
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	SIDEWALK RAMP DETAILS	SHEET 28	E

2



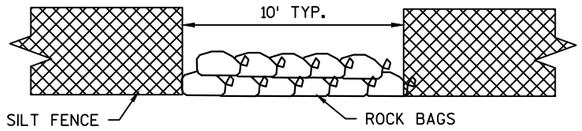


SECTION A-A



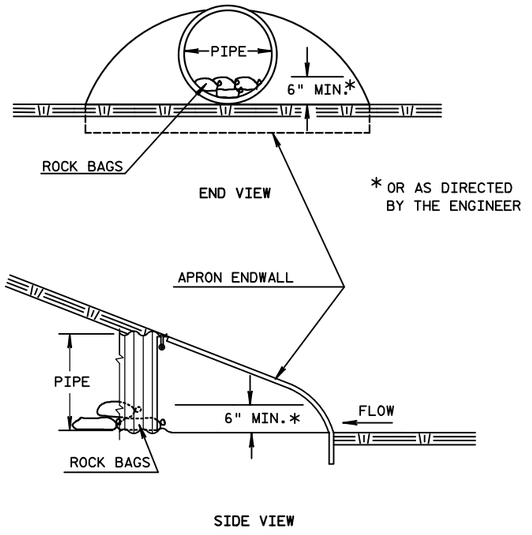
SECTION B-B

MEDIUM RANDOM RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT MASONRY ENDWALL



SILT FENCE RELIEF

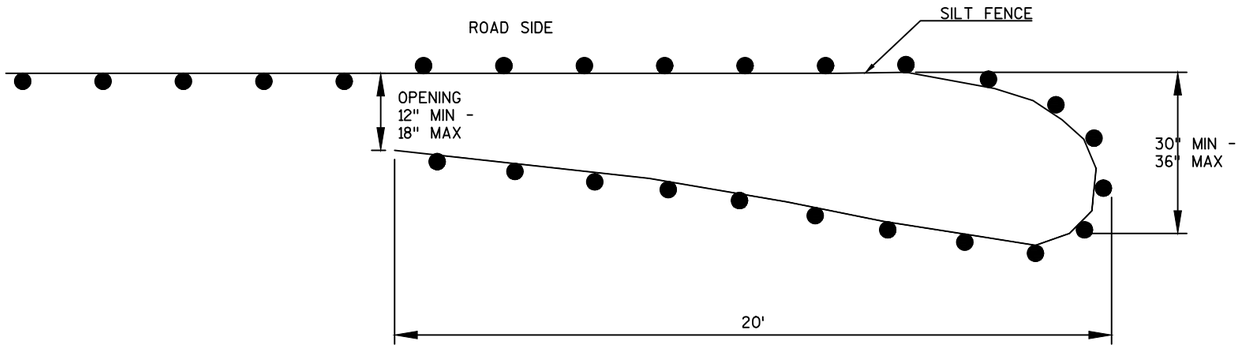
PAID AS ROCK BAGS EACH,
30 PER LOCATION TYP.



SIDE VIEW

CULVERT PIPE DITCH CHECK

2



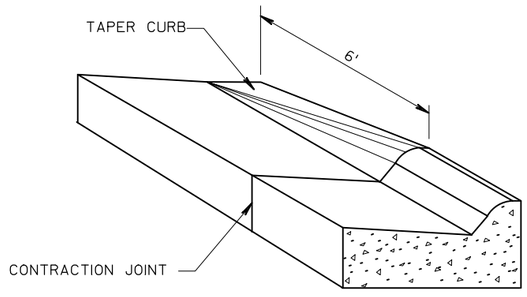
PLAN VIEW

GENERAL NOTES:

THE PURPOSE OF THE TURTLE TURN-AROUNDS ARE TO REDIRECT THE TURTLES AWAY FROM THE CONSTRUCTION ZONE. DESIGN SHOULD INCLUDE TRENCH-IN SEDIMENT FENCING AND FENCING SUPPORTS ON THE UPSLOPE SIDE OF FENCE. SILT FENCE POSTS FOR THE TURN-AROUND SHALL BE ON THE OUTSIDE OF THE TURN-AROUND. AND TRENCHED IN ACCORDING TO SILT FENCE REQUIREMENTS.

TEMPORARY SMALL ANIMAL TURN-AROUND

(INCLUDED IN SILT FENCE BID ITEM)



DETAIL OF CURB & GUTTER TERMINI

2

2

BP: 300+00.00'D'

PC: 301+43.18'D'

FINISHED EDGE OF PAVEMENT

FINISHED EDGE OF GRAVEL

301+00'D'

302+00'D'

36+00'A'

FINISHED SLOPE INTERCEPT

EXISTING GRAVEL EDGE

LIMITS OF OBLITERATING OLD ROAD
STATION 301+53'D'

N

OBLITERATE OLD ROAD REMOVE
EXISTING ASPHALT PAVEMENT,
TOPSOIL, SEED, FERTILIZE AND
MULCH

EXISTING R/W

LIMITS OF OBLITERATING OLD ROAD
STATION 300+50'D'

37+00'A'

TLE

R/W

ESTIMATED DEPTH 12-INCH
TO REMOVE

TOP OF GRAVEL ROADWAY

EXISTING GROUND

4-INCH SALVAGED TOPSOIL

LOWER LIMIT OF REMOVAL

SECTION VIEW

NOTE: SECTION VIEW NOT TO SCALE

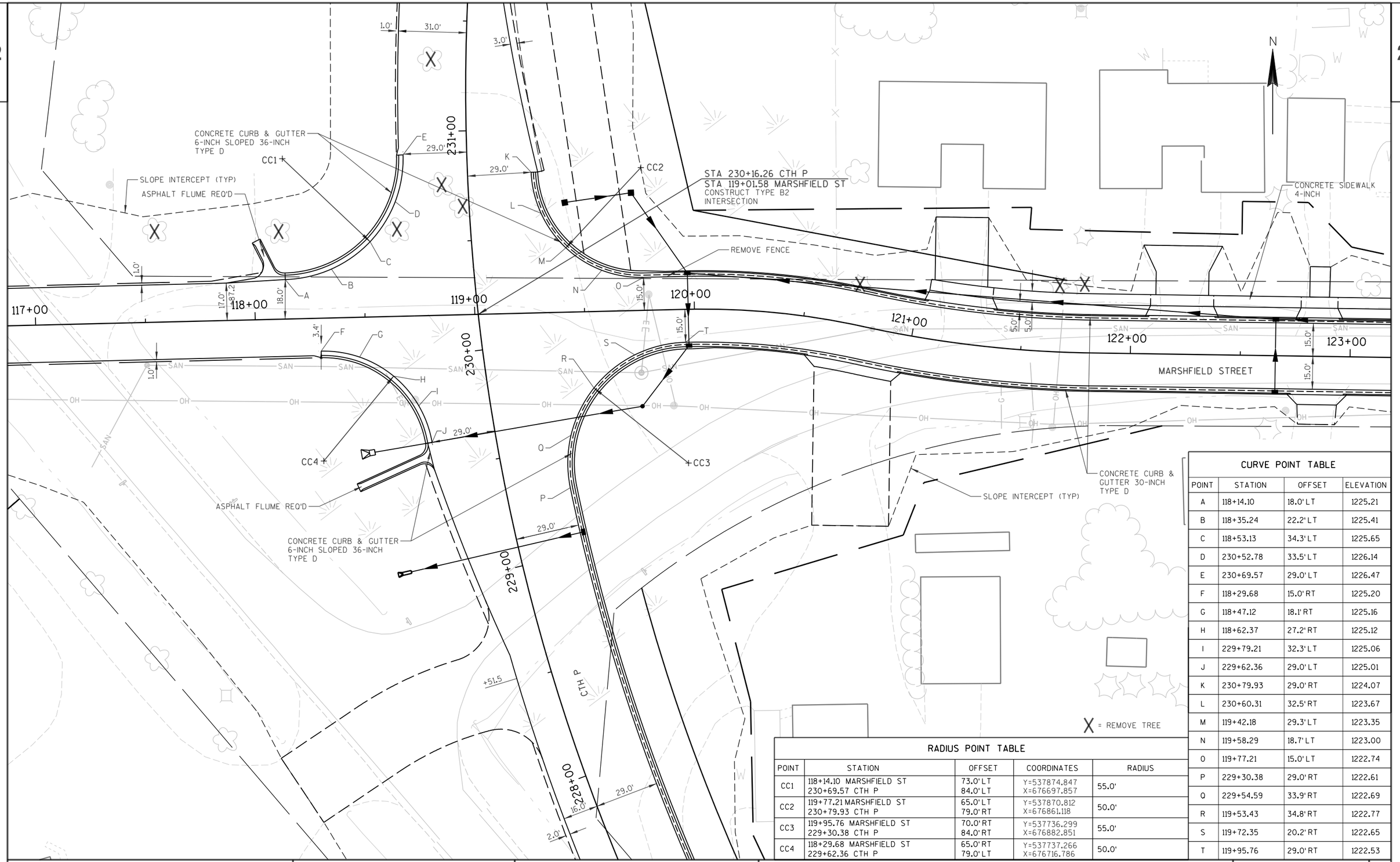
PROJECT NO:6350-07-77	HWY: CTH P/USH 10 FRONTAGE RD	COUNTY: WOOD	OBLITERATION DETAIL FOR FUEHRER ROAD AVE	SHEET	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\021101-CD.DWG
LAYOUT NAME - 021104-CD - OBLITERATE

PLOT DATE : 10/22/2015 11:20 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2



CURVE POINT TABLE

POINT	STATION	OFFSET	ELEVATION
A	118+14.10	18.0' LT	1225.21
B	118+35.24	22.2' LT	1225.41
C	118+53.13	34.3' LT	1225.65
D	230+52.78	33.5' LT	1226.14
E	230+69.57	29.0' LT	1226.47
F	118+29.68	15.0' RT	1225.20
G	118+47.12	18.1' RT	1225.16
H	118+62.37	27.2' RT	1225.12
I	229+79.21	32.3' LT	1225.06
J	229+62.36	29.0' LT	1225.01
K	230+79.93	29.0' RT	1224.07
L	230+60.31	32.5' RT	1223.67
M	119+42.18	29.3' LT	1223.35
N	119+58.29	18.7' LT	1223.00
O	119+77.21	15.0' LT	1222.74
P	229+30.38	29.0' RT	1222.61
Q	229+54.59	33.9' RT	1222.69
R	119+53.43	34.8' RT	1222.77
S	119+72.35	20.2' RT	1222.65
T	119+95.76	29.0' RT	1222.53

RADIUS POINT TABLE

POINT	STATION	OFFSET	COORDINATES	RADIUS
CC1	118+14.10 MARSHFIELD ST 230+69.57 CTH P	73.0' LT 84.0' LT	Y=537874.847 X=676697.857	55.0'
CC2	119+77.21 MARSHFIELD ST 230+79.93 CTH P	65.0' LT 79.0' RT	Y=537870.812 X=676861.118	50.0'
CC3	119+95.76 MARSHFIELD ST 229+30.38 CTH P	70.0' RT 84.0' RT	Y=537736.299 X=676882.851	55.0'
CC4	118+29.68 MARSHFIELD ST 229+62.36 CTH P	65.0' RT 79.0' LT	Y=537737.266 X=676716.786	50.0'

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 32	E

2

CURVE POINT TABLE			
POINT	STATION	OFFSET	ELEVATION
A	247+97.94	29.0' LT	1241.47
B	10+60.06	74.7' LT	1240.60
C	10+66.65	55.8' LT	1239.80
D	10+80.11	41.0' LT	1238.50
E	10+98.30	32.6' LT	1237.46
F	10+54.04	27.0' RT	1237.45
G	10+26.54	35.2' RT	1236.79
H	249+55.05	29.0' LT	1236.10
I	10+48.16	38.2' LT	1239.13
J	10+66.31	26.5' LT	1238.42
K	10+86.54	19.0' LT	1237.73
L	10+86.18	16.0' LT	1237.73
M	10+64.13	16.0' LT	1238.10
N	10+42.08	16.0' LT	1238.32
O	248+74.38	30.7' LT	1238.61
P	248+56.80	29.0' LT	1239.18

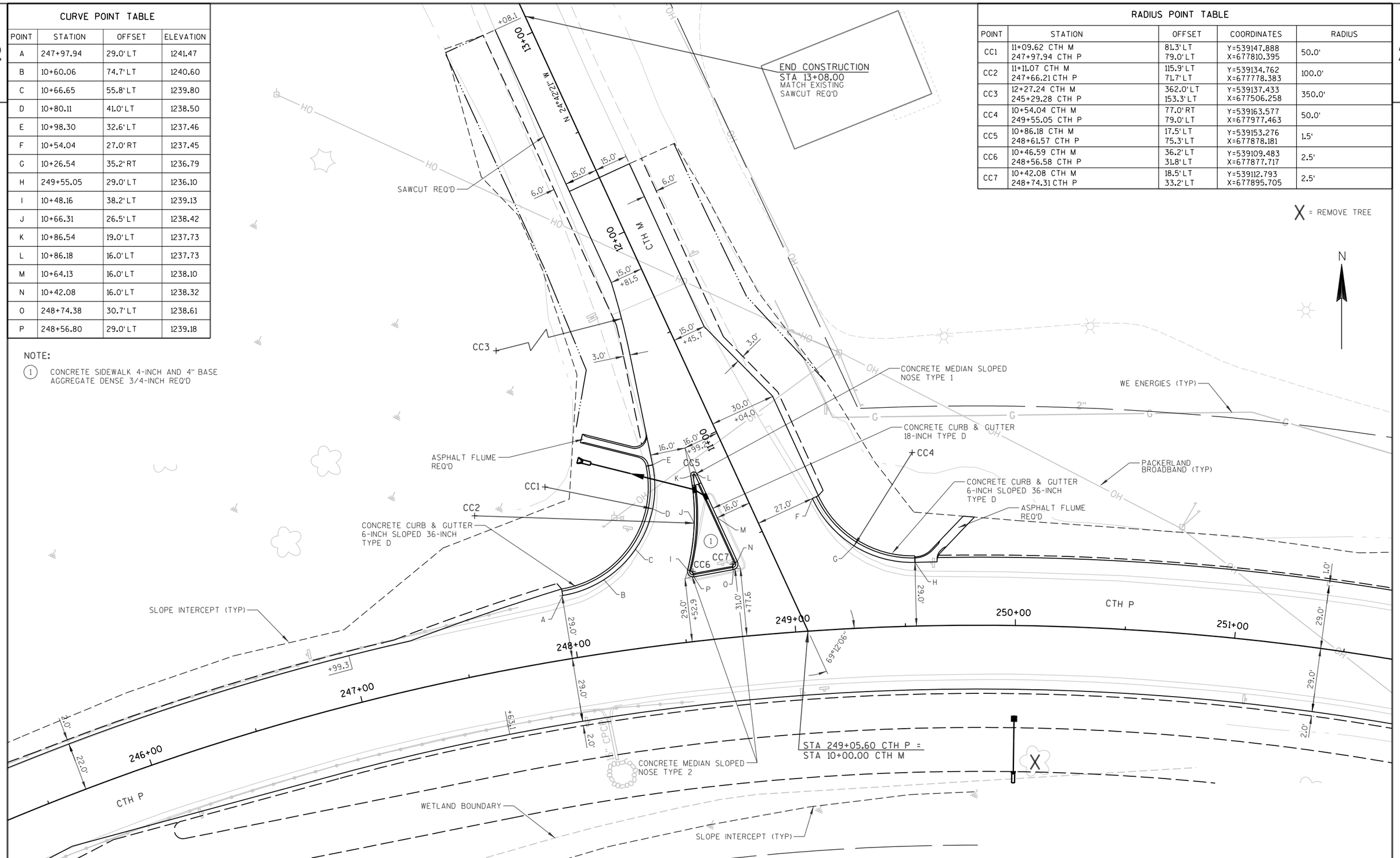
NOTE:

(1) CONCRETE SIDEWALK 4-INCH AND 4" BASE AGGREGATE DENSE 3/4-INCH REQ'D

RADIUS POINT TABLE				
POINT	STATION	OFFSET	COORDINATES	RADIUS
CC1	11+09.62 CTH M 247+97.94 CTH P	81.3' LT 79.0' LT	Y=539147.888 X=677810.395	50.0'
CC2	11+11.07 CTH M 247+66.21 CTH P	115.9' LT 71.7' LT	Y=539134.762 X=677778.383	100.0'
CC3	12+27.24 CTH M 245+29.28 CTH P	362.0' LT 153.3' LT	Y=539137.433 X=677506.258	350.0'
CC4	10+54.04 CTH M 249+55.05 CTH P	77.0' RT 79.0' LT	Y=539163.577 X=677977.463	50.0'
CC5	10+86.18 CTH M 248+61.57 CTH P	17.5' LT 75.3' LT	Y=539153.276 X=677878.181	1.5'
CC6	10+46.59 CTH M 248+56.58 CTH P	36.2' LT 31.8' LT	Y=539109.483 X=677877.717	2.5'
CC7	10+42.08 CTH M 248+74.31 CTH P	18.5' LT 33.2' LT	Y=539112.793 X=677895.705	2.5'

2

X = REMOVE TREE



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 33	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\021102 id.dgn PLOT TIME : 9:15:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

CURVE POINT TABLE			
POINT	STATION	OFFSET	ELEVATION
A	254+61.69	29.0' LT	1230.22
B	20+41.77	32.6' LT	1229.51
C	20+73.00	20.0' LT	1229.29
D	20+74.48	20.0' RT	1229.20
E	20+42.54	33.3' RT	1228.44
F	255+89.52	29.0' LT	1227.49

(2) TYPE 2 CURB RAMP

CANOPY

END CONSTRUCTION
STA 20+82.48
MATCH EXISTING
SAWCUT REQ'D

ASPHALT FLUME REQ'D

BM 4

E-Z AVENUE

21+00

PI 21+18.86

PACKERLAND BROADBAND (TYP)

VILLAGE OF AUBURNDALE (TYP)

GAR

HSE 5998

WE ENERGIES (TYP)

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

CC1

CC2

20.0'

SLOPE INTERCEPT (TYP)

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE D

6" PU

6.0'

1.0'

29.0'

N 26°00'05" E

90°25'

CTH P

254+00

255+00

256+00

257+00

258+00

253+00

252+00

PT 254+95.43

+23.4

2.0'

ALLIANT ENERGY (TYP)

WETLAND BOUNDARY (TYP)

STA 255+23.97 CTH P =
STA 20+00.00 E-Z AVE

SLOPE INTERCEPT (TYP)

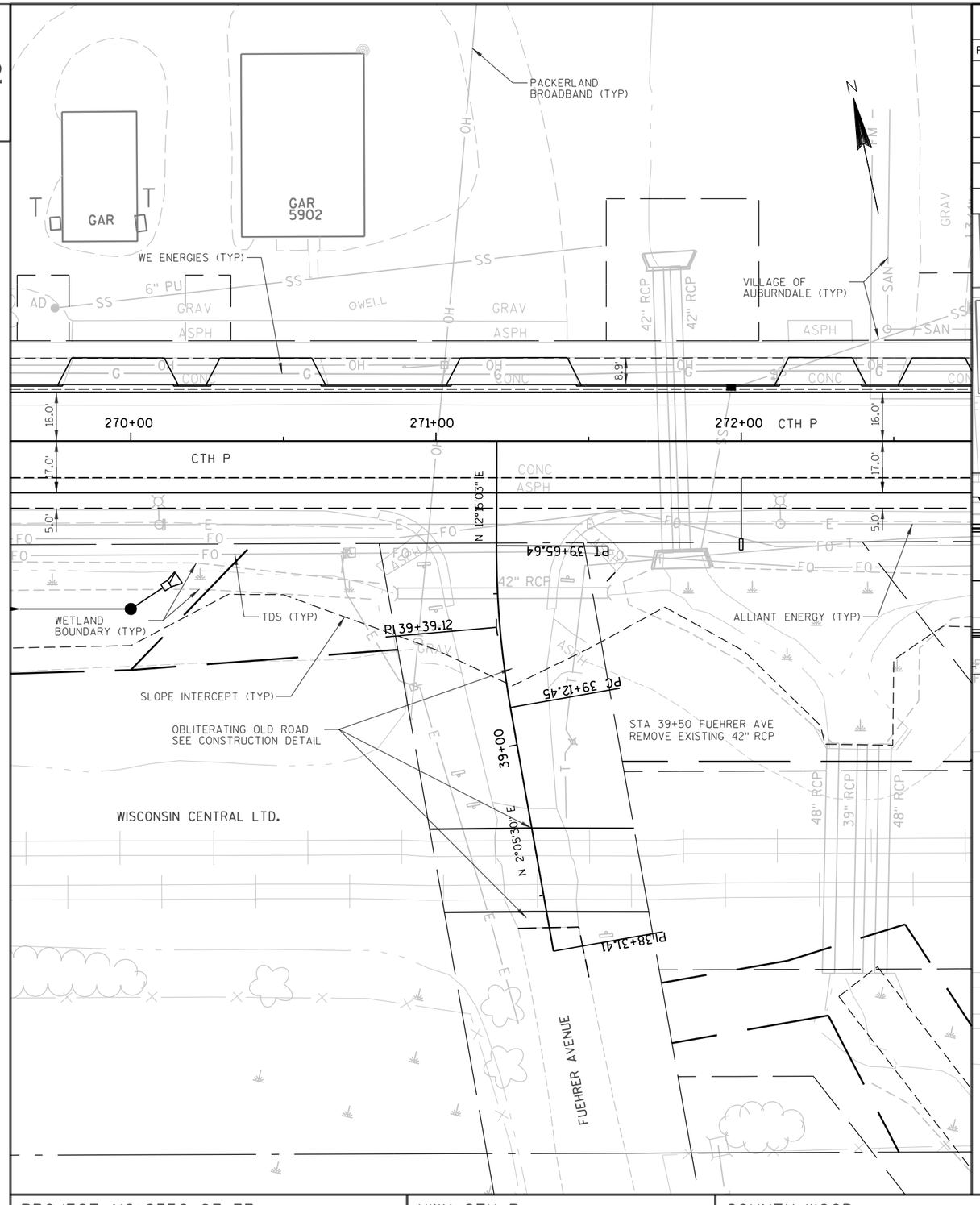
TDS (TYP)

STATUE

RADIUS POINT TABLE				
POINT	STATION	OFFSET	COORDINATES	RADIUS
CC1	20+73.00 E-Z AVENUE 254+61.69 CTH P	65.0' LT 74.0' LT	Y = 539054.415 X = 678502.323	45.0'
CC2	20+74.48 E-Z AVENUE 255+89.52 CTH P	65.0' RT 74.0' LT	Y = 538998.759 X = 678619.816	45.0'

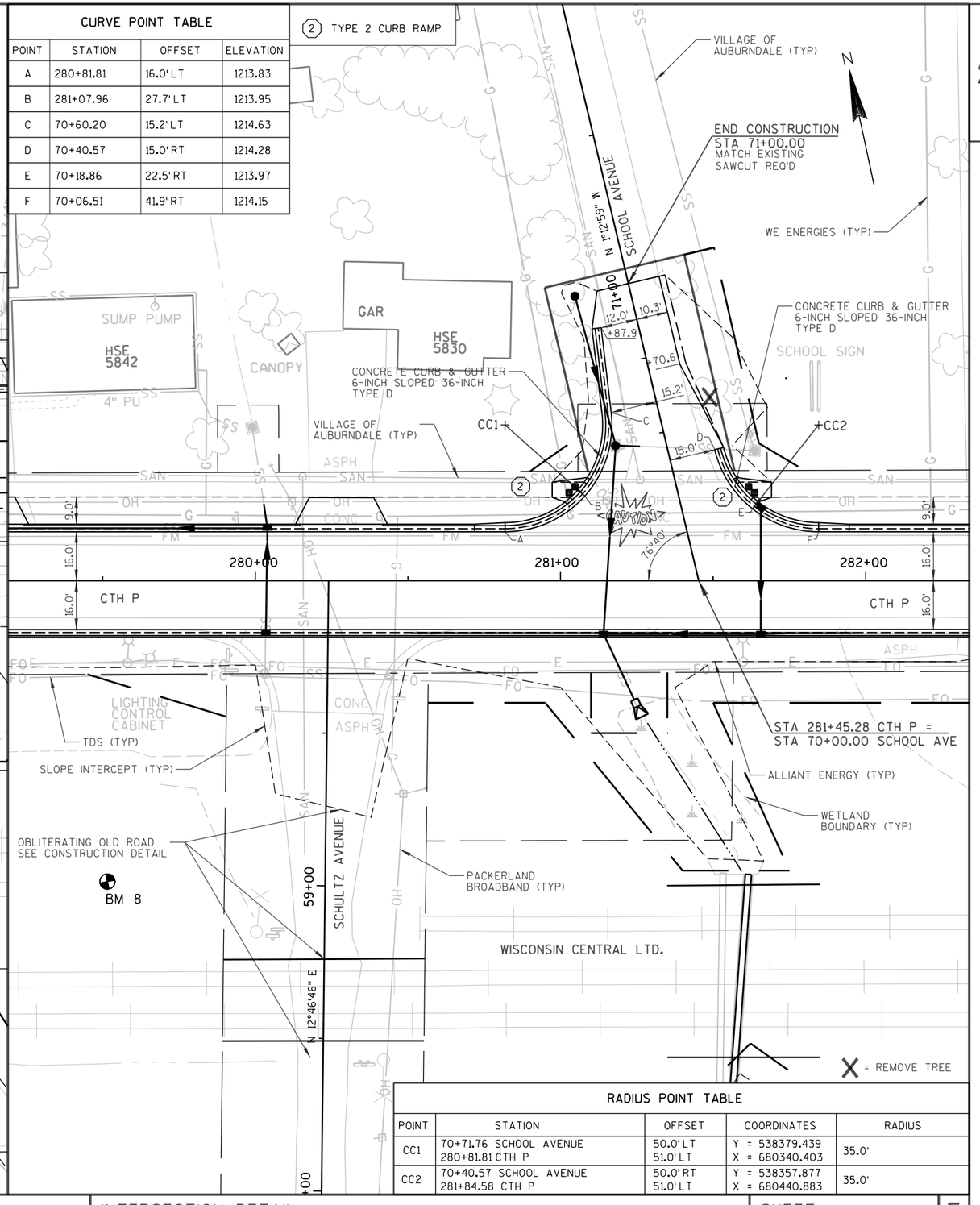
X = REMOVE TREE

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 34	E



CURVE POINT TABLE			
POINT	STATION	OFFSET	ELEVATION
A	280+81.81	16.0' LT	1213.83
B	281+07.96	27.7' LT	1213.95
C	70+60.20	15.2' LT	1214.63
D	70+40.57	15.0' RT	1214.28
E	70+18.86	22.5' RT	1213.97
F	70+06.51	41.9' RT	1214.15

(2) TYPE 2 CURB RAMP



RADIUS POINT TABLE				
POINT	STATION	OFFSET	COORDINATES	RADIUS
CC1	70+71.76 SCHOOL AVENUE 280+81.81 CTH P	50.0' LT 51.0' LT	Y = 538379.439 X = 680340.403	35.0'
CC2	70+40.57 SCHOOL AVENUE 281+84.58 CTH P	50.0' RT 51.0' LT	Y = 538357.877 X = 680440.883	35.0'

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 35	E

CURVE POINT TABLE			
POINT	STATION	OFFSET	ELEVATION
A	287+05.12	16.0' LT	1218.75
B	80+23.28	23.3' LT	1218.60
C	80+40.95	16.0' LT	1218.75
D	80+41.05	16.0' RT	1218.58
E	80+23.36	23.3' RT	1218.41
F	287+87.12	16.0' LT	1218.34
G	290+04.62	16.0' LT	1216.82
H	90+26.08	25.2' LT	1216.42
I	80+50.77	15.0' LT	1217.08
J	80+36.17	15.0' RT	1216.49
K	90+21.99	20.9' RT	1216.14
L	290+89.55	16.0' LT	1216.04

(2) TYPE 2 CURB RAMP

(2S) TYPE 2 CURB RAMP SPECIAL SEE DETAILS

RADIUS POINT TABLE				
POINT	STATION	OFFSET	COORDINATES	RADIUS
CC1	80+40.95 BRICKLE AVE 287+05.12 CTH P	41.0' LT 41.0' LT	Y = 538148.849 X = 681586.310	25.0'
CC2	80+41.05 BRICKLE AVE 287+87.12 CTH P	41.0' LT 41.0' LT	Y = 538131.909 X = 681666.541	25.0'
CC3	90+50.77 GEORGE AVE 290+04.62 CTH P	50.0' LT 51.0' LT	Y = 538096.762 X = 681881.413	35.0'
CC4	90+36.17 GEORGE AVE 290+89.55 CTH P	35.0' RT 36.0' LT	Y = 538064.540 X = 681961.412	20.0'

2

END CONSTRUCTION
STA 50+40.00
MATCH EXISTING
SAWCUT REQ'D

NORTH RD
N 0°12'35" E

CONCRETE CURB
PEDESTRIAN REQ'D

CC1

HSE 5724 — SUMP PUMP — SUMP PUMP — ROOF DRAIN 2" PVC
HSE 5720
HSE 5716
HSE 5714
HSE 5710
HSE 5698
CC2
HSE 5686
GAR
SHED

WE ENERGIES (TYP)
PACKERLAND BROADBAND (TYP)
VILLAGE OF AUBURNDALE (TYP)
CONCRETE SIDEWALK 4-INCH

296+00 297+00 298+00 299+00 300+00 301+00
CTH P

ALLIANT ENERGY
ASPHALT FLUME REQ'D
TDS (TYP)
ELECTRIC CONTROL CABINET
WETLAND BOUNDARY (TYP)
R/W (TYP)

STA 298+40.76 CTH P =
STA 49+66.52 NORTH RD
CONSTRUCT MODIFIED
TYPE B2 INTERSECTION
CC4

CONCRETE MEDIAN SLOPED NOSE TYPE 1 REQ'D

WISCONSIN CENTRAL LTD

PT 48+38.04

STA 49+07
REMOVE EXISTING 30" RCP
1-30"x88' CPRC CLASS III REQ'D
2-30" AECPRC REQ'D
SKEW 11°08' LHF

SLOPE INTERCEPT (TYP)
REVERSE GUTTER PAN

NORTH RD
48+00

JINS

CAUTION

2 TYPE 2 CURB RAMP
2S TYPE 2 CURB RAMP SPECIAL SEE DETAILS

CURVE POINT TABLE

POINT	STATION	OFFSET	ELEVATION
A	297+76.01	16.0' LT	1214.43
B	49+95.86	43.7' LT	1214.61
C	50+03.11	29.1' LT	1214.55
D	50+15.91	19.1' LT	1214.56
E	50+31.80	15.5' LT	1214.65
F	50+20.08	15.5' RT	1214.47
G	50+05.07	18.1' RT	1214.98
H	49+91.78	25.5' RT	1215.41
I	49+81.73	37.0' RT	1215.73
J	298+88.76	20.0' LT	1215.98
K	48+85.38	20.0' LT	1218.06
L	49+13.94	26.1' LT	1215.84
M	49+29.57	40.7' LT	1214.73
N	49+45.77	59.6' LT	1214.29
O	297+64.21	29.0' RT	1213.96

CURVE POINT TABLE (CONTIN'D)

POINT	STATION	OFFSET	ELEVATION
P	48+83.18	15.0' RT	1218.06
Q	49+00.41	23.9' RT	1216.98
R	49+14.28	34.8' RT	1216.10
S	49+22.08	50.7' RT	1215.95
T	299+16.82	29.0' RT	1216.12

RADIUS POINT TABLE

POINT	STATION	OFFSET	COORDINATES	RADIUS
CC1	297+76.11 CTH P 50+31.80 NORTH RD	53.0' LT 52.5' LT	Y = 537939.343 X = 682636.668	37.0'
CC2	298+89.62 CTH P 50+16.00 NORTH RD	61.0' LT 60.5' RT	Y = 537923.123 X = 682749.609	45.0'
CC3	299+16.82 CTH P 48+83.18 NORTH RD	69.0' RT 60.0' RT	Y = 537791.387 X = 682749.988	40.0'
CC4	297+64.21 CTH P 48+85.38 NORTH RD	99.0' RT 95.0' LT	Y = 537794.153 X = 682594.997	70.0'

PROJECT NO: 6350-07-77 | HWY: CTH P | COUNTY: WOOD | INTERSECTION DETAIL | SHEET 37 | E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\021106 id.dgn PLOT TIME : 9:15:04 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CURVE POINT TABLE

POINT	STATION	OFFSET	ELEVATION
A	302+99.67	16.0' LT	1219.99
B	100+06.43	49.9' LT	1220.05
C	100+16.64	36.8' LT	1219.94
D	100+28.40	27.9' LT	1219.85
E	100+45.39	21.7' LT	1219.94
F	100+64.22	20.0' LT	1220.09
G	101+28.65	19.2' LT	1221.34
H	101+93.53	17.6' LT	1222.93
I	101+97.48	17.5' RT	1223.00
J	101+57.55	17.5' RT	1222.09
K	101+17.61	17.5' RT	1221.10
L	100+91.08	22.4' RT	1220.44
M	100+67.60	36.4' RT	1220.03
N	100+52.24	57.5' RT	1220.59
O	304+52.78	22.5' LT	1220.88

RADIUS POINT TABLE

POINT	STATION	OFFSET	COORDINATES	RADIUS
CC1	100+49.48 CONNOR ST 302+99.67 CTH P	81.2' LT 76.0' LT	Y = 537850.828 X = 683153.519	60.0'
CC2	101+17.61 CONNOR ST 304+52.65 CTH P	57.5' RT 62.5' LT	Y = 537805.236 X = 683300.170	40.0'
CC3	305+11.61 CTH P	3.0' RT	Y = 537728.701 X = 683343.885	165.0'
CC4	305+16.47 CTH P	4.4' RT	Y = 537726.268 X = 683348.339	132.5'
CC5	101+30.78 CONNOR ST	33.1' LT	Y = 537890.382 X = 683267.052	15.0'

2 TYPE 2 CURB RAMP

X = REMOVE TREE

WE ENERGIES (TYP)

STA 101+64 LT
CONSTRUCT ASPHALT PE
MATCH EXISTING
SAWCUT REQ'D

MATCH EXISTING SIDEWALK

PI 101+24.56

CC5

CONNOR STREET

N 89°07'44" E

PI 104+37.57

END CONSTRUCTION
STA 102+24.91
MATCH EXISTING
SAWCUT REQ'D

PT 101+97.48

VILLAGE OF AUBURNDALE (TYP)

PACKERLAND BROADBAND (TYP)

REMOVE EXISTING ASPHALTIC SURFACE

CC1

CC2

CONCRETE SIDEWALK 4-INCH

BM 12

PC 100+32.85

N 26°14'33" E

76°00'

S 77°45'26" E

CC3

CC4

+5.8

CTH P

ALLIANT ENERGY (TYP)

WETLAND BOUNDARY (TYP)

TDS (TYP)

SOLARUS (TYP)

SLOPE INTERCEPT (TYP)

STA 303+62.98 CTH P =
STA 100+00.00 CONNOR STREET

HSE

DENTAL CLINIC 5648

GAR

HSE 5640

HSE 5634

DECK

SHED

INL

TANKS

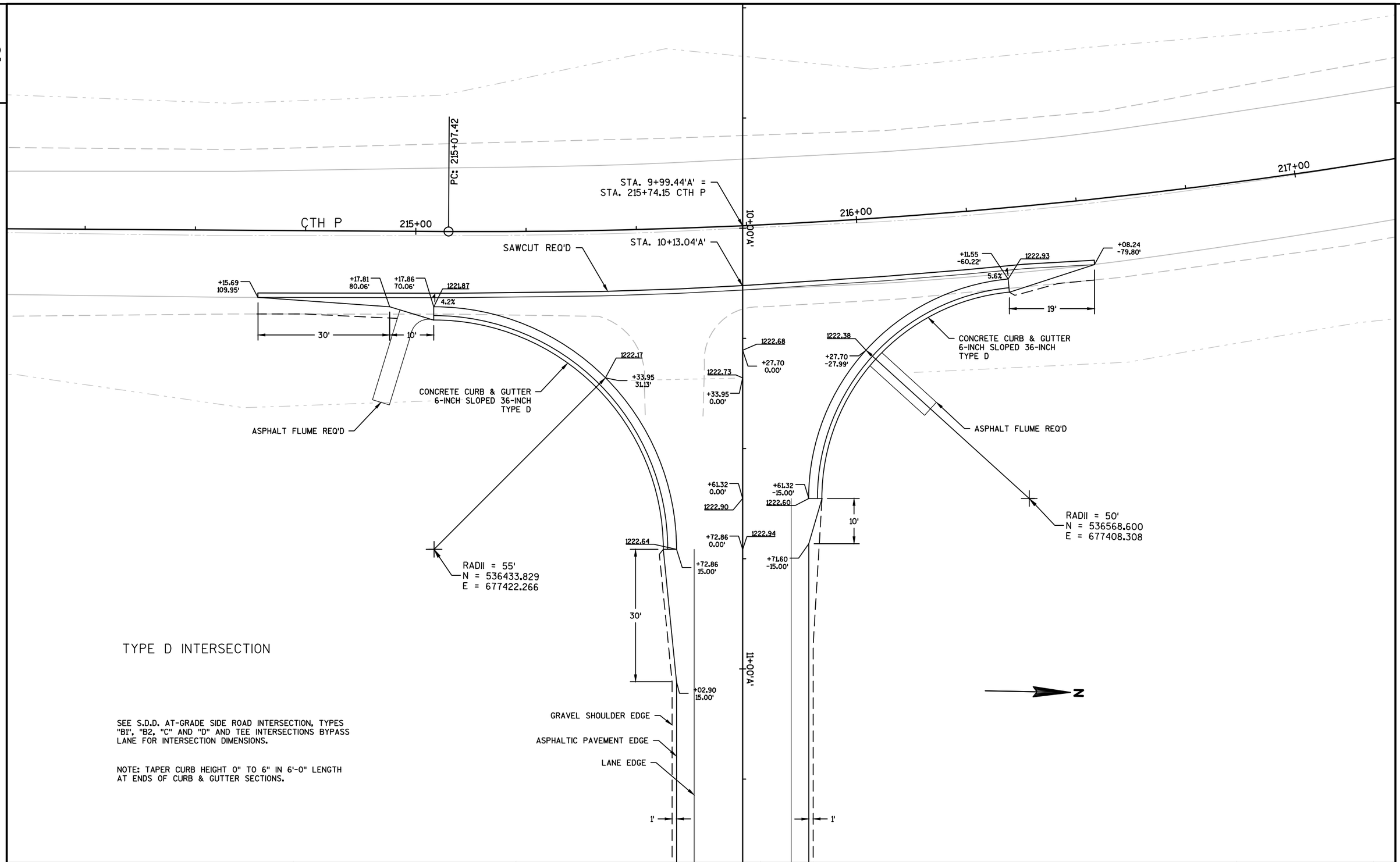
WISCONSIN CENTRAL LTD

WISCONSIN CENTRAL LTD

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 38	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\021107 id.dgn PLOT TIME : 9:15:05 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2



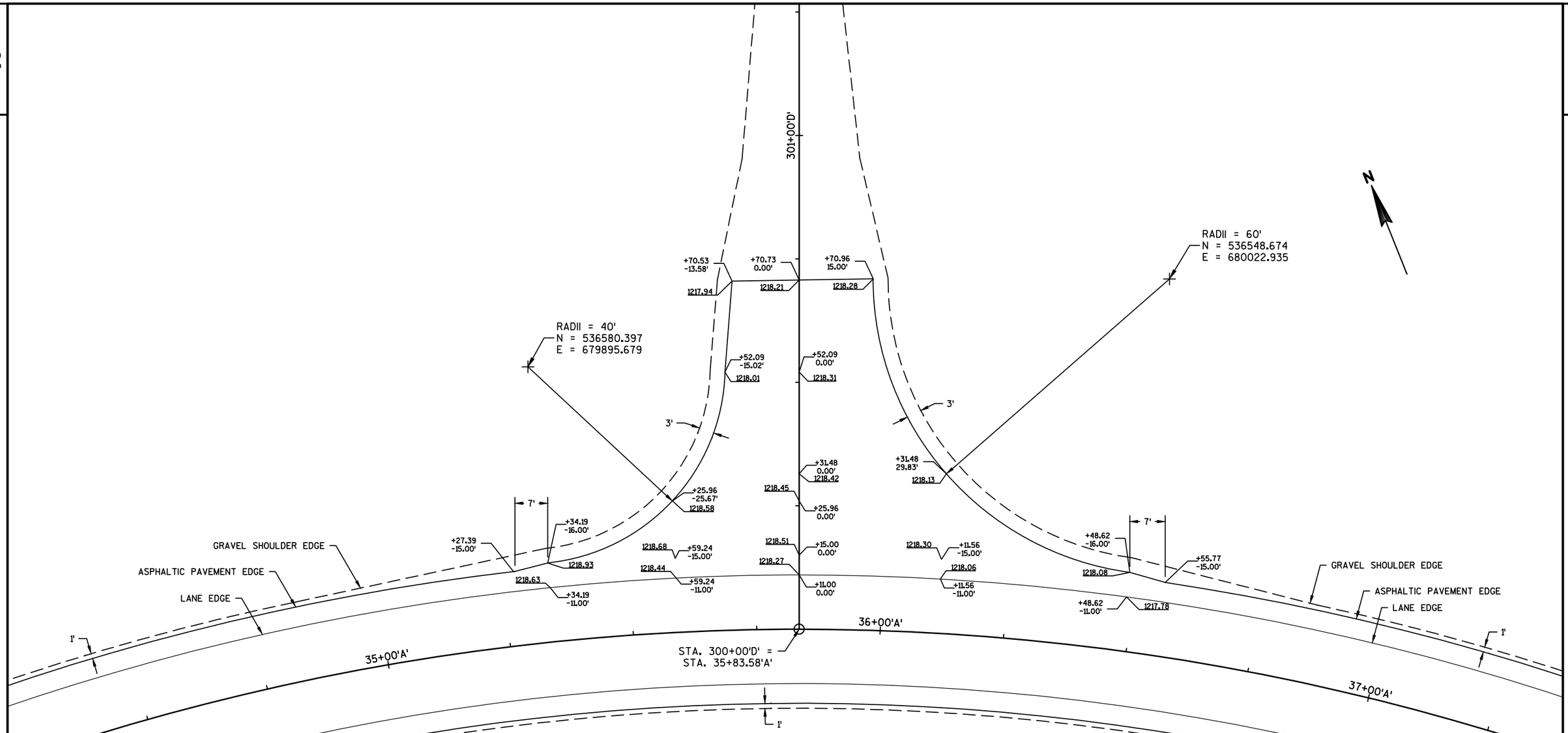
TYPE D INTERSECTION

SEE S.D.D. AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2, "C" AND "D" AND TEE INTERSECTIONS BYPASS LANE FOR INTERSECTION DIMENSIONS.

NOTE: TAPER CURB HEIGHT 0" TO 6" IN 6'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS.

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 39	E

2

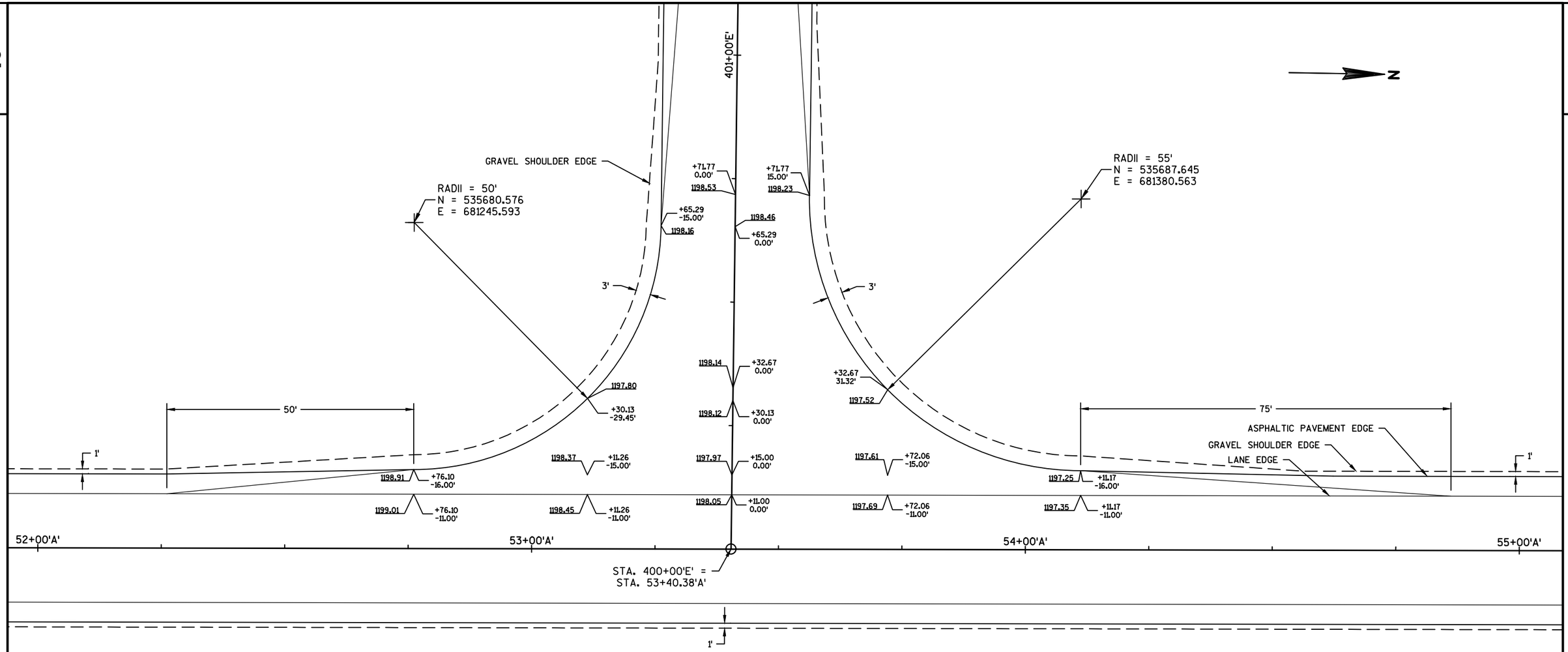


TYPE C INTERSECTION

SEE S.D.D. AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2, "C" AND "D" AND TEE INTERSECTIONS BYPASS LANE FOR INTERSECTION DIMENSIONS.

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 40	E

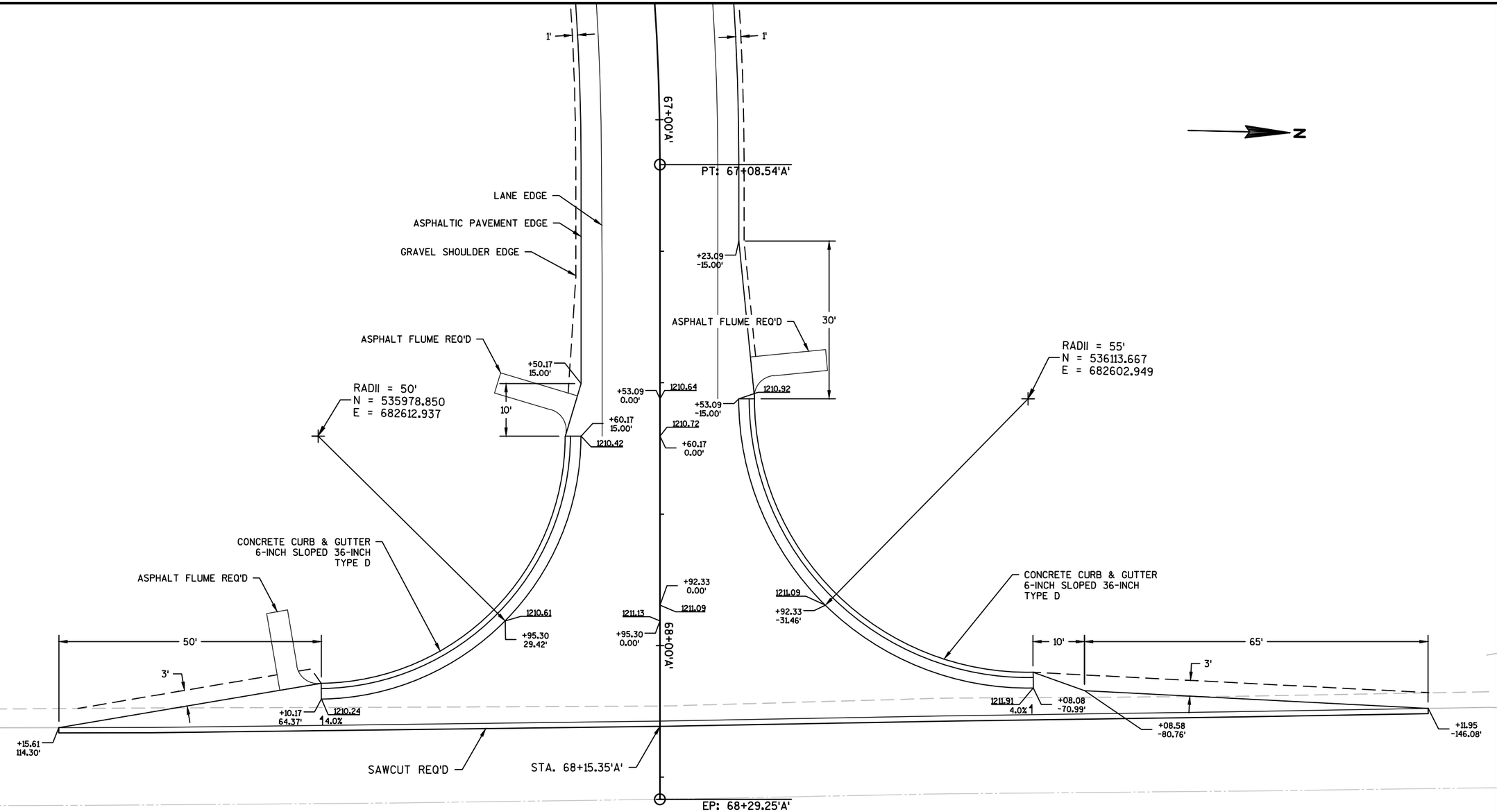
2



TYPE C INTERSECTION

SEE S.D.D. AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2, "C" AND "D" AND TEE INTERSECTIONS BYPASS LANE FOR INTERSECTION DIMENSIONS.

2



SEE S.D.D. AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2, "C" AND "D" AND TEE INTERSECTIONS BYPASS LANE FOR INTERSECTION DIMENSIONS.

NOTE: TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS.

TYPE D INTERSECTION

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 42	E

2

N

1'

STA. 100+00'B' =
STA. 412+74.63'E'

412+00'E'

413+00'E'

414+00'E'

+98.63
11.00'
1207.12

+98.63
15.00'
1207.04

+41.21
11.00'
1207.34

+41.21
15.00'
1207.26

+11.00
0.00'
1207.50

+15.00
0.00'
1207.42

+02.20
11.00'
1207.64

+02.20
15.00'
1207.56

+30.63
11.11'
1207.78

+30.63
15.00'
1207.70

LANE EDGE

ASPHALTIC PAVEMENT EDGE

GRAVEL SHOULDER EDGE

1'

+32.72
33.42'

1207.15

+26.86
0.00'
1207.55

1207.61

+32.72
0.00'
1207.69

+26.86
-27.56'
1207.27

1'

ASPHALTIC PAVEMENT EDGE

GRAVEL SHOULDER EDGE

+40.00
27.10'
1207.28

+40.00
0.00'

+40.00
-18.47'
1207.43

RADII = 62'
N = 536811.895
E = 681422.627

RADII = 42'
N = 536945.270
E = 681402.152

101+00B'

MODIFIED TYPE C INTERSECTION

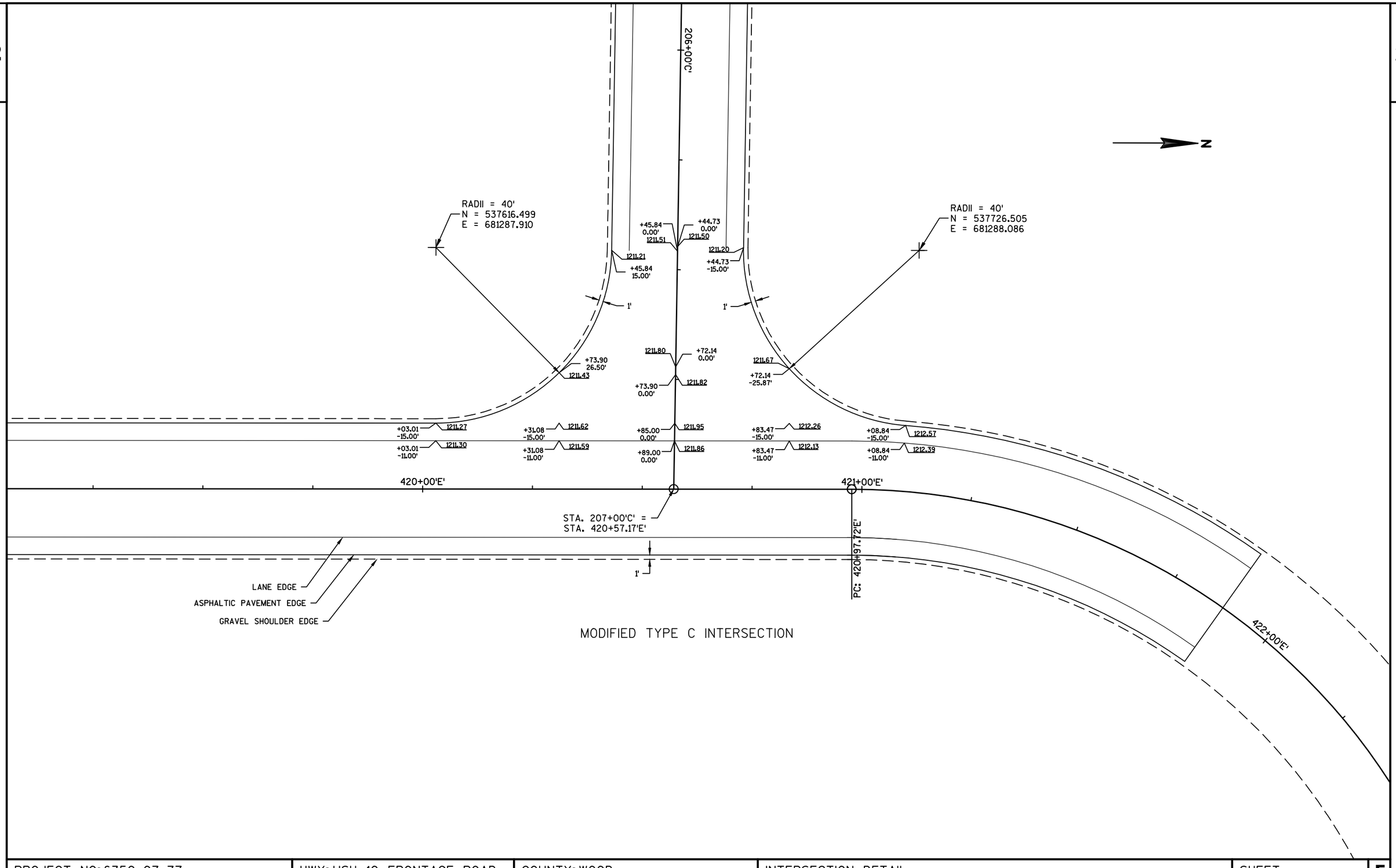
PROJECT NO:6350-07-77	HWY:USH 10 FRONTAGE ROAD	COUNTY:WOOD	INTERSECTION DETAIL	SHEET 43	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\021101-ID.DWG
LAYOUT NAME - 021105_ID

PLOT DATE : 10/21/2015 2:31 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

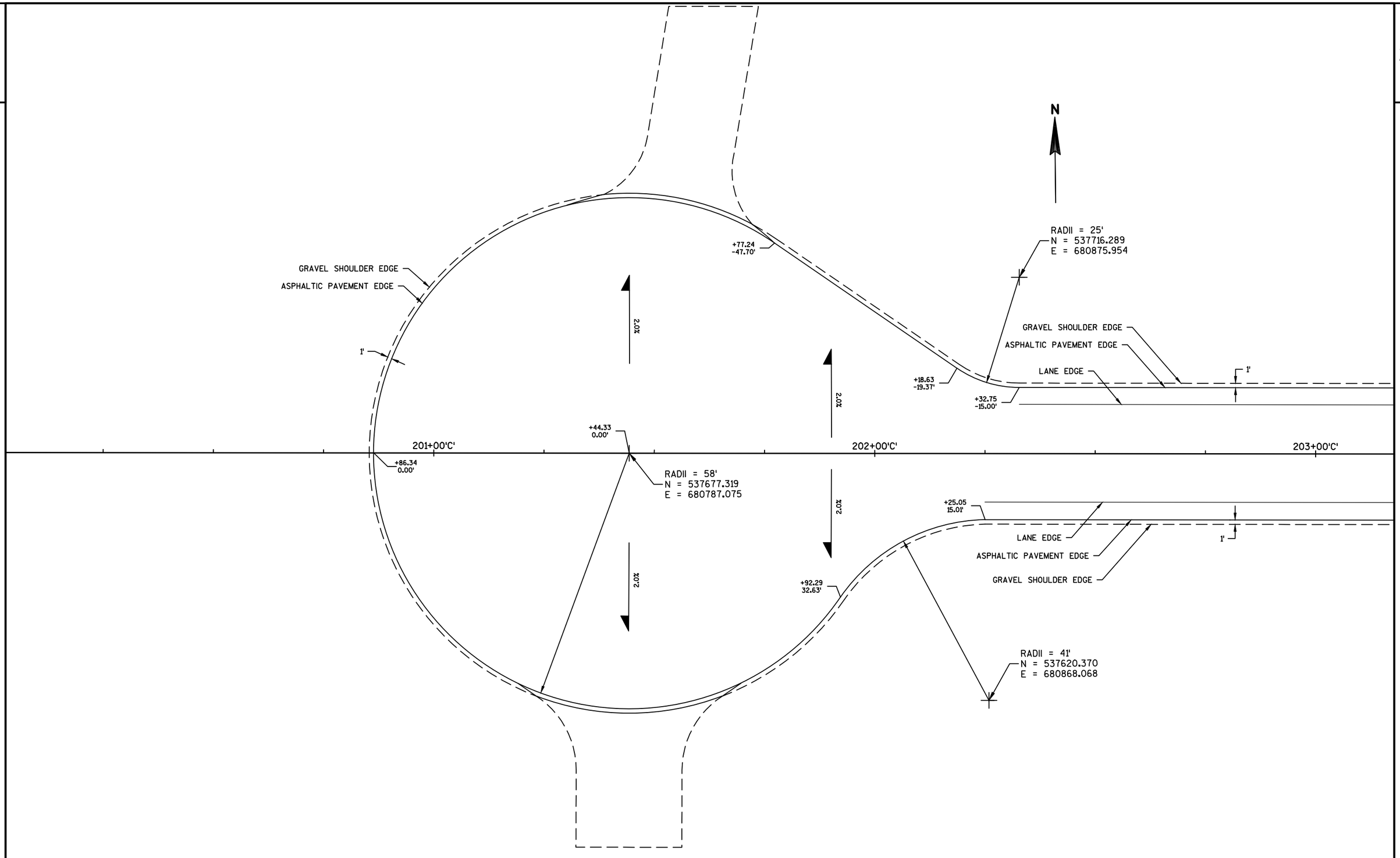
2



MODIFIED TYPE C INTERSECTION

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	INTERSECTION DETAIL	SHEET 44	E

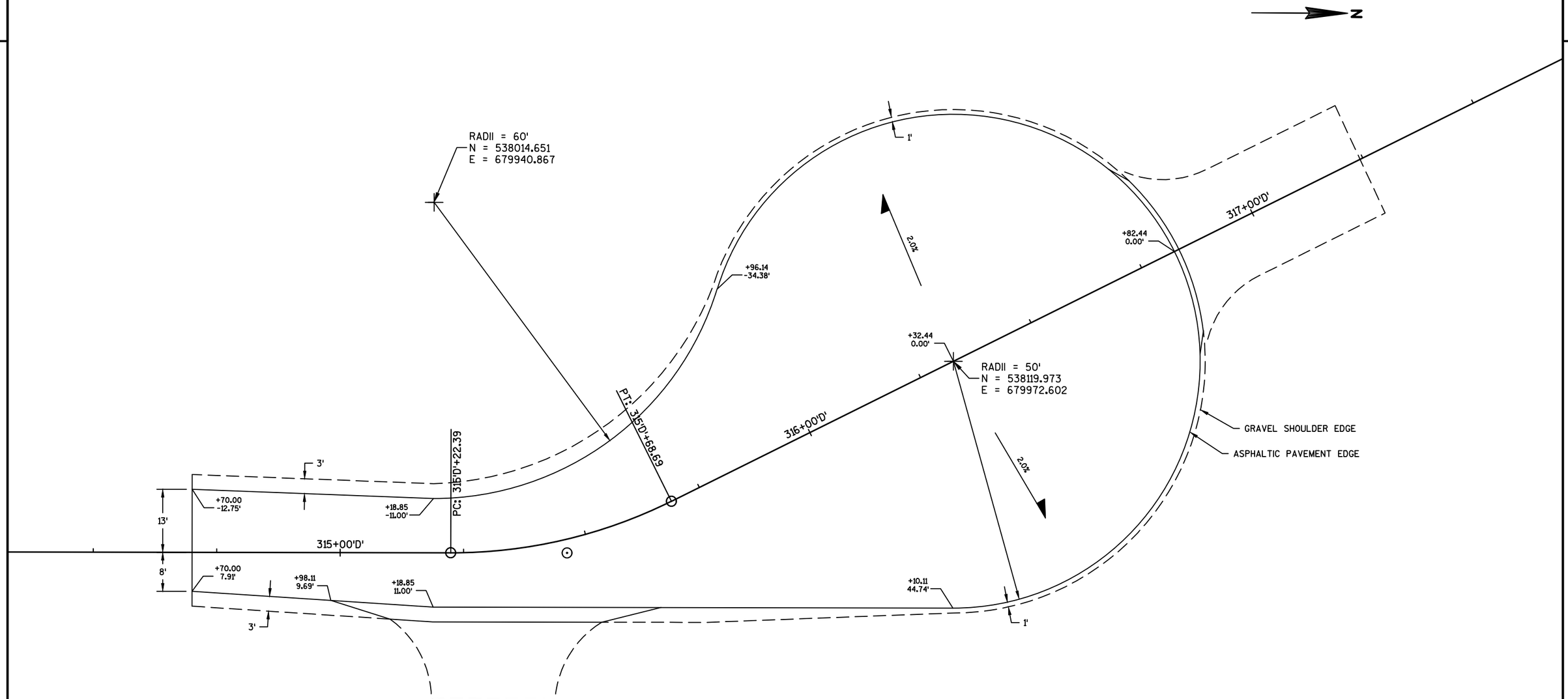
2



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CUL-DE-SAC DETAIL	SHEET 45	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\021101-ID.DWG
LAYOUT NAME - 021107_ID
PLOT DATE : 10/13/2015 2:29 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CUL-DE-SAC DETAIL	SHEET 46	E

2

2

N

SLOPE INTERCEPT (TYP)

DITCH TO DRAIN

220+00

221+00

222+00

223+00

224+00

225+00

226+00

227+00

CTH P

18" CMP

2.0'

10.0'

12.0'

MATCHLINE STA 227+50

DITCH TO DRAIN

LEGEND

- DRAINAGE ARROW
- SILT FENCE
- SILT FENCE RELIEF
- EROSION MAT, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, URBAN, CLASS I, TYPE A
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- PERMITTED WETLAND IMPACT AREA
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

N

8.0'

PERMITTED WETLAND IMPACT AREA 1 TYPE M 0.33 AC

234+00"A"

231+00

232+00

233+00

234+00

230+00

229+00

228+00

227+00

MATCHLINE STA 227+50

CTH P

MATCHLINE STA 235+00

SLOPE INTERCEPT (TYP)

PERMITTED WETLAND IMPACT AREA 2 TYPE M 0.04 AC

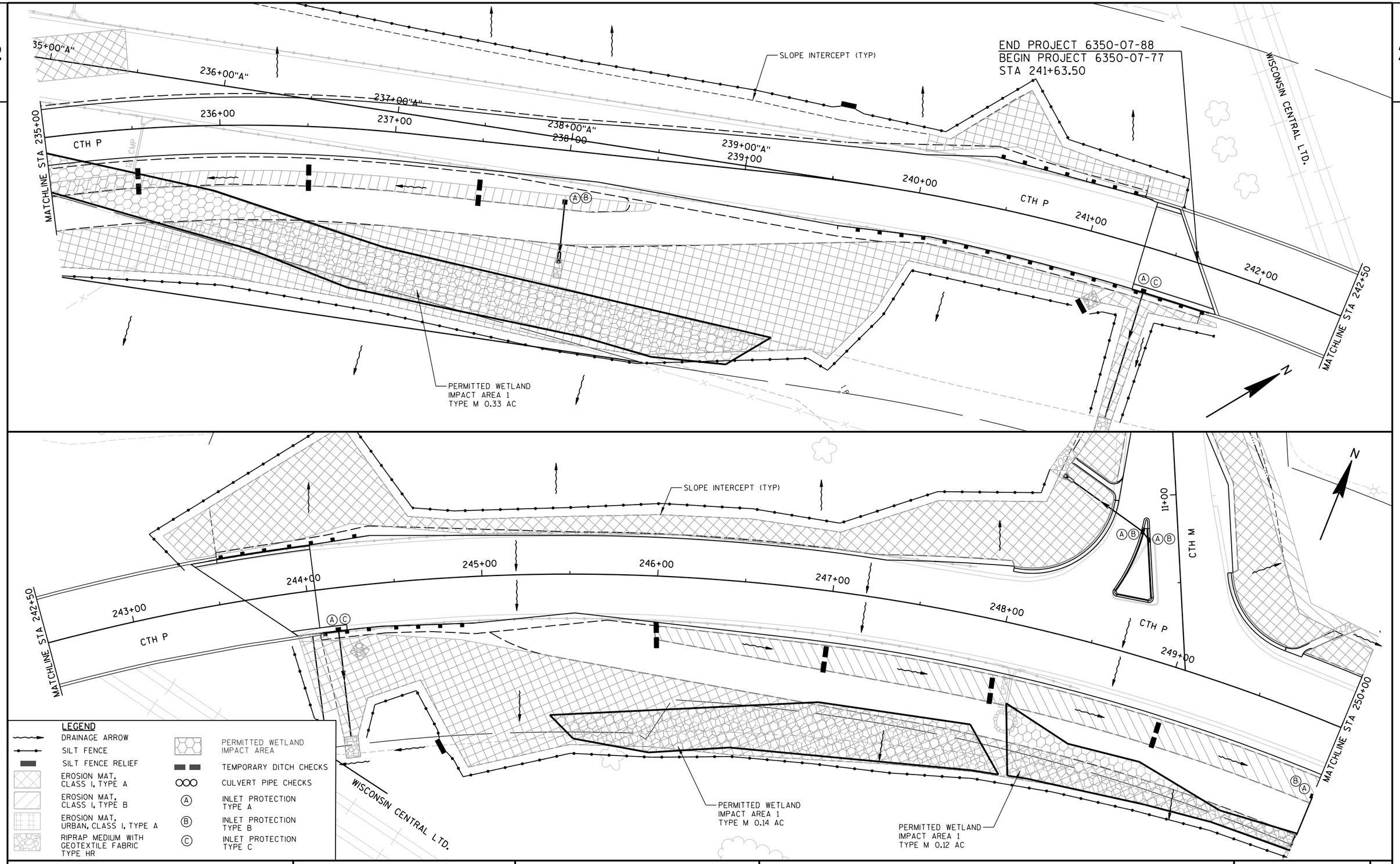
MARSHFIELD ST

24" CMP

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET 47	E

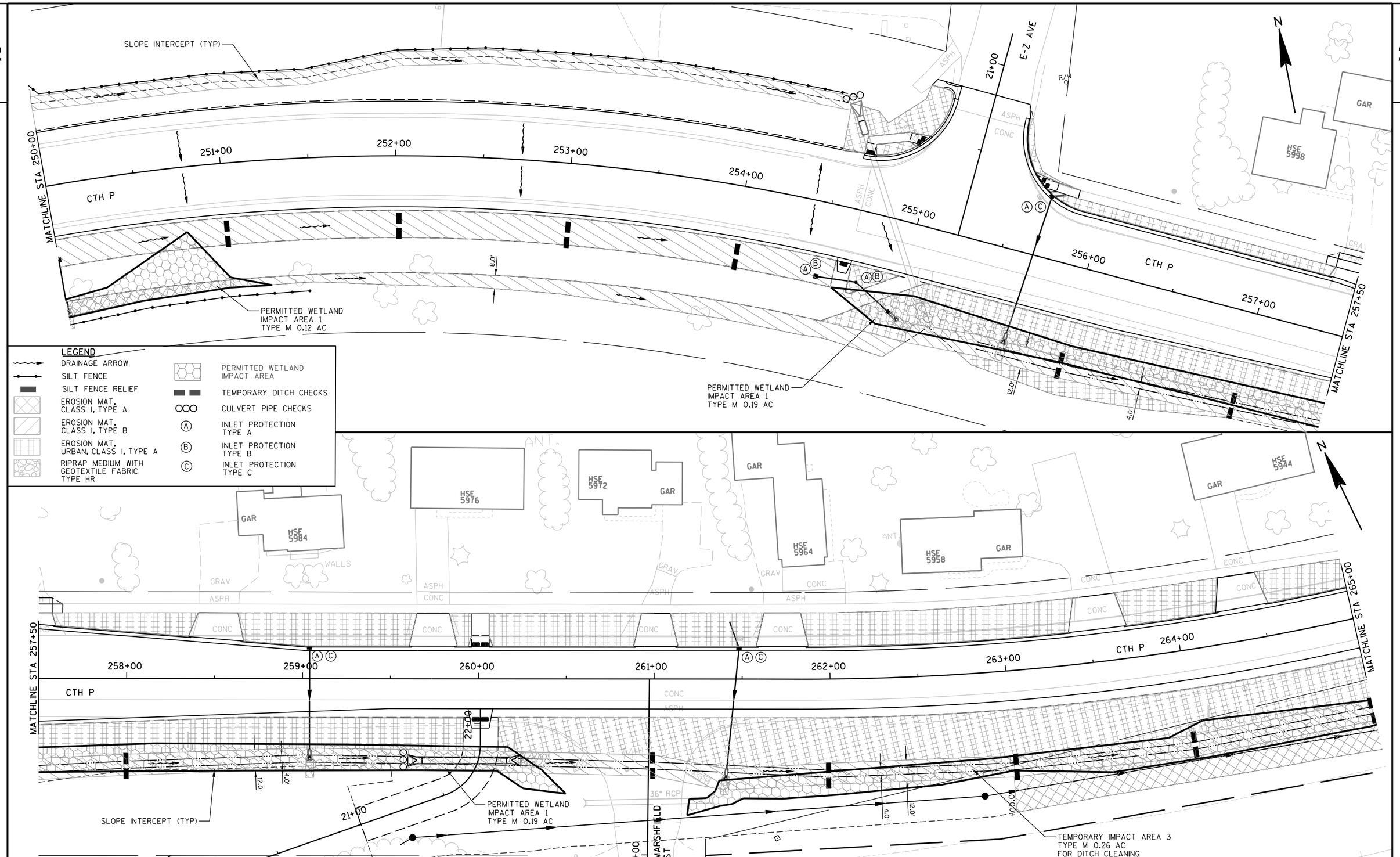
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2



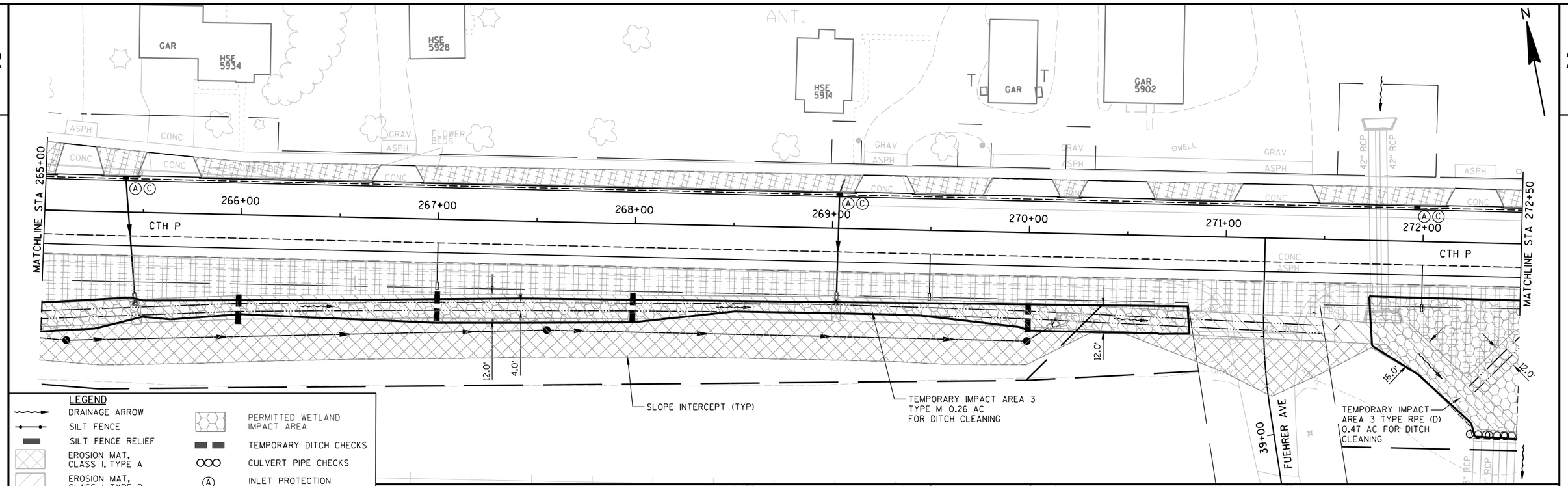
PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET 48	E

2



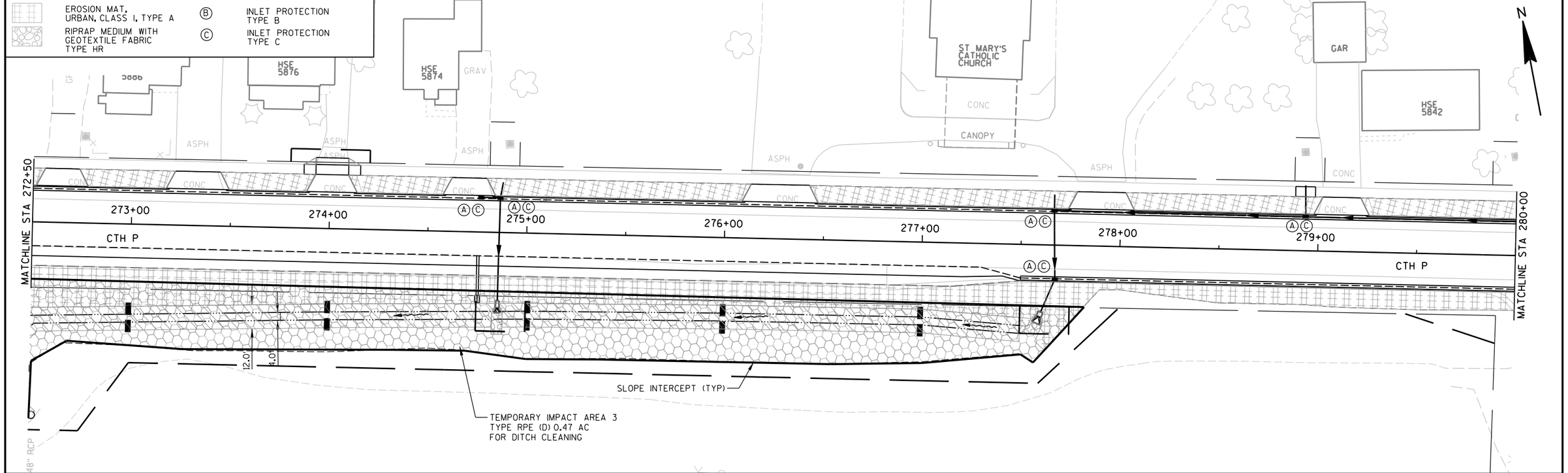
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET 49	E

2



LEGEND

- DRAINAGE ARROW
- SILT FENCE
- SILT FENCE RELIEF
- EROSION MAT, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, URBAN, CLASS I, TYPE A
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- PERMITTED WETLAND IMPACT AREA
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET 50	E

2

2

N

MATCHLINE STA 280+00

MATCHLINE STA 287+00

CTH P

281+00

282+00

283+00

284+00

285+00

286+00

SCHOOL AVE

71+00

GAR

HSE 5830

CANOPY

GAR

HSE 5808

GAR

HSE 5800

HARDWARE STORE 5798

APARTMENTS 201-206

ASPH

CONC

GRAV

GRASS

STEPS

SLOPE INTERCEPT (TYP)

TEMPORARY IMPACT AREA 3
TYPE M 0.04 AC
FOR DITCH CLEANING

59+00

SCHULTZ AVE

81+00

BRICKLE AVE

91+00

GEORGE AVE

SIDE TRACKED 5778

T-NET 5772 101

CUTLERS ANITQUES

PIONEER BANK

HSE 5736

FLAG

PROP

MATCHLINE STA 287+00

MATCHLINE STA 294+50

CTH P

288+00

289+00

290+00

291+00

292+00

293+00

294+00

90+00

89+00

SLOPE INTERCEPT (TYP)

TEMPORARY IMPACT AREA 3
TYPE M 0.08 AC
FOR DITCH CLEANING

12.0

4.0

MONITORING WELL

LEGEND

- DRAINAGE ARROW
- SILT FENCE
- SILT FENCE RELIEF
- EROSION MAT, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, URBAN, CLASS I, TYPE A
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- PERMITTED WETLAND IMPACT AREA
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\022005 ec.dgn PLOT TIME : 1:50:56 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

MATCHLINE STA 294+50

295+00 296+00 297+00 298+00 299+00 300+00 301+00

CTH P

MATCHLINE STA 302+00

NORTH RD

50+00

49+00

+50.0

12.0'

4.0'

SLOPE INTERCEPT (TYP)

TEMPORARY IMPACT AREA 3
TYPE M 0.14 AC
FOR DITCH CLEANING

TEMPORARY IMPACT AREA 3
TYPE M 0.03 AC
FOR DITCH CLEANING

GAR HSE 5724 HSE 5720 HSE 5716 HSE 5714 HSE 5710 HSE 5698 HSE 5686 SHED TANKS

GRAV ASPH CONC

48" RCP 36" CMP 24" RCP 30" RCP

MONITOR WELL

N

LEGEND

- DRAINAGE ARROW
- SILT FENCE
- SILT FENCE RELIEF
- EROSION MAT, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, URBAN, CLASS I, TYPE A
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- PERMITTED WETLAND IMPACT AREA
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

102+00 103+00 101+00

CONNOR STREET

END CONSTRUCTION
STA 102+24.91

SLOPE INTERCEPT (TYP)

DENTAL CLINIC 5648 HSE 5640 HSE 5634 HSE 5617 DECK

END PROJECT
STA 309+50.42

MATCHLINE STA 302+00

303+00 304+00 305+00 306+00 307+00 308+00 309+00

CTH P

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\022006 ec.dgn PLOT TIME : 9:16:09 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

2

N

SLOPE INTERCEPT (TYP)

WET DITCH IMPACT AREA

SIGN

10.0'

221+00"A" 107+00

222+00"A" 108+00

223+00"A" 109+00

224+00"A" 110+00

225+00"A" 111+00

226+00"A"

227+00"A"

228+00"A"

112+00

113+00

114+00

MARSHFIELD STREET

MATCHLINE STA 114+50

SIGN

18" CMP

12" PINES

16.0'

BEGIN CONSTRUCTION
STA 107+25

8"

4"

WELL

HSE
6223 MAIN ST

LEGEND

- DRAINAGE ARROW
- SILT FENCE
- SILT FENCE RELIEF
- EROSION MAT, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, URBAN, CLASS I, TYPE A
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- PERMITTED WETLAND IMPACT AREA
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

24" CMP

STH 186

WET DITCH IMPACT AREA

SLOPE INTERCEPT (TYP)

10.0'

MATCHLINE STA 114+50

115+00

116+00

117+00

118+00

119+00

MARSHFIELD STREET

16.0'

SAN

24" CMP

WET DITCH IMPACT AREA

231+00

CTH P

230+00

229+00

CTH P

APT #6126

GAR

APT #6124

N

PERMITTED WETLAND IMPACT AREA

(A)(B)

(A)(C)

120+00

12" PINE

15" CMP

121+00

SAN

MARSHFIELD STREET

MATCHLINE STA 121+50

18" CMP

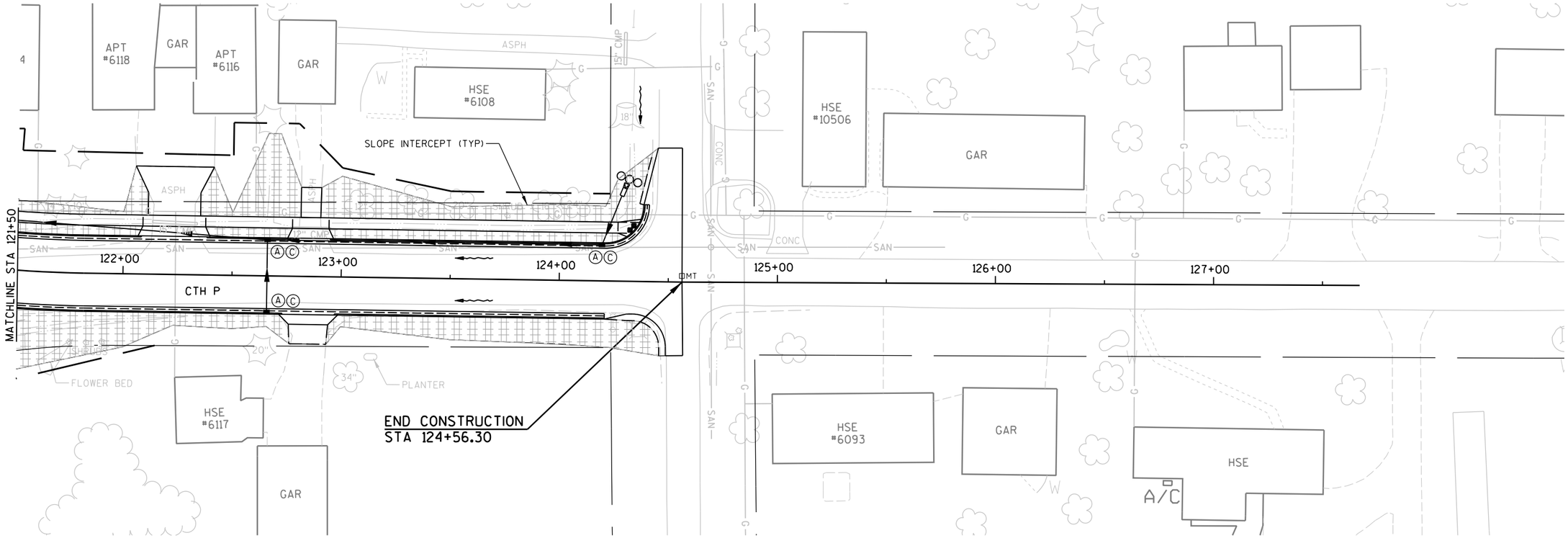
WET DITCH IMPACT AREA

PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\022007 ec.dgn PLOT TIME : 9:16:11 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

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N

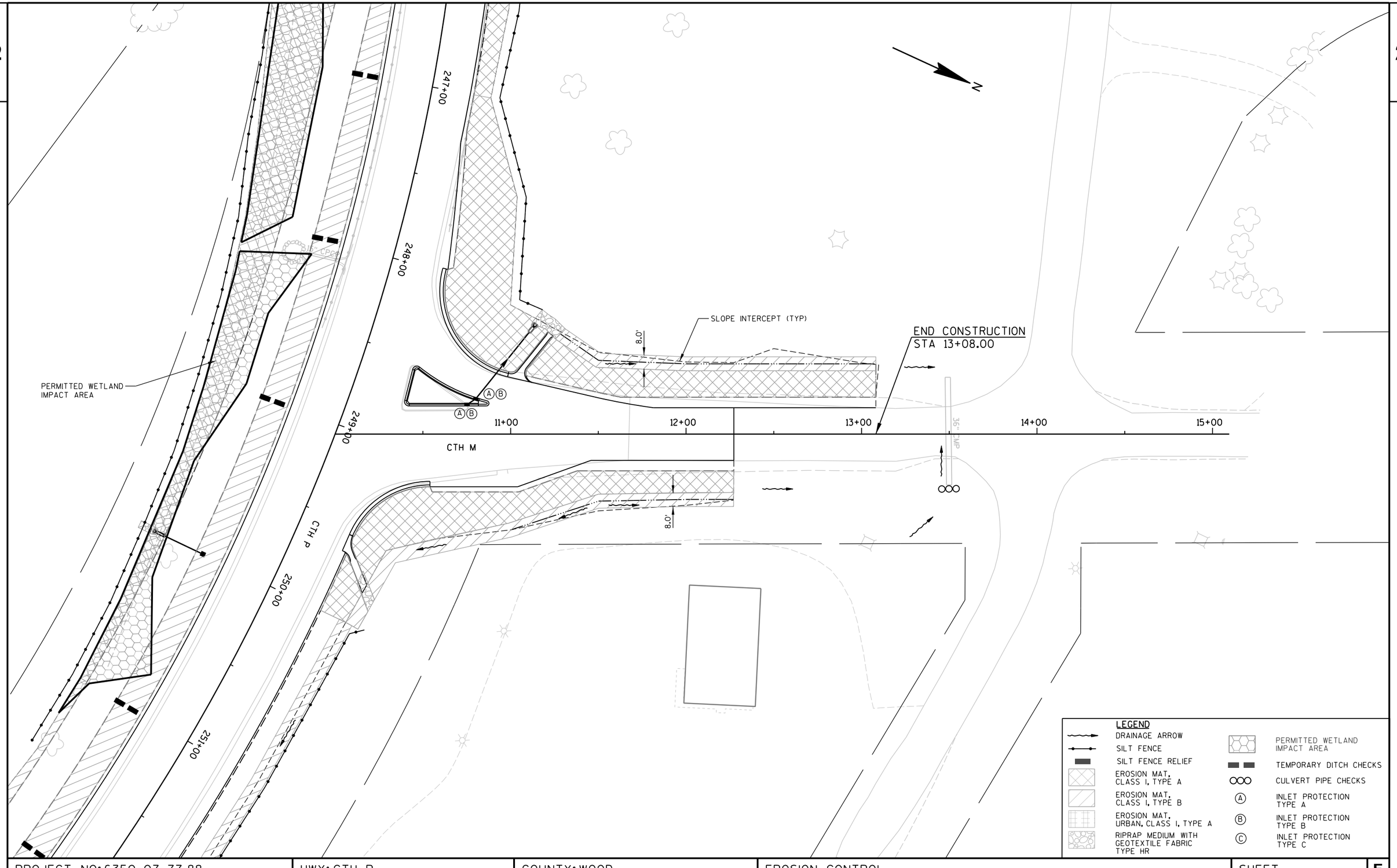


LEGEND

- DRAINAGE ARROW
- SILT FENCE
- SILT FENCE RELIEF
- EROSION MAT, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, URBAN, CLASS I, TYPE A
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- PERMITTED WETLAND IMPACT AREA
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET 54	E

2



PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET 55	E

2

N

RUINS

PERMITTED WETLAND IMPACT AREA FOR DITCH CLEANING

BEGIN CONSTRUCTION
STA 45+75.00

END CONSTRUCTION
STA 50+40.00

8.0'

75.0'

45+00 46+00 47+00 48+00 49+00 50+00 51+00

NORTH RD

NORTH RD

8.0'

SLOPE INTERCEPT (TYP)

CTH P

297+00 298+00 299+00 300+00 301+

HSE 5720 HSE 5718 HSE 5714 HSE 5710 HSE 5698 HSE 5686

GAR SHED

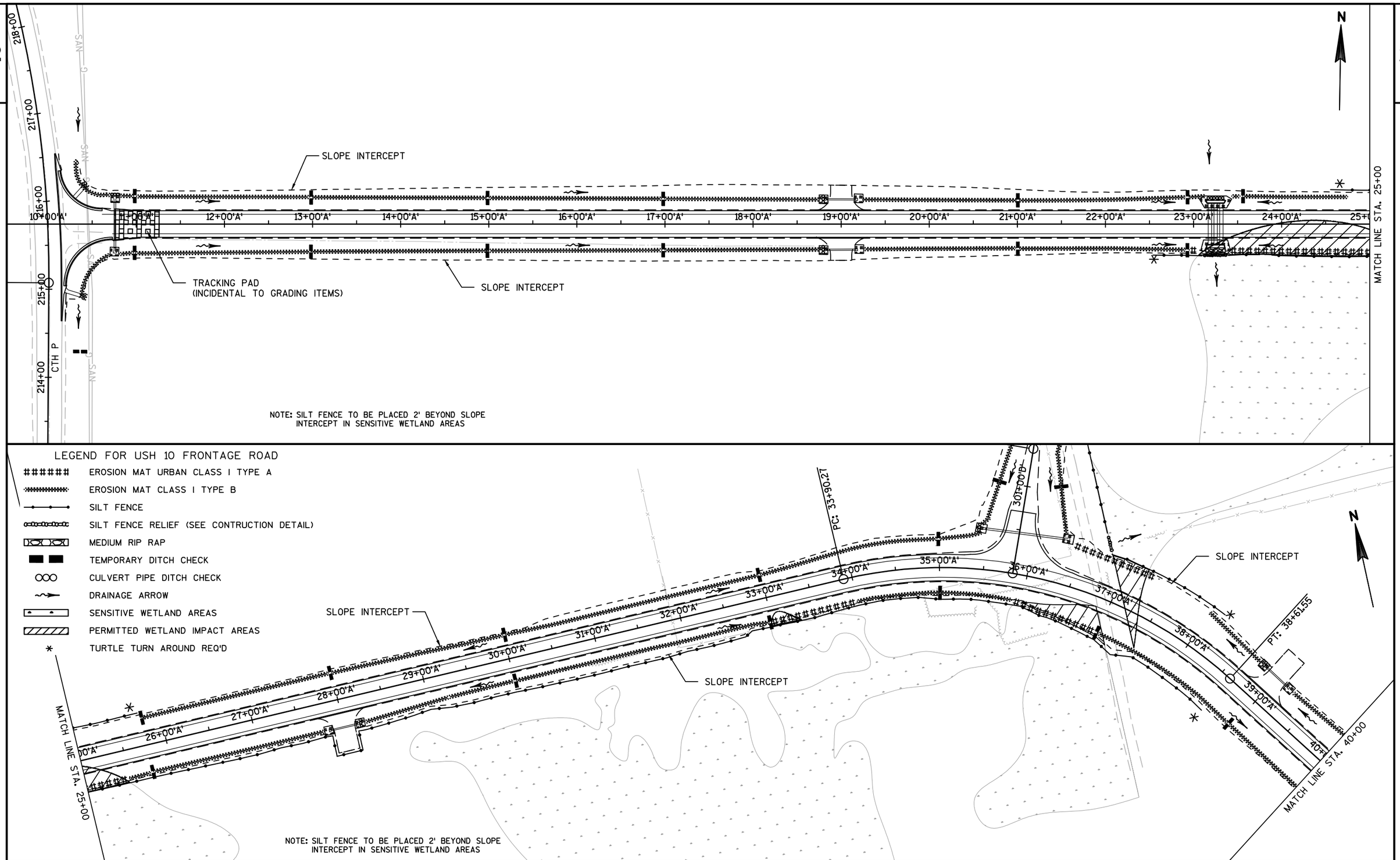
GRAV CONC ASPH SAN SS WM EMT HM

LEGEND

- DRAINAGE ARROW
- SILT FENCE
- SILT FENCE RELIEF
- EROSION MAT, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, URBAN, CLASS I, TYPE A
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- PERMITTED WETLAND IMPACT AREA
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	EROSION CONTROL	SHEET	E

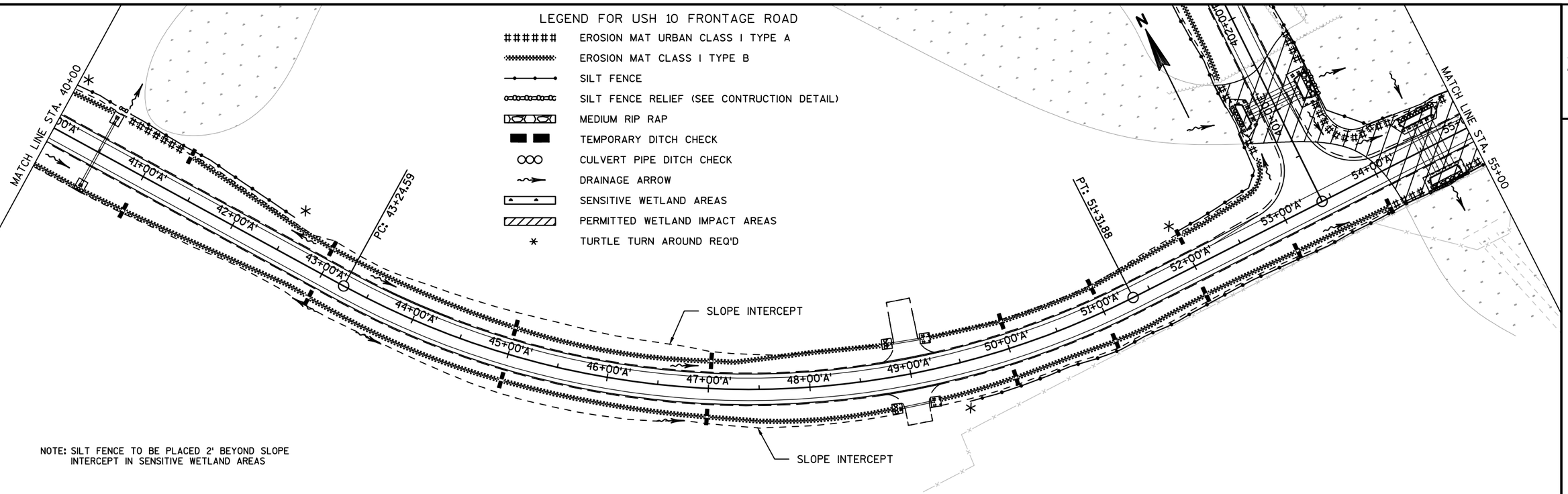
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WISDOT/CADDS SHEET 42



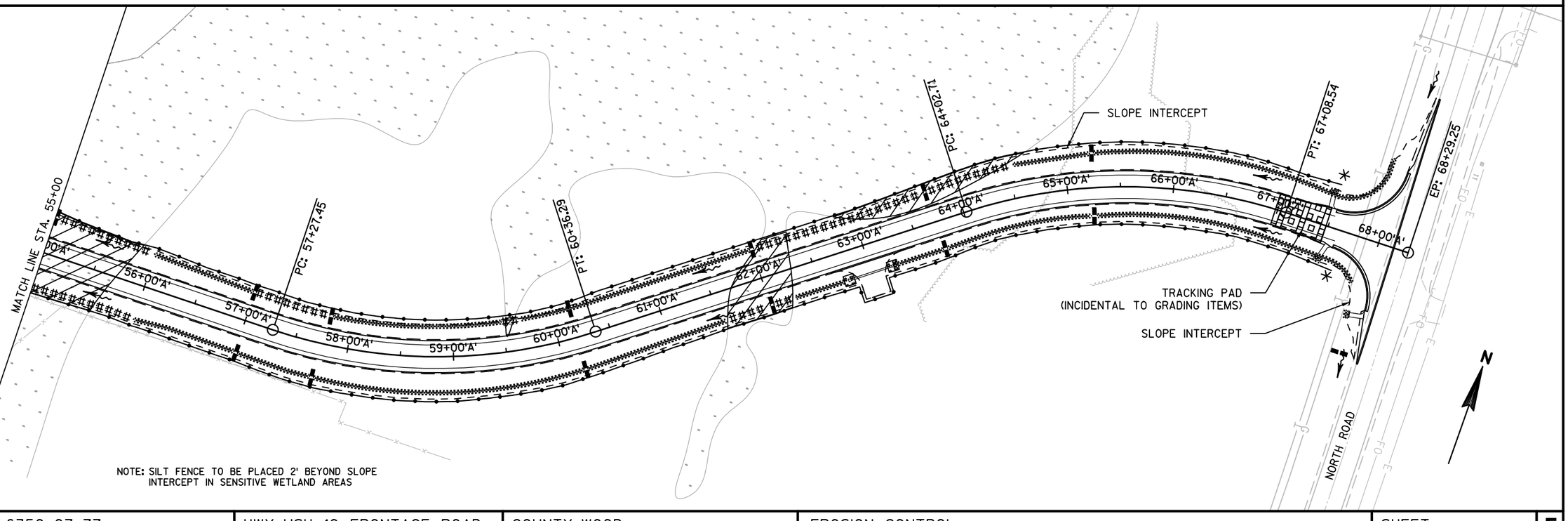
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	EROSION CONTROL	SHEET 57	E

LEGEND FOR USH 10 FRONTAGE ROAD

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF (SEE CONTRUCTION DETAIL)
- MEDIUM RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- DRAINAGE ARROW
- SENSITIVE WETLAND AREAS
- PERMITTED WETLAND IMPACT AREAS
- TURTLE TURN AROUND REQ'D



NOTE: SILT FENCE TO BE PLACED 2' BEYOND SLOPE INTERCEPT IN SENSITIVE WETLAND AREAS



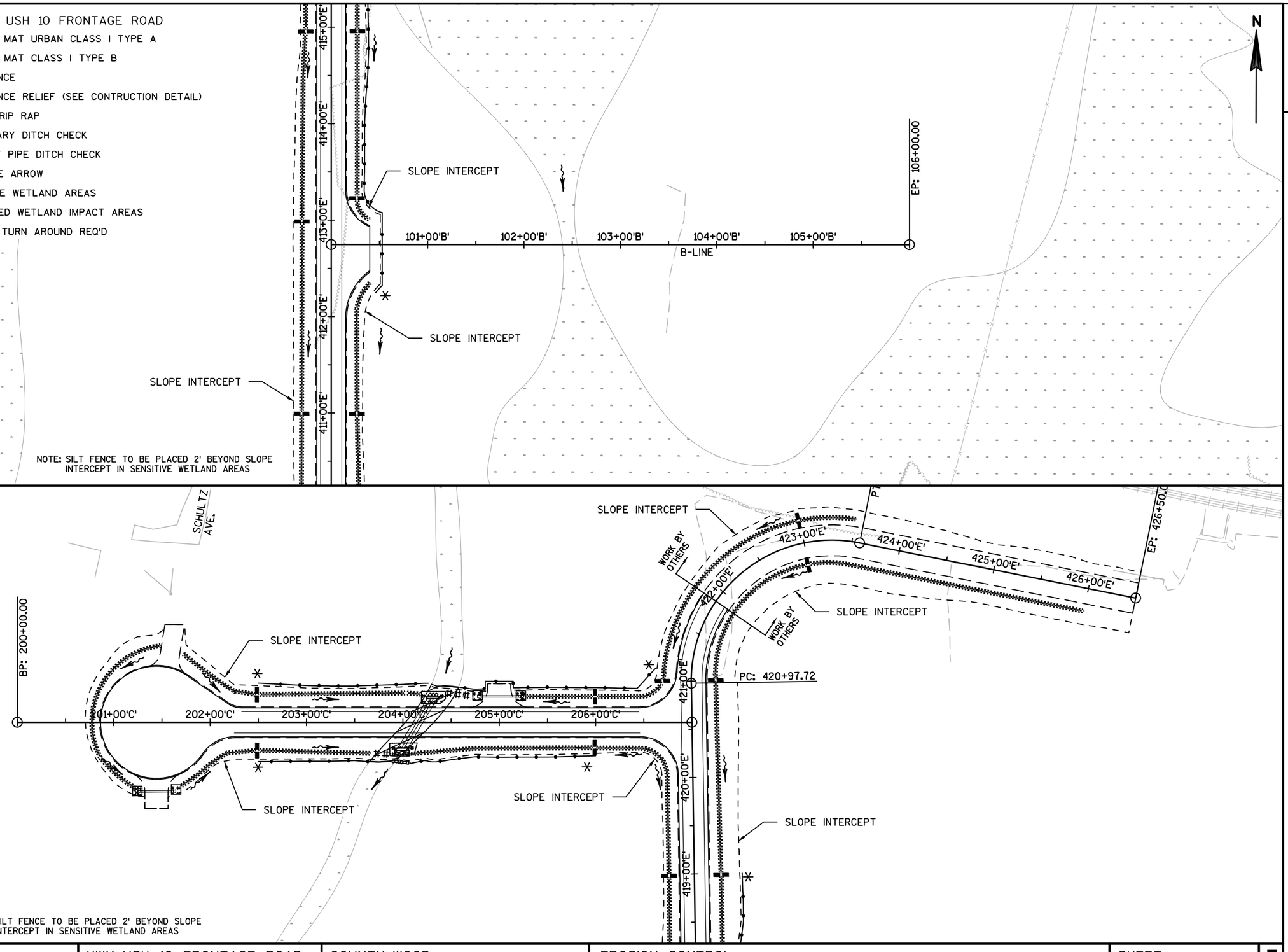
NOTE: SILT FENCE TO BE PLACED 2' BEYOND SLOPE INTERCEPT IN SENSITIVE WETLAND AREAS

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	EROSION CONTROL	SHEET 58	E

2

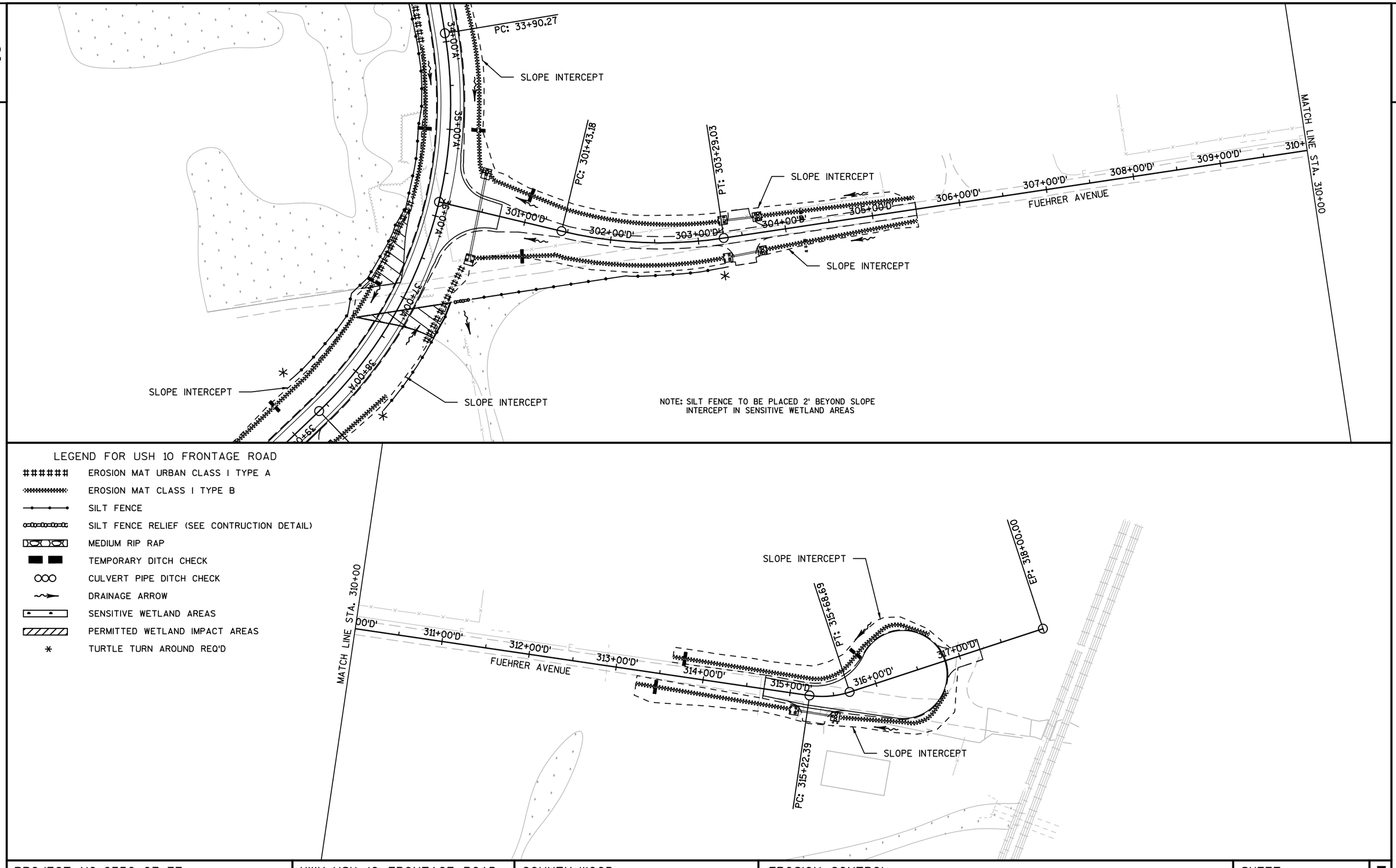
LEGEND FOR USH 10 FRONTAGE ROAD

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF (SEE CONTRUCTION DETAIL)
- MEDIUM RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- DRAINAGE ARROW
- SENSITIVE WETLAND AREAS
- PERMITTED WETLAND IMPACT AREAS
- TURTLE TURN AROUND REQ'D



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	EROSION CONTROL	SHEET 59	E

2



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	EROSION CONTROL	SHEET 60	E

2

PT: 51+31.88

SLOPE INTERCEPT

52+00'A'

53+00'A'

54+00'A'

55+00'A'

401+00'E'

402+00'E'

403+00'E'

404+00'E'

405+00'E'

406+00'E'

407+00'E'

408+00'E'

409+00'E'

410+00'E'

411+00'E'

412+00'E'

413+00'E'

414+00'E'

415+

PC: 405+06.36

PT: 406+24.32

PC: 408+57.60

PT: 409+74.92

SLOPE INTERCEPT

SLOPE INTERCEPT

SLOPE INTERCEPT

SLOPE INTERCEPT

MATCH LINE STA. 415+00

101+00'B'

102+00'B'

NOTE: SILT FENCE TO BE PLACED 2' BEYOND SLOPE INTERCEPT IN SENSITIVE WETLAND AREAS

N

LEGEND FOR USH 10 FRONTAGE ROAD

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF (SEE CONTRUCTION DETAIL)
- MEDIUM RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- DRAINAGE ARROW
- SENSITIVE WETLAND AREAS
- PERMITTED WETLAND IMPACT AREAS
- TURTLE TURN AROUND REQ'D

206+00'C'

SLOPE INTERCEPT

SLOPE INTERCEPT

SLOPE INTERCEPT

416+00'E'

417+00'E'

418+00'E'

419+00'E'

420+00'E'

421+00'E'

422+00'E'

423+00'E'

424+00'E'

425+00'E'

426+00'E'

WORK BY OTHERS

WORK BY OTHERS

PC: 420+97.72

PT: 423+58.09

SLOPE INTERCEPT

EP: 426+50.00

MATCH LINE STA. 415+00

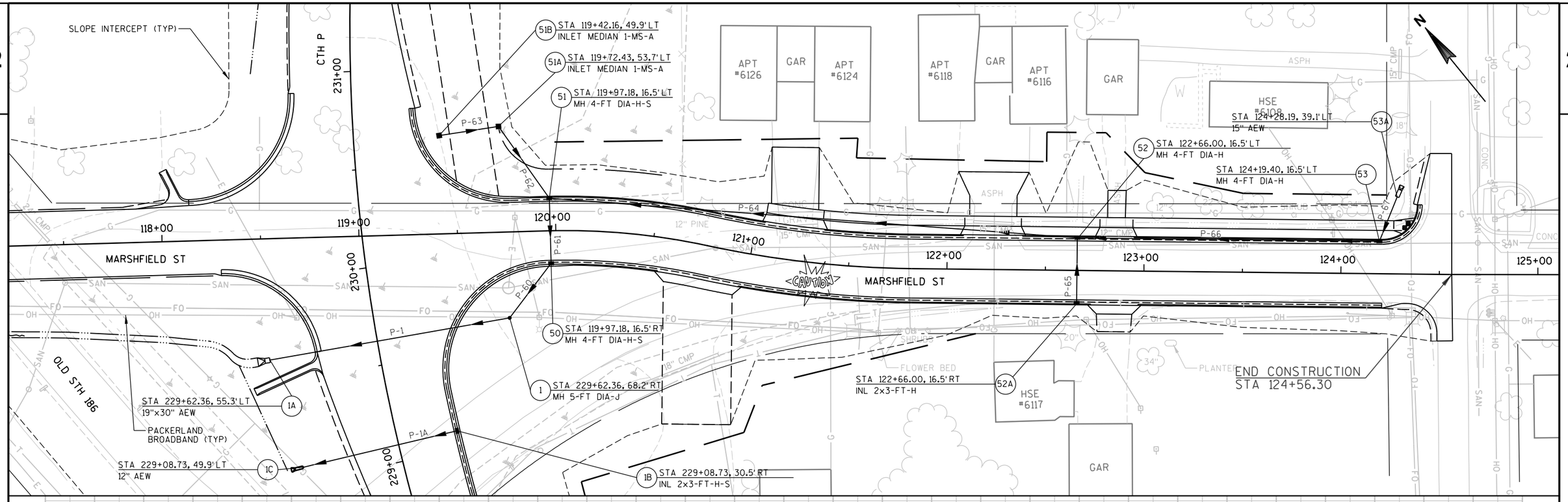
NOTE: SILT FENCE TO BE PLACED 2' BEYOND SLOPE INTERCEPT IN SENSITIVE WETLAND AREAS

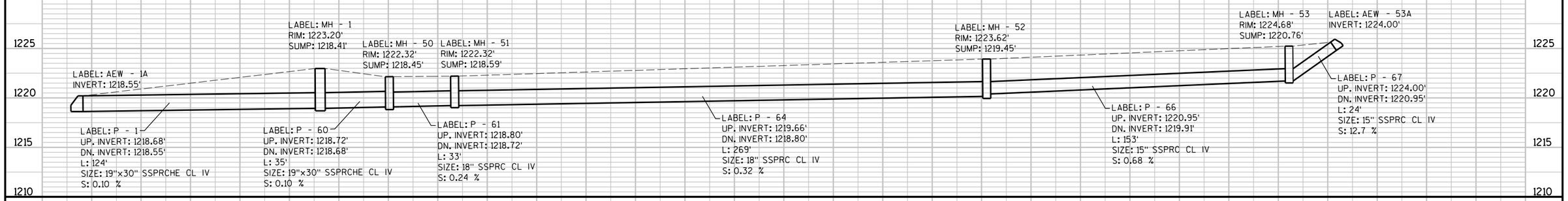
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	EROSION CONTROL	SHEET 61	E

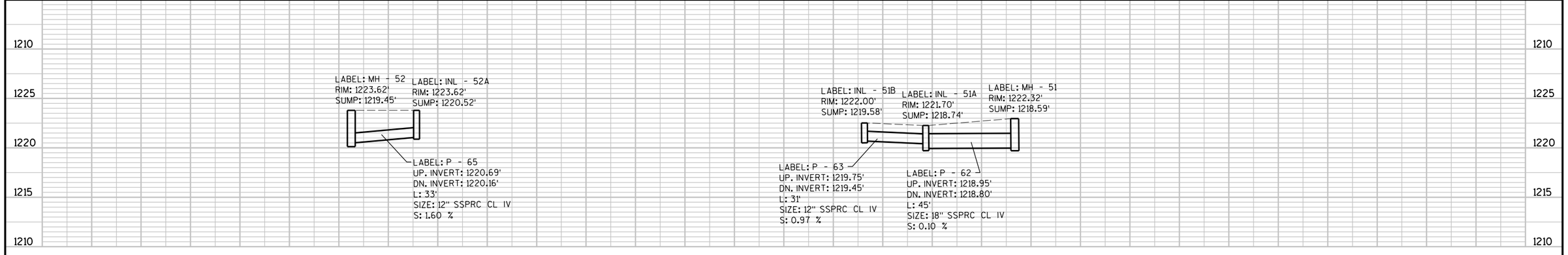
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LAYOUT NAME - 022005_EC

PLOT DATE : 10/15/2015 1:08 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





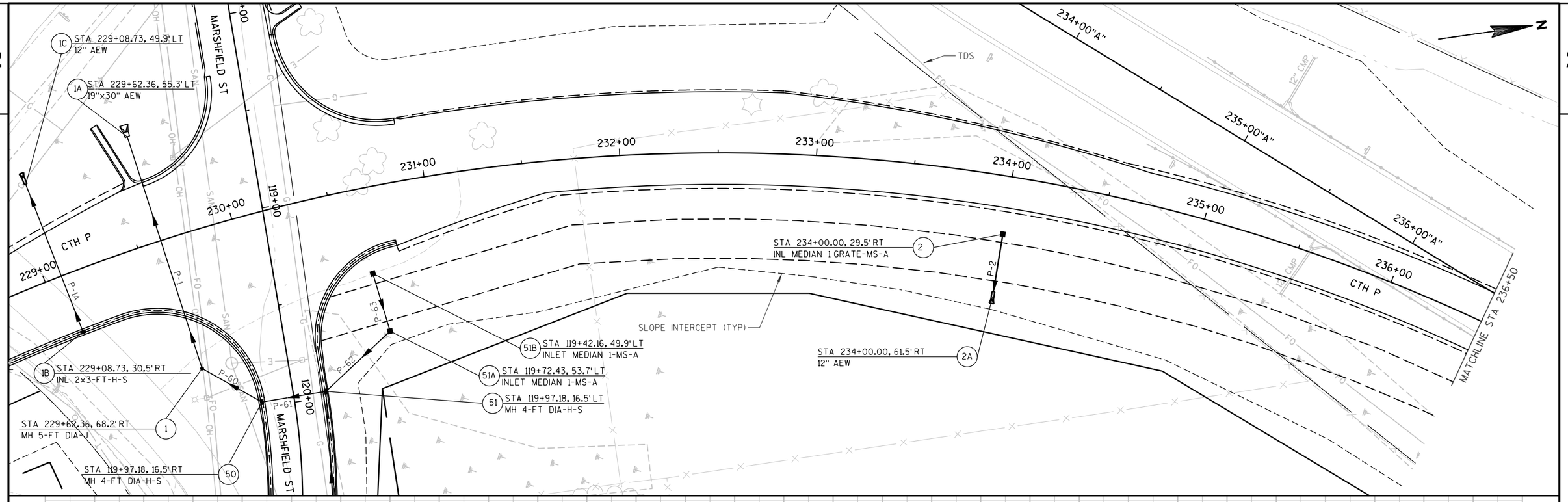


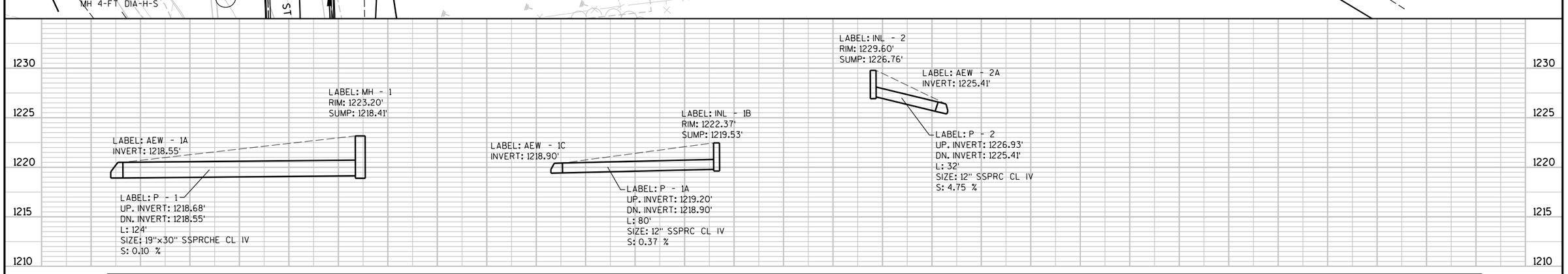
PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 62	E

STA 117+50.00 - STA 124+56.3

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
50	119+97.18	16.5' RT	35	1	MH	4-FT-H-S	1222.32	1221.78	3.33	1218.72	1218.68	19X30	35	0.10	INSTALL 1 ADJUSTING RING
51	119+97.18	16.5' LT	33	50	MH	4-FT-H-S	1222.32	1221.78	3.19	1218.80	1218.72	18	33	0.24	INSTALL 1 ADJUSTING RING
51B	119+42.16	49.9' LT	31	51A	INL	MED 1 GRATE-MS-A	1222.00	1222.00	2.67	1219.75	1219.45	12	31	0.97	
51A	119+72.43	53.7' LT	45	50	INL	MED 1 GRATE-MS-A	1221.70	1221.70	2.96	1218.95	1218.80	18	45	0.10	
52	122+66.00	16.5' LT	269	51	MH	4-FT-H	1223.62	1222.70	3.25	1219.66	1218.80	18	269	0.32	
52A	122+66.00	16.5' RT	33	52	INL	2x3-FT-H	1223.62	1222.70	2.18	1220.69	1220.16	12	33	1.60	
53	124+19.40	16.5' LT	153	52	MH	4-FT-H	1224.68	1223.76	3.00	1220.95	1219.91	15	153	0.68	
53A	124+28.19	39.1' LT	24	53	-	AEW	-	-	-	1224.00	1220.95	15	24	12.7	

MANHOLES	INLETS		INLET COVERS			SSPRC C-C CLASS III			SSPRCHE CLASS IV	AEW
4-FT DIA	2X3-FT	MED 1 GRATE	TYPE H	TYPE H-S	TYPE MS-A	12-INCH	15-INCH	18-INCH	19"X30"	15-INCH
4	1	2	3	2	2	33	177	347	35	1



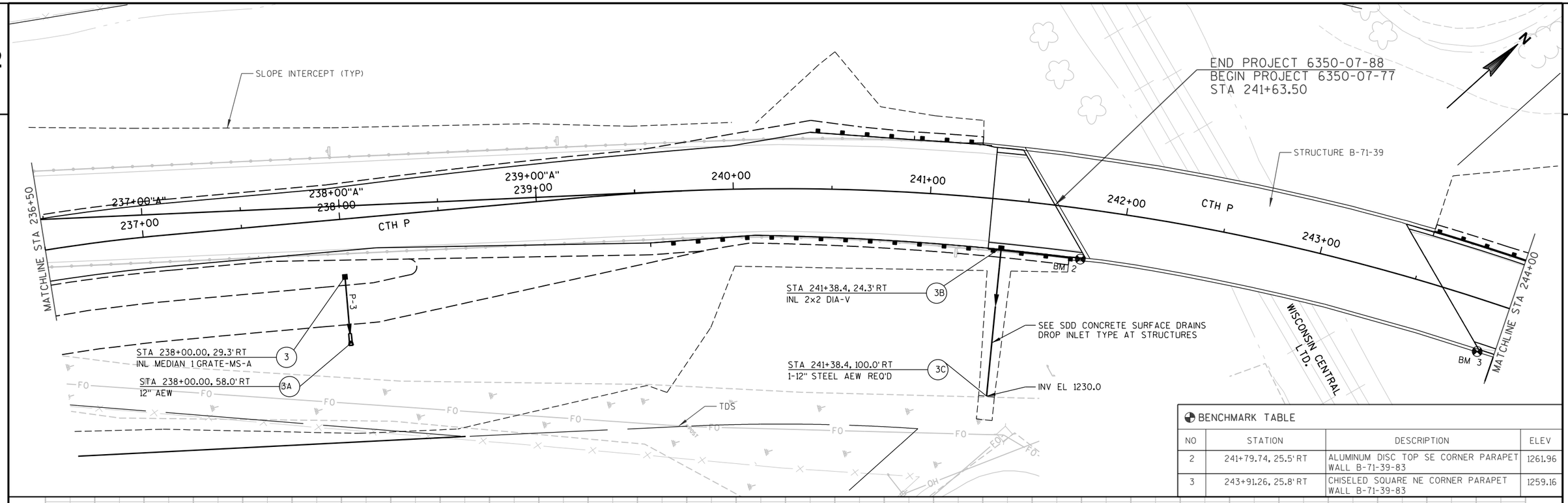


STA 229+00.00 - STA 236+50.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
1	229+62.36	68.2' RT	124	1A	MH	5-FT-J	1223.20	1221.87	3.46	1218.68	1218.55	19X30	124	0.10	
1A	229+62.36	55.3' LT	-	-	-	AEW	-	-	-	-	-	19X30	-	0.10	
1B	229+08.73	30.5' RT	80	1C	INL	2X3 FT-H-S	1222.37	1221.45	2.14	1219.20	1218.90	12	80	0.37	
1C	229+08.73	49.9' LT	-	-	-	AEW	-	-	-	-	-	12	-	0.37	
2	234+00.00	29.5' RT	32	2A	INL	MED 1 GRATE-MS-A	1229.60	1229.60	2.84	1226.93	1225.41	12	32	4.75	
2A	234+00.00	61.5' RT	-	-	-	AEW	-	-	-	-	-	12	-	4.75	

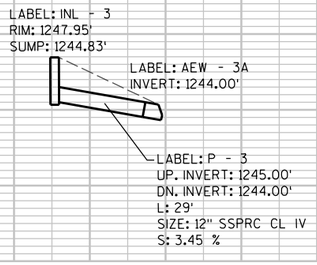
MANHOLES	INLETS	AEWS		MANHOLE COVERS	INLET COVERS	SSPRC C-C CLASS IV	SSPRCHE C-C CLASS IV
5-FT DIA	MED 1 GRATE	12-INCH	19X30	TYPE J	TYPE MS-A	12-INCH	19X30
1	1	2	1	1	1	112	124

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 64	E



BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
2	241+79.74, 25.5' RT	ALUMINUM DISC TOP SE CORNER PARAPET WALL B-71-39-83	1261.96
3	243+91.26, 25.8' RT	CHISELED SQUARE NE CORNER PARAPET WALL B-71-39-83	1259.16

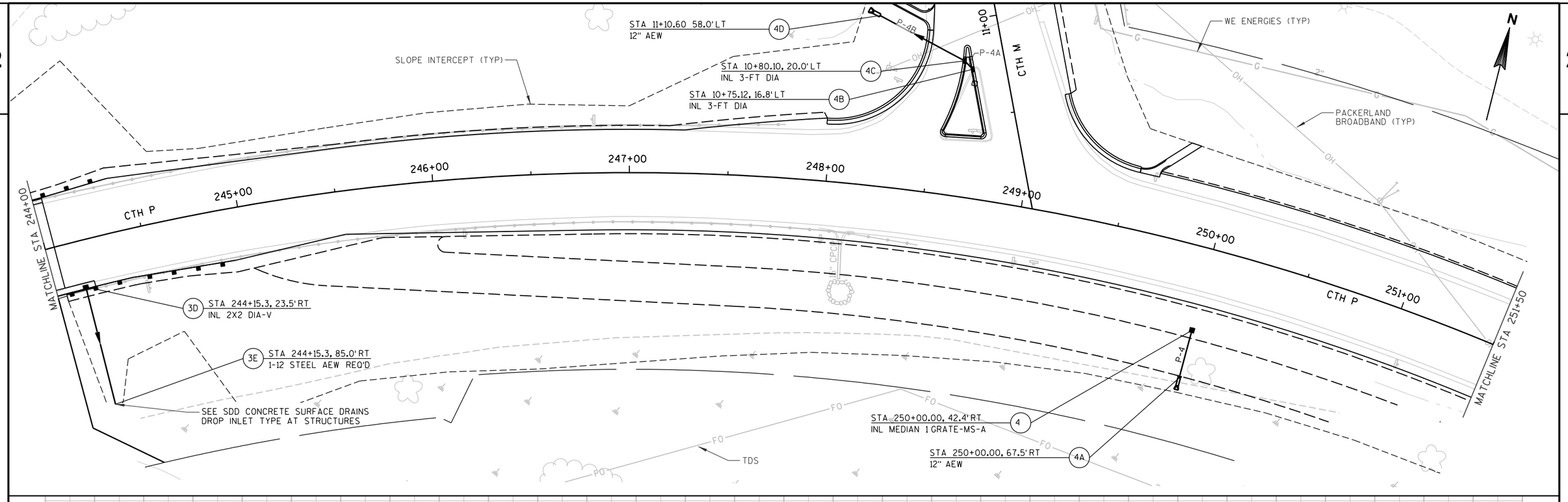


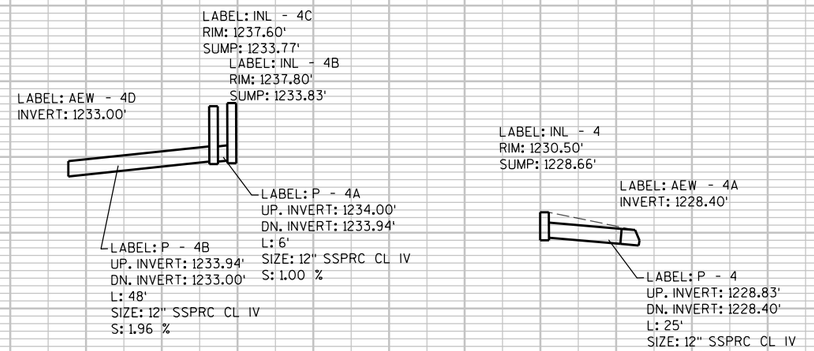
STA 236+50.00 - STA 244+00.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
3	238+00.00	29.3' RT	29	3A	INL	MED 1 GRATE-MS-A	1247.95	1247.95	3.12	1245.00	1244.00	12	29	3.45	
3A	238+00.00	58.0' RT	-	-	-	AEW	-	-	-	-	-	12	-	-	
3B	241+38.40	24.3' RT	-	3C	INL	INL TYPE 2x2	1258.97	1257.55	3.00	1254.55	1230.00	12	75	VAR	CONCRETE SURFACE DRAIN DROP INLET
3C	241+38.40	100.0' RT	75	-	-	AEW	-	-	-	-	1230.00	12	-	1.00	

INLETS		AEWS	AEW STEEL	INLET COVERS		SSPRC C-C CLASS IV
MED 1 GRATE	3-FT DIA	12-INCH	12-INCH	TYPE MS-A	TYPE V	12-INCH
1	1	1	1	1	1	29

PIPE UNDERDRAIN UNPERFORATED
12-INCH
75





1260 1255 1250 1245 1240 1235 1230 1225 1220

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 66	E

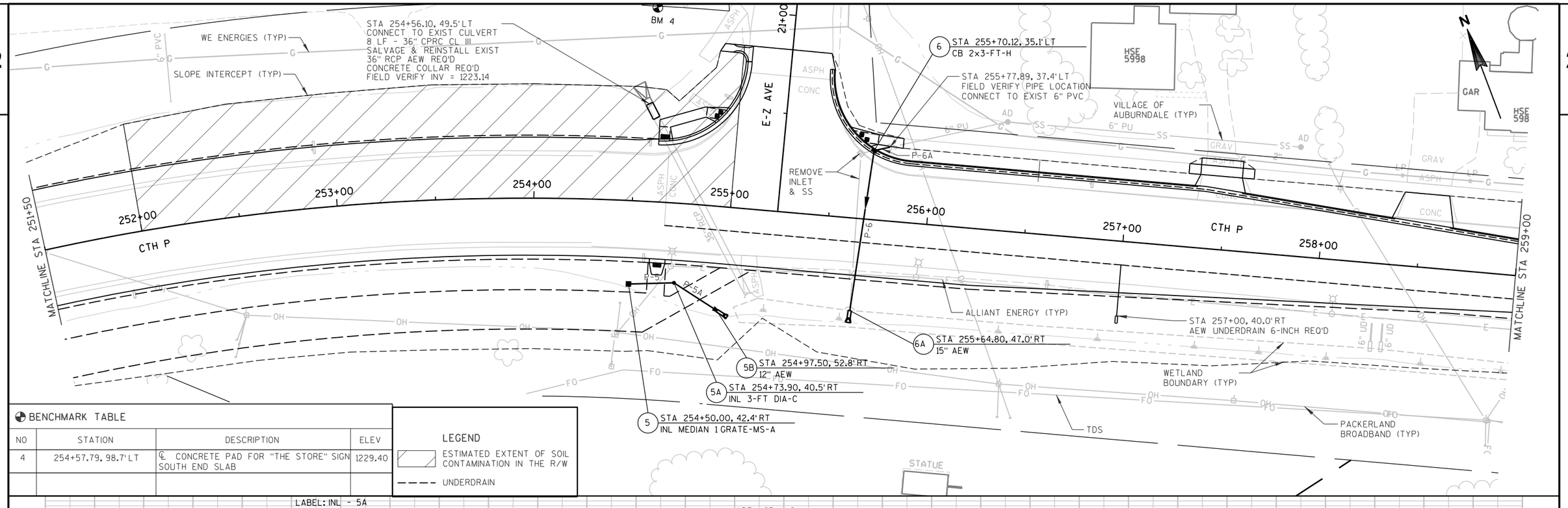
2

STA 244+00.00 - STA 251+50.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
3D	244+15.3	23.5' RT	65	3E	INL	INL 2X2	1256.00	1254.58	3.0	1251.58	1231.50	12	65	VAR	CONCRETE SURFACE DRAIN DROP INLET
3E	244+15.3	85.0' RT	-	-	-	AEW	-	-	-	-	-	12	-	1.00	
4	250+00.00	42.4' RT	25	4A	INL	MED 1 GRATE-MS-A	1230.50	1230.50	1.84	1228.83	1228.40	12	25	1.72	
4A	250+00.00	67.5' RT	-	-	-	AEW	-	-	-	-	-	12	-	-	
4B	10+75.12	16.8' LT	6	4C	INL	3-FT DIA	1237.80	1236.72	2.89	1234.00	1233.94	12	6	1.00	
4C	10+80.10	20.0' LT	48	4D	INL	3-FT DIA	1237.60	1236.52	2.75	1233.94	1233.00	12	48	1.96	
4D	11+10.60	58.0' LT	-	-	-	AEW	-	-	-	-	-	12	-	1.96	

INLETS		AEWS	AEW STEEL	INLET COVERS		SSPRC C-C CLASS IV
MED 1 GRATE	3-FT DIA	12-INCH	12-INCH	TYPE MS-A	TYPE V	12-INCH
1	1	1	1	1	1	25

PIPE UNDERDRAIN UNPERFORATED
12-INCH
65



BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
4	254+57.79, 98.7'LT	℄ CONCRETE PAD FOR "THE STORE" SIGN SOUTH END SLAB	1229.40

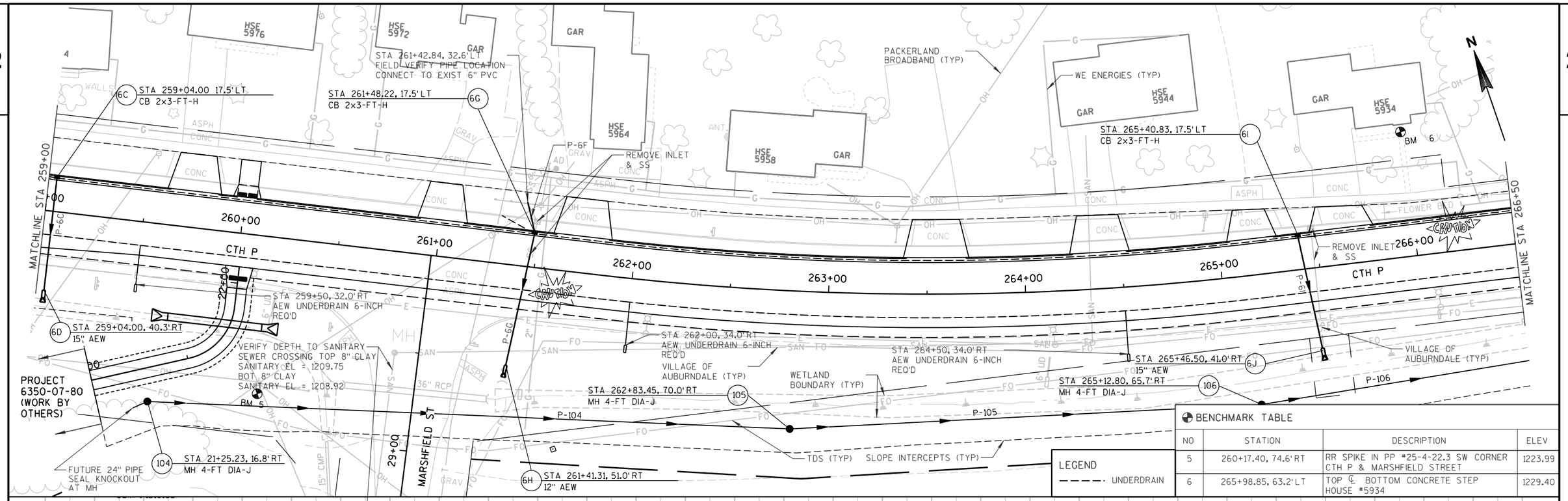
STA 251+50.00 - STA 259+00.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
5	254+50.00	42.4'RT	23	5A	INL	MED 1 GRATE-MS-A	1225.80	1225.80	2.93	1223.04	1222.81	12	23	1.00	
5A	254+73.90	40.5'RT	26	5B	INL	3-FT-C	1226.90	1225.57	2.93	1222.81	1222.55	12	26	1.00	
5B	254+97.50	52.8 'LT	-	-	-	AEW	-	-	-	-	-	12	-	-	
EXIST	255+77.89	37.4'LT	8	6	-	-	EXIST	-	-	EXIST	1222.09	6	8	EXIST	6" PVC FIELD VERIFY LOCATION
6	255+70.12	35.1'LT	82	6A	CB	2X3-FT-H	1227.80	1226.88	7.39	1221.49	1221.25	15	82	0.29	
6A	255+64.80	47.0'RT	-	-	-	AEW	-	-	-	-	-	15	-	-	

CATCH BASINS	INLETS		AEWS		SALVAGE & REINSTALL AEW	INLET COVERS			SSPRC C-C CLASS III	SSPRC C-C CLASS IV	PVC
2x3-FT	3-FT	MED 1 GRATE	12-INCH	15-INCH	36-INCH	TYPE C	TYPE H	TYPE MS-A	15-INCH	12-INCH	6-INCH
1	1	1	1	1	1	1	1	1	82	49	8

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 68	E

2



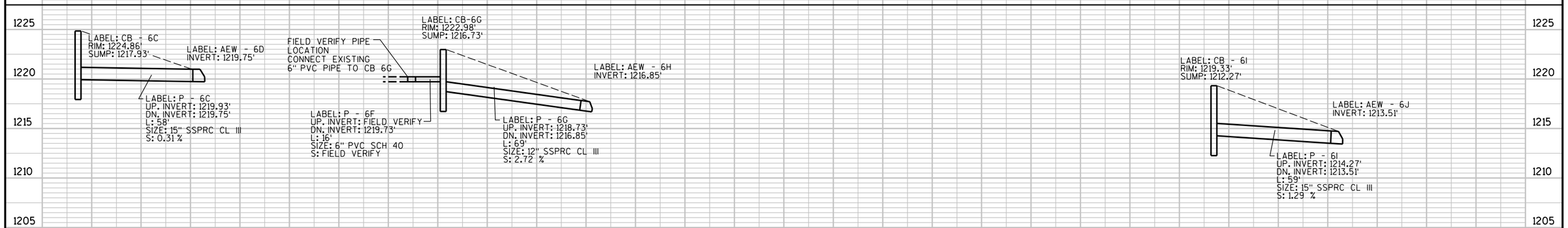
LEGEND

UNDERDRAIN

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
5	260+17.40, 74.6'RT	RR SPIKE IN PP #25-4-22.3 SW CORNER CTH P & MARSHFIELD STREET	1223.99
6	265+98.85, 63.2'LT	TOP ℄ BOTTOM CONCRETE STEP HOUSE #5934	1229.40



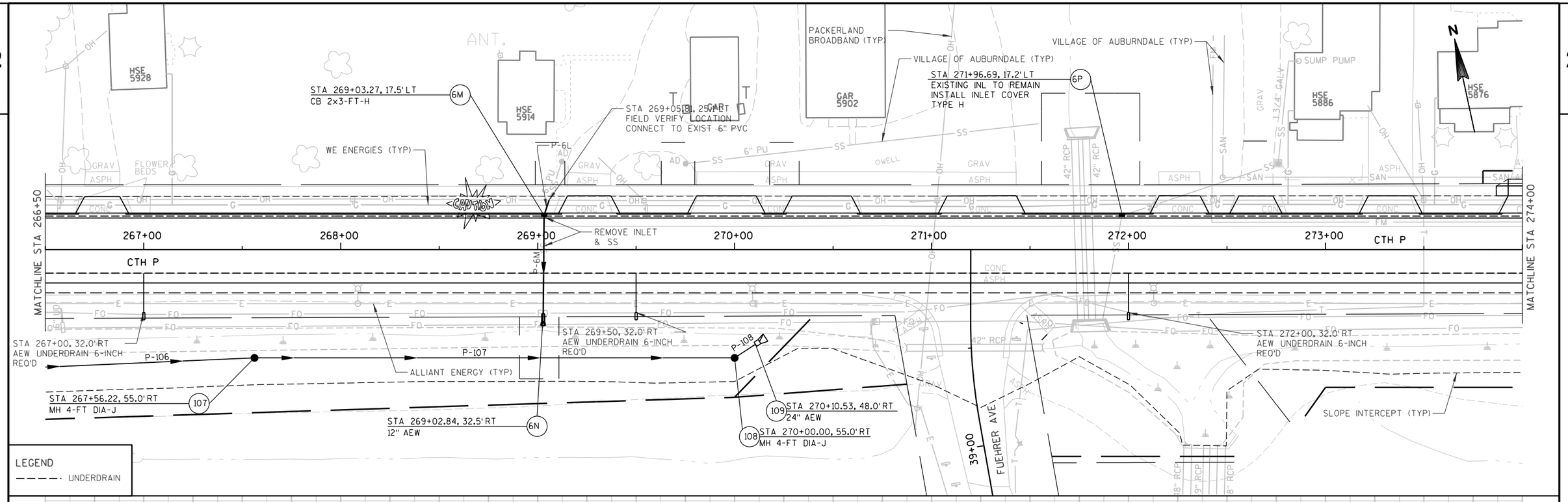


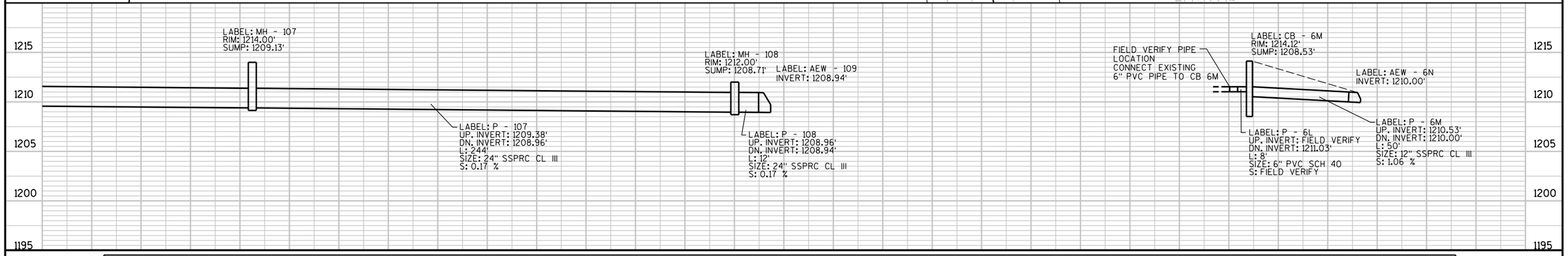
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 69	E

STA 259+00.00 - STA 266+50.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
6C	259+04.00	17.5' LT	58	6D	CB	2X3-FT-H	1224.86	1223.94	6.01	1219.93	1219.75	15	58	0.31	
6D	259+04.00	40.3' RT	-	-	-	AEW	-	-	-	-	-	15	-	-	
EXIST	261+42.84	32.6' LT	16	6G	-	-	EXIST	-	-	EXIST	1219.73	6	16	EXIST	6" PVC FIELD VERIFY LOCATION
6G	261+48.22	17.5' LT	69	6H	CB	2X3-FT-H	1222.98	1222.06	5.33	1218.73	1216.85	12	69	2.72	
6H	261+41.31	51.0' RT	-	-	-	AEW	-	-	-	-	-	12	-	-	
6I	265+40.83	17.5' LT	59	6J	CB	2X3-FT-H	1219.33	1218.41	6.14	1214.27	1213.51	15	59	1.29	
6J	265+46.50	41.0' RT	-	-	-	AEW	-	-	-	-	-	15	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	SEAL PIPE KNOCKOUT AT MH (INCIDENTAL TO MH)
104	21+25.23	16.8' RT	327	105	MH	4-FT DIA J	1223.24	1221.91	11.39	1210.77	1210.21	24	327	0.17	
105	262+83.45	70.0' RT	240	106	MH	4-FT DIA J	1218.98	1217.65	7.69	1210.21	1209.80	24	240	0.17	
106	265+12.80	65.7' RT	244	107	MH	4-FT DIA J	1216.93	1215.60	6.05	1209.80	1209.38	24	244	0.17	

MH	CATCH BASINS	AEWS		INLET COVERS	MH COVERS	SSPRC C-C CLASS III			PVC
4-FT	2x3-FT	12-INCH	15-INCH	TYPE H	TYPE J	12-INCH	15-INCH	24-INCH	6-INCH
3	3	1	2	3	3	69	117	811	16

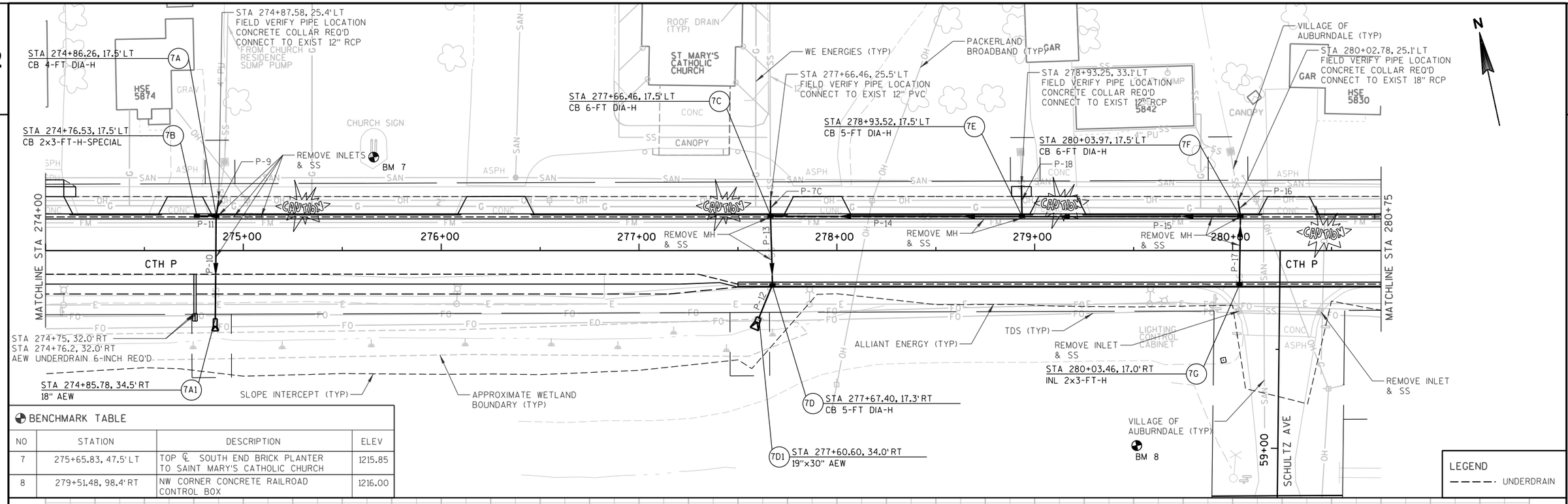




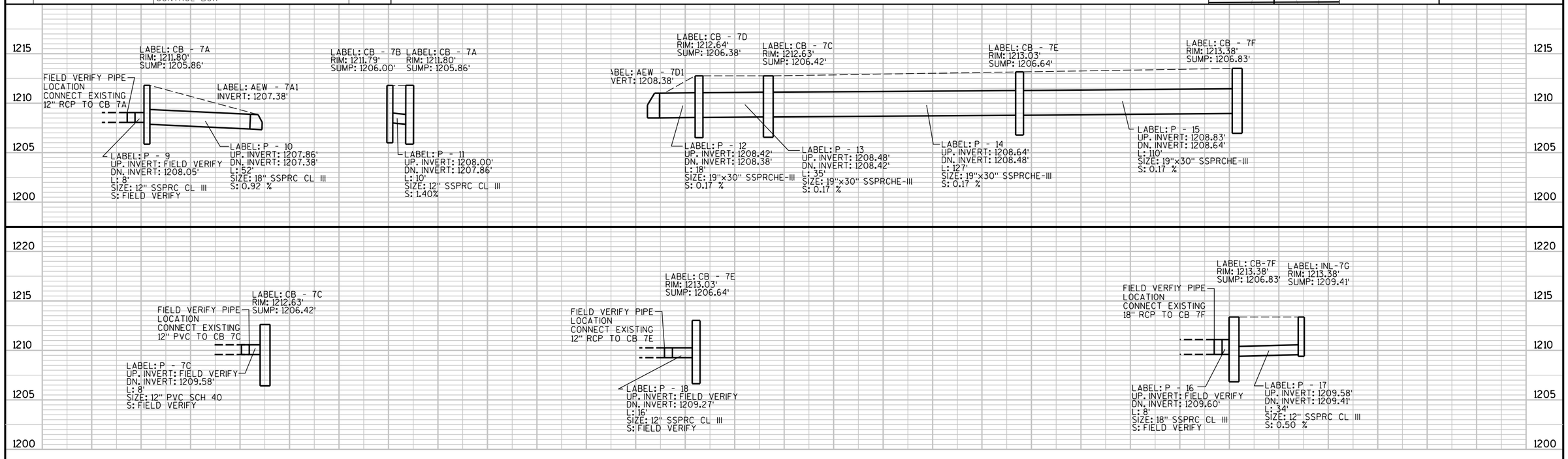
STA 266+50.00 - STA 274+00.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
EXIST	269+05.81	25.1' LT	8	6M	-	-	EXIST	-	-	EXIST	1211.03	6	8	EXIST	6" PVC FIELD VERIFY LOCATION
6M	269+03.27	17.5' LT	50	6N	CB	2X3-FT-H	1214.12	1213.20	4.67	1210.53	1210.00	12	50	1.06	
6N	269+02.84	32.5' RT	-	-	-	AEW	-	-	-	-	-	12	-	-	
6P	271+96.69	17.2' LT	-	-	-	H	1212.71	-	-	-	-	-	-	-	INSTALL INLET COVER
107	267+56.22	55.0' RT	244	108	MH	4-FT DIA-J	1214.00	1212.67	3.54	1209.38	1208.96	24	244	0.17	
108	270+00.00	55.0' RT	12	109	-	4-FT DIA-J	1212.00	1211.25	2.54	1208.96	1208.94	24	12	0.17	INSTALL NO RINGS
109	270+10.53	48.0' RT	-	-	-	AEW	-	-	-	-	-	-	-	-	TIE ENDWALL REQ'D

MH	CATCH BASINS	AEWS		INLET COVERS	MH COVERS	SSPRC C-C CLASS III		PVC
4-FT	2x3-FT	12-INCH	24-INCH	TYPE H	TYPE J	12-INCH	24-INCH	6-INCH
2	1	1	1	2	2	50	256	8



BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
7	275+65.83, 47.5' LT	TOP ℄ SOUTH END BRICK PLANTER TO SAINT MARY'S CATHOLIC CHURCH	1215.85
8	279+51.48, 98.4' RT	NW CORNER CONCRETE RAILROAD CONTROL BOX	1216.00

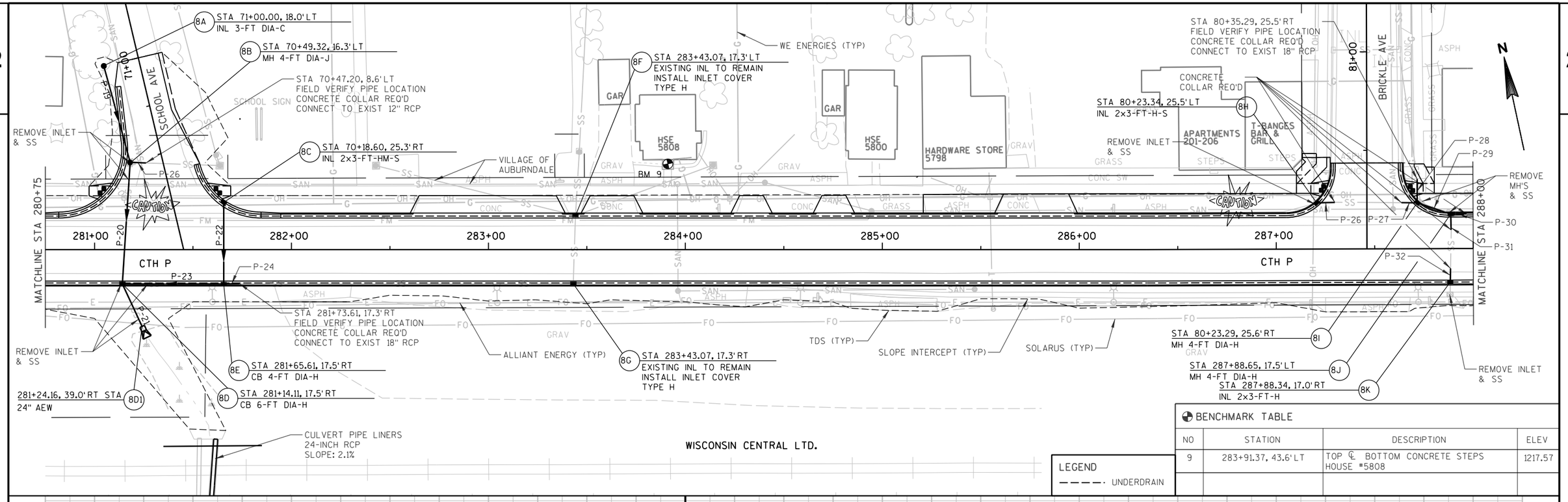


PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 72	E

STA 274+00.00 - STA 280+75.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
EXIST	274+87.58	25.4' LT	8	7A	-	-	EXIST	-	-	EXIST	1208.05	12	8	EXIST	12" RCP FIELD VERIFY LOCATION
7A	274+86.26	17.5' LT	52	7A1	CB	4-FT-H	1211.80	1210.88	5.02	1207.86	1207.38	18	52	0.92	
7A1	274+85.78	34.5' RT	-	-	-	AEW	-	-	-	-	-	18	-	-	
7B	274+76.53	17.5' LT	10	7A	CB	2x3-FT-H-SPECIAL	1211.79	1210.87	4.87	1208.00	1207.86	12	10	1.40	
7C	277+66.46	17.5' LT	35	7D	CB	6-FT-H	1212.63	1211.71	5.29	1208.48	1208.42	19x30	35	0.17	
7D	277+67.40	17.3' RT	18	7D1	CB	5-FT-H	1212.64	1211.72	5.34	1208.42	1208.38	19x30	18	0.17	
7D1	277+60.60	34.0' RT	-	-	-	AEW	-	-	-	-	-	19x30	-	-	
EXIST	277+66.46	25.5' LT	8	7C	-	-	EXIST	-	-	EXIST	1209.58	12	8	EXIST	12" PVC FIELD VERIFY LOCATION
7E	278+93.52	17.5' LT	127	7C	CB	5-FT-H	1213.03	1212.11	5.47	1208.64	1208.48	19x30	127	0.17	
7F	280+03.97	17.5' LT	110	7E	CB	6-FT-H	1213.38	1212.46	5.63	1208.83	1208.64	19x30	110	0.17	
7G	280+03.46	17.0' RT	34	7F	INL	2x3-FT-H	1213.38	1212.46	3.05	1209.58	1209.41	12	34	0.50	
EXIST	278+93.25	33.1' LT	16	7E	-	-	EXIST	-	-	EXIST	1209.27	12	16	EXIST	12" RCP FIELD VERIFY LOCATION
EXIST	280+02.78	25.1' LT	8	7F	-	-	EXIST	-	-	EXIST	1209.60	18	8	EXIST	18" RCP FIELD VERIFY LOCATION

CATCH BASINS				INLETS	AEWS		INLET COVERS		SSPRC C-C CLASS III		SSPRCHE-III C-C	PVC	CONCRETE COLLAR
2x3-FT	4-FT DIA	5-FT DIA	6-FT DIA	2x3-FT	18-INCH	19x30-INCH	TYPE H	TYPE H-SPECIAL	12-INCH	18-INCH	19X30	12-INCH	EACH
1	1	2	2	1	1	1	6	1	68	60	290	8	3

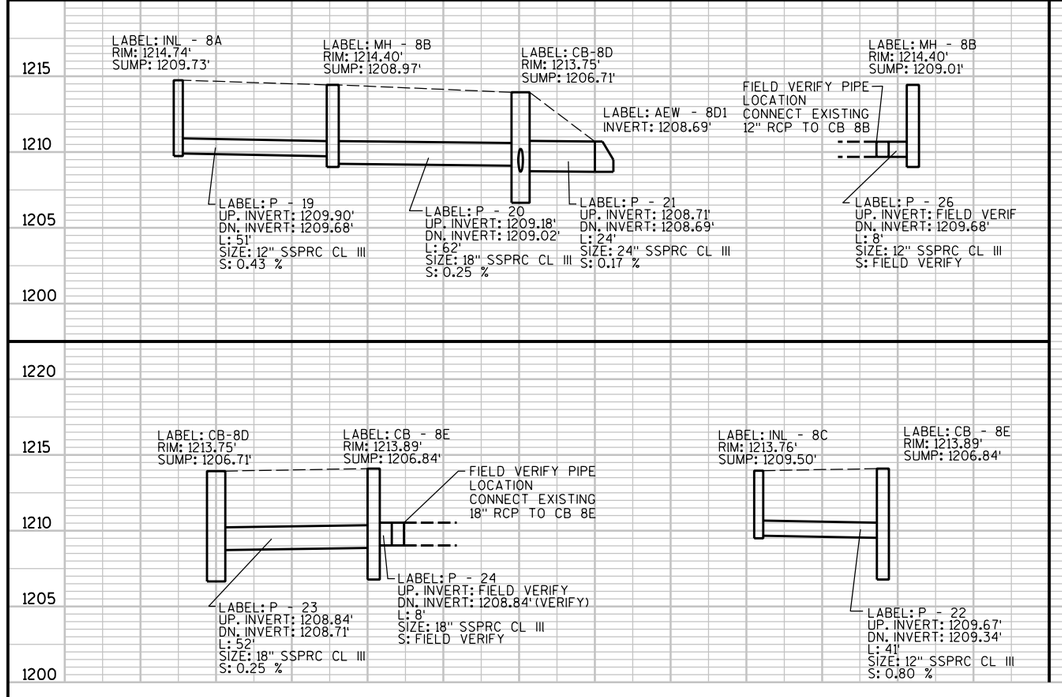


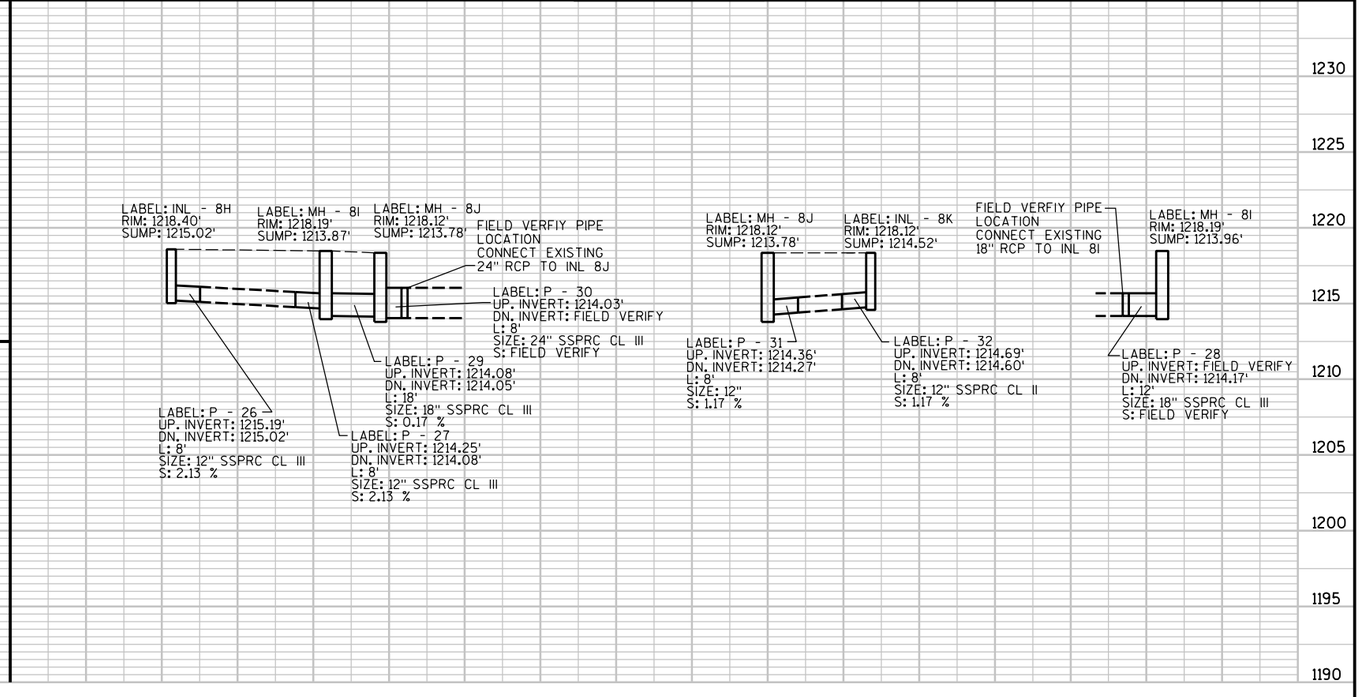
LEGEND

UNDERDRAIN

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
9	283+91.37, 43.6'LT	TOP ℄ BOTTOM CONCRETE STEPS HOUSE #5808	1217.57





STA 280+75.00 - STA 288+00.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
8A	71+00.00	18.0' LT	51	8B	INL	3-FT-C	1214.74	1213.41	3.68	1209.90	1209.68	12	51	0.43	
8B	70+49.32	16.3' LT	62	8D	MH	4-FT-J	1214.40	1213.07	4.10	1209.18	1209.02	18	62	0.25	
EXIST	70+47.20	8.6' LT	8	8B	-	-	-	-	-	EXIST	1209.68	12	8	EXIST	12" RCP FIELD VERIFY LOCATION
8D	281+14.11	17.5' RT	24	8D1	CB	6-FT-H	1213.75	1212.83	6.12	1208.71	1208.69	24	24	0.17	
8D1	281+24.16	39.0' RT	-	-	-	AEW	-	-	-	-	-	24	-	-	
8C	70+18.60	25.3' RT	41	8E	INL	2X3-FT-HM-S	1213.76	1212.84	3.34	1209.67	1209.34	12	41	0.80	
EXIST	281+73.61	17.3' RT	8	8E	-	-	EXIST	-	-	EXIST	1208.84	18	8	EXIST	18" RCP FIELD VERIFY LOCATION & ELEVATION
8E	281+65.61	17.5' RT	52	8D	CB	4-FT-H	1213.89	1212.97	6.13	1208.84	1208.71	18	52	0.25	
8F	283+43.07	17.3' LT	-	-	-	H	1215.54	-	-	EXIST	-	-	-	-	INSTALL INLET COVER
8G	283+43.07	17.3' RT	-	-	-	H	1215.54	-	-	EXIST	-	-	-	-	INSTALL INLET COVER
8H	80+23.34	25.5' LT	16	8I	INL	2X3-FT-H-S	1218.40	1217.48	2.46	1215.19	1215.02	12	16	2.13	
8I	80+23.29	25.6' RT	18	8J	MH	4-FT-H	1218.19	1217.27	3.40	1214.08	1214.05	18	18	0.17	
8J	287+88.65	17.5' RT	8	EXIST	MH	4-FT-H	1218.12	1217.20	3.42	1214.03	EXIST	24	8	EXIST	24" RCP FIELD VERIFY LOCATION
8K	287+88.34	17.0' RT	16	8J	INL	2X3-FT-H	1218.12	1217.20	2.68	1214.69	1214.60	12	16	1.17	
EXIST	80+35.29	25.5' RT	12	8I	-	-	EXIST	-	-	EXIST	1214.17	18	12	EXIST	18" RCP FIELD VERIFY LOCATION

MANHOLES	CATCH BASINS		INLETS		AEWS	MANHOLE COVERS	INLET COVERS				SSPRC C-C CLASS III			CONCRETE COLLAR
4-FT DIA	4-FT DIA	6-FT DIA	2X3-FT	3-FT DIA	24-INCH	TYPE J	TYPE C	TYPE H	TYPE H-S	TYPE HM-S	12-INCH	18-INCH	24-INCH	EACH
3	1	1	3	1	1	1	1	7	1	1	132	152	32	8

LEGEND

ESTIMATED EXTENT OF SOIL CONTAMINATION IN THE R/W

UNDERDRAIN

STA 90+31.66, 19.8' RT
FIELD VERIFY PIPE LOCATION
CONCRETE COLLAR REQ'D
CONNECT TO EXIST 18" RCP

STA 90+23.08, 31.1' LT
INL 4-FT DIA-H-S
9B

STA 290+04.48, 17.2' LT
RECONSTRUCT INLET
INSTALL INLET COVER
TYPE H
9A

REMOVE INLET

BM 10

SIDE TRACKED 5778

T-NET 5772 101

CUTLERS ANITQUES

GEORGE AVE

STA 90+23.80, 21.2' RT
MH 4-FT DIA-H
9D

PIONEER BANK

STA 291+65.23, 17.5' LT
INL 2x3-FT-H
9F

REMOVE INLET

VILLAGE OF AUBURNDALE (TYP)

PACKERLAND BROADBAND (TYP)

WE ENERGIES (TYP)

HSE 5736

GAR

STA 295+39.04, 17.5' LT
RECONSTRUCT INLET
INSTALL INLET COVER
TYPE H-SPECIAL
9H

BM 11

N

MATCHLINE STA 288+00

MATCHLINE STA 295+50

CTH P

289+00

290+00

291+00

292+00

293+00

294+00

295+00

CAUTION

REMOVE MH & SS

CONCRETE COLLAR REQ'D

REMOVE SS

REMOVE MH & SS

STA 293+00, 32.0' RT
AEW UNDERDRAIN 6-INCH REQ'D

STA 295+44.8, 40.0' RT
STA 295+45.9, 40.0' RT
AEW UNDERDRAIN 6-INCH REQ'D

TDS (TYP)

SOLARUS (TYP)

ALLIANT ENERGY (TYP)

STA 290+08.72, 17.0' RT
MH 5-FT DIA-H
9C

REMOVE INLET & SS

STA 290+95.48, 17.0' RT
CB 6-FT DIA-H
9E

STA 291+65.23, 17.0' RT
CB 4-FT DIA-H
9G

REMOVE STORM SEWER

REMOVE MH'S & SS

SLOPE INTERCEPT (TYP)

APPROXIMATE WETLAND BOUNDARY (TYP)

STA 292+14.33, 42.0' RT
24" AEW
9G1

CULVERT PIPE LINERS
48-INCH RCP
SLOPE: 0.92%

P-33 P-34 P-35 P-36 P-37 P-38 P-39 P-40 P-41 P-42

15.0' 15.0'

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
10	289+44.05, 41.6' LT	TOP ℄ FIRST METAL STEP WEST END ANTIQUE SALES BLDG	1220.12
11	294+71.45, 44.2' LT	CHISELED SQUARE TOP ℄ CONCRETE HEADWALL TO DRAINAGE DITCH	1212.08

1230 1225 1220 1215 1210 1205 1200 1195 1190

LABEL: INL - 9B
RIM: 1216.17'
SUMP: 1212.38'

LABEL: MH - 9D
RIM: 1215.93'
SUMP: 1211.80'

FIELD VERFIY PIPE LOCATION
CONNECT EXISTING
24" RCP TO INL 9C

LABEL: MH - 9C
RIM: 1216.58'
SUMP: 1210.52'

LABEL: P - 33
UP. INVERT: 1212.59'
DN. INVERT: 1212.51'
L: 8'
SIZE: 18" SSPRC CL III
S: 1.04 %

LABEL: P - 34
UP. INVERT: 1212.13'
DN. INVERT: 1212.05'
L: 8'
SIZE: 18" SSPRC CL III
S: 1.04 %

LABEL: P - 35
UP. INVERT: FEILD VERIFY
DN. INVERT: 1211.88'
L: 8'
SIZE: 24" SSPRC CL III
S: FIELD VERIFY

LABEL: MH - 9C
RIM: 1216.58'
SUMP: 1210.52'

LABEL: CB - 9E
RIM: 1215.78'
SUMP: 1208.42'

LABEL: CB - 9G
RIM: 1215.12'
SUMP: 1207.91'

LABEL: AEW - 9G1
INVERT: 1209.32'

LABEL: P - 36
UP. INVERT: 1210.77'
DN. INVERT: 1210.42'
L: 87'
SIZE: 24" SSPRC CL III
S: 0.40 %

LABEL: P - 37
UP. INVERT: 1210.42'
DN. INVERT: 1210.14'
L: 70'
SIZE: 24" SSPRC CL III
S: 0.40 %

LABEL: P - 38
UP. INVERT: 1209.91'
DN. INVERT: 1209.32'
L: 55'
SIZE: 24" SSPRC CL III
S: 1.07 %

FIELD VERFIY PIPE LOCATION
CONNECT EXISTING
18" RCP TO INL 9D

LABEL: P - 39
UP. INVERT: FIELD VERIFY
DN. INVERT: 1212.05'
L: 8'
SIZE: 18" SSPRC CL III
S: FIELD VERIFY

LABEL: MH - 9D
RIM: 1215.93'
SUMP: 1211.80'

LABEL: CB - 9E
RIM: 1215.78'
SUMP: 1208.42'

LABEL: P - 40
UP. INVERT: 1212.01'
DN. INVERT: 1211.83'
L: 8'
SIZE: 18" SSPRC CL III
S: 2.28 %

LABEL: P - 41
UP. INVERT: 1211.14'
DN. INVERT: 1210.96'
L: 8'
SIZE: 18" SSPRC CL III
S: 2.28 %

LABEL: INL - 9F
RIM: 1215.12'
SUMP: 1211.09'

LABEL: CB - 9G
RIM: 1215.12'
SUMP: 1207.91'

LABEL: P - 42
UP. INVERT: 1211.26'
DN. INVERT: 1211.14'
L: 34'
SIZE: 12" SSPRC CL III
S: 0.35 %

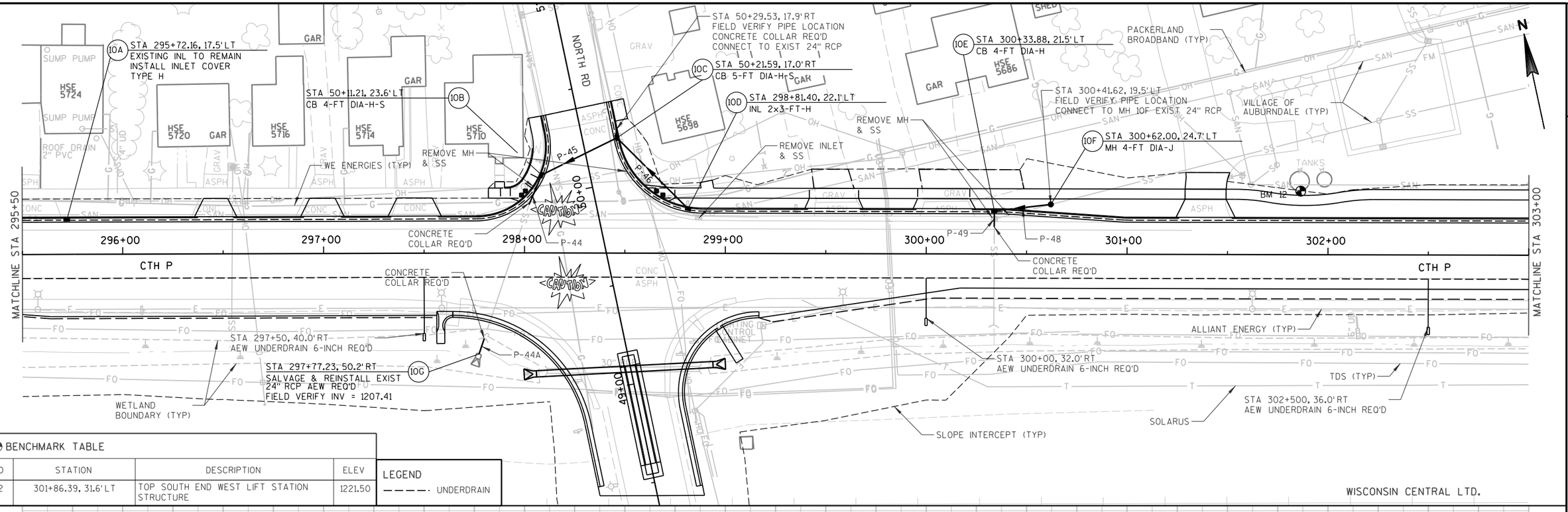
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 76	E

2

STA 288+00.00 - STA 295+50.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
9A	290+04.48	17.2' LT	8	9C	-	H	1216.61	-	-	EXIST	1211.88	24	8	EXIST	24" RCP FIELD VERIFY LOCATION & INSTALL INLET COVER
9B	90+23.08	31.1' LT	16	9D	INL	4-FT DIA-H-S	1216.17	1215.25	2.87	1212.59	1212.05	18	16	1.04	
9D	90+23.80	21.2' RT	16	9E	MH	4-FT-H	1215.93	1215.01	3.21	1212.01	1210.96	18	16	2.28	
EXIST	90+31.66	19.8' RT	8	9D	-	-	EXIST	-	-	EXIST	1212.05	18	8	EXIST	18" RCP FIELD VERIFY LOCATION
9F	291+65.23	17.5' LT	34	9G	INL	2X3-FT-H	1215.12	1214.20	3.12	1211.26	1211.14	12	34	0.35	
9C	290+08.72	17.0' RT	87	9E	MH	5-FT-H	1216.58	1215.66	5.14	1210.77	1210.42	24	87	0.40	
9E	290+95.48	17.0' RT	70	9G	CB	6-FT-H	1215.78	1214.86	6.44	1210.42	1210.14	24	70	0.40	
9G	291+65.23	17.0' RT	55	9G1	CB	4-FT-H	1215.12	1214.20	6.29	1209.91	1209.32	24	55	1.07	
9G1	292+14.33	42.0' RT	-	-	-	AEW	-	-	-	-	-	24	-	-	
9H	295+39.04	17.5' LT	-	-	-	H-SPECIAL	1211.41	-	-	-	-	-	-	-	INSTALL INLET COVER

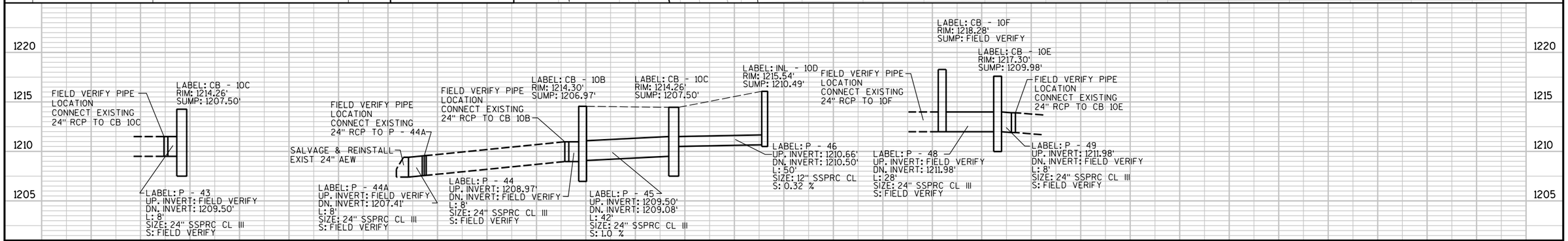
MANHOLES		CATCH BASINS		INLETS	AEWS	INLET COVERS			SSPRC C-C CLASS III			CONCRETE COLLAR	RECONSTRUCTING INLETS
4-FT DIA	5-FT DIA	4-FT DIA	6-FT DIA	2x3-FT	24-INCH	TYPE H	TYPE H-S	TYPE H-SPECIAL	12-INCH	18-INCH	24-INCH	EACH	EACH
2	1	1	1	1	1	6	2	1	34	40	220	6	2



BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
12	301+86.39, 31.6'LT	TOP SOUTH END WEST LIFT STATION STRUCTURE	1221.50

LEGEND
UNDERDRAIN



STA 295+50.00 - STA 303+00.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
10A	295+72.16	17.5'LT	-	-	-	H	1211.94	-	-	EXIST	-	-	-	-	INSTALL INLET COVER
10B	50+11.21	23.6'LT	16	EXIST	CB	4-FT-H-S	1214.30	1213.38	6.41	1208.97	EXIST	24	16	EXIST	24" RCP FIELD VERIFY LOCATION
EXIST	50+29.53	17.9'RT	8	10C	-	-	EXIST	-	-	EXIST	1209.50	24	8	EXIST	24" RCP FIELD VERIFY LOCATION
10C	50+21.59	17.0'RT	42	10B	CB	5-FT-H-S	1214.26	1213.34	5.83	1209.50	1209.08	24	42	1.0	
10D	298+81.40	22.1'LT	50	10C	INL	2X3-FT-H	1215.54	1214.62	4.46	1210.66	1210.50	12	50	0.32	
10F	300+62.00	24.7'LT	28	10E	MH	4-FT-J	1218.28	1216.95	VERIFY	VERIFY	1211.98	24	28	EXIST	24" RCP FIELD VERIFY LOCATION & ELEVATIONS
10E	300+33.88	21.5'LT	8	EXIST	CB	4-FT-H	1217.30	1216.38	6.65	1211.98	EXIST	24	8	EXIST	24" RCP FIELD VERIFY LOCATION
10G	297+77.23	50.2'RT	8	10F	-	SALVAGE AEW	-	-	-	EXIST	1207.41	24	8	EXIST	24" RCP FIELD VERIFY LOCATION

MANHOLE	CATCH BASINS		INLETS	INLET COVERS		MH COVERS	SSPRC C-C CLASS III		CONCRETE COLLAR	SALVAGE & REINSTALL AEW
4-FT DIA	4-FT DIA	5-FT DIA	2x3-FT	TYPE H	TYPE H-S	TYPE J	12-INCH	24-INCH	EACH	24-INCH
1	2	1	1	4	1	1	50	110	4	1

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STORM SEWER	SHEET 78	E

2

LEGEND

UNDERDRAIN

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
13	309+57.81, 27.3' RT	TOP WEST END STREET LIGHT CONCRETE BASE	1222.18

REMOVE MH & SS

REMOVE INLET & SS

REMOVE INLET & SS

REMOVE INLET & SS

REMOVE INLET & SS

103+00

102+00

101+00

CONNOR STREET

P-54

P-55

P-56

P-57

P-51

P-52

P-50

P-53

12A STA 102+09.00, 19.0' LT
CB 2x3-FT-H

12B STA 102+11.70, 19.0' RT
CB 2x3-FT-H

12 STA 102+06.00, 14.7' RT
MH 4-FT DIA-J

11A STA 100+29.18, 29.1' LT
CB 2x3-FT-H-S

11B STA 100+69.50, 37.1' RT
INL 2x3-FT-H-S

11C STA 304+55.15, 24.0' LT
CB 4-FT DIA-H

STA 305+34.32, 35.2' LT
FIELD VERIFY PIPE LOCATION
CONCRETE COLLAR REQ'D
CONNECT TO EXIST 12" RCP

STA 305+00, 38.0' RT
AEW UNDERDRAIN 6-INCH REQ'D

TDS (TYP)

STA 307+50, 33.8' RT
AEW UNDERDRAIN 6-INCH REQ'D

11A1 STA 303+41.81, 30.0' RT
18" AEW

11C1 STA 304+53.77, 30.0' RT
18" AEW

SOLARUS

ALLIANT ENERGY (TYP)

SLOPE INTERCEPT (TYP)

VILLAGE OF AUBURNDALE (TYP)

VILLAGE OF AUBURNDALE (TYP)

BM 13

END PROJECT
6350-07-77
STA 309+50.41

MATCHLINE STA 303+00

304+00 305+00 306+00 307+00 308+00 309+00 310+00

CTH P CTH P

DENTAL CLINIC 5648

HSE 5640

HSE 5634

HSE 5617

SHED

DECK

GAR

GRAV

18" CMP

LABEL: CB - 11A
RIM: 1219.64'
SUMP: 1214.15'

LABEL: AEW - 11A1
INVERT: 1215.50'

LABEL: P - 50
UP. INVERT: 1216.15'
DN. INVERT: 1215.50'
L: 66'
SIZE: 18" SSPRC CL IV
S: 0.98 %

LABEL: INL - 11B
RIM: 1219.82'
SUMP: 1216.78'

LABEL: CB - 11C
RIM: 1220.67'
SUMP: 1214.61'

FIELD VERIFY PIPE LOCATION
CONNECT EXISTING 12" RCP TO CB 11C

LABEL: P - 51
UP. INVERT: 1216.97'
DN. INVERT: 1216.86'
L: 46'
SIZE: 15" SSPRC CL IV
S: 0.24 %

LABEL: P - 52
UP. INVERT: FIELD VERIFY
DN. INVERT: 1217.61'
L: 80'
SIZE: 12" SSPRC CL III
S: FIELD VERIFY

LABEL: CB - 11C
RIM: 1220.67'
SUMP: 1214.61'

LABEL: AEW - 11C1
INVERT: 1216.50'

LABEL: P - 53
UP. INVERT: 1216.61'
DN. INVERT: 1216.50'
L: 54'
SIZE: 18" SSPRC CL IV
S: 0.20 %

LABEL: CB - 12A
RIM: 1222.93'
SUMP: 1216.04'

LABEL: CB - 12B
RIM: 1223.00'
SUMP: 1218.04'

LABEL: MH - 12
RIM: 1223.20'
SUMP: 1216.45'

LABEL: P - 56
UP. INVERT: 1218.04'
DN. INVERT: 1217.70'
L: 34'
SIZE: 12" SSPRC CL III
S: 1.0 %

LABEL: P - 57
UP. INVERT: 1220.04'
DN. INVERT: 1220.00'
L: 7'
SIZE: 12" SSPRC CL III
S: 0.50 %

LABEL: MH - 12
RIM: 1223.20'
SUMP: 1216.45'

LABEL: EXIST MH TO BE REMOVED
RIM: 1222.42'

CONTRACTOR TO FIELD VERIFY ELEVATION CONNECT PIPE TO NEAREST EXISTING JOINT

CONTRACTOR TO FIELD VERIFY ELEVATION CONNECT PIPE TO NEAREST EXISTING JOINT

LABEL: P - 54
UP. INVERT: 1216.70'
DN. INVERT: 1216.65' (VERIFY)
L: 20'
SIZE: 24" SSPRC CL III
S: 0.25 %

LABEL: P - 55
UP. INVERT: 1216.88' (VERIFY)
DN. INVERT: 1216.86' (VERIFY)
L: 8'
SIZE: 24" SSPRC CL III
S: 0.25 % (VERIFY)

1230 1225 1220 1215 1210 1205 1200 1195 1190

2

STA 1059+74.85 - STA 1065+00.00

STRUCT NO	STATION	LOCATION	PAY LENGTH C-C FT	TO STRUCT NO	CATCH BASIN, INLET OR MANHOLE	TYPE	FLOW LINE/ RIM ELEV	TOP OF STRUCT ELEV	STRUCT DEPTH FT	DISCHARGE PIPE INLET ELEV	OUTLET ELEV	SIZE IN	INSTALL LENGTH FT	SLOPE %	REMARKS
11A	90+29.18	29.1' LT	66	11A1	CB	2X3-FT-H-S	1219.64	1218.73	4.58	1216.15	1215.50	18	66	0.98	
11A1	303+41.81	30.0' RT	-	-	-	AEW	-	-	-	-	-	18	-	-	18" AEW
11B	90+69.50	37.1' RT	46	11C	INL	2X3-FT-H-S	1219.82	1218.90	2.12	1216.97	1216.86	15	46	0.24	
EXIST	305+34.32	35.2' LT	80	11C	-	-	EXIST	-	-	EXIST	1217.61	12	80	EXIST	12" RCP FIELD VERIFY LOCATION
11C	232+55.15	24.0' LT	54	11C1	CB	4-FT-H	1220.67	1219.76	5.15	1216.61	1216.50	18	54	0.20	
11C1	304+53.77	30.0' RT	-	-	-	AEW	-	-	-	-	-	18	-	-	18" AEW
12	102+06.00	14.7' RT	28	-	MH	4-FT DIA-J	1223.20	1221.87	5.42	VERIFY	VERIFY	24	28	VERIFY	CONNECT 24" TO NEAREST JOINTS
12A	102+06.00	19.0' LT	34	12	CB	2X3-FT-H	1222.93	1222.01	5.97	1218.04	1217.70	12	34	1.0	
12B	102+11.70	19.0' RT	7	12	CB	2X3-FT-H	1223.00	1222.08	4.04	1220.04	1220.00	12	8	0.5	

MANHOLE	CATCH BASINS		INLETS	AEWS	INLET COVERS			SSPRC C-C CLASS III		SSPRC C-C CLASS IV		CONCRETE COLLAR
4-FT DIA	2x3-FT	4-FT DIA	2x3-FT	18-INCH	TYPE H	TYPE J	TYPE H-S	12-INCH	24-INCH	15-INCH	18-INCH	EACH
1	3	1	1	2	3	1	2	122	28	46	120	1

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

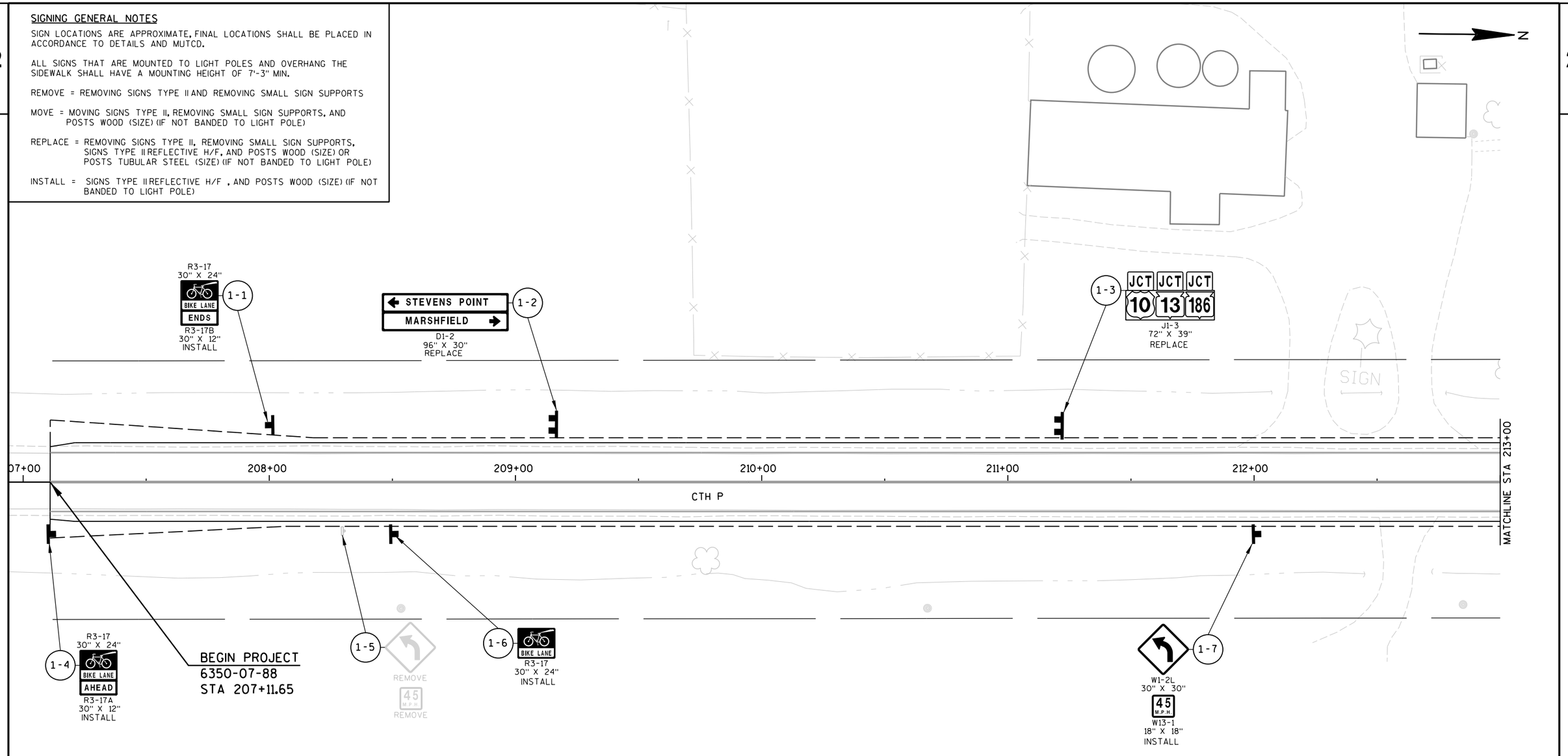
ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)



SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
*	BAND SIGN TO STREET LIGHT
(1)	FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 81	E

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

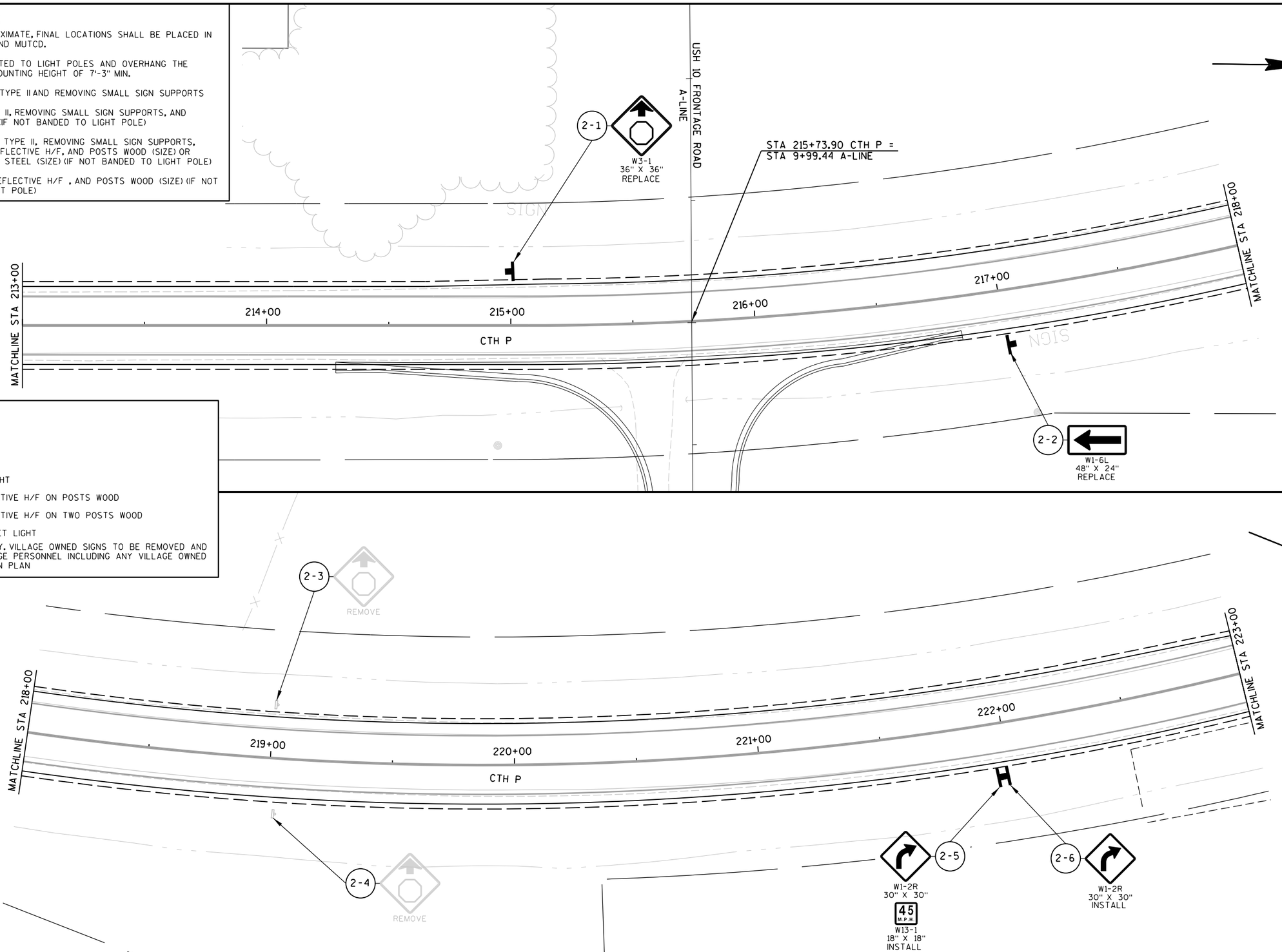
MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

SIGN LEGEND

- (X-X) SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
- * BAND SIGN TO STREET LIGHT
- (1) FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN



PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 82	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\023202 ps.dgn PLOT TIME : 9:17:47 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

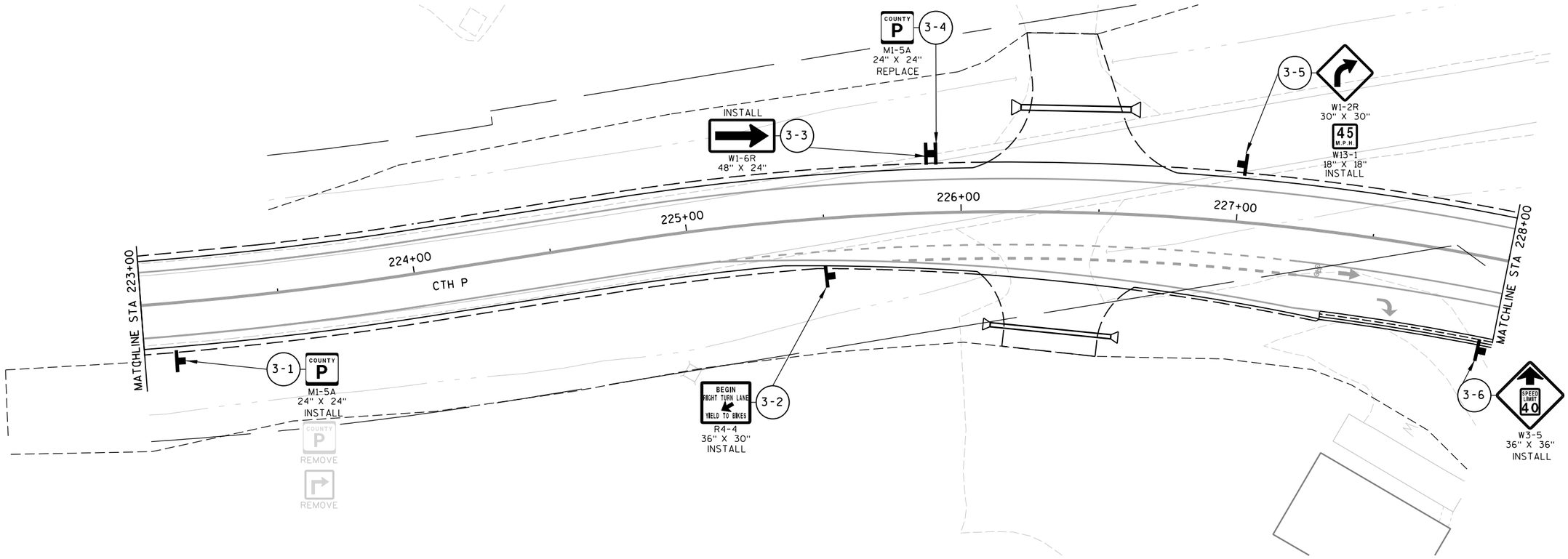
ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)



SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
*	BAND SIGN TO STREET LIGHT
①	FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 83	E

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

4-1 SPEED LIMIT 50 REMOVE

4-2 ARPIN RD / MARSHFIELD ST (1)

4-3 AUBURNDALE / STEVENS POINT REMOVE

4-4 STOP REMOVE

4-5 BIKE LANE R3-17 30" X 24" INSTALL

4-6 COUNTY P REMOVE

4-7 SPEED LIMIT 40 REMOVE

4-8 SPEED LIMIT 25 REMOVE

4-9 COUNTY P M1-5A 24" X 24" INSTALL

4-10 BIKE LANE R3-17 30" X 24" INSTALL

4-11 SPEED LIMIT 40 R2-1 24" X 30" INSTALL

MARSHFIELD ST

OLD MARSHFIELD ST

OLD USH 10

CTH P

MATCHLINE STA 228+00

MATCHLINE STA 234+00

118+00 119+00 120+00 121+00

229+00 230+00 231+00 232+00 233+00

N

SIGN LEGEND

- X-X — SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
- * — BAND SIGN TO STREET LIGHT
- (1) — FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 84	E

2

234+00
235+00
236+00
237+00
238+00
239+00
240+00
MATCHLINE STA 234+00
MATCHLINE STA 240+00
CTH P
5-1
BEGIN RIGHT TURN LANE
YIELD TO BIKES
R4-4
36" X 30"
INSTALL
5-2
REMOVE
5-3
TO 10
J2-1
24" X 57"
INSTALL
5-4
RIGHT LANE ENDS
REMOVE
5-5
REMOVE
5-6
COUNTY P
REMOVE
REMOVE

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE, FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

SIGN LEGEND

- (X-X) SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
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- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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241+00
242+00
243+00
244+00
245+00
246+00
MATCHLINE STA 240+00
MATCHLINE STA 246+00
CTH P
WISCONSIN CENTRAL LTD.
5-9
SPEED LIMIT 40
R2-1
24" X 30"
INSTALL
JCT
REMOVE
COUNTY M
REMOVE
5-7
END PROJECT 6350-07-88
BEGIN PROJECT 6350-07-77
STA 241+31.48
REMOVE
ROZELLVILLE
5-8
5-10
JCT
COUNTY M
J1-1
24" X 39"
INSTALL

PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 85	E

2

SIGNING GENERAL NOTES

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INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

N

2

CTH M

CTH P

MATCHLINE STA 246+00

MATCHLINE STA 252+00

247+00 248+00 249+00 250+00 251+00

6-1 COUNTY P
M1-5A
24" X 24"
REPLACE
BIKE LANE
R3-17
30" X 24"
INSTALL

6-2 COUNTY M
J13-1
24" X 45"
REPLACE

6-3 COUNTY P
M1-5A
24" X 24"
INSTALL

6-4 SPEED LIMIT 40
REMOVE

6-5 ROZELLVILLE
D1-1
78" X 15"
INSTALL

6-6 RIGHT LANE ENDS
REMOVE

6-7 COUNTY M
J13-1
24" X 45"
REPLACE

6-8
W1-7
48" X 24"
REPLACE
COUNTY P
REMOVE

6-9 RIGHT LANE ENDS
W9-1R
36" X 36"
INSTALL

6-10 COUNTY P
M1-5A
24" X 24"
REPLACE
BIKE LANE
R3-17
30" X 24"
INSTALL

6-11
REMOVE

SIGN LEGEND

- (X-X) SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 86	E

SIGNING GENERAL NOTES

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- EXISTING STREET LIGHT
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7-1 ROZELLVILLE → — D1-1, 78" X 15", REPLACE

7-2 JCT COUNTY M — J1-1, 24" X 39", INSTALL

7-3 SPEED LIMIT 40 — R2-1, 24" X 30", REPLACE

7-4 STOP — R1-1, 30" X 30", REPLACE

7-5 JCT COUNTY M — REMOVE

7-6 — W4-2R, 36" X 36", INSTALL

7-7 BEGIN RIGHT TURN LANE YIELD TO BIKES — R4-4, 36" X 30", INSTALL

7-8 SPEED LIMIT 35 — R2-1, 24" X 30", REPLACE

7-9 — REMOVE

7-10 — W11-2, 30" X 30" AHEAD; W16-9P, 24" X 12", INSTALL

E-Z AVENUE

CTH P

MATCHLINE STA 252+00

MATCHLINE STA 258+00

253+00 254+00 255+00 256+00 257+00 21+00

HSE 5998

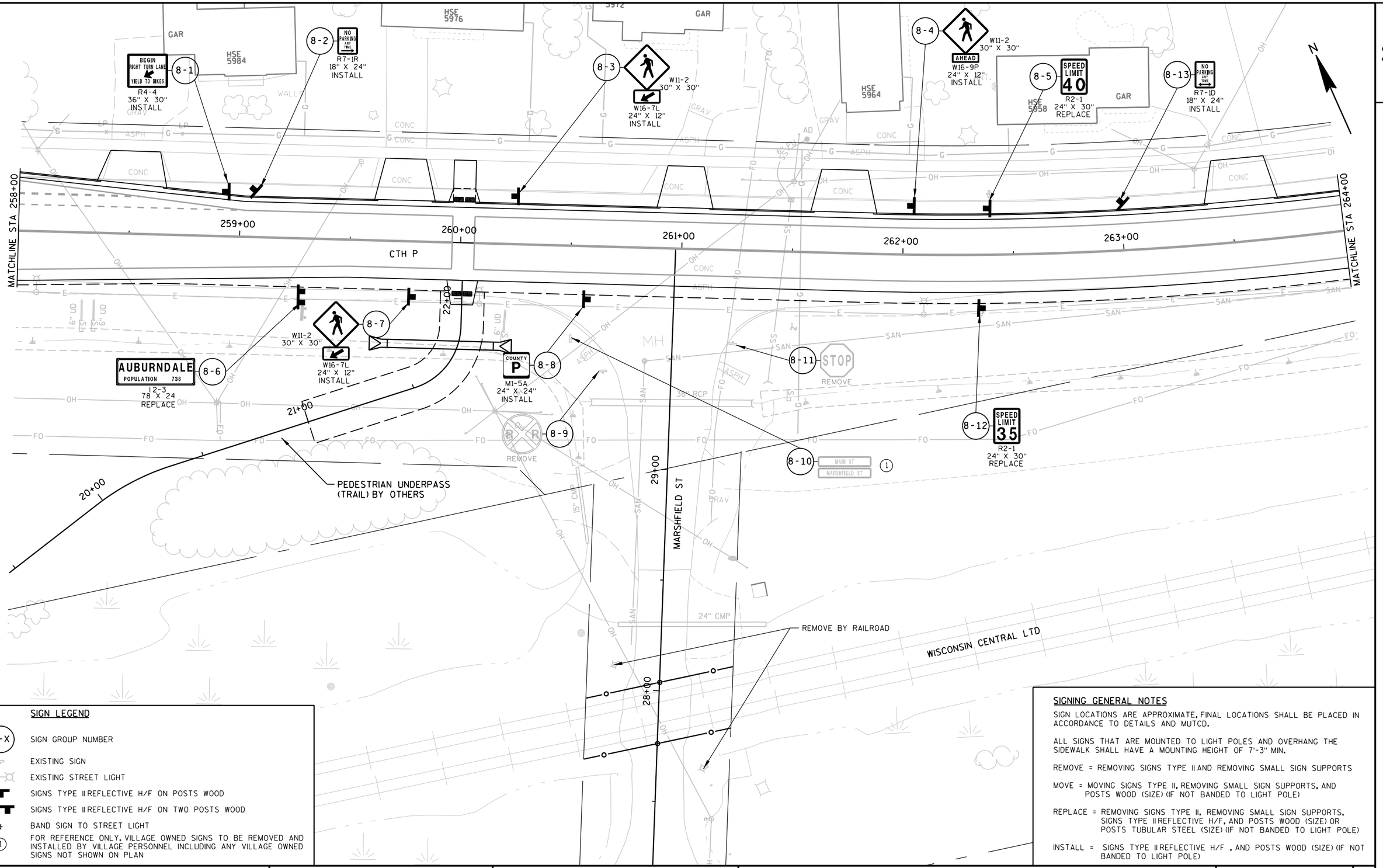
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PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 87	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\023207 ps.dgn PLOT TIME : 9:17:51 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2



SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
*	BAND SIGN TO STREET LIGHT
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SIGNING GENERAL NOTES

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INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 88	E

2

SIGNING GENERAL NOTES

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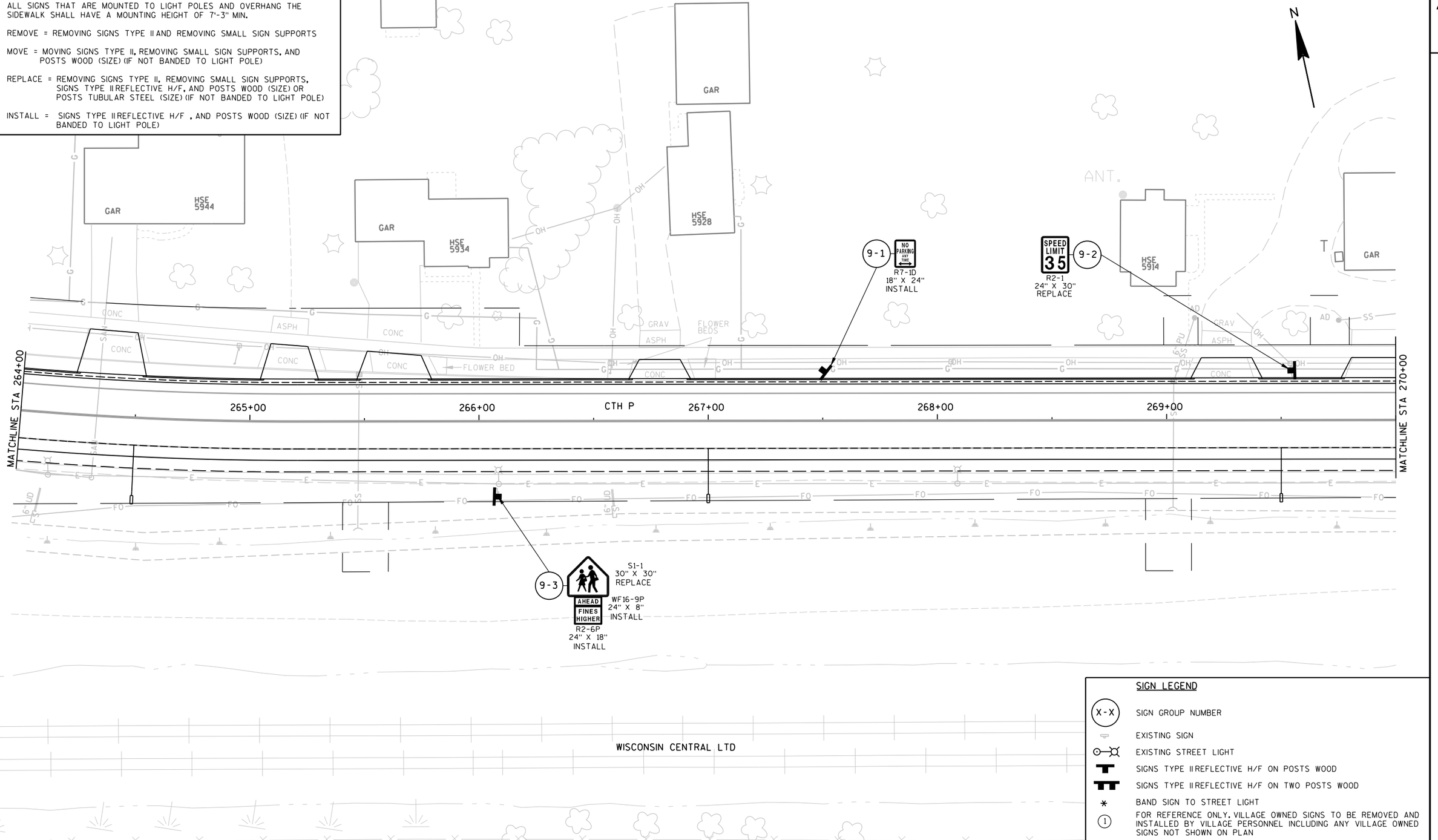
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INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)



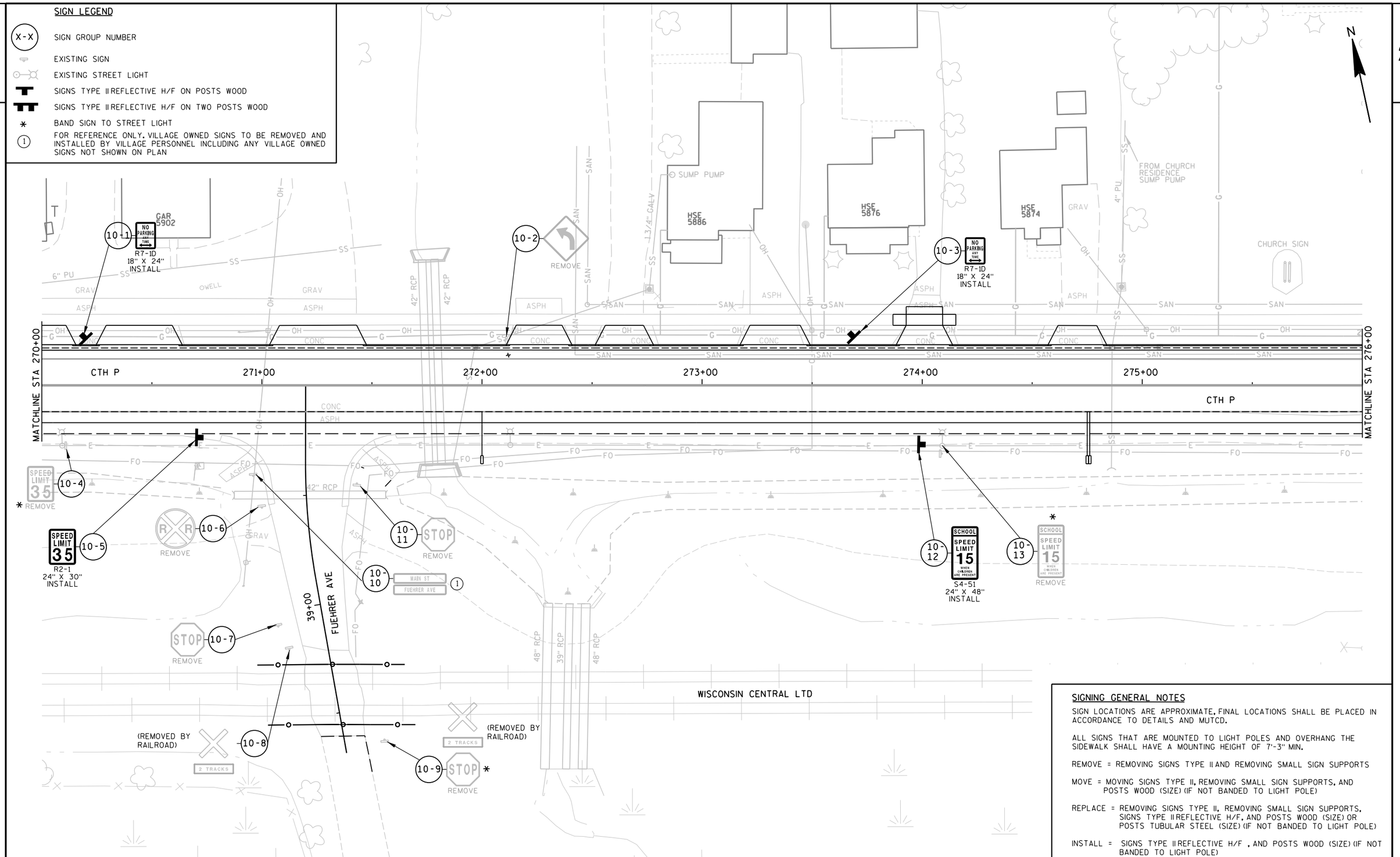
SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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2

SIGN LEGEND

- X-X — SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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SIGNING GENERAL NOTES

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INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 90	E

2

SIGNING GENERAL NOTES

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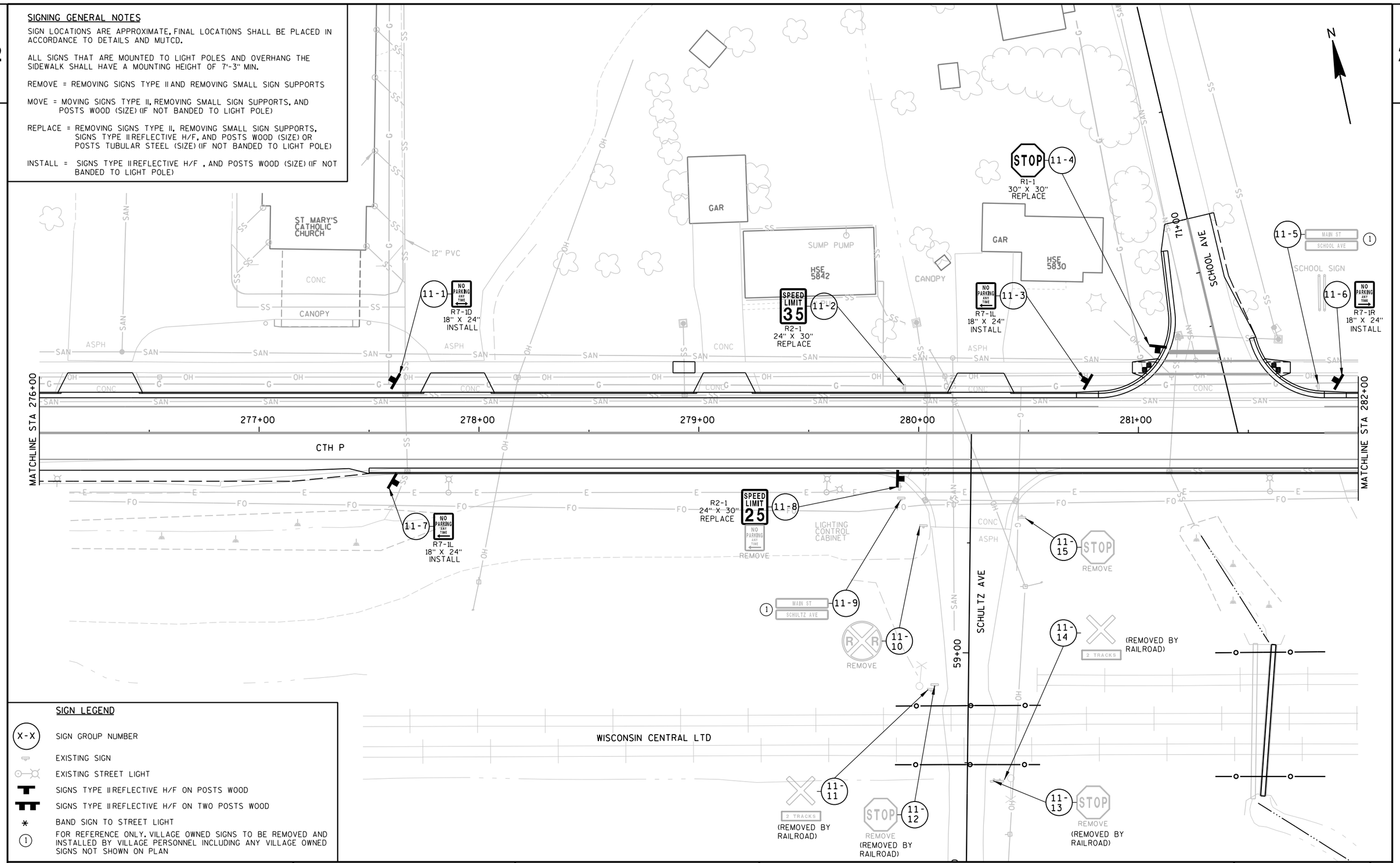
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INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)



SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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(1)	FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET E

FILE NAME : P:\UZ\W\Wifnc\111618\CAD\023211 ps.dgn PLOT TIME : 1:53:37 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A
WISDOT/CADDS SHEET 42

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

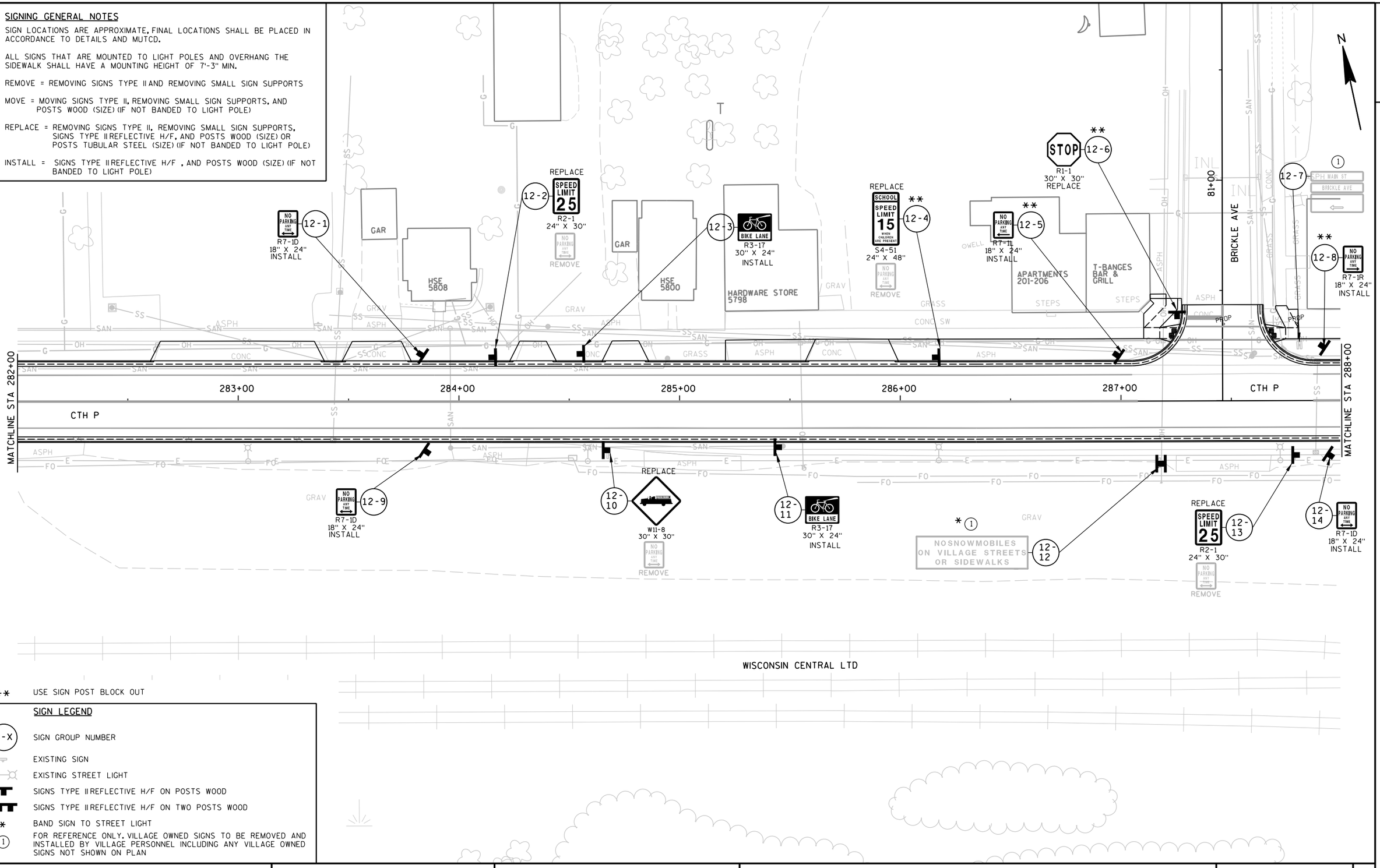
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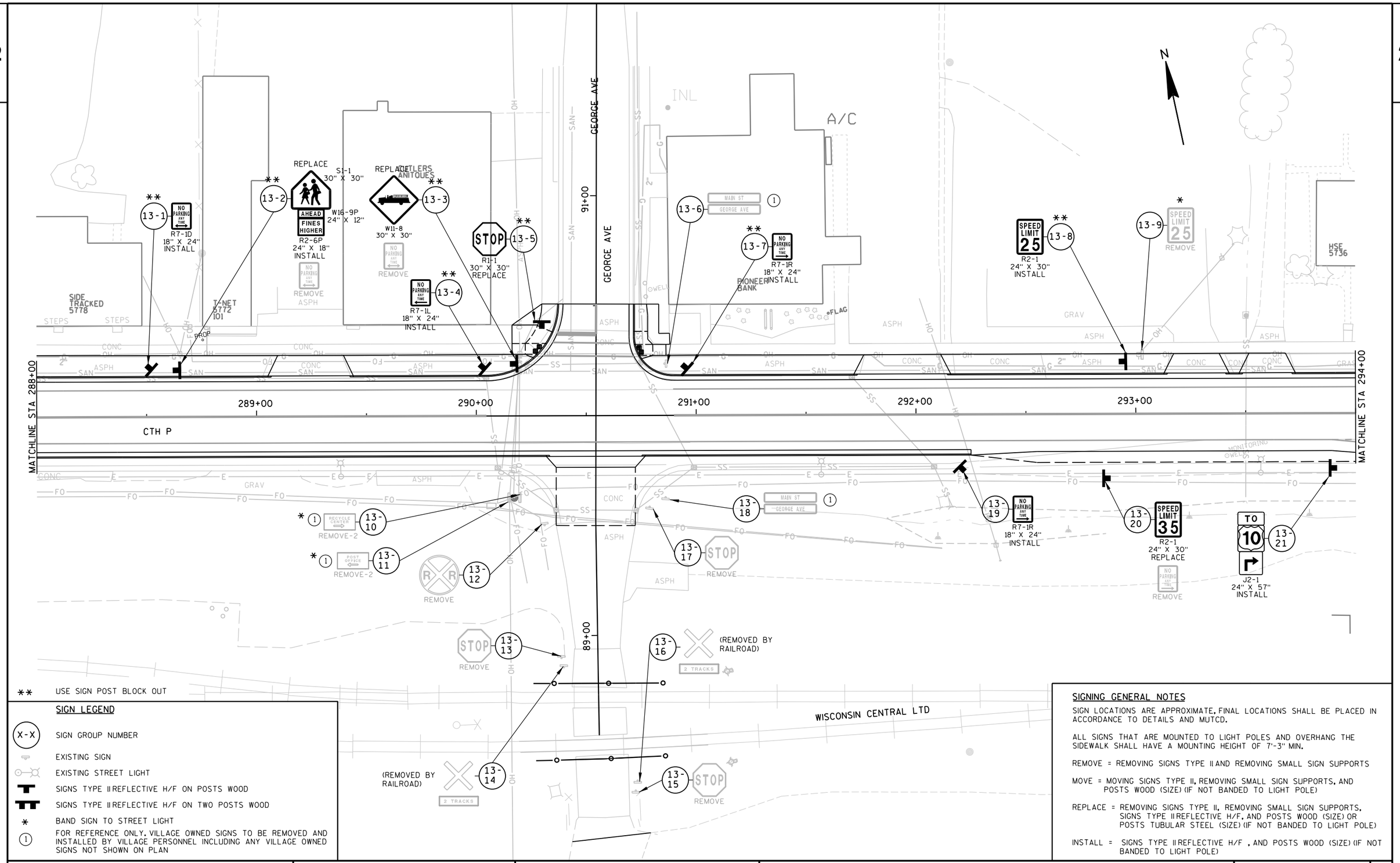
** USE SIGN POST BLOCK OUT

SIGN LEGEND

- (X-X) SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 92	E

2



** USE SIGN POST BLOCK OUT

SIGN LEGEND

- (X-X) SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 93	E

2

SIGNING GENERAL NOTES

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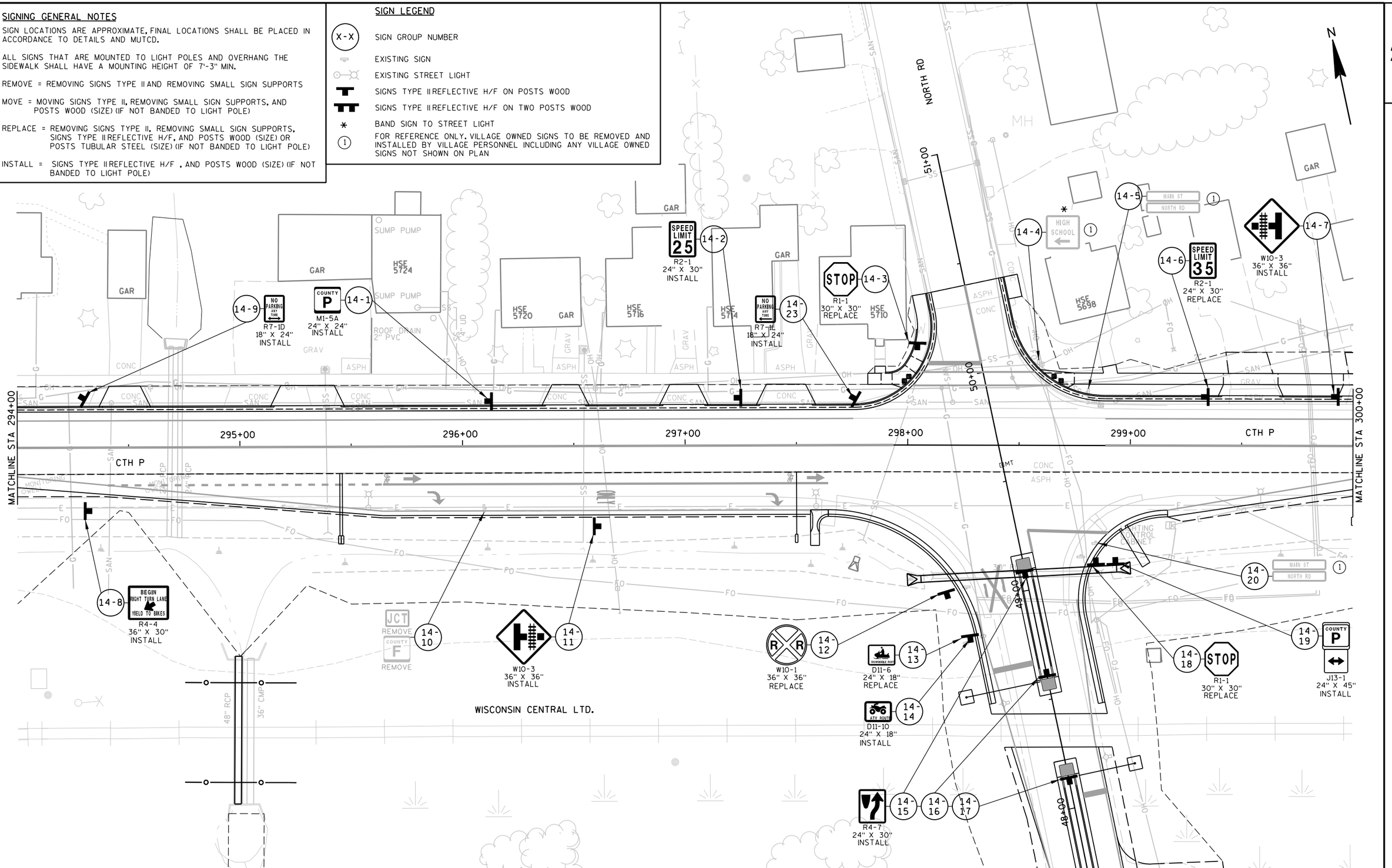
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SIGN LEGEND

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PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 94	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\023214 ps.dgn PLOT TIME : 9:17:56 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

SIGNING GENERAL NOTES

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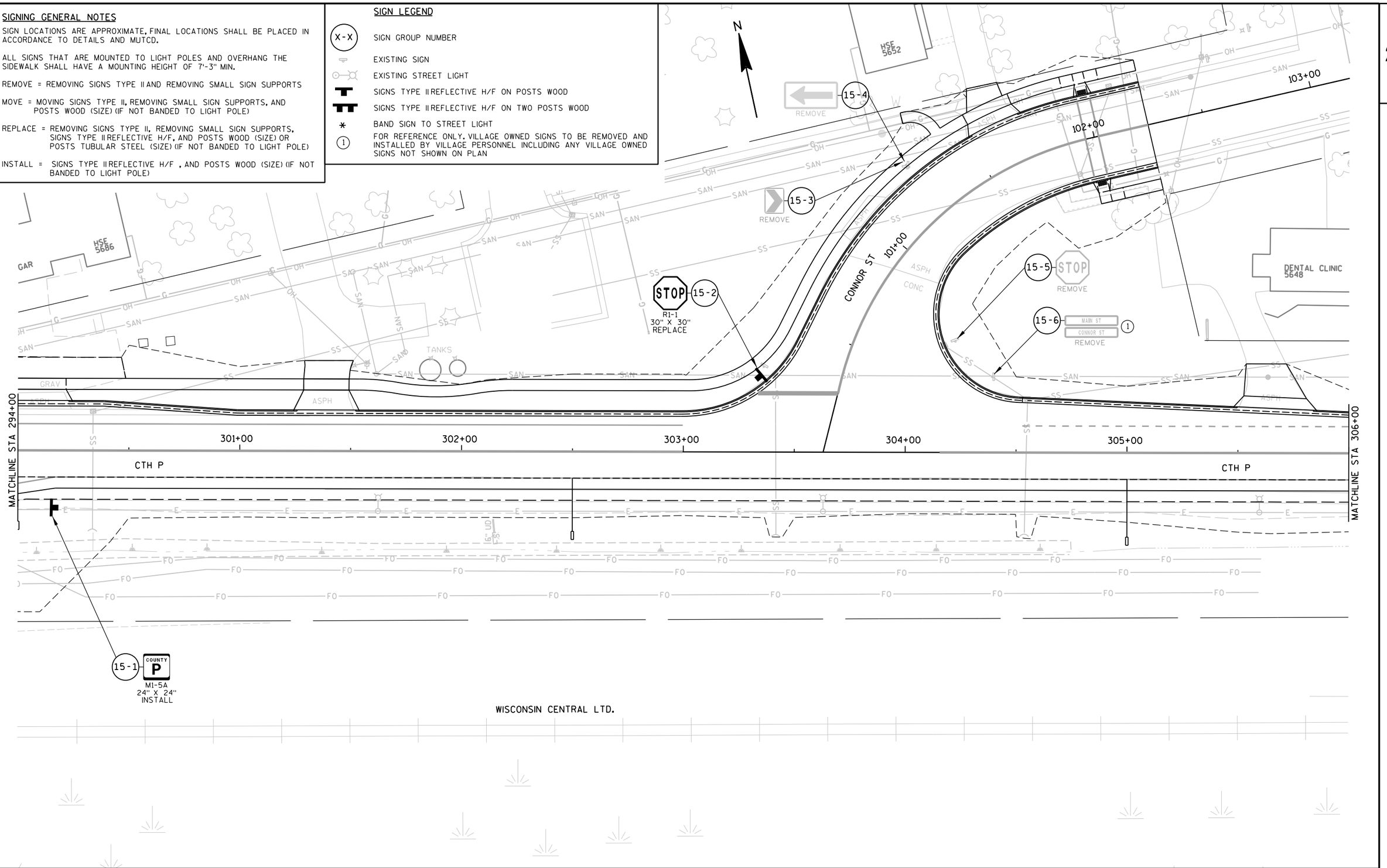
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INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

SIGN LEGEND

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- EXISTING SIGN
- EXISTING STREET LIGHT
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- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
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- (1) FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 95	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\023215 ps.dgn PLOT TIME : 9:17:57 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

SIGNING GENERAL NOTES

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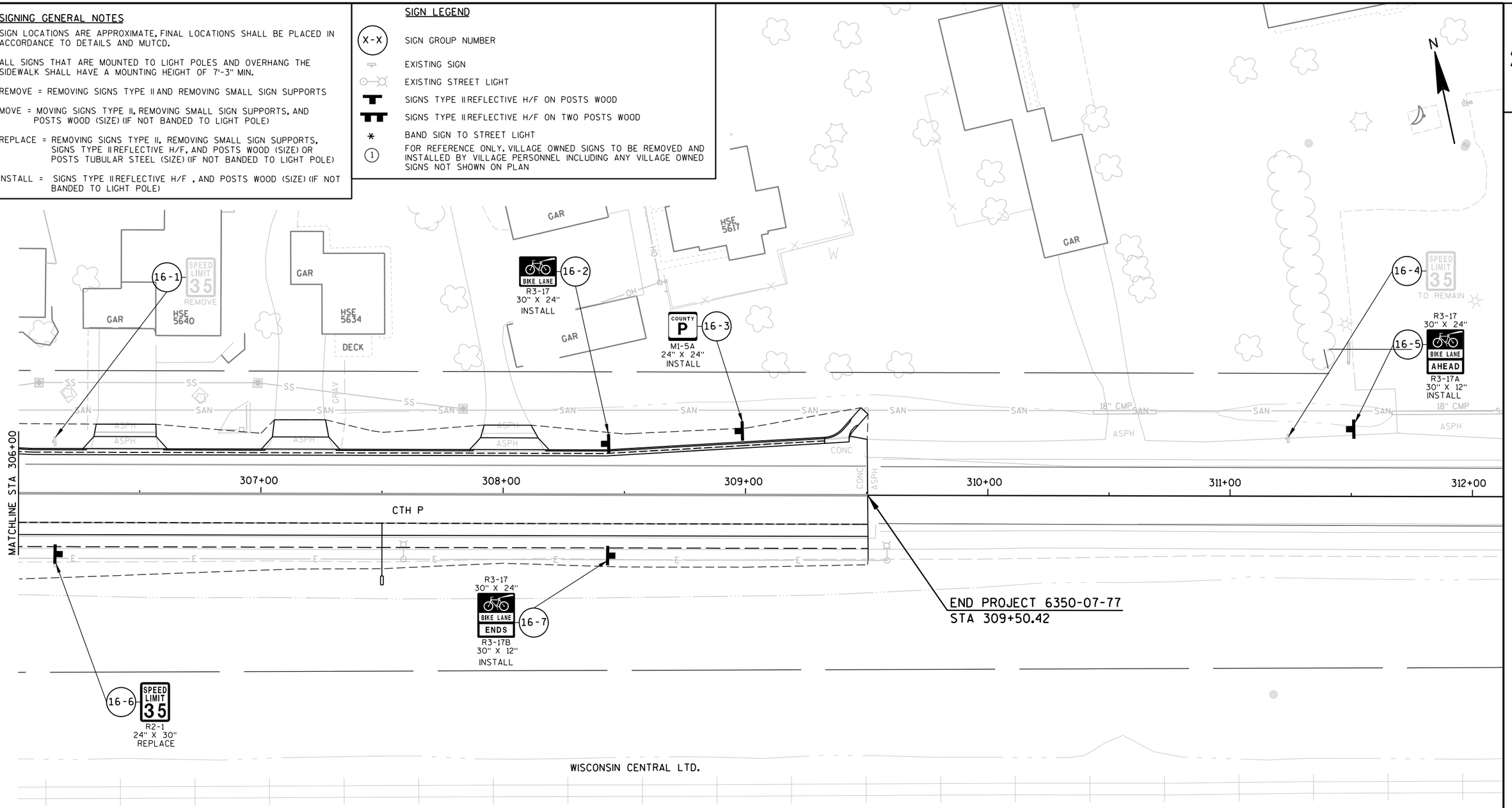
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- X-X — SIGN GROUP NUMBER
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PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 96	E

2

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE, FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

SIGN LEGEND

- X-X — SIGN GROUP NUMBER
- EXISTING SIGN
- EXISTING STREET LIGHT
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
- * — BAND SIGN TO STREET LIGHT
- (1) — FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN

N

17-1 R3-17 30" X 24" BIKE LANE AHEAD R3-17A 30" X 12" INSTALL

17-2 R3-17 30" X 24" BIKE LANE ENDS R3-17B 30" X 12" INSTALL

17-3 H D9-2 24" X 24" M6-1 21" X 21" REPLACE

17-4 BIKE LANE R3-17 30" X24" INSTALL

17-5 JCT COUNTY P J1-1 24" X 39" INSTALL

17-6 BIKE LANE R3-17 30" X24" INSTALL

17-7 TO 10 COUNTY P J3-2 48" X 57" INSTALL

17-8 AUBURNDALE STEVENS POINT REMOVE

17-9 50 REMOVE

17-10 STOP R1-1 30" X 30" INSTALL

17-11 TO COUNTY P 10 J3-2 48" X 57" INSTALL

17-12 STOP R1-1 30" X 30" INSTALL

MARSHFIELD STREET

MATCHLINE STA 114+00

MATCHLINE STA 120+00

CTH P

222+00 +00 +50.0 223+00 109+00 224+00 110+00 225+00 111+00 226+00 227+00 228+0C 112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 230+00 231+

200'

SIGN

FO OH SAN

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 97	E

FILE NAME : P:\UZ\W\Wifnc\111618\CAD\023217 ps.dgn PLOT TIME : 9:17:58 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

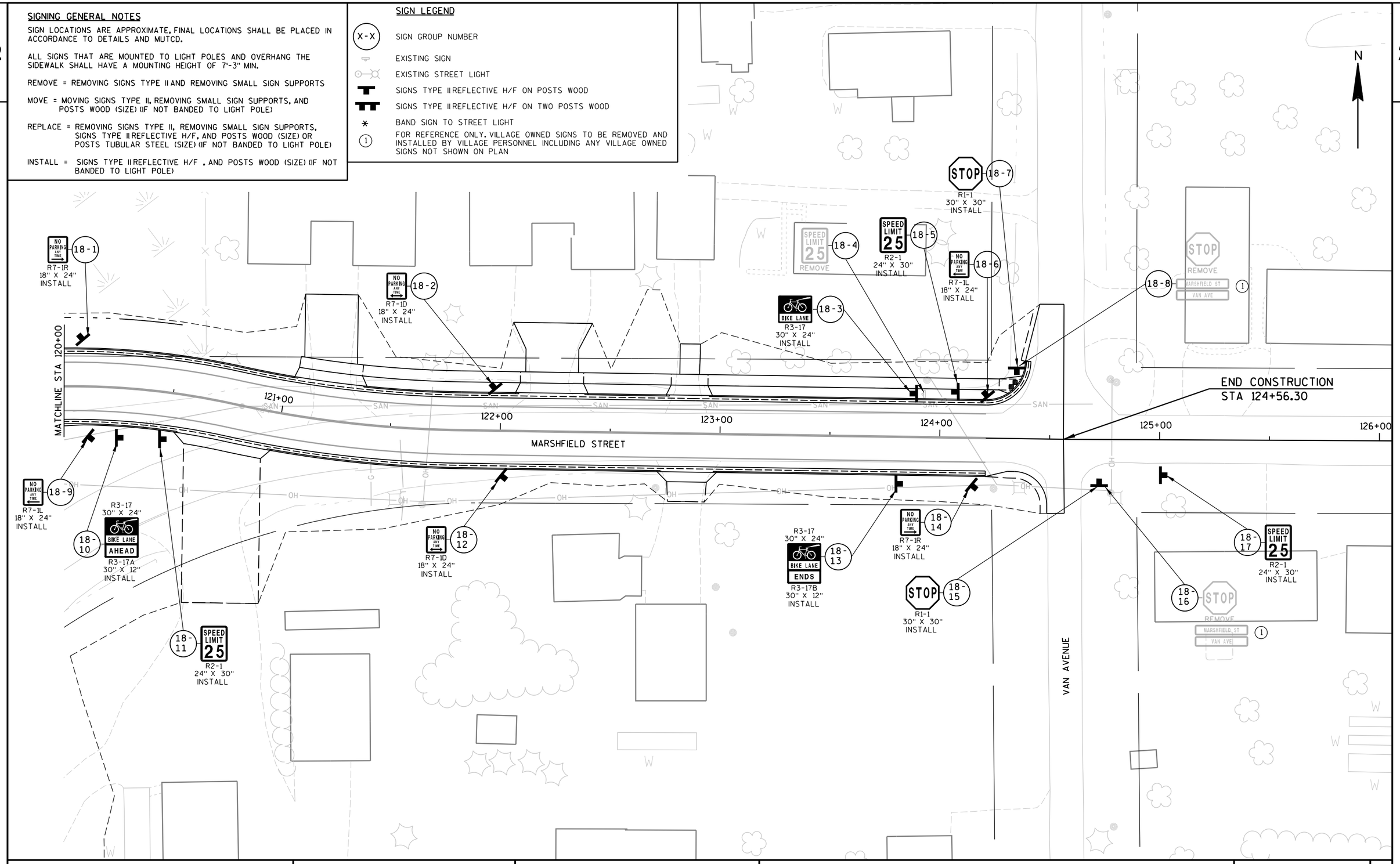
MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
*	BAND SIGN TO STREET LIGHT
1	FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN



PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 98	E

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

ALL SIGNS THAT ARE MOUNTED TO LIGHT POLES AND OVERHANG THE SIDEWALK SHALL HAVE A MOUNTING HEIGHT OF 7'-3" MIN.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

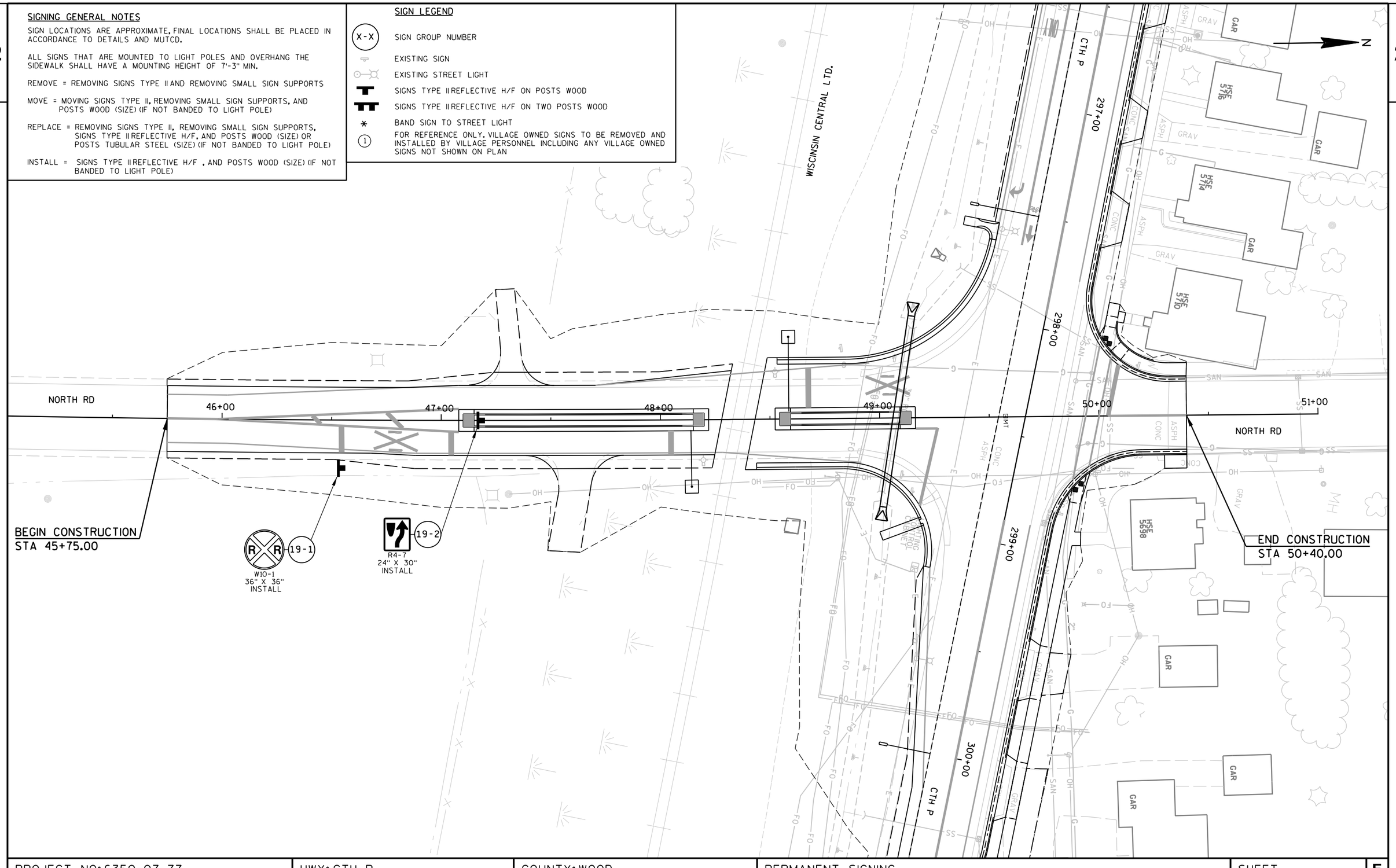
MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS TYPE II REFLECTIVE H/F, AND POSTS WOOD (SIZE) OR POSTS TUBULAR STEEL (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS TYPE II REFLECTIVE H/F , AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

SIGN LEGEND

(X-X)	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
*	BAND SIGN TO STREET LIGHT
(1)	FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\023219 ps.dgn PLOT TIME : 9:18:00 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

VILLAGE SIGNS, WHICH ARE NOT A PART OF THIS PLAN, WILL BE REMOVED BY OTHERS.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT/SIGNAL POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS REFLECTIVE TYPE II, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS REFLECTIVE TYPE II, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
*	BAND SIGN TO STREET LIGHT
1	FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN

N

20-1 REMOVE

20-2 REMOVE

20-3 REMOVE REMOVE

20-4 REMOVE

18" CMP

EXISTING US 10

229+00

230+00

231+00

232+00

233+00

234+00

EXISTING US 10

20-7 STOP 20-8 REMOVE

20-5 REMOVE

24" CMP

115+00

MARSHFIELD STREET

116+00

20-6 REMOVE

EXISTING STH 186

20-9 REMOVE REMOVE

233+00

CTH P

234+00

232+00

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 100	E

SIGNING GENERAL NOTES

SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND MUTCD.

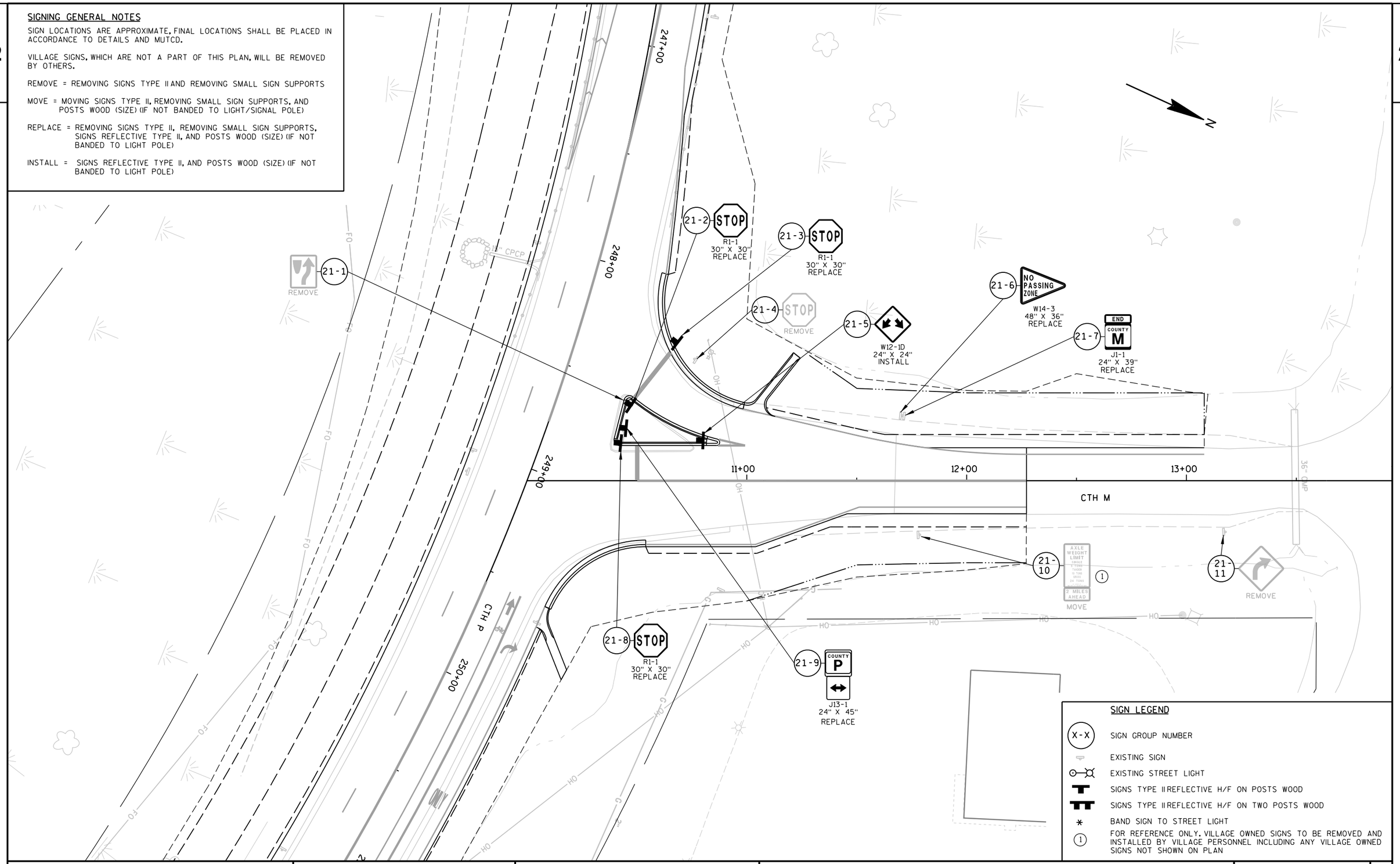
VILLAGE SIGNS, WHICH ARE NOT A PART OF THIS PLAN, WILL BE REMOVED BY OTHERS.

REMOVE = REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

MOVE = MOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT/SIGNAL POLE)

REPLACE = REMOVING SIGNS TYPE II, REMOVING SMALL SIGN SUPPORTS, SIGNS REFLECTIVE TYPE II, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)

INSTALL = SIGNS REFLECTIVE TYPE II, AND POSTS WOOD (SIZE) (IF NOT BANDED TO LIGHT POLE)



SIGN LEGEND

X-X	SIGN GROUP NUMBER
	EXISTING SIGN
	EXISTING STREET LIGHT
	SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
	SIGNS TYPE II REFLECTIVE H/F ON TWO POSTS WOOD
*	BAND SIGN TO STREET LIGHT
1	FOR REFERENCE ONLY. VILLAGE OWNED SIGNS TO BE REMOVED AND INSTALLED BY VILLAGE PERSONNEL INCLUDING ANY VILLAGE OWNED SIGNS NOT SHOWN ON PLAN

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET 101	E

LEGEND

CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED (SCHEDULE 80, 2-INCH UNDER ROADWAY)

PROPOSED LIGHTING UNIT

PULL BOXES STEEL, 24X42-INCH

EXISTING LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL (RELOCATE EXISTING AS NOTED)

REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES AND REMOVING CONCRETE BASES (REFERENCE PLAN NOTES)

- CONTROL CABINET DESIGNATION (EX=EXISTING)
- POLE NUMBER
- LIGHTING CIRCUITS

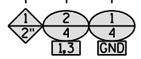
X-X-(X,X)

STA. XXX+XX.XX, XX.X' RT. — LOCATION (TO CENTER OF POLE)

X-X(T)-TRUSS XX'

- LUMINAIRE ARM LENGTH (TRUSS TYPE)
- POLE TYPE (T=WITH TRANSFORMER BASE) (MATCHING CONCRETE BASE TYPE)
- LUMINAIRE DESIGNATION (LED)

- CONDUIT QUANTITY / SIZE
- PHASE CONDUCTOR QUANTITY/SIZE (AWG) / CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY / SIZE (AWG)



PLAN NOTES

(1) THE CONTRACTOR SHALL RELOCATE THE EXISTING SERVICE METER/LIGHTING CONTROL CABINET TO NEW LOCATION INDICATED IN NOTE 2. COORDINATION WITH THE LOCAL UTILITY COMPANY AND THE VILLAGE OF AUBURNDALE IS REQUIRED. THE POWER OUTAGE SHOULD BE SCHEDULED WITH A MINIMUM OF ONE WEEK ADVANCED NOTICE. THE OUTAGE, RELOCATION AND TEMPORARY CONNECTION TO THE EXISTING LIGHTING SYSTEM SHOULD TAKE PLACE THE SAME DAY TO ENSURE NO NIGHT TIME LIGHTING DISRUPTION. THE INTENT IS TO HAVE THE LOCAL UTILITY COMPANY TURN POWER BACK ON TO THE EXISTING LIGHTING SYSTEM ON THE SAME DAY. REFER TO THE "GENERAL INTENT NOTES" FOR FURTHER WORK THAT MAY BE AFFECTED BY THIS RELOCATION. A SECOND POWER OUTAGE SHALL BE REQUIRED TO SWITCH OVER TO THE NEW LIGHTING SYSTEM FOLLOWED UP BY THE REMOVAL OF THE EXISTING LIGHTING SYSTEM PER NOTE 3. REMOVE THE EXISTING CONCRETE CABINET BASE AND DISPOSE OF OFF SITE (PAID FOR UNDER BID ITEM "REMOVE AND RELOCATE EXISTING SERVICE METER/LIGHTING CONTROL CABINET").

(2) PROPOSED LOCATION OF RELOCATED SERVICE METER/LIGHTING CONTROL CABINET. PROVIDE A NEW CONCRETE BASE IN KIND AT THE NEW LOCATION PER THE LOCAL UTILITY COMPANY'S REQUIREMENTS. WORK RELATED TO THE NEW CONCRETE CABINET BASE SHALL BE INCLUDED UNDER THE BID ITEM "REMOVE AND RELOCATE EXISTING SERVICE METER/LIGHTING CONTROL CABINET."

(3) AFTER THE NEW LIGHTING SYSTEM IS COMPLETED AND FUNCTIONAL, DISCONNECT THE WIRING IN THE EXISTING LIGHTING POLE BASE AND REMOVE THE LIGHT POLE ASSEMBLY (INCLUDING, BUT NOT LIMITED TO TRANSFORMER BASE, POLE, ARM, BANNER ARMS AND LIGHT FIXTURES). SALVAGE AND TRANSPORT THE LIGHT POLE ASSEMBLIES TO A LOCATION DETERMINED BY THE VILLAGE OF AUBURNDALE, WHICH COULD BE UP TO 2 MILES FROM THE PROJECT LIMITS (REFERENCE THE SPECIAL PROVISIONS FOR FURTHER INFORMATION ON THE REMOVAL AND SALVAGING OF THE LIGHT POLE ASSEMBLIES). REMOVE ALL WIRING BETWEEN POLE BASES (INCLUDING UP TO CONTROL CABINETS) AND DISPOSE OF OFF SITE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM BID ITEM "REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES." ALL UNDERGROUND CONDUIT CAN BE ABANDONED IN PLACE UNLESS IT INTERFERES WITH WORK RELATED TO THE PROJECT. ANY CONDUIT REMOVALS THAT ARE NECESSARY IS CONSIDERED INCIDENTAL TO THE "REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES" LUMP SUM BID ITEM. ALL CONCRETE BASES SHALL BE REMOVED AND DISPOSED OF OFF SITE (PAID FOR UNDER BID ITEM "REMOVING CONCRETE BASES").

(4) THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY TO HAVE THE UTILITY COMPANY REMOVE THE WOOD POLE, ARM, LIGHTING FIXTURE, OVERHEAD SERVICE AND WIRES BACK TO THE ADJACENT UTLITY POLE TRANSFORMER. COSTS FOR THIS WORK SHALL BE PAID FOR BY THE VILLAGE OF AUBURNDALE.

(5) IN ADDITION TO THE REQUIRED WORK DESCRIBED IN NOTE 3, DISCONNECT, REMOVE & SALVAGE THE FLOOD LIGHT AND TRANSPORT TO A LOCATION DETERMINED BY THE VILLAGE OF AUBURNDALE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM BID ITEM "REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES."

(6) IN ORDER TO ACCOMMODATE ROAD WORK, PERFORM REMOVAL WORK DESCRIBED IN NOTE 3 AT THIS LOCATION BEFORE OTHER ELECTRICAL WORK. PROVIDE AN ABOVE GROUND RIGID NONMETALLIC SCHEDULE 80 2-INCH CONDUIT (PAID FOR UNDER STANDARD BID ITEM) STAKED TO THE GROUND BETWEEN EXISTING UNDISTURBED LIGHT POLES EX-LP22 AND NEW LIGHT POLE 22 AND ALSO BETWEEN LIGHT POLES EX-LP26 AND NEW LIGHT POLE 24. INSTALL NEW LIGHT POLE ASSEMBLIES 22, 23, & 24 (INCLUDING THE CONCRETE BASES), PULL BOXES PB-2, PB-3, & PB-4 AND THE CONDUIT CONNECTING THOSE ITEMS (PAID UNDER SEPERATE BID ITEMS). PROVIDE TEMPORARY WIRING TO THE EXISTING LIGHTING SYSTEM FROM RELOCATED CONTROL CABINET EX LCB2, THROUGH PULL BOXES PB-2, PB-3 & PB-4, THROUGH NEW LIGHT POLE ASSEMBLIES 22, 23, & 24, AND THROUGH THE TEMPORARY CONDUIT TO EX-LP22 AND EX-LP26 WITH A MINIMUM #6 AWG WIRE (PAID FOR UNDER STANDARD BID ITEM) AND CONNECT WIRES TO EXISTING LIGHT POLES. THE REMOVAL OF THE TEMPORARY CONDUIT AND #6 WIRE SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM BID ITEM "REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES."

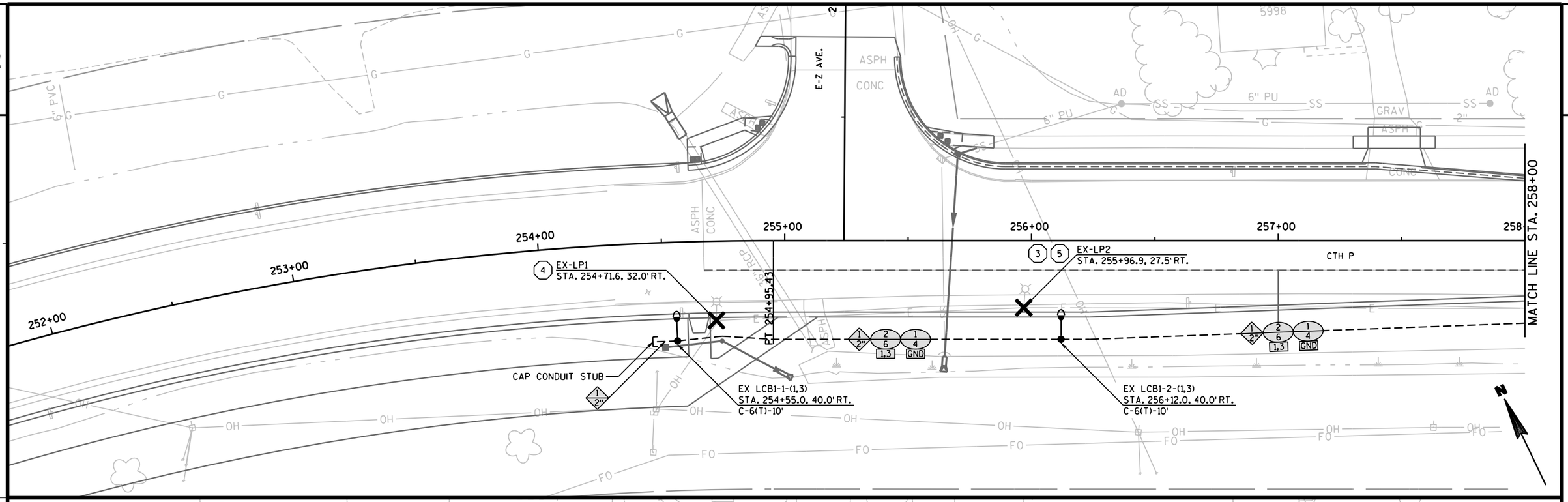
GENERAL INTENT NOTES

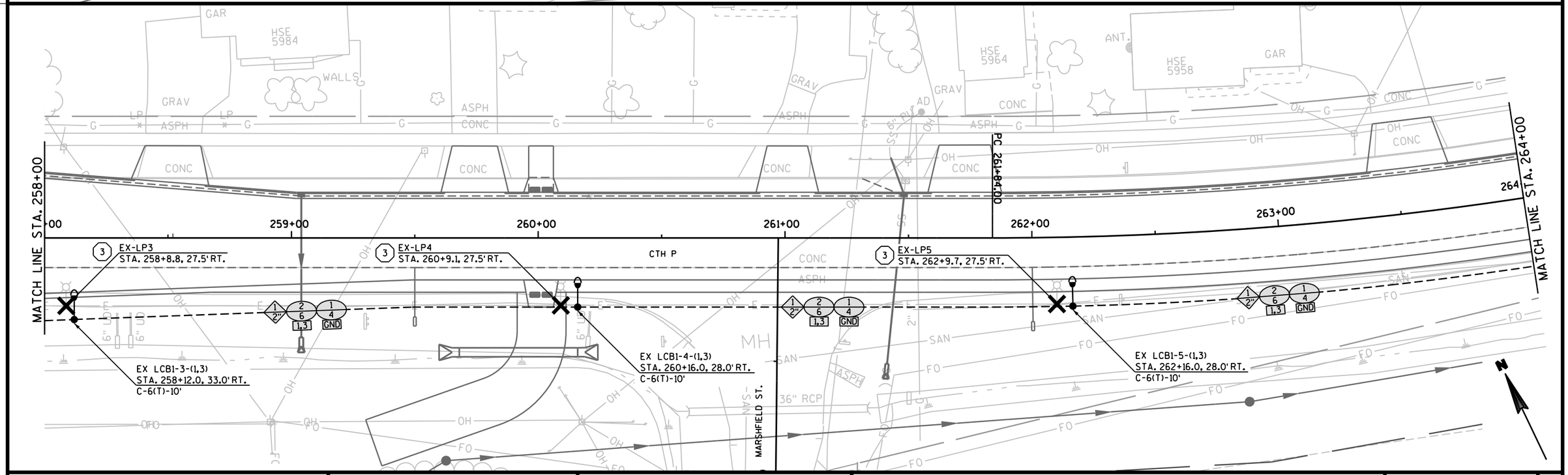
1. INSTALL AND COMPLETE THE NEW LIGHTING SYSTEM PRIOR TO PERFORMING A SECOND POWER OUTAGE TO DISCONNECT THE EXISTING LIGHTING IN PREPERATION FOR ITS REMOVAL.

2. THE DEMOLITION AND SALVAGE WORK OF THE EXISTING LIGHTING SYSTEM IS TO TAKE PLACE AFTER THE NEW LIGHTING SYSTEM IS FUNCTIONAL.

3. MAINTAIN ROADWAY ILLUMINATION ALONG THE ENTIRE LENGTH OF THE PROJECT EVERY NIGHT FOR THE DURATION OF THE PROJECT.

4. ALL ELECTRICAL LIGHTING WORK SHALL NOT INTERFERE WITH TRAFFIC FLOW. THE CONTRACTOR SHALL NOT CLOSE ANY LANES OF TRAFFIC TO PERFORM THE ELECTRICAL/LIGHTING WORK. SHOULD ANY UNFORESEEN TRAFFIC ISSUES ARISE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE VILLAGE OF AUBURNDALE AND THE ENGINEER AT LEAST ONE WEEK IN ADVANCE TO DISCUSS THE MATTER FOR DIRECTION FROM THE VILLAGE.



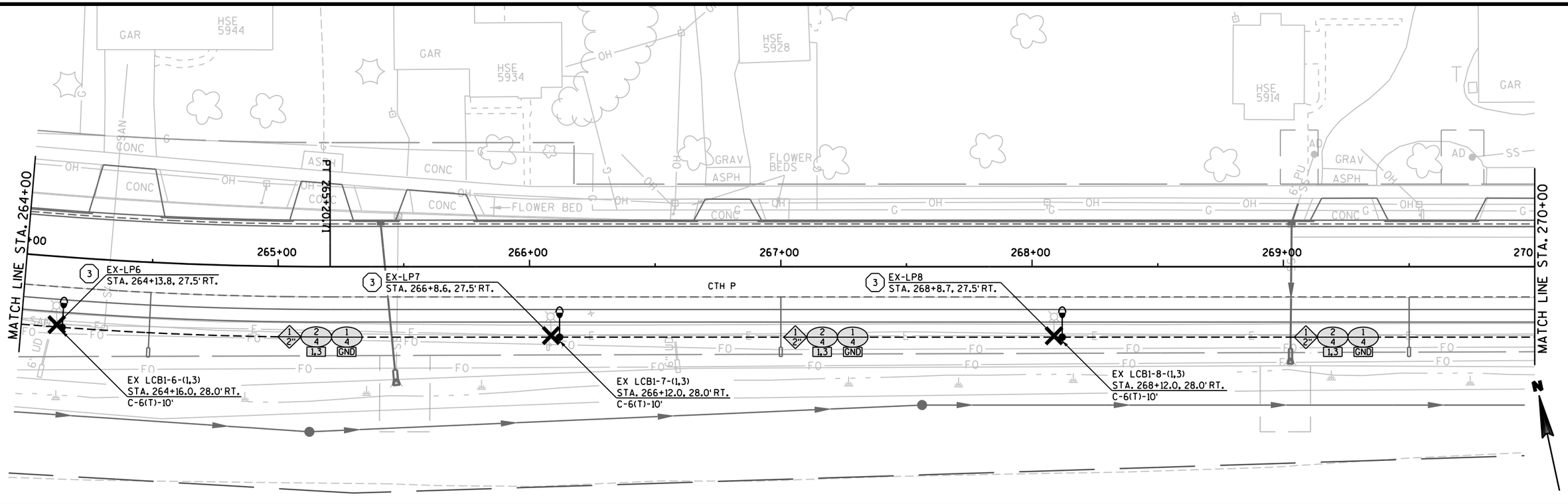


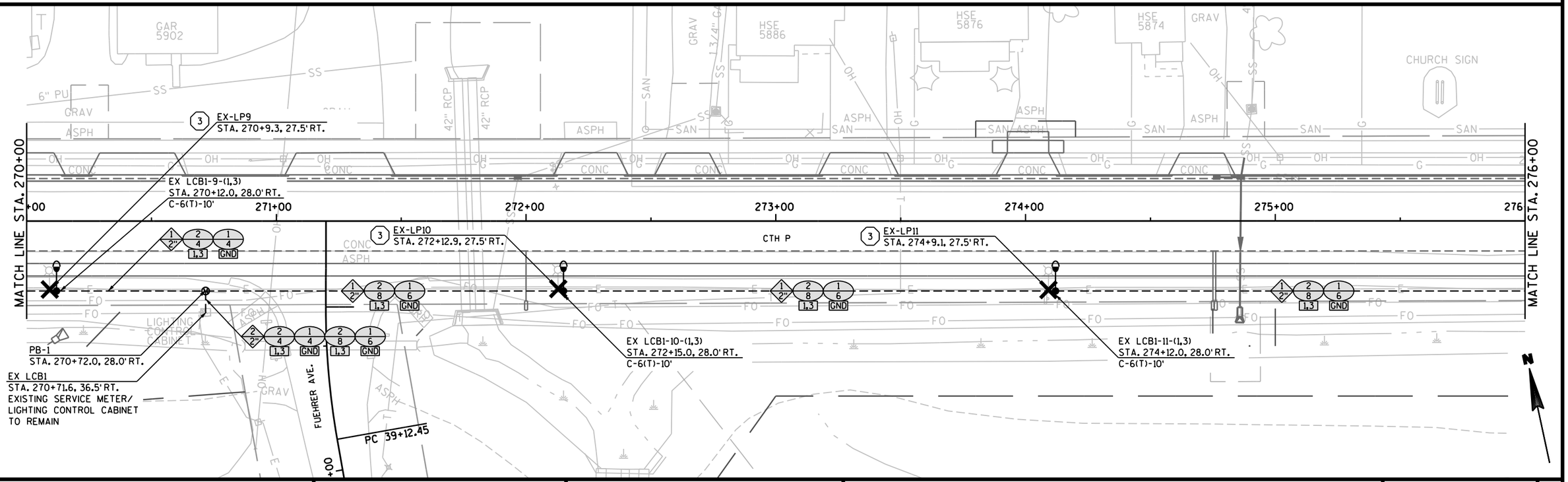
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STREET LIGHTING	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

Street Lighting_01.dgn 11/9/2015 6:05:40 AM jdolens

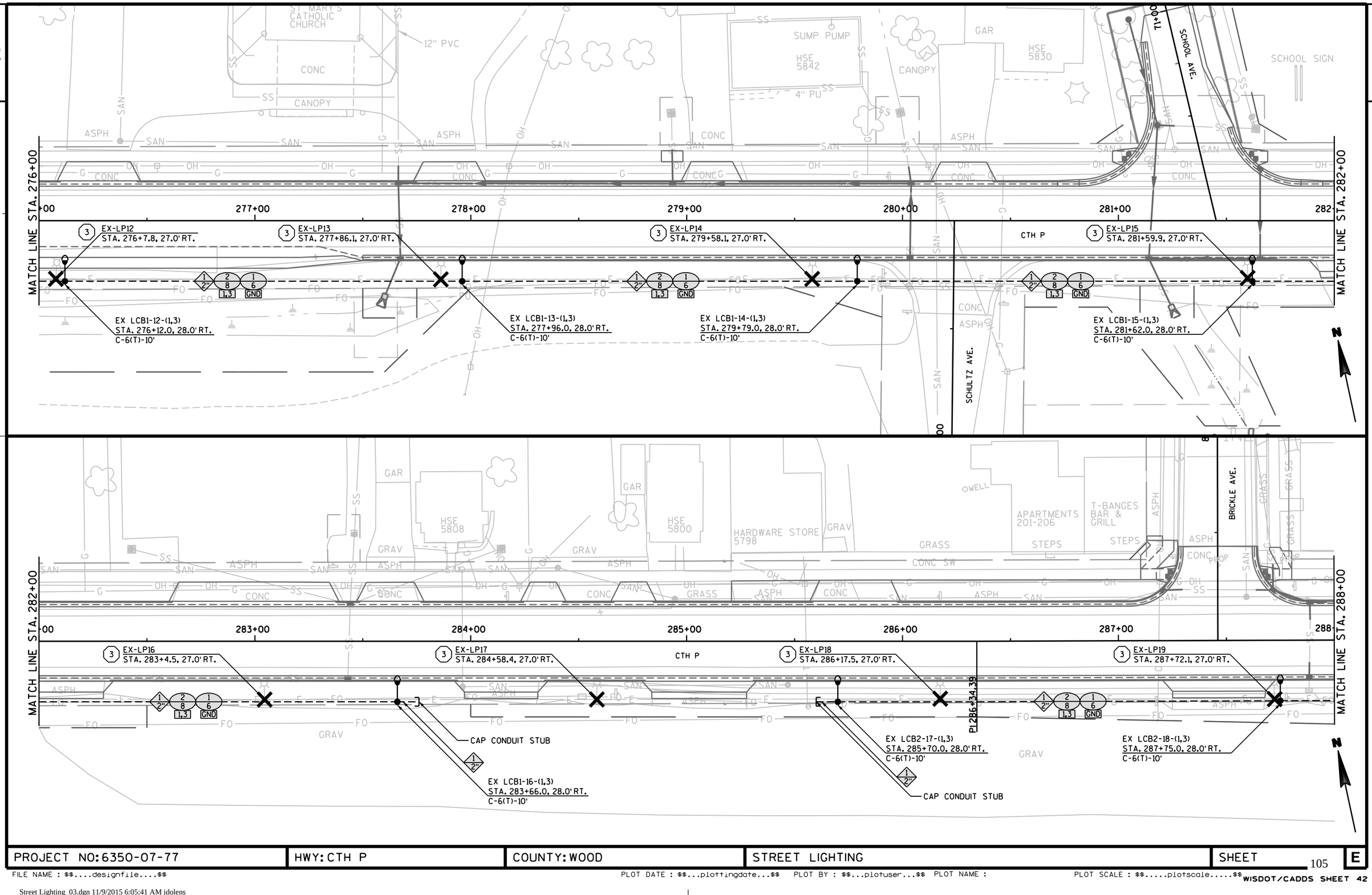




PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STREET LIGHTING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Street Lighting_02.dgn 11/9/2015 6:05:40 AM jdolens

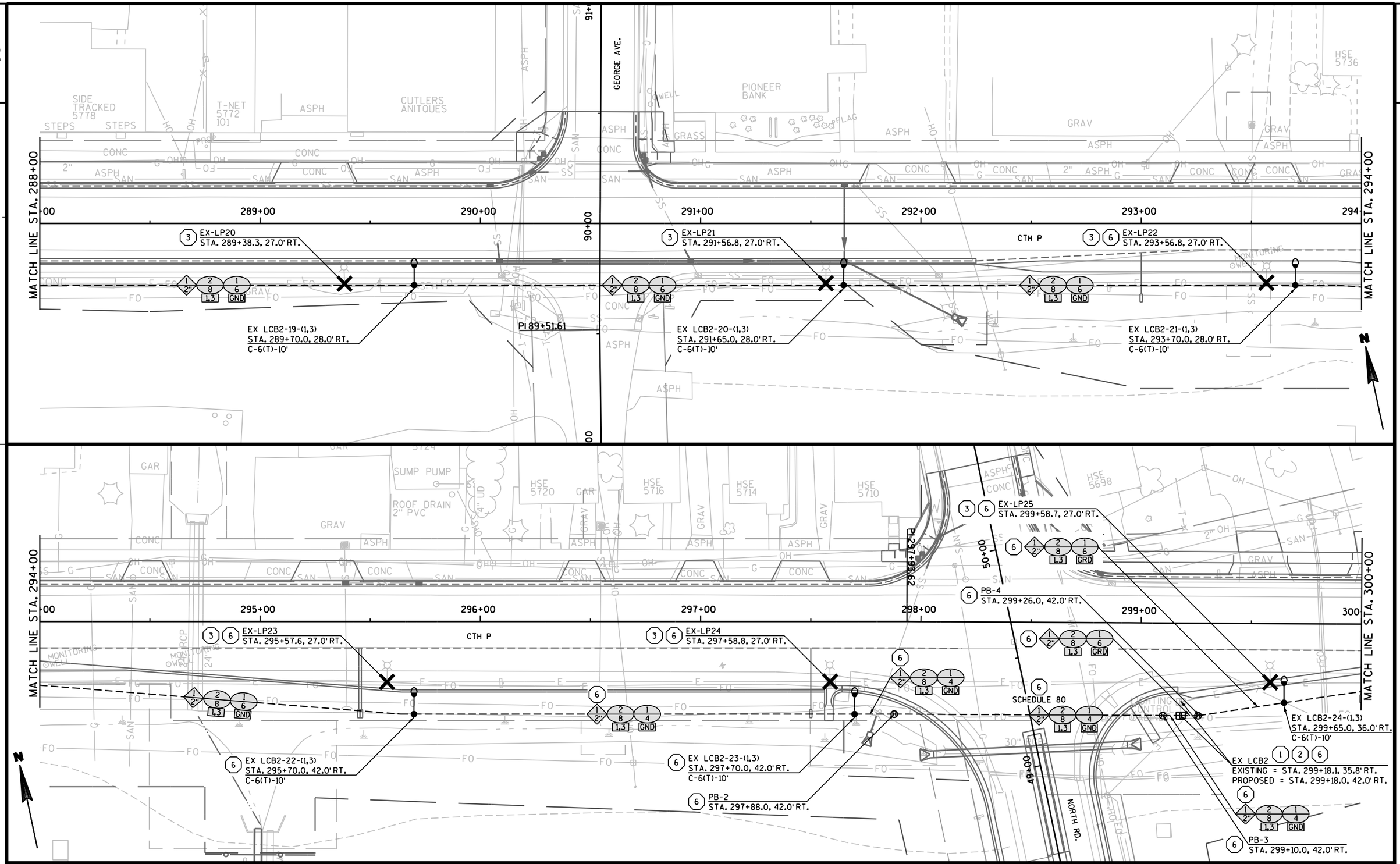


PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STREET LIGHTING	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

Street Lighting_03.dgn 11/9/2015 6:05:41 AM jdolens

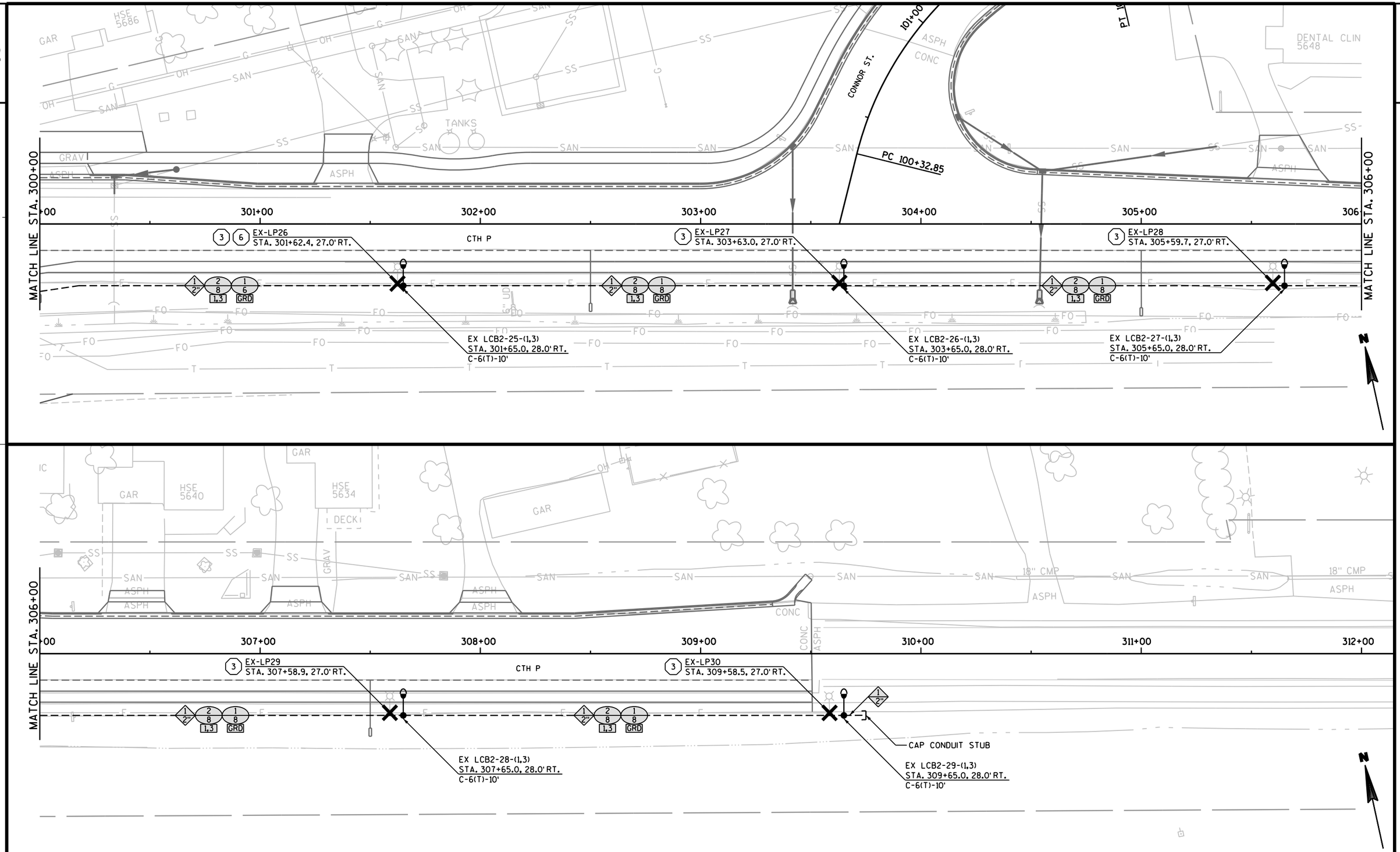


PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STREET LIGHTING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

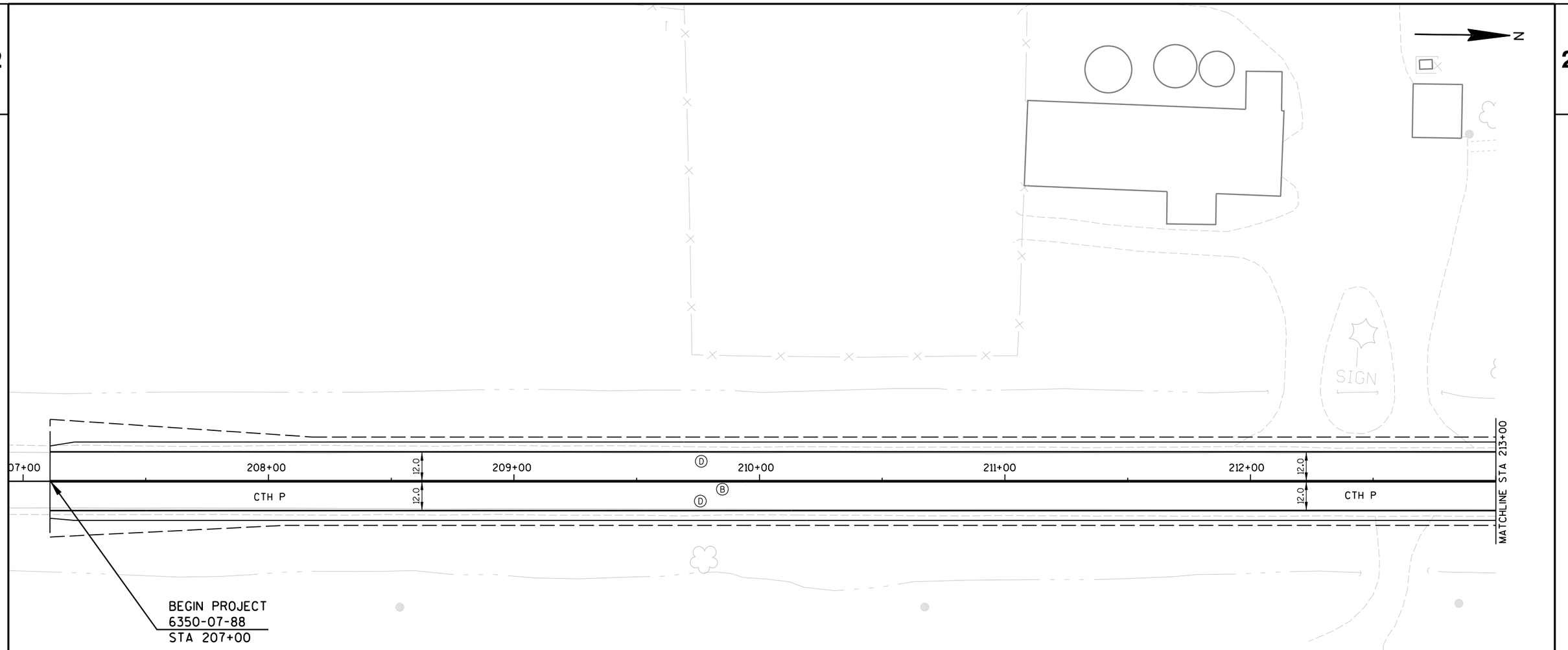
WISDOT/CADDS SHEET 42

Street Lighting_04.dgn 11/9/2015 6:05:42 AM jdolens



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	STREET LIGHTING	SHEET 107	E

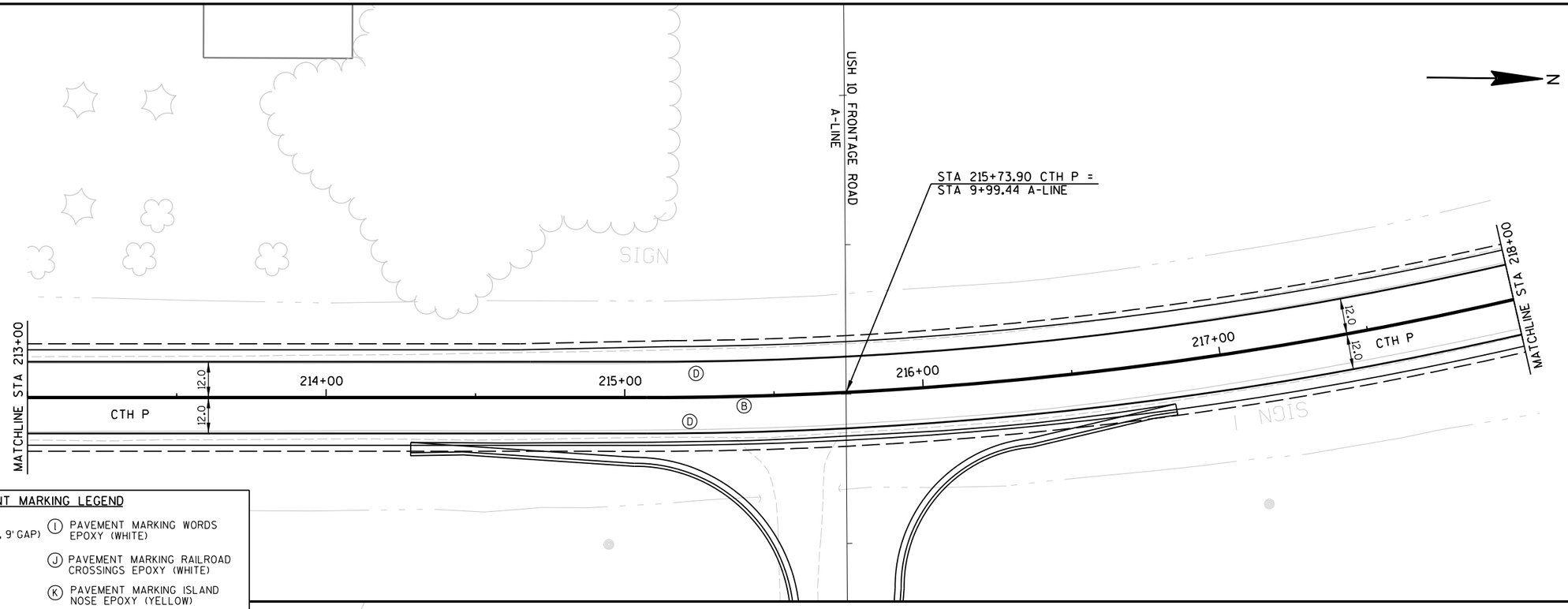
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PAVEMENT MARKING LEGEND

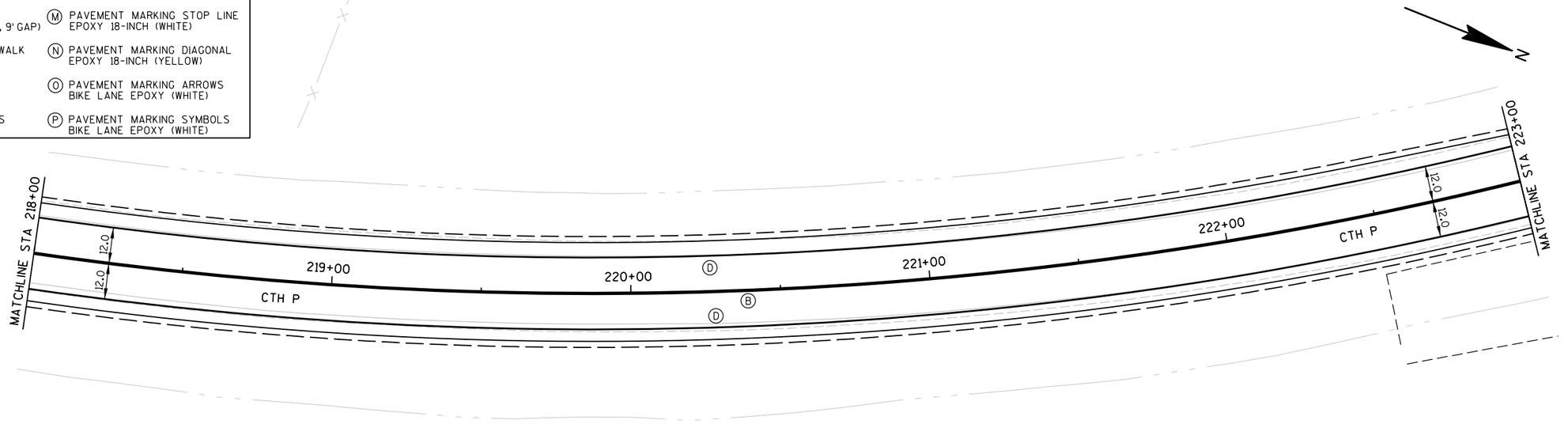
- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

2



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

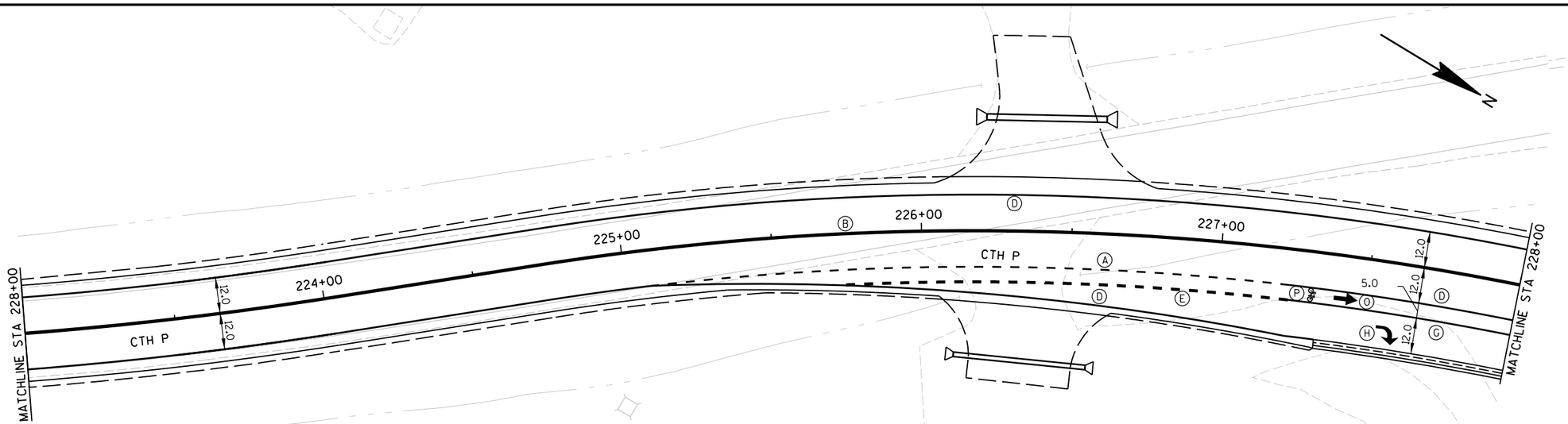


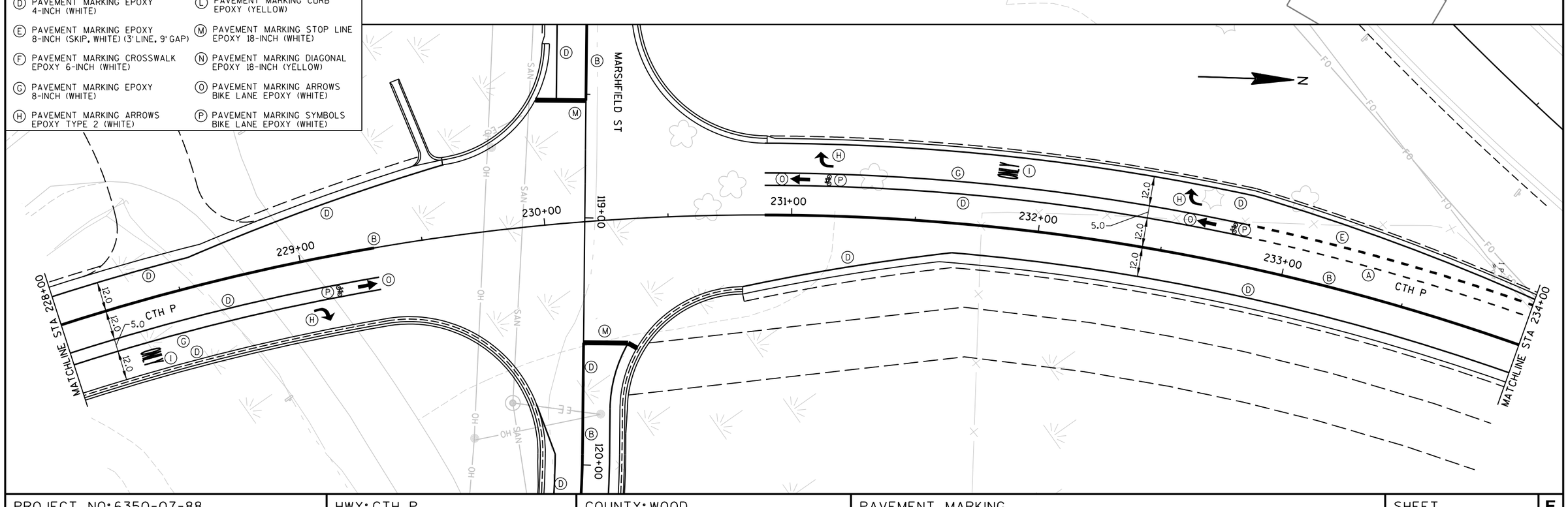
PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 109	E

2

PAVEMENT MARKING LEGEND

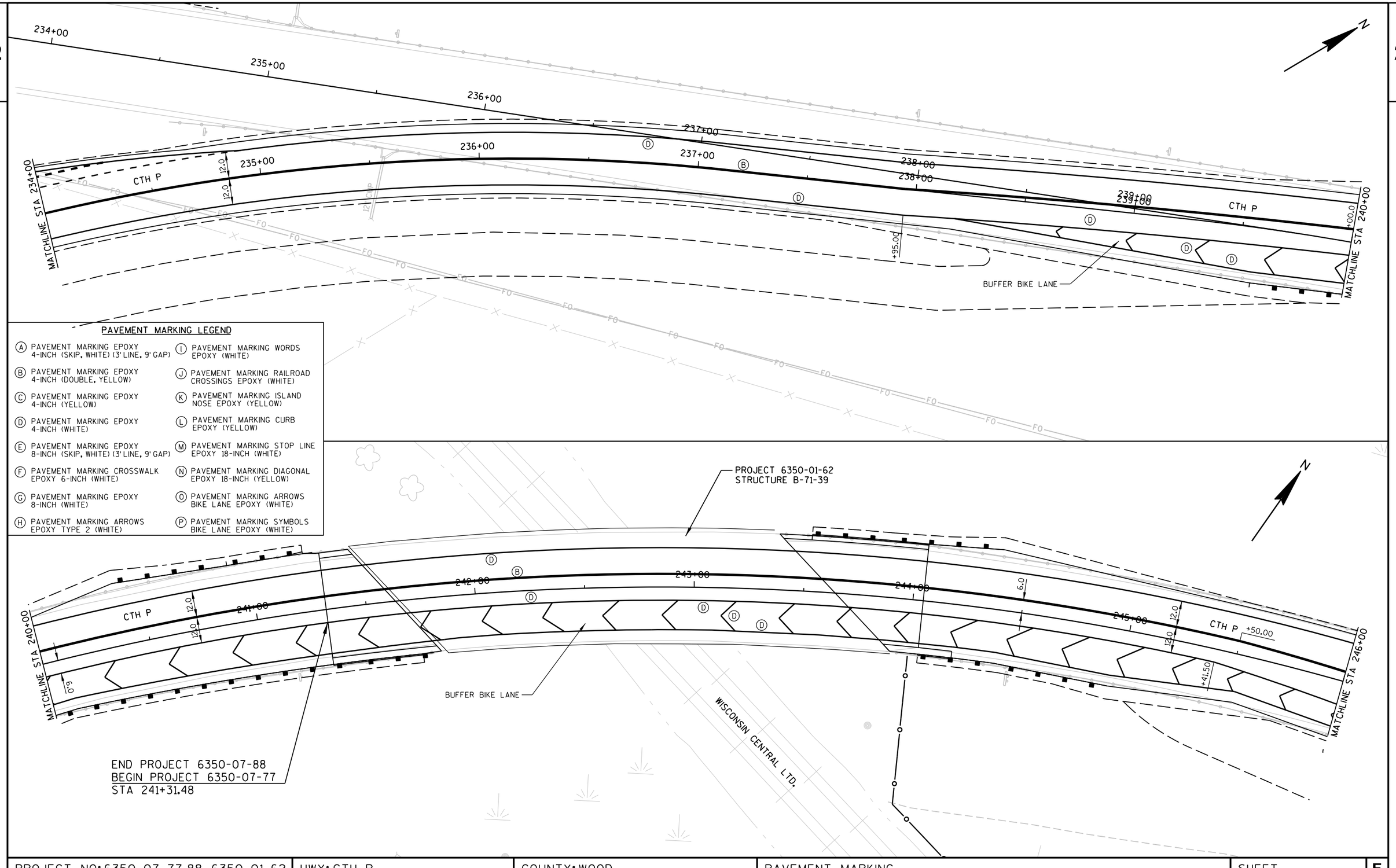
- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)





PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 110	E

2



PAVEMENT MARKING LEGEND

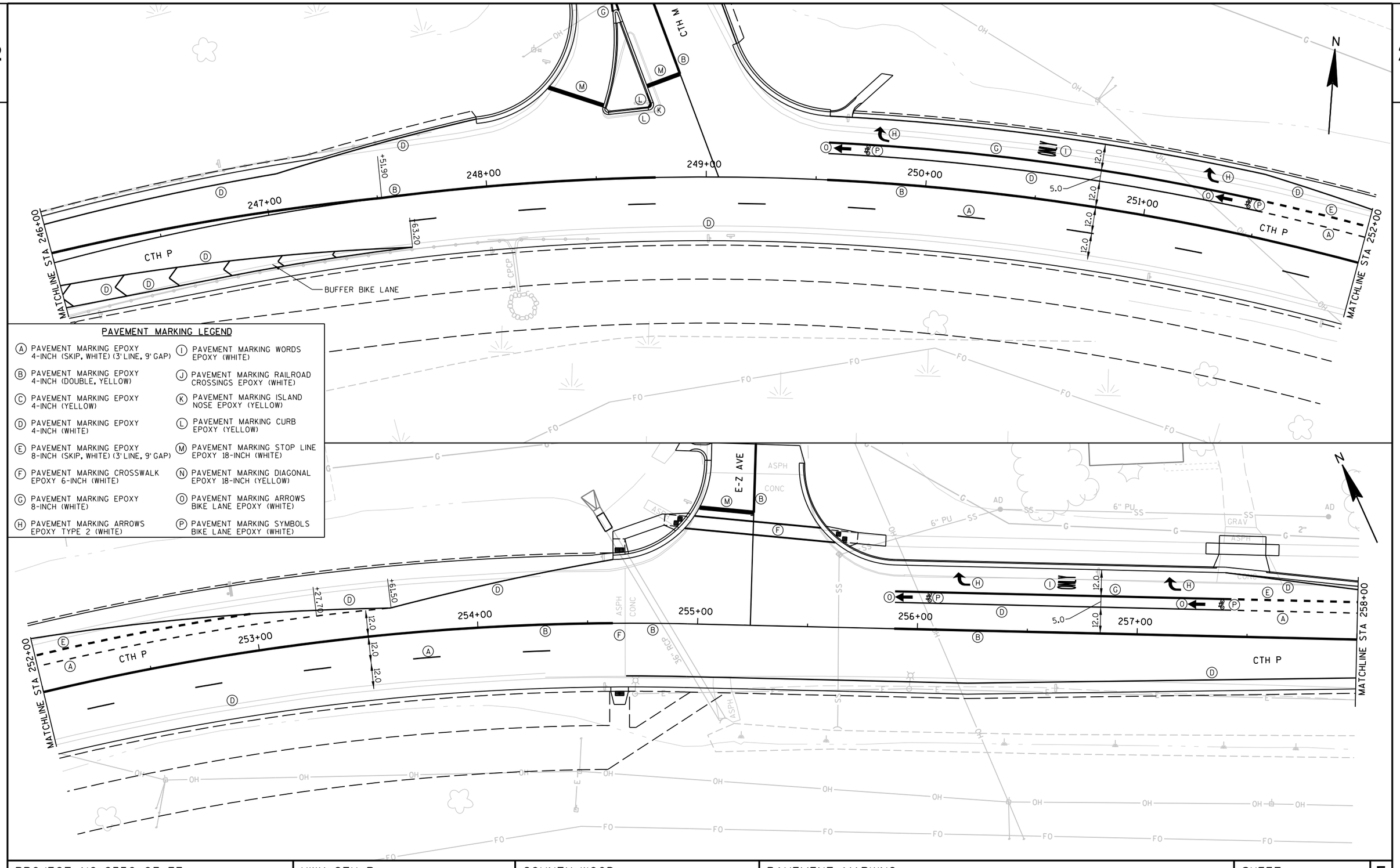
- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

PROJECT NO: 6350-07-77,88, 6350-01-62	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 111	E

2

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)



2

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

MATCHLINE STA 258+00
259+00
260+00
261+00
262+00
263+00
MATCHLINE STA 264+00
CTH P
12.0
10.0'
22+00
36" RCP
MH
HSE 5984
HSE 5964
HSE 5958
GAR
MATCHLINE STA 264+00
265+00
266+00
267+00
268+00
269+00
MATCHLINE STA 270+00
HSE 5934
HSE 5928
HSE 5914
FLOWER BEDS

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 113	E

2

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

MATCHLINE STA 270+00

MATCHLINE STA 276+00

MATCHLINE STA 276+00

MATCHLINE STA 282+00

CTH P

FUEHRER AVE

SCHOOL AVE

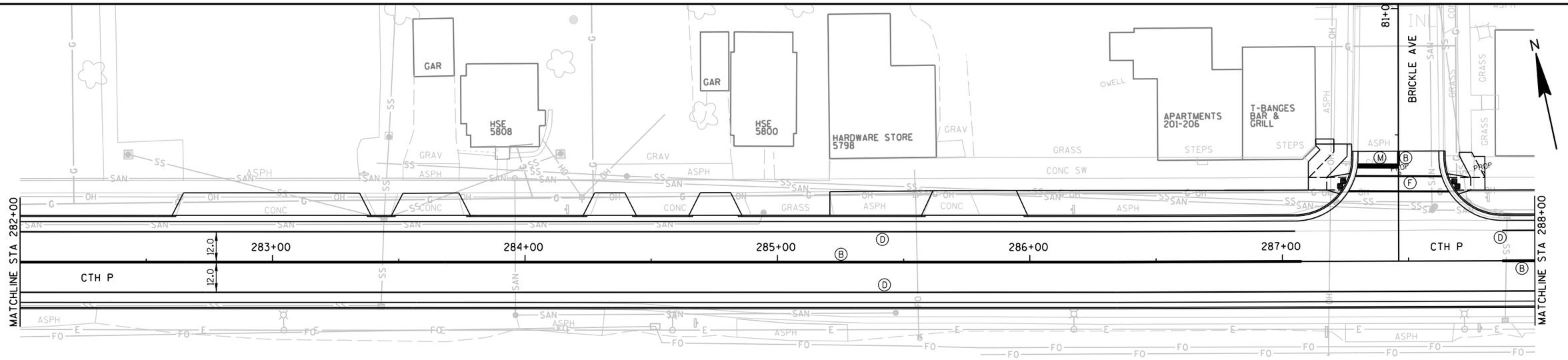
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 114	E

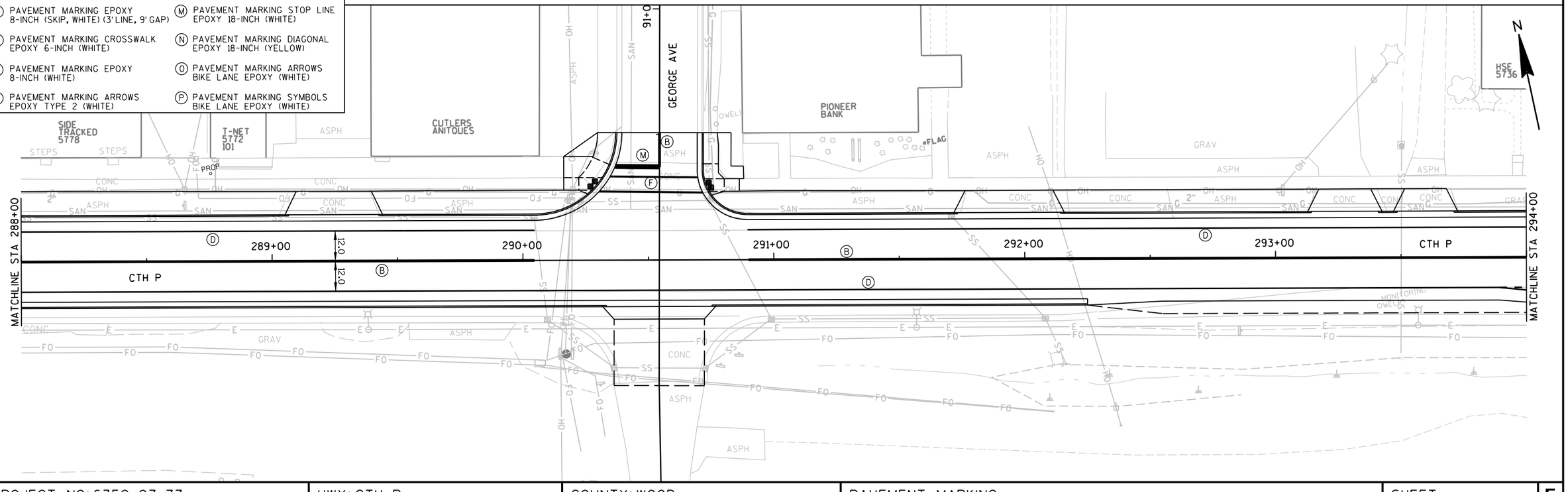
FILE NAME : P:\UZ\W\Witnc\111618\CAD\024507 pm.dgn PLOT TIME : 1:50:59 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)



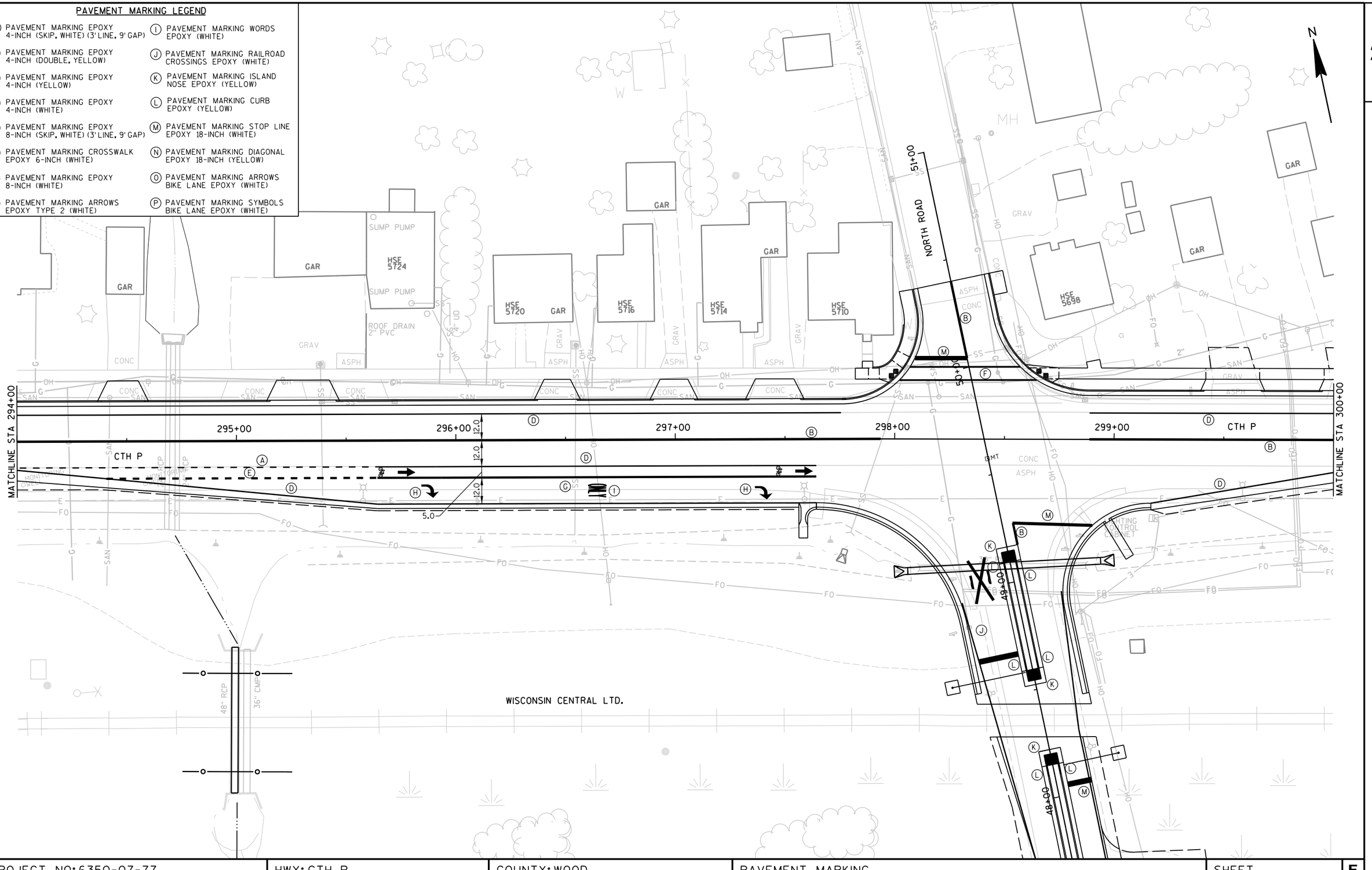


PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 115	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\024508 pm.dgn PLOT TIME : 1:51:00 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)



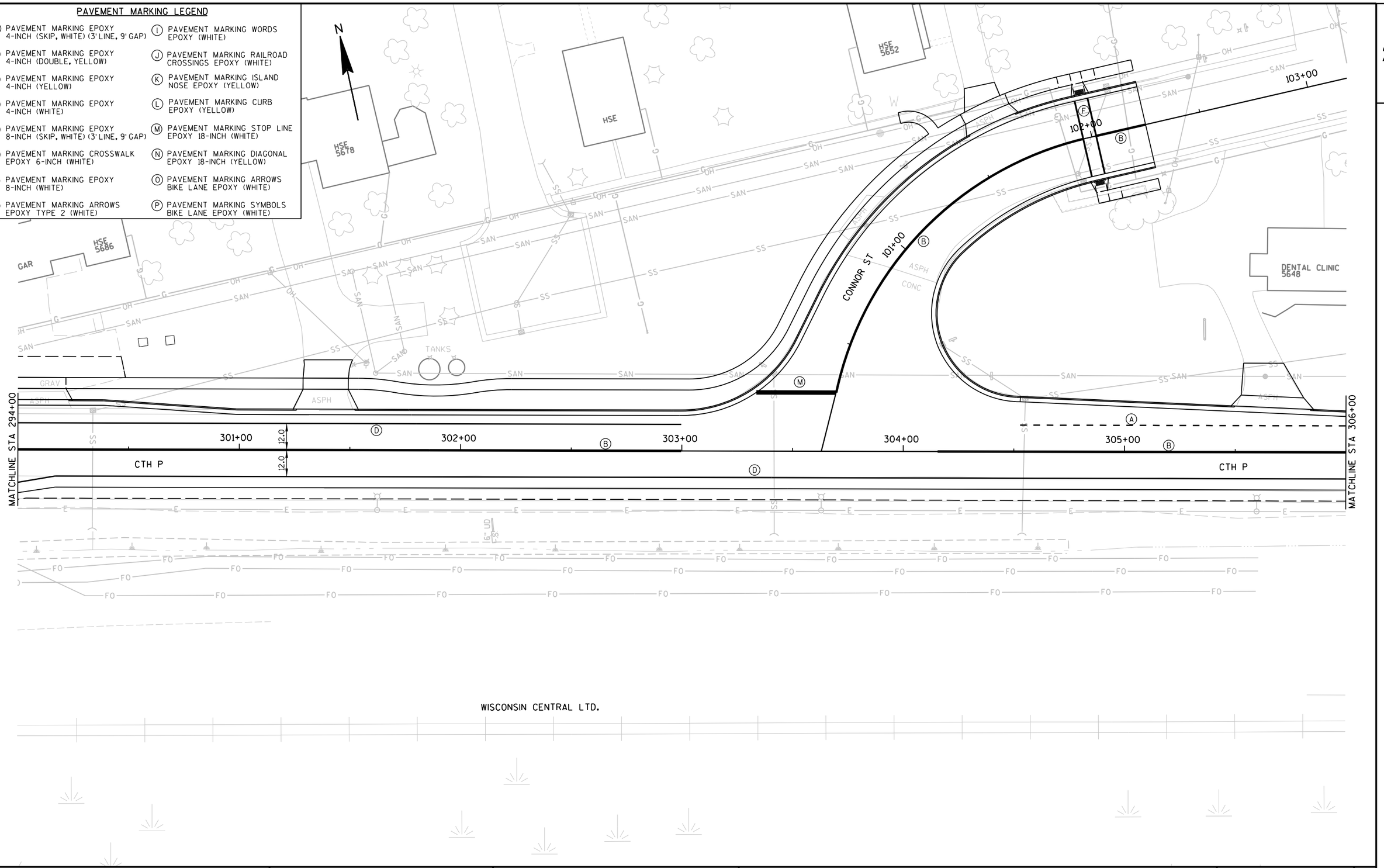
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 116	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\024509 pm.dgn PLOT TIME : 9:20:45 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

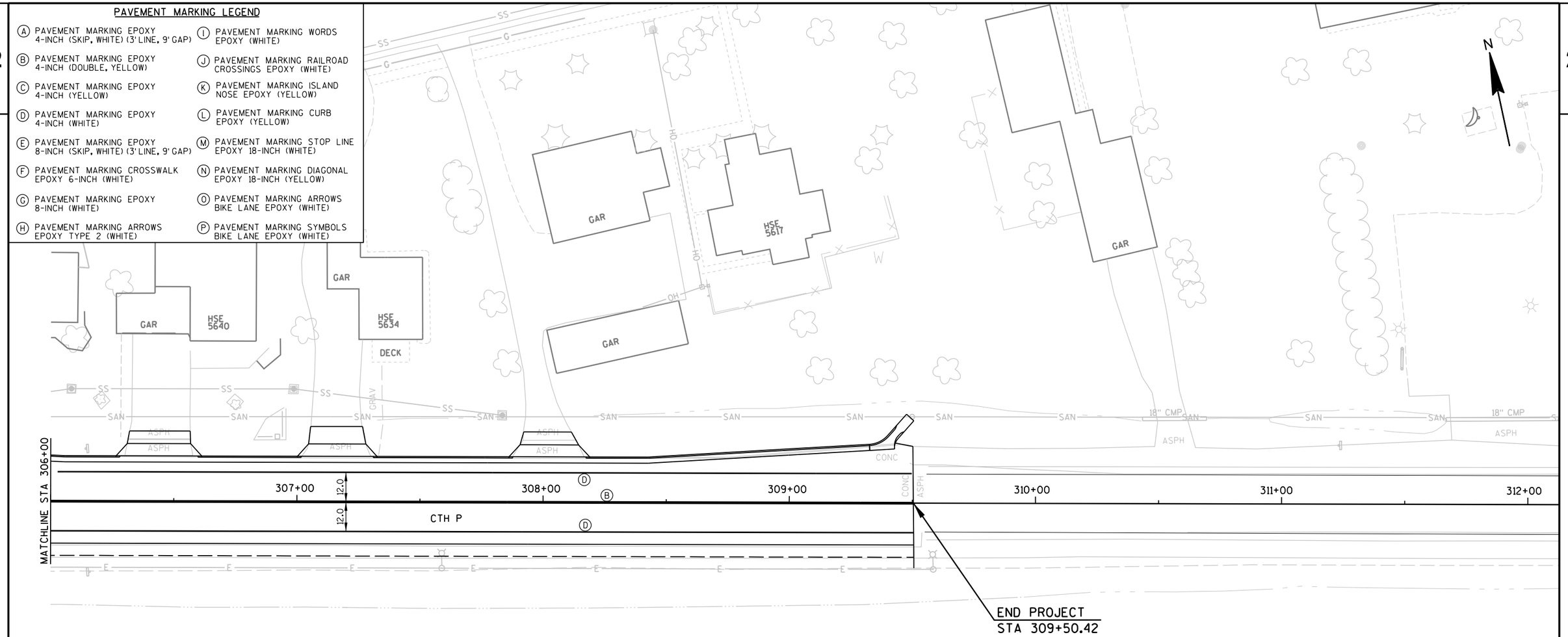


PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 117	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\024510 pm.dgn PLOT TIME : 9:20:46 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 118	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\024511 pm.dgn PLOT TIME : 9:20:46 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

N

222+00
+00
+50.0
223+00
109+00
224+00
110+00
225+00
111+00
226+00
227+00
228+0C
112+00
113+00
114+00
MATCHLINE STA 114+00
MARSHFIELD STREET
12.0
12.0
SIGN
SIGN
FO
OH
SAN

N

231+
CTH P
119+00
120+00
MATCHLINE STA 120+00
115+00
116+00
117+00
118+00
230+00
MARSHFIELD STREET
12.0
12.0
SIGN
SAN
OH
;" (LT)

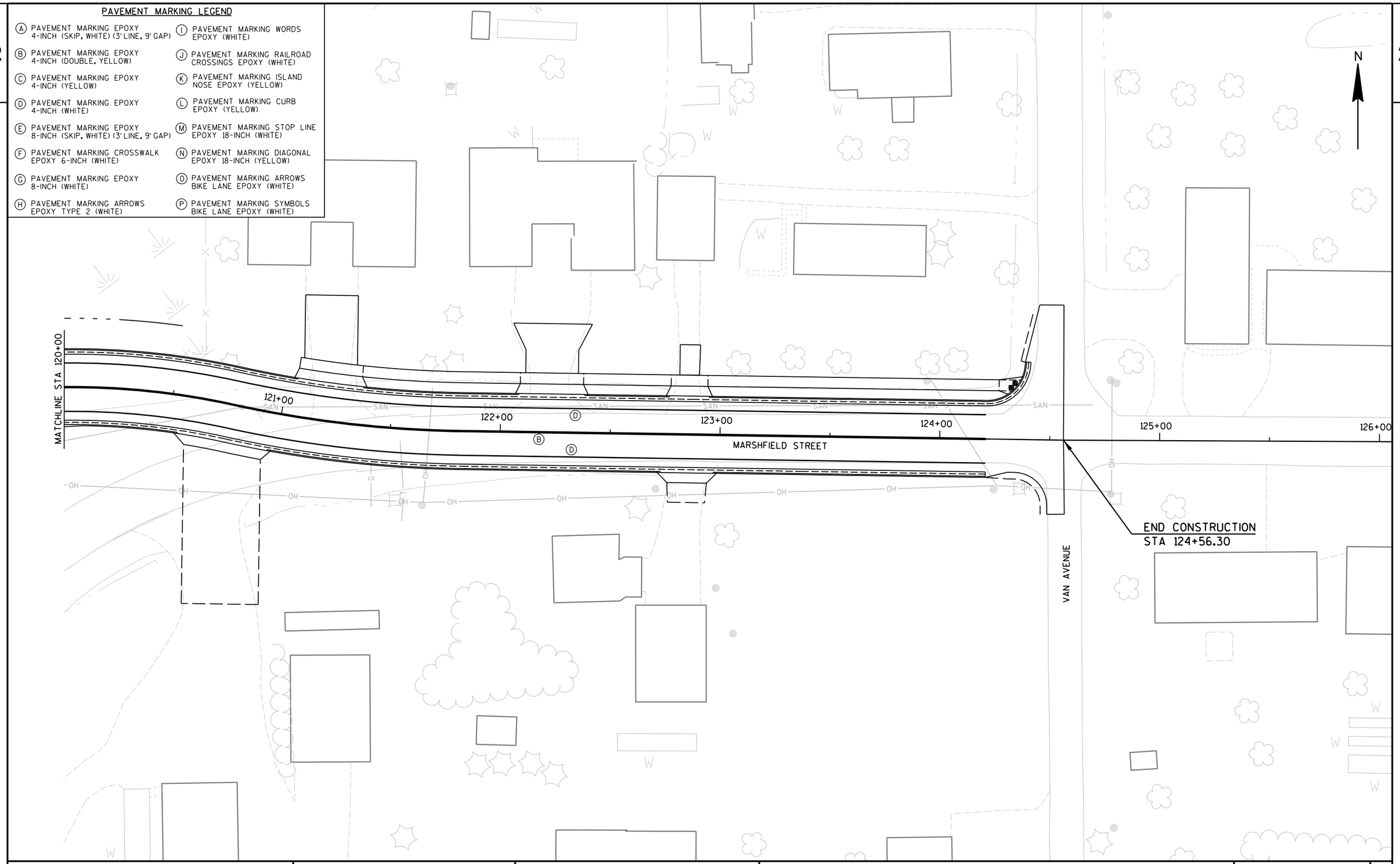
PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 119	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\024512 pm.dgn PLOT TIME : 9:20:47 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

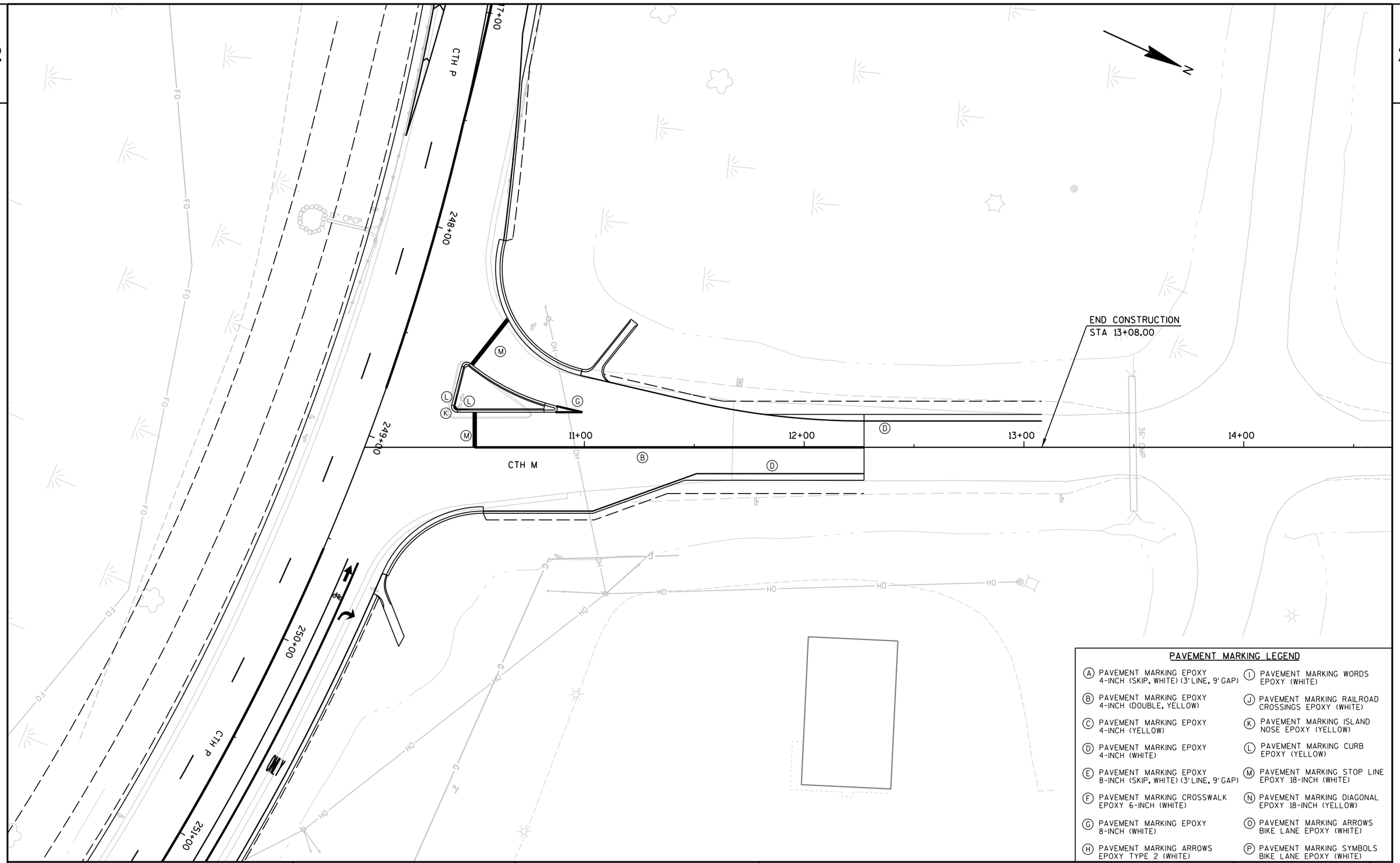


PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 120	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\024513 pm.dgn PLOT TIME : 9:20:48 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET 121	E

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (B) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE, YELLOW)
- (C) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (D) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (E) PAVEMENT MARKING EPOXY 8-INCH (SKIP, WHITE) (3' LINE, 9' GAP)
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (G) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (H) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (I) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (J) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (WHITE)
- (K) PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (M) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (N) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (O) PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)
- (P) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

RUINS

WISCONSIN CENTRAL LTD.

CTH P

297+00

298+00

299+00

300+00

NORTH RD

46+00

47+00

48+00

49+00

50+00

51+00

BEGIN CONSTRUCTION
STA 45+75.00

END CONSTRUCTION
STA 50+40.00

HSE 5716

HSE 5714

HSE 5710

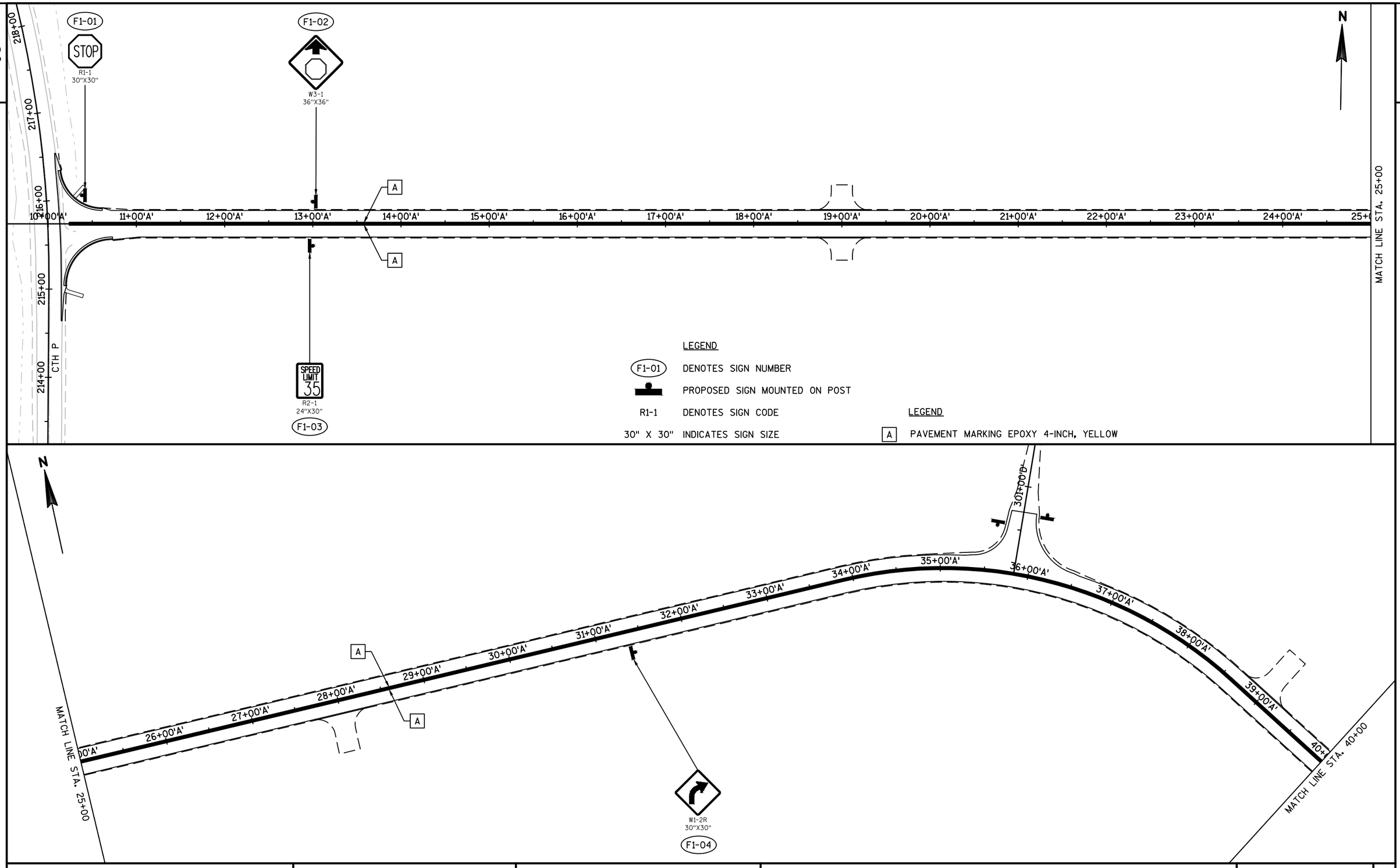
HSE 5638

GAR

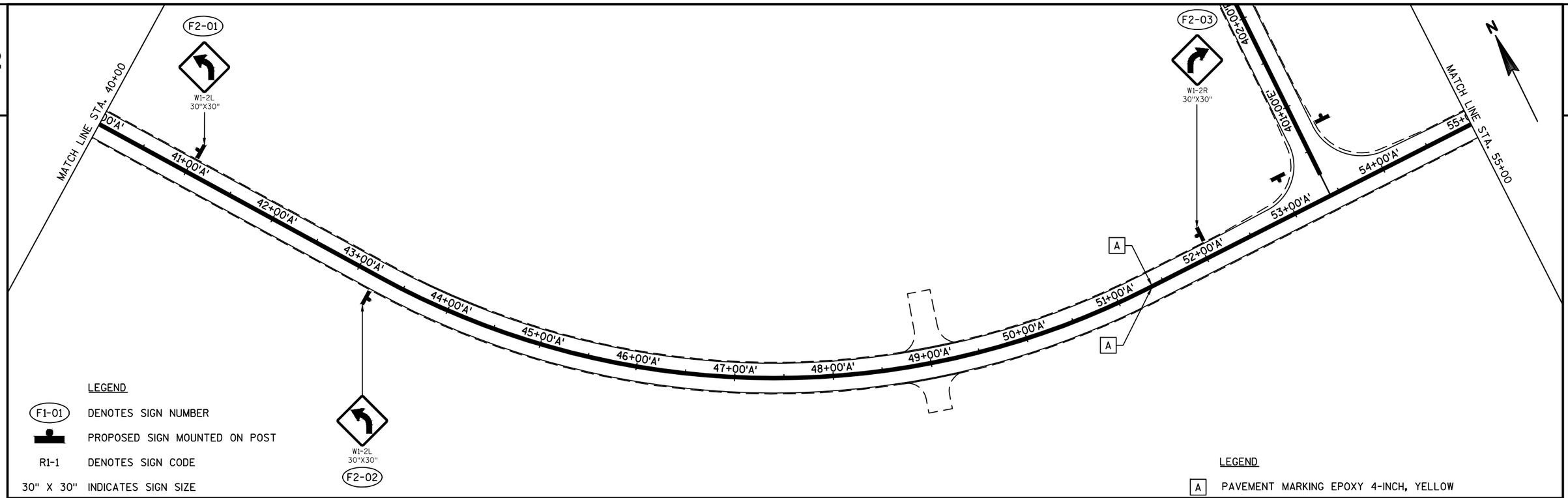
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PAVEMENT MARKING	SHEET	E

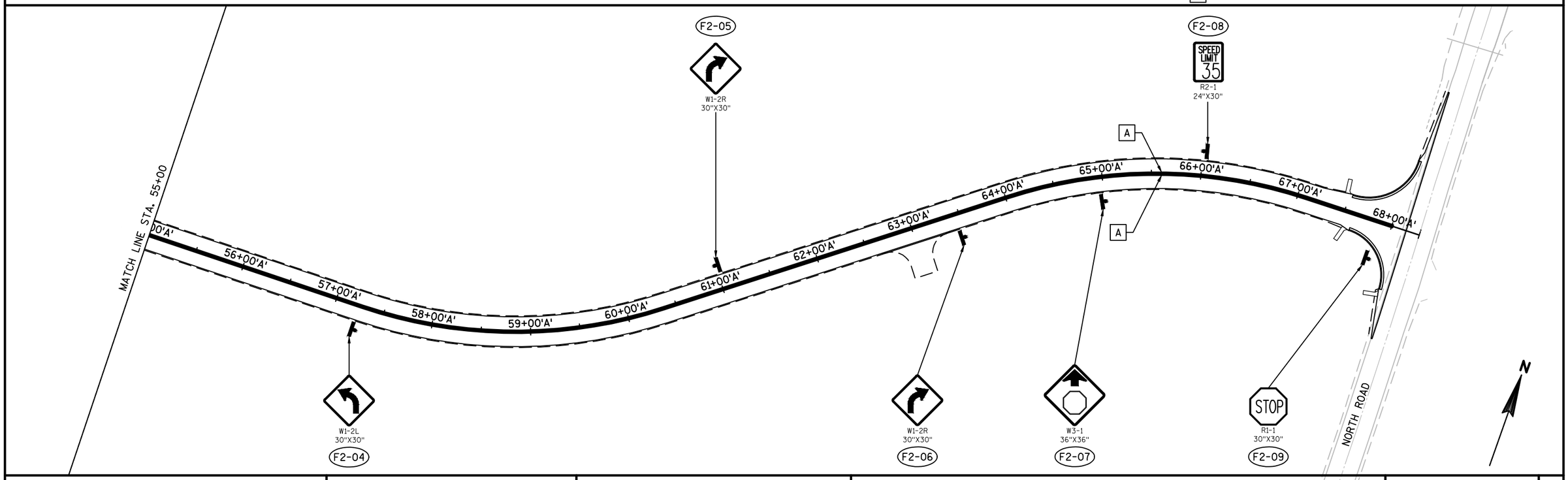
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WISDOT/CADDS SHEET 42

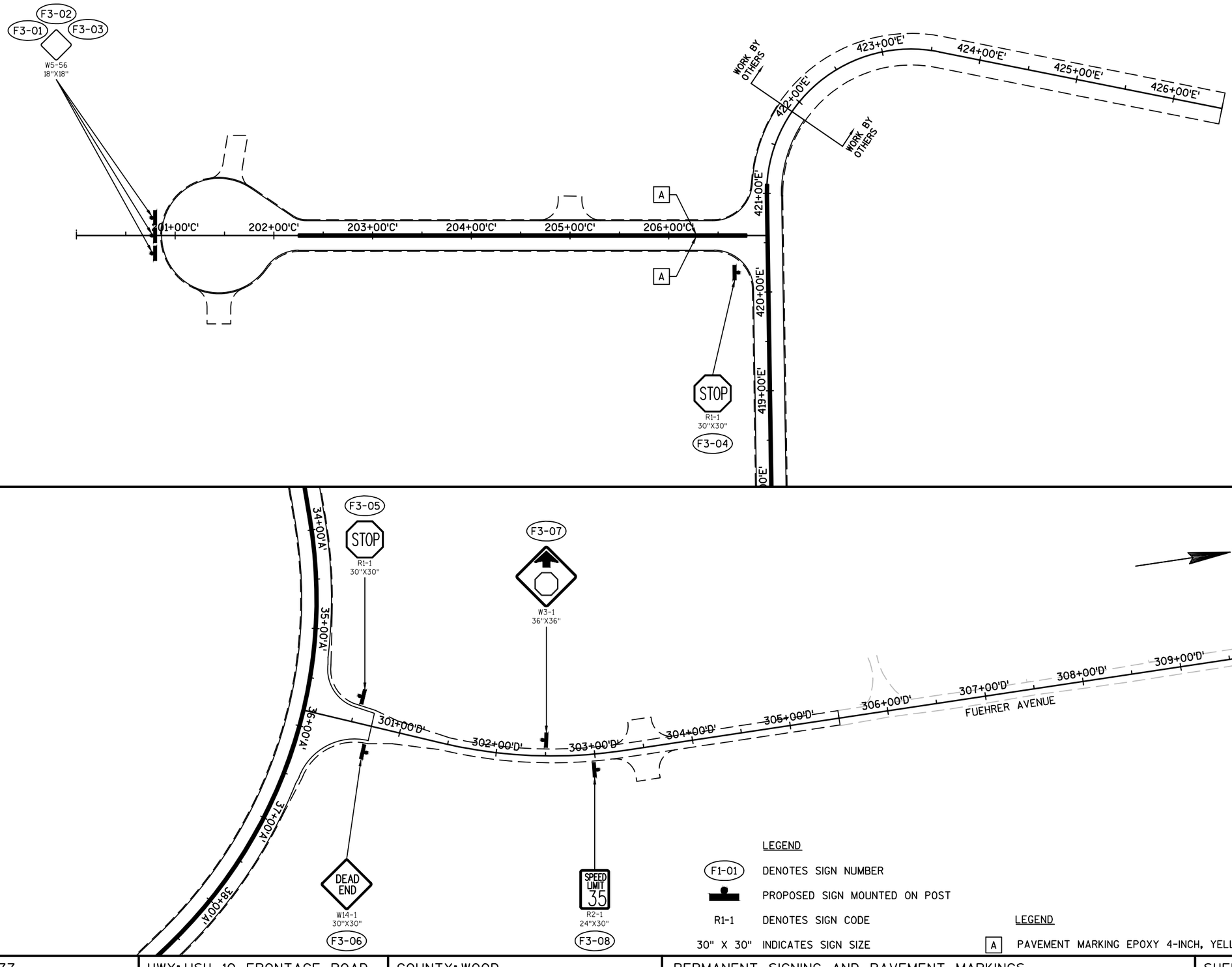


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 123	E





PROJECT NO:6350-07-77	HWY:USH 10 FRONTAGE ROAD	COUNTY:WOOD	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 124	E



2

PROJECT NO:6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 125	E

LEGEND

F1-01 DENOTES SIGN NUMBER

PROPOSED SIGN MOUNTED ON POST

R1-1 DENOTES SIGN CODE

30" X 30" INDICATES SIGN SIZE

LEGEND

A PAVEMENT MARKING EPOXY 4-INCH, YELLOW

N

MATCH LINE STA. 310+00

310+00'D'

311+00'D'

312+00'D'

313+00'D'

314+00'D'

315+00'D'

316+00'D'

317+00'D'

FUEHRER AVENUE

F4-01 W5-56 18"X18" F4-03

F4-02

52+00'A'

53+00'A'

54+00'A'

55+00'A'

F4-04 STOP R1-1 30"X30"

F4-07 W3-1 36"X36"

F4-09 W1-4R 30"X30"

401+00'E' 402+00'E' 403+00'E' 404+00'E' 405+00'E' 406+00'E' 407+00'E' 408+00'E' 409+00'E' 410+00'E' 411+00'E' 412+00'E' 413+00'E' 414+00'E' 415+

A

A

MATCH LINE STA. 415+00

101+00'B'

102+00'B'

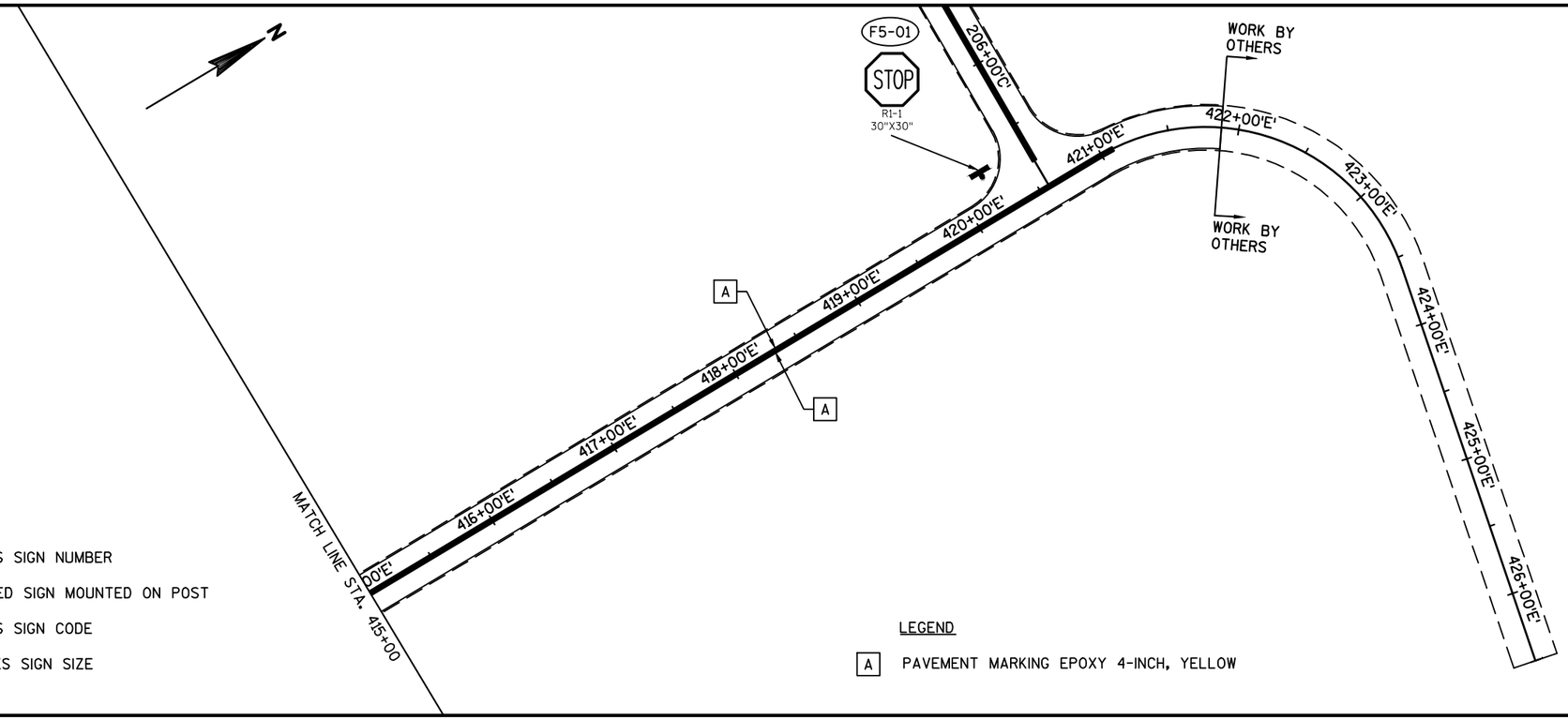
F4-05 DEAD END W14-1 30"X30"

F4-06 W1-4R 30"X30"

F4-08 SPEED LIMIT 35 R2-1 24"X30"

PROJECT NO:6350-07-77	HWY:USH 10 FRONTAGE ROAD	COUNTY:WOOD	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 126	E

2



LEGEND

F1-01	DENOTES SIGN NUMBER
	PROPOSED SIGN MOUNTED ON POST
R1-1	DENOTES SIGN CODE
30" X 30"	INDICATES SIGN SIZE

LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH, YELLOW

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 127	E

2

STAGE 1 CONSTRUCTION

N

PROJECT 6350-01-62
STRUCTURE B-71-39

BEGIN PROJECT
6350-07-77
END PROJECT
6350-07-88
STA 241+63.50

VINE ST
CTH M
1ST ST
E-Z AVE
WISCONSIN CENTRAL LTD.
KENNEDY AVE
VAN ST
SCHOOL AVE
BRICKLE AVE
GEORGE AVE
NORTH RD
CLARK ST
LEO AVE
CONNOR ST
CTH P
OLD US 10
MARSHFIELD ST
FUEHRER AVE
USH 10

110+00
120+00
225+00"A"
230+00"A"
235+00"A"
240+00
250+00
260+00
270+00
280+00
290+00
300+00
310+00
315+00
200+00
205+00
425+00
420+00
415+00
410+00
405+00
105+00
230+00
222+00
10+00
15+00
20+00
25+00
30+00
35+00
40+00
45+00
50+00
55+00
60+00
65+00
305+00
310+00
210+00

BEGIN PROJECT
6350-07-77 (USH 10 FRONTAGE ROADS)
STA 10+13.04

END PROJECT
6350-07-77
STA 309+50.41

BEGIN PROJECT
6350-07-88
STA 207+11.65

BEGIN PROJECT
6350-07-77 (USH 10
FRONTAGE ROADS)
STA 68+15.35

PROJECT NO: 6350-07-77,87,88	HWY: CTH P	COUNTY: WOOD	TRAFFIC CONTROL OVERVIEW - STAGE 1	SHEET 128	E

2

LEGEND

PROPOSED SIGNS

PROPOSED BARRICADE TYPE III W/SIGN

PROPOSED BARRICADE TYPE III

PROJECT LOCATION

1 ROAD WORK AHEAD W20-1-A

2 SHOULDER WORK W21-5

3 END ROAD WORK G20-2A 48"X24"

4 ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"
TYPE III BARRICADE

5 R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

6
TYPE III BARRICADE

N

2

SCHOOL AVE.

BRICKLE AVE.

GEORGE AVE.

CLARK ST.

CTH P/MAIN ST.

SCHULTZ AVE.

C-LINE

E-LINE

B-LINE

FUEHRER AVE.

NORTH RD.

VAN AVE.

MARSHFIELD AVE.

A-LINE

CTH P

STH 186

USH 10 WB

USH 10 EB

1000'

500'

500'

500

500'

PROJECT NO:6350-07-77	HWY:USH 10 FRONTAGE ROAD	COUNTY:WOOD	TRAFFIC CONTROL - STAGE 1	SHEET	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\023301_AW.DWG
LAYOUT NAME - 023301_AW
PLOT DATE : 7/30/2015 9:19 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:400 FT
WISDOT/CADDS SHEET 42

2

STAGE 2 CONSTRUCTION

STAGE 2

OPEN THE USH 10 FRONTAGE ROAD SYSTEM PRIOR TO CLOSING THROUGH TRAFFIC TO THE STAGE 2 WORK ZONE.

THE INTERSECTION OF CTH P AND MARSHFIELD STREET IS TO REMAIN OPEN/ ACCESSIBLE AT ALL TIMES FOR RESIDENTS AND BUSINESS ON MARSHFIELD STREET THROUGHOUT THE REALIGNMENT AND OBLITERATION PROCESS.

COMPLETE WORK ON STRUCTURE B-71-39.

N

PROJECT 6350-01-62
STRUCTURE B-71-39

BEGIN PROJECT
6350-07-77
END PROJECT
6350-07-88
STA 241+63.50

WISCONSIN CENTRAL LTD.

CTH M

VINE ST

1ST ST

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

E-Z AVE

KENNEDY AVE

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C - NO POSTED DETOUR

VAN ST

SCHOOL AVE

BRICKLE AVE

GEORGE AVE

NORTH RD

CLARK ST

LEO AVE

CONNOR ST

CTH P

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C - NO POSTED DETOUR

OLD US 10

MARSHFIELD ST

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

FUEHRER AVE

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C - NO POSTED DETOUR

END PROJECT
6350-07-77
STA 309+50.41

BEGIN PROJECT
6350-07-77 (USH 10 FRONTAGE ROADS)
STA 10+13.04

BEGIN PROJECT
6350-07-88
STA 207+11.65

BEGIN PROJECT
6350-07-77 (USH 10 FRONTAGE ROADS)
STA 68+15.35

USH 10

GENERAL TRAFFIC CONTROL NOTES:

SEE PLAN & PROFILE SHEETS FOR PEDESTRIAN TRAFFIC CONTROL AT CURB RAMPS & MID BLOCK LOCATIONS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE A.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS OR PAVEMENT MARKING, TEMPORARY OR EXISTING, WHICH MAY CONFLICT WITH THE CONSTRUCTION TRAFFIC PATTERN SHALL BE REMOVED OR COVERED.

PROJECT NO: 6350-07-77,87,88	HWY: CTH P	COUNTY: WOOD	TRAFFIC CONTROL OVERVIEW - STAGE 2	SHEET 130 E

STAGE 3 CONSTRUCTION

STAGE 3

OPEN PROJECT ID 3650-07-88 (CTH P REALIGNMENT) TO TRAFFIC.

THE MARSHFIELD STREET/CTH P INTERSECTION SHALL REMAIN OPEN TO PEDESTRIAN TRAFFIC UNTIL THE PEDESTRIAN UNDERPASS (PROJECT ID 6350-07-80) HAS BEEN CONSTRUCTED BY OTHERS. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL AND CONSTRUCTION SCHEDULES WITH THE UNDERPASS CONTRACTOR.

CLOSE THE SOUTH LEG OF THE CTH P INTERSECTIONS WITH FUEHRER AVENUE, SCHULTZ AVENUE AND GEORGE AVENUE AND REMOVE THE ROAD CORES AS SHOWN IN THE PLANS.

SCHOOL AVENUE AND BRICKLE AVENUE OR BRICKLE AVENUE AND GEORGE AVENUE SHALL NOT BE CLOSED TO LOCAL TRAFFIC AT THE SAME TIME. ALTERNATE THESE ADJACENT INTERSECTION CLOSINGS TO ALLOW FOR LOCAL TRAFFIC.

N

BEGIN PROJECT
6350-07-77
END PROJECT
6350-07-88
STA 241+63.50

PROJECT 6350-01-62
STRUCTURE B-71-39

WISCONSIN CENTRAL LTD.

VINE ST

CTH M

1ST ST

E-Z AVE

254+61.45

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C - NO POSTED DETOUR

KENNEDY AVE

VAN ST

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

SCHOOL AVE

BRICKLE AVE

GEORGE AVE

NORTH RD

CLARK ST

LEO AVE

CONNOR ST

CTH P

OLD US 10

MARSHFIELD ST

FUEHRER AVE

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

297+64.21

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C - NO POSTED DETOUR

END PROJECT
6350-07-77
STA 309+50.41

BEGIN PROJECT
6350-07-77 (USH 10 FRONTAGE ROADS)
STA 10+13.04

BEGIN PROJECT
6350-07-88
STA 207+11.65

BEGIN PROJECT
6350-07-77 (USH 10
FRONTAGE ROADS)
STA 68+15.35

USH 10

GENERAL TRAFFIC CONTROL NOTES:

SEE PLAN & PROFILE SHEETS FOR PEDESTRIAN TRAFFIC CONTROL AT CURB RAMPS & MID BLOCK LOCATIONS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE A.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS OR PAVEMENT MARKING, TEMPORARY OR EXISTING, WHICH MAY CONFLICT WITH THE CONSTRUCTION TRAFFIC PATTERN SHALL BE REMOVED OR COVERED.

PROJECT NO: 6350-07-77,87,88	HWY: CTH P	COUNTY: WOOD	TRAFFIC CONTROL OVERVIEW - STAGE 3	SHEET 131 E

2

STAGE 4 CONSTRUCTION

STAGE 4

OPEN RECONSTRUCTED CTH P AT THE WEST SIDE OF CTH P/E-Z AVENUE INTERSECTION TO THE WEST SIDE OF CTH P/NORTH ROAD INTERSECTION.

REMOVE THE EXISTING ROAD CORE FOR THE MARSHFIELD STREET/ CTH P INTERSECTION FOLLOWING THE COMPLETION OF THE PEDESTRIAN UNDERPASS (PROJECT ID 6350-07-80).

N

PROJECT 6350-01-62
STRUCTURE B-71-39

WISCONSIN CENTRAL LTD.

BEGIN PROJECT
6350-07-77
END PROJECT
6350-07-88
STA 241+63.50

VINE ST
CTH M
1ST ST
E-Z AVE
KENNEDY AVE
VAN ST
SCHOOL AVE
BRICKLE AVE
GEORGE AVE
NORTH RD
LEO AVE
CONNOR ST
CTH P
OLD US 10
MARSHFIELD ST
FUEHRER AVE
NORTH RD
CTH P
USH 10

110+00
120+00
200+00
205+00
210+00
220+00
225+00"A"
230+00"A"
235+00"A"
240+00
250+00
260+00
270+00
280+00
290+00
300+00
310+00
315+00
305+00
310+00
415+00
425+00
420+00
105+00
410+00
405+00
10+00
15+00
20+00
25+00
30+00
35+00
40+00
45+00
50+00
55+00
60+00
65+00

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C - NO POSTED DETOUR

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C - NO POSTED DETOUR

297+64.21

PROJECT 6350-07-80
PEDESTRIAN UNDERPASS
(BY OTHERS)

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 - LOCAL ACCESS ONLY

END PROJECT
6350-07-77
STA 309+50.41

USE SDD "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS) - FOR MILL AND OVERLAY

BEGIN PROJECT
6350-07-77 (USH 10 FRONTAGE ROADS)
STA 10+13.04

BEGIN PROJECT
6350-07-88
STA 207+11.65

USE SDD "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS) - FOR MILL AND OVERLAY

BEGIN PROJECT
6350-07-77 (USH 10
FRONTAGE ROADS)
STA 68+15.35

GENERAL TRAFFIC CONTROL NOTES:

SEE PLAN & PROFILE SHEETS FOR PEDESTRIAN TRAFFIC CONTROL AT CURB RAMPS & MID BLOCK LOCATIONS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE A.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

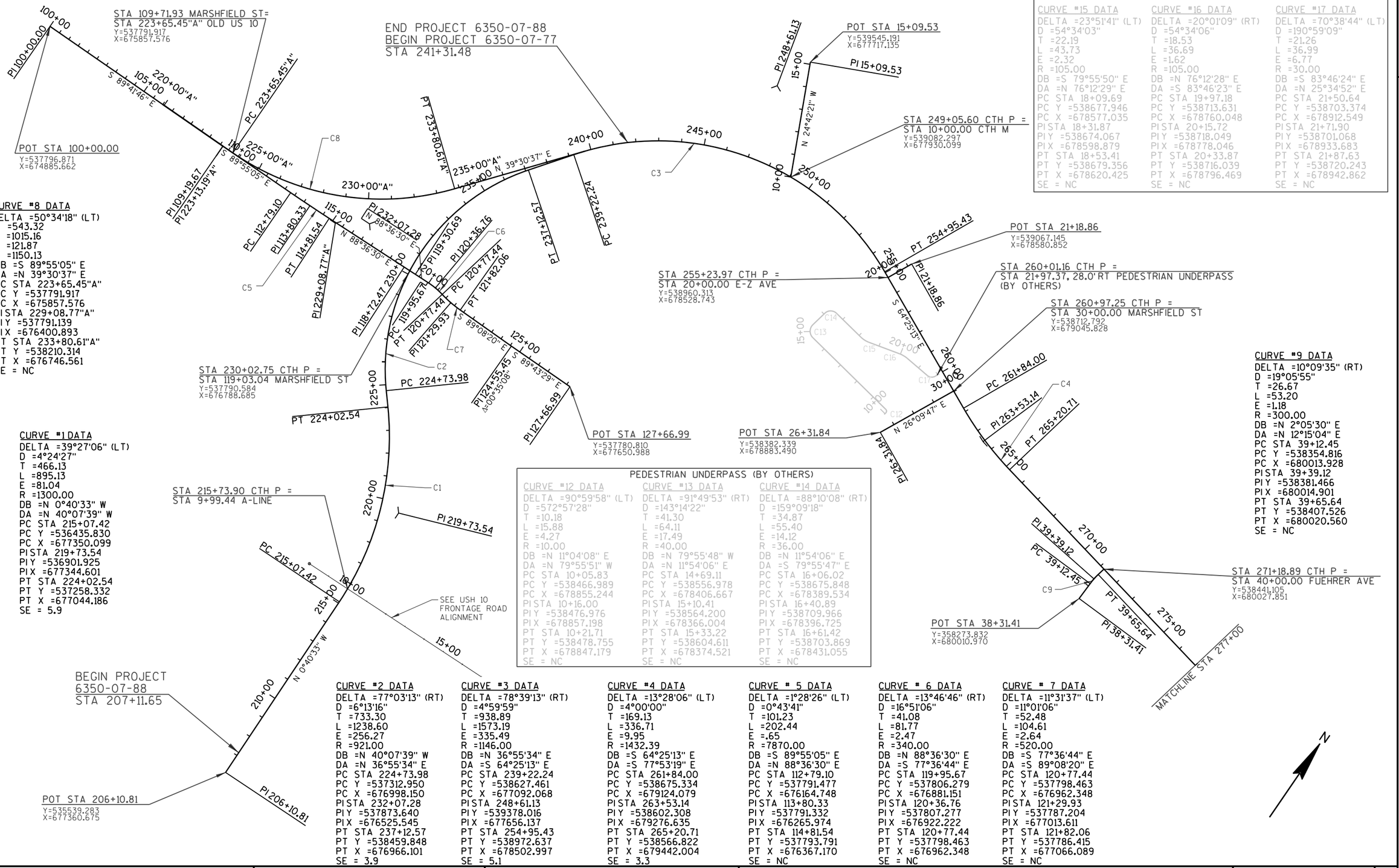
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS OR PAVEMENT MARKING, TEMPORARY OR EXISTING, WHICH MAY CONFLICT WITH THE CONSTRUCTION TRAFFIC PATTERN SHALL BE REMOVED OR COVERED.

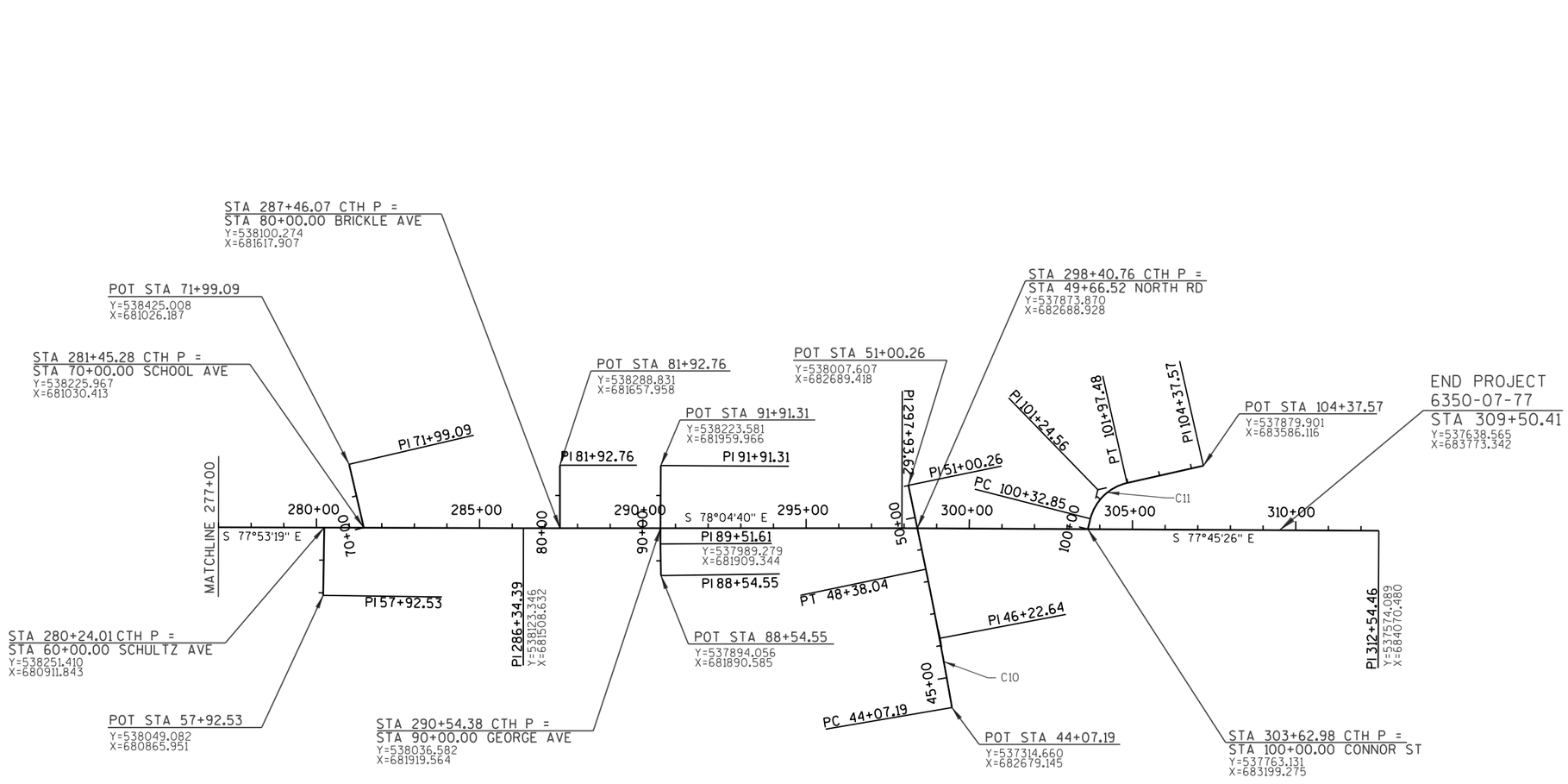
2

PROJECT NO: 6350-07-77,87,88	HWY: CTH P	COUNTY: WOOD	TRAFFIC CONTROL OVERVIEW - STAGE 4	SHEET 132	E



PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	ALIGNMENT	SHEET 133	E

2



CURVE #10 DATA

DELTA =2°03'27" (LT)
D =0°28'39"
T =215.45
L =430.85
E =1.93
R =11998.01
DB =N 2°16'02" E
DA =N 0°12'35" E
PC STA 44+07.19
PC Y =537314.661
PC X =682679.146
PI STA 46+22.64
PI Y =537529.942
PI X =682687.669
PT STA 48+38.04
PT Y =537745.391
PT X =682688.458
SE = NC

CURVE #11 DATA

DELTA =62°53'09" (RT)
D =38°11'50"
T =91.71
L =164.63
E =25.82
R =150.00
DB =N 26°14'35" E
DA =N 89°07'44" E
PC STA 100+32.85
PC Y =537792.595
PC X =683213.800
PI STA 101+24.56
PI Y =537874.857
PI X =683254.355
PT STA 101+97.48
PT Y =537876.251
PT X =683346.059
SE = NC

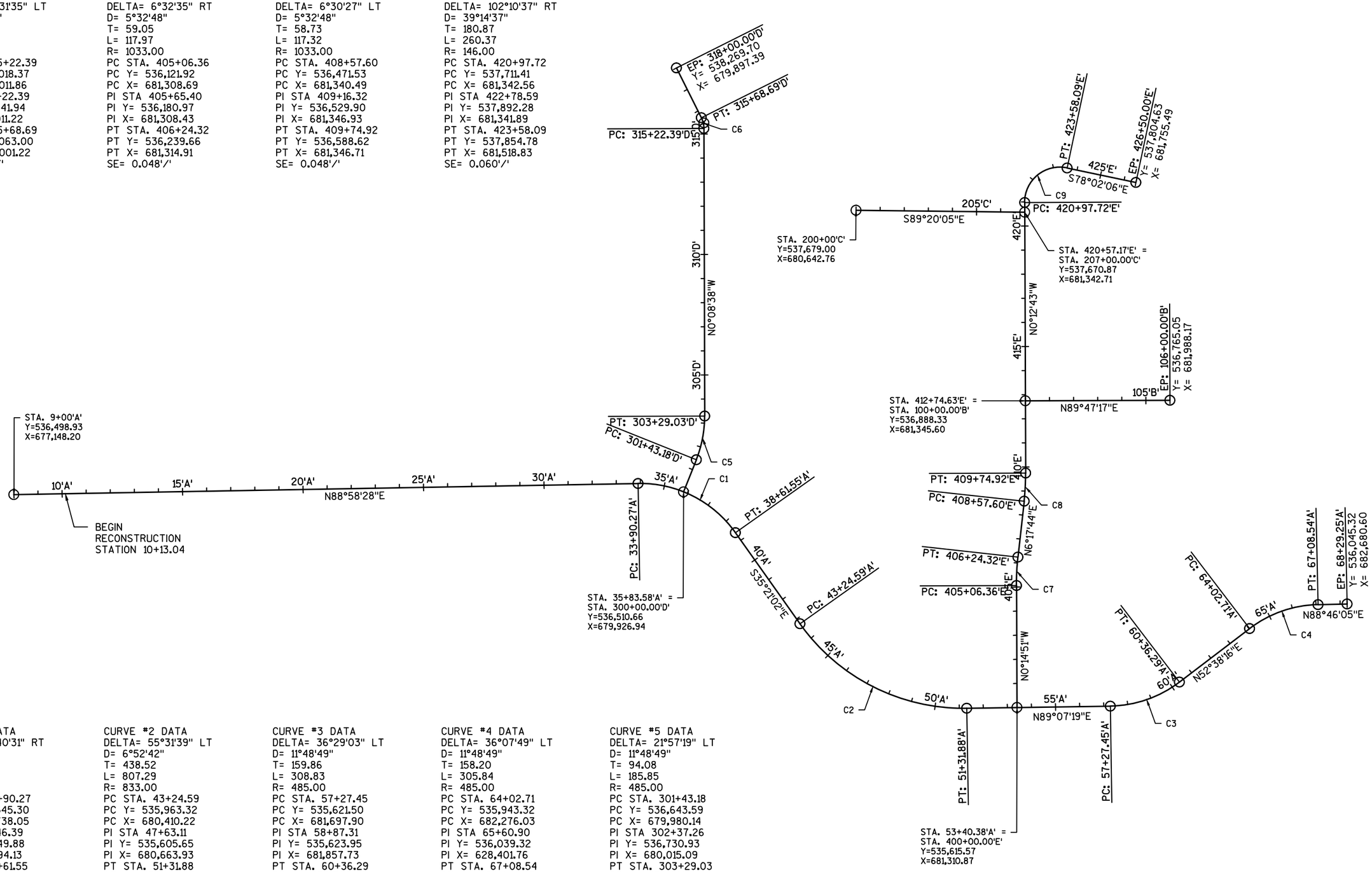
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	ALIGNMENT	SHEET 134	E

CURVE #6 DATA
DELTA= 26°31'35" LT
D= 57°17'45"
T= 23.57
L= 46.30
R= 100.00
PC STA. 315+22.39
PC Y= 538,018.37
PC X= 680,011.86
PI STA 315+22.39
PI Y= 538,041.94
PI X= 680,011.22
PT STA. 315+68.69
PT Y= 538,063.00
PT X= 680,001.22
SE= 0.000'/'

CURVE #7 DATA
DELTA= 6°32'35" RT
D= 5°32'48"
T= 59.05
L= 117.97
R= 1033.00
PC STA. 405+06.36
PC Y= 536,121.92
PC X= 681,308.69
PI STA 405+65.40
PI Y= 536,180.97
PI X= 681,308.43
PT STA. 406+24.32
PT Y= 536,239.66
PT X= 681,314.91
SE= 0.048'/'

CURVE #8 DATA
DELTA= 6°30'27" LT
D= 5°32'48"
T= 58.73
L= 117.32
R= 1033.00
PC STA. 408+57.60
PC Y= 536,471.53
PC X= 681,340.49
PI STA 409+16.32
PI Y= 536,529.90
PI X= 681,346.93
PT STA. 409+74.92
PT Y= 536,588.62
PT X= 681,346.71
SE= 0.048'/'

CURVE #9 DATA
DELTA= 102°10'37" RT
D= 39°14'37"
T= 180.87
L= 260.37
R= 146.00
PC STA. 420+97.72
PC Y= 537,711.41
PC X= 681,342.56
PI STA 422+78.59
PI Y= 537,892.28
PI X= 681,341.89
PT STA. 423+58.09
PT Y= 537,854.78
PT X= 681,518.83
SE= 0.060'/'



CURVE #1 DATA
DELTA= 55°40'31" RT
D= 11°48'49"
T= 256.12
L= 471.28
R= 485.00
PC STA. 33+90.27
PC Y= 536,545.30
PC X= 679,738.05
PI STA 36+46.39
PI Y= 536,549.88
PI X= 679,994.13
PT STA. 38+61.55
PT Y= 536,340.99
PT X= 680,142.31
SE= 0.060'/'

CURVE #2 DATA
DELTA= 55°31'39" LT
D= 6°52'42"
T= 438.52
L= 807.29
R= 833.00
PC STA. 43+24.59
PC Y= 535,963.32
PC X= 680,410.22
PI STA 47+63.11
PI Y= 535,605.65
PI X= 680,663.93
PT STA. 51+31.88
PT Y= 535,612.37
PT X= 681,102.40
SE= 0.052'/'

CURVE #3 DATA
DELTA= 36°29'03" LT
D= 11°48'49"
T= 159.86
L= 308.83
R= 485.00
PC STA. 57+27.45
PC Y= 535,621.50
PC X= 681,697.90
PI STA 58+87.31
PI Y= 535,623.95
PI X= 681,857.73
PT STA. 60+36.29
PT Y= 535,720.96
PT X= 681,984.79
SE= 0.060'/'

CURVE #4 DATA
DELTA= 36°07'49" LT
D= 11°48'49"
T= 158.20
L= 305.84
R= 485.00
PC STA. 64+02.71
PC Y= 535,943.32
PC X= 682,276.03
PI STA 65+60.90
PI Y= 536,039.32
PI X= 628,401.76
PT STA. 67+08.54
PT Y= 536,042.73
PT X= 682,559.92
SE= 0.060'/'

CURVE #5 DATA
DELTA= 21°57'19" LT
D= 11°48'49"
T= 94.08
L= 185.85
R= 485.00
PC STA. 301+43.18
PC Y= 536,643.59
PC X= 679,980.14
PI STA 302+37.26
PI Y= 536,730.93
PI X= 680,015.09
PT STA. 303+29.03
PT Y= 536,825.01
PT X= 680,014.86
SE= 0.060'/'

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	ALIGNMENT	SHEET 135	E

DATE 25JAN16 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	6350-01-62 QUANTITY	6350-07-77 QUANTITY	6350-07-88 QUANTITY
0010	201.0205	Grubbing	STA	41.000		38.000	3.000
0020	201.0220	Grubbing	ID	152.000		76.000	76.000
0030	203.0100	Removing Small Pipe Culverts	EACH	23.000		9.000	14.000
0040	203.0225.S	Debris Containment (structure) 01. B-71-39	LS	1.000	1.000		
0050	204.0100	Removing Pavement	SY	26,332.000		24,018.000	2,314.000
0060	204.0120	Removing Asphaltic Surface Milling	SY	3,890.000			3,890.000
0070	204.0150	Removing Curb & Gutter	LF	5,494.000		3,087.000	2,407.000
0080	204.0155	Removing Concrete Sidewalk	SY	285.000		285.000	
0090	204.0165	Removing Guardrail	LF	2,267.000		880.000	1,387.000
0100	204.0170	Removing Fence	LF	945.000			945.000
0110	204.0195	Removing Concrete Bases	EACH	29.000		29.000	
0120	204.0210	Removing Manholes	EACH	18.000		18.000	
0130	204.0220	Removing Inlets	EACH	18.000		18.000	
0140	204.0245	Removing Storm Sewer (size) 01. 6-Inch	LF	36.000		36.000	
0150	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	560.000		560.000	
0160	204.0245	Removing Storm Sewer (size) 03. 15-Inch	LF	67.000		67.000	
0170	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	270.000		270.000	
0180	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	961.000		961.000	
0190	205.0100	Excavation Common	CY	60,838.000		37,352.000	23,486.000
0200	205.0400	Excavation Marsh	CY	2,965.000		2,357.000	608.000
0210	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	1,470.000		1,470.000	
0220	208.0100	Borrow	CY	27,212.000		27,212.000	
0230	208.1100	Select Borrow	CY	1,427.000		619.000	808.000
0240	213.0100	Finishing Roadway (project) 01. 6350-07-77	EACH	1.000		1.000	
0250	213.0100	Finishing Roadway (project) 02. 6350-07-88	EACH	1.000			1.000
0260	214.0100	Obliterating Old Road	STA	15.000		8.000	7.000
0270	305.0110	Base Aggregate Dense 3/4-Inch	TON	4,661.000		3,563.000	1,098.000
0280	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	56,816.000		45,742.000	11,074.000
0290	305.0500	Shaping Shoulders	STA	32.000			32.000
0300	312.0110	Select Crushed Material	TON	56,230.000		52,437.000	3,793.000
0310	371.1000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	TON	56,816.000		45,742.000	11,074.000
0320	415.0080	Concrete Pavement 8-Inch	SY	5.000		1.000	4.000
0330	415.0410	Concrete Pavement Approach Slab	SY	367.000		207.000	160.000
0340	416.0160	Concrete Driveway 6-Inch	SY	1,494.000		1,339.000	155.000
0350	416.0610	Drilled Tie Bars	EACH	61.000		33.000	28.000
0360	416.1010	Concrete Surface Drains	CY	7.000		3.000	4.000
0370	440.4410	Incentive IRI Ride	DOL	16,100.000		12,200.000	3,900.000
0380	455.0105	Asphaltic Material PG58-28	TON	420.000		420.000	
0400	455.0145	Asphaltic Material PG64-34P	TON	658.000		408.000	250.000
0410	455.0605	Tack Coat	GAL	4,259.000		3,246.000	1,013.000
0420	460.1101	HMA Pavement Type E-1	TON	19,618.000		15,084.000	4,534.000
0430	460.2000	Incentive Density HMA Pavement	DOL	12,550.000		9,650.000	2,900.000
0440	460.4000	HMA Cold Weather Paving	TON	741.000		421.000	320.000
0450	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	29,871.000		24,812.000	5,059.000
0460	465.0105	Asphaltic Surface	TON	110.000		96.000	14.000
0470	465.0315	Asphaltic Flumes	SY	130.000		117.000	13.000
0480	502.3100	Expansion Device (structure) 01. B-71-39	LS	1.000	1.000		
0490	502.3200	Protective Surface Treatment	SY	1,056.000	1,056.000		
0500	502.3210	Pigmented Surface Sealer	SY	244.000	244.000		

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6350-01-62 QUANTITY	6350-07-77 QUANTITY	6350-07-88 QUANTITY
0510	502.6500	Protective Coating Clear	GAL	3.000	3.000		
0520	504.0900	Concrete Masonry Endwalls	CY	52.900		52.900	
0530	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	5,230.000	5,230.000		
0540	505.0904	Bar Couplers No. 4	EACH	4.000	4.000		
0550	505.0905	Bar Couplers No. 5	EACH	6.000	6.000		
0560	505.0906	Bar Couplers No. 6	EACH	18.000	18.000		
0570	505.0908	Bar Couplers No. 8	EACH	12.000	12.000		
0580	509.0301	Preparation Decks Type 1	SY	120.000	120.000		
0590	509.0302	Preparation Decks Type 2	SY	60.000	60.000		
0600	509.0500	Cleaning Decks	SY	1,056.000	1,056.000		
0610	509.1000	Joint Repair	SY	65.000	65.000		
0620	509.1500	Concrete Surface Repair	SF	110.000	110.000		
0630	509.2000	Full-Depth Deck Repair	SY	1.000	1.000		
0640	509.2500	Concrete Masonry Overlay Decks	CY	93.000	93.000		
0650	509.9050.S	Cleaning Parapets	LF	456.000	456.000		
0660	520.8000	Concrete Collars for Pipe	EACH	23.000		23.000	
0670	520.9700.S	Culvert Pipe Liners (size) 01. 24-Inch	LF	70.000		70.000	
0680	520.9700.S	Culvert Pipe Liners (size) 02. 48-Inch	LF	68.000		68.000	
0690	520.9750.S	Cleaning Culvert Pipes for Liner Verification	EACH	2.000		2.000	
0700	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	602.000		510.000	92.000
0710	521.0124	Culvert Pipe Corrugated Steel 24-Inch	LF	40.000			40.000
0720	521.0130	Culvert Pipe Corrugated Steel 30-Inch	LF	32.000			32.000
0730	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	2.000		1.000	1.000
0740	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	30.000		26.000	4.000
0750	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	2.000			2.000
0760	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	2.000			2.000
0770	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	214.000		214.000	
0780	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	88.000		88.000	
0790	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	48.000		48.000	
0800	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	192.000		192.000	
0810	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	7.000		4.000	3.000
0820	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	4.000		3.000	1.000
0830	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	3.000		3.000	
0840	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	9.000		9.000	
0850	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000		2.000	
0860	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000		2.000	
0870	523.0124	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	140.000		140.000	

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6350-01-62 QUANTITY	6350-07-77 QUANTITY	6350-07-88 QUANTITY
0880	523.0429	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	180.000		180.000	
0890	523.0519	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	2.000		1.000	1.000
0900	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	1.000		1.000	
0910	524.0636	Apron Endwalls for Culvert Pipe Salvaged 36-Inch	EACH	1.000		1.000	
0920	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	99.000		99.000	
0930	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	54.000		54.000	
0940	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	8,289.000		7,414.000	875.000
0950	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,441.000		907.000	534.000
0960	601.0600	Concrete Curb Pedestrian	LF	27.000		27.000	
0970	602.0405	Concrete Sidewalk 4-Inch	SF	7,005.000		5,399.000	1,606.000
0980	602.0410	Concrete Sidewalk 5-Inch	SF	943.000		890.000	53.000
0990	602.0415	Concrete Sidewalk 6-Inch	SF	1,028.000		656.000	372.000
1000	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	152.000		144.000	8.000
1010	606.0200	Riprap Medium	CY	276.000		241.000	35.000
1020	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	558.000		525.000	33.000
1030	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	376.000		199.000	177.000
1040	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	599.000		252.000	347.000
1050	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,457.000	1,457.000		
1060	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	8.000	8.000		
1070	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	215.000		74.000	141.000
1080	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	46.000	46.000		
1090	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	120.000	120.000		
1100	610.0119	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	414.000	290.000		124.000
1110	610.0419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	35.000			35.000
1120	611.0430	Reconstructing Inlets	EACH	2.000	2.000		
1130	611.0530	Manhole Covers Type J	EACH	9.000	8.000		1.000
1140	611.0612	Inlet Covers Type C	EACH	2.000	2.000		
1150	611.0624	Inlet Covers Type H	EACH	35.000	32.000		3.000
1160	611.0636	Inlet Covers Type HM-S	EACH	1.000	1.000		
1170	611.0639	Inlet Covers Type H-S	EACH	8.000	6.000		2.000
1180	611.0645	Inlet Covers Type MS-A	EACH	6.000	2.000		4.000
1190	611.0654	Inlet Covers Type V	EACH	2.000	1.000		1.000
1200	611.1004	Catch Basins 4-FT Diameter	EACH	6.000	6.000		
1210	611.1005	Catch Basins 5-FT Diameter	EACH	3.000	3.000		
1220	611.1006	Catch Basins 6-FT Diameter	EACH	4.000	4.000		
1230	611.1230	Catch Basins 2x3-FT	EACH	8.000	8.000		
1240	611.2004	Manholes 4-FT Diameter	EACH	16.000	12.000		4.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6350-01-62 QUANTITY	6350-07-77 QUANTITY	6350-07-88 QUANTITY
1250	611.2005	Manholes 5-FT Diameter	EACH	2.000		1.000	1.000
1260	611.3003	Inlets 3-FT Diameter	EACH	3.000		2.000	1.000
1270	611.3220	Inlets 2x2-FT	EACH	2.000		1.000	1.000
1280	611.3230	Inlets 2x3-FT	EACH	8.000		7.000	1.000
1290	611.3901	Inlets Median 1 Grate	EACH	6.000		2.000	4.000
1300	611.8120.S	Cover Plates Temporary	EACH	7.000		6.000	1.000
1310	611.9800.S	Pipe Grates	EACH	8.000		7.000	1.000
1320	612.0106	Pipe Underdrain 6-Inch	LF	12,534.000		11,278.000	1,256.000
1330	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	390.000		390.000	
1340	612.0212	Pipe Underdrain Unperforated 12-Inch	LF	140.000		65.000	75.000
1350	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	17.000		17.000	
1360	614.2300	MGS Guardrail 3	LF	125.000			125.000
1370	614.2500	MGS Thrie Beam Transition	LF	157.600		78.800	78.800
1380	614.2610	MGS Guardrail Terminal EAT	EACH	4.000		2.000	2.000
1390	616.0800.S	Fence Track Clearance	LF	830.000		830.000	
1400	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6350-07-77	EACH	1.000		1.000	
1410	618.0100	Maintenance And Repair of Haul Roads (project) 02. 6350-07-88	EACH	1.000			1.000
1420	619.1000	Mobilization	EACH	0.980	0.050	0.750	0.180
1430	620.0300	Concrete Median Sloped Nose	SF	312.000		312.000	
1440	623.0200	Dust Control Surface Treatment	SY	55,373.000		35,133.000	20,240.000
1450	624.0100	Water	MGAL	708.790		599.090	109.700
1460	625.0500	Salvaged Topsoil	SY	111,862.000		73,489.000	38,373.000
1470	627.0200	Mulching	SY	41,231.000		18,460.000	22,771.000
1480	628.1504	Silt Fence	LF	16,278.000		13,760.000	2,518.000
1490	628.1520	Silt Fence Maintenance	LF	16,278.000		13,760.000	2,518.000
1500	628.1905	Mobilizations Erosion Control	EACH	7.000		6.000	1.000
1510	628.1910	Mobilizations Emergency Erosion Control	EACH	16.000		13.000	3.000
1520	628.2002	Erosion Mat Class I Type A	SY	14,778.000		6,059.000	8,719.000
1530	628.2004	Erosion Mat Class I Type B	SY	27,015.000		24,825.000	2,190.000
1540	628.2006	Erosion Mat Urban Class I Type A	SY	22,713.000		20,468.000	2,245.000
1550	628.7005	Inlet Protection Type A	EACH	69.000		55.000	14.000
1560	628.7010	Inlet Protection Type B	EACH	16.000		11.000	5.000
1570	628.7015	Inlet Protection Type C	EACH	53.000		44.000	9.000
1580	628.7504	Temporary Ditch Checks	LF	1,626.000		1,263.000	363.000
1590	628.7555	Culvert Pipe Checks	EACH	195.000		189.000	6.000
1600	628.7560	Tracking Pads	EACH	2.000		2.000	
1610	628.7570	Rock Bags	EACH	250.000		240.000	10.000
1620	629.0210	Fertilizer Type B	CWT	54.300		32.900	21.400
1630	630.0110	Seeding Mixture No. 10	LB	420.000		420.000	
1640	630.0130	Seeding Mixture No. 30	LB	861.000		255.000	606.000
1650	630.0140	Seeding Mixture No. 40	LB	723.000		654.000	69.000
1660	630.0200	Seeding Temporary	LB	2,398.000		1,359.000	1,039.000
1670	633.5200	Markers Culvert End	EACH	39.000		34.000	5.000
1680	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	17.000		15.000	2.000
1690	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	123.000		87.000	36.000
1700	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	31.000		26.000	5.000
1710	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	1.000			1.000
1720	637.2210	Signs Type II Reflective H	SF	711.590		457.370	254.220
1730	637.2220	Signs Type II Reflective SH	SF	13.500		13.500	
1740	637.2230	Signs Type II Reflective F	SF	325.680		259.930	65.750
1750	638.2602	Removing Signs Type II	EACH	105.000		79.000	26.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6350-01-62 QUANTITY	6350-07-77 QUANTITY	6350-07-88 QUANTITY
1760	638.3000	Removing Small Sign Supports	EACH	106.000		76.000	30.000
1770	642.5201	Field Office Type C	EACH	1.000		1.000	
1780	643.0100	Traffic Control (project) 01. 6350-07-77	EACH	1.000		1.000	
1790	643.0100	Traffic Control (project) 02. 6350-07-88	EACH	1.000			1.000
1800	643.0300	Traffic Control Drums	DAY	7,830.000		6,080.000	1,750.000
1810	643.0410	Traffic Control Barricades Type II	DAY	498.000		498.000	
1820	643.0420	Traffic Control Barricades Type III	DAY	3,160.000		2,460.000	700.000
1830	643.0705	Traffic Control Warning Lights Type A	DAY	4,544.000		3,564.000	980.000
1840	643.0715	Traffic Control Warning Lights Type C	DAY	400.000		400.000	
1850	643.0900	Traffic Control Signs	DAY	4,417.000		3,602.000	815.000
1860	644.1420.S	Temporary Pedestrian Surface Plywood	SF	640.000		640.000	
1870	644.1601.S	Temporary Curb Ramp	EACH	7.000		7.000	
1880	645.0112	Geotextile Fabric Type DF Schedule B	SY	5,588.000		5,027.000	561.000
1890	645.0120	Geotextile Fabric Type HR	SY	852.000		726.000	126.000
1900	646.0106	Pavement Marking Epoxy 4-Inch	LF	64,645.000		44,536.000	20,109.000
1910	646.0126	Pavement Marking Epoxy 8-Inch	LF	1,101.000		601.000	500.000
1920	647.0110	Pavement Marking Railroad Crossings Epoxy	EACH	2.000		2.000	
1930	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	10.000		6.000	4.000
1940	647.0206	Pavement Marking Arrows Bike Lane Epoxy	EACH	10.000		6.000	4.000
1950	647.0306	Pavement Marking Symbols Bike Lane Epoxy	EACH	10.000		6.000	4.000
1960	647.0356	Pavement Marking Words Epoxy	EACH	5.000		3.000	2.000
1970	647.0456	Pavement Marking Curb Epoxy	LF	110.000		110.000	
1980	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	315.000		272.000	43.000
1990	647.0606	Pavement Marking Island Nose Epoxy	EACH	5.000		5.000	
2000	647.0736	Pavement Marking Diagonal Epoxy 18-Inch	LF	15.000		15.000	
2010	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	741.000		741.000	
2020	648.0100	Locating No-Passing Zones	MI	2.000		1.350	0.650
2030	650.4000	Construction Staking Storm Sewer	EACH	80.000		63.000	17.000
2040	650.4500	Construction Staking Subgrade	LF	20,538.000		17,068.000	3,470.000
2050	650.5000	Construction Staking Base	LF	20,538.000		17,068.000	3,470.000
2060	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	9,829.000		8,420.000	1,409.000
2070	650.6000	Construction Staking Pipe Culverts	EACH	13.000		9.000	4.000
2080	650.7000	Construction Staking Concrete Pavement	LF	72.000		40.000	32.000
2090	650.8000	Construction Staking Resurfacing Reference	LF	1,589.000			1,589.000
2100	650.8500	Construction Staking Electrical Installations (project) 01. 6350-07-77	LS	1.000		1.000	
2110	650.9910	Construction Staking Supplemental Control (project) 01. 6350-07-77	LS	1.000		1.000	
2120	650.9910	Construction Staking Supplemental Control (project) 02. 6350-07-88	LS	1.000			1.000
2130	650.9920	Construction Staking Slope Stakes	LF	20,700.000		17,149.000	3,551.000
2140	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	5,244.000		5,244.000	
2150	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	535.000		535.000	
2160	653.0140	Pull Boxes Steel 24x42-Inch	EACH	4.000		4.000	
2170	654.0106	Concrete Bases Type 6	EACH	29.000		29.000	
2180	655.0610	Electrical Wire Lighting 12 AWG	LF	4,176.000		4,176.000	
2190	655.0620	Electrical Wire Lighting 8 AWG	LF	8,906.000		8,906.000	
2200	655.0625	Electrical Wire Lighting 6 AWG	LF	7,660.000		7,660.000	
2210	655.0630	Electrical Wire Lighting 4 AWG	LF	3,663.000		3,663.000	

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DATE 25JAN16 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	6350-01-62 QUANTITY	6350-07-77 QUANTITY	6350-07-88 QUANTITY
2220	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	29.000		29.000	
2230	657.0327	Poles Type 6-Aluminum	EACH	29.000		29.000	
2240	657.0705	Luminaire Arms Truss Type 4 1/2-Inch Clamp 10-FT	EACH	29.000		29.000	
2250	659.1125	Luminaires Utility LED C	EACH	29.000		29.000	
2260	690.0150	Sawing Asphalt	LF	1,401.000		1,181.000	220.000
2270	690.0250	Sawing Concrete	LF	389.000		365.000	24.000
2280	715.0415	Incentive Strength Concrete Pavement	DOL	500.000		500.000	
2290	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000		
2300	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,980.000	1,980.000		
2310	SPV.0030	Special 01. Fertilizer For Lawn Type Turf	CWT	17.700		14.600	3.100
2320	SPV.0060	Special 01. Inlet Cover Type H Special	EACH	2.000		2.000	
2410	SPV.0060	Special 10. Cleaning And Painting Bearings	EACH	12.000	12.000		
2420	SPV.0060	Special 11. Remove and Relocate Existing Service Meter/Lighting Control Cabinet	EACH	1.000		1.000	
2430	SPV.0060	Special 12. Lighting Assemblies Decorative Color	EACH	29.000		29.000	
2440	SPV.0060	Special 13. Lighting Assembly Banner Arm	EACH	29.000		29.000	
2450	SPV.0060	Special 14. Festoon Receptacle Box	EACH	29.000		29.000	
2460	SPV.0060	Special 15. Establish Section Corner Monuments	EACH	2.000		2.000	
2470	SPV.0090	Special 01. Culvert Pipe Reinforced Concrete Pipe Arch Class III 45x73-Inch	LF	186.000		186.000	
2480	SPV.0090	Special 02. PVC Pipe 6-Inch	LF	32.000		32.000	
2490	SPV.0090	Special 03. PVC Pipe 12-Inch	LF	8.000		8.000	
2560	SPV.0090	Special 10. Regrade Ditch	LF	400.000		400.000	
2570	SPV.0105	Special 01. Research And Locate Existing Property Monuments 6350-07-77	LS	1.000		1.000	
2580	SPV.0105	Special 02. Verify And Replace Existing Property Monuments 6350-07-77	LS	1.000		1.000	
2590	SPV.0105	Special 03. Removal and Salvage of Light Pole Assemblies	LS	1.000		1.000	
2600	SPV.0105	Special 04. Research And Locate Existing Property Monuments 6350-07-88	LS	1.000			1.000
2610	SPV.0105	Special 05. Verify And Replace Existing Property Monuments 6350-07-88	LS	1.000			1.000
2620	SPV.0120	Special 01. Water For Seeded Areas	MGAL	504.000		286.000	218.000
2640	SPV.0180	Special 01. Geogrid Reinforcement	SY	5,600.000		5,600.000	
2650	SPV.0180	Special 02. Preparing Topsoil For Lawn Type Turf	SY	27,153.000		22,410.000	4,743.000

3

GRUBBING

STATION	LOCATION	201.0205 GRUBBING STA	201.0220 GRUBBING ID	COMMENTS
PROJECT 6350-07-88				
CATEGORY 0010				
STAGE 2				
CTH P				
230+50 - 231+50	LT	1		
232+50 - 233+50	LT	1		
MARSHFIELD ST				
110+47	RT		8	
110+76	RT		4	
111+08	RT		16	
111+77	RT		12	
117+25 -118+25	LT	1		
120+24	LT		12	
150+65	LT		14	
150+77	LT		10	
CATEGORY 0010 SUBTOTAL		3	76	
PROJECT 6350-07-88 SUBTOTAL		3	76	
PROJECT 6350-07-77				
CATEGORY 0010				
STAGE 2				
CTH P				
250+10	RT		12	
251+43	RT		14	
252+16	RT		20	
STAGE 2 SUBTOTAL			46	
STAGE 3				
SCHOOL AVE				
70+67	LT		30	
STAGE 3 SUBTOTAL			30	
STAGE 4				
CONNOR ST				
102+14	RT	1		STUMPS
STAGE 4 SUBTOTAL		1		
CATEGORY 0010 SUBTOTAL		1	76	
PROJECT 6350-07-77 SUBTOTAL		1	76	
ITEM TOTALS		* 4	152 *	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING SMALL CULVERT PIPE

STATION	LOCATION	203.0100 EACH	COMMENT
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
CTH P			
226+35	RT	1	18"X40' CMP
226+42	LT	1	24"X35' CMP
228+56	LT	1	24"X42' CMP
228+56	LT	1	24"X63' CMP
235+23	LT	1	12"X26' CMP
235+56	RT	1	12"X28' CMP
CTH P (OLD USH 10)			
229+65"A"	LT	1	18"X35' CMP
230+00"A"	RT	1	24"X91' CMP
MARSHFIELD ST			
111+58	RT	1	18"X40' CMP
117+34	LT	1	24"X25' CMP
120+77.5	RT	1	18"X29' CMP
121+20.4	LT	1	15"X33' CMP
122+23.2	LT	1	15"X20' CMP
122+85.8	LT	1	12"X18' CMP
CATEGORY 0010 SUBTOTAL		14	
PROJECT 6350-07-88 SUBTOTAL		14	
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 2			
CTH P			
248+10	RT	1	15"X20' CMP
STAGE 2 SUBTOTAL		1	
STAGE 3			
MARSHFIELD STREET			
27+65	LT & RT	1	24"X47' CMP (Verify size in field)
28+30	LT & RT	1	24"X67' CMP
28+83	LT	1	15"X35' CMP
29+30	LT & RT	1	36"X73' RCP
FUEHRER AVENUE			
39+50	RT	1	42"X69' RCP
STAGE 3 SUBTOTAL		5	
STAGE 4			
NORTH ROAD			
49+15	LT & RT	1	30"X76' RCP
STAGE 4 SUBTOTAL		1	
CATEGORY 0010 SUBTOTAL		7	
PROJECT 6350-07-77 SUBTOTAL		7	
ITEM TOTAL		21*	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PAVEMENT

STATION	LOCATION	204.0100 SY	COMMENT
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
CTH P (OLD USH 10)			
108+50 - 113+36.5	LT & RT	1314	
227+36.2"A" - 230+83.03"A"	LT & RT	925	OBLITERATING OLD ROAD
MARSHFIELD STREET			
121+20.4	LT	75	CONCETE DW
CATEGORY 0010 SUBTOTAL		2314	
PROJECT 6350-07-88 SUBTOTAL		2314	
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 3			
CTH P			
254+67.04 - 277+50.00	LT & RT	8510	
277+50.00 - 297+64.21	LT & RT	8674	INC SHULTZ & GEORGE AVE S.
DRIVEWAYS			
254+67.04 - 297+64.21	LT & RT	1289	CONCRETE DW APRONS
E-Z AVE			
20+22 - 20+69	LT & RT	357	
BRICKLE AVE			
80+16 - 80+44	LT & RT	155	
GEORGE AVE			
90+16 - 90+39	LT & RT	135	
STAGE 3 SUBTOTAL		19120	
STAGE 4			
CTH P			
297+64.21 - 309+50.41	LT & RT	4061	
NORTH RD			
49+83 - 50+31.6	LT & RT	292	
50+38	RT	8	DW RT
CONNER ST			
100+19.4 -100+89.3	LT & RT	537	
STAGE 4 SUBTOTAL		4898	
CATEGORY 0010 SUBTOTAL		24018	
PROJECT 6350-07-77 SUBTOTAL		24018	
ITEM TOTAL		26332	

REMOVING ASPHALTIC SURFACE MILLING

STATION	LOCATION	204.0120 SY
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 4		
CTH P		
207+11.65 - 223+00.00	LT & RT	3890
CATEGORY 0010 SUBTOTAL		3890
PROJECT 6350-07-88 TOTAL		3890

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

REMOVING CURB AND GUTTER

STATION	LOCATION	204.0150 LF	COMMENT
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
CTH P (OLD USH 10)			
229+20"A" - 229+75"A"	RT	63	OLD STH 186 RADIUS
230+05"A" - 230+26"A"	RT	104	OLD STH 186 ISLAND
230+33"A" - 230+85"A"	RT	76	OLD STH 186 RADIUS
230+78"A" - 241+63.5	LT	1064	
230+85"A" - 241+63.5	RT	1100	
CATEGORY 0010 SUBTOTAL		2407	
PROJECT 6350-07-88 SUBTOTAL		2407	
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 2			
CTH P			
243+64.3 - 254+61.4	RT	1047	
243+64.3 - 247+90.2	LT	461	
249+56.9 - 254+61.4	LT	516	
CTH M			
10+59 - 10+94	LT	86	RADIUS
10+38 - 10+76	LT	106	ISLAND
10+04 - 10+93	RT	47	RADIUS
10+37 - 10+93	RT	54	
STAGE 2 SUBTOTAL		2317	
STAGE 3			
CTH P			
254+61.4 - 254+67.4	LT	6	
254+61.4 - 255+07.7	RT	46	
MARSHFIELD STREET			
29+16 - 29+74	LT	86	RADIUS
29+19 - 29+74	RT	72	RADIUS
FUEHRER AVENUE			
39+49 - 39+78	LT	41	RADIUS
39+42 - 39+78	RT	43	RADIUS
GEORGE AVENUE			
90+38.8 - 90+50.8	LT	12	RADIUS
90+38.8 - 90+50.8	RT	12	RADIUS
STAGE 3 SUBTOTAL		318	
STAGE 4			
NORTH ROAD			
48+91.7 - 49+59.2	LT	93	RADIUS
48+90.4 - 49+31.7	RT	65	RADIUS
50+31.6 - 50+40.0	LT	9	
50+31.6 - 50+40.0	RT	9	
CONNER STREET			
100+82.6 - 102+24.9	LT	159	
100+97.7 - 102+24.9	RT	117	
STAGE 4 SUBTOTAL		452	
CATEGORY 0010 SUBTOTAL		3087	
PROJECT 6350-07-77 SUBTOTAL		3087	
ITEM TOTAL		5494	

REMOVING CONCRETE SIDEWALK

STATION	LOCATION	204.0155 SY	COMMENT
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 3			
CTH P			
255+55.2 - 255+84.8	LT	15	NE QUADRANT E-Z AVENUE
257+30.4 - 257+63.7	LT	19	
273+86.7 - 274+15.3	LT	16	
278+88.2 - 278+98.3	LT	6	
280+97.2 - 281+69.2	LT	40	
287+10.4 - 287+27.6	LT	30	NW QUADRANT BRICKLE AVENUE
287+64.6 - 287+80.4	LT	22	NE QUADRANT BRICKLE AVENUE
290+16.3 - 290+37.5	LT	27	NW QUADRANT GEORGE AVENUE
290+72.1 - 290+86.2	LT	20	NE QUADRANT GEORGE AVENUE
STAGE 3 SUBTOTAL		194	
STAGE 4			
CTH P			
297+85.1 - 298+08.2	LT	38	NW QUADRANT NORTH ROAD
298+58.3 - 299+09.5	LT	23	NE QUADRANT NORTH ROAD
CONNER STREET			
101+33.2 - 101+54.0	LT	11	
101+73.3 - 102+18.7	RT	20	
STAGE 4 SUBTOTAL		91	
CATEGORY 0010 SUBTOTAL		285	
PROJECT 6350-07-77 SUBTOTAL		285	
ITEM TOTAL		285	

REMOVING GUARDRAIL

STATION	LOCATION	204.0165 LF	COMMENT
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
CTH P (OLD USH 10)			
234+61.4"A" - 241+28.9	LT	671	
234+58.4"A" - 241+78.7	RT	716	
CATEGORY 0010 SUBTOTAL		1387	
PROJECT 6350-07-88 SUBTOTAL		1387	
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 2			
CTH P			
243+48.0 - 247+77.7	LT	439	
244+00.0 - 248+50.5	RT	441	
CATEGORY 0010 SUBTOTAL		880	
PROJECT 6350-07-77 SUBTOTAL		880	
ITEM TOTAL		2267	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

REMOVING FENCE

STATION	LOCATION	204.0170 LF	TYPE
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
CTH P			
231+76	LT & RT	83	BARB WIRE
231+76 - 234+78	LT	270	BARB WIRE
234+78 - 238+42	RT	427	BARB WIRE
235+26 - 235+78	RT	53	BARB WIRE
MARSHFIELD STREET			
119+86 - 120+62	LT	112	BARB WIRE
CATEGORY 0010 SUBTOTAL		945	
PROJECT 6350-07-88 SUBTOTAL		945	
ITEM TOTAL		945	

REMOVING STORM SEWER STRUCTURES

STATION	LOCATION	204.0210 MANHOLES EACH	204.0220 INLETS EACH	COMMENT
PROJECT 6350-07-77				
CATEGORY 0010				
STAGE 3				
CTH P				
255+63.6	33.1' LT		1	
261+48.8	23.3' LT		1	
265+47.8	20.3' LT		1	
269+03.2	17.0' LT		1	
274+86.3	17.0' LT	1		
275+08.0	17.2' LT		1	
277+66.5	17.4' LT	1		
277+67.4	17.3' LT	1		
278+93.6	17.2' LT	1		
280+04.0	17.2' LT	1		
280+03.1	30.5' RT		1	
280+44.1	30.8' RT		1	
281+18.0	44.2' LT		1	SCHOOL AVENUE LT
281+14.1	17.3' RT	1		
287+21.2	23.7' LT		1	
287+73.3	23.3' LT	1		
287+89.1	17.6' LT	1		
287+88.2	23.4' RT		1	
290+09.7	23.5' RT	1		
290+23.0	23.2' LT		1	
290+36.3	42.8' RT	1		GEORGE AVE LT
290+72.4	43.1' RT	1		GEORGE AVE RT
290+74.4	23.7' LT	1		
290+98.9	23.6' RT	1		
291+70.9	17.1' LT		1	
292+08.2	23.6' RT	1		
STAGE 3 SUBTOTAL		14	12	
STAGE 4				
CTH P				
298+05.1	32.7' LT	1		NORTH ROAD LT
298+50.8	41.3' LT	1		NORTH ROAD RT
298+86.7	17.8' LT		1	
300+33.9	17.5' LT	1		
303+41.5	34.4' LT		1	
304+55.1	23.9' LT		1	
CONNER STREET				
100+69.4	37.9' RT		1	
101+89.5	14.6' RT	1		
101+91.2	18.7' RT		1	
102+11.6	18.7' LT		1	
STAGE 4 SUBTOTAL		4	6	
CATEGORY 0010 SUBTOTAL		18	18	
PROJECT 6350-07-77 SUBTOTAL		18	18	
ITEM TOTALS		18	18	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

REMOVING STORM SEWER

STATION	LOCATION	204.0245.01 6-INCH LF	204.0245.02 12-INCH LF	204.0245.03 15-INCH LF	204.0245.04 18-INCH LF	204.0245.05 24-INCH LF
PROJECT 6350-07-77						
CATEGORY 0010						
STAGE 3						
CTH P						
255+63.6	LT & RT		79			
255+63.6	LT	15				
261+48.8	LT & RT		83			
261+48.8	LT	12				
265+47.8	LT & RT			67		
269+03.2	LT & RT		55			
269+03.2	LT	9				
274+86.3	LT & RT				55	
274+86.3 - 278+08.0	LT				22	
274+86.3	LT		9			
277+66.5 - 277+67.4	LT & RT					35
277+66.5	LT		9			
277+66.5 - 278+93.6	LT					128
277+67.4	RT					18
278+93.6	LT		16			
278+93.6 - 280+04.0	LT					111
280+04.0 - 280+03.1	LT & RT		48			
280+04.0	LT				8	
280+03.1 - 280+44.1	LT					42
281+18.0	LT		8			
281+18.0 - 281+14.1	LT & RT				62	
281+14.1	RT					28
281+14.1 - 281+74.1	RT					60
287+21.2	LT		8			
287+73.3	LT		10			
287+73.3	LT				12	
287+73.3	LT				17	
287+73.3	LT					8
287+89.1 - 287+88.2	LT & RT		16			
290+09.7	RT					15
290+09.7 - 290+36.3	RT					33
290+23.0	LT				8	
290+36.3 - 290+72.4	RT					36
290+72.4 - 290+98.9	RT					33
290+74.4	LT				25	
290+98.9	RT				16	
290+98.9 -292+08.2	RT					110
291+70.9	LT & RT		56			
292+08.2	RT					20
STAGE 3 SUBTOTAL		36	397	67	225	677
STAGE 4						
CTH P						
298+05.1	LT					9
298+05.1 - 298+50.8	LT					47
298+50.8	LT					25
298+50.8 - 298+86.7	LT		43			
300+33.9	LT					4
300+33.9	LT					30
303+41.5	LT & RT		73			
304+55.1	LT & RT					61
304+55.1	LT					80
CONNER STREET						
100+69.4 - 304+55.1	RT				45	
101+89.5	RT					28
101+89.5 - 101+91.2	RT		6			
101+89.5 - 102+11.6	LT		41			
STAGE 4 SUBTOTAL		0	163	0	45	284
CATEGORY 0010 SUBTOTAL		36	560	67	270	961
PROJECT 6350-07-77 SUBTOTAL		36	560	67	270	961
ITEM TOTALS		36	560	67	270	961

EXCAVATING, HAULING AND DISPOSAL OF CONTAMINATED SOILS

STATION	LOCATION	205.0501.S TON
PROJECT 6350-07-77		
CATEGORY 0010		
CTH P		
252+00 - 255+00	LT	1000
288+25 - 289+75	RT	280
292+75 - 293+75	LT	190
CATEGORY 0010 SUBTOTAL		1470
PROJECT 6350-07-77 SUBTOTAL		1470
ITEM TOTAL		1470

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

EARTHWORK SUMMARY

DIVISION	STATION	LOCATION	(1) 205.0100 EXCAVATION COMMON CY	(2)(3) SALVAGED/ UNUSABLE MATERIAL CY	(4) AVAILABLE MATERIAL CY	(5) 205.0400 MARSH EXCAVATION CY	(6) 208.1100 SELECT BORROW CY	UNEXPANDED FILL CY	(7) EXPANDED FILL CY	(8) MASS ORDINATE CY	WASTE CY	208.0100 208.0100 BORROW CY	COMMENTS
DIVISION 1 (STAGE 1)													
PROJECT 6350-07-77 (USH 10 FRONTAGE ROADS)													
CATEGORY 0020													
	A-LINE & CTH P	INTERSECTION	153	38	115	0	0	153	199	-84	38	84	
	11+03 to 67+23	A-LINE	5692	1423	4269	0	0	17807	23149	-18880	1423	18880	
	A-LINE & D-LINE	INTERSECTION	98	25	73	0	0	98	127	-54	25	54	
	A-LINE & E-LINE	INTERSECTION	98	25	73	0	0	98	127	-54	25	54	
	A-LINE & NORTH RD	INTERSECTION	183	46	137	0	0	183	238	-101	46	101	
	B-LINE & E-LINE	INTERSECTION	111	28	83	0	0	111	144	-61	28	61	
	100+75 to 103+28	B-LINE	60	15	45	0	0	789	1026	-981	15	981	
	200+94 to 202+25	C-LINE	1368	342	1026	0	0	622	809	217	342	-217	
	C-LINE & E-LINE	INTERSECTION	69	17	52	0	0	69	90	-38	17	38	
	300+75 to 305+50	D-LINE	1099	275	824	0	0	556	723	101	275	-101	
	313+25 to 316+82	D-LINE	810	202	608	0	0	48	62	546	202	-546	
	400+72 to 426+50	E-LINE	5752	1438	4314	0	0	6584	8559	-4245	1438	4245	
CATEGORY 0020 SUBTOTAL			15493	3874	11619	0	0	27118	35253	-23634	3874	23634	
PROJECT 6350-07-77 (USH 10 FRONTAGE ROADS) TOTAL			15493	3874	11619	0	0	27118	35253	-23634	3874	23634	
DIVISION 1 (STAGE 1) TOTAL			**15493**	**3874**	**11619**	**0**	**0**	**27118**	**35253**	**-23634**	**3874**	**23634**	
DIVISION 2 (STAGE 2)													
PROJECT 6350-07-88													
CATEGORY 0010													
	222+25.00 - 241+63.50	CTH P	12591	1207	11384	539	808	13588	17625	-6241	1207	6241	
	107+25.00 - 118+72.50	MARSHFIELD STREET	7312	770	6542	0	0	600	780	5762	770	-5762	
	119+30.70 - 124+56.30	MARSHFIELD STREET	3583	152	3431	70	0	196	255	3176	152	-3176	UTILIZE EXCESS WASTE MATERIAL AS MARSH BACKFILL
CATEGORY 0010 SUBTOTAL			23486	2129	21357	608	808	14384	18660	2697	2129	-2697	
PROJECT 6350-07-88 TOTAL			23486	2129	21357	608	808	14384	18660	2697	2129	-2697	
PROJECT 6350-07-77													
CATEGORY 0010													
	243+64.30 - 254+61.45	CTH P	1835	885	950	413	619	5817	7562	-6612	885	6612	
	10+31.00 - 13+08.00	CTH M	646	162	484	0	0	113	147	337	162	-337	
CATEGORY 0010 SUBTOTAL			2481	1047	1434	413	619	5930	7709	-6275	1047	6275	
PROJECT 6350-07-77 SUBTOTAL			2481	1047	1434	413	619	5930	7709	-6275	1047	6275	
DIVISION 2 (STAGE 2) TOTAL			**25967**	**3176**	**22791**	**1021**	**1427**	**20314**	**26369**	**-3578**	**3176**	**3578**	
DIVISION 3 (STAGE 3)													
PROJECT 6350-07-77													
CATEGORY 0010													
	254+61.45 - 277+50.00	CTH P	7259	2545	4714	1455	0	629	818	3896	2545	-3896	
	254+61.45 - 277+50.00	CTH P (3" OVERLAY)	775	775	0	0	0	0	0	0	775	0	3" OVERLAY NOT INCLUDED IN EXISTING SURFACE
	277+50.00 - 297+64.21	CTH P	5192	2300	2892	409	0	287	374	2518	2300	-2518	
	277+50.00 - 297+64.21	CTH P (3" OVERLAY)	640	640	0	0	0	0	0	0	640	0	3" OVERLAY NOT INCLUDED IN EXISTING SURFACE
	20+29.00 - 20+82.48	E-Z AVENUE	135	19	116	0	0	23	30	86	19	-86	
	21+00.00 - 22+08.37	SHARED-USE PATH	57	0	57	0	0	203	264	-207	0	207	
	70+16.50 - 71+00.00	SCHOOL AVENUE	312	25	287	0	0	2	3	284	25	-284	
	80+16.0 - 80+43.58	BRICKLE AVENUE	75	45	30	0	0	0	0	30	45	-30	
	90+16.0 - 90+50.77	GEORGE AVENUE	80	50	30	0	0	0	0	30	50	-30	
CATEGORY 0010 SUBTOTAL			14525	6399	8126	1864	0	1144	1489	6637	6399	-6637	
PROJECT 6350-07-77 SUBTOTAL			14525	6399	8126	1864	0	1144	1489	6637	6399	-6637	
DIVISION 3 (STAGE 3) TOTAL			**14525**	**6399**	**8126**	**1864**	**0**	**1144**	**1489**	**6637**	**6399**	**-6637**	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

EARTHWORK SUMMARY CONT'D

DIVISION	STATION	LOCATION	(1) 205.0100 EXCAVATION COMMON CY	(2)(3) SALVAGED/ UNUSABLE MATERIAL CY	(4) AVAILABLE MATERIAL CY	(5) 205.0400 MARSH EXCAVATION CY	(6) 208.1100 SELECT BORROW CY	UNEXPANDED FILL CY	(7) EXPANDED FILL CY	(8) MASS ORDINATE CY	WASTE CY	208.0100 208.0100 BORROW CY	COMMENTS
DIVISION 4 (STAGE 4)													
PROJECT 6350-07-77													
CATEGORY 0010													
	297+64.21 - 309+50.41	CTH P	3371	1140	2231	80	0	40	51	2180	1140	-2180	
	297+64.21 - 309+50.41	CTH P (3" OVERLAY)	346	346	0	0	0	0	0	0	346	0	3" OVERLAY NOT INCLUDED IN EXISTING SURFACE
	45+75.00 - 48+27.95	NORTH ROAD	141	85	56	0	0	608	790	-734	85	734	
	48+43.21 - 49+36.80	NORTH ROAD	265	66	199	0	0	83	108	91	66	-91	
	49+85.05 - 50+40.00	NORTH ROAD	272	93	179	0	0	4	6	173	93	-173	
	100+19.5 - 102+24.91	CONNOR STREET	413	215	198	0	0	14	19	179	215	-179	
	100+19.5 - 102+24.91	CONNOR STREET (3" OVERLAY)	45	45	0	0	0	0	0	0	45	0	3" OVERLAY NOT INCLUDED IN EXISTING SURFACE
CATEGORY 0010 SUBTOTAL			4853	1990	2863	80	0	749	974	1889	1990	-1889	
PROJECT 6350-07-77 SUBTOTAL			4853	1990	2863	80	0	749	974	1889	1990	-1889	
PROJECT 6350-07-88													
CATEGORY 0010	207+11.65 - 223+00.00	CTH P	0	0	0	0	0	0	0	0	0	0	
CATEGORY 0010 SUBTOTAL			0	0	0	0	0	0	0	0	0	0	
PROJECT 6350-07-88 SUBTOTAL			0	0	0	0	0	0	0	0	0	0	
DIVISION 4 (STAGE 4) TOTAL			**4853**	**1990**	**2863**	**80**	**0**	**749**	**974**	**1889**	**1990**	**-1889**	
PROJECT 6350-07-77 CATEGORY 0010 TOTAL			21859			2357	619					3578	
PROJECT 6350-07-77 CATEGORY 0020 TOTAL			15493			0	0					23634	
PROJECT 6350-07-88 CATEGORY 0010 TOTAL			23486			608	808					0	
		GRAND TOTALS	60838			2965	1427					27212	

(1) EXCAVATION COMMON IS THE TOTAL VOLUME OF CUT. ITEM NUMBER 205.0100

(2) SALVAGED/ UNUSABLE PAVEMENT MATERIAL ARE INCLUDED IN THE QUANTITY OF EXCAVATION COMMON.

(3) SALVAGED/ UNUSABLE PAVEMENT MATERIAL. STAGE 1 ASSUMED 25% OF CUT WILL BE SATURATED CLAY/SILT MATERIALS.

(4) AVAILABLE MATERIAL = EXCAVATION COMMON - UNUSABLE PAVEMENT MATERIAL.

(5) MARSH EXCAVATION WAS ASSUMMED AT A DEPTH OF 12". NO MARSH PROBES WERE TAKEN.

(6) EXPANDED MARSH BACKFILL FACTOR = 1.50. EXCAVATED MARSH AREAS WITHIN THE SUBGRADE LIMITS WILL BE FILLED WITH THE ITEM OF SELECT BORROW MATERIAL. WASTE MATERIAL OUTSIDE THE SUBGRADE LIMITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER IN THE FIELD.

(7) STAGES 2, 3 AND 4 EXPANDED FILL FACTOR = 1.30 STAGE 1 EXPANDED FILL FACTOR = 1.30

(8) THE MASS ORDINATE + OR - QTY FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL AND A MINUS QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

THE MASS ORDINATE IS = EXCAVATION COMMON - SALVAGED/UNUSABLE PAVEMENT MATERIAL - EXPANDED FILL.

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

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FINISHING ROADWAY

STATION	LOCATION	213.0100 STA
PROJECT 6350-07-88	LT & RT	1
PROJECT 6350-07-77	LT & RT	1
ITEM TOTAL		2

OBLITERATING OLD ROAD

STATION	LOCATION	214.0100 STA	COMMENT
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
CTH P (OLD USH 10)			
227+40.0"A" - 232+90.0"A"	LT & RT	5.5	
230+10.0"A"	140' RT	1.5	
CATEGORY 0010 SUBTOTAL		7	
PROJECT 6350-07-88 SUBTOTAL		7	
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 3			
MARSHFIELD STREET			
27+00.9 - 27+62.5	LT & RT	0.7	
28+03.8 - 29+18.8	LT & RT	1.2	
FUEHRER AVENUE			
37+64.2 - 38+39.4	LT & RT	0.8	
38+72.4 - 39+20.5	LT & RT	0.5	
SCHULTZ AVENUE			
57+70.3 - 58+49.2	LT & RT	0.8	
58+76.0 - 59+26.2	LT & RT	0.6	
GEORGE AVENUE			
87+71.6 - 88+43.7	LT & RT	0.7	
88+78.2 - 89+41.9	LT & RT	0.7	
STAGE 3 SUBTOTAL		6	
CATEGORY 0010 SUBTOTAL		6	
PROJECT 6350-07-77 SUBTOTAL		6	
ITEM TOTAL		13 *	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

BASE COURSE ITEMS

STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	317.1000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	624.0100 WATER MGAL	COMMENTS
PROJECT 6350-07-88							
CATEGORY 0010							
STAGE 2							
CTH P							
223+00.00 - 241+31.68	LT & RT	244	5812		5812	58	
227+34.20 - 231+00.00	LT & RT			1580			
241+31.68 - 241+63.47	LT & RT		71		71	0.71	
MARSHFIELD ST							
108+50.00 - 118+72.47	LT & RT	79	2741		2741	27	
118+29.7-118+72.5	LT & RT			223			
119+30.69 - 124+56.30	LT & RT	28	1443	1645	1443	14	
DRIVEWAYS							
226+35	RT	39					
226+42	LT	65					
228+56	LT	159					
111+58	LT	54					
111+58	RT	31					
115+17.7 - 116+74.6	RT	99					
120+77.5	RT	102					
121+20.4	LT	40					
122+23.2	LT	35					
122+85.1	RT	12					
122+85.8	LT	11					
UNDISTRIBUTED	LT & RT	100	1007	345	1007	10	
CATEGORY 0010 SUBTOTAL		1098	11074	3793	11074	109.7	
PROJECT 6350-07-88 SUBTOTAL		1098	11074	3793	11074	109.7	
PROJECT 6350-07-77							
CATEGORY 0010							
STAGE 2							
CTH P							
243+64.34 - 244+04.70	LT & RT	0.0	90		90	0.9	
244+04.70 - 254+61.45	LT & RT	149.0	2120		2120	21	
CTH M							
10+30.97 - 13+08.12	LT & RT	63.0	809		809	8	
UNDISTRIBUTED	LT & RT	21	302	0	302	3	
STAGE 2 SUBTOTAL		233	3321	0	3321	33	
STAGE 3							
CTH P							
254+61.45 - 277+50.00	LT & RT	292.0	3643	779	3643	36	
254+61.45 - 259+49.00	RT		246	415	246	2	
254+61.45 - 277+50.0	12' RT		381	483	381	4	UNDER DRAIN
255+67.8	LT & RT		27	48	27	0.3	SS CROSSING
257+00.0	RT		2	16	2	0.02	UNDER DRAIN OUTLET
259+04.0	LT & RT		17	30	17	0.17	SS CROSSING
259+50.0	RT		2	3	2	0.02	UNDER DRAIN OUTLET
261+46.5	LT & RT		27	52	27	0.3	SS CROSSING
262+00.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
264+50.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
265+42.4	LT & RT		19	35	19	0.19	SS CROSSING
267+00.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
269+03.0	LT & RT		15	26	15	0.15	SS CROSSING
269+50.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
272+00.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
274+75.6	RT		3	5	3	0.03	UNDER DRAIN OUTLET
274+86.0	LT & RT		17	30	17	0.17	SS CROSSING
277+50.00 - 297+64.21	LT & RT	41.0	3224	993	3224	32	
277+67.0	LT & RT		14	23	14	0.14	SS CROSSING
280+03.7	LT & RT		12	19	12	0.12	SS CROSSING
281+08.5 -281+65.6	LT & RT		33	54	33	0.33	SS CROSSING
287+88.8	LT & RT		8	12	8	0.08	SS CROSSING
289+99.0-291+72.0	RT		66	112	66	0.66	SS CROSSING
292+25.00 - 297+64.21	12' RT		90	115	90	0.90	UNDER DRAIN
293+00.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
295+45.4	RT		4	8	4	0.04	UNDER DRAIN OUTLET
297+50.0	RT		4	6	4	0.04	UNDER DRAIN OUTLET

BASE COURSE ITEMS

TATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	317.1000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	624.0100 WATER MGAL	COMMENTS
E-Z AVENUE							
20+29.00 - 20+82.48	LT & RT	9.0	155	80	155	2	
SCHOOL AVENUE							
70+16.42 - 71+00.00	LT & RT	3.0	261	270	261	3	
BRICKLE AVENUE							
80+16.00 - 80+43.58	LT & RT	11.0	56	37	56	0.56	
80+46.50 - 80+48.50 (DW)	RT	1.0					
GEORGE AVE							
90+16.00 - 90+50.77	LT & RT	12.0	71	46	71	0.71	
90+32.3 - 90+50.8	RT	4.0					
90+41.3 - 90+50.8	LT	2.0					
DRIVEWAYS							
254+64.4 - 255+12.7	RT	12.0					ASPHALT SIDEWALK
257+48	LT	15.0					
258+52	LT	16.0					
259+74	LT	17.0					
260+00	LT & RT	9.0					
261+00	LT	16.0					
261+73	LT	19.0					
263+55	LT	22.0					
264+39	LT	19.0					
265+19	LT	12.0					
265+64	LT	13.0					
266+79	LT	8.0					
269+26	LT	10.0					
269+96	LT	12.0					
270+44	LT	12.0					
271+25	LT	14.0					
272+26	LT	10.0					
272+66	LT	8.0					
273+33	LT	10.0					
274+00	LT	17.0					
274+68	LT	8.0					
276+27	LT	12.0					
277+90	LT	10.0					
278+93.2	LT	2.0					SIDEWALK
279+14	LT	9.0					
280+28	LT	9.0					
283+00	LT	26.0					
283+62	LT	10.0					
284+34	LT	6.0					
284+75	LT	6.0					
285+79	LT	15.0					
290+54	RT	10.0					
289+23	LT	13.0					
292+00	LT	14.0					
293+29	LT	9.0					
293+62	LT	8.0					
294+46	LT	7.0					
295+30	LT	9.0					
296+47	LT	6.0					
297+00	LT	7.0					
297+50	LT	8.0					
TERRACE							
285+20.8 - 285+61.8	LT	10.0					
285+94.6 - 287+22.5	LT	31.0					
287+69.9 - 289+09.7	LT	33.0					
289+39.6 - 290+35.9	LT	19.0					
290+75.3 - 291+76.8	LT	22.0					
292+11.3 - 293+17.4	LT	24.0					
293+38.0 - 293+51.7	LT	3.0					
UNDISTRIBUTED	LT & RT	99	841	372	841	8	
STAGE 3 SUBTOTAL		1091	9250	4093	9250	91.65	
STAGE 4							
CTH P							

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

BASE COURSE ITEMS

STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	317.1000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	624.0100 WATER MGAL	COMMENTS
297+64.21 - 309+50.41	LT & RT	143.0	2203	916	2203	22	
299+50.0 - 309+50.41	12' RT		167	212	167	2	UNDER DRAIN
300+00.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
302+50.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
440	RT		17	31	17	0.17	SS CROSSING
304+54.5	RT		19	35	19	0.19	SS CROSSING
305+00.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
307+50.0	RT		2	4	2	0.02	UNDER DRAIN OUTLET
NORTH RD							
45+75.00 - 48+27.94	LT & RT	58.0	730		730	7	
47+15.0 - 48+95.0	LT & RT	13.0					ISLAND
48+43.21 - 49+36.80	LT & RT	0.0	361		361	4	
49+85.04 - 50+40.00	LT & RT	0.0	226	234	226	2	
CONNOR ST							
100+19.49 - 102+24.91	LT & RT	58.0	425	105	425	4	
DRIVEWAYS							
47+31.0	LT	20.0					
47+60.0	LT	29.0					
299+50	LT	18.0					
300+10	LT	30.0					
301+39	LT	20.0					
305+65	LT	20.0					
306+40	LT	11.0					
307+16	LT	12.0					
308+00	LT	10.0					
101+64	LT	14.0					
UNDISTRIBUTED	LT & RT	53	416	155	416	4	
STAGE 4 SUBTOTAL		579	4572	1704	4572	45.44	
CATEGORY 0010 SUBTOTAL		1903	17142	5797	17142	170.09	
PROJECT 6350-07-77 SUBTOTAL		1903	17142	5797	17142	170.09	
ITEM TOTALS		3001	28216	9590	28216	279.8	

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*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SHAPING SHOULDERS

STATION	LOCATION	305.0500 STA	COMMENT
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 4			
CTH P			
207+11.65 - 223+00.00	LT & RT	32	
CATEGORY 0010 SUBTOTAL		32	
PROJECT 6350-07-88 TOTAL		32	

CONCRETE PAVEMENT 8-INCH

STATION	LOCATION	415.0080 SY
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
241+31.68 - 241+46.38	LT	4
CATEGORY 0010 SUBTOTAL		4
PROJECT 6350-07-88 SUBTOTAL		4
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
243+37.99 - 243+52.5	LT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-77 SUBTOTAL		1
ITEM TOTAL		5

CONCRETE PAVEMENT APPROACH SLAB

STATION	LOCATION	415.0410 SY
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
241+31.68 - 241+63.50	LT & RT	160
CATEGORY 0010 SUBTOTAL		160
PROJECT 6350-07-88 SUBTOTAL		160
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
243+64.34- 244+04.7	LT & RT	207
CATEGORY 0010 SUBTOTAL		207
PROJECT 6350-07-77 SUBTOTAL		207
ITEM TOTAL		367

CONCRETE DRIVEWAY

STATION	LOCATION	416.0160 6-INCH SY
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
MARSHFIELD STREET		
120+77.5	RT	20
121+20.4	LT	97
122+23.2	LT	16
122+85.1	RT	12
122+85.8	LT	10
CATEGORY 0010 SUBTOTAL		155
PROJECT 6350-07-88 SUBTOTAL		155
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 3		
CTH P		
257+48	LT	17
258+52	LT	45
259+74	LT	48
261+00	LT	44
261+73	LT	54
263+55	LT	61
264+39	LT	54
265+19	LT	34
265+64	LT	35
266+79	LT	21
269+26	LT	26
269+96	LT	34
270+44	LT	34
271+25	LT	39
272+26	LT	26
272+66	LT	21
273+33	LT	27
274+00	LT	21
274+68	LT	22
276+27	LT	34
277+90	LT	28
279+14	LT	23
280+28	LT	25
283+00	LT	74
283+62	LT	26
284+34	LT	17
284+75	LT	17
285+79	LT	41
289+23	LT	36
290+54	RT	24
292+00	LT	39
293+29	LT	25
293+62	LT	21
294+46	LT	19
295+30	LT	29
296+47	LT	17
297+00	LT	17
297+50	LT	22
STAGE 3 SUBTOTAL		1197
STAGE 4		
CTH P		
299+50	LT	15
300+10	LT	16
301+39	LT	25
305+65	LT	18
306+40	LT	17
307+16	LT	16
308+00	LT	15
CONNOR ST		
101+64	LT	13
NORTH ROAD		
50+38	RT	7
STAGE 4 SUBTOTAL		142
CATEGORY 0010 SUBTOTAL		1339
PROJECT 6350-07-77 SUBTOTAL		1339
ITEM TOTAL		1494

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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DRILLED TIE BARS

STATION	LOCATION	416.0610 EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
241+31.68 - 241+46.38	LT	10
241+31.68 - 241+82.34	RT	18
CATEGORY 0010 SUBTOTAL		28
PROJECT 6350-07-88 SUBTOTAL		28
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
243+39.84 - 244+04.7	LT	16
243+88.18 - 244+04.7	RT	17
CATEGORY 0010 SUBTOTAL		33
PROJECT 6350-07-77 SUBTOTAL		33
ITEM TOTAL		61

CONCRETE SURFACE DRAINS

STATION	LOCATION	416.1010 CY
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
241+31.68 - 241+82.34	RT	4
CATEGORY 0010 SUBTOTAL		4
PROJECT 6350-07-88 SUBTOTAL		4
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
243+39.84 - 244+20.37	RT	3
CATEGORY 0010 SUBTOTAL		3
PROJECT 6350-07-77 SUBTOTAL		3
ITEM TOTAL		7

REHEATING HMA LONGITUDINAL JOINTS

STATION	LOCATION	460.4110.S LF
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
223+00.00-241+31.7	LT & RT	1863
MARSHFIELD STREET		
108+50.0-124+56.3	LT & RT	1607
STAGE 2 SUBTOTAL		3470
STAGE 4		
CTH P		
207+11.6 - 223+00.0	LT & RT	1589
STAGE 4 SUBTOTAL	LT & RT	1589
CATEGORY 0010 SUBTOTAL		5059
PROJECT 6350-07-88 SUBTOTAL		5059
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
244+04.1 - 254+61.5	LT & RT	1058
CTH M		
10+00 -12+27.1	LT & RT	228
STAGE 2 SUBTOTAL		1286
STAGE 3		
CTH P		
254+61.5 - 277+50.0	LT & RT	2289
277+50.0 - 297+64.2	LT & RT	2015
E-Z AVE		
20+00.0 - 20+82.5	LT & RT	83
SCHOOL AVE		
70+00.0 - 71+00.0	LT & RT	100
BRICKLE AVE		
80+00.0 - 80+43.6	LT & RT	44
GEORGE AVE		
90+00.0 - 90+50.8	LT & RT	51
STAGE 3 SUBTOTAL		4582
STAGE 4		
CTH P		
297+64.2 - 309+50.4	LT & RT	1187
NORTH ROAD		
45+75.0 - 48+27.9	LT & RT	253
48+43.2 - 50+40.0		197
CONNOR STREET		
100+00.0 - 102+24.9	LT & RT	225
STAGE 4 SUBTOTAL		1862
CATEGORY 0010 SUBTOTAL		7730
PROJECT 6350-07-77 SUBTOTAL		7730
ITEM TOTAL		12789 *

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

ASPHALTIC CONCRETE PAVEMENT ITEMS

STATION	LOCATION	455.0145 ASPHALTIC MATERIAL PG64-34P TON	455.0605 TACK COAT GAL	460.1101 HMA PAVEMENT TYPE E-1 TON	460.4000 HMA COLD WEATHER PAVING TON	465.0105 ASPHALTIC SURFACE TON
PROJECT 6350-07-88						
CATEGORY 0010						
STAGE 2						
CTH P						
223+00.00 - 241+31.68	LT & RT	105	425	1903		
MARSHFIELD STREET						
108+50.00 - 118+72.47	LT & RT	49	200	894		
119+30.69 - 124+56.30	LT & RT	25	101	452		
DRIVEWAYS						
122+23.2	LT					11.5
122+85.8	LT					2.5
STAGE 2 SUBTOTAL		179	726	3249		14.0
STAGE 4						
CTH P						
207+11.65 - 203+00.00	LT & RT	71	287	1285	320	
STAGE 4 SUBTOTAL		71	287	1285	320	0
CATEGORY 0010 SUBTOTAL		250	1013	4534	320	14
PROJECT 6350-07-88 SUBTOTAL		250	1013	4534	320	14
PROJECT 6350-07-77						
CATEGORY 0010						
STAGE 2						
CTH P						
244+04.70 - 254+61.45	LT & RT	81	329	1476		
CTH M						
10+30.97 - 12+27.24	LT & RT	13	53	240		
STAGE 2 SUBTOTAL		94	382	1716		0
STAGE 3						
CTH P						
254+61.45 - 277+50.00	LT & RT	115	467	2093		
277+50.00 - 297+64.21	LT & RT	94	383	1718		
E-Z AVE						
20+29.00 - 20+82.48	LT & RT	4	17	75		
SCHOOL AVE						
70+16.42 - 71+00.00	LT & RT	4	16	72		
BRICKLE AVE						
80+16.00 - 80+43.58	LT & RT	2	6	29		
80+46.5 - 80+48.5 (DW)	LT					0.3
GEORGE AVE						
90+16.00 - 90+50.77	LT & RT	2	8	35		
90+32.3 - 90+50.8	RT					1.4
90+41.3 - 90+50.8	LT					0.7
DRIVEWAYS						
254+64.4 - 255+12.7 (SIDEWALK)	RT					3.8
257+48	LT					1.4
274+00	LT					1.1
TERRACE						
285+20.8 - 285+61.8	LT					4.6
285+94.6 - 287+22.5	LT					14.9
287+69.9 - 289+09.7	LT					16.0
289+39.6 - 290+35.9	LT					9.1
290+75.3 - 291+76.8	LT					10.5
292+11.3 - 293+17.4	LT					11.3
293+38.0 - 293+51.7	LT					1.0
STAGE 3 SUBTOTAL		221	897	4022		76.1
STAGE 4						
CTH P						
297+64.21 - 309+50.41	LT & RT	60	245	1096	274	

ASPHALTIC CONCRETE PAVEMENT ITEMS CONT'D

STATION	LOCATION	455.0145 ASPHALTIC MATERIAL PG64-34P TON	455.0605 TACK COAT GAL	460.1101 HMA PAVEMENT TYPE E-1 TON	460.4000 HMA COLD WEATHER PAVING TON	465.0105 ASPHALTIC SURFACE TON
45+75.00 - 48+27.94	LT & RT	10	40	180	45	
48+43.21 - 49+36.80	LT & RT	7	27	119	30	
49+85.04 - 50+40.00	LT & RT	3	13	60	15	
CONNOR ST						
100+19.49 - 102+24.91	LT & RT	13	51	231	57	
DRIVEWAYS						
301+39	LT					3.3
305+65	LT					6.7
306+40	LT					2.4
307+16	LT					3.0
308+00	LT					2.2
101+64	LT (CONNOR ST)					2.4
STAGE 4 SUBTOTAL		93	376	1686	421	20.0
PROJECT 6350-07-77 SUBTOTAL		408	1655	7424	421	96
ITEM TOTALS		658	2668	11958	741	110

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*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 SY
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
MARSHFIELD ST		
118+09.9	LT	13
CATEGORY 0010 SJBTOTAL		13
PROJECT 6350-07-88 SUBTOTAL		13
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
244+20.3	RT	10
249+60.0	LT	14
CTH M		
11+02.5	LT	18
STAGE 2 SUBTOTAL		42
STAGE 3		
CTH P		
297+58.2	RT	9
E-Z AVENUE		
20+80.5	LT	9
STAGE 3 SUBTOTAL		18
STAGE 4		
CTH P		
309+37.7	LT	10
NORTH ROAD		
49+18.1	RT	9
STAGE 4 SUBTOTAL		19
CATEGORY 0010 SJBTOTAL		79
PROJECT 6350-07-77 SUBTOTAL		79
ITEM TOTAL		92*

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

CULVERT PIPE LINERS

STATION	LOCATION	520.9700.S.01 24-INCH LF	520.9700.S.02 48-INCH LF	520.9750.S CLEANING CULVERT PIPES FOR LINER VERIFICATION EACH	SPV.0090.10 REGRADE DITCH LF
PROJECT 6350-07-77					
CATEGORY 0010					
STAGE 3					
CTH P					
281+61.5	96' RT	70		1	150
294+99.0	94' RT		68	1	250
CATEGORY 0010 SUBTOTAL		70	68	2	400
PROJECT 6350-07-77 SUBTOTAL		70	68	2	400
PROJECT 6350-07-77 TOTAL		70	68	2	400

PIPE CULVERTS

		521.0118	521.0124	521.0130	521.1018	521.1024	521.1030	522.0130	522.0136	522.1030	522.1036
		CULVERT PIPE CORRUGATED STEEL			APRON ENWALLS FOR CULVERT PIPE STEEL			CULVERT PIPE REINFORCED CONCRETE CLASS III		APRON ENWALLS FOR CULVERT PIPE REINFORCED CONCRETE	
STATION	LOCATION	18-INCH LF	24-INCH LF	30-INCH LF	18-INCH EACH	24-INCH EACH	30-INCH EACH	30-INCH LF	36-INCH LF	30-INCH EACH	36-INCH EACH
PROJECT 6350-07-88											
CATEGORY 0010											
STAGE 2											
CTH P											
226+35	RT	44			2						
226+42	LT		40			2					
MARSHFIELD ST											
111+58	LT	48			2						
111+58	RT			32			2				
CATEGORY 0010 SUBTOTAL		92	40	32	4	2	2	0	0	0	0
PROJECT 6350-07-88 SUBTOTAL		92	40	32	4	2	2	0	0	0	0
PROJECT 6350-07-77											
CATEGORY 0010											
STAGE 3											
CTH P											
260+16	RT								48		2
NORTH RD											
49+14.90	LT							88		2	
CATEGORY 0010 SUBTOTAL		0	0	0	0	0	0	88	48	2	2
PROJECT 6350-07-77 SUBTOTAL		0	0	0	0	0	0	88	48	2	2
ITEM TOTALS		92*	40	32	4*	2	2	88	48	2	2

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MINIMUM WALL THICKNESS FOR ALL 18-INCH AND 24-INCH CORRUGATED STEEL PIPE IS 0.064.MINIMUM WALL THICKNESS FOR ALL 30-INCH CORRUGATED STEEL PIPE IS 0.079.

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE CURB & GUTTER

STATION	LOCATION	601.0407 18-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	COMMENTS
PROJECT 6350-07-88							
CATEGORY 0010							
STAGE 2							
CTH P							
227+34.20-229+30.38	RT				190		
MARSHFIELD STREET							
118+14.10-118+69.10	LT				84		RADIUS
118+29.68-118+72.47	RT				69		RADIUS
119+25.64-119+87.21	LT				85		RADIUS
119+41.57-120+09.36	RT				106		RADIUS
119+87.21-124+20.90	LT			434			
120+08.87-124+20.90	RT			412			
124+20.9 - 124+40.9	LT			29			RADIUS
CATEGORY 0010 SUBTOTAL		0	0	875	534	0	
PROJECT 6350-07-88 SUBTOTAL		0	0	875	534	0	
PROJECT 6350-07-77							
CATEGORY 0010							
STAGE 2							
CTH P							
243+52.5-244+04.7	LT		54				
CTH M							
10+61.41 - 10+98.31	LT				78		RADIUS
10+08.11 - 10+54.04	RT				56		RADIUS
10+39.65 - 10+44.17	LT	19					ISLAND
10+42.08 - 10+81.64	LT	40					ISLAND
10+48.20 - 10+82.23	LT	40					ISLAND
STAGE 2 SUBTOTAL		99	54		134		
STAGE 3							
CTH P							
255+89.53- 257+39.48	LT			150			
257+39.48 - 259+01.98	LT			163			RT TURN TAPER
259+01.98 - 277+50.00	LT			1848			
277+50.00 - 280+71.82	LT			322			
277+50.00 - 292+25.00	RT			1475			
281+84.58 - 287+05.12	LT			521			
287+87.12 - 290+04.62	LT			218			
290+89.55 - 292+25.00	LT			136			
292+25.00 - 297+64.20	LT			540			
E-Z AVENUE							
20+28.0 - 20+74.5	LT				68		RADIUS
20+29.5 - 20+74.4	RT			71			RADIUS
SCHOOL AVENUE							
70+06 - 70+40.6	LT				66		RADIUS
70+30.2 - 70+60.2	LT				28		
70+60.2 - 70+88.0	RT				54		RADIUS
BRICKLE AVENUE							
80+16.0 - 80+43.6	LT			39			RADIUS
80+16.0 - 80+43.6	RT			39			RADIUS
GEORGE AVENUE							
90+16.0 - 90+50.8	LT			52			RADIUS
90+16.0 - 90+36.1	RT			29			RADIUS
90+36.1 - 90+50.8	RT			15			
STAGE 3 SUBTOTAL		0	0	5618	216	0	

CONCRETE CURB & GUTTER CONT'D

STATION	LOCATION	601.0407 18-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	COMMENTS
STAGE 4							
CTH P							
297+64.2 - 297+76.1	LT			12			
298+88.8 - 300+38.8	LT			150			
300+38.8 - 300+98.8	LT			60			TAPER
300+98.8 - 302+99.8	LT			201			
304+52.8 - 306+05.8	LT			153			TAPER
306+05.8 - 307+42.8	LT			237			
307+42.8 - 309+32.8	LT			90			TAPER
NORTH ROAD							
47+15.0 - 48+15.0	LT			100			MEDIAN
47+15.0 - 48+15.0	RT			100			MEDIAN
48+59.4 - 49+09.4	LT			50			MEDIAN
48+59.4 - 49+09.4	RT			50			MEDIAN
48+53.4 - 48+85.3	LT				32		
48+85.3 - 49+53.7	LT				93		RADIUS
48+43.8 - 48+83.2	RT				40		
48+83.2 - 49+22.5	RT				66		RADIUS
49+95.6 - 50+31.8	LT			62			RADIUS
50+31.8 - 50+40.0	LT			9			
49+76.1 - 50+20.1	RT			59			RADIUS
50+08.6 - 50+25.0	LT					27	
50+20.0 - 50+40.0	RT			20			
CONNOR ST							
100+00.2 - 100+44.0	LT			65			RADIUS
100+44.0 - 102+24.9	LT			181			
100+56.3 - 101+17.6	RT			89			RADIUS
101+17.6 - 102+24.9	RT			108			
STAGE 4 SUBTOTAL		0	0	1796	231	27	
PROJECT 6350-07-77 SUBTOTAL		99	54	7414	581	27	
ITEM TOTALS		99	54	8289	1115 *	27	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE SIDEWALK

STATION	LOCATION	602.0405 4-INCH SF	602.0410 5-INCH SF	602.0415 6-INCH SF	COMMENTS
PROJECT 6350-07-88					
CATEGORY 0010					
STAGE 2					
MARSHFIELD STREET					
121+04.7 - 121+34.9	LT			144	
121+34.9 - 122+08.8	LT	359			
122+08.8 - 121+37.6	LT			144	
121+37.6 - 121+77.4	LT	200			
121+77.4 - 191+94.2	LT			84	
191+94.2 - 124+26.6	LT	663			
124+26.6 - 124+34.9	LT		53		SIDEWALK RAMP
CTH M					
10+41.1 - 10+81.6	LT	384			ISLAND
CATEGORY 0010 SUBTOTAL		1606	53	372	
PROJECT 6350-07-88 SUBTOTAL		1606	53	372	
PROJECT 6350-07-77					
CATEGORY 0010					
STAGE 3					
CTH P					
254+64.5	LT		39		SIDEWALK RAMP
254+64.5	RT		55		SIDEWALK RAMP
254+64.5 - 254+84.3	LT	120			
255+71.8 - 255+84.6	LT	65			
257+30.4 - 257+63.6	LT	60		107	
260+01.2	LT	128			
260+01.2	LT		72		SIDEWALK RAMP
260+01.2	RT		132		SIDEWALK RAMP
273+86.7 - 274+15.3	LT	60		83	
278+88.2 - 278+98.2	LT	51			
E-Z AVE					
20+46.6	LT		52		SIDEWALK RAMP
20+41.6	RT		55		SIDEWALK RAMP
SCHOOL AVE					
70+38.1	LT		55		SIDEWALK RAMP
70+25.5	RT		55		SIDEWALK RAMP
BRICKLE AVE					
80+30.8	LT		49		SIDEWALK RAMP
80+30.5	RT		49		SIDEWALK RAMP
80+28.3 - 80+46.5	LT	188			
80+28.0 - 80+43.0	RT	103			
GEORGE AVE					
90+30.3	LT		41		SIDEWALK RAMP
90+29.9	RT		41		SIDEWALK RAMP
90+27.9 - 90+50.8	LT	217			
90+27.3 - 90+50.8	RT	142			
STAGE 3 SUBTOTAL		1134	695	190	
STAGE 4					
CTH P					
298+74.8 - 299+41.8	LT	356			
299+41.8 - 299+66.2	LT			123	
299+66.2 - 299+95.6	LT	148			
299+95.6 - 300+21.6	LT			130	
300+21.6 - 301+28.8	LT	536			
301+28.8 - 301+49.2	LT			103	
301+49.2 - 303+03.2	LT	772			
NORTH RD					
47+15.0 - 48+15.0	LT & RT	500			MEDIAN
48+59.4 - 49+08.4	LT & RT	250			MEDIAN
50+03.9	LT		64		SIDEWALK RAMP
49+90.9	RT		65		SIDEWALK RAMP
50+03.1 - 50+40.0	LT	282			
CONNOR ST					
303+03.2 - 100+47.3	LT	265			RADIUS
100+47.3 - 101+52.8	LT	719			
101+52.8 - 101+71.2	LT			110	
101+71.2 - 102+24.9	LT	294			
101+99.0	LT		33		SIDEWALK RAMP
101+99.0	RT		33		SIDEWALK RAMP
101+96.2 - 102+24.9	RT	143			
STAGE 4 SUBTOTAL		4265	195	466	
CATEGORY 0010 SUBTOTAL		5399	890	656	
PROJECT 6350-07-77 SUBTOTAL		5399	890	656	
ITEM TOTALS		7005	943	1028	

CURB RAMP DETECTABLE WARNING FIELD YELLOW

STATION	LOCATION	602.0505 SF	COMMENTS
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
MARSHFIELD STREET			
124+34.9	24.5' LT	8	2- 2' X 2'
CATEGORY 0010 SUBTOTAL		8	
PROJECT 6350-07-88 SUBTOTAL		8	
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 3			
CTH P			
254+64.5	32.3' LT	8	1- 2' X 4'
254+64.5	31.0' RT	8	1- 2' X 4'
260+01.2	18.5' LT	16	2- 2' X 4'
260+01.2	22.0' RT	16	2- 2' X 4'
E-Z AVE			
20+46.6	32.5' LT	8	2- 2' X 2'
20+41.6	37.8' RT	8	2- 2' X 2'
SCHOOL AVE			
70+38.1	31.6' LT	8	2- 2' X 2'
70+25.5	21.8' RT	8	2- 2' X 2'
BRICKLE AVE			
80+30.8	20.9' LT	8	2- 2' X 2'
80+30.5	21.1' RT	8	2- 2' X 2'
GEORGE AVE			
90+30.3	24.7' LT	8	2- 2' X 2'
90+29.9	18.7' RT	8	2- 2' X 2'
STAGE 3 SUBTOTAL		112	
STAGE 4			
NORTH RD			
50+03.9	32.3' LT	8	2- 2' X 2'
49+90.9	29.6' RT	8	2- 2' X 2'
CONNOR ST			
101+99.0	20.0' LT	8	1- 2' X 4'
101+99.0	20.0' RT	8	1- 2' X 4'
STAGE 4 SUBTOTAL		32	
CATEGORY 0010 SUBTOTAL		144	
6350-07-77 SUBTOTAL		144	
ITEM TOTAL		152	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

EROSION CONTROL ITEMS

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	SILT FENCE RELIEF EACH	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2002 EROSION MAT CLASS I TYPE A SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 URBAN CLASS I TYPE A SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	645.0120 GEOTEXTILE FABRIC TYPE HR SY
PROJECT 6350-07-88																	
CATEGORY 0010																	
STAGE 2																	
CTH P																	
222+50 - 241+63.50	LT & RT	18	2014	2014	4			3996	1752		6	4	2	120	2		63
MARSHFIELD STREET																	
107+25 - 124+56.30	LT & RT	10						2979		1796	5		5	170	3		38
UNDISTRIBUTED																	
STAGE 2		7	504	504	1	1	3	1744	438	449	3	1	2	73	1	10	25
CATEGORY 0010 SUBTOTAL		35	2518	2518	5	1	3	8719	2190	2245	14	5	9	363	6	10	126
PROJECT 6350-07-88 SUBTOTAL		35	2518	2518	5	1	3	8719	2190	2245	14	5	9	363	6	10	126
PROJECT 6350-07-77																	
CATEGORY 0010																	
STAGE 2																	
CTH P																	
241+63.50 - 254+61.45	LT & RT	20	1871	1871	1			291	386		2	1	1	80	3		62
CTH M																	
10+00.00 - 13+08.00	LT & RT	11						861	373		2	2			3		30
UNDISTRIBUTED																	
STAGE 2		8	468	468		1	3	288	190	0	1	1	0	20	1	10	23
STAGE 2 SUBTOTAL		39	2339	2339	1	1	3	1440	949	0	5	4	1	100	7	10	115
STAGE 3																	
CTH P																	
254+61.45 - 277+50.00	LT & RT	45						1746	3026	8235	9	1	8	170	3		162
277+50.00 - 297+64.21	LT & RT	16	422	422				813	311	3789	19		19	40	2		61
SCHOOL AVENUE										126	1	1					
70+00 - 71+00	LT & RT	11						861	373		2	2			3		30
UNDISTRIBUTED																	
STAGE 3		18	106	106		1	4	855	928	3038	8	1	7	53	1	10	63
STAGE 3 SUBTOTAL		90	528	528		1	4	4275	4638	15188	39	5	34	263	9	10	316
STAGE 4																	
CTH P																	
297+64.21 - 309+50.41	LT & RT	61	893	893				275	174	837	3		3	10	3		179
NORTH ROAD																	
45+75.00 - 50+40.00	LT & RT		222	222					289	469	2		2				
CONNOR STREET																	
100+00.00 - 102+24.91	LT & RT									662	4	2	2				
UNDISTRIBUTED																	
STAGE 4		15	279	279		1	3	69	116	492	2	1	2			10	45
STAGE 4 SUBTOTAL		76	1394	1394		1	3	344	579	2460	11	3	9	10	3	10	224
CATEGORY 0010 SUBTOTAL		205	4260	4260	1	3	10	6059	6165	17648	55	11	44	373	19	30	655
PROJECT 6350-07-77 SUBTOTAL		205	4260	4260	1	3	10	6059	6165	17648	55	11	44	373	19	30	655
ITEM TOTALS		240 *	6778 *	6778 *	6	4 *	13 *	14778	8355 *	19893 *	69	16	53	735*	25 *	40	781 *

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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STORM SEWER STRUCTURE ITEMS

STATION	520.8000 CONC COLLARS FOR PIPE EACH	521.1012 APRON ENDWALLS FOR CULVER PIPE REINFORCED CONCRETE STEEL 12-INCH EACH	522.1012 12-INCH EACH	522.1015 15-INCH EACH	522.1018 18-INCH EACH	522.1024 24-INCH EACH	523.0519 HOR ELLIPT CL HE-III 19X30-INCH EACH	524.0624 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 24-INCH EACH	524.0636 36-INCH EACH
PROJECT 6350-07-88									
CATEGORY 0010									
STAGE 2									
CTH P									
229+08.73 - 241+63.50		1	3				1		
MARSHFIELD STREET									
119+97.18 - 124+56.30				1					
CATEGORY 0010 SUBTOTAL		1	3	1			1		
PROJECT 6350-07-88 SUBTOTAL		1	3	1			1		
PROJECT 6350-07-77									
CATEGORY 0010									
STAGE 2									
CTH P									
241+63.50 - 254+61.45	1	1	1						1
STAGE 2 SUBTOTAL	1	1	1						1
STAGE 3									
CTH P									
254+61.45 - 277+50.00	1		3	3	1	1			
277+50.00 - 297+64.21	16					2	1		
STAGE 3 SUBTOTAL	17		3	3	1	3	1		
STAGE 4									
CTH P									
297+64.21 - 309+50.41	5				2			1	
STAGE 4 SUBTOTAL	5				2			1	
CATEGORY 0010 SUBTOTAL	23	1	4	3	3	3	1	1	1
PROJECT 6350-07-77 SUBTOTAL	23	1	4	3	3	3	1	1	1
ITEM TOTALS	23	2	7	4	3	3 *	2	1	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

STORM SEWER STRUCTURE ITEMS

STATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 15-INCH LF	608.0318 18-INCH LF	608.0324 24-INCH LF	608.0336 36-INCH LF	608.0412 CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	610.0119 CONC HOR ELLIPT CL HE-III 19X30-INCH LF	610.0419 CONC HOR ELLIPT CL HE-IV 19X30-INCH LF	611.0430 RECONST INLETS EACH
PROJECT 6350-07-88											
CATEGORY 0010											
STAGE 2											
CTH P											
229+08.73 - 241+63.50						141			124		
MARSHFIELD STREET											
119+97.18 - 124+56.30	33	177	347							35	
CATEGORY 0010 SUBTOTAL	33	177	347			141			124	35	
PROJECT 6350-07-88 SUBTOTAL	33	177	347			141			124	35	
PROJECT 6350-07-77											
CATEGORY 0010											
STAGE 2											
CTH P											
241+63.50 - 254+61.45					8	25					
STAGE 2 SUBTOTAL					8	25					
STAGE 3											
CTH P											
254+61.45 - 277+50.00	137	199	52	1067		49					
277+50.00 - 297+64.21	216		200	252					290		2
STAGE 3 SUBTOTAL	353	199	252	1319		49			290		2
STAGE 4											
CTH P											
297+64.21 - 309+50.41	172			138			46	120			
STAGE 4 SUBTOTAL	172			138			46	120	0		0
CATEGORY 0010 SUBTOTAL	525	199	252	1457	8	74	46	120	290		2
PROJECT 6350-07-77 SUBTOTAL	525	199	252	1457	8	74	46	120	290		2
ITEM TOTALS	558	376	599	1457	8	215	46	120	414	35	2

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

STORM SEWER STRUCTURE ITEMS

STATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 TYPE H EACH	611.0636 TYPE HM-S EACH	611.0639 TYPE H-S EACH	611.0645 TYPE MS-A EACH	611.0654 TYPE V EACH	SPV.0060.01 TYPE H-SPEC EACH	611.1004 CATCH BASINS 4-FT DIA EACH	611.1005 5-FT DIA EACH	611.1006 6-FT DIA EACH	611.1230 2X3-FT EACH	611.2004 MANHOLES 4-FT DIA EACH	611.2005 5-FT DIA EACH	611.3003 INLETS 3-FT DIA EACH	611.3220 2X2-FT EACH	611.3230 2X3-FT EACH	611.3901 MED 1 GRATE EACH	612.0212 PIPE UNDERDRAIN UNPERFOR 12-INCH LF	SPV.0090.02 PVC 6-INCH LF	SPV.0090.03 PVC 12-INCH LF
PROJECT 6350-07-88																					
CATEGORY 0010																					
STAGE 2																					
CTH P																					
229+08.73 - 241+63.50	1					2	1							1		1		2	75		
MARSHFIELD STREET																					
119+97.18 - 124+56.30			3		2	2							4				1	2			
CATEGORY 0010 SUBTOTAL	1		3		2	4	1						4	1	1	1	1	4	75		
PROJECT 6350-07-88 SUBTOTAL	1		3		2	4	1						4	1	1	1	1	4	75		
PROJECT 6350-07-77																					
CATEGORY 0010																					
STAGE 2																					
CTH P																					
241+63.50 - 254+61.45						2	1									1		2	65		
STAGE 2 SUBTOTAL						2	1									1		2	65		
STAGE 3																					
CTH P																					
254+61.45 - 277+50.00	5	1	7					1	1			6	5		1					32	
277+50.00 - 297+64.21	1	1	19	1	3			1	2	2	4	1	5	1	1		5				8
STAGE 3 SUBTOTAL	6	2	26	1	3			2	3	2	4	7	10	1	2		5			32	8
STAGE 4																					
CTH P																					
297+64.21 - 309+50.41	2		6		3				3	1		1	2				2				
STAGE 4 SUBTOTAL	2		6		3				3	1		1	2				2				
CATEGORY 0010 SUBTOTAL	8	2	32	1	6	2	1	2	6	3	4	8	12	1	2	1	7	2	65	32	8
PROJECT 6350-07-77 SUBTOTAL	8	2	32	1	6	2	1	2	6	3	4	8	12	1	2	1	7	2	65	32	8
ITEM TOTALS	9	2	35	1	8	6	2	2	6	3	4	8	16	2	3	2	8	6	140	32	8

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

COVER PLATES TEMPORARY

STATION	LOCATION	611.8120.S EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
MARSHFIELD STREET		
120+82	C/L	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-88 SUBTOTAL		1
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 3		
CTH P		
287+59	LT	1
290+43	LT	1
SCHOOL AVE		
70+49.32	LT	1
70+37	LT	1
STAGE 3 SUBTOTAL		4
STAGE 4		
CTH P		
298+20	LT	1
CONNOR ST		
102+11.70	RT	1
STAGE 4 SUBTOTAL		2
CATEGORY 0010 SUBTOTAL		6
PROJECT 6350-07-77 SUBTOTAL		6
ITEM TOTAL		7

PIPE GRATES

STATION	LOCATION	611.9800.S EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
229+62.36	LT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-88 SUBTOTAL		1
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
254+56.10	LT & RT	2
STAGE 2 SUBTOTAL		2
STAGE 3		
CTH P		
270+10.53	RT	1
277+60.60	RT	1
281+24.16	RT	1
292+14.33	RT	1
STAGE 3 SUBTOTAL		4
STAGE 4		
CTH P		
297+77.23	RT	1
STAGE 4 SUBTOTAL		1
CATEGORY 0010 SUBTOTAL		7
PROJECT 6350-07-77 SUBTOTAL		7
ITEM TOTAL		8

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

PPIE UNDERDRAIN ITEMS

STATION	LOCATION	612.0106 6-INCH LF	601.0409 UNPERFORATED 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	645.0112 GEOTEXTILE FABRIC TYPE DF SCHEDULE B SY	COMMENTS
PROJECT 6350-07-88						
CATEGORY 0010						
STAGE 2						
CTH P						
227+34.20-229+30.38	RT	190			85	
MARSHFIELD STREET						
119+25.64-119+87.21	LT	85			38	RADIUS
119+41.57-120+09.36	RT	106			48	RADIUS
119+87.21-124+20.90	LT	434			193	
120+08.87-124+20.90	RT	412			184	
124+20.9 - 124+40.9	LT	29			13	RADIUS
CATEGORY 0010 SUBTOTAL		1256	0	0	561	
PROJECT 6350-07-88 SUBTOTAL		1256	0	0	561	
PROJECT 6350-07-77						
CATEGORY 0010						
STAGE 3						
CTH P						
255+89.53- 257+39.48	LT	150			67	
257+00.00	38' RT		26	1		
257+39.48 - 259+01.98	LT	163			73	RT TURN TAPER
259+01.98 - 277+50.00	LT	1848			822	
259+50.00	32' RT		20	1		
262+00.00	34' RT		22	1		
264+50.00	34' RT		22	1		
267+00.00	32' RT		20	1		
269+50.00	32' RT		20	1		
272+00.00	32' RT		20	1		
274+75.00	32' RT		40	2		
277+50.00 - 280+71.82	LT	322			144	
277+50.00 - 292+25.00	RT	1475			656	
281+84.58 - 287+05.12	LT	521			232	
287+87.12 - 290+04.62	LT	218			97	
290+89.55 - 292+25.00	LT	136			61	
292+25.00 - 297+64.20	LT	540			240	
254+61.5 - 277+50.0	12' RT	2289			1018	
292+25.00 - 297+64.20	12' RT	540			240	
293+00.00	32' RT		20	1		
295+45.40	40' RT		56	2		
297+50.00	40' RT		28	1		
300+00.00	32' RT		20	1		
302+50.00	36' RT		24	1		
305+00.00	38' RT		26	1		
307+50.00	38' RT		26	1		
E-Z AVENUE						
20+29.5 - 20+74.4	RT	71			32	RADIUS
SCHCOL AVENUE						
70+06 - 70+40.6	LT	66			30	RADIUS
70+30.2 - 70+60.2	LT	28			13	
70+60.2 - 70+88.0	RT	54			24	RADIUS
BRICKLE AVENUE						
80+16.0 - 80+43.6	LT	39			18	RADIUS
80+16.0 - 80+43.6	RT	39			18	RADIUS
GEORGE AVENUE						
90+16.0 - 90+50.8	LT	52			24	RADIUS
90+16.0 - 90+36.1	RT	29			13	RADIUS
90+36.1 - 90+50.8	RT	15			7	
STAGE 3 SUBTOTAL		8595	390	17	3829	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

PPIE UNDERDRAIN ITEMS CONT'D

STATION	LOCATION	612.0106 6-INCH LF	601.0409 UNPERFORATED 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	645.0112 GEOTEXTILE FABRIC TYPE DF SCHEDULE B SY	COMMENTS
STAGE 4						
CTH P						
297+64.2 - 297+76.1	LT	12			6	
298+88.8 - 300+38.8	LT	150			67	
300+38.8 - 300+98.8	LT	60			27	TAPER
300+98.8 - 302+99.8	LT	201			90	
304+52.8 - 306+05.8	LT	153			68	TAPER
306+05.8 - 307+42.8	LT	237			106	
307+42.8 - 309+32.8	LT	90			40	TAPER
297+64.20 - 309+50.4	12' RT	1187			528	
NORTH ROAD						
49+95.6 - 50+31.8	LT	62			28	RADIUS
50+31.8 - 50+40.0	LT	9			4	
49+76.1 - 50+20.1	RT	59			27	RADIUS
50+08.6 - 50+25.0	LT				0	
50+20.0 - 50+40.0	RT	20			9	
CONNOR ST					0	
100+00.2 - 100+44.0	LT	65			29	RADIUS
100+44.0 - 102+24.9	LT	181			81	
100+56.3 - 101+17.6	RT	89			40	RADIUS
101+17.6 - 102+24.9	RT	108			48	
STAGE 4 SUBTOTAL		2683	0	0	1198	
PROJECT 6350-07-77 SUBTOTAL		11278	390	17	5027	
ITEM TOTALS		12534	390	17	5588	

BEAM GUARD ITEMS

STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
PROJECT 6350-07-88				
CATEGORY 0010				
STAGE 2				
CTH P				
239+56.43 - 240+10.68	RT			1
240+10.68 - 241+38.42	RT	125		
241+38.42 - 241+78.70	RT		39.4	
240+38.54 - 240+90.38	LT			1
240+90.38 - 241+28.88	LT		39.4	
CATEGORY 0010 SUBTOTAL		125	78.8	2
PROJECT 6350-07-88 SUBTOTAL		125	78.8	2
PROJECT 6350-07-77				
CATEGORY 0010				
STAGE 2				
CTH P				
243+47.98 - 243+86.52	LT		39.4	
243+86.52 - 244+38.41	LT			1
244+04.72 - 244+40.28	RT		39.4	
244+40.28 - 244+94.59	RT			1
CATEGORY 0010 SUBTOTAL			78.8	2
PROJECT 6350-07-77 SUBTOTAL			78.8	2
ITEM TOTALS		125	157.6	4

FENCE TRACK CLEARANCE

STATION	LOCATION	616.0800.S LF
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
244+00	RT	108
STAGE 2 SUBTOTAL		108
STAGE 2		
CTH P		
281+60	156' RT	50
281+60	100' RT	50
295+00	151' RT	50
295+00	106' RT	50
MARSHFIELD ST		
27+76	LT & RT	68
28+04	LT & RT	68
FUEHRER AVE		
38+45	LT & RT	67
38+72	LT & RT	67
SCHULTZ AVE		
58+49	LT & RT	66
58+76	LT & RT	66
GEORGE AVE		
88+44	LT & RT	60
88+78	LT & RT	60
CATEGORY 0010 SUBTOTAL		722
STAGE 3 SUBTOTAL		722
PROJECT 6350-07-77 SUBTOTAL		830
PROJECT 6350-07-77 TOTAL		830

MAINTENANCE AND REPAIR OF HAUL ROADS

STATION	LOCATION	618.0100 EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
222+50 - 241+63.50	LT & RT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-88 SUBTOTAL		1
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
241+63.50 - 254+61.45	LT & RT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-77 SUBTOTAL		1
ITEM TOTAL		2

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	620.0300 SY	COMMENT
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 2			
CTH M			
10+39.65 - 10+42.22	LT	6	TYPE 2
10+44.17 - 10+48.16	LT	6	TYPE 2
10+81.65 - 10+86.18	LT	20	TYPE 1
STAGE 2 SUBTOTAL		32	
STAGE 4			
NORTH ROAD			
47+08.0 - 47+15.0	CL	70	TYPE 1
48+15.0 - 48+22.0	CL	70	TYPE 1
48+52.4 - 48+59.4	CL	70	TYPE 1
49+09.4 - 49+16.4	CL	70	TYPE 1
STAGE 4 SUBTOAL		280	
CATEGORY 0010 SUBTOTAL		312	
PROJECT 6350-07-77 SUBTOTAL		312	
PROJECT 6350-07-77 TOTAL		312	

DUST CONTROL SURFACE TREATMENT

STATION	LOCATION	623.0200 SY
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
223+00.00 - 241+31.68	LT & RT	8496
MARSHFIELD STREET		
108+50.00 - 118+72.47	LT & RT	3991
119+30.69 - 124+56.30	LT & RT	2017
STAGE 2 SUBTOTAL		14504
STAGE 4		
CTH P		
207+11.65 - 203+00.00	LT & RT	5736
STAGE 4 SUBTOTAL		5736
CATEGORY 0010 SUBTOTAL		20240
PROJECT 6350-07-88 SUBTOTAL		20240
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
244+04.70 - 254+61.45	LT & RT	6589
CTH M		
10+30.97 - 12+27.24	LT & RT	1070
STAGE 2 SUBTOTAL		7659
STAGE 3		
CTH P		
254+61.45 - 277+50.00	LT & RT	9343
277+50.00 - 297+64.21	LT & RT	7670
E-Z AVE		
20+29.00 - 20+82.48	LT & RT	334
SCHOOL AVE		
70+16.42 - 71+00.00	LT & RT	319
BRICKLE AVE		
80+16.00 - 80+43.58	LT & RT	128
GEORGE AVE		
90+16.00 - 90+50.77	LT & RT	154
STAGE 3 SUBTOTAL		17948
STAGE 4		
CTH P		
297+64.21 - 309+50.41	LT & RT	4893
NORTH RD		
45+75.00 - 48+27.94	LT & RT	803
48+43.21 - 49+36.80	LT & RT	532
49+85.04 - 50+40.00	LT & RT	269
CONNOR ST		
100+19.49 - 102+24.91	LT & RT	1029
STAGE 4 SUBTOTAL		7526
PROJECT 6350-07-77 SUBTOTAL		33133
ITEM TOTAL		53373

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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TURF ESTABLISHMENT

STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0030.01 FERTILIZER FOR LAWN TYPE TURF CWT	SPV.0120.01 WATER FOR SEEDED AREAS MGAL	SPV.0180.02 PREPARING TOPSOIL FOR LAWN TYPE TURF SY
PROJECT 6350-07-88										
CATEGORY 0010										
STAGE 2										
CTH P										
223+00.0 - 241+63.5	LT & RT	18608	11490	10.9	310	26	503	0.9	105	1410
MARSHFIELD STREET										
107+25.0 - 119+01.6	LT & RT	9706	6727	6.2	175	0	263	0	55	0
119+01.6 - 124+56.30	LT & RT	2384	0	0.0	0	43	65	1.6	14	2384
UNDISTRIBUTED	LT & RT	7675	4554	4.3	121	0	208	0.6	44	949
CATEGORY 0010 SUBTOTAL	LT & RT	38373	22771	21.4	606	69	1039	3.1	218	4743
PROJECT 6350-07-88 SUBTOTAL		38373	22771	21.4	606	69	1039	3.1	218	4743
PROJECT 6350-07-77										
CATEGORY 0010										
STAGE 2										
CTH P										
243+64.3- 254+61.4	LT & RT	8902	3775	5.7	161	0	241	0	50	0
CTH M										
10+00.0 - 13+08.1	LT & RT	1221	51	0.8	22	0	33	0	7	0
UNDISTRIBUTED	LT & RT	2531	957	1.6	46	0	69	0	14	0
STAGE 2 SUBTOTAL		12654	4783	8.1	229	0	343	0	71	0
STAGE 3										
CTH P										
254+61.4 - 277+50.0	LT & RT	17231	4721	5.0	0	311	466	6.0	97	9401
277+50.0 - 297+64.2	LT & RT	6835	375	0.9	0	124	185	3.5	39	5489
E-Z AVE										
20+00.00 - 20+82.4	LT & RT	152	0	0.0	0	3	5	0.1	1	152
SCHOOL AVE										
70+00.0 - 71+00.0	LT & RT	186	0	0.0	0	4	6	0.2	2	186
UNDISTRIBUTED	LT & RT	6101	1274	1.5	0	111	166	2.5	35	3807
STAGE 3 SUBTOTAL		30505	6370	7.4	0	553	828	12.3	174	19035
STAGE 4										
CTH P										
297+64.2 - 309+50.4	LT & RT	3370	1246	1.1	0	61	91	1.1	19	1695
NORTH RD										
45+75.00 - 48+27.94	LT & RT	1129	840	0.8	21	0	31	0.0	7	0
48+43.21 - 49+36.80	LT & RT	226	0	0.0	0	5	7	0.2	2	226
49+85.04 - 50+40.00	LT & RT	88	0	0.0	0	2	3	0.1	1	88
CONNOR ST										
100+00.0 - 102+24.91	LT & RT	691	0	0.0	0	13	19	0.5	4	691
UNDISTRIBUTED	LT & RT	1376	522	0.5	5	20	38	0.5	8	675
STAGE 4 SUBTOTAL		6880	2608	2.4	26	101	189	2.4	41	3375
PROJECT 6350-07-77 SUBTOTAL		50039	13760	17.9	255	654	1359	14.6	286	22410
ITEM TOTALS		88412 *	36531 *	39.3 *	861 *	723	2398	17.7	504	27153

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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MARKERS CULVERT ENDS

STATION	LOCATION	633.5200 EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
229+08.73	LT	1
229+62.36	LT	1
234+00.00	RT	1
238+00.00	RT	1
241+38.4	RT	1
CATEGORY 0010 SUBTOTAL		5
PROJECT 6350-07-88 SUBTOTAL		5
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
244+15.3	RT	1
250+00.00	RT	1
254+56.10	LT & RT	2
CTH M		
11+10.60	LT	1
STAGE 2 SUBTOTAL		5
STAGE 3		
CTH P		
254+97.50	RT	1
255+64.80	RT	1
259+04.00	RT	1
261+41.31	RT	1
265+46.50	RT	1
269+02.84	RT	1
270+10.53	RT	1
274+85.78	RT	1
277+60.60	RT	1
281+24.16	RT	1
292+14.33	RT	1
NORTH RD		
49+14.90	~	1
STAGE 3 SUBTOTAL		12
STAGE 4		
CTH P		
297+77.23	RT	1
303+41.81	RT	1
304+53.77	RT	1
STAGE 4 SUBTOTAL		3
CATEGORY 0010 SUBTOTAL		20
PROJECT 6350-07-77 SUBTOTAL		20
ITEM TOTAL		25 *

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SIGNING ITEMS

SIGN GROUP NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	634.0612 X 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 X 16-FT EACH	634.0618 X 18-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	COMMENTS
PROJECT 6350-07-88												
CATEGORY 0010												
CTH P												
1-1	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17B	ENDS	30X12					2.50				
1-2	D1-2	MARSHFIELD	96x30		2			20.00		1	2	
		STEVENS POINT										
1-3	J1-3	JCT 10, JCT 13 JCT 186	72X39		2			19.5		1	2	
1-4	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17A	AHEAD	30X12					2.50				
1-5		CURVE								1	1	
		45 MPH										
1-6	R3-17	BIKE LANE	30X24		1			5.00				
1-7	W1-2L	CURVE	30X30		1				6.25			
	W13-1	45 MPH	18X18						2.25			
2-1	W3-1	STOP AHEAD	36X36		1				9.00	1	1	
2-2	W1-6L	LT ARROW	48X24	1					8.00	1	1	
2-3		STOP AHEAD								1	1	
2-4		STOP AHEAD								1	1	
2-5	W1-2R	CURVE	30X30		1				6.25			
	W13-1	45 MPH	18X18						2.25			
2-6	W1-2R	CURVE	30X30						6.25			
3-1	M1-5A	CTH P	24X24	1				4.00				
		CTH P								1	1	
		RT ARROW										
3-2	R4-4	BEGIN RT TURN LANE YIELD TO BIKES	36X30		1			7.50				
3-3	W1-6R	RT ARROW	48X24		1				8.00			
3-4	M1-5A	CTH P	24X24					4.00		1	1	
3-5	W1-2R	CURVE	30X30		1				6.25			
	W13-1	45 MPH	18X18						2.25			
3-6	W3-5	SPEED LIMIT AHEAD 40	36X36		1				9.00			
4-1		CURVE								1	1	
		SPEED LIMIT 50										
4-2		ARPIN RD MARSHFIELD ST										
4-3		AUBURNDALE STEVENS POINT								1	2	
4-4		STOP								1	1	
4-5	R3-17	BIKE LANE	30X24					5.00				
4-6		CTH P								1	1	
4-7		SPEED LIMIT 40								1	1	
4-8		SPEED LIMIT 25								1	1	
4-9	M1-5A	CTH P	24X24		1			4.00				
4-10	R3-17	BIKE LANE	30X24		1			5.00				
4-11	R2-1	SPEED LIMIT 40	24X30					5.00				
5-1	R4-4	BEGIN RT TURN LANE YIELD TO BIKES	36X30		1			7.50				
5-2		CURVE								1	1	
5-3	J2-1	TO 10 ARROW	24X57			1		9.50				
5-4		RIGHT LANE ENDS								1	1	
5-5		CURVE								1	1	
5-6		CTH P ARROW								1	1	
5-7		JCT CTH M								1	1	
MARSHFIELD ST												
17-1	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17A	AHEAD	30X12					2.50				
17-2	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17B	ENDS	30X12					2.50				
17-3	D9-2	H	24X24			1				1	1	
	M6-1	ARROW	21X21									
17-4	R3-17	BIKE LANE	30X24		1			5.00				
17-5	J1-1	JCT CTH P	24X39			1		6.50				
17-6	R3-17	BIKE LANE	30X24		1			5.00				
17-7	J3-2	TO 10 ARROW	48X57			1		19.00				
		CTH P DOUBLE ARROW										
17-8		AUBURNDALE STEVENS POINT								1	2	
17-9		CURVE								1	1	
		50 MPH										
17-10	R1-1	STOP	30X30		1			5.18				
17-11	J3-2	TO 10 ARROW	48X57			1		19.00				
		CTH P DOUBLE ARROW										
17-12	R1-1	STOP	30X30		1			5.18				

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SIGNING ITEMS CONT'D

SIGN GROUP NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	634.0612 X 12-FT EACH	634.0614 POSTS WOOD X 14-FT EACH	634.0616 4X6-INCH X 16-FT EACH	634.0618 X 18-FT EACH	637.2210 SIGNS TYPE II H SF	637.2230 REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SIGN SUPPORTS EACH	COMMENTS
18-1	R7-1R	NO PARKING ANYTIME	18X24		1			3.00				
18-2	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
18-3	R3-17	BIKE LANE	30X24		1			5.00				
18-4		SPEED LIMIT 25								1	1	
18-5	R2-1	SPEED LIMIT 25	24X30		1			5.00				
18-6	R7-1L	NO PARKING ANYTIME	18X24		1			3.00				
18-7	R1-1	STOP	30X30		1			5.18				
18-8		MARSHFIELD ST VAN AVE STOP								1	1	
18-9	R7-1L	NO PARKING ANYTIME	18X24		1			3.00				
18-10	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17A	AHEAD	30X12					2.50				
18-11	R2-1	SPEED LIMIT 25	24X30		1			5.00				
18-12	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
18-13	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17B	ENDS	30X12					2.50				
18-14	R7-1R	NO PARKING ANYTIME	18X24		1			3.00				
18-15	R1-1	STOP	30X30		1			5.18				
18-16		STOP MARSHFIELD ST VAN AVE								1	1	
18-17	R2-1	SPEED LIMIT 25	24X30				1	5.00				
CATEGORY 0100 SUBTOTAL				2	36	5	1	254.22	35.75	26	30	
PROJECT 6350-07-88 SUBTOTAL				2	36	5	1	254.22	35.75	26	30	
PROJECT 6350-07-77 CATEGORY 0010 CTH P												
5-8		ROZELLVILLE								1	2	
5-9	R2-1	SPEED LIMIT 40	24X30					5.00				
5-10	J1-1	JCT CTH M	24X39		1			6.50				
6-1	M1-5A	CTH P	24X24		1			4.00				
	R3-17	BIKE LANE	30X24					5.00				
6-2	J13-1	CTH M ARROW	24X45		1			7.50		1	1	
6-3	M1-5A	CTH P	24X24		1			4.00				
6-4		SPEED LIMIT 40								1	1	
6-5	D1-1	ROZELLVILLE	78x15	2				8.13				
6-6		RIGHT LANE ENDS								1	1	
6-7	J13-1	CTH M ARROW	24X45		1			7.50		1	1	
6-8	W1-7	DOUBLE ARROW	48X24						8.00	1	1	
		CTH P										
6-9	W9-1R	RIGHT LANE ENDS	36x36		1				9.00			
6-10	M1-5A	CTH P	24X24		1			4.00		1	1	
	R3-17	BIKE LANE	30X24					5.00				
6-11		MERGE								1	1	
7-1	D1-1	ROZELLVILLE	78x15	2				8.13		1	2	
7-2	J1-1	JCT CTH P	24X39		1			6.50				
7-3	R2-1	SPEED LIMIT 40	24X30		1			5.00		1	1	
7-4	R1-1	STOP	30X30		1			5.18		1	1	
7-5		JCT CTH M								1	1	
7-6	W4-2R	MERGE	36X36		1				9.00			
7-7	R4-4	BEGIN RT TURN LANE YIELD TO BIKES	36X30		1			7.50				
7-8	R2-1	SPEED LIMIT 35	24X30		1			5.00		1	1	
7-9		CURVE								1	1	
7-10	W11-2	PEDESTRIAN	30X30		1				6.25			
	W16-9P	AHEAD	24X12						2.00			
8-1	R4-4	BEGIN RT TURN LANE YIELD TO BIKES	36X30		1			7.50				
8-2	R7-1R	NO PARKING ANYTIME	18X24		1			3.00				
8-3	W11-2	PEDESTRIAN	30X30		1				6.25			
	W16-7L	ARROW	24X12						2.00			
8-4	W11-2	PEDESTRIAN	30X30		1				6.25			
	W16-9P	AHEAD	24X12						2.00			
8-5	R2-1	SPEED LIMIT 40	24X30		1			5.00		1	1	
8-6	I2-3	AUBURNDALE POPULATION	78X24		2			13.00		1	2	
8-7	W11-2	PEDESTRIAN	30X30		1				6.25			
	W16-7L	ARROW	24X12						2.00			
8-8	M1-5A	CTH P	24X24	1				4.00				
8-9		RR								1	1	
8-10		MAIN ST MARSHFIELD ST										
8-11		STOP								1	1	
8-12	R2-1	SPEED LIMIT 35	24X30		1			5.00		1	1	
8-13	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				

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SIGNING ITEMS CONT'D

SIGN GROUP NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	634.0612 X 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 X 16-FT EACH	634.0618 X 18-FT EACH	637.2210 SIGNS TYPE II H SF	637.2230 REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SIGN SUPPORTS EACH	COMMENTS
9-1	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
9-2	R2-1	SPEED LIMIT 35	24X30		1			5.00		1	1	
9-3	S1-1	PEDSTRIANS	30X30			1			4.69	1	1	
	W16-9P	AHEAD	24X8						1.33			
	R2-6P	FINES HIGHER	24X18					3.00				
10-1	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
10-2		CURVE								1	1	
10-3	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
10-4		SPEED LIMIT								1		
10-5	R2-1	SPEED LIMIT 35	24X30		1			5.00				
10-6		RR								1	1	
10-7		STOP								1	1	
10-8		RR										
10-9		STOP								1		
10-10		RR MAIN ST FUEHRER AVE										
10-11		STOP								1	1	
10-12	S4-51	SCHOOL SPEED LIMIT	24X48		1				8.00			
10-13		SCHOOL SPEED LIMIT								1		
11-1	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
11-2	R2-1	SPEED LIMIT 35	24X30		1			5.00		1	1	
11-3	R7-1L	NO PARKING ANYTIME	18X24		1			3.00				
11-4	R1-1	STOP	30X30		1			5.18		1	1	
11-5		MAIN ST SCHOOL AVE										
11-6	R7-1R	NO PARKING ANYTIME	18X24		1			3.00				
11-7	R7-1L	NO PARKING ANYTIME	18X24		1			3.00				
11-8	R2-1	SPEED LIMIT 25	24X30		1			5.00		1	1	
11-9		NO PARKING ANYTIME MAIN ST SCHULTZ AVE										
11-10		RR								1	1	
11-11		RR										
11-12		STOP										
11-13		STOP										
11-14		RR										
11-15		STOP								1	1	
12-1	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
12-2	R2-1	SPEED LIMIT 25	24X30		1			5.00		1	1	
12-3	R3-17	NO PARKING ANYTIME BIKE LANE	30X24	1				5.00				
12-4	S4-51	SCHOOL SPEED LIMIT	24X48		1				8.00	1	1	USE SIGN POST BLOCK OUT
12-5	R7-1L	NO PARKING ANYTIME	18X24		1			3.00				USE SIGN POST BLOCK OUT
12-6	R1-1	STOP	30X30		1			5.18		1	1	USE SIGN POST BLOCK OUT
12-7		MAIN ST BRICKLE AVE										
12-8	R7-1R	NO PARKING ANYTIME	18X24		1			3.00				USE SIGN POST BLOCK OUT
12-9	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
12-10	W11-8	FIRE TRUCK	30X30		1				6.25	1	1	
12-11	R3-17	NO PARKING ANYTIME BIKE LANE	30X24		1			5.00				
12-12		NO SNOWMOBILES										
12-13	R2-1	SPEED LIMIT 25	24X30		1			5.00		1	1	
12-14	R7-1D	NO PARKING ANYTIME NO PARKING ANYTIME	18X24		1			3.00				
13-1	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				USE SIGN POST BLOCK OUT
13-2	S1-1	PEDSTRIANS	30X30			1			4.69	1	1	USE SIGN POST BLOCK OUT
	W16-9P	AHEAD	24X8						1.33			
	R2-6P	FINES HIGHER	24X18					3.00				
13-3	W11-8	NO PARKING ANYTIME FIRE TRUCK	30X30		1				6.25	1	1	USE SIGN POST BLOCK OUT
13-4	R7-1L	NO PARKING ANYTIME	18X24		1			3.00				USE SIGN POST BLOCK OUT
13-5	R1-1	STOP	30X30		1			5.18		1	1	USE SIGN POST BLOCK OUT
13-6		MAIN ST GEORGE AVE										
13-7	R7-1R	NO PARKING ANYTIME	18X24		1			3.00				USE SIGN POST BLOCK OUT
13-8	R2-1	SPEED LIMIT 25	24X30		1			5.00				
13-9		SPEED LIMIT 25								1		
13-10		RECYCLE CENTER								1		
13-11		POST OFFICE								1		
13-12		RR								1	1	
13-13		STOP								1	1	
13-14		RR										
13-15		STOP								1	1	
13-16		RR										
13-17		STOP								1	1	
13-18		MAIN ST GEORGE AVE										
13-19	R7-1R	NO PARKING ANYTIME	18X24		1			3.00				
13-20	R2-1	SPEED LIMIT 35 NO PARKING ANYTIME	24X30		1			5.00		1	1	

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SIGNING ITEMS CONT'D

SIGN GROUP NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	634.0612 X 12-FT EACH	634.0614 POSTS WOOD X 14-FT EACH	634.0616 4X6-INCH X 16-FT EACH	634.0618 X 18-FT EACH	637.2210 SIGNS TYPE II H SF	637.2230 REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	COMMENTS
13-21	J2-1	TO 10 ARROW RT	24X57			1		9.50				
14-1	M1-5A	CTH P	24X24	1				4.00				
14-2	R2-1	SPEED LIMIT 25	24X30		1			5.00				
14-3	R1-1	STOP	30X30		1			5.18		1	1	
14-4		HIGH SCHOOL										
14-5		MAIN ST NORTH RD										
14-6	R2-1	SPEED LIMIT 35	24X30		1			5.00		1	1	
14-7	W10-3	RR TRACKS	36X36		1				9.00			
14-8	R4-4	BEGIN RT TURN LANE YIELD TO BIKES	36X30		1			7.50				
14-9	R7-1D	NO PARKING ANYTIME	18X24		1			3.00				
14-10		JCT								1	1	
		CTH F										
14-11	W10-3	RR TRACKS	36X36		1				9.00			
14-12	W10-1	RR	36X36		1				7.07	1	1	
14-13	D11-6	SNOWMOBILE	24X18	1				3.00		1	1	
14-14	D11-10	ATV	24X18					3.00				
14-15	R4-7	KEEP RT	24X30		1			5.00				
14-16	R4-7	KEEP RT	24X30		1			5.00				
14-17	R4-7	KEEP RT	24X30		1			5.00				
14-18	R1-1	STOP	30X30		1			5.18		1	1	
14-19	J13-1	CTH P DOUBLE ARROW	24X45		1			7.5				
14-20		MAIN ST NORTH RD										
	R7-1L	NO PARKING ANYTIME	18X24		1			3.00				
15-1	M1-5A	CTH P	24X24		1			4.00				
15-2	R1-1	STOP	30X30		1			5.18		1	1	
15-3		CHEVRON								1	1	
15-4		ARROW								1	1	
15-5		STOP								1	1	
15-6		MAIN ST CONNOR ST										
16-1		SPEED LIMIT 35								1	1	
16-2	R3-17	BIKE LANE	30X24		1			5.00				
16-3	M1-5A	CTH P	24X24		1			4.00				
16-4		SPEED LIMIT 35										TO REMAIN
16-5	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17A	AHEAD	30X12					2.50				
16-6	R2-1	SPEED LIMIT 35	24X30		1			5.00		1	1	
16-7	R3-17	BIKE LANE	30X24		1			5.00				
	R3-17B	ENDS	30X12					2.50				
19-1	W10-1	RR	36X36		1				7.07			
19-2	R4-7	KEEP RT	24X30		1			5.00				
20-1		ADOPT A HIGHWAY								1	1	
20-2		DOUBLE ARROW								1	1	
20-3		CTH P								1	1	
		ARROW										
20-4		MERGE								1	1	
20-5		CTH P								1	1	
20-6		DOUBLE ARROW								1	1	
20-7		STOP								1	1	
20-8		STOP								1	1	
20-9		CTH P								1	1	
		DOUBLE ARROW										
21-1		KEEP RT								1	1	
21-2	R1-1	STOP	30X30		1			5.18		1	1	
21-3	R1-1	STOP	30X30		1			5.18		1	1	
21-4		STOP								1	1	
21-5	W12-1D	DOUBLE ARROW	24X24	1					4.00			
21-6	W14-3	NO PASSING ZONE	48X36			1			6.00	1	1	
21-7	J1-1	END CTH M	24X39		1			6.50		1	1	
21-8	R1-1	STOP	30X30		1			5.18		1	1	
21-9	J13-1	CTH P DOUBLE ARROW	24X45		1			7.50		1	1	
21-10		AXLE WEIGHT										
21-11		CURVE								1	1	
CATEGORY 0010 SUBTOTAL				9	85	3	0	402.56	141.68	79	76	
PROJECT 6350-07-77 SUBTOTAL				9	85	3	0	402.56	141.68	79	76	
ITEM TOTALS				11 *	121 *	8 *	1	656.78 *	207.43 *	105	106	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

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FIELD OFFICE TYPE C

STATION	LOCATION	642.5201 EACH
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
241+63.50 - 254+61.45	LT & RT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-77 SUBTOTAL		1
ITEM TOTAL		1

TRAFFIC CONTROL

LOCATION	643.0300 DRUMS DAY	643.0410 BARRICADES TYPE II DAY	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A DAY	643.0900 SIGNS DAY
PROJECT 6350-07-88					
CATEGORY 0010					
STAGE 2					
CTH P					
223+00.0 - 241+63.5			280	420	245
MARSHFIELD STREET					
107+25.0 - 124+56.3			420	560	490
UNDISTRIBUTED	1750				
STAGE 2 SUBTOTAL	1750		700	980	735
STAGE 4					
CTH P					
207+11.6 - 223+00.0					80
STAGE 4 SUBTOTAL					80
CATEGORY 0010 SUBTOTAL	1750		700	980	815
PROJECT 6350-07-88 SUBTOTAL	1750		700	980	815
PROJECT 6350-07-77					
CATEGORY 0010					
STAGE 2					
CTH P					
241+63.5 - 254+61.4			280	420	245
CTH M					
10+00.0 - 13+08.0			140	140	245
UNDISTRIBUTED	1750				
STAGE 2 SUBTOTAL	1750		420	560	490
STAGE 3					
CTH P					
254+61.4-297+64.2			384	576	336
E-Z AVENUE					
20+00.00 - 20+82.4		48	96	96	192
SCHOOL AVENUE					
70+00.0 - 71+00.0		48	96	96	216
BRICKLE AVENUE					
80+00.0 - 80+43.6		96	96	96	216
GEORGE AVENUE					
90+00.0 - 90+50.8		96	96	96	216
UNDISTRIBUTED	2400				
STAGE 3 SUBTOTAL	2400	288	768	960	1176
STAGE 4					
CTH P					
297+64.2 - 309+50.4		84	336	504	672
NORTH ROAD					
45+75.0 - 45+50.0		42	168	168	315
CONNOR ST					
100+00.0 - 102+24.9		84	168	252	189
UNDISTRIBUTED	1050				
STAGE 4 SUBTOTAL	1050	210	672	924	1176
PROJECT 6350-07-77 SUBTOTAL	5200	498	1860	2444	2842
ITEM TOTALS	6950 *	498	2560 *	3424 *	3657 *

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PEDESTRIAN ACCOMADATION

STATION	LOCATION	644.1420.S TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1601.S TEMPORARY CURB RAMP EACH
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 3			
CTH P			
255+60	LT	40	1
257+40	LT	80	
279+00	LT	80	
SCHOOL AVE		200	2
GEORGE AVE		160	2
NORTH RD		80	2
CATEGORY 0010 SUBTOTAL		640	7
PROJECT 6350-07-77 SUBTOTAL		640	7
PROJECT 6350-07-77 TOTAL		640	7

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

PAVEMENT MARKING

STATION	LOCATION	646.0106 EPOXY 4-INCH SKIP WHITE LF	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH DOUBLE YELLOW LF	646.0126 EPOXY 8-INCH WHITE LF	646.0126 EPOXY 8-INCH SKIP WHITE LF	647.0110 RAILROAD CROSSINGS EPOXY EACH	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0206 ARROWS BIKE LANE EPOXY EACH	647.0306 SYMBOLS BIKE LANE EPOXY EACH	647.0356 WORDS EPOXY EACH	647.0456 CURB EPOXY LF	647.0566 STOP LINE EPOXY 18-INCH LF	647.0606 ISLAND NOSE EPOXY EACH	647.0736 DIAGONAL EPOXY 18-INCH LF	647.0766 CROSSWALK EPOXY 6-INCH LF
PROJECT 6350-07-88																
CATEGORY 0010																
CTH P																
207+00 - 229+63	LT & RT	71	4484	4438	203	50		2	2	2	1					
230+89 - 241+63.50	LT & RT	71	2864	2142	197	50		2	2	2	1					
MARSHFIELD ST																
108+50 - 124+56.30	LT & RT		2885	3154									43			
CATEGORY 0100 SUBTOTAL		142	10233	9734	400	100	0	4	4	4	2	0	43	0	0	0
PROJECT 6350-07-88 SUBTOTAL		142	10233	9734	400	100	0	4	4	4	2	0	43	0	0	0
PROJECT 6350-07-77																
CATEGORY 0010																
CTH P																
241+63.50 - 248+77	LT & RT	28	2317	1442	198	50										120
248+77 - 254+67	LT & RT	216	1287	1013	50	38		2	2	2	1					66
254+67 - 280+82	LT & RT	54	5087	4152				2	2	2	1					
280+82 - 290+05	LT & RT		1444	1480												
290+05 - 297+94	LT & RT	58	1646	1408	200	41		2	2	2	1					
297+94 - 309+50.42	LT & RT	51	1790	1892												
CTH M			389	354	24							22	42	1		
E-Z AVE				62									25			127
SCHOOL AVE				124									23			95
BRICKLE AVE				12									16			74
GEORGE AVE				28									18			76
NORTH RD			637	548			2					88	112	4	15	113
CONNOR ST				383									36			70
CATEGORY 0010 SUBTOTAL		407	14597	12898	472	129	2	6	6	6	3	110	272	5	15	741
PROJECT 6350-07-77 SUBTOTAL		407	14597	12898	472	129	2	6	6	6	3	110	272	5	15	741
ITEM TOTALS		549	24830	22632 *	872	229	2	10	10	10	5	110	315	5	15	741

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

FILE NAME : P:\UZ\W\Witnc\111618\CAD\030201 mq.dgn PLOT TIME : 9:28:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 43

LOCATING NO-PASSING ZONES

STA	LOCATION	648.0100 MI
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
223+00.00 - 241+63.50		0.35
MARSHFIELD ST		
108+50.00 - 124+56.30		0.30
CATEGORY 0010 SUBTOTAL		0.65
PROJECT 6350-07-88 SUBTOTAL		0.65
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
241+63.50 - 309+50.41		1.29
CTH M		
10+00.00- 13+08.00		0.06
CATEGORY 0010 SUBTOTAL		1.35
PROJECT 6350-07-77 SUBTOTAL		1.35
ITEM TOTAL		2

CONSTRUCTION STAKING STORM SEWER

STATION	650.4000 EACH
PROJECT 6350-07-88	
CATEGORY 0010	
STAGE 2	
CTH P	
229+08.73 - 241+63.50	9
MARSHFIELD STREET	
119+97.18 - 124+56.30	8
CATEGORY 0010 SUBTOTAL	17
PROJECT 6350-07-88 SUBTOTAL	17
PROJECT 6350-07-77	
CATEGORY 0010	
STAGE 2	
CTH P	
241+63.50 - 254+61.45	6
STAGE 2 SUBTOTAL	6
STAGE 3	
CTH P	
254+61.45 - 277+50.00	21
277+50.00 - 297+64.21	24
STAGE 3 SUBTOTAL	45
STAGE 4	
CTH P	
297+64.21 - 309+50.41	12
STAGE 4 SUBTOTAL	12
CATEGORY 0010 SUBTOTAL	63
PROJECT 6350-07-77 SUBTOTAL	63
ITEM TOTAL	80

CONSTRUCTION STAKING

STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.7000 CONCRETE PAVEMENT LF	651.3920 SLOPE STAKES LF
PROJECT 6350-07-88					
CATEGORY 0010					
STAGE 2					
223+00.00-241+31.7	LT&RT	1863	1863		1863
241+31.7 - 241+63.5	LT&RT			32	
MARSHFIELD STREET					
107+25.0 - 108+50.0	RT				75
108+50.0-124+56.3	LT&RT	1607	1607		1613
PROJECT 6350-07-88 SUBTOTAL		3470	3470	32	3551
PROJECT 6350-07-77					
CATEGORY 0010					
STAGE 2					
CTH P					
243+64.3 - 244+04.1	LT&RT			40	
244+04.1 - 254+61.5	LT&RT	1058	1058		1058
CTH M					
10+00 -12+27.1	LT&RT	228	228		228
12+27.1 - 13+08.0	LT				81
STAGE 2 SUBTOTAL		1286	1286	40	1367
STAGE 3					
CTH P					
254+61.5 - 277+50.0	LT&RT	2289	2289		2289
277+50.0 - 297+64.2	LT&RT	2015	2015		2015
E-Z AVE					
20+00.0 - 20+82.5	LT&RT	83	83		83
SCHOOL AVE					
70+00.0 - 71+00.0	LT&RT	100	100		100
BRICKLE AVE					
80+00.0 - 80+43.6	LT&RT	44	44		44
GEORGE AVE					
90+00.0 - 90+50.8	LT&RT	51	51		51
STAGE 3 SUBTOTAL		4582	4582	0	4582
STAGE 4					
CTH P					
297+64.2 - 309+50.4	LT&RT	1187	1187		1187
NORTH ROAD					
45+75.0 - 48+27.9	LT&RT	253	253		253
48+43.2 - 50+40.0		197	197		197
CONNOR STREET					
100+00.0 - 102+24.9	LT&RT	225	225		225
STAGE 4 SUBTOTAL		1862	1862	0	1862
CATEGORY 0010 SUBTOTAL		7730	7730	40	7811
PROJECT 6350-07-77 SUBTOTAL		7730	7730	40	7811
ITEM TOTALS		11200 *	11200 *	72	11362 *

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER

STATION	LOCATION	650.5500 LF	COMMENTS
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
CTH P			
227+34.20-229+30.38	RT	190	
MARSHFIELD STREET			
118+14.10-118+69.10	LT	84	RADIUS
118+29.68-118+72.47	RT	69	RADIUS
119+25.64-119+87.21	LT	85	RADIUS
119+41.57-120+09.36	RT	106	RADIUS
119+87.21-124+20.90	LT	434	
120+08.87-124+20.90	RT	412	
124+20.9 - 124+40.9	LT	29	RADIUS
CATEGORY 0010 SUBTOTAL		1409	
PROJECT 6350-07-88 SUBTOTAL		1409	
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 2			
CTH P			
243+52.5-244+04.7	LT		
CTH M			
10+61.41 - 10+98.31	LT	78	RADIUS
10+08.11 - 10+54.04	RT	56	RADIUS
10+39.65 - 10+44.17	LT	19	ISLAND
10+42.08 - 10+81.64	LT	40	ISLAND
10+48.20 - 10+82.23	LT	40	ISLAND
STAGE 2 SUBTOTAL		233	
STAGE 3			
CTH P			
255+89.53- 257-39.48	LT	150	
257+39.48 - 259+01.98	LT	163	RT TURN TAPER
259+01.98 - 277+50.00	LT	1848	
277+50.00 - 280+71.82	LT	322	
277+50.00 - 292+25.00	RT	1475	
281+84.58 - 287+05.12	LT	521	
287+87.12 - 290+04.62	LT	218	
290+89.55 - 292+25.00	LT	136	
292+25.00 - 297+64.20	LT	540	
E-Z AVENUE			
20+28.0 - 20+74.5	LT	68	RADIUS
20+29.5 - 20+74.4	RT	71	RADIUS
SCHOOL AVENUE			
70+06 - 70+40.6	LT	66	RADIUS
70+30.2 - 70+60.2	LT	28	
70+60.2 - 70+88.0	RT	54	RADIUS
BRICKLE AVENUE			
80+16.0 - 80+43.6	LT	39	RADIUS
80+16.0 - 80+43.6	RT	39	RADIUS
GEORGE AVENUE			
90+16.0 - 90+50.8	LT	52	RADIUS
90+16.0 - 90+36.1	RT	29	RADIUS
90+36.1 - 90+50.8	RT	15	
STAGE 3 SUBTOTAL		5834	

CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER CONT'D

STATION	LOCATION	650.5500 LF	COMMENTS
STAGE 4			
CTH P			
297+64.2 - 297+76.1	LT	12	
298+88.8 - 300+38.8	LT	150	
300+38.8 - 300+98.8	LT	60	TAPER
300+98.8 - 302+99.8	LT	201	
304+52.8 - 306+05.8	LT	153	TAPER
306+05.8 - 307+42.8	LT	237	
307+42.8 - 309+32.8	LT	90	TAPER
NORTH ROAD			
47+15.0 - 48+15.0	LT	100	MEDIAN
47+15.0 - 48+15.0	RT	100	MEDIAN
48+59.4 - 49+09.4	LT	50	MEDIAN
48+59.4 - 49+09.4	RT	50	MEDIAN
48+53.4 - 48+85.3	LT	32	
48+85.3 - 49+53.7	LT	93	RADIUS
48+43.8 - 48+83.2	RT	40	
48+83.2 - 49+22.5	RT	66	RADIUS
49+95.6 - 50+31.8	LT	62	RADIUS
50+31.8 - 50+40.0	LT	9	
49+76.1 - 50+20.1	RT	59	RADIUS
50+20.0 - 50+40.0	RT	20	
CONNOR ST			
100+00.2 - 100+44.0	LT	65	RADIUS
100+44.0 - 102+24.9	LT	181	
100+56.3 - 101+17.6	RT	89	RADIUS
101+17.6 - 102+24.9	RT	108	
STAGE 4 SUBTOTAL		2027	
PROJECT 6350-07-77 SUBTOTAL		8094	
ITEM TOTAL		9503 *	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONSTRUCTION STAKING PIPE CULVERTS

STATION	LOCATION	650.6000 EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
CTH P		
226+35	RT	1
226+42	LT	1
MARSHFIELD ST		
111+58	LT	1
111+58	RT	1
CATEGORY 0010 SUBTOTAL		4
PROJECT 6350-07-88 SUBTOTAL		4
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 3		
CTH P		
260+16	RT	1
NORTH RD		
49+14.90	LT	1
CATEGORY 0010 SUBTOTAL		2
PROJECT 6350-07-77 SUBTOTAL		2
ITEM TOTAL		6 *

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

STATION	LOCATION	650.9910 LUMP
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
MARSHFIELD STREET		
222+50 - 241+63.50	LT & RT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-88 SUBTOTAL		1
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 2		
CTH P		
241+63.50 - 254+61.45	LT & RT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-77 SUBTOTAL		1
ITEM TOTAL		2

CONSTRUCTION STAKING RESURFACE REFERENCE

STATION	LOCATION	650.8000 EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 4		
CTH P		
207+11.65 - 223+00.00	RT	1589
CATEGORY 0010 SUBTOTAL		1589
PROJECT 6350-07-88 SUBTOTAL		1589
PROJECT 6350-07-88 TOTAL		1589

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SAWING

STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	COMMENTS
PROJECT 6350-07-88				
CATEGORY 0010				
STAGE 2				
CTH P				
223+00.00	LT & RT	32		
MARSHFIELD STREET				
108+50	LT & RT	34		
121+20.4	LT		24	DRIVEWAY
122+23.2	LT	36		DRIVEWAY
122+85.8	LT	9		DRIVEWAY
124+44.6	LT	11		
124+49.1	RT	8		
124+56.30	LT & RT	61		
STAGE 2 SUBTOTAL		191	24	
STAGE 4				
CTH P				
207+11.65	LT & RT	29		
STAGE 4 SUBTOTAL		29		
CATEGORY 0010 SUBTOTAL		220	24	
PROJECT 6350-07-88 SUBTOTAL		220	24	
PROJECT 6350-07-77				
CATEGORY 0010				
STAGE 2				
CTH M				
12+27.1	LT & RT	30		
12+27.1 - 13+08.0	LT	81		
13+08.0	LT & RT	15		
STAGE 2 SUBTOTAL		126		
STAGE 3				
CTH P				
255+85	LT		5	SIDEWALK
257+30	LT		5	SIDEWALK
257+48	LT	21		DRIVEWAY
257+64	LT		5	SIDEWALK
274+00	LT	17		DRIVEWAY
280+97	LT		5	SIDEWALK
281+69	LT		5	SIDEWALK
E-Z AVENUE				
20+82.48	LT & RT	40		
SCHOOL AVENUE				
71+00.00	LT & RT	21		
BRICKLE AVENUE				
80+43.58	LT & RT	7	60	
GEORGE AVE				
90+50.77	LT & RT	74	25	
STAGE 3 SUBTOTAL		180	110	
STAGE 4				
CTH P				
297+82	LT		5	SIDEWALK
301+39	LT	22		DRIVEWAY
305+65	LT	18		DRIVEWAY
306+40	LT	25		DRIVEWAY
307+16	LT	21		DRIVEWAY
308+00.0	LT	19		DRIVEWAY
309+50.41	LT & RT		45	
NORTH RD				
45+75.00	LT & RT	30		
50+40.00	LT & RT	36		
CONNOR ST				
101+33	LT		5	SIDEWALK
101+64	LT	14		
101+33	LT & RT	35		
STAGE 4 SUBTOTAL		220	55	
CATEGORY 0010 SUBTOTAL		526	165	
UNDISTRIBUTED		200	200	
PROJECT 6350-07-77 SUBTOTAL		726	365	
ITEM TOTALS		946	389	

ESTABLISH SECTION CORNER MONUMENTS BERNTSEN STELL NAIL MARKER

STATION	LOCATION	SPV.0060.15 EACH
PROJECT 6350-07-88		
CATEGORY 0010		
STAGE 2		
MARSHFIELD STREET		
124+56	2.8' LT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-88 SUBTOTAL		1
PROJECT 6350-07-77		
CATEGORY 0010		
STAGE 4		
CTH P		
298+42	8.9' RT	1
CATEGORY 0010 SUBTOTAL		1
PROJECT 6350-07-77 SUBTOTAL		1
ITEM TOTAL		2

RESEARCH AND LOCATE EXISTING PROPERTY MONUMENTS

STATION	LOCATION	SPV.0105.01 LUMP	SPV.0105.04 LUMP
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
MARSHFIELD STREET			
222+50 - 241+63.50	LT & RT		1
CATEGORY 0010 SUBTOTAL			1
PROJECT 6350-07-88 SUBTOTAL			1
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 2			
CTH P			
241+63.50 - 254+61.45	LT & RT	1	
CATEGORY 0010 SUBTOTAL		1	
PROJECT 6350-07-77 SUBTOTAL		1	
ITEM TOTALS		1	1

VERIFY AND REPLACE EXISTING PROPERTY MONUMENTS

STATION	LOCATION	SPV.0105.02 LUMP	SPV.0105.05 LUMP
PROJECT 6350-07-88			
CATEGORY 0010			
STAGE 2			
MARSHFIELD STREET			
222+50 - 241+63.50	LT & RT		1
CATEGORY 0010 SUBTOTAL			1
PROJECT 6350-07-88 SUBTOTAL			1
PROJECT 6350-07-77			
CATEGORY 0010			
STAGE 2			
CTH P			
241+63.50 - 254+61.45	LT & RT	1	
CATEGORY 0010 SUBTOTAL		1	
PROJECT 6350-07-77 SUBTOTAL		1	
ITEM TOTALS		1	1

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

PIPE CULVERTS

STATION	LOCATION	203.0100 REMOVING SMALL CULVERT PIPE EA	504.0900 CONCRETE MASONRY ENDWALLS CY	*** 521.0118 CPCS 18-INCH LF	521.1018 APRON ENDWALLS FOR CPCS 18-INCH EA	522.0124 CPRC CLASS III 24-INCH LF	522.0148 CPRC CLASS III 48-INCH LF	522.1024 APRON ENDWALLS FOR CPRC 24-INCH LF	523.0124 CPRC CLASS HE-III 24X38-INCH LF	523.0129 CPRC CLASS HE-III 29X45-INCH LF	SPV.0090.01 CPRC CLASS ARCH-III 45X73-INCH LF	REMARKS
PROJECT 6350-07-77												
CATEGORY 0020												
STAGE 1												
10+34'A'	RT	1	---	---	---	---	---	---	---	---	---	18-INCH CMCP
10+75.7'A'	LT & RT	---	---	---	---	56	---	2	---	---	---	MAINLINE
19+00'A'	LT	---	---	46	2	---	---	---	---	---	---	DRIVEWAY
19+00'A'	RT	---	---	40	2	---	---	---	---	---	---	DRIVEWAY
23+18.5'A'	LT & RT	---	8.8	---	---	---	---	---	---	60	---	MAINLINE
23+25'A'	LT & RT	---	---	---	---	---	---	---	---	60	---	MAINLINE
23+31.5'A'	LT & RT	---	---	---	---	---	---	---	---	60	---	MAINLINE
28+00'A'	RT	---	---	38	2	---	---	---	---	---	---	DRIVEWAY
39+00'A'	RT	---	---	46	2	---	---	---	---	---	---	DRIVEWAY
40+50'A'	LT & RT	---	---	---	---	68	---	2	---	---	---	MAINLINE
49+00'A'	LT	---	---	40	2	---	---	---	---	---	---	DRIVEWAY
49+00'A'	RT	---	---	34	2	---	---	---	---	---	---	DRIVEWAY
54+49.92'A'	LT & RT	---	22.1	---	---	---	---	---	---	---	62	MAINLINE
54+60'A'	LT & RT	---	---	---	---	---	---	---	---	---	62	MAINLINE
54+70.08'A'	LT & RT	---	---	---	---	---	---	---	---	---	62	MAINLINE
63+00'A'	RT	---	---	36	2	---	---	---	---	---	---	DRIVEWAY
201+44'C'	RT	---	---	34	2	---	---	---	---	---	---	DRIVEWAY
204+12.5'C'	LT & RT	---	4.7	---	---	---	---	---	70	---	---	MAINLINE
204+19.1'C'	LT & RT	---	---	---	---	---	---	---	70	---	---	MAINLINE
205+00'C'	LT	---	---	30	2	---	---	---	---	---	---	DRIVEWAY
300+46.4'D'	LT & RT	---	---	---	---	90	---	2	---	---	---	MAINLINE
303+50'D'	LT	---	---	46	2	---	---	---	---	---	---	DRIVEWAY
303+50'D'	RT	---	---	40	2	---	---	---	---	---	---	DRIVEWAY
315+28'D'	RT	1	---	40	2	---	---	---	---	---	---	12-INCH CPCP
401+02.7'E'	LT & RT	---	17.3	---	---	---	64	---	---	---	---	MAINLINE
401+09.5'E'	LT & RT	---	---	---	---	---	64	---	---	---	---	MAINLINE
401+16.3'E'	LT & RT	---	---	---	---	---	64	---	---	---	---	MAINLINE
409+75'E'	LT	---	---	40	2	---	---	---	---	---	---	DRIVEWAY
CATEGORY 0020 SUBTOTAL		2	52.9	510	26	214	192	6	140	180	186	
PROJECT 6350-07-77 SUBTOTAL		2	52.9	510	26	214	192	6	140	180	186	
PROJECT ITEM TOTALS		**2	**52.9**	**510	**26**	**214**	**192**	**6	**140**	**180**	**186**	

***NOTE: MINIMUM THICKNESS SHALL BE 0.064" FOR STEEL AND 0.060" FOR ALUMINUM

**NOTE: QUANTITY FOR INFORMATION ONLY

GRUBBING

STATION - STATION	LOCATION	201.0205 GRUBBING STA
PROJECT 6350-07-77		
CATEGORY 0020		
STAGE 1		
25+25'A' - 37+50'A'	LT & RT	12
63+85'A' - 66+65'A'	LT & RT	4
100+05'B' - 100+40'B'	LT & RT	1
301+90'D' - 305+50'D'	LT & RT	5
315+90'D' - 316+75'D'	LT & RT	2
401+50'E' - 404+10'E'	LT & RT	4
407+50'E' - 409+00'E'	LT & RT	2
411+65'E' - 415+00'E'	LT & RT	4
416+00'E' - 418+10'E'	LT & RT	3
CATEGORY 0020 SUBTOTAL		37
PROJECT 6350-07-77 SUBTOTAL		37
PROJECT ITEM TOTALS		**37

OBLITERATING OLD ROAD

STATION - STATION	LOCATION	214.0100 STA
PROJECT 6350-07-77		
CATEGORY 0020		
STAGE 1		
300+50'D' - 301+53'D'	RT	2
CATEGORY 0020 SUBTOTAL		2
PROJECT 6350-07-77 SUBTOTAL		2
PROJECT ITEM TOTALS		**2**

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEERS ESTIMATE CATEGORY 0020, UNLESS OTHERWISE NOTED

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

BASE AGGREGATE DENSE

STATION - STATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	371.1000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	624.0100 WATER MGAL	REMARKS
PROJECT 6350-07-77						
CATEGORY 0020						
STAGE 1						
9+62'A' - 68+15'A'	670	17,051	28,118	17,051	255.8	MAINLINE
100+15'B' - 100+40'B'	3	101	188	101	1.5	MAINLINE
200+94'C' - 206+85'C'	76	2,287	3,650	2,287	34.3	MAINLINE
300+11'D' - 305+50'D'	7	524	470	524	7.9	MAINLINE
314+70'D' - 316+82'D'	29	978	1,538	978	14.7	CUL-DE-SAC
400+15'E' - 421+88'E'	267	6,291	10,452	6,291	94.4	MAINLINE
19+00'A', LT&RT	58	---	---	---	---	FE
28+00'A', RT	44	---	---	---	---	FE
39+00'A', LT	53	---	---	---	---	FE
49+00'A', LT&RT	90	---	---	---	---	FE
63+00'A', RT	36	---	---	---	---	FE
201+44'C', RT	30	---	---	---	---	FE
201+60'C', LT	35	---	---	---	---	CE
205+00'C', LT	26	---	---	---	---	FE
303+75'D', LT&RT	56	---	---	---	---	FE
315+28'D', RT	18	---	---	---	---	CE
316+82'D'	39	---	---	---	---	FE
409+75'E', LT	44	---	---	---	---	FE
UNDISTRIBUTED	79	1,368	2,224	1,368	20.4	
CATEGORY 0020 SUBTOTAL	1,660	28,600	46,640	28,600	429.0	
PROJECT 6350-07-77 SUBTOTAL	1,660	28,600	46,640	28,600	429.0	
PROJECT ITEM TOTALS	***1,660**	***28,600**	***46,640**	***28,600**	***429.0**	

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 SY
PROJECT 6350-07-77		
CATEGORY 0020		
STAGE 1		
10+30'A'	RT	10
10+35'A'	LT	7
67+46'A'	LT	7
67+52'A'	RT	7
68+00'A'	RT	7
CATEGORY 0020 SUBTOTAL		38
PROJECT 6350-07-77 SUBTOTAL		38
PROJECT ITEM TOTALS		***38**

ASPHALTIC ITEMS

STATION	455.0105 ASPHALTIC MATERIAL PG58-28 TON	** 455.0605 TACK COAT GAL	460.1101 HMA PAVMENT TYPE E-1 TON	460.4110.S REHEATING HMA LONGITUDINAL JOINTS LF	REMARKS
PROJECT 6350-07-77					
CATEGORY 0020					
STAGE 1					
9+62'A' - 68+15'A'	260.0	987	4,740	11,604	MAINLINE
100+15'B' - 100+40'B'	4.0	17	80	50	MAINLINE
200+94'C' - 206+85'C'	39.0	145	698	1,082	MAINLINE
300+11'D' - 300+71'D'	4.0	15	71	---	INTERSECTION
314+70'D' - 316+82'D'	16.0	62	299	---	CUL-DE-SAC
400+15'E' - 421+88'E'	97.0	369	1,772	4,346	MAINLINE
CATEGORY 0020 SUBTOTAL	420.0	1,595	7,660	17,082	
PROJECT 6350-07-77 SUBTOTAL	420.0	1,595	7,660	17,082	
PROJECT ITEM TOTALS	**420.0**	**1,595**	***7,660**	***17,082**	

** NOTE: QTY CALCULATED AT 0.05 GAL/SY

CURB AND GUTTER

STATION - STATION	601.0557 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D LF
PROJECT 6350-07-77	
CATEGORY 0020	
STAGE 1	
10+14'A' - 10+61'A' LT	74
10+14'A' - 10+73'A' RT	86
67+53'A' - 68+08'A' LT	87
67+60'A' - 68+10'A' RT	79
CATEGORY 0020 SUBTOTAL	326
PROJECT 6350-07-77 SUBTOTAL	326
PROJECT ITEM TOTALS	***326**

RIP RAP

STATION	LOCATION	606.0200 RIP RAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY
PROJECT 6350-07-77			
CATEGORY 0020			
STAGE 1			
23+25'A'	RT	7	15
54+60'A'	RT	9	18
102+75'B'	RT	6	11
204+00'C'	RT	5	10
401+09'E'	RT	9	17
CATEGORY 0020 SUBTOTAL		36	71
PROJECT 6350-07-77 SUBTOTAL		36	71
PROJECT ITEM TOTALS		***36**	***71**

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEERS ESTIMATE CATEGORY 0020, UNLESS OTHERWISE NOTED

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

SALVAGED TOPSOIL, MULCHING, FERTILIZER, AND SEEDING

STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB
PROJECT 6350-07-77					
CATEGORY 0020					
STAGE 1					
10+00'A' - 35+50'A'	LT	3,060	322	1.9	55.1
10+00'A' - 36+00'A'	RT	2,792	100	1.8	50.3
36+00'A' - 53+50'A'	RT	2,086	108	1.3	37.5
36+25'A' - 53+00'A'	LT	2,228	423	1.4	40.1
53+50'A' - 68+00'A'	RT	1,449	24	0.9	26.1
53+75'A' - 68+00'A'	LT	1,238	100	0.8	22.3
200+75'C' - 206+75'C'	LT	727	84	0.5	13.1
200+75'C' - 206+75'C'	RT	615	100	0.4	11.1
300+25'D' - 305+50'D'	LT	915	371	0.6	16.5
300+25'D' - 305+50'D'	RT	1,182	638	0.7	21.3
313+25'D' - 317+00'D'	RT	656	284	0.4	11.8
313+62'D' - 317+00'D'	LT	81	100	0.1	1.5
400+50'E' - 412+75'E'	LT	1,805	630	1.1	32.5
400+50'E' - 412+50'E'	RT	1,526	436	1.0	27.5
412+75'E' - 420+25'E'	LT	572	100	0.4	10.3
413+00'E' - 420+50'E'	RT	934	267	0.6	16.8
420+50'E' - 421+88'E'	RT	247	99	0.2	4.4
421+00'E' - 421+88'E'	LT	129	31	0.1	2.3
UNDISTRIBUTED		1,208	483	0.8	20.0
CATEGORY 0020 SUBTOTAL		23,450	4,700	15	420
PROJECT 6350-07-77 SUBTOTAL		23,450	4,700	15	420
PROJECT ITEM TOTALS		***23,450**	***4,700**	***15**	***420**

EROSION CONTROL

STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT CLASS I TYPE A URBAN SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EA	628.7570 ROCK BAGS EA
PROJECT 6350-07-77								
CATEGORY 0020								
STAGE 1								
10+00'A' - 35+50'A'	LT	150	150	2,667	71	120	30	---
10+00'A' - 36+00'A'	RT	1,375	1,375	2,478	414	110	6	30
36+00'A' - 53+50'A'	RT	710	710	1,833	145	100	6	---
36+25'A' - 53+00'A'	LT	600	600	1,555	250	70	6	30
53+50'A' - 68+00'A'	RT	1,435	1,435	1,075	350	70	3	30
53+75'A' - 68+00'A'	LT	1,395	1,395	855	690	60	40	---
100+25'B' - 100+40'B'	LT	40	40	---	---	---	---	---
100+25'B' - 100+40'B'	RT	40	40	---	---	---	---	---
200+75'C' - 206+75'C'	LT	460	460	538	105	20	19	---
200+75'C' - 206+75'C'	RT	505	505	600	70	20	3	30
300+25'D' - 305+50'D'	LT	---	---	511	33	10	6	---
300+25'D' - 305+50'D'	RT	320	320	511	33	10	3	30
313+25'D' - 317+00'D'	RT	---	---	350	22	10	3	---
313+62'D' - 317+00'D'	LT	---	---	353	---	20	---	---
400+50'E' - 412+75'E'	LT	475	475	1,000	175	50	31	---
400+50'E' - 412+50'E'	RT	500	500	890	200	50	---	30
412+75'E' - 420+25'E'	LT	---	---	833	---	40	---	---
413+00'E' - 420+50'E'	RT	625	625	667	---	30	---	---
420+50'E' - 421+88'E'	RT	---	---	148	---	10	---	---
421+00'E' - 421+88'E'	LT	---	---	98	---	10	---	---
UNDISTRIBUTED	---	870	870	1,698	262	80	14	30
CATEGORY 0020 SUBTOTAL		9,500	9,500	18,660	2,820	890	170	210
PROJECT 6350-07-77 SUBTOTAL		9,500	9,500	18,660	2,820	890	170	210
PROJECT ITEM TOTALS		***9,500**	***9,500**	***18,660**	***2,820**	***890**	***170**	***210**

DUST CONTROL SURFACE TREATMENT

STATION	LOCATION	623.0200 SY
PROJECT 6350-07-77		
CATEGORY 0020		
STAGE 1		
FUEHRER AVE	LT & RT	2,000
CATEGORY 0020 SUBTOTAL		2,000
PROJECT 6350-07-77 SUBTOTAL		2,000
PROJECT ITEM TOTALS		***2000**

MOBILIZATIONS EROSION CONTROL

LOCATION	628.1905 EROSION CONTROL EACH	628.1910 EMERGENCY EROSION CONTROL EACH
PROJECT 6350-07-77		
CATEGORY 0020		
STAGE 1		
PROJECT LIMITS	3	3
CATEGORY 0020 SUBTOTAL	3	3
PROJECT 6350-07-77 SUBTOTAL	3	3
PROJECT ITEM TOTALS	***3**	***3**

TRACKING PADS

STATION - STATION	628.7560 EACH
PROJECT 6350-07-77	
CATEGORY 0020	
STAGE 1	
10+70'A' - 11+25'A'	1
67+00'A' - 67+25'A'	1
CATEGORY 0020 SUBTOTAL	2
PROJECT 6350-07-77 SUBTOTAL	2
PROJECT ITEM TOTALS	**2**

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEERS ESTIMATE CATEGORY 0020, UNLESS OTHERWISE NOTED

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

MARKERS CULVERT END

STATION	LOCATION	633.5200 EACH
PROJECT 6350-07-77		
CATEGORY 0020		
STAGE 1		
10+75.7'A'	LT & RT	2
23+18.5'A'	RT	1
23+31.5'A'	LT	1
40+50.'A'	LT & RT	2
54+49.9'A'	RT	1
54+70.1'A'	LT	1
204+00.0'C'	RT	1
204+31.0'C'	LT	1
300+46.0'D'	LT & RT	2
401+02.7'E'	RT	1
401+16.3'E'	LT	1
CATEGORY 0020 SUBTOTAL		14
PROJECT 6350-07-77 SUBTOTAL		14
PROJECT ITEM TOTALS		***14**

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE W x H	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 4x6-INCH 634.0612 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	REMARKS
PROJECT 6350-07-77										
CATEGORY 0020										
STAGE 1										
F1-01	R1-1	STOP	30" x 30"	5.81	—	---	---	1	---	
F1-02	W3-1	STOP AHEAD	36" x 36"	---	—	9.00	---	---	1	
F1-03	R2-1	SPEED LIMIT 35	24" x 30"	5.00	—	---	---	---	1	
F1-04	W1-2R	ROAD CURVES RIGHT	30" x 30"	---	—	6.25	---	---	1	
F2-01	W1-2L	ROAD CURVES LEFT	30" x 30"	---	—	6.25	---	---	1	
F2-02	W1-2L	ROAD CURVES LEFT	30" x 30"	---	—	6.25	---	---	1	
F2-03	W1-2R	ROAD CURVES RIGHT	30" x 30"	---	—	6.25	---	---	1	
F2-04	W1-2L	ROAD CURVES LEFT	30" x 30"	---	—	6.25	---	---	1	
F2-05	W1-2R	ROAD CURVES RIGHT	30" x 30"	---	—	6.25	---	---	1	
F2-06	W1-2R	ROAD CURVES RIGHT	30" x 30"	---	—	6.25	---	---	1	
F2-07	W3-1	STOP AHEAD	36" x 36"	---	—	9.00	---	---	1	
F2-08	R2-1	SPEED LIMIT 35	24" x 30"	5.00	—	---	---	---	1	
F2-09	R1-1	STOP	30" x 30"	5.81	—	---	---	1	---	
F3-01	W5-56		18" x 18"	---	2.25	2.25	1	---	---	END OF ROAD MARKER
F3-02	W5-56		18" x 18"	---	2.25	2.25	1	---	---	END OF ROAD MARKER
F3-03	W5-56		18" x 18"	---	2.25	2.25	1	---	---	END OF ROAD MARKER
F3-04	R1-1	STOP	30" x 30"	5.81	—	---	---	---	1	
F3-05	R1-1	STOP	30" x 30"	5.81	—	---	---	---	1	
F3-06	W14-1	DEAD END	30" x 30"	---	—	6.25	---	---	1	
F3-07	W3-1	STOP AHEAD	36" x 36"	---	—	9.00	---	---	1	
F3-08	R2-1	SPEED LIMIT 35	24" x 30"	5.00	—	---	---	---	1	
F4-01	W5-56		18" x 18"	---	2.25	2.25	1	---	---	END OF ROAD MARKER
F4-02	W5-56		18" x 18"	---	2.25	2.25	1	---	---	END OF ROAD MARKER
F4-03	W5-56		18" x 18"	---	2.25	2.25	1	---	---	END OF ROAD MARKER
F4-04	R1-1	STOP	30" x 30"	5.81	—	---	---	---	1	
F4-05	W14-1	DEAD END	30" x 30"	---	—	6.25	---	---	1	
F4-06	W1-4R	ROAD CURVES AHEAD	30" x 30"	---	—	6.25	---	---	1	
F4-07	W3-1	STOP AHEAD	36" x 36"	---	—	9.00	---	---	1	
F4-08	R2-1	SPEED LIMIT 35	24" x 30"	5.00	—	---	---	---	1	
F4-09	W1-4R	ROAD CURVES AHEAD	30" x 30"	---	—	6.25	---	---	1	
F5-01	R1-1	STOP	30" x 30"	5.81	—	---	---	---	1	
CATEGORY 0020 SUBTOTAL				54.86	13.50	118.25	6	2	23	
PROJECT 6350-07-77 SUBTOTAL				54.86	13.50	118.25	6	2	23	
PROJECT ITEM TOTALS				***54.86**	**13.50**	***118.25**	***6**	***2**	***23**	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEERS ESTIMATE CATEGORY 0020, UNLESS OTHERWISE NOTED

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

TRAFFIC CONTROL

LOCATION	DAYS	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.0900 SIGNS DAYS
PROJECT 6350-07-77						
CATEGORY 0020						
STAGE 1						
NB CTH P	40	440	---	---	200	120
SB CTH P	40	---	---	---	---	120
A-LINE (WEST)	40	---	80	160	---	40
A-LINE (EAST)	40	---	80	160	---	40
B-LINE (EAST)	40	---	80	160	---	40
FUEHRER AVE (SOUTH)	40	---	120	160	---	40
FUEHRER AVE (NORTH)	40	---	80	160	---	40
SCHULTZ AVE.	40	---	80	160	---	40
E-LINE & GEORGE AVE INT.	40	---	80	160	---	40
NB NORTH RD	40	---	---	---	---	120
SB NORTH RD	40	440	---	---	200	120
CATEGORY 0020 SUBTOTAL	440	880	600	1120	400	760
PROJECT 6350-07-77 SUBTOTAL	440	880	600	1120	400	760
PROJECT ITEM TOTALS	**440**	***880**	***600**	***1120**	***400**	***760**

PAVEMENT MARKING

STATION - STATION	LOCATION	646.0106 EPOXY 4-INCH YELLOW LF	REMARKS
PROJECT 6350-07-77			
CATEGORY 0020			
STAGE 1			
10+24'A' - 68+01'A'	CENTERLINE	11,554	DOUBLE YELLOW
202+25'C' - 206+79'C'	CENTERLINE	908	DOUBLE YELLOW
400+24'E' - 421+10'E'	CENTERLINE	4,172	DOUBLE YELLOW
CATEGORY 0020 SUBTOTAL		16,634	
PROJECT 6350-07-77 SUBTOTAL		16,634	
PROJECT ITEM TOTALS		***16,634**	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEERS ESTIMATE CATEGORY 0020, UNLESS OTHERWISE NOTED

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONSTRUCTION STAKING

STATION - STATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.6000 CULVERT PIPES EACH	650.9920 SLOPE STAKES LF
PROJECT 6350-07-77					
CATEGORY 0020					
STAGE 1					
10+14'A' - 68+14'A'	5,800	5,800	---	---	5,800
10+14'A' - 10+61'A' LT	---	---	74	---	---
10+14'A' - 10+73'A' RT	---	---	86	---	---
10+75'A'	---	---	---	1	---
23+25'A'	---	---	---	1	---
40+50'A'	---	---	---	1	---
54+60'A'	---	---	---	1	---
67+53'A' - 68+08'A' LT	---	---	87	---	---
67+60'A' - 68+10'A' RT	---	---	79	---	---
100+15'B' - 100+40'B'	25	25	---	---	25
200+93'C' - 206+85'C'	592	592	---	---	592
204+15'C'	---	---	---	1	---
300+15'D' - 305+50'D'	535	535	---	---	535
300+47'D'	---	---	---	1	---
314+70'D' - 316+83'D'	213	213	---	---	213
400+15'E' - 421+88'E'	2,173	2,173	---	---	2,173
401+10'E'	---	---	---	1	---
CATEGORY 0020 SUBTOTAL	9,338	9,338	326	7	9,338
PROJECT 6350-07-77 SUBTOTAL	9,338	9,338	326	7	9,338
PROJECT ITEM TOTALS	***9,338**	***9,338**	***326**	***7**	***9,338**

GEOGRID REINFORCEMENT

LOCATION	SPV 0180.01 SY
PROJECT 6350-07-77	
CATEGORY 0020	
STAGE 1	
UNDISTRIBUTED	5,600
CATEGORY 0020 SUBTOTAL	5,600
PROJECT 6350-07-77 SUBTOTAL	5,600
PROJECT ITEM TOTALS	**5,600**

UNDISTRIBUTED AREA INCLUDED FOR POSSIBLE POOR SOILS NEAR WETLAND AREAS. USE AS DIRECTED BY ENGINEER.

SAWING

STATION	LOCATION	690.0150 ASPHALT LF	REMARKS
PROJECT 6350-07-77			
CATEGORY 0020			
STAGE 1			
10+13.'A'	LT & RT	192	
68+15.4'A'	LT & RT	263	
CATEGORY 0020 SUBTOTAL		455	
PROJECT 6350-07-77 SUBTOTAL		455	
PROJECT ITEM TOTALS		***455**	

STREET LIGHTING REMOVALS

CATEGORY	NUMBER	STATION	OFFSET	(204.0195) REMOVING CONCRETE BASES EACH	(SPV.0105.03) REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES LS
0010	EX-LP2	255+96.9	27.5' RT	1	-
	EX-LP3	258+8.8	27.5' RT	1	-
	EX-LP4	260+9.1	27.5' RT	1	-
	EX-LP5	262+9.7	27.5' RT	1	-
	EX-LP6	264+13.8	27.5' RT	1	-
	EX-LP7	266+8.6	27.5' RT	1	-
	EX-LP8	268+8.7	27.5' RT	1	-
	EX-LP9	270+9.3	27.5' RT	1	-
	EX-LP10	272+12.9	27.5' RT	1	-
	EX-LP11	274+9.1	27.5' RT	1	-
	EX-LP12	276+7.8	27.0' RT	1	-
	EX-LP13	277+86.1	27.0' RT	1	-
	EX-LP14	279+58.1	27.0' RT	1	-
	EX-LP15	281+59.9	27.0' RT	1	-
	EX-LP16	283+4.5	27.0' RT	1	-
	EX-LP17	284+58.4	27.0' RT	1	-
	EX-LP18	286+17.5	27.0' RT	1	-
	EX-LP19	287+72.1	27.0' RT	1	-
	EX-LP20	289+38.3	27.0' RT	1	-
	EX-LP21	291+56.8	27.0' RT	1	-
	EX-LP22	293+56.8	27.0' RT	1	-
	EX-LP23	295+57.6	27.0' RT	1	-
	EX-LP24	297+58.8	27.0' RT	1	-
	EX-LP25	299+58.7	27.0' RT	1	-
	EX-LP26	301+62.4	27.0' RT	1	-
	EX-LP27	303+63.0	27.0' RT	1	-
	EX-LP28	305+59.7	27.0' RT	1	-
	EX-LP29	307+58.9	27.0' RT	1	-
	EX-LP30	309+58.5	27.0' RT	1	-
	PROJECT 6350-07-77			-	1
	PROJECT TOTALS			**29**	**1**

CONDUIT RIGID NONMETALLIC

CATEGORY	FROM	TO	(652.0225) SCHEDULE 40 2-INCH LF	(652.0325) SCHEDULE 80 2-INCH LF
0010	STUB	LP-1	10	-
	LP-1	LP-2	157	-
	LP-2	LP-3	200	-
	LP-3	LP-4	205	-
	LP-4	LP-5	200	-
	LP-5	LP-6	200	-
	LP-6	LP-7	196	-
	LP-7	LP-8	200	-
	LP-8	LP-9	200	-
	LP-9	PB-1	60	-
	PB-1	EX LCB1	18	-
	PB-1	LP-10	143	-
	LP-10	LP-11	197	-
	LP-11	LP-12	200	-
	LP-12	LP-13	184	-
	LP-13	LP-14	183	-
	LP-14	LP-15	183	-
	LP-15	LP-16	204	-
	LP-16	STUB	10	-
	STUB	LP-17	10	-
	LP-17	LP-18	205	-
	LP-18	LP-19	195	-
	LP-19	LP-20	195	-
	LP-20	LP-21	205	-
	LP-21	LP-22	200	-
	LP-22	LP-23	200	-
	LP-23	PB-2	18	-
	PB-2	PB-3	-	122
	PB-3	EX LCB2	8	-
	EX LCB2	PB-4	8	-
	PB-4	LP-24	40	-
	LP-24	LP-25	200	-
	LP-25	LP-26	200	-
	LP-26	LP-27	200	-
	LP-27	LP-28	200	-
	LP-28	LP-29	200	-
	LP-29	STUB	10	-
	TEMPORARY (ABOVE GROUND)			
	EX-LP22	LP-22	-	214
	LP-24	EX-LP26	-	199
	PROJECT TOTALS		**5,244**	**535**

ELECTRICAL WIRE LIGHTING

CATEGORY	FROM	TO	(655.0620) ELECTRICAL WIRE LIGHTING 8 AWG LF	(655.0625) ELECTRICAL WIRE LIGHTING 6 AWG LF	(655.0630) ELECTRICAL WIRE LIGHTING 4 AWG LF
0010	STUB	LP-1	-	-	-
	LP-1	LP-2	-	334	167
	LP-2	LP-3	-	420	210
	LP-3	LP-4	-	430	215
	LP-4	LP-5	-	420	210
	LP-5	LP-6	-	420	210
	LP-6	LP-7	-	-	618
	LP-7	LP-8	-	-	630
	LP-8	LP-9	-	-	630
	LP-9	PB-1	-	-	243
	PB-1	EX LCB1	64	32	96
	PB-1	LP-10	328	164	-
	LP-10	LP-11	414	207	-
	LP-11	LP-12	420	210	-
	LP-12	LP-13	388	194	-
	LP-13	LP-14	386	193	-
	LP-14	LP-15	386	193	-
	LP-15	LP-16	428	214	-
	LP-16	STUB	-	-	-
	STUB	LP-17	-	-	-
	LP-17	LP-18	430	215	-
	LP-18	LP-19	410	205	-
	LP-19	LP-20	410	205	-
	LP-20	LP-21	430	215	-
	LP-21	LP-22	420	210	-
	LP-22	LP-23	420	-	210
	LP-23	PB-2	78	-	39
	PB-2	PB-3	308	-	154
	PB-3	EX LCB2	62	-	31
	EX LCB2	PB-4	62	31	-
	PB-4	LP-24	122	61	-
	LP-24	LP-25	420	210	-
	LP-25	LP-26	630	-	-
	LP-26	LP-27	630	-	-
	LP-27	LP-28	630	-	-
	LP-28	LP-29	630	-	-
	LP-29	STUB	-	-	-
	TEMPORARY (IN ABOVE GROUND CONDUIT)				
	EX-LP22	LP-22	-	672	-
	LP-24	EX-LP26	-	627	-
	TEMPORARY (IN NEW UNDERGROUND CONDUIT)				
	LP-22	LP-23	-	630	-
	LP-23	PB-2	-	117	-
	PB-2	PB-3	-	462	-
	PB-3	EX LCB2	-	93	-
	EX LCB2	PB-4	-	93	-
	PB-4	LP-24	-	183	-
	PROJECT TOTALS		**8,906**	**7,660**	**3,663**

REMOVE AND RELOCATE EXISTING SERVICE METER/LIGHTING CONTROL CABINET

CATEGORY	CABINET NUMBER	FROM STATION	OFFSET	TO STATION	OFFSET	(SPV.0060.11) EACH
0010	EX LCB2	299+18.1	35.8' RT	299+18.0	42.0' RT	1
				PROJECT TOTAL		**1**

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS

CATEGORY	PROJECT	(650.8500) LS
0010	6350-07-77	1
	PROJECT TOTAL	**1**

PULL BOXES STEEL 24x42-INCH

CATEGORY	PULL BOX NUMBER	STATION	OFFSET	(653.0140) EACH
0010	PB-1	270+72.0	28.0' RT	1
	PB-2	297+88.0	42.0' RT	1
	PB-3	299+10.0	42.0' RT	1
	PB-4	299+26.0	42.0' RT	1
		PROJECT TOTAL		**4**

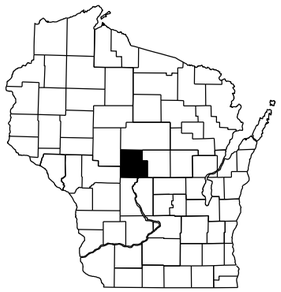
STREET LIGHT POLE ASSEMBLY

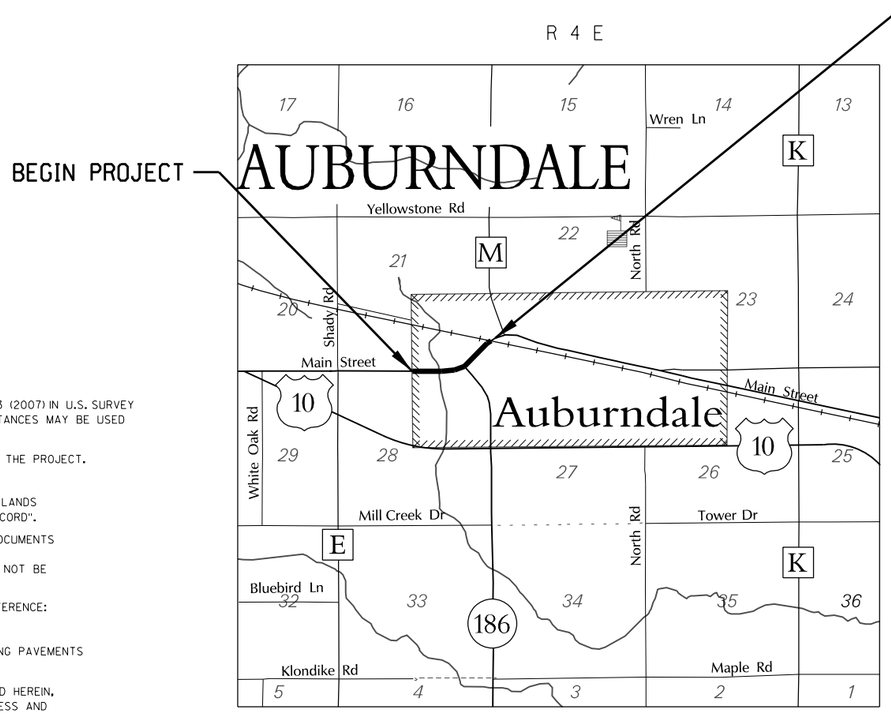
CATEGORY	POLE NUMBER	STATION	OFFSET	(654.0106) CONCRETE BASES TYPE 6 EACH	(657.0255) TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	(657.0327) POLES TYPE 6-ALUMINUM EACH	(657.0705) LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT EACH	(659.1125) LUMINAIRES UTILITY LED C EACH	(SPV.0060.12) LIGHTING ASSEMBLIES DECORATIVE COLOR EACH	(SPV.0060.13) LIGHTING ASSEMBLY BANNER ARMS EACH	(SPV.0060.14) FESTOON RECEPTACLE BOX EACH	(655.0610) ELECTRICAL WIRE LIGHTING 12 AWG LF
0010	LP-1	254+55.0	40.0' RT	1	1	1	1	1	1	1	1	144
	LP-2	256+12.0	40.0' RT	1	1	1	1	1	1	1	1	144
	LP-3	258+12.0	33.0' RT	1	1	1	1	1	1	1	1	144
	LP-4	260+16.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-5	262+16.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-6	264+16.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-7	266+12.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-8	268+12.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-9	270+12.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-10	272+15.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-11	274+12.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-12	276+12.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-13	277+96.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-14	279+79.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP 15	281+62.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-16	283+66.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-17	285+70.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-18	287+75.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-19	289+70.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-20	291+65.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-21	293+70.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-22	295+70.0	42.0' RT	1	1	1	1	1	1	1	1	144
	LF-23	297+70.0	42.0' RT	1	1	1	1	1	1	1	1	144
	LP-24	299+65.0	36.0' RT	1	1	1	1	1	1	1	1	144
	LP-25	301+65.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-26	303+65.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-27	305+65.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-28	307+65.0	28.0' RT	1	1	1	1	1	1	1	1	144
	LP-29	309+65.0	28.0' RT	1	1	1	1	1	1	1	1	144
	PROJECT TOTALS			**29**	**29**	**29**	**29**	**29**	**29**	**29**	**29**	**4,176**

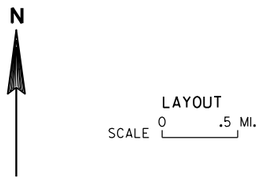
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

6350-07-23
MARSHFIELD - STEVENS POINT
RELOCATION AT MARSHFIELD STREET
WOOD COUNTY







NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WOOD COUNTY, NAD 83 (2007) 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. (TYPICALLY 3/4"X24" RE-BAR)

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 USH 10 ESTABLISHED FROM PREVIOUS PROJECTS
6350-5-21, 4848, 4641, 6350-1-70, 6350-7-71, 6350-07-21, AND
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS AND CERTIFIED SURVEY MAPS.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION 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 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 AUTHORITIES 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 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 NECESSARY OR DESIRABLE.

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

DISTANCES SHOWN TO BUILDINGS ARE APPROXIMATE.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE WISCONSIN RAPIDS.

CONVENTIONAL ABBREVIATIONS

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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LP (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	•(SET)	PROPERTY LINE	
R/W STANDARD	▲(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		ACCESS RESTRICTION (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		ACCESS RESTRICTION (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		ACCESS RESTRICTION (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB2	QUARTER LINE	
PARCEL NUMBER	103	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	92	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

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

SEH
425 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-23-4.01
SHEET 2 OF 2
AMENDMENT NO:

TRANSPORTATION PROJECT PLAT NO: 6350-07-23-4.01 AMENDMENT NO. 2

ADDS PARCEL 9 & UTILITY NO. 104 AND AMENDS PARCELS 1, 7, & 8, UTILITY NO. 101 & 106 TRANSPORTATION PROJECT PLAT 6350-07-23-4.01 RECORDED AS DOCUMENT NO. 2014R00912 AND AMENDS PARCELS 2, 3, 4, & 6 OF TRANSPORTATION PROJECT PLAT 6350-07-23-4.01 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 2014R01749.

THAT PART OF LOTS 1 & 2, CSM NO. 606 LOCATED IN AND INCLUDING PART OF THE SE 1/4 OF THE SE 1/4, PART OF THE SW 1/4 OF THE SE1/4, ALL IN SECTION 21, ALSO INCLUDING PART OF LOT 1, CSM NO. 2006 LOCATED IN AND INCLUDING PART OF THE NE 1/4 OF THE NE 1/4, INCLUDING PART OF LOT 1, CSM NO. 8526 LOCATED IN AND INCLUDING THE NW 1/4 OF THE NE 1/4, ALL IN SECTION SECTION 28, T25N, R4E, VILLAGE OF AUBURNDALE, WOOD CTY, WISCONSIN.

RELOCATION ORDER USH 10, MARSHFIELD - STEVENS POINT (RELOCATION AT MARSHFIELD STREET)

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.

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
101	WISCONSIN POWER AND LIGHT COMPANY, A WISCONSIN CORPORATION	RELEASE OF RIGHTS
104	WISCONSIN TELEPHONE COMPANY D/B/A AT&T WISCONSIN	RELEASE OF RIGHTS
106	CENTRAL STATE TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT ___:___ .M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-23-4.01
AMENDMENT NO: 2

RECOVERED MONUMENTS

POINT	DESCRIPTION	Y	X
306	1" IRON PIPE W/ DOT CAP	538156.011	676629.556
308	1" IRON PIPE W/ DOT CAP	538659.168	676953.897
518	1" IRON PIPE	537742.401	675780.409
523	1" IRON PIPE	537635.331	677308.643
524	1" IRON PIPE	537420.249	677310.447
525	1" IRON PIPE	537985.250	677307.438
526	1" IRON PIPE	538147.265	677307.471
527	2" IRON PIPE	537819.866	676957.472

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
101	1 & 8	BLANKET EASEMENT	V. 146 P. 25
	9	BLANKET EASEMENT	DOC. # 180748
104	9	EASEMENT	DOC. # 206485
106	1 & 9	EASEMENT	V. 469 P. 598
	4 & 8	NO RECORD OF EASEMENT	---

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 S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
1	ENDERS MGT INC	FEE,TLE	9,387	-	9,387	9.416
2	LYLE P. & MARY A. ULE	FEE,TLE	95,304	-	95,304	528
3	LYLE P. & MARY A. ULE	FEE,TLE	860	-	860	2,215
4	JUDY ROGNEY A/K/A JUDY WILLFAHRT	TLE	-	-	-	2,537
6	DIANE M. BERDAN-HINOJOSA	TLE	-	-	-	1,635
7	JEROME & SUZANNE PANKRATZ	TLE	-	-	-	384
8	RANDY B. MEYER	FEE,TLE	7,888	-	7,888	11,442
9	CARL H. & PENNY L. JENNEJOHN	FEE,TLE	1,799	-	1,799	793

RW COURSE TABLE

402-192	S00°30'42"E	804.56'
192-419	S00°30'42"E	266.57'
419-193	S89°29'18"W	86.85'
193-705	SEE CURVE DATA	
705-704	S49°27'13"W	5.00'
704-357	N40°32'47"W	650.24'
357-356	S88°59'24"W	393.65'
356-355	N89°55'05"W	279.10'
355-354	N84°05'19"W	50.26'
354-376	N00°04'55"E	50.00'
376-377	N00°04'55"E	50.00'
377-700	S89°43'48"E	19.26'
700-723	SEE CURVE DATA	
723-724	N32°48'44"E	598.44'
724-808	N39°25'01"E	112.41'
808-809	SEE CURVE DATA	
809-810	S00°12'43"W	302.11'
810-725	SEE CURVE DATA	
725-613	S39°25'35"W	112.86'
613-178	S39°09'02"W	333.31'
178-177	S20°35'04"W	183.62'
177-176	S08°08'58"W	92.35'
176-175	S13°07'58"E	133.40'
175-174	S79°23'14"E	173.29'
174-716	S89°44'10"E	252.15'
716-715	S00°08'50"E	66.00'
715-714	N89°44'06"W	235.12'
714-172	SEE CURVE DATA	
172-171	SEE CURVE DATA	
171-711	S40°32'46"E	62.06'
711-709	SEE CURVE DATA	
709-710	N66°17'42"E	35.04'
710-192	N89°29'18"E	33.00'

FEE STATION OUT TABLE

171	225+01.09	50.00' RT	704	224+36.40		
172	228+76.10	50.00' RT	705	224+36.44	49.16'	LT
174	121+70.00	32.73' LT	709	220+34.07	47.66'	RT
175	120+00.00	45.00' LT	710	220+33.97	82.70'	RT
176	232+00.00	70.00' RT	711	224+37.56	50.83'	RT
177	233+00.00	70.00' RT	714	121+88.95	32.95'	RT
178	235+00.00	80.00' RT	715	124+24.06	30.51'	RT
192	220+21.92	113.06' RT	716	124+22.90	35.48'	LT
193	218+00.00	52.32' LT	723	233+29.42	180.54'	LT
354	109+50.00	49.90' RT	724	238+64.32	129.52'	LT
355	110+00.00	55.00' RT	725	239+71.09	119.23'	RT
356	112+79.10	55.00' RT	726	241+01.59	119.30'	RT
357	116+71.34	55.00' RT	727	242+92.02	125.54'	LT
376	109+50.00	0.10' LT	808	239+71.27	125.80'	LT
377	109+50.00	50.11' LT	809	243+54.86	125.48'	LT
419	217+80.85	32.43' RT	810	241+77.16	119.36'	RT
613	238+53.24	115.24' RT	811	240+63.47	125.73'	LT
700	109+69.26	50.04' LT				

TLE STATION OUT TABLE

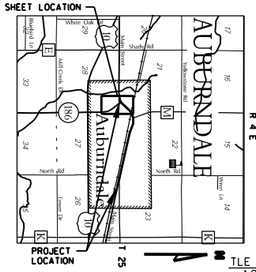
118	122+50.00	70.00' LT	352	112+79.10	60.00'	RT
119	122+80.00	70.00' LT	353	110+00.00	60.00'	RT
120	123+00.00	50.00' LT	358	228+65.00	85.00'	RT
121	121+50.00	55.00' LT	359	228+07.00	82.00'	RT
122	122+50.00	55.00' LT	365	227+45.00	61.00'	RT
182	121+10.00	90.00' RT	366	226+00.00	55.00'	RT
183	121+15.00	65.00' RT	367	224+25.00	60.00'	RT
188	122+15.00	32.68' RT	368	223+40.00	55.00'	RT
189	124+22.84	40.00' LT	369	222+40.00	55.00'	RT
190	123+50.00	40.00' LT	370	222+40.00	48.95'	RT
231	116+90.75	78.83' RT	371	226+00.00	64.63'	LT
249	121+50.00	65.00' LT	372	226+00.00	70.00'	LT
328	116+65.00	100.00' RT	373	228+00.00	128.00'	LT
329	115+00.00	80.00' RT	374	228+00.00	121.73'	LT
351	115+00.00	60.00' RT				

BASIS OF R/W

ROAD	DOCUMENT	YEAR	ROAD	DOCUMENT	YEAR
MAIN ST.	RW PROJECT 6350-5-21	1981	VAN ST.	RW PROJECT 6350-5-21	1981
	RW PROJECT T 039(2)	1968		RW PROJECT T 039(2)	1968
	DIVISION JOB 4641	1931		CSM NO. 3669	1986
	CSM NO. 2006	1978		CSM NO. 6439	1998
	CSM NO. 8526	2006	MARSHFIELD STREET	RW PROJECT 6350-5-21	1981
S.T.H. 186	RW PROJECT 6350-5-21	1981		RW PROJECT T 039(2)	1968
	RW PROJECT T 039(2)	1968		CSM NO. 606	1971
	CSM NO. 2006	1978			

VILLAGE OF AUBURNDALE

LOCATION SKETCH
NOT TO SCALE
SHEET LOCATION



SCALE, FEET
0 100 200

PISTA 113+80.33
PIY =537,791.332
PIX =676,265.974
DELTA =1°28'26"(LT)
R =7870.00'
D =0°43'41"
T =101.23'
L =202.44'

PISTA 232+07.28
PIY =537,873.640
PIX =676,525.545
DELTA =77°03'13"(RT)
R =921.00'
D =6°13'16"
T =733.30'
L =1238.60'

PISTA 219+73.54
PIY =536,901.925
PIX =677,344.601
DELTA =39°27'06"(LT)
R =1300.00'
D =4°24'27"
T =466.13'
L =895.13'

PISTA 121+29.93
PIY =537,787.204
PIX =677,013.611
DELTA =11°31'37"(LT)
R =520.00'
D =11°01'06"
T =52.48'
L =104.61'

PISTA 120+36.76
PIY =537,807.277
PIX =676,922.222
DELTA =13°46'46"(RT)
R =340.00'
D =16°51'06"
T =41.08'
L =81.77'

PISTA 248+61.13
PIY =539,378.016
PIX =677,656.137
DELTA =78°39'13"(RT)
R =1146.00'
D =4°59'59"
T =938.89'
L =1573.19'

STA 230+16.26 MAIN ST =
PI STA 119+01.58 MARSHFIELD ST
Y=537,803.993
X=676,787.083

SEC. LINE / REF. LINE INT. = STA. 229+99.81

PI 109+19.67
Y= 537791.992
X= 675805.316

FOUND SURVEY MARKER NAIL
Y= 537797.063
X= 674747.687

PI 113+80.33
PC 112+79.10
PT 114+81.54
PI 232+07.28
PC 119+95.67
PI 120+36.76
PRC 120+77.44
PI 121+29.93
PT 121+82.06
PC 224+73.98
PT 224+02.54
PI 219+73.54
PI 124+5.45
PC 239+22.24
PT 237+12.57
STA. 242+75.75

SECTION LINE = N89°44'10"W 2592.65'
SECTION LINE = N00°30'42"W 2645.29'
SECTION LINE = N00°12'43"E 2635.14'

CSM 8526 LOT 1 V.29, P.126
CSM 2006 LOT 1 V.7, P.206
CSM 606 LOT 1 V.3, P.6
CSM 606 LOT 2 V.3, P.6
CSM 3669 V.13, P.69
CSM 6439 LOT 1 V.22, P.139

TLE - SLOPES 793 S.F.
TLE - SLOPES 8,144 S.F.
TLE - SLOPES 1,272 S.F.
TLE - SLOPES 528 S.F.
TLE - SLOPES 2,215 S.F.
TLE - SLOPES 2,537 S.F.
TLE - SLOPES 1,635 S.F.
TLE - SLOPES 384 S.F.
TLE - SLOPES 11,442 S.F.

WISCONSIN TELEPHONE COMPANY EASEMENT DOC. # 206485
1/16 LINE
MAIN ST.
MARSHFIELD ST.
CTH P
VAN ST.
RESTRICTED ACCESS DIVISION JOB NO. 4641 VOL. 453, PG. 149
WISCONSIN CENTRAL LTD.
RAILROAD DR.
ROSEVILLE AVE.

FOUND SURVEY MARKER NAIL
Y= 537785.125
X= 677340.312

FOUND SURVEY MARKER NAIL
Y= 537785.125
X= 677340.312

FOUND SURVEY MARKER NAIL
Y= 540420.250
X= 677350.062

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET. RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN WOOD CTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 2014R00912

CURVE 193-705	CURVE 700-723	CURVE 808-809	CURVE 808-811
R=1298.14'	R=1095.92'	R=1270.92'	R=1270.92'
L=612.53'	L=857.41'	L=425.65'	L=102.32'
LC=606.86'	LC=835.71'	LC=423.66'	LC=102.29'
CB=N27°17'39"W	CB=N67°55'39"E	CB=N49°00'30"E	CB=N41°43'13"E

CURVE 811-727	CURVE 727-809	CURVE 810-725	CURVE 810-726
R=1270.92'	R=1270.92'	R=1025.92'	R=1025.92'
L=253.61'	L=69.72'	L=184.62'	L=67.70'
LC=253.19'	LC=69.71'	LC=184.37'	LC=67.68'
CB=N49°44'36"E	CB=N57°01'54"E	CB=S44°33'42"W	CB=S47°50'03"W

CURVE 726-725	CURVE 714-172	CURVE 172-171	CURVE 711-709
R=1025.92'	R=348.97'	R=871.00'	R=1398.14'
L=116.92'	L=227.59'	L=354.65'	L=417.37'
LC=116.86'	LC=223.58'	LC=352.21'	LC=415.82'
CB=S42°40'01"W	CB=S70°41'57"W	CB=S26°46'33"E	CB=S32°15'25"E

SEH
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, REGISTERED 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 NORTHCENTRAL REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6350-07-23-4.01 AMENDMENT NO. 2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE)_____DATE 6/3/2014
(PRINTED NAME) JASON L. CANCE
(REGISTRATION NUMBER) RLS # 2688

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

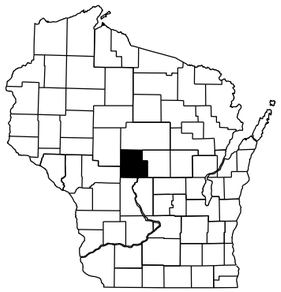
(SIGNATURE)_____DATE_____
(PRINTED NAME)_____

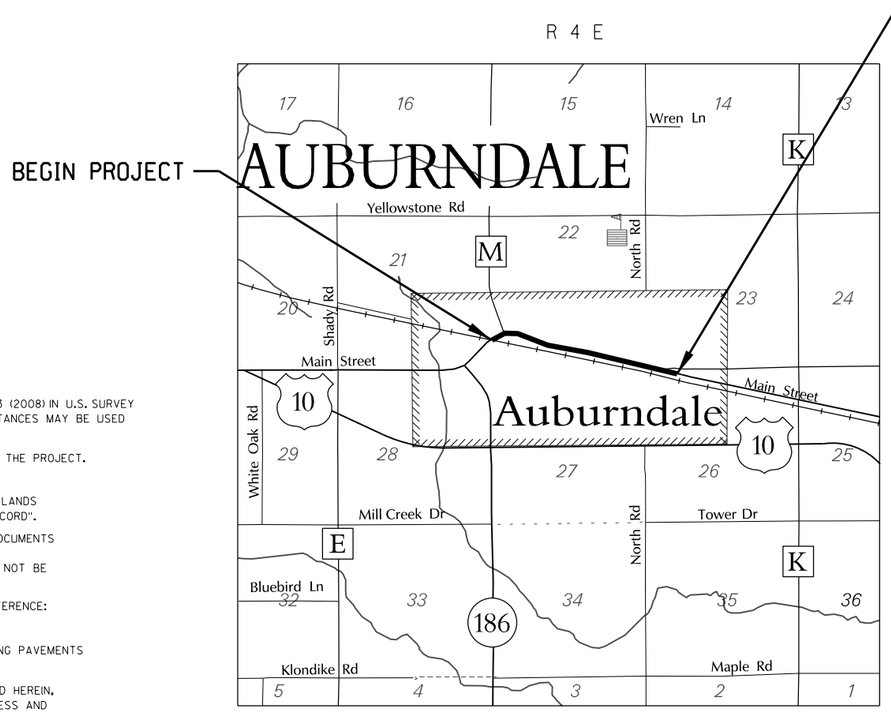
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APPRAISAL PLAT DATE : 6-3-2014
PLOT DATE : 10/8/2015
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

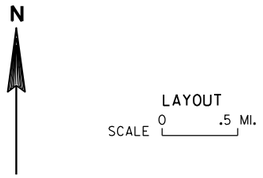
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

6350-07-27
MARSHFIELD - STEVENS POINT
(CN RR TO CTH F, VILLAGE OF AUBURNDALE)
WOOD COUNTY







NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WOOD COUNTY, NAD 83 (2008) 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. (TYPICALLY 3/4"X24" RE-BAR)

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 USH 10 ESTABLISHED FROM PREVIOUS PROJECTS 6350-5-21, 4848, 4641, 6350-1-70, 6350-7-71, 6350-07-21, AND EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS AND CERTIFIED SURVEY MAPS.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION 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 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 AUTHORITIES 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 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 NECESSARY OR DESIRABLE.

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

DISTANCES SHOWN TO BUILDINGS ARE APPROXIMATE.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE WISCONSIN RAPIDS.

CONVENTIONAL ABBREVIATIONS

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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LP (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	•(SET)	PROPERTY LINE	
R/W STANDARD	▲(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		ACCESS RESTRICTION (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		ACCESS RESTRICTION (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		ACCESS RESTRICTION (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB2	QUARTER LINE	
PARCEL NUMBER	103	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	92	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21-1	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

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

SEH
401 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-27-4.01
SHEET 2 OF 2
AMENDMENT NO:

TRANSPORTATION PROJECT PLAT NO: 6350-07-27-4.01

THAT PART OF THE NW 1/4 OF THE SW 1/4, PART OF THE SW 1/4 OF THE SW 1/4, PART OF THE SE 1/4 OF THE SW 1/4, ALL IN SECTION 22, T25N, R4E, VILLAGE OF AUBURNDALE, WOOD COUNTY, WISCONSIN.

RELOCATION ORDER USH 10, MARSHFIELD - STEVENS POINT (CN RR TO CTH F)

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 _____ COUNTY, WISCONSIN AT _:__ _M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-27-4.01
AMENDMENT NO:
SHEET 1 OF 2

PISTA 248+61.13
PIY =539,378.016
PIX =677,656.137
DELTA =78°39'13"(RT)
R =1146.00'
D =4°59'59"
T =938.89'
L =1573.19'

FOUND SURVEY MARKER NAIL
Y= 540420.250
X= 677350.062

PI 15+09.41
Y=539,545.191
X=677,717.135

PI 248+61.13

PI 21+18.86

PISTA 263+53.14
PIY =538,602.308
PIX =679,276.635
DELTA =13°28'06"(LT)
R =1432.39'
D =4°00'00"
T =169.13'
L =336.71'

PISTA 39+39.12
PIY =538,381.466
PIX =680,014.901
DELTA =10°09'34"(RT)
R =300.00'
D =19°05'55"
T =26.67'
L =53.19'

PI 38+31.41
Y=538,273.832
X=680,010.970

PI 26+31.84
Y=538,382.339
X=678,883.490

PI 39+39.12

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 S.F. REQUIRED			HE S.F.	PLE S.F.	TLE S.F.
			NEW	EXISTING	TOTAL			
10	WISCONSIN CENTRAL LTD.	HE/PLE/TLE	-	-	-	74,378	39,185	2,395
9	VILLAGE OF AUBURNDALE	TLE	-	-	-	-	-	13,560

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
101	WISCONSIN POWER & LIGHT COMPANY, A WISCONSIN CORPORATION	RELEASE OF RIGHTS
105	WINDSTREAM KDL, INC.	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
101	10	NO EASEMENT	---
105	10	NO EASEMENT	---

TLE STATION OUT TABLE

205	39+35.00	33.94' LT
388	254+25.00	257.00' RT
389	255+45.00	220.00' RT
390	256+60.00	205.42' RT
391	257+05.00	194.48' RT
392	258+25.00	100.63' RT

HE STATION OUT TABLE

381	259+25.00	141.03' RT
382	257+25.00	260.00' RT
383	255+80.00	325.00' RT
384	255+90.00	365.00' RT
385	27+49.66	33.00' LT
386	254+15.00	461.21' RT
387	254+75.00	410.00' RT
388	254+25.00	257.00' RT
746	26+85.86	33.00' LT

PLE STATION OUT TABLE

395	270+40.00	33.68' RT
396	270+00.00	75.00' RT
397	265+30.00	90.00' RT
398	262+90.00	95.00' RT
399	29+00.00	33.00' RT

FEE STATION OUT TABLE

196	14+25.07	62.18' RT
197	20+99.11	30.23' LT
198	20+99.61	37.82' RT
199	270+79.00	32.87' LT
201	245+92.45	119.75' RT
202	242+44.61	119.42' RT
731	245+90.55	719.96' LT
732	246+00.40	714.25' LT
733	246+30.21	484.58' LT
735	14+55.93	57.89' LT
737	249+32.86	99.90' LT
738	254+91.12	99.34' LT
739	255+70.02	49.33' LT
740	245+98.43	123.01' RT
741	246+13.78	99.77' RT
742	254+94.36	100.67' RT
743	260+28.22	100.61' RT
744	260+41.10	112.82' RT
745	28+92.21	33.00' LT
748	29+08.96	33.00' RT
749	261+83.62	49.28' LT
750	265+20.25	49.37' LT
751	266+17.78	49.37' LT
752	266+17.69	32.87' LT
754	13+59.07	62.34' RT
759	246+52.13	459.25' LT
762	39+66.37	38.43' LT

PLE COURSE TABLE

762-395	N78°04'40"W	41.38'
395-396	S56°10'46"W	57.51'
396-397	N79°43'00"W	470.24'
397-398	N74°33'50"W	254.67'
398-399	N67°40'04"W	167.97'
399-748	N26°09'47"E	8.96'
748-395	S78°04'40"E	927.37'

HE COURSE TABLE

744-381	N78°04'40"W	119.48'
381-382	S84°49'58"W	232.71'
382-383	N88°33'57"W	158.90'
383-384	S11°32'37"W	41.23'
384-385	S78°07'18"E	485.52'
385-746	S26°09'47"W	63.79'
746-386	N78°04'40"W	631.50'
386-387	N59°03'20"E	63.27'
387-388	N10°15'42"E	157.02'
388-381	S78°04'40"E	498.26'

RW COURSE TABLE

402-810	N00°12'43"E	936.49'
810-195	N00°12'43"E	974.66'
195-731	S89°47'17"E	33.00'
731-732	S89°47'17"E	17.00'
732-733	SEE CURVE DATA	
733-759	S67°50'31"E	40.00'
759-735	S87°50'31"E	136.97'
735-196	N79°42'23"E	123.98'
196-754	S24°50'36"E	66.00'
754-737	S24°50'36"E	276.52'
737-197	SEE CURVE DATA	
197-198	S64°24'59"E	68.06'
198-739	S17°03'51"W	50.56'
739-749	S64°24'58"E	613.60'
749-750	SEE CURVE DATA	
750-751	S77°53'19"E	97.51'
751-752	S12°25'33"W	16.50'
752-199	S77°53'19"E	461.32'
199-330	S00°04'14"E	33.63'
330-200	S00°04'14"E	34.27'
200-762	N78°04'40"W	11.95'
762-748	N78°04'40"W	968.75'
748-745	N78°04'40"W	68.09'
745-744	N78°04'40"W	22.70'
744-743	N20°57'17"W	17.74'
743-742	N64°25'34"W	533.77'
742-741	SEE CURVE DATA	
741-740	S11°55'52"W	27.05'
740-201	N78°04'40"W	6.26'
201-810	SEE CURVE DATA	

CURVE 732-733	CURVE 738-197	CURVE 201-810
R=200.00'	R=1245.92'	R=1025.92'
L=250.06'	L=3.73'	L=371.97'
LC=234.09'	LC=3.73'	LC=369.93'
CB=S29°36'20"E	CB=S64°30'07"E	CB=S60°06'41"W
CURVE 737-197	CURVE 749-750	CURVE 201-202
R=1245.92'	R=1382.39'	R=1025.92'
L=610.51'	L=325.05'	L=311.54'
LC=604.42'	LC=324.31'	LC=310.35'
CB=S78°27'14"E	CB=S71°09'09"E	CB=S61°47'55"W
CURVE 737-738	CURVE 742-741	CURVE 202-810
R=1245.92'	R=1045.92'	R=1025.92'
L=606.78'	L=803.57'	L=60.42'
LC=600.80'	LC=783.95'	LC=60.42'
CB=S78°32'23"E	CB=N86°25'35"W	CB=S51°24'43"W

I, JASON L. CANCE, 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 NORTHCENTRAL REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6350-07-27-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE)_____DATE_____
(PRINTED NAME) JASON L. CANCE
(REGISTRATION NUMBER) PLS # 2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION.

(SIGNATURE)_____DATE_____
(PRINTED NAME)_____

SEH
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

BASIS OF R/W

ROAD	DOCUMENT	YEAR
MAIN ST.	RW PROJECT 6350-07-21	1990
	DIVISION JOB 4641	1969
	CSM NO. 4556	1990
	CSM NO. 4446	1990
	CSM NO. 5434	1994
	CSM NO. 4817	1991
	CSM NO. 9002	2009
	CSM NO. 8841	2008
	CSM NO. 9498	2012
C.T.H. M	RW PROJECT T 019-3(29)	1968
	CSM NO. 4556	1990
	CSM NO. 4446	1990
	CSM NO. 5434	1994
EZ AVE.	RW PROJECT 6350-07-21	1990
	CSM NO. 4556	1990
MARSHFIELD STREET	RW PROJECT 6350-07-21	1990

RECOVERED MONUMENTS

POINT	DESC	Y	X
311	3/4" REBAR	539474.606	677687.827
313	3/4" REBAR	538774.939	679017.530
503	1" IRON PIPE	539033.923	678606.312
504	3/4" REBAR	539246.675	678672.661
508	1" IRON PIPE	539610.253	677755.312
509	3/4" REBAR	539494.711	677808.719
528	1" IRON PIPE	538609.508	679480.034
529	1" IRON PIPE	538594.979	679547.319
530	1" IRON PIPE	538579.005	679543.799
531	SURVEY MARKER NAIL	538565.446	679607.299
532	1" IRON PIPE	538537.651	679736.432
535	3/4" REBAR	538946.958	678671.989

FOUND SURVEY MARKER NAIL
Y= 537785.125
X= 677340.312

FOUND 1-1/4" IRON PIPE
Y= 537836.688
X= 679995.562

COUNTY COORDINATE
Y= 543110.563
X= 679989.062

PLE AREAS PER PROJECT 6350-07-21 (PARCELS 37 & 38)

STA 271+19.89 MAIN ST. = STA 40+00.00 FEUHRER AVE.
Y=538,441.105
X=680,027.851

PISTA 260+97.25 MAIN ST. = STA 30+00.00 MARSHFIELD ST.
Y=538,712.792
X=679,045.828

STA 249+05.60 MAIN ST. = STA 10+00.00 C.T.H. M
Y=539,082.412
X=677,930.046

STA 255+23.97 MAIN ST. = STA 20+00.00 EZ AVE.
Y=538,960.313
X=678,528.743

PI 21+18.86
Y=539,067.775
X=678,580.852

TLE - SLOPES 1,465 S.F.

TLE - SLOPES 12,095 S.F.

HE - UNDERPASS 74,378 S.F.

PLE - STORM SEWER 39,185 S.F.

TLE - SLOPES 2,395 S.F.

LOCATION SKETCH
NOT TO SCALE
R 4 E
PROJECT LOCATION
SHEET LOCATION

SCALE, FEET
0 100 200

GN

VILLAGE OF AUBURNDALE

NW-SW SEC 22-25-4E

NE-SW SEC 22-25-4E

SW-SW SEC 22-25-4E

SE-SW SEC 22-25-4E

ROSEVILLE AVE.
SECTION LINE
66' R/W
1/16 LINE
CENTERLINE OF EXISTING VINE STREET
C.T.H. M
IST ST.
MAIN ST.
EZ AVE.
KENNEDY ST.
VAN ST.
83' R/W
MARSHFIELD ST.
ROAD TO BE CLOSED
FUEHRER AVE.
1/4 LINE
WISCONSIN CENTRAL LTD.
RESTRICTED ACCESS DIVISION JOB NO. 4641
RESTRICTED ACCESS DIVISION JOB NO. 4641 VOL. 389, PG. 497
RESTRICTED ACCESS PROJECT 6350-07-21 VOL. 662, PG. 685
CSM 4556 LOT 1 V.16, P.56
CSM 4556 LOT 2 V.16, P.56
CSM 5434 LOT 1 V.19, P.32
CSM 5434 LOT 2 V.19, P.32
CSM 4817 OUTLOT 1 V.17, P.17
CSM 9002 LOT 1 V.31, P.102
CSM 8841 LOT 1 V.30, P.141
CSM 9498 LOT 1 V.33, P.198
CSM 9498 LOT 2 V.33, P.198
CSM 9498 LOT 3 V.33, P.198
R=N02°42'27"W
R=N26°00'05"E
R=S64°25'13"E
R=N26°09'47"E
R=N12°15'03"E
PC 261+84.00
PT 265+20.71
PT 254+95.43
PT 39+63.64
PC 39+12.45
STA. 242+75.25 SEE TPP NO. 6350-07-23
STA. 270+86.10 SEE TPP NO. 6350-07-23
AUBURNDALE
Auburndale
Yellowstone Rd
Maple Street
Mill Creek Dr
Bluebird Ln
Tower Dr
Wren Ln
Water Tower Rd
T 25 N

4

FILE NAME : P:\UZ\W\Witnc\111618\CAD\RW PROJECT 6350-07-27\040101 rp.dgn
APPRAISAL PLAT DATE : 4-7-2015
PLOT DATE : 10/8/2015
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

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 S.F. REQUIRED			PLE S.F.	TLE S.F.
			NEW	EXISTING	TOTAL		
10	WISCONSIN CENTRAL LTD.	PLE/TLE	-	-	-	1,284	38,111
12	MARVIN & KATHLEEN LATTIMER	FEE/TLE	1083	-	1083	-	108
13	AUBURNDALE SCHOOL	FEE/TLE	2067	-	2067	-	789
23	ROBERT A. FOSS	TLE	-	-	-	-	202
24	PURCHASER: BETTY ANN RONECK & SAMUEL ELMER SUDDUTH III VENDOR: CHARLES G. & DAWN ORGEL REEVES	TLE	-	-	-	-	58

TRANSPORTATION PROJECT PLAT NO: 6350-07-27-4.02

THAT PART OF LOT 1 CSM NO. 9483, VOLUME 83, PAGE 133, LOCATED IN AND INCLUDING PART OF THE SW 1/4 OF THE SE 1/4, SECTION 22, ALL IN T25N, R4E, VILLAGE OF AUBURNDALE, WOOD COUNTY, WISCONSIN.

RELOCATION ORDER USH 10, MARSHFIELD - STEVENS POINT (CN RR TO CTH FF)

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 _____ COUNTY, WISCONSIN AT ____:____ M ON _____ AS DOCUMENT #_____ AND FILED IN _____

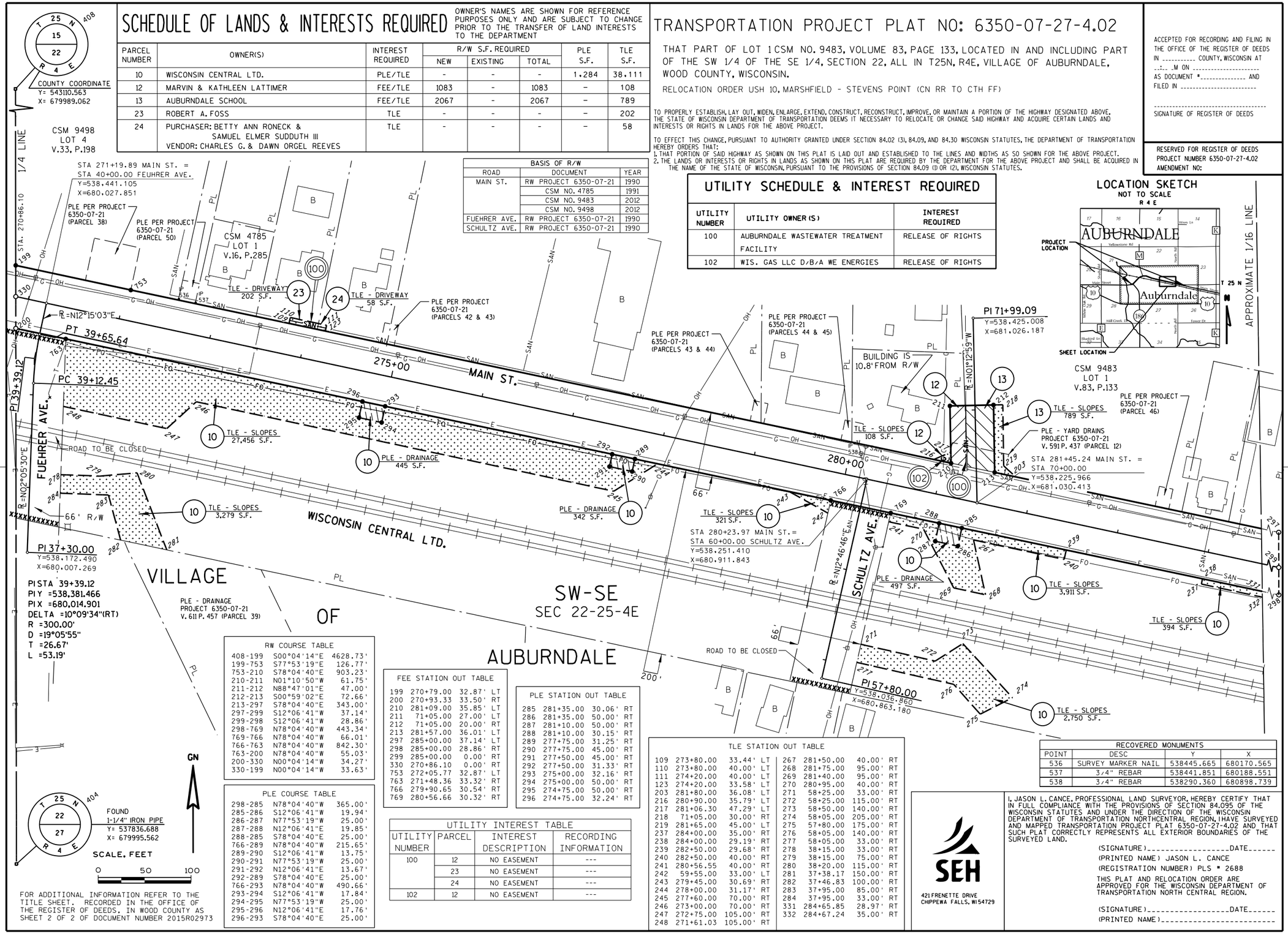
_____
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-27-4.02
AMENDMENT NO:

BASIS OF R/W		
ROAD	DOCUMENT	YEAR
MAIN ST.	RW PROJECT 6350-07-21	1990
	CSM NO. 4785	1991
	CSM NO. 9483	2012
	CSM NO. 9498	2012
FUEHRER AVE.	RW PROJECT 6350-07-21	1990
SCHULTZ AVE.	RW PROJECT 6350-07-21	1990

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	AUBURNDALE WASTEWATER TREATMENT FACILITY	RELEASE OF RIGHTS
102	WIS. GAS LLC D/B/A WE ENERGIES	RELEASE OF RIGHTS



RW COURSE TABLE		
408-199	S00°04'14"E	4628.73'
199-753	S77°53'19"E	126.77'
753-210	S78°04'40"E	903.23'
210-211	N01°10'50"W	61.75'
211-212	N88°47'01"E	47.00'
212-213	S00°59'02"E	72.66'
213-297	S78°04'40"E	343.00'
297-299	S12°06'41"W	37.14'
299-298	S12°06'41"W	28.86'
298-769	N78°04'40"W	443.34'
769-766	N78°04'40"W	66.01'
766-763	N78°04'40"W	842.30'
763-200	N78°04'40"W	55.03'
200-330	N00°04'14"W	34.27'
330-199	N00°04'14"W	33.63'

PLE COURSE TABLE		
298-285	N78°04'40"W	365.00'
285-286	S12°06'41"W	19.94'
286-287	N77°53'19"W	25.00'
287-288	N12°06'41"E	19.85'
288-285	S78°04'40"E	25.00'
766-289	N78°04'40"W	215.65'
289-290	S12°06'41"W	13.75'
290-291	N77°53'19"W	25.00'
291-292	N12°06'41"E	13.67'
292-289	S78°04'40"E	25.00'
766-293	N78°04'40"W	490.66'
293-294	S12°06'41"W	17.84'
294-295	N77°53'19"W	25.00'
295-296	N12°06'41"E	17.76'
296-293	S78°04'40"E	25.00'

FEE STATION OUT TABLE		
199	270+79.00	32.87' LT
200	270+93.33	33.50' RT
210	281+09.00	35.85' LT
211	71+05.00	27.00' LT
212	71+05.00	20.00' RT
213	281+57.00	36.01' LT
297	285+00.00	37.14' LT
298	285+00.00	28.86' RT
299	285+00.00	0.00' RT
330	270+86.10	0.00' RT
753	272+05.77	32.87' LT
763	271+48.36	33.32' RT
766	279+90.65	30.54' RT
769	280+56.66	30.32' RT

PLE STATION OUT TABLE		
285	281+35.00	30.06' RT
286	281+35.00	50.00' RT
287	281+10.00	50.00' RT
288	281+10.00	30.15' RT
289	277+75.00	31.25' RT
290	277+75.00	45.00' RT
291	277+50.00	45.00' RT
292	277+50.00	31.33' RT
293	275+00.00	32.16' RT
294	275+00.00	50.00' RT
295	274+75.00	50.00' RT
296	274+75.00	32.24' RT

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	12	NO EASEMENT	---
	23	NO EASEMENT	---
	24	NO EASEMENT	---
102	12	NO EASEMENT	---

TLE STATION OUT TABLE					
109	273+80.00	33.44' LT	267	281+50.00	40.00' RT
110	273+80.00	40.00' LT	268	281+75.00	95.00' RT
111	274+20.00	40.00' LT	269	281+40.00	95.00' RT
123	274+20.00	33.58' LT	270	280+95.00	40.00' RT
203	281+80.00	36.08' LT	271	58+25.00	33.00' RT
216	280+90.00	35.79' LT	272	58+25.00	115.00' RT
217	281+06.30	47.29' LT	273	58+50.00	140.00' RT
218	71+05.00	30.00' RT	274	58+05.00	205.00' RT
219	281+65.00	45.00' LT	275	57+80.00	175.00' RT
237	284+00.00	35.00' RT	276	58+05.00	140.00' RT
238	284+00.00	29.19' RT	277	58+05.00	33.00' RT
239	282+50.00	29.68' RT	278	38+15.00	33.00' RT
240	282+50.00	40.00' RT	279	38+15.00	75.00' RT
241	280+56.55	40.00' RT	280	38+20.00	115.00' RT
242	59+55.00	33.00' LT	281	37+38.17	150.00' RT
243	279+45.00	30.69' RT	282	37+46.83	100.00' RT
244	278+00.00	31.17' RT	283	37+95.00	85.00' RT
245	277+60.00	70.00' RT	284	37+95.00	33.00' RT
246	273+00.00	70.00' RT	331	284+65.85	28.97' RT
247	272+75.00	105.00' RT	332	284+67.24	35.00' RT
248	271+61.03	105.00' RT			

RECOVERED MONUMENTS			
POINT	DESC	Y	X
536	SURVEY MARKER NAIL	538445.665	680170.565
537	3/4" REBAR	538441.851	680188.551
538	3/4" REBAR	538290.360	680898.739

SEH
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 NORTHCENTRAL REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6350-07-27-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE)_____DATE_____
(PRINTED NAME) JASON L. CANCE
(REGISTRATION NUMBER) PLS # 2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION.

(SIGNATURE)_____DATE_____
(PRINTED NAME)_____

FILE NAME : P:\UZ\W\Witnc\111618\CAD\RW PROJECT 6350-07-27\040102 rp.dgn
APPRAISAL PLAT DATE : 2-9-2015
PLOT DATE : 10/8/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

TRANSPORTATION PROJECT PLAT NO: 6350-07-27-4.03

THAT PART OF LOT 1 CSM NO. 4790, VOLUME 16, PAGE 290, LOCATED IN AND INCLUDING THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22, ALSO PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 27, ALL IN T25N, R4E, VILLAGE OF AUBURNDALE, WOOD COUNTY, WISCONSIN.

RELOCATION ORDER USH 10, MARSHFIELD - STEVENS POINT (CN RR TO CTH FF)

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 _____ COUNTY, WISCONSIN AT _:__ _M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-27-4.03
AMENDMENT NO:

SE-SE
SEC 22-25-4E

NE-NE
SEC 27-25-4E

PI 81+92.76
Y=538,288.831
X=681,657.958

PI 91+91.31
Y=538,223.587
X=681,959.966

PI 286+34.39
Y=538,123.346
X=681,508.632

PI 89+51.61
Y=537,989.279
X=681,909.344

PI 88+54.55
Y=537,894.056
X=681,890.585

PI 297+93.62
Y=537,883.866
X=682,642.862

PI 51+00.26
Y=538,007.607
X=682,689.418

PISTA 46+22.64
PIY =537,529.942
PIX =682,687.669
DELTA =2°03'27"(LT)
R =11,998.01'
D =0°28'39"
T =215.45'
L =430.85'

CSM 5238
LOT 1
V.18, P.138

CSM 4790
LOT 1
V.16, P.290

CSM 9385
LOT 1
V.33, P.85

CSM 8736
LOT 1
V.30, P.36

BRICKLE AVE.
GEORGE AVE.
MAIN ST.
NORTH RD.
WISCONSIN CENTRAL LTD.
APPROXIMATE 1/16 LINE
SECTION LINE
ROAD TO BE CLOSED

STA 287+46.06 MAIN ST. =
STA 80+00.00 BRICKLE AVE.
Y=538,100.274
X=681,617.906

STA 290+54.34 MAIN ST. =
STA 90+00.00 GEORGE AVE.
Y=538,036.608
X=681,919.557

STA 298+40.75 MAIN ST. =
STA 49+66.51 NORTH ROAD
Y=537,873.887
X=682,688.909

TLE - SLOPES
5,338 S.F.

TLE - SLOPES
31 S.F.

TLE - SLOPES
272 S.F.

TLE - SLOPES
64 S.F.

TLE - SLOPES
831 S.F.

TLE - SLOPES
39 S.F.

PLE - DRAINAGE
1,239 S.F.

TLE - SLOPES
44,448 S.F.

HE - CURB & GUTTER
1,409 S.F.

RUINS

49.5' R/W
66' R/W
95' R/W

R/W TO BE ACQUIRED PER DOT PROJECT 6350-06-28-4.29

CONVEYANCE OF RIGHTS FROM CENTRAL STATE TELEPHONE CO. TO WISCONSIN DOT DOC. # 2011R01469

CAST IRON MON.
Y= 540502.938
X= 682696.125

FOUND
CHISELED 'X'
STA. 298+42.36
8.79'RT
Y= 537864.938
X= 682688.625

FOUND
HARRISON MON.
Y= 535226.938
X= 682688.625

FOUND
1-1/4" IRON PIPE
Y= 537836.688
X= 679995.562

PT 48+38.04

183.5'

200'

FEE STATION OUT TABLE

214	297+94.77	37.59' LT
215	298+03.35	54.02' LT
361	284+00.00	29.19' RT
362	284+00.00	0.00'
363	284+00.00	36.81' LT
770	287+13.12	37.59' LT
773	287+79.12	37.59' LT
774	290+29.23	37.59' LT
777	290+79.23	37.59' LT
778	290+22.77	28.41' RT
781	290+82.80	28.41' RT
782	294+59.49	28.41' RT
783	294+59.49	44.91' RT
784	298+16.40	44.79' RT
812	298+27.80	59.24' LT
813	298+54.57	65.07' RT

RECOVERED MONUMENTS

POINT	DESC	Y	X
544	CHISELED X	538127.631	681657.885
546	CHISELED X	538107.703	681751.901
547	PK NAIL	538220.045	681984.734
548	PK NAIL	538207.510	682048.595
550	3/4" REBAR	537805.991	681906.133
551	3/4" REBAR	537818.435	681846.734
553	1" IRON PIPE	538012.682	682214.748
554	1" IRON PIPE	537985.841	682341.436
555	SURVEY MARKER NAIL	537939.572	682560.963
557	3/4" REBAR	538046.163	682664.252
558	3/4" REBAR	538070.960	682664.246

BASIS OF R/W

ROAD	DOCUMENT	YEAR
MAIN ST.	RW PROJECT 6350-07-21	1990
	CSM NO. 8736	2007
	CSM NO. 9385	2011
	CSM NO. 4790	1991
	CSM NO. 5238	1993
GEORGE AVE.	RW PROJECT 6350-07-21	1990
	CSM NO. 4790	1991
NORTH RD.	RW PROJECT 6350-07-21	1990
	CSM NO. 8736	2007
	TPP 6350-06-28-4.29	2010

RW COURSE TABLE

405-813	S00°00'00"E	36.64'
813-784	N78°04'40"W	33.73'
784-783	N78°04'40"W	356.66'
783-782	N11°55'20"E	16.50'
782-781	N78°04'40"W	376.69'
781-778	N78°04'40"W	60.03'
778-361	N78°04'40"W	622.86'
361-362	N12°06'41"E	29.19'
362-363	N12°06'41"E	36.81'
363-770	S78°04'40"E	312.99'
770-773	S78°04'40"E	66.00'
773-774	S78°04'40"E	250.12'
774-777	S78°04'40"E	50.00'
777-214	S78°04'40"E	715.75'
214-215	N39°48'01"E	18.53'
215-812	S89°47'22"E	25.00'
812-250	S00°09'46"W	60.58'
250-405	S00°09'46"W	8.99'

HE COURSE TABLE

784-427	S00°00'00"W	27.80'
427-428	N75°56'59"W	56.93'
428-429	N11°55'20"E	25.09'
429-784	S78°04'40"E	51.15'

PLE STATION OUT TABLE

347	292+30.00	28.41' RT
348	292+30.00	55.00' RT
349	292+00.00	55.00' RT
350	291+66.77	28.41' RT

TLE STATION OUT TABLE

124	89+35.00	29.52' RT
125	89+35.00	30.48' LT
126	288+50.00	40.00' RT
220	287+05.24	37.59' LT
221	287+13.13	45.38' LT
222	290+05.00	37.59' LT
223	90+60.00	25.28' LT
224	90+60.00	24.72' RT
225	290+85.00	37.59' LT
226	297+99.80	47.22' LT
227	50+43.30	25.34' LT
228	47+00.00	50.62' LT
229	47+00.00	65.00' LT
233	291+75.00	35.00' RT
234	291+00.00	35.00' RT
235	289+95.00	35.00' RT
236	286+34.39	35.00' RT
331	284+65.85	28.97' RT
332	284+67.24	35.00' RT
333	47+46.57	65.00' LT
334	295+25.00	228.41' RT
335	295+25.00	330.00' RT
336	294+75.00	330.00' RT
337	294+75.00	155.00' RT
338	295+25.00	155.00' RT
339	295+25.00	208.41' RT
340	47+67.08	65.00' LT
341	297+90.00	90.00' RT
342	295+25.01	80.00' RT
343	295+25.00	105.00' RT
344	294+75.00	105.00' RT
345	294+75.00	75.00' RT
346	292+99.50	75.00' RT

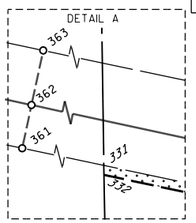
HE STATION OUT TABLE

427	49+00.00	33.06' LT
428	297+65.00	70.00' RT
429	297+65.00	44.92' RT

RW COURSE TABLE

782-347	N78°04'40"W	229.49'
347-348	S11°55'20"W	26.59'
348-349	N78°04'40"W	30.00'
349-350	N39°25'05"W	42.56'
350-347	S78°04'40"E	63.23'

DETAIL A

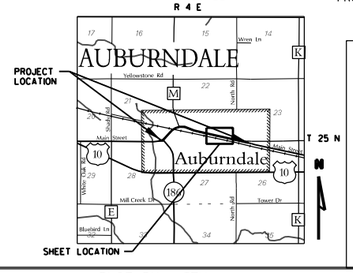


FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET. RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN WOOD COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 2015R02973

SCALE, FEET
0 50 100

GN

LOCATION SKETCH
NOT TO SCALE
R 4 E



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 S.F. REQUIRED			HE S.F.	PLE S.F.	TLE S.F.
			NEW	EXISTING	TOTAL			
10	WISCONSIN CENTRAL LTD.	HE/PLE/TLE	-	-	-	1,409	1,239	50,617
14	BRIAN & SUSAN CHRISTENSEN	TLE	-	-	-	-	-	31
15	HOMB ENTERPRISES LLC.	TLE	-	-	-	-	-	272
16	PIONEER BANK	TLE	-	-	-	-	-	64
17	TIM KLOSKOWSKI	FEE/TLE	99	-	99	-	-	39

SEH
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 NORTH CENTRAL REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6350-07-27-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE)_____DATE_____
(PRINTED NAME) JASON L. CANCE
(REGISTRATION NUMBER) PLS # 2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION.

(SIGNATURE)_____DATE_____
(PRINTED NAME)_____

FILE NAME : P:\UZ\W\Witnc\111618\CAD\RW PROJECT 6350-07-27\040103 rp.dgn
APPRAISAL PLAT DATE : 2-9-2015
PLOT DATE : 10/8/2015
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

TRANSPORTATION PROJECT PLAT NO: 6350-07-27 - 4.04

THAT PART OF LOTS 1 AND 2 OF BLOCK 2 CLARKE'S ADDITION, PART OF LOTS 6-8 BLOCK 3 CLARKE'S ADDITION, AND PART OF LOT 1 CSM NO. 1099, VOLUME 4, PAGE 199, LOCATED IN AND INCLUDING PART OF THE SW 1/4 OF THE SW 1/4 OF SECTION 23; PART OF THE NW 1/4 OF THE NW 1/4 OF SECTION 26; ALL IN TOWN 25 NORTH, RANGE 4 EAST, VILLAGE OF AUBURNDALE, WOOD COUNTY, WISCONSIN.

RELOCATION ORDER USH 10, MARSHFIELD - STEVENS POINT (CN RR TO CTH FF)

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 _____ COUNTY, WISCONSIN AT _:_ _M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-27-4.04
AMENDMENT NO:

SW-SW
SEC 23-25-4E

NW-NW
SEC 26-25-4E

VILLAGE OF AUBURNDALE

CAST IRON MON.
Y= 540502.938
X= 682696.125

FOUND CHISELED 'X'
STA. 298+42.36
8.79' RT
Y= 537864.938
X= 682688.625

FOUND HARRISON MON.
Y= 535226.938
X= 682688.625

FOUND SURVEY NAIL
Y= 537911.649
X= 685316.879

CLARK ST.
NORTH RD.
BLOCK 2 CLARKE'S ADDITION
BLOCK 3 CLARKE'S ADDITION
DRAKE CT.
LEO AVE.
MAIN ST.
C.T.H. F
WISCONSIN CENTRAL LTD.
CSM 4532 LOT 1 V.16, P.32
CSM 1099 LOT 1 V.4, P.199
CSM 5905 V.20, P.205
CSM 1103 LOT 2 V.4, P.203
CSM 3441 LOT 1 V.12, P.141
CSM 7421 LOT 3 V.25, P.221

PI 51+00.26
Y=538,007.607
X=682,689.418

PI 46+22.64

PC 44+07.19

PT 48+38.04

PI 14+37.57
Y=537,879.901
X=683,586.116

PI 310+00.00
Y=537,628.049
X=683,821.805

END CONSTRUCTION STATION 309+50

PISTA 11+24.56
PIY =537,874.857
PIX =683,254.355
DELTA =62°53'09"(RT)
R =150.00'
D =38°11'50"
T =91.71'
L =164.63'

PISTA 46+22.64
PIY =537,529.942
PIX =682,687.669
DELTA =2°03'27"(LT)
R =11,998.01'
D =0°28'39"
T =215.45'
L =430.85'

STA 298+40.75 MAIN ST. =
STA 49+66.51 NORTH ROAD
Y=537,873.887
X=682,688.909

STA 303+62.95 MAIN ST. =
STA 10+00.00 C.T.H. F
Y=537,763.131
X=683,199.275

TLE - SLOPES 314 S.F.
TLE - SLOPES 177 S.F.
TLE - SLOPES 629 S.F.
TLE - SLOPES 5,948 S.F.

BUILDING CORNER IS 4' FROM PROPOSED RW

R/W TO BE ACQUIRED PER DOT PROJECT 6350-06-28-4.29

VARIES

RECOVERED MONUMENTS			
POINT	DESC	Y	X
323	1" WITH CAP	537911.291	683475.537
325	2" IRON PIPE	537920.556	684002.932
326	1" IRON PIPE	537851.383	683824.566
327	3/4" REBAR	537847.873	683619.271
559	1/2" REBAR	537912.124	682714.204
560	1/2" REBAR	537899.265	682764.003
561	3/4" REBAR	537631.483	682732.528
565	3/4" REBAR	537651.419	682637.646
566	3/4" REBAR	537854.539	683968.301
569	1 1/4" IRON PIPE	537845.240	683480.452
570	1 1/4" IRON PIPE	537758.515	683457.976

BASIS OF R/W		
ROAD	DOCUMENT	YEAR
MAIN ST.	RW PROJECT 6350-07-21	1990
	CSM NO. 8736	2007
	CSM NO. 9385	2011
	CSM NO. 4790	1991
	CSM NO. 5238	1993
	CSM NO. 9483	2012
	CSM NO. 9498	2012
FUEHRER AVE.	RW PROJECT 6350-07-21	1990
SCHULTZ AVE.	RW PROJECT 6350-07-21	1990
BRICKLE AVE.	RW PROJECT 6350-07-21	1990
	CSM NO. 5238	1993
GEORGE AVE.	RW PROJECT 6350-07-21	1990
	CSM NO. 4790	1991
NORTH RD.	RW PROJECT 6350-07-21	1990
	CSM NO. 8736	2007
	TPP 6350-06-28-4.29	2010

RW COURSE TABLE		
405-250	N00°09'46"E	8.99'
250-812	N00°09'46"E	60.58'
812-251	S89°47'25"E	24.50'
251-792	S34°50'21"E	43.37'
792-793	N88°58'55"E	326.01'
793-796	N88°58'55"E	50.01'
796-797	N88°58'55"E	303.31'
797-814	S00°52'32"E	32.97'
814-815	S00°52'32"E	0.58'
815-253	S00°52'32"E	32.45'
253-801	S88°58'55"W	43.55'
801-802	S01°01'05"E	67.49'
802-254	S77°45'26"E	67.20'
254-816	S12°14'34"W	50.68'
816-255	S12°14'34"W	73.91'
255-787	N78°04'40"W	708.90'
787-256	N78°04'40"W	33.73'
256-405	N00°00'00"W	70.88'

TLE STATION OUT TABLE			
127	300+15.00	77.18'	RT
257	50+50.00	24.15'	RT
258	298+77.94	40.00'	LT
259	299+08.00	40.58'	LT
260	91+20.00	60.58'	LT
261	92+00.00	40.00'	LT
262	92+69.45	40.00'	LT
263	299+30.00	100.00'	RT
264	47+20.80	65.00'	RT

FEE STATION OUT TABLE			
251	50+27.16	24.17'	RT
253	92+69.26	32.44'	RT
254	306+00.00	50.68'	LT
255	306+00.00	73.91'	RT
405	298+42.36	8.79'	RT
792	298+83.52	34.81'	LT
793	302+00.84	109.59'	LT
787	298+91.11	77.87'	RT
796	302+49.51	121.06'	LT
797	92+69.26	33.56'	LT
801	92+25.71	32.56'	RT
802	305+32.80	50.68'	LT

LOCATION SKETCH
NOT TO SCALE
R 4 E
T 25 N

PROJECT LOCATION
SHEET LOCATION

GN

SCALE, FEET
0 50 100

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
101	WISCONSIN POWER & LIGHT COMPANY, A WISCONSIN CORPORATION	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
101	19	NO EASEMENT	---

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET. RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN WOOD COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 2015R02973

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 S.F. REQUIRED			TLE S.F.
			NEW	EXISTING	TOTAL	
10	WISCONSIN CENTRAL LTD.	TLE	-	-	-	5,948
19	ROBERT J. BAUER	FEE/TLE	410	-	410	314
20	PATRICK G. WOLFE & JANA L. WOLFE	TLE	-	-	-	177
21	GARY G. WOLFE & PAULETTE S. WOLFE	TLE	-	-	-	629

SEH
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 NORTH CENTRAL REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6350-07-27-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE)_____DATE_____
(PRINTED NAME) JASON L. CANCE
(REGISTRATION NUMBER) PLS * 2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION.

(SIGNATURE)_____DATE_____
(PRINTED NAME)_____

FILE NAME : P:\UZ\W\Witnc\111618\CAD\RW PROJECT 6350-07-27\040104 rp.dgn
APPRAISAL PLAT DATE : 2-9-2015
PLOT DATE : 10/8/2015
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

TRANSPORTATION PROJECT PLAT NO: 6350-07-25 - 4.01

THAT PART OF THE NW 1/4 - NW 1/4, THE NE 1/4 - NW 1/4, THE SW 1/4 - NW 1/4, AND THE SE 1/4 - NW 1/4 IN SECTION 27, T25N, R4E, VILLAGE OF AUBURNDALE, WOOD COUNTY, WISCONSIN.

RELOCATION ORDER USH 10 FRONTAGE ROAD, CTH P - NORTH ROAD

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.

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⌀ (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	● ●(SET)	PROPERTY LINE	
R/W STANDARD	▲ ▲(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT	●	CORPORATE LIMITS	
SECTION CORNER SYMBOL	1/4	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		ACCESS RESTRICTED (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWBP2	QUARTER LINE	
PARCEL NUMBER	102	SIXTEENTH LINE	
UTILITY INTEREST	40	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

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

CONVENTIONAL ABBREVIATIONS

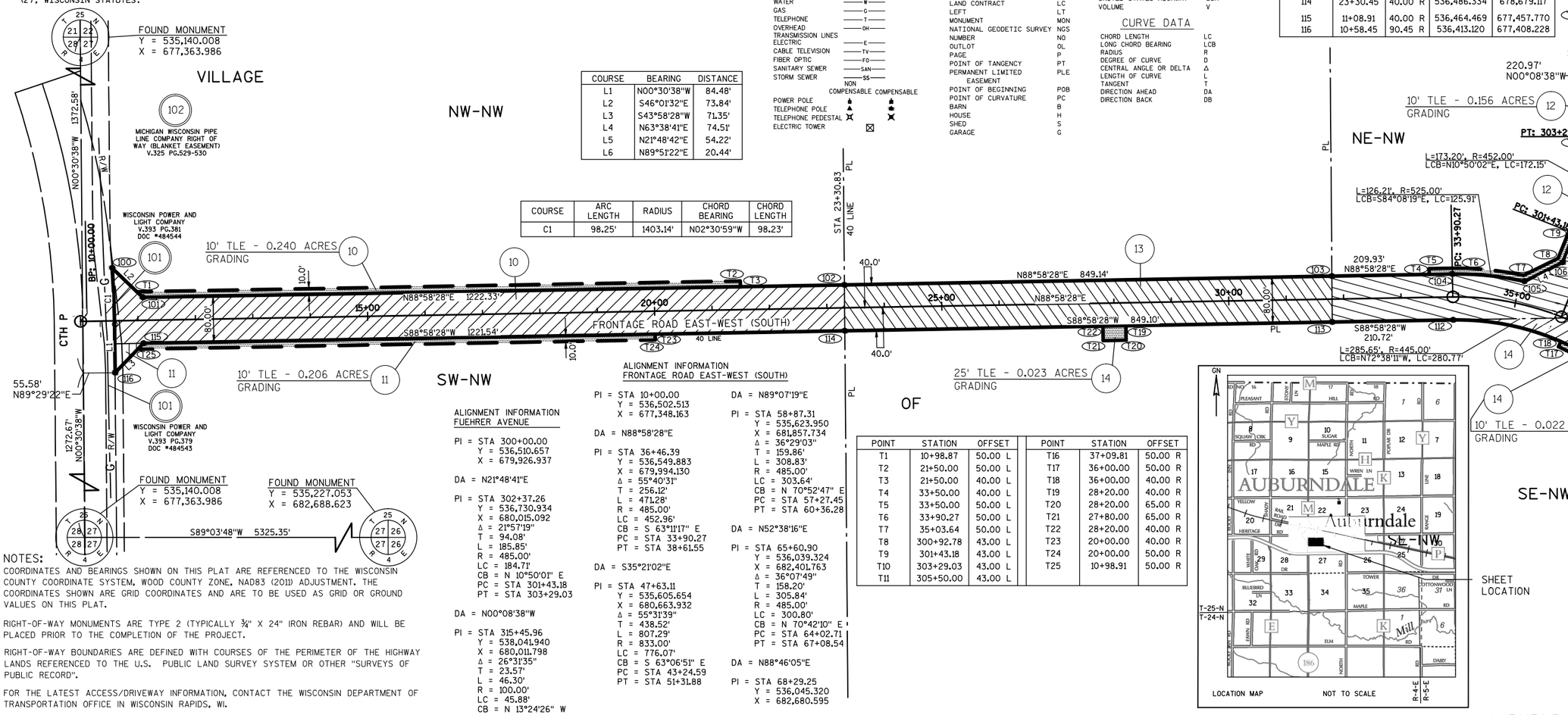
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC 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		
BARN	B		
HOUSE	H		
SHED	S		
GARAGE	G		

CURVE DATA

CHORD LENGTH	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

R/W POINT	STATION	OFFSET	Y	X
100	10+56.66	92.22 L	536,595.728	677,403.163
101	11+08.87	40.00 L	536,544.456	677,456.304
102	23+31.21	40.00 L	536,566.335	678,678.440
103	31+80.35	40.00 L	536,581.535	679,527.445
104	33+90.27	40.00 L	536,585.292	679,737.337
105	35+06.87	40.00 L	536,572.434	679,862.588
106	300+88.96	33.00 L	536,605.511	679,929.353
107	301+43.18	33.00 L	536,655.852	679,949.499
108	303+29.03	33.00 L	536,824.928	679,981.856
109	305+50.00	33.00 L	537,045.896	679,981.300
110	305+50.00	12.56 L	537,045.947	680,001.737
111	37+01.60	40.00 R	536,421.515	680,006.743
112	33+90.27	40.00 R	536,505.305	679,738.769
113	31+79.56	40.00 R	536,501.533	679,528.086
114	23+30.45	40.00 R	536,486.334	678,679.117
115	11+08.91	40.00 R	536,464.469	677,457.770
116	10+58.45	90.45 R	536,413.120	677,408.228

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-25 - 4.01



COURSE	BEARING	DISTANCE
L1	N00°30'38"W	84.48'
L2	S46°01'32"E	73.84'
L3	S43°58'28"W	71.35'
L4	N63°38'41"E	74.51'
L5	N21°48'42"E	54.22'
L6	N89°51'22"E	20.44'

COURSE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	98.25'	1403.14'	NO2°30'59"W	98.23'

ALIGNMENT INFORMATION
FRONTAGE ROAD EAST-WEST (SOUTH)

PI = STA 10+00.00
Y = 536,502.513
X = 677,348.163

DA = N88°58'28"E

PI = STA 36+46.39
Y = 536,549.883
X = 679,994.130
Δ = 55°40'31"
T = 256.12'
L = 471.28'
R = 485.00'
LC = 452.96'
CB = S 63°11'17" E
PC = STA 33+90.27
PT = STA 38+61.55

DA = S35°21'02"E

PI = STA 47+63.11
Y = 535,605.654
X = 680,663.932
Δ = 55°31'39"
T = 438.52'
L = 807.29'
R = 833.00'
LC = 776.07'
CB = S 63°06'51" E
PC = STA 43+24.59
PT = STA 51+31.88

DA = N89°07'19"E

PI = STA 58+87.31
Y = 535,623.950
X = 681,857.734
Δ = 36°29'03"
T = 159.86'
L = 308.83'
R = 485.00'
LC = 303.64'
CB = N 70°52'47" E
PC = STA 57+27.45
PT = STA 60+36.28

DA = N52°38'16"E

PI = STA 65+60.90
Y = 536,039.324
X = 682,401.763
Δ = 36°07'49"
T = 158.20'
L = 305.84'
R = 485.00'
LC = 300.80'
CB = N 70°42'10" E
PC = STA 64+02.71
PT = STA 67+08.54

DA = N88°46'05"E

PI = STA 68+29.25
Y = 536,045.320
X = 682,680.595

ALIGNMENT INFORMATION
FUEHRER AVENUE

PI = STA 300+00.00
Y = 536,510.657
X = 679,926.937

DA = N21°48'41"E

PI = STA 302+37.26
Y = 536,730.934
X = 680,015.092
Δ = 21°57'19"
T = 94.08'
L = 185.85'
R = 485.00'
LC = 184.71'
CB = N 10°50'01" E
PC = STA 301+43.18
PT = STA 303+29.03

DA = N00°08'38"W

PI = STA 315+45.96
Y = 538,041.940
X = 680,011.798
Δ = 26°31'35"
T = 23.57'
L = 46.30'
R = 100.00'
LC = 45.88'
CB = N 13°24'26" W
PC = STA 315+22.39
PT = STA 315+68.69

DA = N26°40'13"W

PI = STA 318+00.00
Y = 538,269.702
X = 679,897.394

POINT	STATION	OFFSET
T1	10+98.87	50.00 L
T2	21+50.00	50.00 L
T3	21+50.00	40.00 L
T4	33+50.00	40.00 L
T5	33+50.00	50.00 L
T6	33+90.27	50.00 L
T7	35+03.64	50.00 L
T8	300+92.78	43.00 L
T9	301+43.18	43.00 L
T10	303+29.03	43.00 L
T11	305+50.00	43.00 L
T16	37+09.81	50.00 R
T17	36+00.00	50.00 R
T18	36+00.00	40.00 R
T19	28+20.00	40.00 R
T20	28+20.00	65.00 R
T21	27+80.00	65.00 R
T22	28+20.00	40.00 R
T23	20+00.00	40.00 R
T24	20+00.00	50.00 R
T25	10+98.91	50.00 R

UTILITY NUMBER	UTILITY SCHEDULE & INTEREST	PARCEL(S) AFFECTED	INTEREST REQUIRED
101	WISCONSIN POWER AND LIGHT COMPANY D/B/A ALLIANT ENERGY V.393 PG.381 - DOC.#484544 V.393 PG.379 - DOC.#484543	10, 11	RELEASE OF RIGHTS
102	MICHIGAN WISCONSIN PIPE LINE COMPANY D/B/A/ ANR PIPELINE V.325 PGS.529-530	10	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	TLE ACRES
10	GORDON G. KIEFFER, A/K/A GORDON KIEFFER AND ANGELINE R. KIEFFER, A/K/A ANGELINE KIEFFER, AS TENANTS IN COMMON	FEE/TLE	2.365	--	2.365	0.240
11	KENNETH J. AND FRANCES E. BRANDL LIVING TRUST DATED JUNE 22, 2007	FEE/TLE	0.029	--	0.029	0.206
12	MICHAEL LIEBLE AND THERESA LIEBLE, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	FEE/TLE	1.203	--	1.203	0.156
13	GORDON KIEFFER AND ANGELINE KIEFFER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	FEE	1.559	--	1.559	--
14	VOBORA FARMS LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	0.174	--	0.174	0.045

MSA PROFESSIONAL SERVICES

I, KEVIN C. LORD 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: _____
PRINT NAME: KEVIN C. LORD
REGISTRATION NUMBER: S-2645

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION - WISCONSIN RAPIDS OFFICE

SIGNATURE: _____ DATE:

PRINT NAME:

189

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WOOD COUNTY ZONE, NAD83 (2011) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" X 24" IRON REBAR) 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".

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS, WI.

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 USH 10, CTH P (FORMER STH 186, AND NORTH ROAD ESTABLISHED FROM PREVIOUS PROJECT 6350-06-28. EXISTING ACCESS CONTROL ALONG USH 10, CTH P (FORMER STH 186, AND NORTH ROAD ESTABLISHED FROM PREVIOUS PROJECT 6350-06-28.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION 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 AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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

APPRAISAL DATE: 12-18-14

PLOT DATE : 2/23/2015 7:00 AM PLOT BY : KEVIN LORD

TRANSPORTATION PROJECT PLAT NO: 6350-07-25 - 4.02

THAT PART OF THE SW 1/4 - NE 1/4 AND THE SE 1/4 - NE 1/4 OF SECTION 27, T25N, R4E, VILLAGE OF AUBURNDALE, WOOD COUNTY, WISCONSIN.

RELOCATION ORDER USH 10 FRONTAGE ROAD, CTH P - NORTH ROAD

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.

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			TLE ACRES
			NEW	EXISTING	TOTAL	
14	VOBORA FARMS LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	4.615	--	4.615	0.676
15	SHIRLEY HAESSLY VAN DEHEY	FEE/TLE	2.816	--	2.816	0.352

POINT	DESC	Y	X
1017	3/4" IRON BAR	536,531.371	681,600.604
1018	3/4" IRON BAR	536,527.637	681,346.936
1011	3/4" IRON PIPE	536,510.648	680,048.645
1022	IRON PIPE	535,657.645	682,638.439
1023	IRON PIPE	535,575.688	682,628.684
1024	IRON PIPE	535,582.869	681,787.541
1025	IRON PIPE	535,562.873	681,787.898
1026	IRON PIPE	535,534.136	680,888.149
1027	IRON PIPE	535,569.076	680,887.549

CURVE DATA

CHORD LENGTH	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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	(IF UNLESS NOTED)	PROPOSED R/W LINE	
R/W MONUMENT	●(SET)	EXISTING H.E. LINE	
R/W STANDARD	▲(SET)	PROPERTY LINE	
SIGN	ISIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT		SLOPE INTERCEPTS	
SECTION CORNER SYMBOL		CORPORATE LIMITS	
FEE (HATCH VARIES)		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
TEMPORARY LIMITED EASEMENT		ACCESS RESTRICTED (BY ACQUISITION)	
PERMANENT LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
R/W BOUNDARY POINT	RWB20	SECTION LINE	
PARCEL NUMBER	101	QUARTER LINE	
UTILITY INTEREST	40	SIXTEENTH LINE	
SIGN NUMBER (OFF PREMISE)	21-1	EXISTING CENTERLINE	
BUILDING		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	

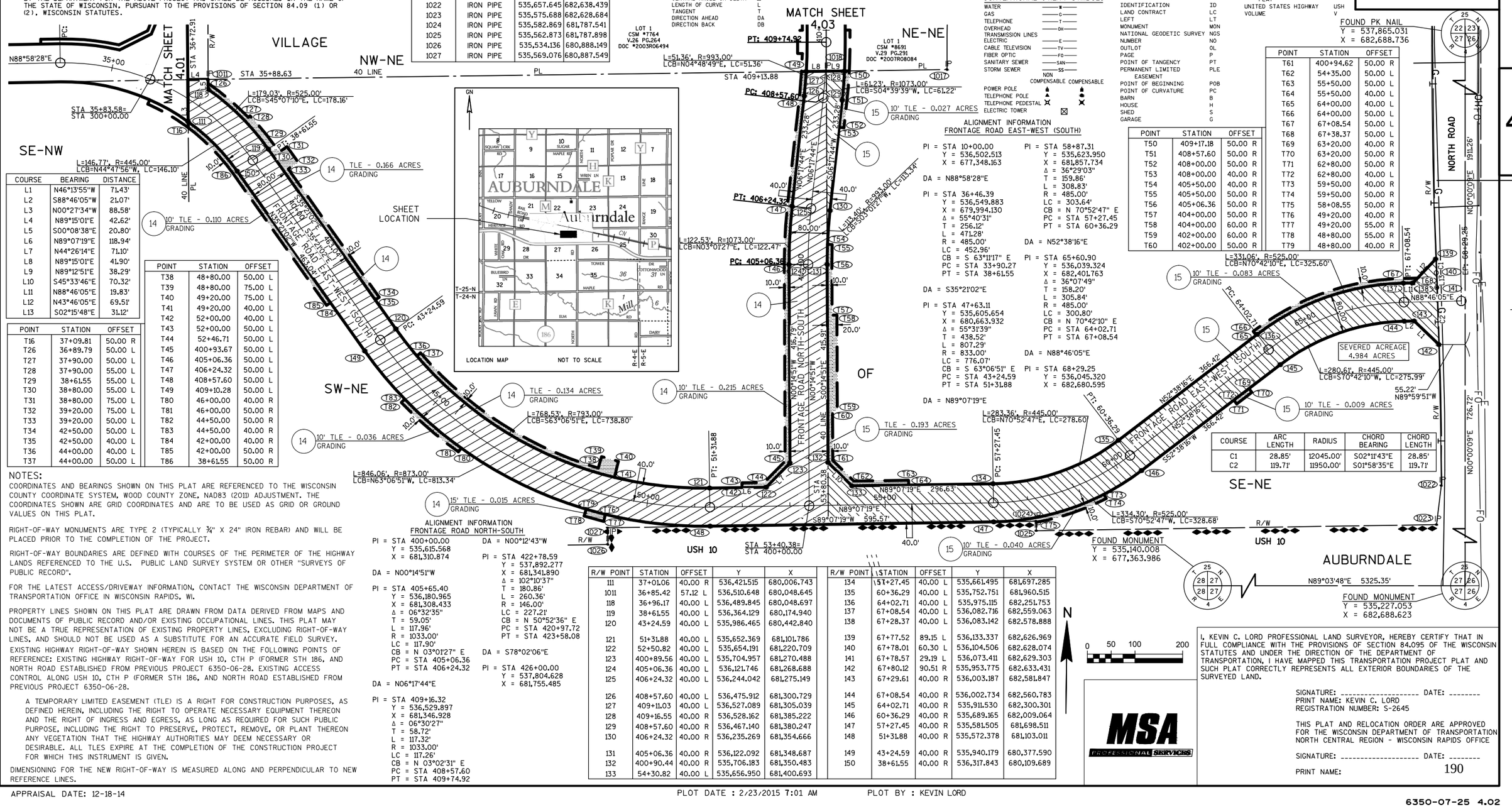
CONVENTIONAL UTILITY SYMBOLS

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

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	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	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		
BARN	B		
HOUSE	H		
SHED	S		
GARAGE	G		

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-25 - 4.02



COURSE	BEARING	DISTANCE
L1	N46°13'55"W	71.43'
L2	S88°46'05"W	21.07'
L3	N00°27'34"W	88.58'
L4	N89°15'01"E	42.62'
L5	S00°08'38"E	20.80'
L6	N89°07'19"E	118.94'
L7	N44°26'14"E	71.10'
L8	N89°15'01"E	41.90'
L9	N89°12'51"E	38.29'
L10	S45°33'46"E	70.32'
L11	N88°46'05"E	19.83'
L12	N43°46'05"E	69.51'
L13	S02°15'48"E	31.12'

POINT	STATION	OFFSET
T16	37+09.81	50.00 R
T26	36+89.79	50.00 L
T27	37+90.00	50.00 L
T28	37+90.00	55.00 L
T29	38+61.55	55.00 L
T30	38+80.00	55.00 L
T31	38+80.00	75.00 L
T32	39+20.00	75.00 L
T33	39+20.00	50.00 L
T34	42+50.00	50.00 L
T35	42+50.00	40.00 L
T36	44+00.00	40.00 L
T37	44+00.00	50.00 L

POINT	STATION	OFFSET
T38	48+80.00	50.00 L
T39	48+80.00	75.00 L
T40	49+20.00	75.00 L
T41	49+20.00	40.00 L
T42	52+00.00	40.00 L
T43	52+00.00	50.00 L
T44	52+46.71	50.00 L
T45	400+93.67	50.00 L
T46	405+06.36	50.00 L
T47	406+24.32	50.00 L
T48	408+57.60	50.00 L
T49	409+10.28	50.00 L
T80	46+00.00	40.00 R
T81	46+00.00	50.00 R
T82	44+50.00	50.00 R
T83	44+50.00	40.00 R
T84	42+00.00	40.00 R
T85	42+00.00	50.00 R
T86	38+61.55	50.00 R

POINT	STATION	OFFSET
T50	409+17.18	50.00 R
T51	408+57.60	50.00 R
T52	408+00.00	50.00 R
T53	408+00.00	40.00 R
T54	405+50.00	40.00 R
T55	405+50.00	50.00 R
T56	405+06.36	50.00 R
T57	404+00.00	50.00 R
T58	404+00.00	60.00 R
T59	402+00.00	60.00 R
T60	402+00.00	50.00 R

POINT	STATION	OFFSET
T61	400+94.62	50.00 R
T62	54+35.00	50.00 L
T63	55+50.00	50.00 L
T64	55+50.00	40.00 L
T65	64+00.00	40.00 L
T66	64+00.00	50.00 L
T67	67+08.54	50.00 L
T68	67+38.37	50.00 L
T69	63+20.00	40.00 R
T70	63+20.00	50.00 R
T71	62+80.00	50.00 R
T72	62+80.00	40.00 L
T73	59+50.00	40.00 R
T74	59+50.00	50.00 R
T75	58+08.55	50.00 R
T76	49+20.00	40.00 R
T77	49+20.00	55.00 R
T78	48+80.00	55.00 R
T79	48+80.00	40.00 R

COURSE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	28.85'	12045.00'	S02°11'43"E	28.85'
C2	119.71'	11950.00'	S01°58'35"E	119.71'

ALIGNMENT INFORMATION
FRONTAGE ROAD EAST-WEST (SOUTH)

PI = STA 10+00.00
Y = 536,502.513
X = 677,348.163

DA = N88°58'28"E

PI = STA 36+46.39
Y = 536,549.883
X = 679,994.130
Δ = 55°40'31"
T = 256.12'
L = 471.28'
R = 485.00'
LC = 452.96'
CB = S 63°11'17" E
PC = STA 33+90.27
PT = STA 38+61.55

DA = S35°21'02"E

PI = STA 47+63.11
Y = 535,605.654
X = 680,663.932
Δ = 55°31'39"
T = 438.52'
L = 807.29'
R = 833.00'
LC = 776.07'
CB = S 63°06'51" E
PC = STA 43+24.59
PT = STA 51+31.88

DA = N89°07'19"E

PI = STA 58+87.31
Y = 535,623.950
X = 681,857.734
Δ = 36°29'03"
T = 159.86'
L = 308.83'
R = 485.00'
LC = 303.64'
CB = N 70°52'47" E
PC = STA 57+27.45
PT = STA 60+36.29

DA = N52°38'16"E

PI = STA 65+60.90
Y = 536,039.324
X = 682,401.763
Δ = 36°07'49"
T = 158.20'
L = 305.84'
R = 485.00'
LC = 300.80'
CB = N 70°42'10" E
PC = STA 64+02.71
PT = STA 67+08.54

DA = N88°46'05"E

PI = STA 68+29.25
Y = 536,045.320
X = 682,680.595

ALIGNMENT INFORMATION
FRONTAGE ROAD NORTH-SOUTH

PI = STA 400+00.00
Y = 535,615.568
X = 681,310.874

DA = N00°14'51"W

PI = STA 405+65.40
Y = 536,180.965
X = 681,308.433
Δ = 06°32'35"
T = 59.05'
L = 117.96'
R = 1033.00'
LC = 117.90'
CB = N 03°01'27" E
PC = STA 405+06.36
PT = STA 406+24.32

DA = N06°17'44"E

PI = STA 409+16.32
Y = 536,529.897
X = 681,346.928
Δ = 06°30'27"
T = 58.72'
L = 117.32'
R = 1033.00'
LC = 117.26'
CB = N 03°02'31" E
PC = STA 408+57.60
PT = STA 409+74.92

DA = N00°12'43"W

PI = STA 422+78.59
Y = 537,892.277
X = 681,341.890
Δ = 102°10'37"
T = 180.86'
L = 260.36'
R = 146.00'
LC = 227.21'
CB = N 50°52'36" E
PC = STA 420+97.72
PT = STA 423+58.08

DA = S78°02'06"E

PI = STA 426+00.00
Y = 537,804.628
X = 681,755.485

R/W POINT	STATION	OFFSET	Y	X
111	37+01.06	40.00 R	536,421.515	680,006.743
1011	36+85.42	57.12 L	536,510.648	680,048.645
118	36+96.17	40.00 L	536,489.845	680,048.697
119	38+61.55	40.00 L	536,364.129	680,174.940
120	43+24.59	40.00 L	535,986.465	680,442.840
121	51+31.88	40.00 L	535,652.369	681,101.786
122	52+50.82	40.00 L	535,654.191	681,220.709
123	400+89.56	40.00 L	535,704.957	681,270.488
124	405+06.36	40.00 L	536,121.746	681,268.688
125	406+24.32	40.00 L	536,244.042	681,275.149
126	408+57.60	40.00 L	536,475.912	681,300.729
127	409+11.03	40.00 L	536,527.089	681,305.039
128	409+16.55	40.00 R	536,528.162	681,385.222
129	408+57.60	40.00 R	536,467.140	681,380.247
130	406+24.32	40.00 R	536,235.269	681,354.666
131	405+06.36	40.00 R	536,122.092	681,348.687
132	400+90.44	40.00 R	535,706.183	681,350.483
133	54+30.82	40.00 L	535,656.950	681,400.693

R/W POINT	STATION	OFFSET	Y	X
134	51+27.45	40.00 L	535,661.495	681,697.285
135	60+36.29	40.00 L	535,752.751	681,960.515
136	64+02.71	40.00 L	535,975.115	682,251.753
137	67+08.54	40.00 L	536,082.716	682,559.063
138	67+28.37	40.00 L	536,083.142	682,578.888
139	67+77.52	89.15 L	536,133.337	682,626.969
140	67+78.01	60.30 L	536,104.506	682,628.074
141	67+78.57	29.19 L	536,073.411	682,629.303
142	67+80.12	90.51 R	535,953.775	682,633.431
143	67+29.61	40.00 R	536,003.187	682,581.847
144	67+08.54	40.00 R	536,002.734	682,560.783
145	64+02.71	40.00 R	535,911.530	682,300.301
146	60+36.29	40.00 R	535,689.165	682,009.064
147	57+27.45	40.00 R	535,581.505	681,698.511
148	51+31.88	40.00 R	535,572.378	681,103.011
149	43+24.59	40.00 R	535,940.179	680,377.590
150	38+61.55	40.00 R	536,317.843	680,109.689

NOTES:

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

I, KEVIN C. LORD 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: _____
PRINT NAME: KEVIN C. LORD
REGISTRATION NUMBER: S-2645

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION - WISCONSIN RAPIDS OFFICE

SIGNATURE: _____ DATE: _____
PRINT NAME: 190

MSA PROFESSIONAL SERVICES

APPRAISAL DATE: 12-18-14

PLOT DATE : 2/23/2015 7:01 AM

PLOT BY : KEVIN LORD

6350-07-25 4.02

TRANSPORTATION PROJECT PLAT NO: 6350-07-25 - 4.03

THAT PART OF CSM'S 7764, 8691, AND 8980 LOCATED IN THE NW 1/4 - NE 1/4 AND THE NE 1/4 - NE 1/4 SECTION 27, T25N, R4E AND ALSO PART OF THE SE 1/4 - SE 1/4 AND THE SE 1/4 - SW 1/4 OF SECTION 22, T25N, R4E, ALL IN THE VILLAGE OF AUBURNDALE, WOOD COUNTY, WISCONSIN.

RELOCATION ORDER USH 10 FRONTAGE ROAD, CTH P - NORTH ROAD

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.

UTILITY NUMBER	UTILITY SCHEDULE & INTEREST	PARCEL(S) AFFECTED	INTEREST REQUIRED
103	CENTRAL STATE TELEPHONE COMPANY V.469 PG.612 - DOC.#544416	16	RELEASE OF RIGHTS

POINT	STATION	OFFSET
T118	313+50.00	16.91 L
T119	313+50.00	35.00 L
T120	315+28.85	34.86 L

POINT	DESC	Y	X
1008	3/4" IRON PIPE	538,200.975	680,044.399
1009	1" IRON PIPE	538,185.554	680,117.429
1012	3/4" IRON BAR	538,045.252	680,781.780
1013	3/4" IRON PIPE	537,898.372	680,750.895
1014	3/4" IRON BAR	537,886.760	680,805.576
1015	3/4" IRON BAR	537,848.190	681,025.789
1016	3/4" IRON BAR	537,925.435	681,341.684
1018	3/4" IRON BAR	536,527.637	681,346.936
5550	3/4" IRON BAR	537,805.991	681,906.133
5551	3/4" IRON BAR	537,818.646	681,846.956
5552	3/4" IRON BAR	537,231.978	681,720.402

R/W POINT	STATION	OFFSET	Y	X
127	409+11.03	40.00 L	536,527.089	681,305.039
151	409+74.92	40.00 L	536,588.474	681,306.711
152	419+67.78	40.00 L	537,581.327	681,303.040
153	206+10.61	40.00 R	537,631.907	681,252.858
154	202+35.99	40.00 R	537,636.257	680,878.264
155	201+38.64	99.84 L	537,777.216	680,782.542
156	201+52.14	167.99 L	537,845.205	680,796.838
157	202+19.72	169.48 L	537,845.914	680,864.430
158	202+02.28	81.50 L	537,758.139	680,845.974
159	202+35.99	40.00 L	537,716.252	680,879.193
160	206+16.38	40.00 L	537,711.835	681,259.563
161	421+38.61	33.00 L	537,760.791	681,316.350
162	421+87.80	33.00 L	537,814.974	681,342.176
163	421+87.80	40.00 R	537,772.959	681,401.874
164	420+97.72	40.00 R	537,711.560	681,382.559
165	409+74.92	40.00 R	536,588.769	681,386.710
128	409+16.55	40.00 R	536,528.162	681,385.222
166	314+83.40	16.73 L	537,979.336	679,995.227
167	315+73.17	62.93 L	538,038.763	679,942.969
168	317+18.02	43.70 R	538,216.055	679,973.241
169	317+04.16	61.03 R	538,211.454	679,994.950

COURSE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	54.12'	100.00'	S38°25'00"E	53.46'
C2	86.41'	60.00'	N41°19'38"W	79.14'
C3	289.89'	90.00'	N09°41'22"E	179.86'
C4	60.31'	179.00'	N25°29'07"E	60.02'
C5	65.40'	106.00'	S17°27'46"W	64.36'

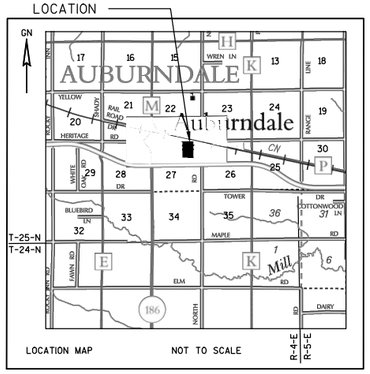
COURSE	BEARING	DISTANCE
L1	N89°23'59"E	67.60'
L2	S11°52'29"W	89.70'
L3	N49°14'06"E	74.98'
L4	S00°12'43"E	166.00'
L5	S89°12'51"W	38.29'
L6	S89°15'01"W	41.90'
L7	N44°46'24"W	71.25'
L8	S78°02'06"E	22.19'
L9	S54°51'46"E	73.00'

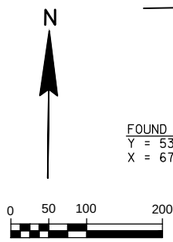
CONVENTIONAL UTILITY SYMBOLS

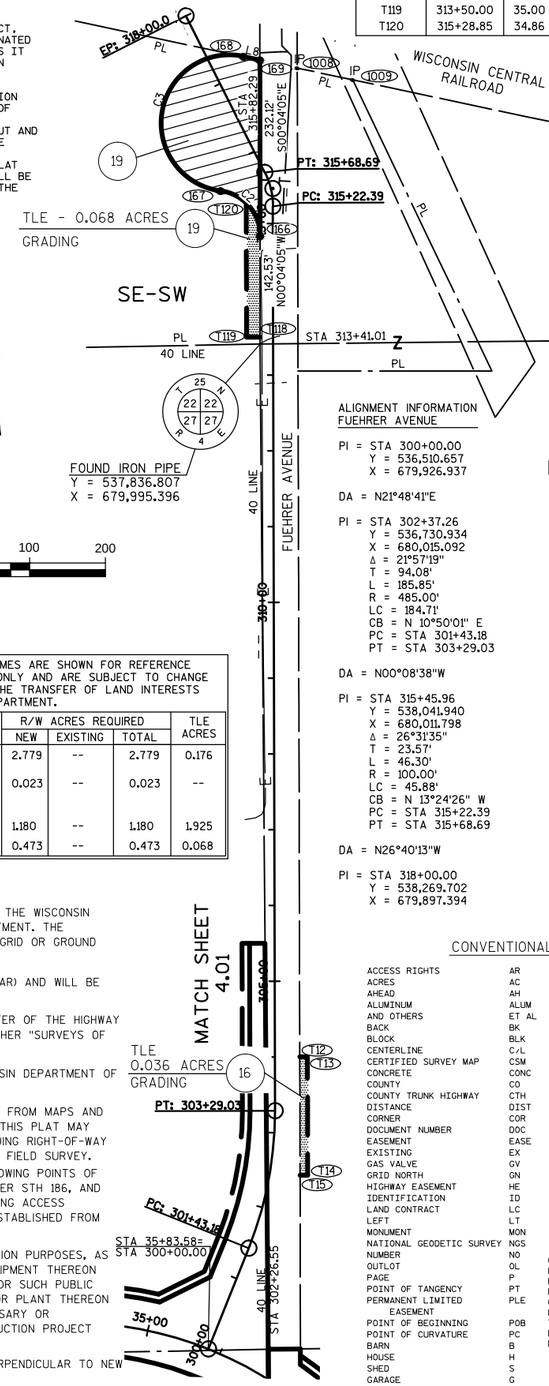
	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6350-07-25 - 4.03

SHEET LOCATION







POINT	STATION	OFFSET
T97	426+86.51	40.00 R
T98	424+52.58	40.00 R
T99	424+54.70	50.00 R
T100	423+58.19	50.00 R
T101	420+97.72	50.00 R
T102	418+00.00	50.00 R
T103	418+00.00	40.00 R
T104	413+57.63	40.00 R
T105	413+17.63	80.00 R
T106	413+17.63	350.00 R
T107	413+07.63	350.00 R
T108	413+07.63	525.82 R
T109	412+87.86	521.84 R
T110	412+41.63	535.02 R
T111	412+41.63	300.00 R
T112	412+31.63	300.00 R
T113	412+31.63	80.00 R
T114	411+91.63	40.00 R
T115	410+00.00	40.00 R
T116	410+00.00	50.00 R
T117	409+74.92	50.00 R
T50	409+17.18	50.00 R

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			TLE ACRES
			NEW	EXISTING	TOTAL	
16	L C D DEVELOPMENT, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	2.779	--	2.779	0.176
17	ROBERT G. WEINFURTER AND LINDA M. WEINFURTER, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	FEE	0.023	--	0.023	--
18	AUBURNDALE RECYCLING CENTER, INC.	FEE/TLE	1.180	--	1.180	1.925
19	DAVID WILLFAHRT	FEE/TLE	0.473	--	0.473	0.068

ALIGNMENT INFORMATION
FUEHRER AVENUE

PI = STA 300+00.00
Y = 536,510.657
X = 679,926.937

DA = N21°48'41"E

PI = STA 302+37.26
Y = 536,730.934
X = 680,015.092
Δ = 21°57'19"
T = 94.08'
L = 185.85'
R = 485.00'
LC = 184.71'
CB = N 10°50'01" E
PC = STA 301+43.18
PT = STA 303+29.03

DA = N00°08'38"W

PI = STA 315+45.96
Y = 538,041.940
X = 680,011.798
Δ = 26°31'35"
T = 23.57'
L = 46.30'
R = 100.00'
LC = 45.88'
CB = N 13°24'26" W
PC = STA 315+22.39
PT = STA 315+68.69

DA = N26°40'13"W

PI = STA 318+00.00
Y = 538,269.702
X = 679,897.394

ALIGNMENT INFORMATION
FRONTAGE ROAD NORTH-SOUTH

PI = STA 400+00.00
Y = 535,615.568
X = 681,310.874

DA = N00°14'51"W

PI = STA 405+65.40
Y = 536,180.965
X = 681,308.433
Δ = 06°32'35"
T = 59.05'
L = 117.96'
R = 1033.00'
LC = 117.90'
CB = N 03°01'27" E
PC = STA 405+06.36
PT = STA 406+24.32

DA = N06°17'44"E

PI = STA 409+16.32
Y = 536,529.897
X = 681,346.928
Δ = 06°30'27"
T = 58.72'
L = 117.32'
R = 1033.00'
LC = 117.26'
CB = N 03°02'31" E
PC = STA 408+57.60
PT = STA 409+74.92

DA = N00°12'43"W

PI = STA 422+78.59
Y = 537,892.277
X = 681,341.890
Δ = 102°11'55"
T = 180.94'
L = 260.42'
R = 146.00'
LC = 227.24'
CB = N 50°53'15" E
PC = STA 420+97.72
PT = STA 423+58.14

DA = S78°00'47"E

PI = STA 427+16.54
Y = 537,780.334
X = 681,869.464

ALIGNMENT INFORMATION
ACCESS ROAD EAST-WEST (NORTH)

PI = STA 200+00.00
Y = 537,678.995
X = 680,642.756

DA = S89°20'05"E

PI = STA 207+00.00
Y = 537,670.867
X = 681,342.709

POINT	STATION	OFFSET
T12	304+00.00	33.00 R
T13	304+00.00	43.00 R
T14	302+51.47	49.82 R
T15	302+50.00	39.95 R
T49	409+10.28	50.00 L
T87	409+50.00	50.00 L
T88	409+50.00	60.00 L
T89	409+74.92	60.00 L
T90	410+00.00	60.00 L
T91	410+00.00	50.00 L
T92	414+00.00	50.00 L
T93	414+00.00	40.00 L
T94	421+27.52	43.00 L
T95	423+10.38	43.00 L
T96	426+86.57	33.12 L

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	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	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		
BARN	B		
HOUSE	H		
SHED	S		
GARAGE	G		

CURVE DATA

CHORD LENGTH	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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	IP (IF UNLESS NOTED)	PROPOSED R/W LINE	
R/W MONUMENT	●=(SET)	EXISTING H.E. LINE	
R/W STANDARD	▲=(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		ACCESS RESTRICTED (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB#2	QUARTER LINE	
PARCEL NUMBER	103	SIXTEENTH LINE	
UTILITY INTEREST	40	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21-5	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WOOD COUNTY ZONE, NAD83 (2011) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" X 24" IRON REBAR) 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".

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS, WI.

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 USH 10, CTH P (FORMER STH 186, AND NORTH ROAD ESTABLISHED FROM PREVIOUS PROJECT 6350-06-28. EXISTING ACCESS CONTROL ALONG USH 10, CTH P (FORMER STH 186, AND NORTH ROAD ESTABLISHED FROM PREVIOUS PROJECT 6350-06-28.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION 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 AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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

I, KEVIN C. LORD 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: _____
PRINT NAME: KEVIN C. LORD
REGISTRATION NUMBER: S-2645

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION - WISCONSIN RAPIDS OFFICE

SIGNATURE: _____ DATE:

PRINT NAME:

191

MSA PROFESSIONAL SERVICES

APPRAISAL DATE: 12-18-14

PLOT DATE : 3/3/2015 9:50 AM

PLOT BY : KEVIN LORD

6350-07-25 4.03

BEGIN PROJECT
6350-07-88
STA 207+11.65
MATCH EXISTING
Y= 535640.120
X= 677359.530

N

SIGN

207+00 CTH P 208+00 N 0°40'33" W 209+00 210+00 211+00 212+00 N 0°40'33" W 213+00 CTH P

2.0' 32.0' 2.0'

MATCHLINE STA 214+00

OH G

5

5

CURVE DATA
DELTA = 39°27'06" (LT)
T = 466.13
L = 895.13
R = 1300.00
PISTA = 219+73.54
PIY = 536901.925
PIX = 677344.601
SE = 0.059%

STA 215+73.90 CTH P =
STA 9+99.44 A-LINE

USH 10 / FRONTAGE ROAD A-LINE

PC 215+07.42

MATCHLINE STA 214+00

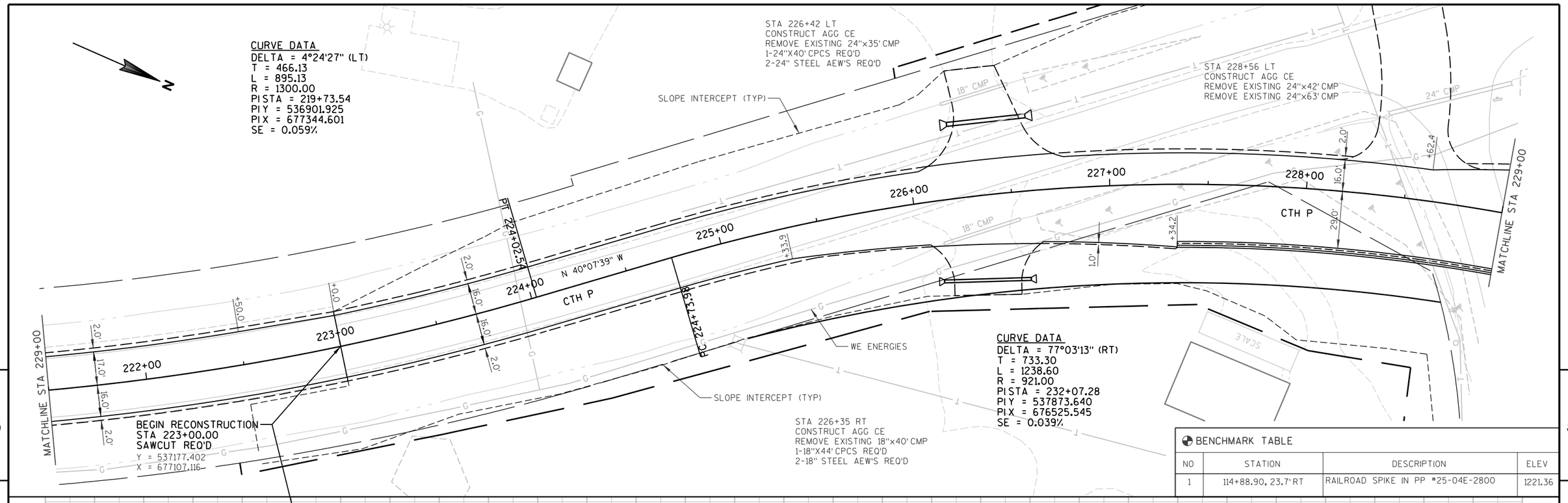
CTH P 215+00 216+00 217+00 218+00 219+00 220+00 221+00 CTH P

2.0' 32.0' 33.0' 16.0' 17.0' 2.0' 65.0' 15.0'

MATCHLINE STA 221+25

N

SIGN



PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 193 E

OBLITERATE OLD ROAD
REMOVE EXISTING ASPHALT PAVEMENT, TOPSOIL, SEED FERTILIZE AND MULCH

MARSHFIELD ST

118+00

PI 118+72.47

119+00

CTH P

230+00

231+00

232+00

233+00

234+00

235+00

236+00

MATCHLINE STA 229+00

MATCHLINE STA 236+50

PI 119+30.69

N 88°36'30" E

PC 119+95.67

120+00

WETLAND BOUNDARY (TYP)

REMOVE FENCE

SLOPE INTERCEPT (TYP)

STA 230+16.26 CTH P =
STA 119+01.58 MARSHFIELD ST
CONSTRUCT TYPE B2 INTERSECTION
SEE INTERSECTION DETAIL

233+00"A"

PT 233+80.61"A"

234+00"A"

235+00"A"

236+00"A"

N 39°30'37" E

TDS

REMOVE EXISTING GUARDRAIL

STA 235+23 LT
REMOVE EXISTING 12"x26' CMP

STA 235+56 RT
REMOVE EXISTING 12"x28' CMP

REMOVE FENCE

X = REMOVE TREE

29.0'

31.0'

16.0'

2.0'

1.0'

+91.4

+82.6

+61.9

+67.6

CURVE DATA
DELTA = 77°03'13" (RT)
T = 733.30
L = 1238.60
R = 921.00
PISTA = 232+07.28
PIY = 537873.640
PIX = 676525.545
SE = 0.039%

150.00' VC
K = 88.74

500.00' VC
K = 137.59

PVI STA 229+50.00
PVI EL1223.50

PVT STA 230+25.00
PVT EL1224.48

PVC STA 231+00.00
PVC EL1225.47

PVI STA 233+50.00
PVI EL1228.75

PVT STA 236+00.00
PVT EL1241.12

+1.31 %

FINISHED ℄ PROFILE

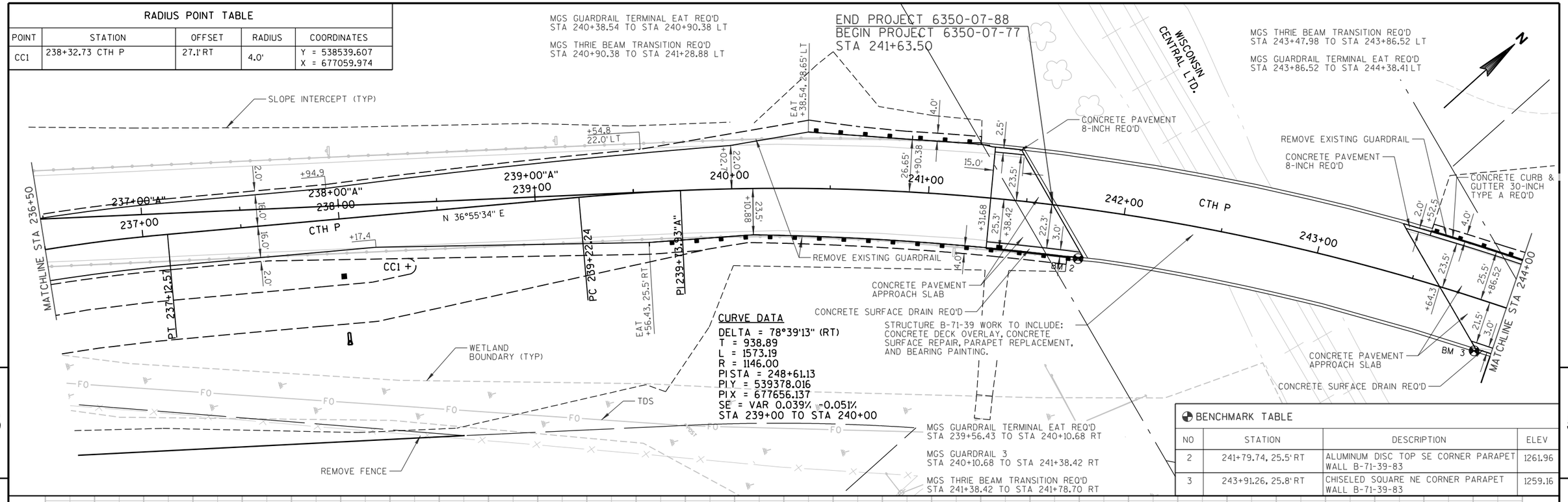
EXISTING ℄ PROFILE

EXISTING ℄ ELEVATIONS

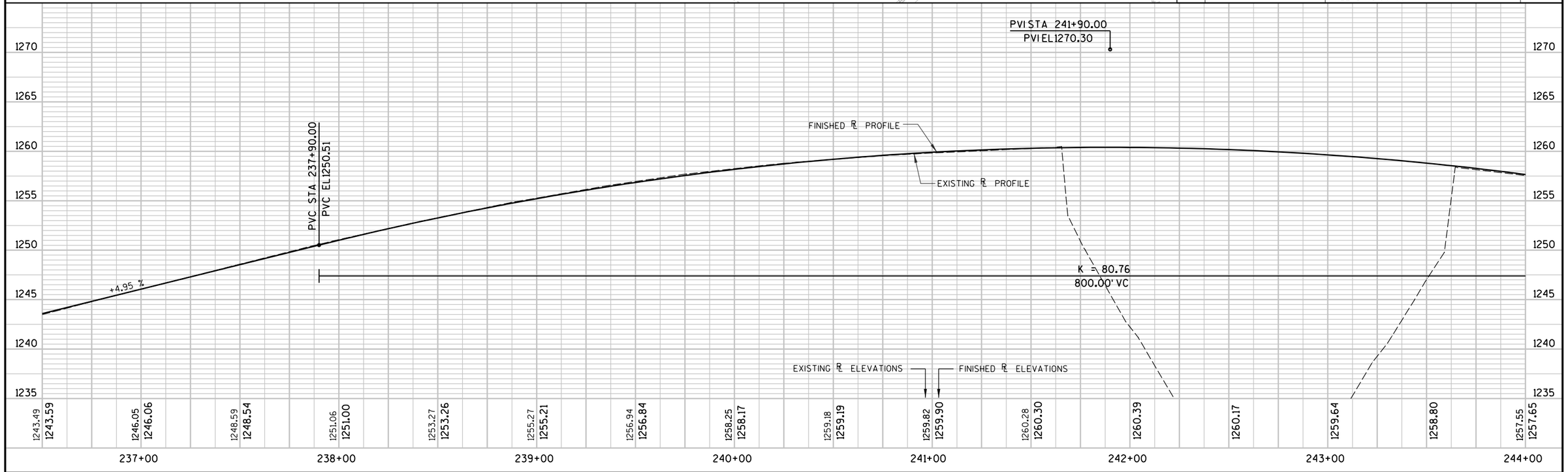
FINISHED ℄ ELEVATIONS

| | | |

RADIUS POINT TABLE				
POINT	STATION	OFFSET	RADIUS	COORDINATES
CC1	238+32.73 CTH P	27.1' RT	4.0'	Y = 538539.607 X = 677059.974



BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
2	241+79.74, 25.5' RT	ALUMINUM DISC TOP SE CORNER PARAPET WALL B-71-39-83	1261.96
3	243+91.26, 25.8' RT	CHISELED SQUARE NE CORNER PARAPET WALL B-71-39-83	1259.16



PROJECT NO: 6350-07-77,88	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 195	E

RADIUS POINT TABLE				
POINT	STATION	OFFSET	RADIUS	COORDINATES
CC1	246+03.84 CTH P	32.5' RT	4.0'	Y = 538991.818 X = 677645.734

MGS THRIE BEAM TRANSITION REQ'D
STA 243+47.98 TO STA 243+86.52 LT

MGS GUARDRAIL TERMINAL EAT REQ'D
STA 243+86.52 TO STA 244+38.41 LT

SLOPE INTERCEPT (TYP)

REMOVE EXISTING GUARDRAIL

CONCRETE CURB & GUTTER 30-INCH TYPE A REQ'D

EAT +38.41, 27.5' LT

VAR TAPER

15:1 TAPER

CTH P

MATCHLINE STA 244+00

+24.01

+20.40

+40.78

24.5'

4.0'

CONCRETE SURFACE DRAIN REQ'D

EAT +94.59, 26.5' RT

MGS THRIE BEAM TRANSITION REQ'D
STA 244+04.72 TO STA 244+40.28 RT

MGS GUARDRAIL TERMINAL EAT REQ'D
STA 244+40.28 TO STA 244+94.59 RT

WETLAND BOUNDARY (TYP)

TRACK FENCE CLEARNCE REQ'D

2.0'

+52.78

22.0'

+27.6

29.0'

+76.2

+63.0

+ CC1

REMOVE EXISTING GUARDRAIL

2.0'

29.0'

29.3'

30.7'

16.0'

27.0'

11+00

CTH M

WE ENERGIES (TYP)

STA 249+05.60 CTH P =
STA 10+00.00 CTH M
MODIFIED TYPE A2 INTERSECTION REQ'D
SEE INTERSECTION DETAIL

PACKERLAND BROADBAND (TYP)

245+00 246+00 247+00 248+00 249+00 250+00 251+00

CTH P

1.0'

31.0'

29.0'

2.0'

MATCHLINE STA 251+50

CURVE DATA
DELTA = 78°39'13" (RT)
T = 938.89
L = 1573.19
R = 1146.00
PI STA = 248+61.13
PI Y = 539378.016
PI X = 677656.137
SE = VAR 0.051% - 0.036%
STA 247+00 TO STA 248+00

STA 248+10 RT
REMOVE EXISTING 15"x20' CPCP

TDS

FO

X = REMOVE TREE

PVT STA 245+90.00
PVT EL1250.46

FINISHED ℄ PROFILE

-4.96 %

EXISTING ℄ PROFILE

PVC STA 247+25.00
PVC EL1243.77

400.00' VC
K = 97.83

249+25.00
233.85

EXISTING ℄ ELEVATIONS

FINISHED ℄ ELEVATIONS

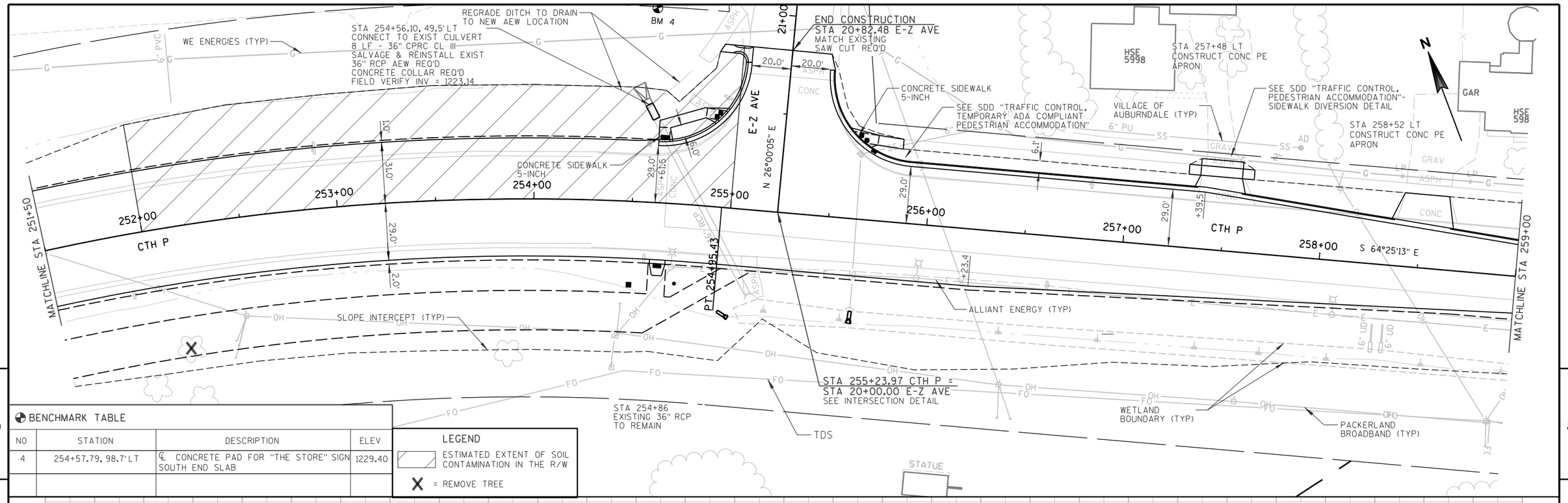
251+25.00
232.11

1265 1260 1255 1250 1245 1240 1235 1230

1257.55 1257.65 | 1256.18 1256.19 | 1254.26 1254.43 | 1252.03 1252.35 | 1249.74 1249.97 | 1247.32 1247.49 | 1244.90 1245.01 | 1242.62 1242.56 | 1240.33 1240.34 | 1238.26 1238.37 | 1236.54 1236.66 | 1235.09 1235.20 | 1233.93 1234.00 | 1232.94 1233.05 | 1232.26 1232.36 | 1231.81 1231.89

244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 196	E



5

5

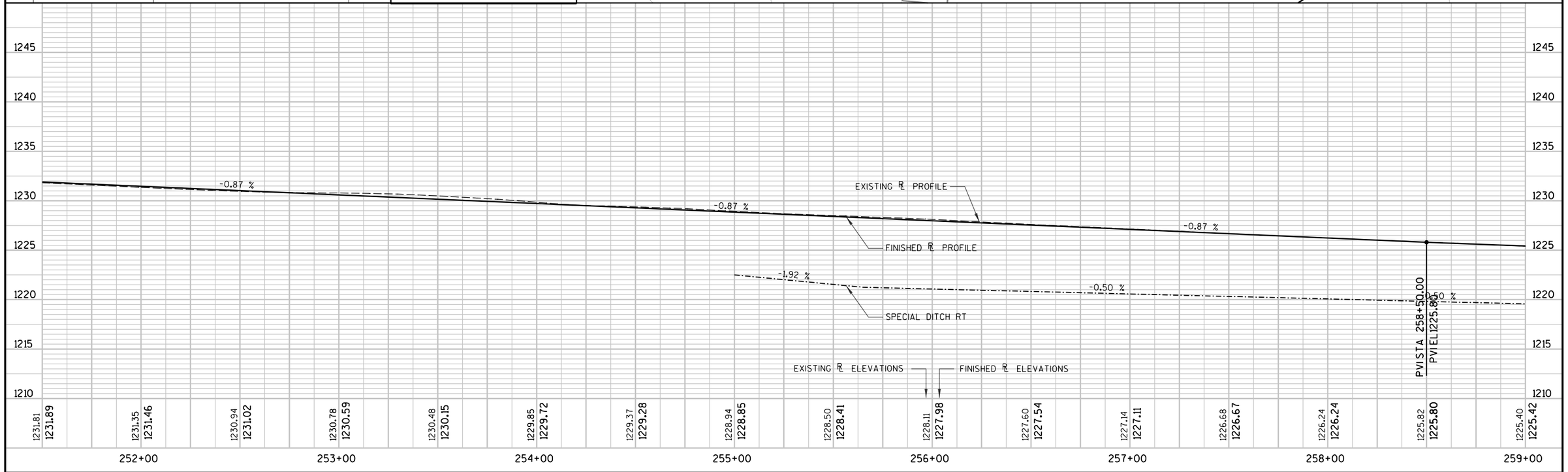
BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
4	254+57.79, 98.7'LT	℄ CONCRETE PAD FOR "THE STORE" SIGN SOUTH END SLAB	1229.40

LEGEND

ESTIMATED EXTENT OF SOIL CONTAMINATION IN THE R/W

X = REMOVE TREE



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 197	E

STA 260+01.14, 17.0' RT CTH P =
STA 22+08.37 PEDESTRIAN UNDERPASS

CURVE DATA
DELTA = 13°28'06" (LT)
T = 169.13
L = 336.71
R = 1432.39
PI STA = 263+53.14
PI Y = 538602.308
PI X = 679276.635
SE = 0.033%

STA 259+74 LT
CONSTRUCT CONC PE
APRON

STA 261+00 LT
CONSTRUCT CONC PE
APRON

STA 261+73 LT
CONSTRUCT CONC PE
APRON

STA 263+55 LT
CONSTRUCT CONC PE
APRON

STA 264+39 LT
CONSTRUCT CONC PE
APRON

STA 265+19 LT
CONSTRUCT CONC PE
APRON

STA 265+64 LT
CONSTRUCT CONC PE
APRON

PACKERLAND
BROADBAND (TYP)

WE ENERGIES (TYP)

HSE 5976
HSE 5972
HSE 5964
HSE 5958
HSE 5944
HSE 5934
GAR

BM 6

MATCHLINE STA 259+00

MATCHLINE STA 266+50

CTH P

PI 22+08.37

PC 21+50.64

PT 21+87.63

PI 21+71.90

PI 261+84.00

PI 263+53.14

PI 265+20.71

260+00
261+00
262+00
263+00
264+00
265+00
266+00

CAUTION

STA 21+44.80, 22.9' LT
STA 259+68.00, 46.4' RT
1-36"X48' CPRC CL III REQ'D
1-36" AEW REQ'D
INV EL = 1218.72

STA 21+81.96, 15.7' RT
STA 260+16.00, 46.4' RT
1-36" AEW REQ'D
INV EL = 1218.16

STA 260+97.25 CTH P =
STA 30+00.00 MARSHFIELD ST
SEE INTERSECTION DETAIL

STA 29+30, ℞
REMOVE EXISTING
36"X73' RCP

PROJECT
6350-07-80
(WORK BY
OTHERS)

S 83°46'25" E

MARSHFIELD ST

29+00

28+00

N 26°09'47" E

STA 28+83, 37' LT
REMOVE EXISTING
15"X35' CMP

OBLITERATE OLD ROAD
REMOVE EXISTING ASPHALT
PAVEMENT, TOPSOIL, SEED
FERTILIZE AND MULCH
(SEE DETAIL)

TRACK FENCE CLEARANCE REQ'D

STA 28+30, ℞
REMOVE EXISTING
24"X67' CMP

STA 27+65, ℞
REMOVE EXISTING
24"X47' CMP

24" CMP

VILLAGE OF
AUBURNDALE (TYP)

WETLAND
BOUNDARY (TYP)

TDS (TYP)

SLOPE INTERCEPTS (TYP)

FLOWER BED

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
5	260+17.40, 74.6' RT	RR SPIKE IN PP #25-4-22.3 SW CORNER CTH P & MARSHFIELD STREET	1223.99
6	265+98.85, 63.2' LT	TOP ℄ BOTTOM CONCRETE STEP HOUSE #5934	1229.40

PEDESTRIAN UNDERPASS

50' VC
K = 25.02

PVOT STA 22+08.36
PVOT EL1224.36

21+62.53
1223.95

-0.50 %
+1.50 %

PVC STA 21+50.00
PVC EL1223.99

PVT STA 22+00.00
PVT EL1224.23

PVI STA 21+75.00
PVI EL1223.86

1223.95 1224.49
1224.36 1224.24
1222.56 1223.99
1223.70 1224.23

21+00
22+00

EXISTING ℞ PROFILE
FINISHED ℞ PROFILE
SPECIAL DITCH RT

-0.77 %
-1.15 %
-0.82 %
-1.47 %

PVC STA 264+00.00
PVC EL1221.58

PVI STA 264+50.00
PVI EL1221.20

PVT STA 265+00.00
PVT EL1220.46

K = 141.44
100.00' VC

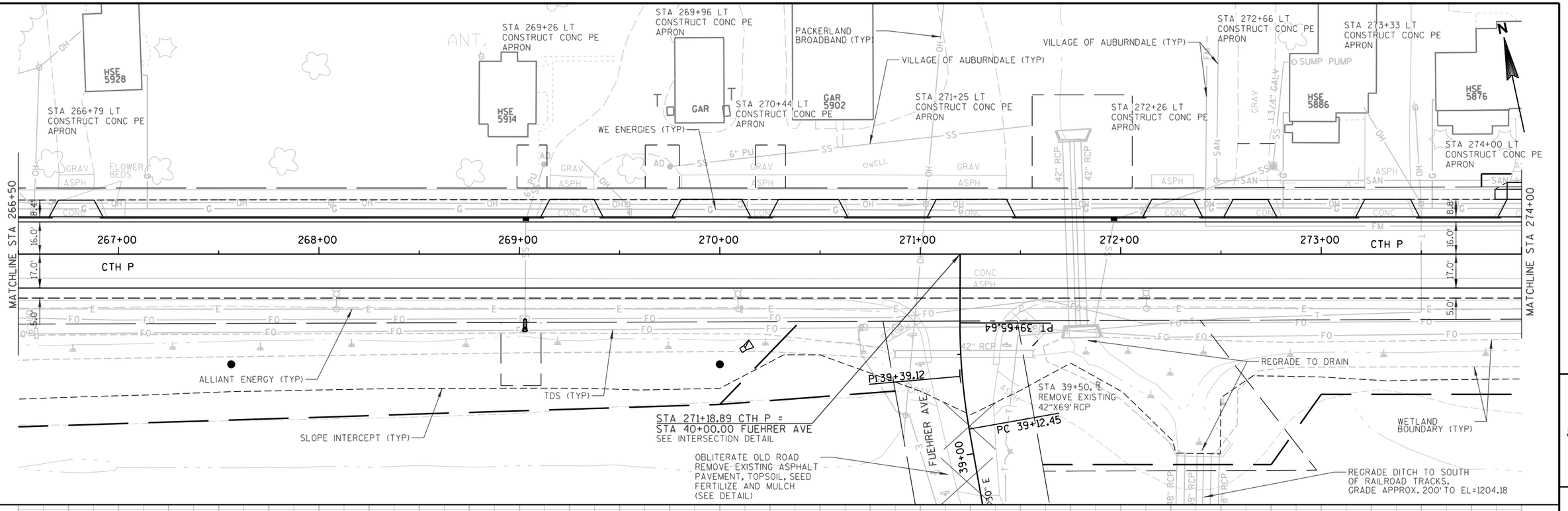
EXISTING ℞ ELEVATIONS
FINISHED ℞ ELEVATIONS

1225.40 1225.42
1224.99 1225.03
1224.60 1224.65
1224.23 1224.27
1223.91 1223.88
1223.60 1223.50
1223.29 1223.12
1222.96 1222.73
1222.61 1222.35
1222.17 1221.97
1221.68 1221.58
1221.15 1221.11
1220.52 1220.46
1219.81 1219.73
1219.08 1218.99
1218.27 1218.25

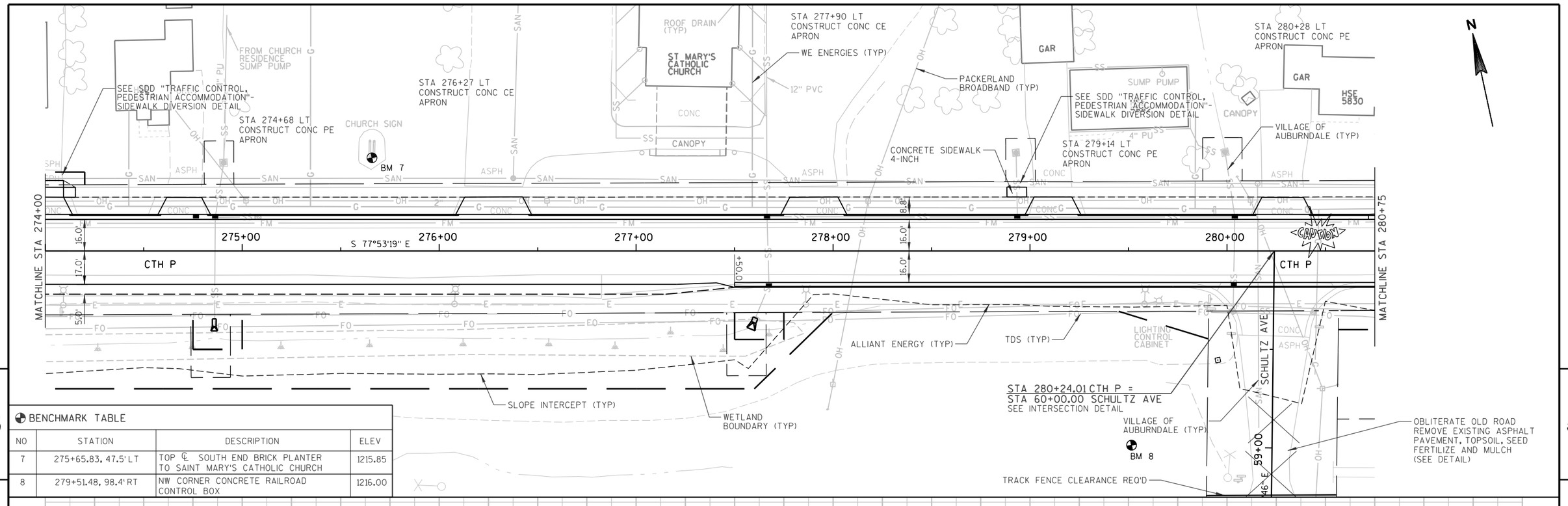
259+00
260+00
261+00
262+00
263+00
264+00
265+00
266+00

1225
1220
1215
1210
1230

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 198	E



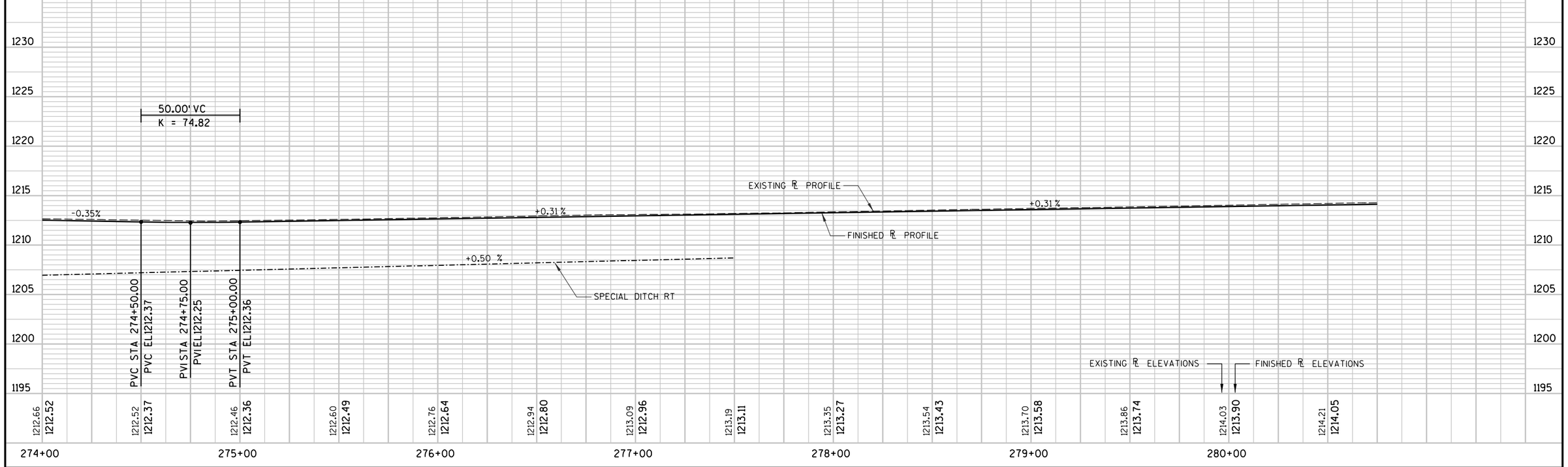
PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 199	E



5

BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
7	275+65.83, 47.5' LT	TOP ℄ SOUTH END BRICK PLANTER TO SAINT MARY'S CATHOLIC CHURCH	1215.85
8	279+51.48, 98.4' RT	NW CORNER CONCRETE RAILROAD CONTROL BOX	1216.00

5



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 200	E

END CONSTRUCTION
STA 71+00.00 SCHOOL AVE
MATCH EXISTING
SAW CUT REQ'D

SEE SDD "TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION" AND SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" -CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK DETAIL

CONCRETE SIDEWALK 5-INCH

STA 281+45.28 CTH P =
STA 70+00.00 SCHOOL AVE
SEE INTERSECTION DETAIL

POWER POLE RELOCATION REQ'D

CONCRETE SIDEWALK 5-INCH

SCHOOL AVE

N 12°59'59" W 71+00

STA 283+00 LT
CONSTRUCT CONC CE
APRON

STA 283+62 LT
CONSTRUCT CONC PE
APRON

STA 284+34 LT
CONSTRUCT CONC PE
APRON

STA 284+75 LT
CONSTRUCT CONC PE
APRON

WE ENERGIES (TYP)

STA 285+79 LT
CONSTRUCT CONC CE
APRON

PACKERLAND
BROADBAND (TYP)

END CONSTRUCTION
STA 80+43.58 BRICKLE AVE
MATCH EXISTING
SAW CUT REQ'D

CONCRETE SIDEWALK 5-INCH

STA 287+46.07 CTH P =
STA 80+00.00 BRICKLE AVE
SEE INTERSECTION DETAIL

APARTMENTS 201-206

T-BANGES BAR & GRILL

N 11°59'31" E 81+00

BRICKLE AVE

CONCRETE SIDEWALK 5-INCH

VILLAGE OF AUBURNDALE

GAR

HSE 5808

GAR

HSE 5800

HARDWARE STORE 5798

ASPHALT

ASPHALT

BM 9

CAUTION

MATCHLINE STA 280+75

281+00 282+00 283+00 284+00 285+00 286+00 287+00 288+00

MATCHLINE STA 288+00

CTH P

CTH P

15.0'
18.2'
16.0'
16.0'
16.0'
16.0'
16.0'
16.0'
16.0'
8.9'

ALLIANT ENERGY (TYP)

SLOPE INTERCEPT (TYP)

TDS (TYP)

PI 286+34.39

SOLARUS (TYP)

REGRADE TO DRAIN

STA 281+61.5, 96'RT
INSTALL CULVERT PIPE LINER 24-INCH.
RAISE INVERT ELEVATION TO 1208.52.
RAISE DISCHARGE ELEVATION TO 1208.03.

TRACK FENCE CLEARNACE REQ'D

REGRADE DITCH TO SOUTH OF RAILROAD TRACKS.
GRADE APPROX. 60' TO EL=1207.87

WISCONSIN CENTRAL LTD.

SEE SDD "TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION" AND SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" -CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK DETAIL

X = REMOVE TREE

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
9	283+91.37, 43.6'LT	TOP ℄ BOTTOM CONCRETE STEPS HOUSE #5808	1217.57

5

5

K = 106.67
200.00' VC

100.00' VC
K = 94.23

+0.31 %

+1.37 %

-0.50 %

EXISTING ℞ PROFILE

FINISHED ℞ PROFILE

PVC STA 281+90.00
PVC EL1214.49

PVI STA 282+40.00
PVI EL1214.65

PVT STA 282+90.00
PVT EL1215.34

PVC STA 285+00.00
PVC EL1218.22

PVI STA 286+00.00
PVI EL1219.60

PVT STA 287+00.00
PVT EL1219.10

EXISTING ℞ ELEVATIONS

FINISHED ℞ ELEVATIONS

1214.31	1214.21	1214.45	1214.37	1214.64	1214.53	1214.95	1214.87	1215.48	1215.48	1216.10	1216.16	1216.82	1216.85	1217.60	1217.54	1218.32	1218.22	1218.86	1218.80	1219.19	1219.13	1219.20	1219.23	1219.09	1219.10	1218.93	1218.85	1218.71	1218.60

1230 1225 1220 1215 1210 1205 1200 1195

281+00 282+00 283+00 284+00 285+00 286+00 287+00 288+00

PVOT STA 80+00.00
PVOT EL1218.87
PVI STA 80+16.00
PVI EL1218.55
PVOT STA 80+43.58
PVOT EL1219.10

-2.00 % +1.99 %

BRICKLE AVE

1225 1220 1215

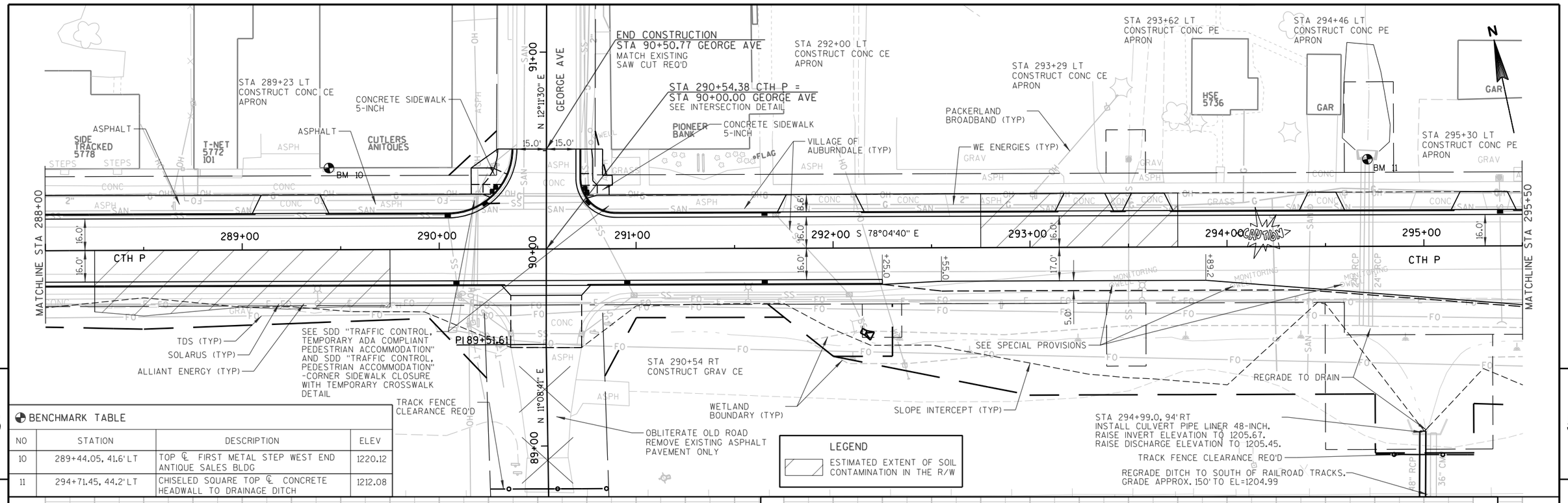
1218.94 1218.87 1219.30 1219.91 1219.40

80+00 81+00

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 201	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\050110 pp.dgn PLOT TIME : 1:51:00 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 40

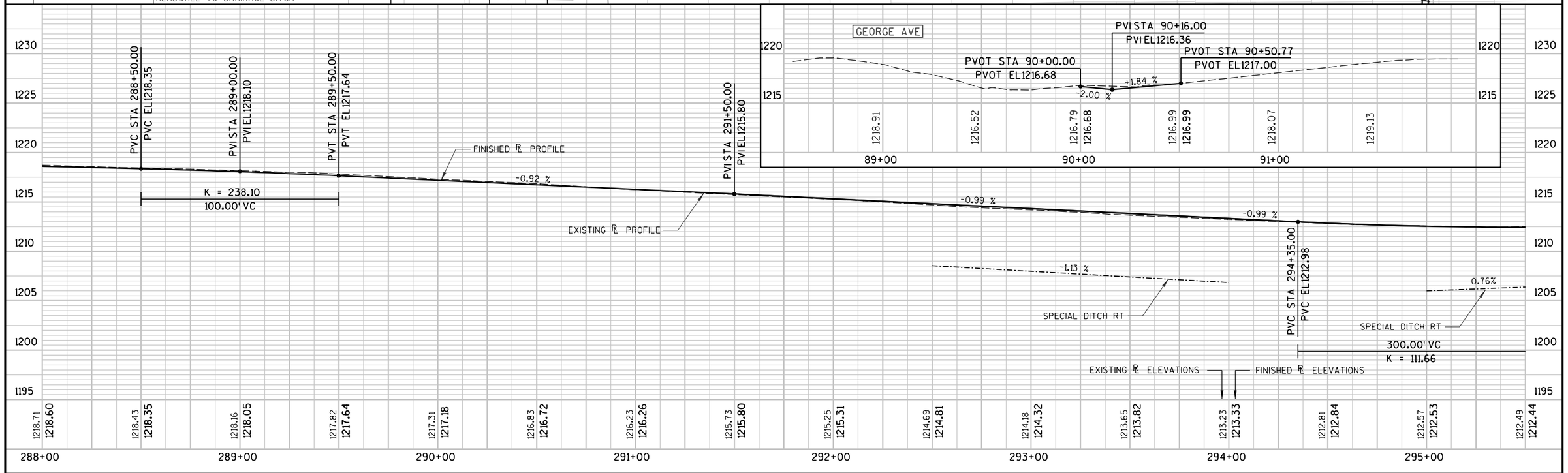


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BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
10	289+44.05, 41.6' LT	TOP ℄ FIRST METAL STEP WEST END ANTIQUE SALES BLDG	1220.12
11	294+71.45, 44.2' LT	CHISELED SQUARE TOP ℄ CONCRETE HEADWALL TO DRAINAGE DITCH	1212.08



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 202	E

STA 297+00 LT
CONSTRUCT CONC PE
APRON

STA 297+50 LT
CONSTRUCT CONC PE
APRON

STA 296+47 LT
CONSTRUCT CONC PE
APRON

END CONSTRUCTION
STA 50+40.00 NORTH RD
MATCH EXISTING
SAW CUT REQ'D

STA 299+50 LT
CONSTRUCT GRAV PE

STA 300+10 LT
CONSTRUCT GRAV PE

STA 301+39 LT
CONSTRUCT ASPH PE
SAWCUT REQ'D

MAINTAIN 2-FT CLEARANCE FROM
BACK OF SIDEWALK TO EXISTING CONCRETE
TANKS TO REMAIN

SUMP PUMP
HSE 5724
SUMP PUMP
ROOF DRAIN
2" PVC

WE ENERGIES (TYP)
HSE 5720
HSE 5716
HSE 5714
HSE 5710
HSE 5698
HSE 5686

CONCRETE SIDEWALK
5-INCH

CONCRETE SIDEWALK
4-INCH

PACKERLAND
BROADBAND (TYP)

VILLAGE OF
AUBURNDALE (TYP)

TANKS

BM 12

NORTH RD
N 0°12'35" E

MATCHLINE STA 295+50

MATCHLINE STA 303+00

296+00 297+00 298+00 299+00 300+00 301+00 302+00 303

CTH P

CTH P

+38.8

+98.8

+16.8

+64.2

16.0'
31.0'
1.0'
29.0'
20.0'
6.0'
9.0'
5.0'
17.0'

CAUTION

CAUTION

SEE SDD "TRAFFIC CONTROL,
TEMPORARY ADA COMPLIANT
PEDESTRIAN ACCOMMODATION"
AND "TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION"-
SIDEWALK DIVERSION DETAIL

WETLAND BOUNDARY (TYP)

ALLIANT ENERGY (TYP)

SLOPE INTERCEPT (TYP) TDS (TYP)

SOLARUS

STA 298+40.76 CTH P
STA 49+66.52 NORTH RD
SEE INTERSECTION DETAIL

SEE SDD "TRAFFIC CONTROL,
TEMPORARY ADA COMPLIANT
PEDESTRIAN ACCOMMODATION"
AND "TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION"-
SIDEWLAK DIVERSION DETAIL

APPROX. 2-FT DITCH CUT.
POTENTIAL UTILITY CONFLICTS.

WISCONSIN CENTRAL LTD.

5

5

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
12	301+86.39, 31.6' LT	TOP SOUTH END WEST LIFT STATION STRUCTURE	1221.50

1235
1230
1225
1220
1215
1210
1205
1200

PVI STA 295+85.00
PVI EL1211.50

+0.76 %

PVT STA 297+35.00
PVT EL1214.05

+0.76 %

300.00' VC

PVC STA 297+75.00
PVC EL1214.73

+1.70 %

PVI STA 298+50.00
PVI EL1216.00

K = 228.92
150.00' VC

PVT STA 299+25.00
PVT EL1216.78

+1.15 %

SPECIAL DITCH RT

+1.04 %

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

PVC STA 301+40.00
PVC EL1219.02

PVI STA 302+00.00
PVI EL1219.65

PVT STA 302+60.00
PVT EL1220.05

K = 316.04
120.00' VC

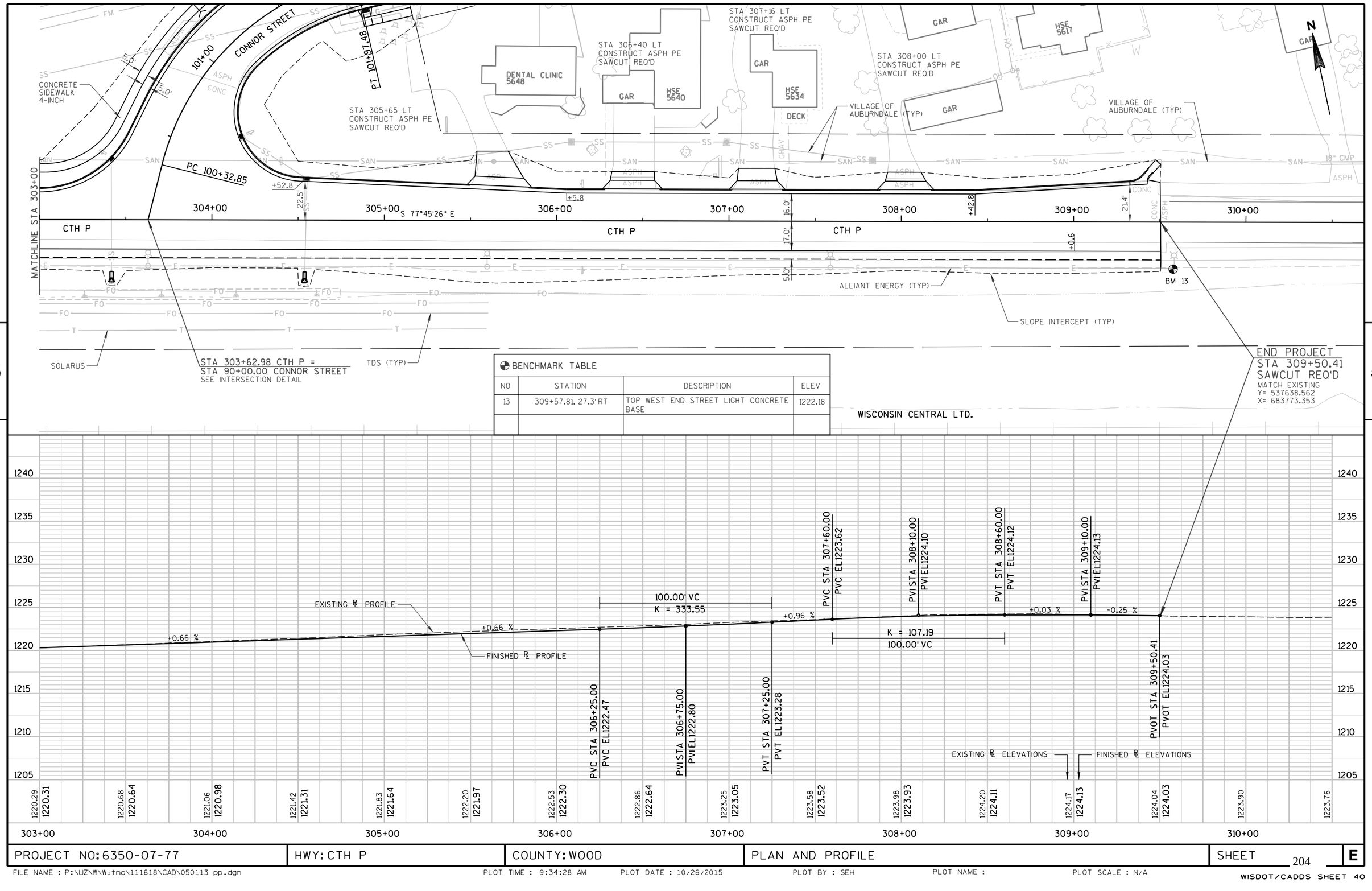
EXISTING ℄ ELEVATIONS

FINISHED ℄ ELEVATIONS

1212.49	1212.44		
1212.62	1212.57		
1212.92	1212.93		
1213.33	1213.51		
1213.80	1214.30		
1214.38	1215.14		
1215.13	1215.88		
1215.67	1216.51		
1216.39	1217.04		
1217.04	1217.56		
1217.63	1218.09		
1218.20	1218.61		
1218.86	1219.13		
1219.43	1219.59		
1219.88	1219.98		
1220.29	1220.31		

296+00 297+00 298+00 299+00 300+00 301+00 302+00 303+00

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 203	E



5

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BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
13	309+57.81, 27.3' RT	TOP WEST END STREET LIGHT CONCRETE BASE	1222.18

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE	SHEET 204	E

CURVE DATA
DELTA =1°28'26" (LT)
D =0°43'41"
T =101.23
L =202.44
R =7870.00
PISTA 113+80.33
PIY =537791.332
PIX =676265.974

CURVE DATA
DELTA =1°28'26" (LT)
D =0°43'41"
T =101.23
L =202.44
R =7870.00
PISTA 113+80.33
PIY =537791.332
PIX =676265.974

STA 111+58 LT
CONSTRUCT AGG FE
1-18"X48' CPCS REQ'D
2-18" STEEL AEW'S REQ'D

STA 227+36.2"A" - 232+91.4"A"
OBLITERATE OLD ROAD
OBLITERATE OLD ROAD
REMOVE EXISTING ASPHALT
PAVEMENT, TOPSOIL, SEED
FERTILIZE AND MULCH

228+00"A"
227+00"A"
226+00"A"
225+00"A"
224+00"A"
223+00"A"
222+00"A"
221+00"A"
OLD US 10
PC 223+65.45"A"
PC 112+76.10
PI 109+19.67
PI 223+13.19"A"
PI 113+80.33
MATCHLINE STA 114+50
MARSHFIELD ST
S 89°41'46" E
S 89°55'05" E
S 89°55'05" E
107+00
108+00
109+00
110+00
111+00
112+00
113+00
114+00
+50.0
1.0'
17.0'
SIGN
18" CMP
12" PINES
OWELL
FO
OH
T

BEGIN CONTRUCTION
STA 107+25.00
Y=537793.025
X=675610.603

MATCH EXISTING
SAWCUT REQ'D
Y=537792.362
X=675735.650

SLOPE INTERCEPT (TYP)

HSE
6223 MAIN ST

STA 111+58 RT
CONSTRUCT 18' AGG PE
MATCH EXISTING
REMOVE EXISTING 18"x40' CMP
1-30"X32' CPCS REQ'D
2-30" STEEL AEW'S REQ'D

X = REMOVE TREE

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
1	114+88.90, 23.7' RT	RAILROAD SPIKE IN PP "25-04E-2800	1221.36

1235
1230
1225
1220
1215
1210
1205
1200

100.00' VC
K = 193.97

PVI STA 108+50.00
PVI EL1219.45

PVC STA 109+25.00
PVC EL1219.48

PVI STA 109+75.00
PVI EL1219.50

PVT STA 110+25.00
PVT EL1219.78

PVC STA 111+50.00
PVC EL1220.47

PVI STA 112+00.00
PVI EL1220.75

PVT STA 112+50.00
PVT EL1220.89

+0.04 %
+0.56 %
+0.29 %
+.4%
+.30%

SD RT

K = 370.59
100.00' VC

FINISHED ℄ PROFILE
EXISTING ℄ PROFILE
EXISTING ℄ ELEVATIONS
FINISHED ℄ ELEVATIONS

1219.73		1219.49		1219.46		1219.45	1219.45	1219.43	1219.47	1219.67	1219.51	1219.87	1219.66	1220.30	1219.92	1220.74	1220.19	1221.22	1220.47	1221.57	1220.72	1218.72	1220.89	1219.91	1221.04	1220.79	1221.18	1220.98	1221.32	1220.99	1221.46

107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00

PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE - MARSHFIELD STREET	SHEET 205	E

STA 229+65"A"
REMOVE EXISTING
18"x35' CMP

230+00"A"

229+00"A"

OLD US 10

OBLITERATE OLD ROAD
REMOVE EXISTING ASPHALT
PAVEMENT, TOPSOIL, SEED
FERTILIZE AND MULCH

STA 230+00"A"
REMOVE EXISTING
24"x91' CMP

CURVE DATA
DELTA =13°46'46" (RT)
D =16°51'06"
T =41.08
L =81.77
R =340.00
PC X =676881.151
PI STA 120+36.76
PI Y =537807.277
PI X =676922.222

PI 232+07.28

KDL

SLOPE INTERCEPT (TYP)

ASPH FLUME REQ'D

STA 117+34 LT
REMOVE EXISTING
24"x25' CMP

CTH P

1.0'
31.0'
3.0'
+89.9
29.0'
231+00
+79.9
29.0'

STA 119+01.58 MARSHFIELD ST =
STA 230+16.26 CTH P
SEE INTERSECTION DETAIL

APT #6126
GAR
APT #6124
APT #611

REMOVE FENCE

CONCRETE SIDEWALK
4-INCH

PI 120+36.76
PI 121+82.06
PI 119+30.69

STA 121+20.4 LT
CONSTRUCT 24' WIDE CONC PE
MATCH EXISTING
SAWCUT REQ'D
REMOVE EXISTING 12"x33' CMP

PT 114+81.54

MATCHLINE STA 114+50

115+00
116+00
117+00
118+00
119+00
120+00
121+00

N 88°36'30" E

3.0'
15.0'
15.0'
3.0'

MARSHFIELD ST

BM 1

PI 229+08.71"A"

+17.7
10.91

CONSTRUCT 16' WIDE
GRAV CE

+74.6
83.3' RT

OLD STH 186

+14.1
18.0'
+29.7
10.91

PI 118+72.47
230+00

29.0'
+62.4

ASPH FLUME REQ'D

CURVE DATA
DELTA =11°31'37" (LT)
D =11°01'06"
T =52.48
L =104.61
R =520.00
PC X =676962.348
PI STA 121+29.93
PI Y =537787.204
PI X =677013.611

PC 119+95.67
PRC 120+77.44
PI 121+29.93

29.0'
+30.4

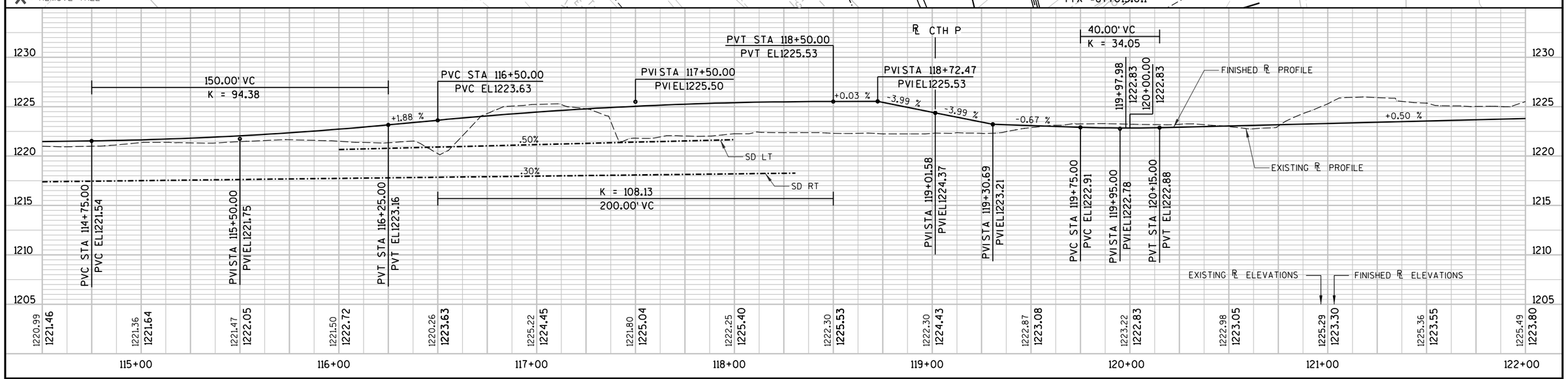
<CAUTION>

MARSHFIELD ST

MATCHLINE STA 122+00

STA 120+77.5 RT
CONSTRUCT 35' WIDE AGG CE
MATCH EXISTING
REMOVE EXISTING 18"x29' CMP

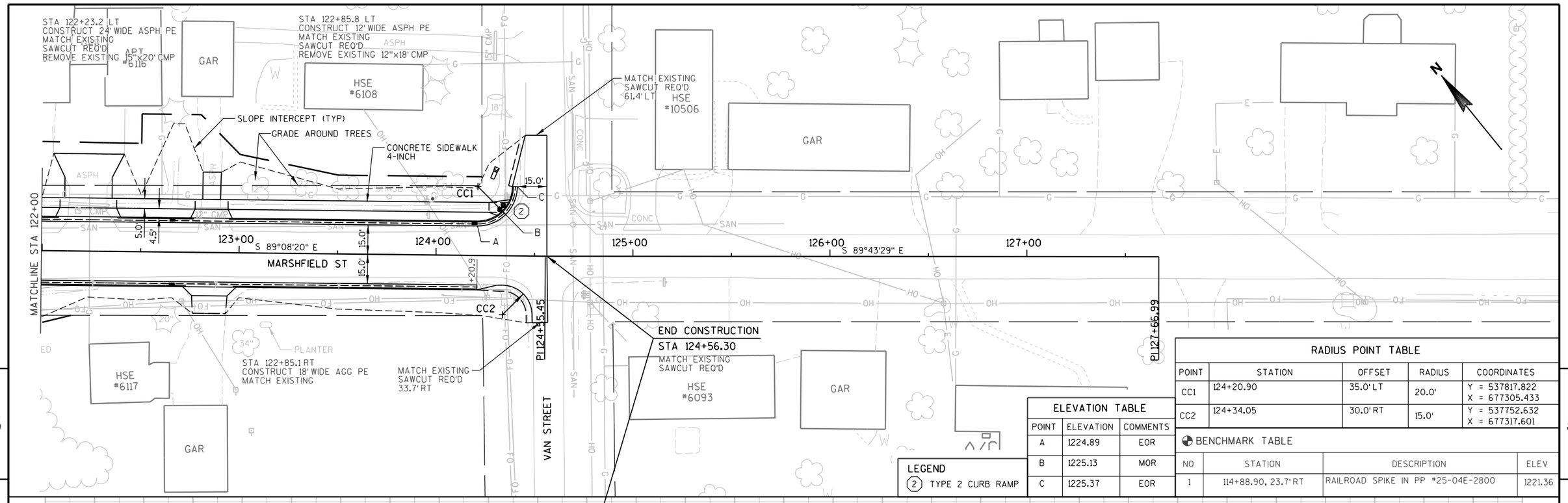
X = REMOVE TREE



PROJECT NO: 6350-07-88	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE - MARSHFIELD STREET	SHEET 206	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\050115 pp.dgn PLOT TIME : 9:34:30 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 40



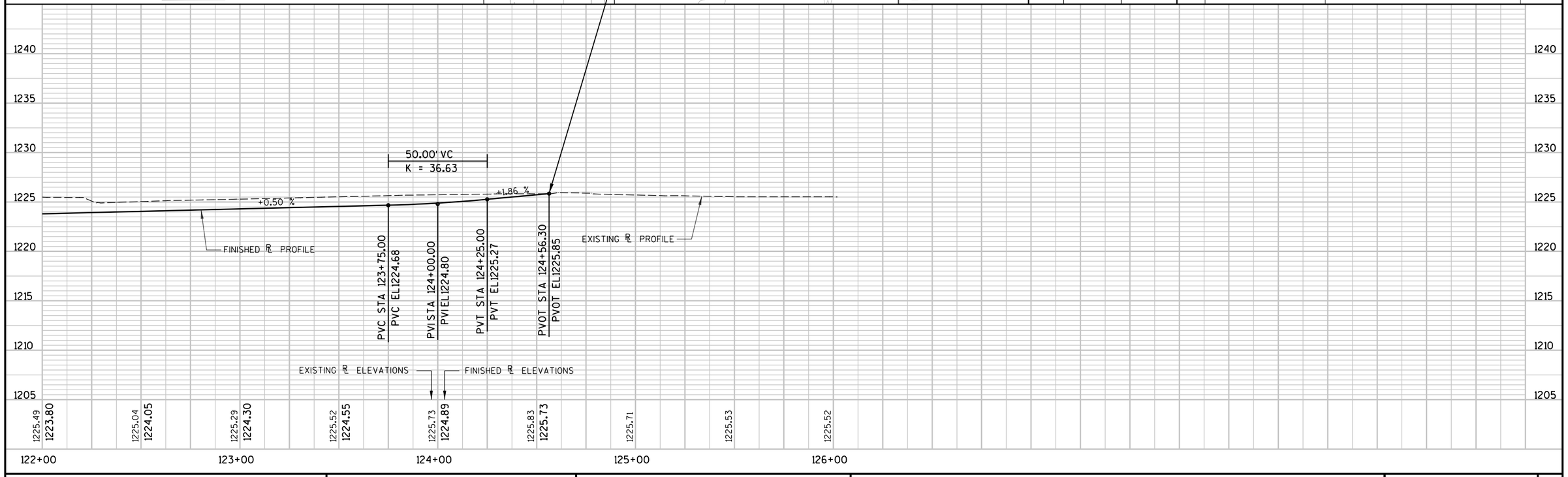
RADIUS POINT TABLE				
POINT	STATION	OFFSET	RADIUS	COORDINATES
CC1	124+20.90	35.0' LT	20.0'	Y = 537817.822 X = 677305.433
CC2	124+34.05	30.0' RT	15.0'	Y = 537752.632 X = 677317.601

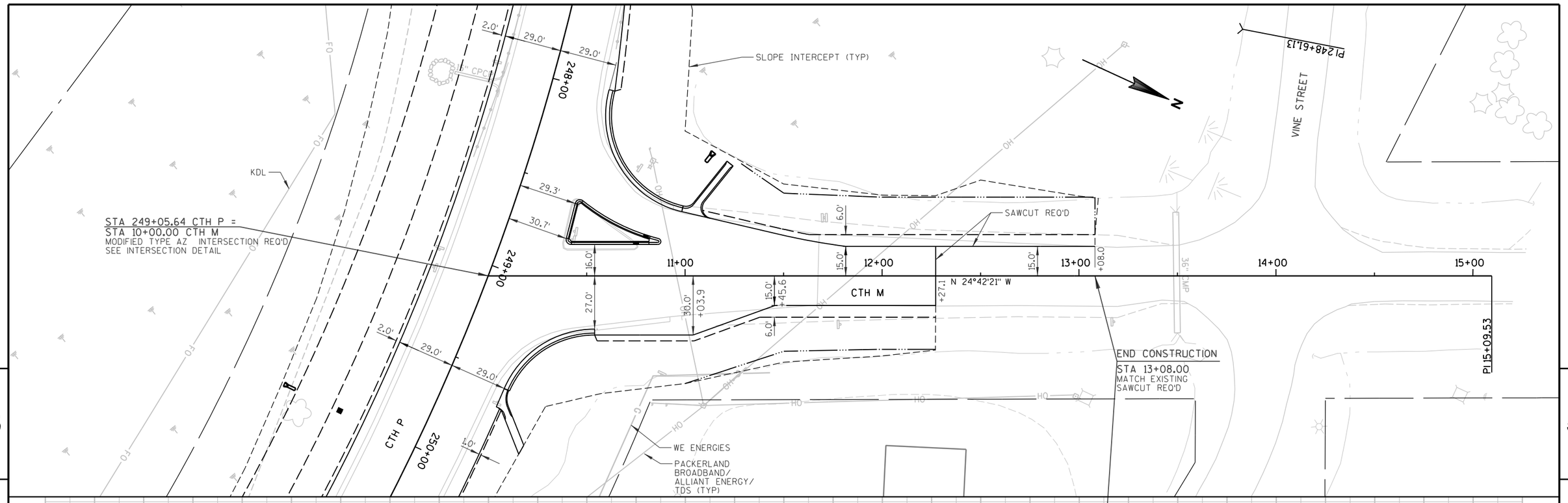
ELEVATION TABLE		
POINT	ELEVATION	COMMENTS
A	1224.89	EOR
B	1225.13	MOR
C	1225.37	EOR

LEGEND
(2) TYPE 2 CURB RAMP

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
1	114+88.90, 23.7' RT	RAILROAD SPIKE IN PP #25-04E-2800	1221.36





PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE - CTH M	SHEET 208	E



PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE - SCHOOL AVENUE	SHEET 209	E

STA 47+31LT
CONSTRUCT AGG FE

STA 49+14.90, 46.4'LT
1-30"x88'CPRC CL III REQ'D
1-30" AEW REQ'D
INV EL = 1208.31
REMOVE EXISTING
30"X76' RCP

KDL

CTH P

SLOPE INTERCEPT (TYP)

+32.5, 22.3'LT

PT 48+38.04

+49.0, 28.0'LT

STA 298+40.76 CTH P =
STA 49+66.52 NORTH RD
SEE INTERSECTION DETAIL

PI 298+00.00

45+00 46+00 47+00 48+00 49+00 50+00 51+00

N 0°12'35" E

NORTH RD

+85.1 +8.0 +70.5 +22.0 +53.5 +52.4 +16.4

+68.0 +88.2 +27.9 +43.2 +43.7

3.0' 15.0' 15.0' 3.0' 11.0' 10.0' 11.0' 20.0' 15.0' 10.0' 15.5' 15.5'

REVERSE GUTTER PAN (TYP)

PI 46+22.64

+38.5, 23.0'RT

+24.7, 16.0'RT

PI 51+00.26

STA 50+38 RT
CONSTRUCT CONC PE
SAWCUT REQ'D
MATCH EXISTING

BEGIN CONSTRUCTION
STA 45+75.00
MATCH EXISTING
SAWCUT REQ'D

STA 49+01.31, 40.5'RT
1-30" AEW REQ'D
INV EL = 1209.85

WISCONSIN CENTRAL LTD

299+00

29.0' 20.0' 5.0' 3.0'

VILLAGE OF AUBURNDALE (TYP)

WE ENERGIES (TYP)

PACKERLAND BROADBAND (TYP)

ALLIANT ENERGY (TYP)

TDS (TYP)

WETLAND BOUNDARY (TYP)

SOLARUS (TYP)

STA 47+60 RT
CONSTRUCT AGG FE

END CONSTRUCTION
STA 50+40.00
MATCH EXISTING
SAWCUT REQ'D

5 5

1230 1225 1220 1215 1210 1205 1200 1195

100.00' VC
K = 41.64

K = 31.72
100.00' VC

K = 9.79
50.00' VC

40.00' VC
K = 8.68

40.00' VC
K = 16.30

+1.65 % +0.90 % +0.00 % -8.11 % +1.69 % -2.26 % -1.92 % +0.50 %

PVOT STA 45+75.00
PVOT EL1214.53

PVC STA 45+99.00
PVC EL1214.93

PVI STA 46+49.00
PVI EL1215.75

PVC STA 46+99.00
PVC EL1217.78

PVT STA 46+99.00
PVT EL1217.78

PVI STA 47+49.00
PVI EL1219.80

PVT STA 47+99.00
PVT EL1220.25

PVI STA 48+27.00
PVI EL1220.50

PVI STA 48+45.00
PVI EL1220.50

PVI STA 48+70.00
PVI EL1219.75

PVT STA 48+95.00
PVT EL1217.72

PVC STA 48+96.87
PVC EL1217.57

PVI STA 49+16.87
PVI EL1215.95

PVI STA 49+36.87
PVI EL1215.25

PVI STA 49+66.52
PVI EL1215.75

PVI STA 49+85.04
PVI EL1215.33

PVC STA 49+90.00
PVC EL1215.23

PVI STA 50+10.00
PVI EL1214.85

PVT STA 50+30.00
PVT EL1214.95

PVOT STA 50+40.00
PVOT EL1215.00

EXISTING ℄ PROFILE

FINISHED ℄ PROFILE

STA 49+09.21
1-30"X88'CPRC CLASS III SKEW 9° LHF REQ'D
WITH 30" CPRC AEW'S
INLET: 1209.85'
OUTLET: 1208.31'
S: 1.75%

EXISTING ℄ ELEVATIONS

FINISHED ℄ ELEVATIONS

1213.72 1214.22 1214.80 1214.94 1215.40 1216.08 1216.15 1217.82 1217.48 1219.43 1219.05 1220.26 1219.92 1220.34 1216.95 1217.32 1215.03 1215.47 1214.70 1215.08 1215.09 1215.59

45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00

PROJECT NO: 6350-07-77	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE - NORTH ROAD	SHEET 210	E

CURVE DATA
DELTA = 62°53'09" (RT)
T = 91.71
L = 164.63
R = 150.00
PISTA = 101+24.56
PIY = 537874.857
PIX = 683254.355
SE = N.C.

PI 101+24.56

STA 101+64 LT
CONSTRUCT ASPH PE
MATCH EXISTING
SAWCUT REQ'D

PACKERLAND
BROADBAND/
ALLIANT ENERGY/
TDS (TYP)

N

CONCRETE SIDEWALK
4-INCH

VILLAGE OF
AUBURNDALE (TYP)

WE ENERGIES (TYP)

BM 12

301+00

CTH P

302+00

303+00

304+00

305+00

306+00

S 77°45'26" E

PC 100+32.85

PT 101+97.48

N 89°07'44" E

CONNOR STREET

102+00

103+00

104+00

PI 104+37.57

END CONSTRUCTION
STA 102+24.91
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT (TYP)

DENTAL CLINIC
5648

GAR

HSE
5640

GAR

HSE
5634

GAR

SHED

X = REMOVE TREE

SOLARUS

KDL

VILLAGE OF
AUBURNDALE

STA 303+62.98 CTH P =
STA 100+00.00 CONNOR ST
SEE INTERSECTION DETAIL

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
12	301+86.39, 31.6'LT	TOP SOUTH END WEST LIFT STATION STRUCTURE	1221.50

50' VC
K = 25.28

50' VC
K = 50.00

K = 29.41
50' VC

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

-1.94%
-0.48%
+2.50%

PVOT STA 100+00.00
PVOT EL1220.73

PVISTA 100+16.49
PVIEL1220.41

PVC STA 100+25.00
PVC EL1220.37

PVI STA 100+50.00
PVIEL1220.25

PVC STA 100+75.00
PVC EL1220.63

PVISTA 101+00.00
PVIEL1221.00

PVT STA 101+25.00
PVT EL1221.63

PVC STA 101+75.00
PVC EL1222.88

PVI STA 102+00.00
PVIEL1223.50

PVT STA 102+25.00
PVT EL1223.70

PVOT STA 102+25.00
PVOT EL1223.70

EXISTING ℄ ELEVATIONS
1220.78
1220.16
1220.84
1221.97
1223.34
1224.37
1224.75
1225.14
1225.79

FINISHED ℄ ELEVATIONS
1220.73
1220.37
1221.06
1222.25
1223.39

1235
1230
1225
1220
1215
1210
1205
1200

100+00
101+00
102+00
103+00
104+00

PROJECT NO: 6350-07-77	HWY: USH 10	COUNTY: WOOD	PLAN AND PROFILE - CONNOR STREET	SHEET 211	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\050120 pp.dgn
PLOT TIME : 9:34:34 AM
PLOT DATE : 10/26/2015
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

WISDOT/CADDS SHEET 40

EXISTING R/W

STA. 9+99.44'A' =
STA. 215+74.15 CTH P
Y=536,502.50
X=677347.60

CAUTION

EXISTING SANITARY SEWER LINE

SAWCUT REQ'D

ASPHALT FLUME REQ'D

TYPE D INTERSECTION REQ'D

R/W

TLE

SLOPE INTERCEPT

46 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.43%
2 - STEEL APRON ENDWALLS, 18-INCH
STA. 18+77.0'A', 32.71' LT. - I.E. = 1213.99
STA. 19+23.0'A', 32.71 LT. - I.E. = 1213.79

STA. 19+00'A', LT
BASE AGG, FE REQ'D

N

MATCH LINE STA. 25+00

80'

N88°58'28"E

R/W

TLE

SLOPE INTERCEPT

ASPHALT FLUME REQ'D

BEGIN RECONSTRUCTION STATION 10+13.04

STA. 10+75.7'A', 0° SKEW
56 LF - CULVERT PIPE, REINFORCED CONCRETE
CLASS III, 24 - INCH @ 0.48%
2 - RCP APRON ENDWALLS, 24 - INCH
27 LT. - I.E. = 1217.18
29 RT. - I.E. = 1216.91

40 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.50%
2 - STEEL APRON ENDWALLS, 18 - INCH
STA.18+80.0'A', 32.52' RT. - I.E. = 1214.06
STA. 19+20.0'A', 32.52' RT. - I.E. = 1213.86

STA. 19+00'A', RT
BASE AGG, FE REQ'D

STA. 23+18.5'A', STA. 23+25.0'A', STA. 23+31.5'A', 0° SKEW
3 - 59 LF - CULVERT PIPE, REINFORCED CONCRETE
HORIZONTAL ELLIPTICAL CLASS HE-III,
29X45 - INCH @ 0.17%
AND CONCRETE MASONRY ENDWALL
29.3' LT. - I.E. = 1212.10
29.3' RT. - I.E. = 1212.00

P/L

CTH P

STA 10+00.00
EL 1221.80

STA 10+14.04
EL 1222.54

VPI STA 10+75.00
VPI EL 1223.14

VPT STA 11+25.00
VPT EL 1222.89

5.24%

0.98%

FINISHED PROFILE

-0.51%

VPC STA 10+25.00
VPC EL 1222.65

EXISTING PROFILE

VCL = 100.00
K = 67.06

VCL = 170.00
K = 183.87

VPC STA 21+15.00
VPC EL 1217.85

VPI STA 22+00.00
VPI EL 1217.42

VPT STA 22+85.00
VPT EL 1217.77

0.42%

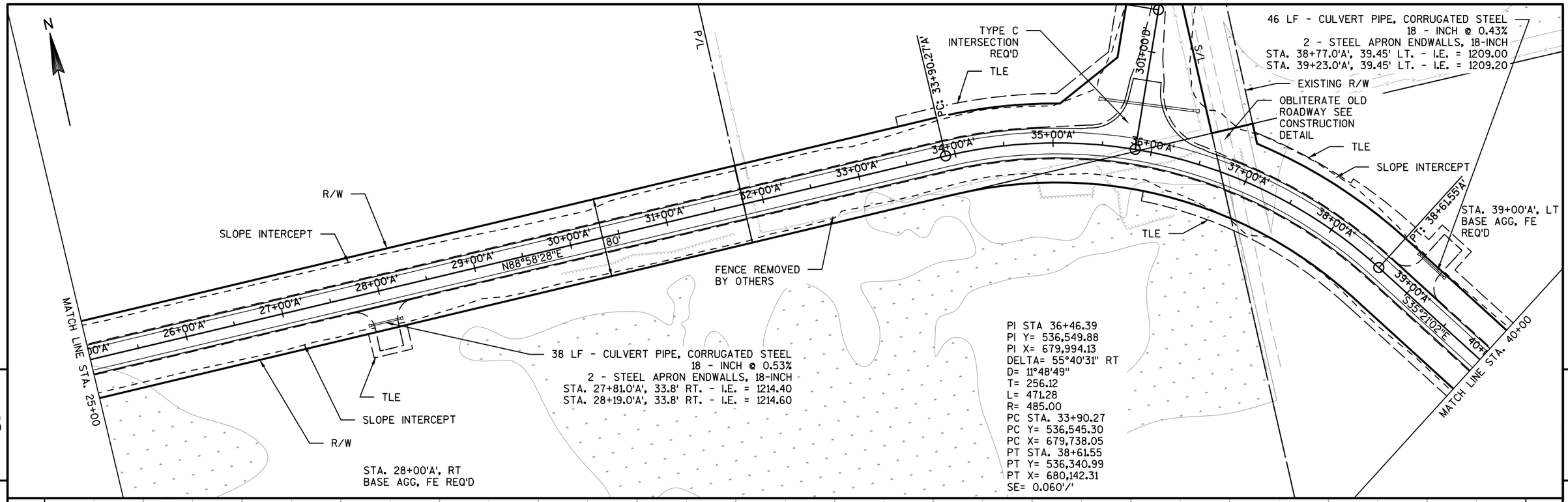
1221.80 1221.80 | 1218.74 1222.85 | 1217.50 1222.97 | 1217.74 1222.76 | 1217.83 1222.50 | 1217.78 1222.25 | 1217.99 1222.00 | 1217.87 1221.74 | 1217.93 1221.49 | 1217.87 1221.23 | 1217.90 1220.98 | 1217.97 1220.72 | 1217.93 1220.47 | 1217.93 1220.22 | 1217.98 1219.96 | 1217.90 1219.71 | 1217.70 1219.45 | 1217.42 1219.20 | 1217.00 1218.95 | 1216.61 1218.69 | 1216.32 1218.44 | 1215.95 1218.18 | 1215.12 1217.93 | 1214.21 1217.71 | 1213.55 1217.62 | 1213.16 1217.66 | 1212.84 1217.84 | 1212.59 1218.04 | 1212.54 1218.25 | 1212.70 1218.46 | 1212.85 1218.67

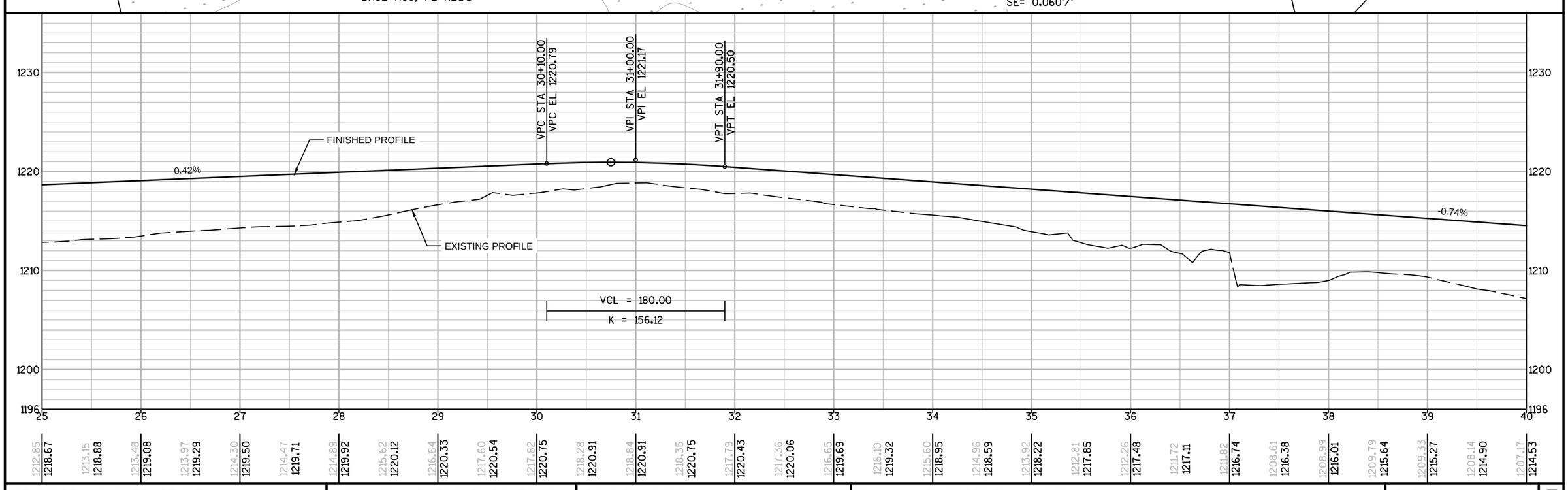
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PLAN AND PROFILE: A-LINE	SHEET 212 E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\050101_PP.DWG
LAYOUT NAME - 050101_PP

PLOT DATE : 10/14/2015 10:00 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PLAN AND PROFILE: A-LINE	SHEET 213 E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\050101_PP.DWG
LAYOUT NAME - 050102_PP
PLOT DATE : 10/14/2015 10:00 AM
PLOT BY : SHAWN DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

PI STA 47+63.11
PI Y= 535,605.65
PI X= 680,663.93
DELTA= 55°31'39" LT
D= 6°52'42"
T= 438.52
L= 807.29
R= 833.00
PC STA. 43+24.59
PC Y= 535,963.32
PC X= 680,410.22
PT STA. 51+31.88
PT Y= 535,612.37
PT X= 681,102.40
SE= 0.052'/'

MATCH LINE STA. 40+00

MATCH LINE STA. 55+00

TLE

TLE

TLE

TLE

SLOPE INTERCEPT

R/W

TLE

R/W

SLOPE INTERCEPT

EXISTING R/W

TYPE C INTERSECTION REQ'D

STA. 49+00'A', LT
BASE AGG, FE REQ'D

STA. 49+00'A', RT
BASE AGG, FE REQ'D

40 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.50%
2 - STEEL APRON ENDWALLS, 18-INCH
STA. 48+80.0'A', 32' LT. - I.E. = 1200.63
STA. 49+20.0'A', 32' LT. - I.E. = 1200.43

34 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.60%
2 - STEEL APRON ENDWALLS, 18-INCH
STA. 48+83.0'A', 34.7' RT. - I.E. = 1202.55
STA. 49+17.0'A', 34.7' RT. - I.E. = 1202.35

STA. 40+50.0'A', 0° SKEW
68 LF - CULVERT PIPE, REINFORCED CONCRETE
CLASS III, 24 - INCH @ 0.99%
2 - RCCP APRON ENDWALLS, 24 - INCH
35.35' LT. - I.E. = 1205.38
32.65' RT. - I.E. = 1206.05

STA. 54+49.9'A', STA. 54+60.0'A', STA. 54+70.1'A', 0° SKEW
3 - 62 LF - CULVERT PIPE, REINFORCED CONCRETE
PIPE ARCH CLASS III, 45X73 - INCH @ 0.33% AND
CONCRETE MASONRY ENDWALL
31' LT. - I.E. = 1190.00
31' RT. - I.E. = 1189.80

PT: 51+31.88'A'

S35°21'02"E

N89°07'19"E

80'

N

40'

40'

40'

PI STA 58+87.31
PI Y= 535,623.95
PI X= 681,857.73
DELTA= 36°29'03" LT
D= 11°48'49"
T= 159.86
L= 308.83
R= 485.00
PC STA. 57+27.45
PC Y= 535,621.50
PC X= 681,697.90
PT STA. 60+36.29
PT Y= 535,720.96
PT X= 681,984.79
SE= 0.060'/'

MATCH LINE STA. 55+00

TLE

SLOPE INTERCEPT

R/W

PC: 57+27.45'A'

PT: 60+36.29'A'

PC: 64+02.71'A'

TLE

EXISTING R/W

SAWCUT REQ'D

ASPHALT FLUME REQ'D

PT: 67+08.54'A'

EP: 68+29.25'A'
Y=536,045.32
X=682,680.60

55+00'A'

56+00'A'

N89°07'19"E

57+00'A'

58+00'A'

59+00'A'

60+00'A'

61+00'A'

80'

62+00'A'

N52°38'16"E

63+00'A'

64+00'A'

65+00'A'

66+00'A'

67+00'A'

N88°46'05"E

68+00'A'

SLOPE INTERCEPT

ASPHALT FLUME REQ'D

TYPE D INTERSECTION REQ'D

ASPHALT FLUME REQ'D

EXISTING R/W

R/W

TLE

36 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.56%
2 - STEEL APRON ENDWALLS, 18-INCH
STA. 62+82.0'A', 30.25' RT. - I.E. = 1201.31
STA. 63+18.0'A', 30.25' RT. - I.E. = 1201.11

TLE

EXISTING R/W

STA. 63+00'A', RT
BASE AGG, FE REQ'D

PI STA 65+60.90
PI Y= 536,039.32
PI X= 628,401.76
DELTA= 36°07'49" LT
D= 11°48'49"
T= 158.20
L= 305.84
R= 485.00
PC STA. 64+02.71
PC Y= 535,943.32
PC X= 682,276.03
PT STA. 67+08.54
PT Y= 536,042.73
PT X= 682,559.92
SE= 0.060'/'

N

NORTH ROAD

EXISTING R/W

END RECONSTRUCTION STATION 68+15.35

5

5

1220
1210
1200
1190
1186

VCL = 400.00
K = 132.98

VPT STA 56+60.00
VPT EL 1198.10

FINISHED PROFILE

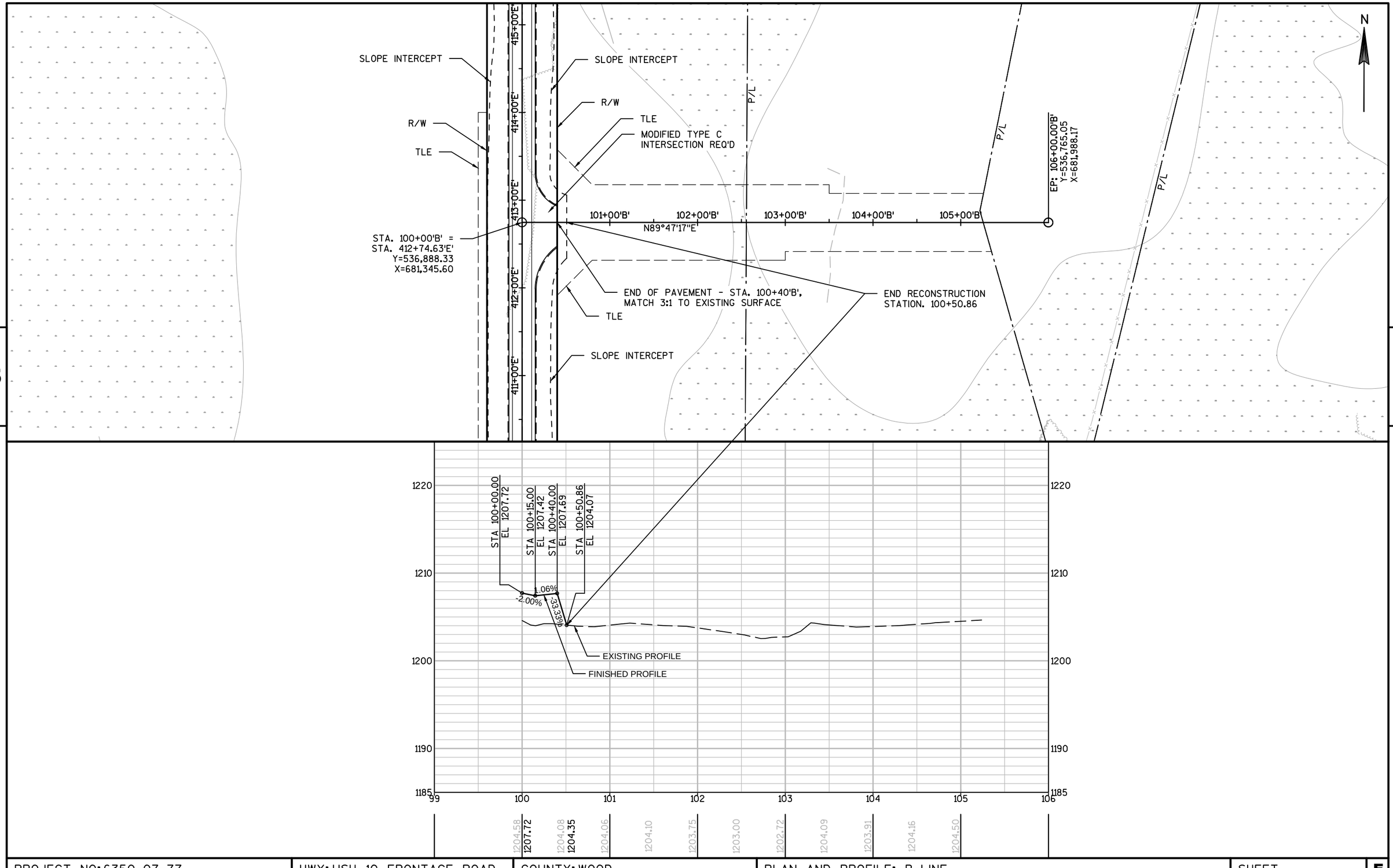
1.15%

EXISTING PROFILE

STA 68+29.25
EL 1211.52

55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

| | | |



5

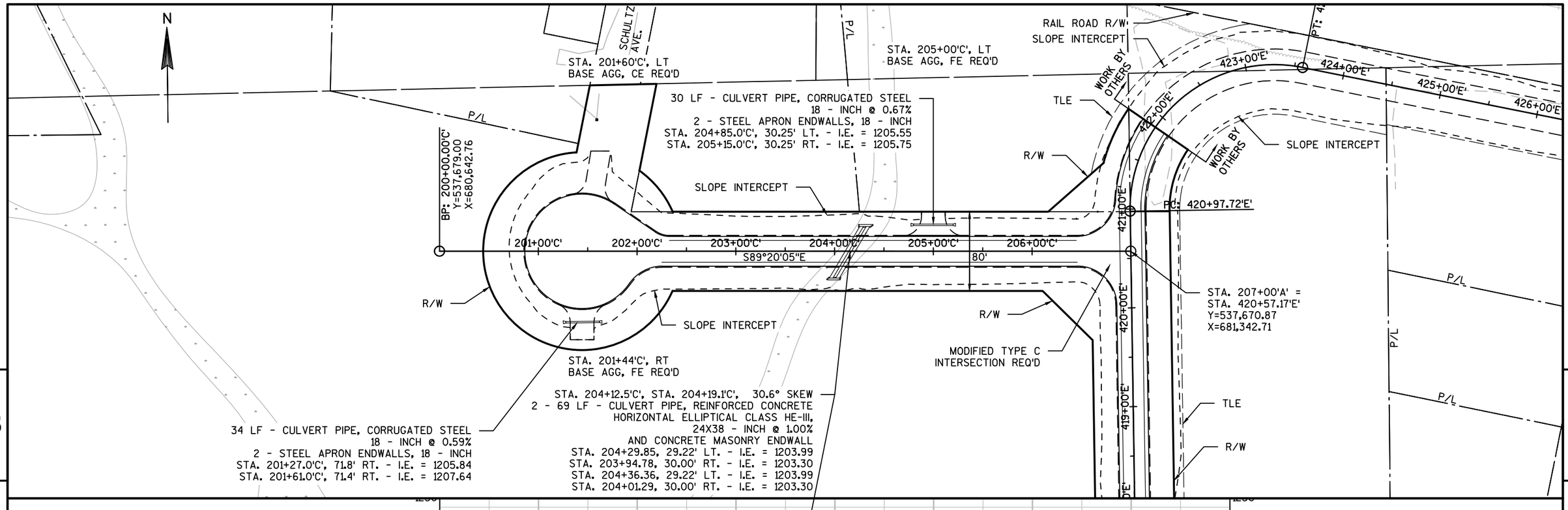
5

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PLAN AND PROFILE: B-LINE	SHEET 216	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\050105_PP.DWG
LAYOUT NAME - 050105_PP

PLOT DATE : 10/21/2015 2:49 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PLAN AND PROFILE: C-LINE	SHEET 217	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\050106_PP.DWG
LAYOUT NAME - 050106_PP

PLOT DATE : 10/14/2015 10:03 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

PI STA 302+37.26
PI Y= 536,730.93
PI X= 680,015.09
DELTA= 21°57'19" LT
D= 11°48'49"
T= 94.08
L= 185.85
R= 485.00
PC STA. 301+43.18
PC Y= 536,643.59
PC X= 679,980.14
PT STA. 303+29.03
PT Y= 536,825.01
PT X= 680,014.86
SE= 0.060'/'

STA. 303+50'D', LT
BASE AGG, FE REQ'D

46 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.44%
2 - STEEL APRON ENDWALLS, 18 - INCH
STA. 303+30.0'D', 18.94' LT. - I.E. = 1212.33
STA. 303+70.0'D', 18.94' LT. - I.E. = 1212.53

N

PC: 33+90.27'A'
34+00'A'
35+00'A'
36+00'A'
37+00'A'
38+00'A'
39+00'A'
TLE
R/W
TYPE C
INTERSECTION REQ'D
PC: 301+43.18'D'
PT: 303+29.03'D'
RELOCATED
FIELD ENTRANCE
SLOPE INTERCEPT
EXISTING R/W
MATCH LINE STA. 310+00
301+00'D'
302+00'D'
303+00'D'
304+00'D'
305+00'D'
306+00'D'
307+00'D'
308+00'D'
309+00'D'
310+
N21°48'41"E
N0°08'38"W
FUEHRER AVENUE
66'
STA. 300+00'D' =
STA. 35+83.58'A'
Y=536,510.66
X=679,926.94
FENCE REMOVED BY OTHERS
OBLITERATE OLD ROADWAY
SEE OBLITERATION DETAIL FOR FUEHRER AVE
40 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.51%
2 - STEEL APRON ENDWALLS, 18 - INCH
STA. 303+30.0'D', 21.97' RT. - I.E. = 1212.02
STA. 303+70.0'D', 21.97' RT. - I.E. = 1212.22
90 LF - CULVERT PIPE, REINFORCED CONCRETE
CLASS III, 24 - INCH @ 0.62%
2 - RCP APRON ENDWALLS, 24 - INCH
STA. 300+45.0'D', 38.5' LT. - I.E. = 1210.58
STA. 300+48.3'D', 51.4' RT. - I.E. = 1210.02
STA. 303+50'D', RT
BASE AGG, FE REQ'D
END
RECONSTRUCTION
STATION 305+50.00

STA 300+00.00
EL 1217.61
STA 300+15.00
EL 1218.51
STA 305+50.00
EL 1215.56
6.00%
-0.55%
FINISHED PROFILE
EXISTING PROFILE

1230
1220
1210
1200
1195
299 300 301 302 303 304 305 306 307 308 309 310

1212.39 1217.61 1212.77 1218.32 1213.35 1218.04 1213.60 1217.77 1214.28 1217.49 1215.43 1217.22 1216.19 1216.94 1216.65 1216.66 1216.72 1216.39 1216.51 1216.11 1216.26 1215.84 1215.56 1215.56 1215.09 1214.60 1214.04 1213.24 1212.62 1212.00 1211.66 1211.29 1210.90

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PLAN AND PROFILE: FUEHRER AVE. - D-LINE	SHEET 218	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\SHEETPLAN\050107_PP.DWG
LAYOUT NAME - 050107_PP
PLOT DATE : 10/14/2015 10:04 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:100 FT

PI STA 315+22.39
PI Y= 538,041.94
PI X= 680,011.22
DELTA= 26°31'35" LT
D= 57°17'45"
T= 23.57
L= 46.30
R= 100.00
PC STA. 315+22.39
PC Y= 538,018.37
PC X= 680,011.86
PT STA. 315+68.69
PT Y= 538,063.00
PT X= 680,001.22
SE= 0.000'/'

N

RAIL ROAD R/W

R/W

SLOPE INTERCEPT

EXISTING R/W

BEGIN DITCH GRADING
STATION 313+62'D'

TLE

PT: 315+68.69'D'

EP: 318+00.00'D
Y=538,063.39
X=679,989.39

STA. 316+82'D',
BASE AGG, FE REQ'D

CTH P

MATCH LINE STA. 310+00

310+00'D'
311+00'D'
312+00'D'
313+00'D'
314+00'D'
315+00'D'
316+00'D'
317+00'D'

N0°08'38"W

N26°40'13"W

FUEHRER AVENUE

EXISTING R/W

EXISTING R/W

BEGIN DITCH GRADING
STATION 313+25'D'

P/L

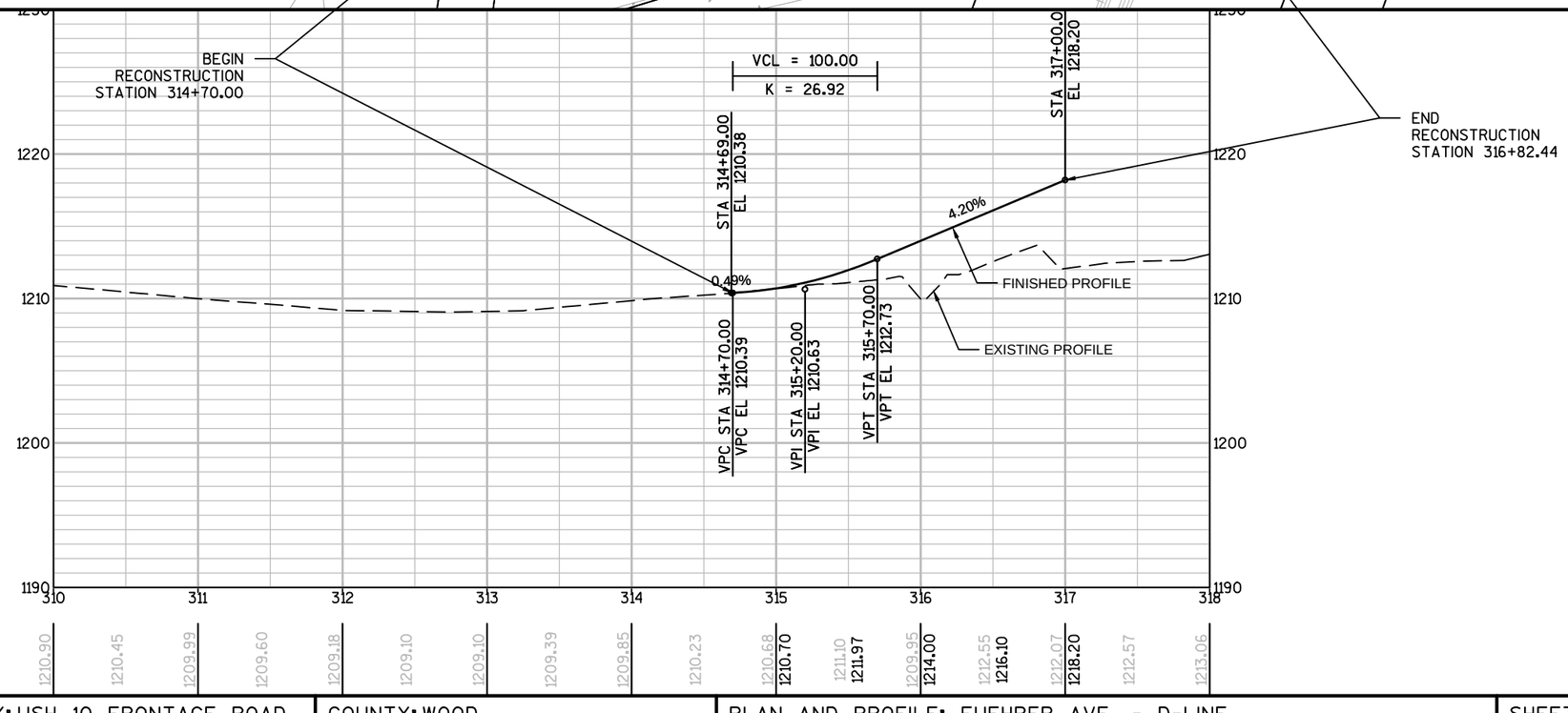
PC: 315+22.39'D'

SLOPE INTERCEPT

EXISTING R/W

STA. 315+28'D', RT
BASE AGG, CE REQ'D

40 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.51%
2 - STEEL APRON ENDWALLS, 18 - INCH
STA. 315+08'D', 18.9' RT. - I.E. = 1207.69
STA. 315+48'D', 22.7' RT. - I.E. = 1207.89



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PLAN AND PROFILE: FUEHRER AVE. - D-LINE	SHEET 219	E

PT: 51+31.88'A'

R/W

TLE

STA. 400+00'E' =
STA. 53+40.38'A'
Y=535,615.57
X=681,310.87

TYPE C INTERSECTION REQ'D

PI STA 405+65.40
PI Y= 536,180.97
PI X= 681,308.43
DELTA= 6°32'35" RT
D= 5°32'48"
T= 59.05
L= 117.97
R= 1033.00
PC STA. 405+06.36
PC Y= 536,121.92
PC X= 681,308.69
PT STA. 406+24.32
PT Y= 536,239.66
PT X= 681,314.91
SE= 0.048'/'

SLOPE INTERCEPT

PC: 405+06.36'E'

PT: 406+24.32'E'

TLE

R/W

PC: 408+57.60'E'

STA. 409+75'E', LT
BASE AGG, FE REQ'D

40 LF - CULVERT PIPE, CORRUGATED STEEL
18 - INCH @ 0.50%
2 - STEEL APRON ENDWALLS, 18 - INCH
STA. 409+55.0'E', 33.4' LT. - I.E. = 1200.52
STA. 409+95.0'E', 33.4' LT. - I.E. = 1200.72

N

MATCH LINE STA. 415+00

52+00'A'

53+00'A'

54+00'A'

55+00'A'

401+00'E'

402+00'E'

403+00'E'

404+00'E'

405+00'E'

406+00'E'

407+00'E'

408+00'E'

409+00'E'

410+00'E'

411+00'E'

412+00'E'

413+00'E'

414+00'E'

415+

N0°14'51"W

80'

N6°17'44"E

N0°12'43"W

R/W

TLE

FENCE REMOVED
BY OTHERS

TLE

PI STA 409+16.32
PI Y= 536,529.90
PI X= 681,346.93
DELTA= 6°30'27" LT
D= 5°32'48"
T= 58.73
L= 117.32
R= 1033.00
PC STA. 408+57.60
PC Y= 536,471.53
PC X= 681,340.49
PT STA. 409+74.92
PT Y= 536,588.62
PT X= 681,346.71
SE= 0.048'/'

PT: 409+74.92'E'

SLOPE INTERCEPT

MODIFIED TYPE C
INTERSECTION REQ'D

TLE

101+00'B'

102+00'B'

R/W

TLE

SLOPE INTERCEPT

STA. 401+02.7'E', STA. 401+09.5'E', STA. 401+16.34'E', 0° SKEW
2 - 64 LF - CULVERT PIPE, REINFORCED CONCRETE
CLASS III, 48 - INCH @ 0.16%
AND CONCRETE MASONRY ENDWALL
32.75' LT. - I.E. = 1191.22
31.25' RT. - I.E. = 1191.12

5

5

VPC STA 406+80.00
VPC EL 1204.46

VPI STA 407+40.00
VPI EL 1205.05

VPT STA 408+00.00
VPT EL 1205.35

FINISHED PROFILE

EXISTING PROFILE

0.50%

0.98%

-2.00%

STA 400+00.00
EL 1198.27

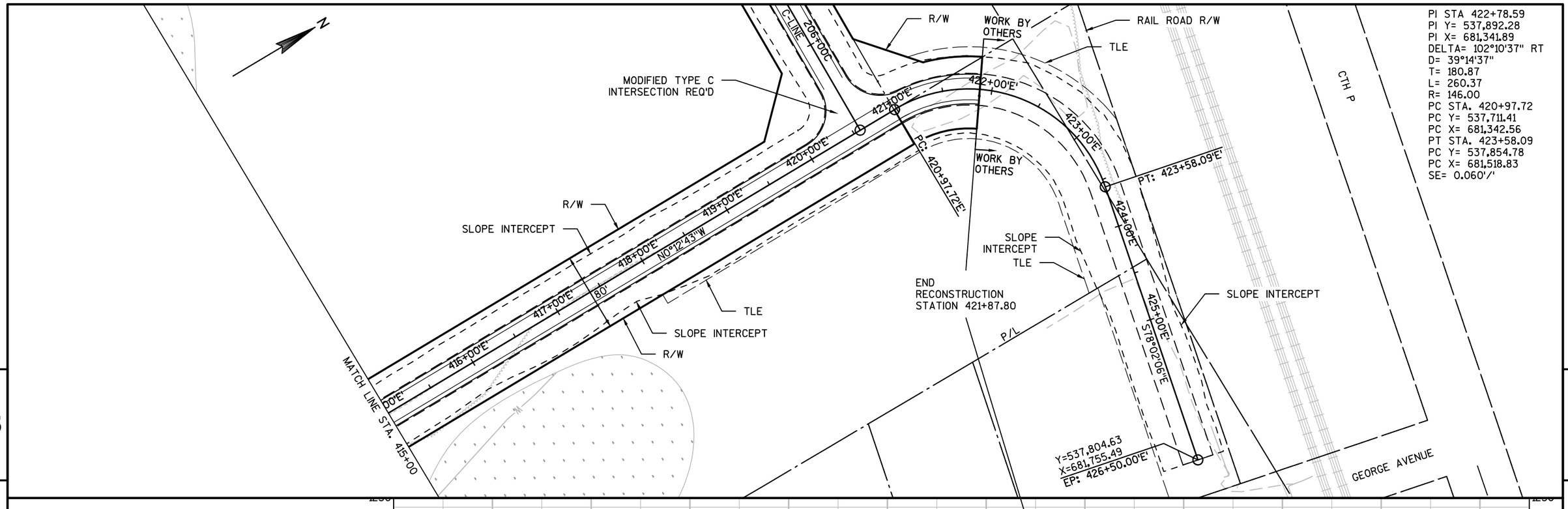
STA 400+15.00
EL 1197.97

VCL = 120.00
K = 251.81

1220
1210
1200
1190
1180

400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415

| | | |



5

5

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	PLAN AND PROFILE: E-LINE	SHEET 221	E

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-01	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D03-06	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-16A	CURB RAMPS TYPES 1 AND 1-A
08D05-16B	CURB RAMPS TYPES 2 AND 3
08D05-16C	CURB RAMPS TYPES 4A AND 4A1
08D05-16D	CURB RAMPS TYPE 4B AND 4B1
08D05-16E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
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
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E01-14E	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)
09E01-14G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
14B42-03A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-04A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-12A	PAVEMENT MARKING SYMBOLS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C29-03A	BICYCLE LANE MARKING
15C29-03E	PAVEMENT MARKING FOR BIKE LANES
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING

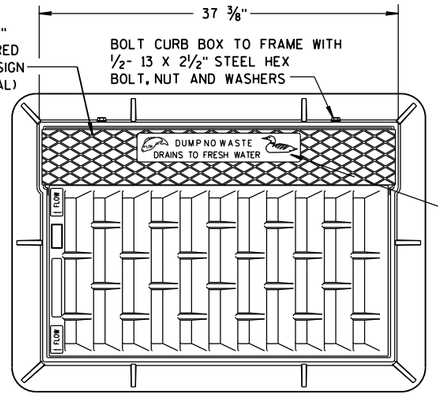
6

Standard Detail Drawing List

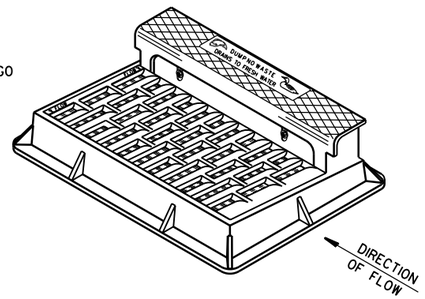
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-02B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-02C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

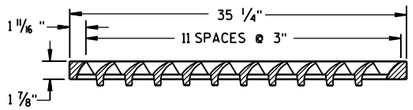
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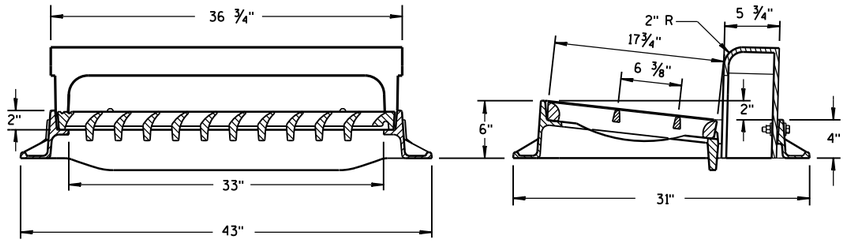


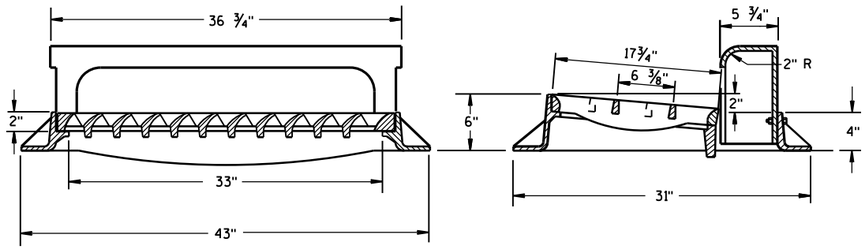
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

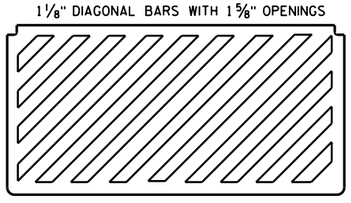






TYPE "H"

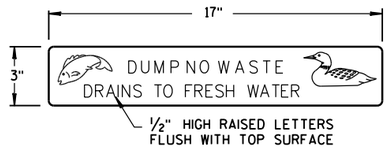
NOTE: EITHER CASTING IS ACCEPTABLE



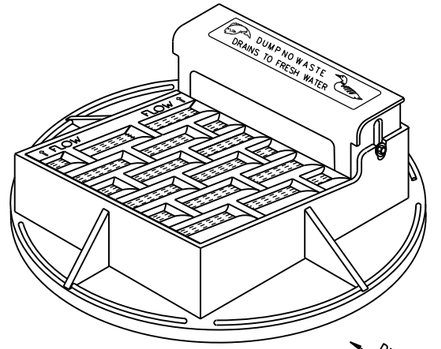
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

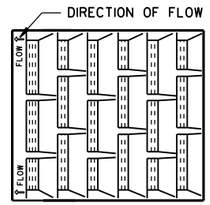
NOTE:
GRATE IS REVERSIBLE.

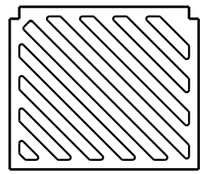
GENERAL NOTES

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

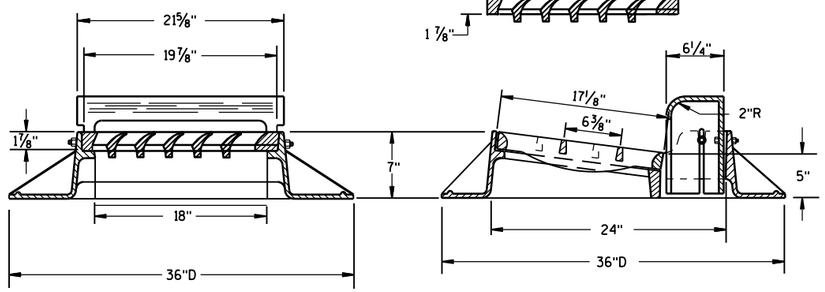




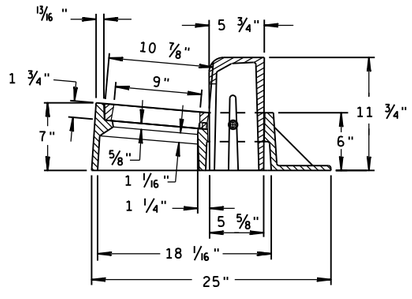
SPECIAL GRATE FOR TYPE "A" COVER

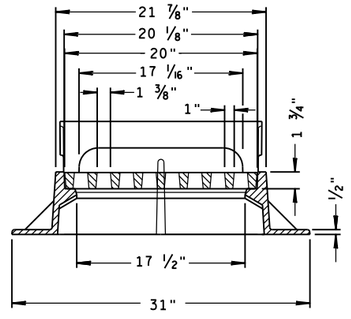
(MEASURES 19 3/4" X 17" X 1 7/8")

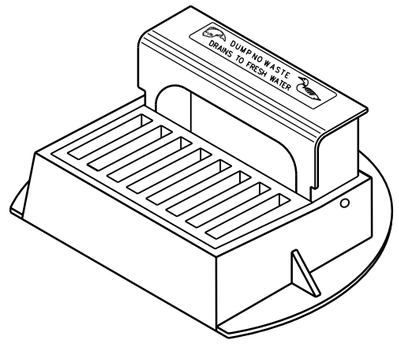
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

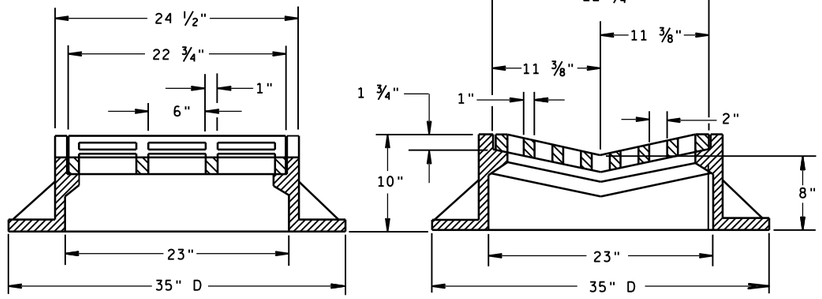
INLET COVERS
TYPE A, H, A-S, H-S & Z

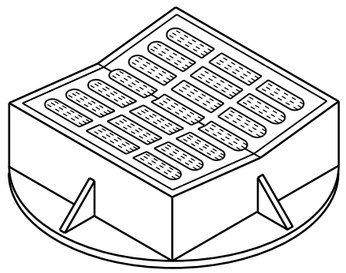
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

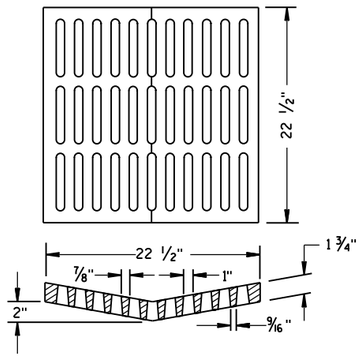
6

S.D.D. 8 A 5-19a



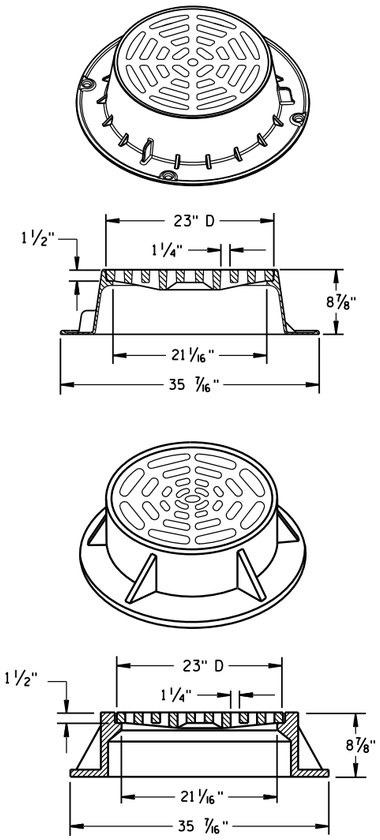


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

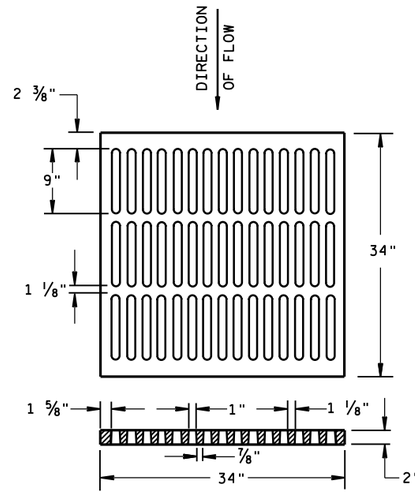
NOTE: EITHER CASTING IS ACCEPTABLE

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.

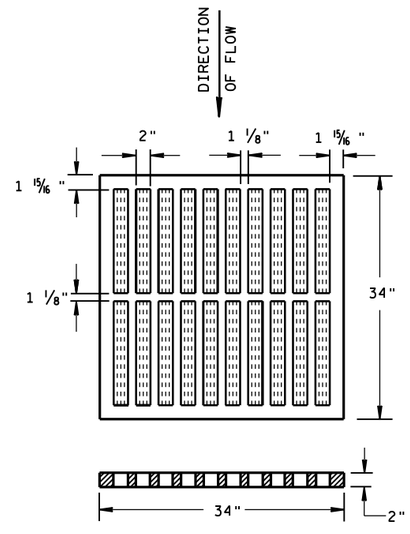
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



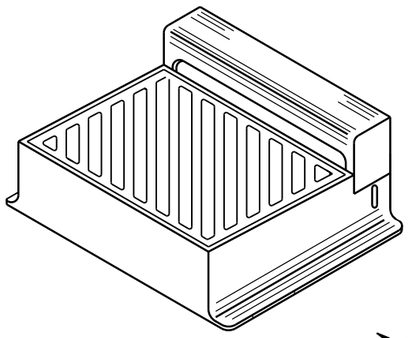
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

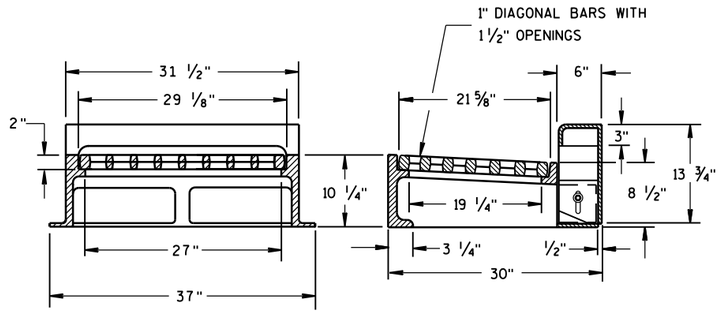


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

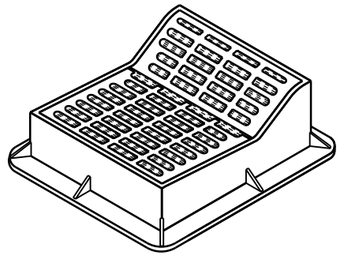
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

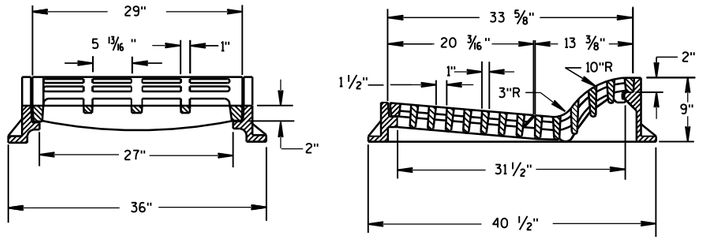
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

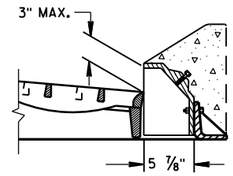
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

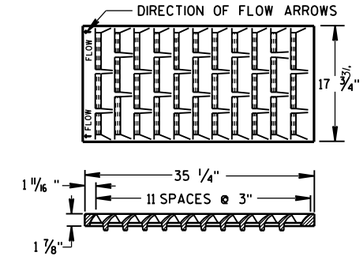
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

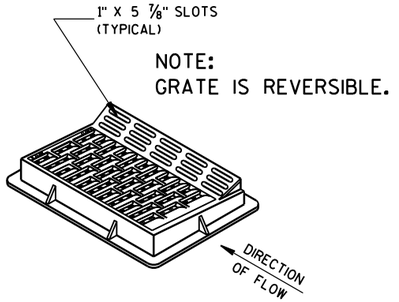
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

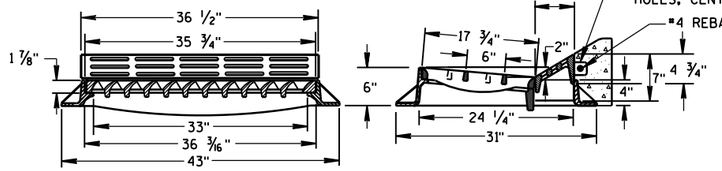
GENERAL NOTES

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



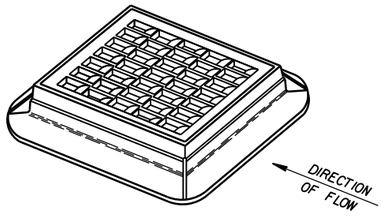


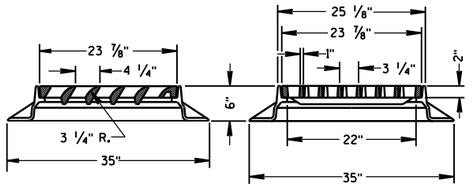


TYPE "HM"

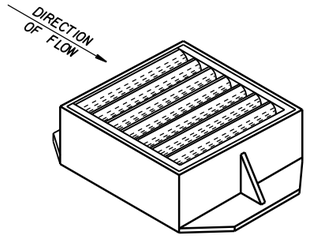
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

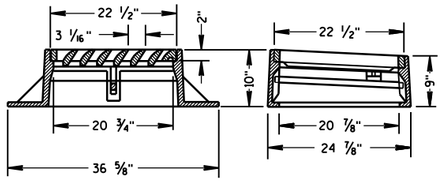
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



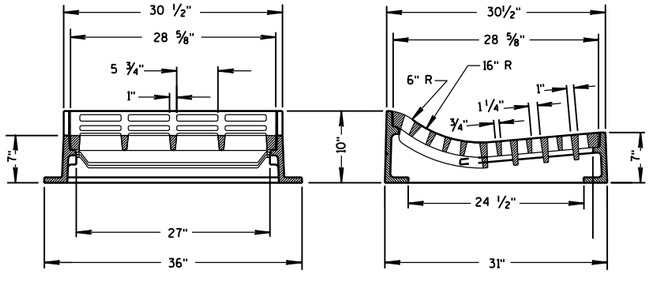


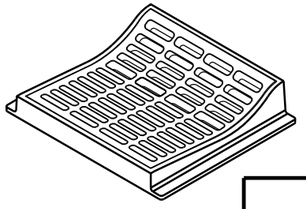
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

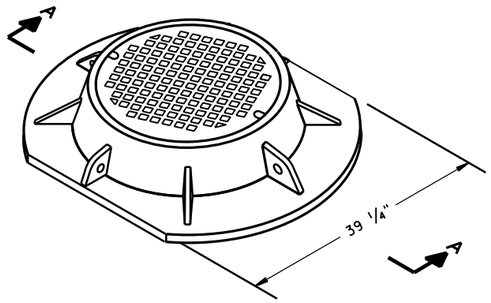
APPROVED
11/27/2013
DATE

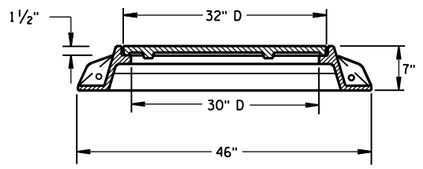
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

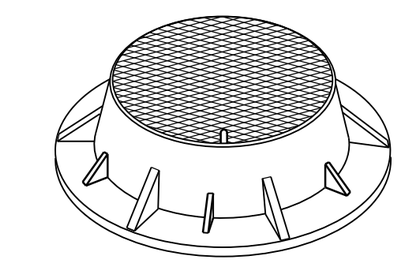
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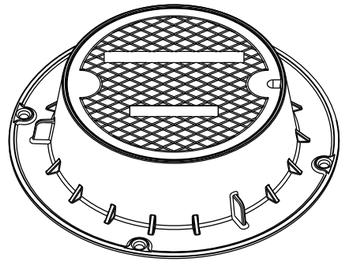
S.D.D. 8 A 5-19c

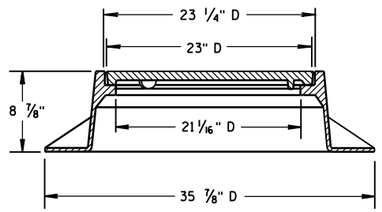


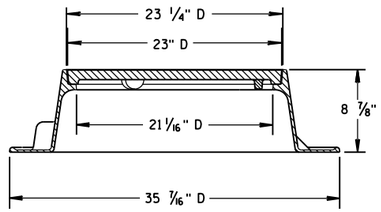


SECTION A-A
TYPE "K"









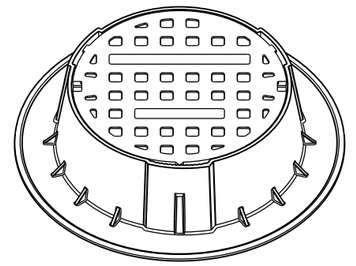
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

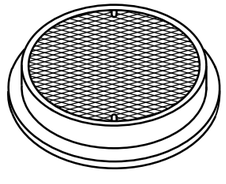
GENERAL NOTES

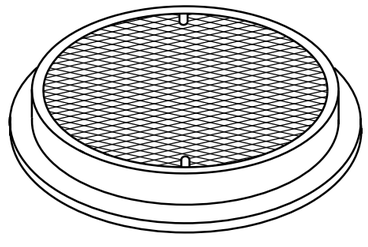
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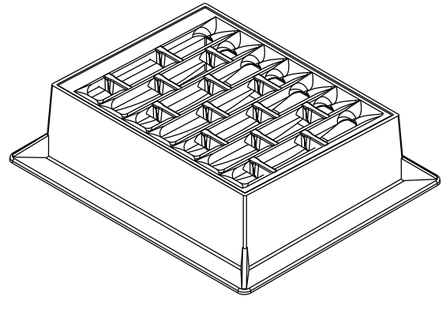
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

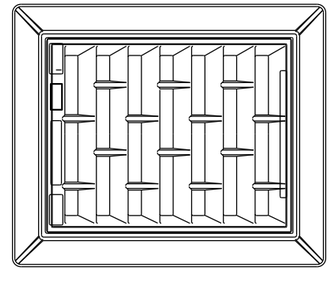
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

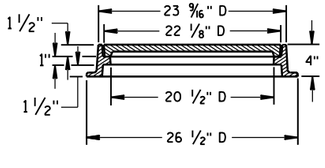




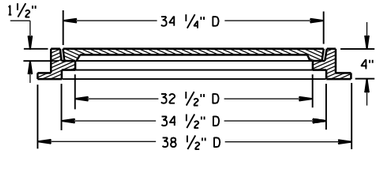




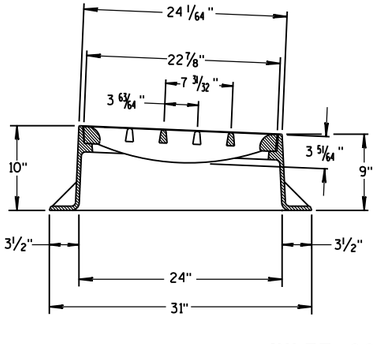


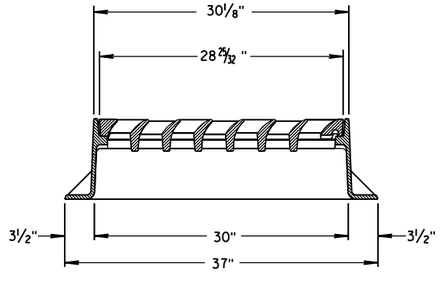


TYPE "L"

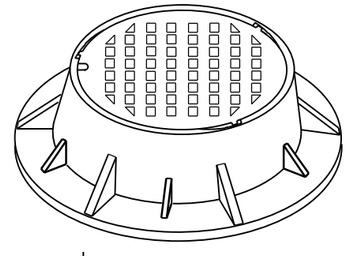


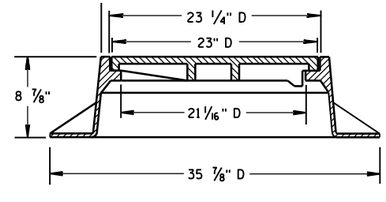
TYPE "M"





INLET COVER TYPE "BW"





TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

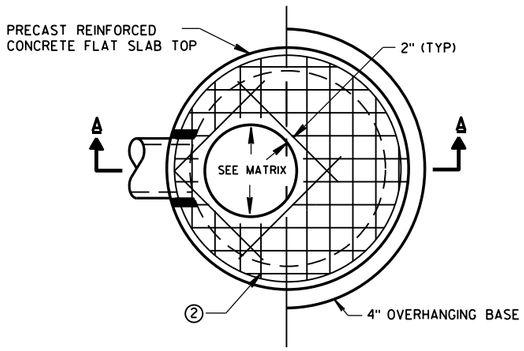
/S/ Jerry H. Zogg
ROADWAY STANDARDS D 227 NT
ENGINEER

6

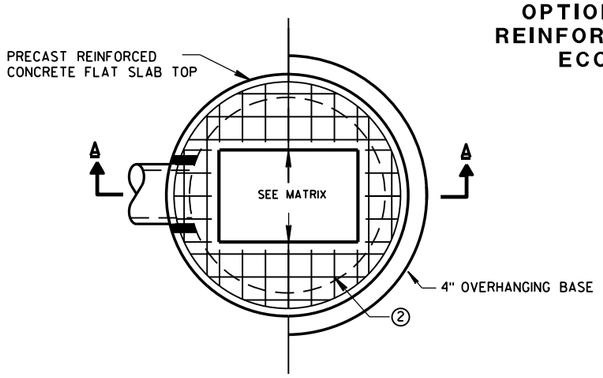
S.D.D. 8 A 5-19d

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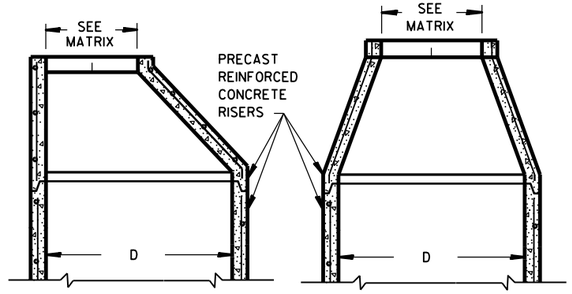
S.D.D. 8 A 5-19d



PLAN VIEW CIRCULAR OPENING

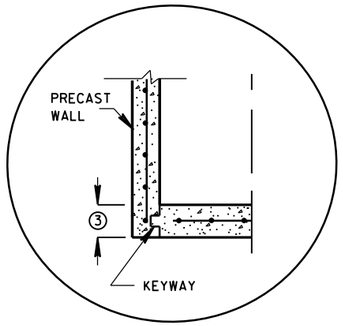


PLAN VIEW RECTANGULAR OPENING

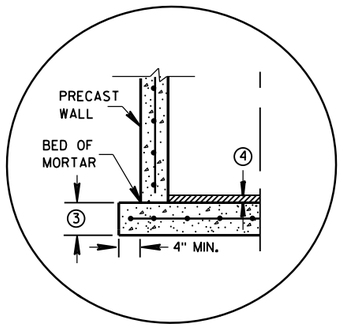


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

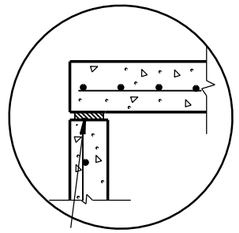


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



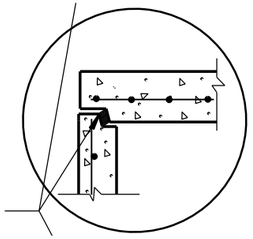
SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

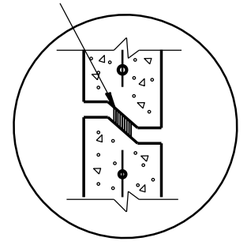


TOP WITH PLAIN END JOINT

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

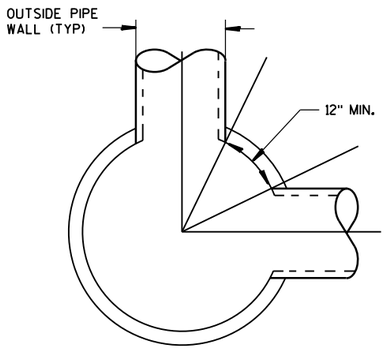


TOP WITH TONGUE AND GROOVE JOINT

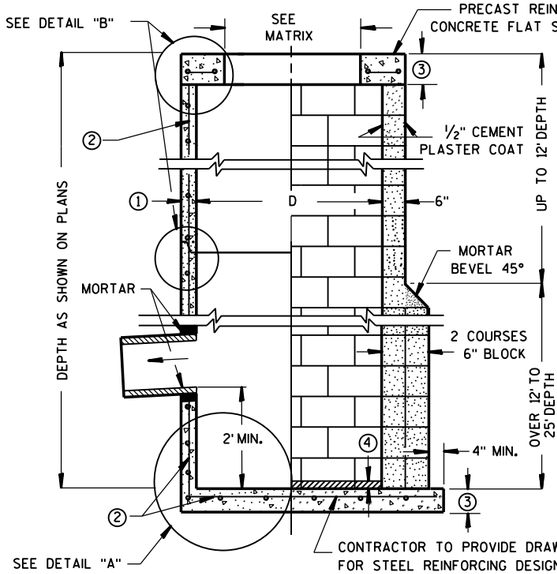


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

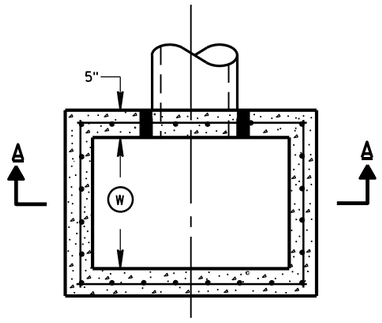
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

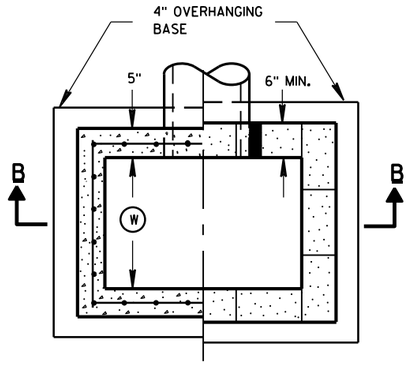
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

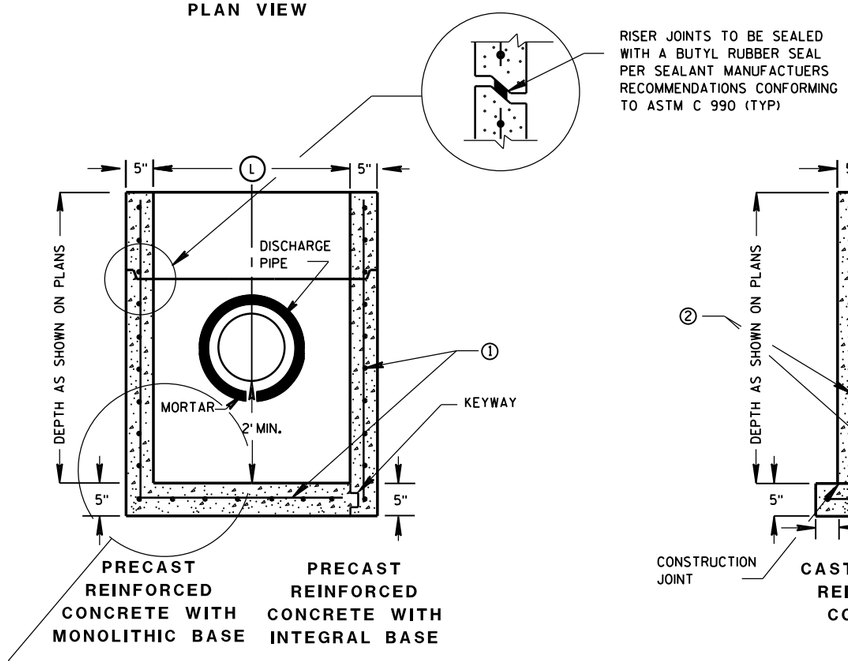
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER



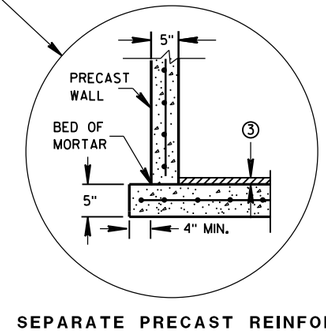
PLAN VIEW



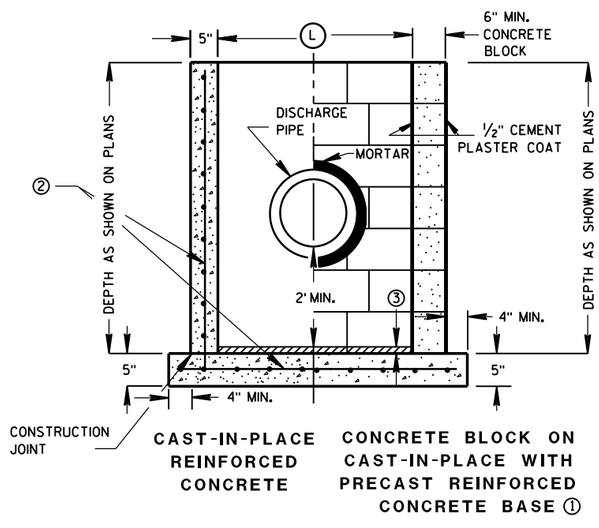
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

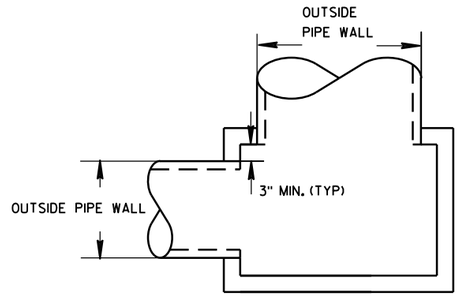
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

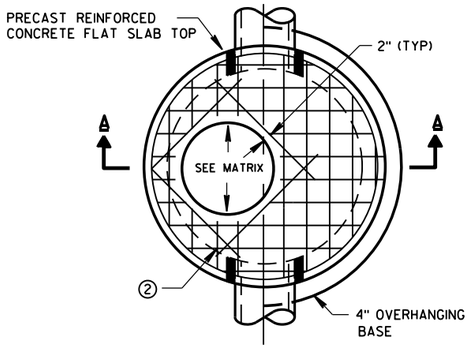
CATCH BASINS 2X3-FT AND 2.5X3-FT

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DEPARTMENT OF TRANSPORTATION

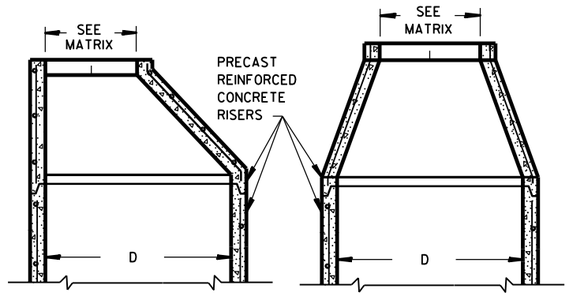
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FHWA

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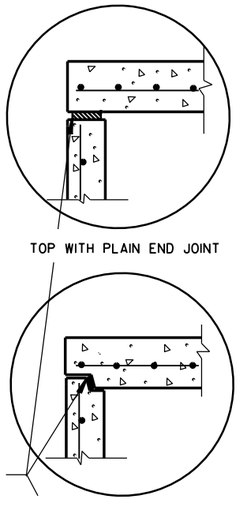


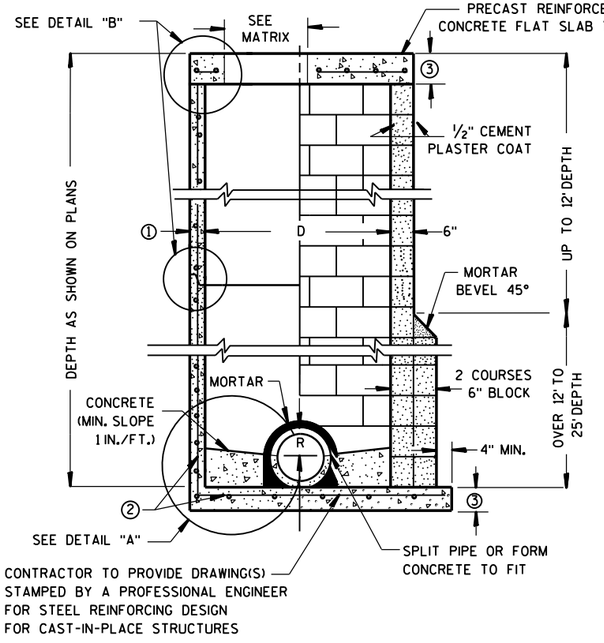
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

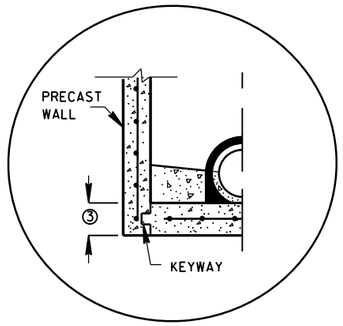
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



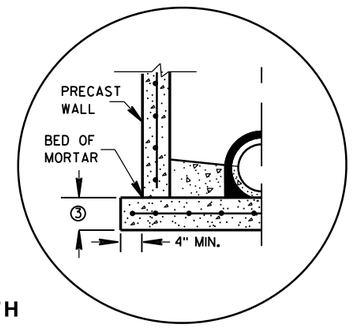


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

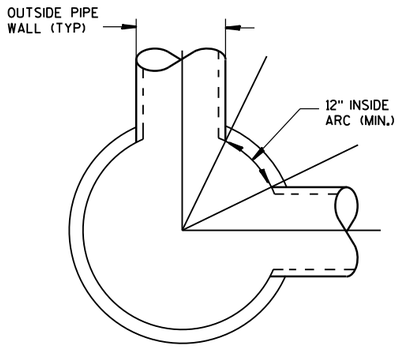


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

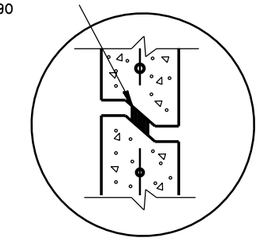


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



DETAIL "B"

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

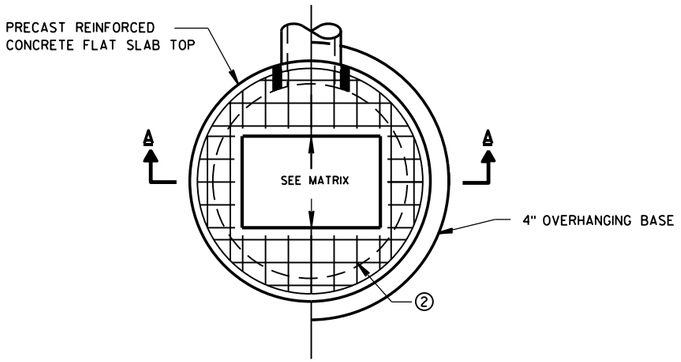
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

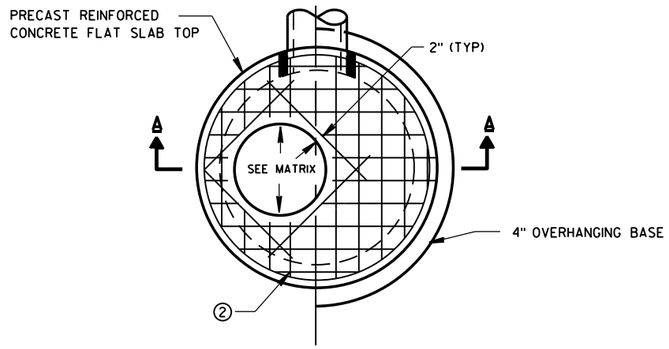
STATE OF WISCONSIN
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FHWA

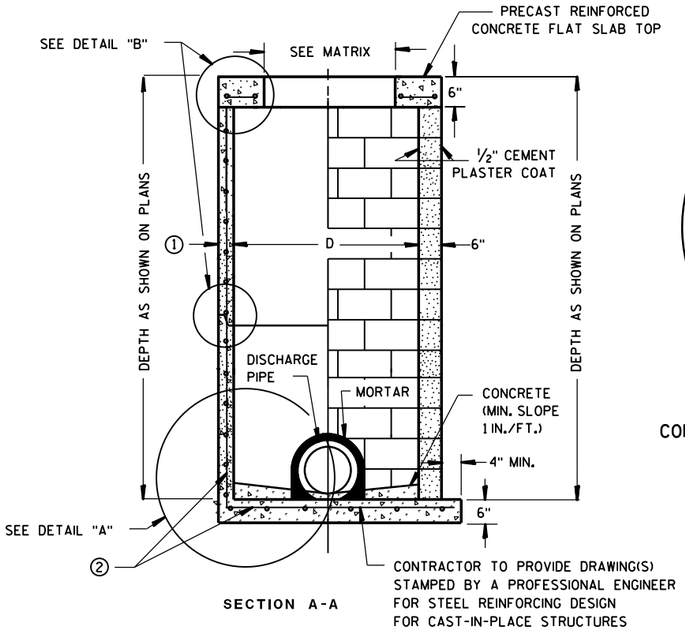
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

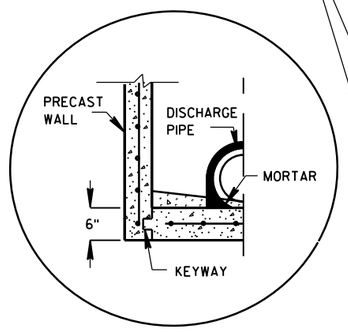


SECTION A-A

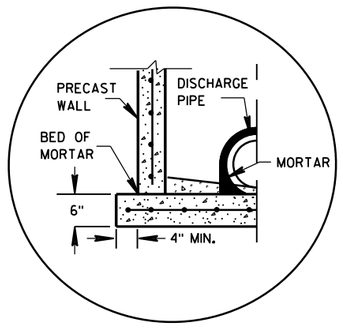
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

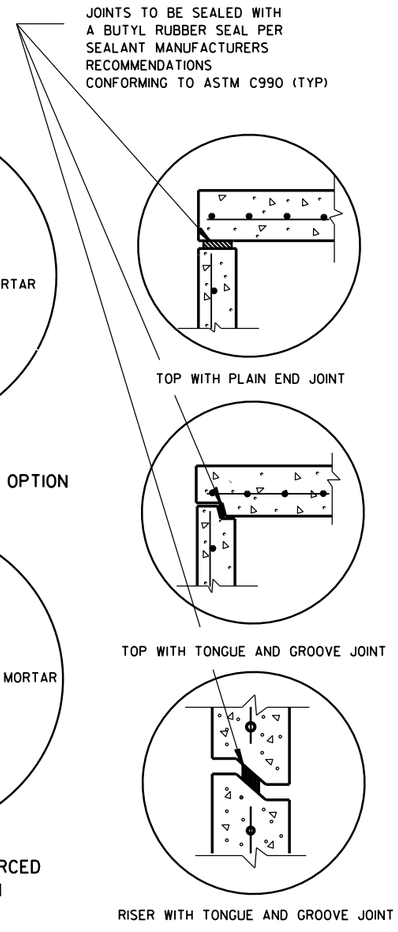


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

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.

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

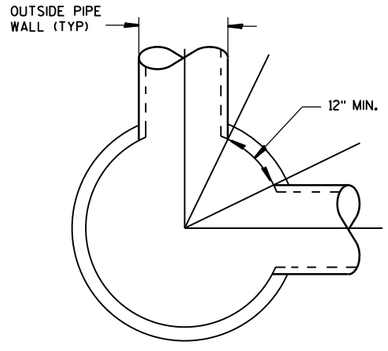
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

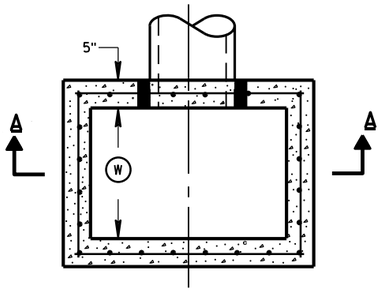
INLETS 3-FT AND 4-FT DIAMETER

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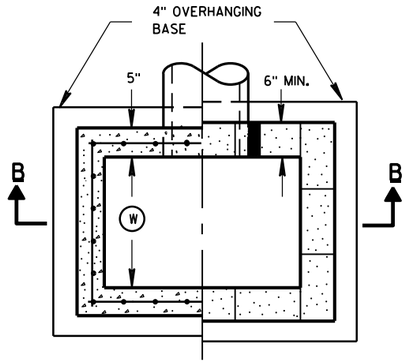
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INLETS 3-FT AND 4-FT DIAMETER

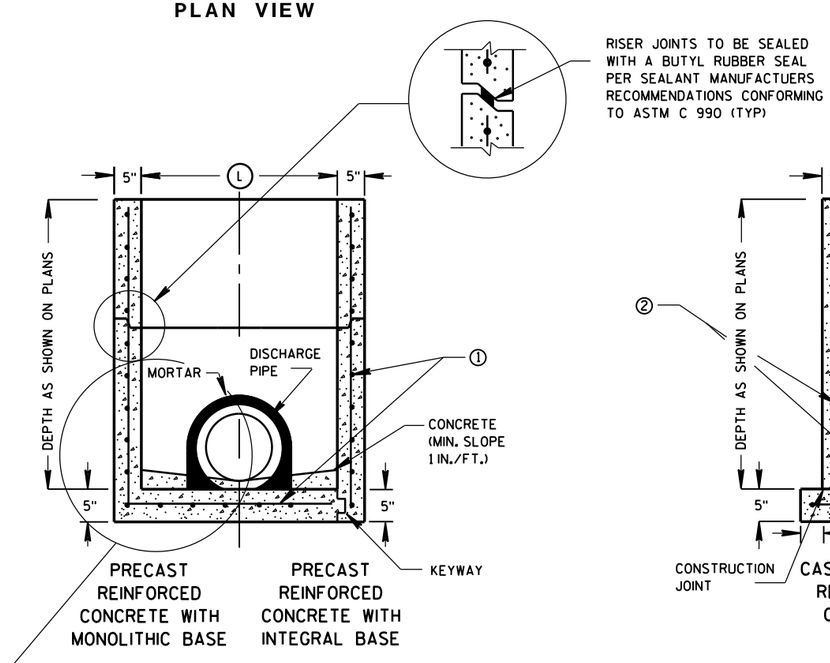
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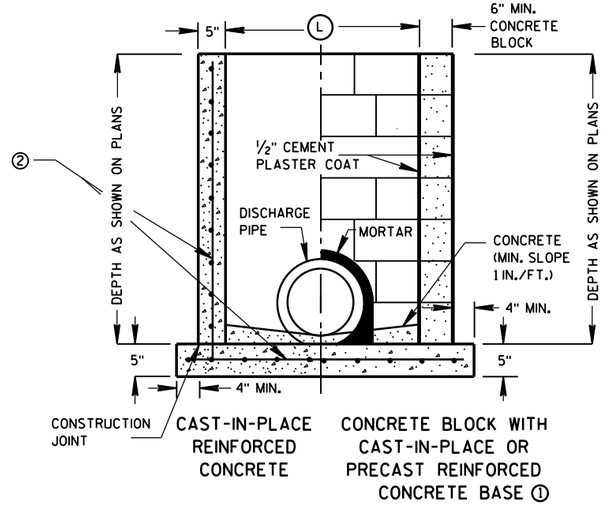
PLAN VIEW



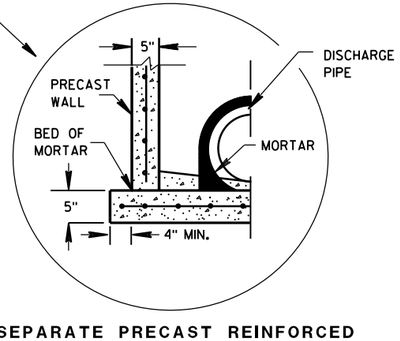
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

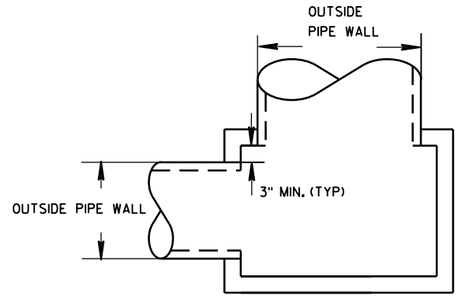
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

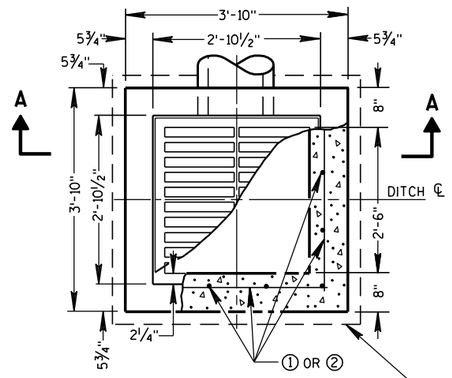
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

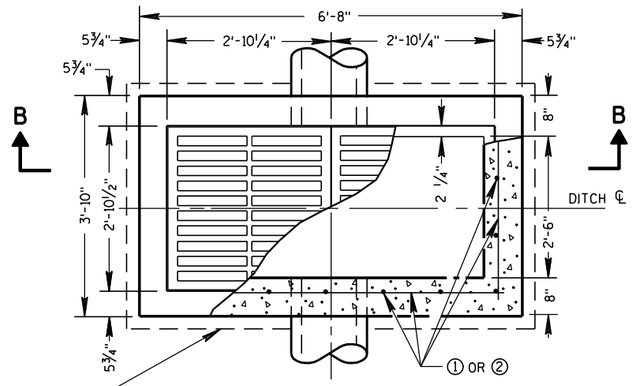
APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER

6
S.D.D. 8 C 7-1

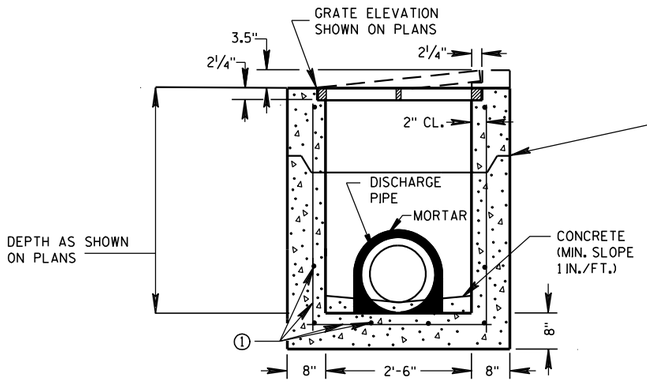


PLAN VIEW

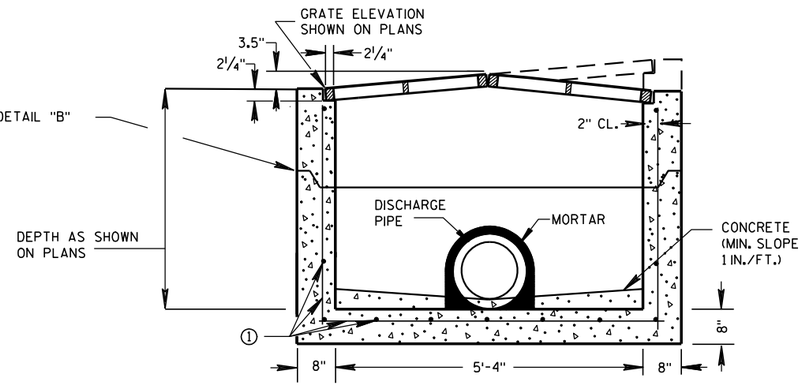


PLAN VIEW

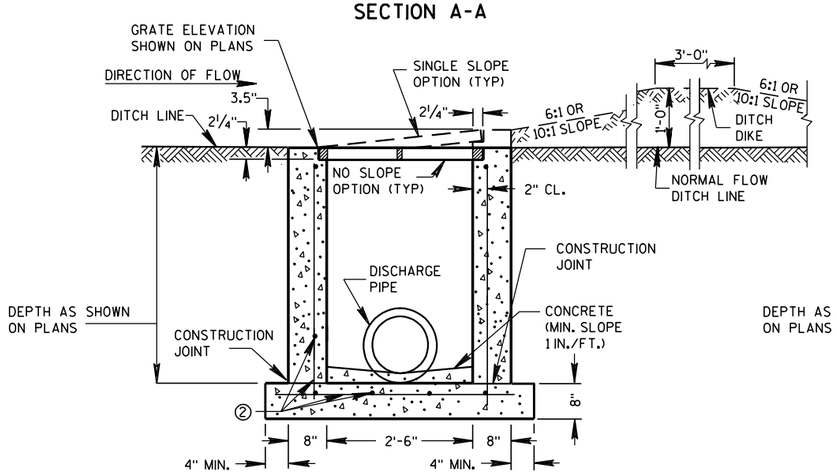
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



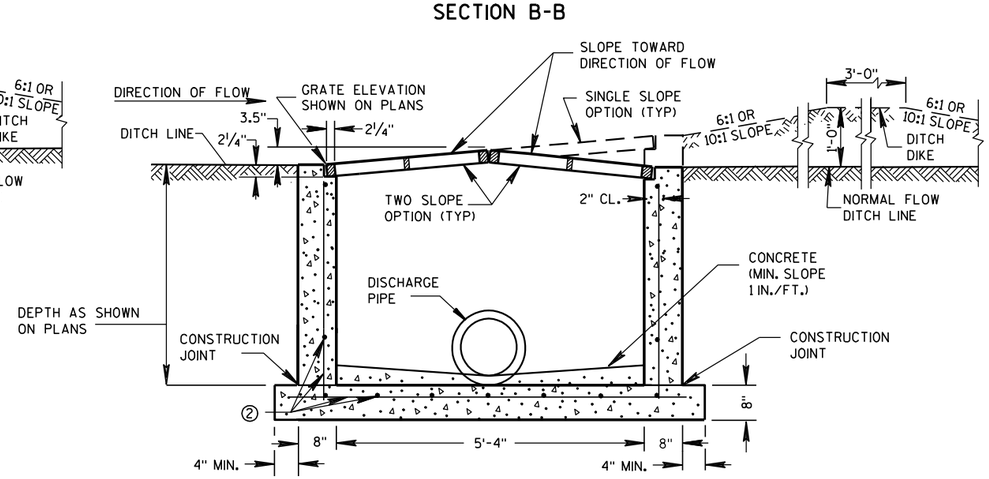
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

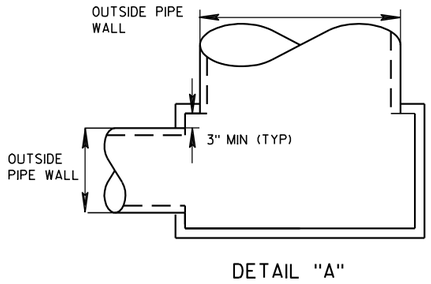
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

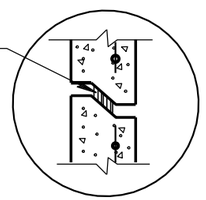
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

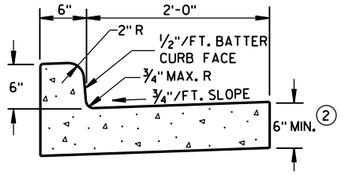
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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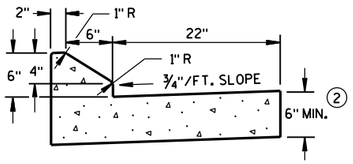
S.D.D. 8 C 8-1

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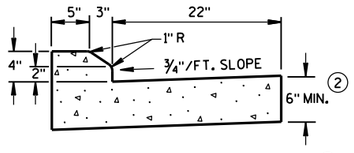
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TYPES A & D ①

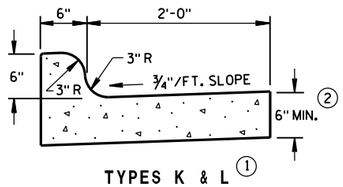


6" SLOPED CURB TYPES G & J ①

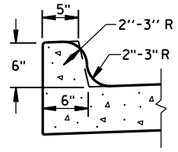


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

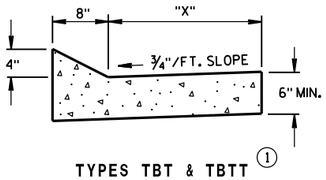


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

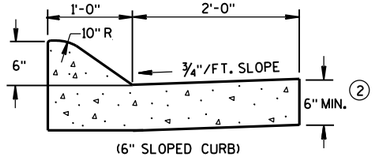
CONCRETE CURB & GUTTER 30"



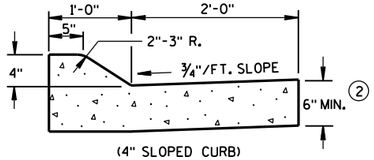
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

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

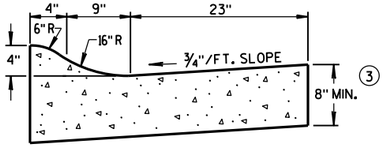


(6" SLOPED CURB)



(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.

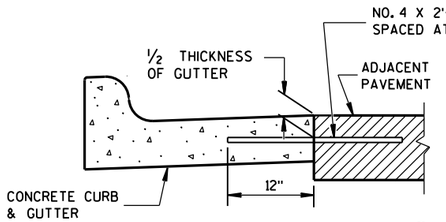
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

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.

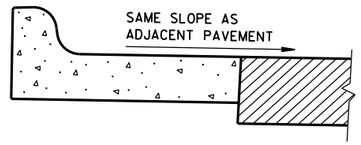
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

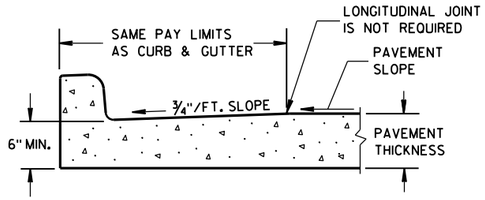
⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



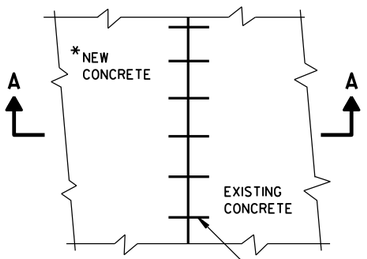
TYPICAL TIE BAR LOCATION ①



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

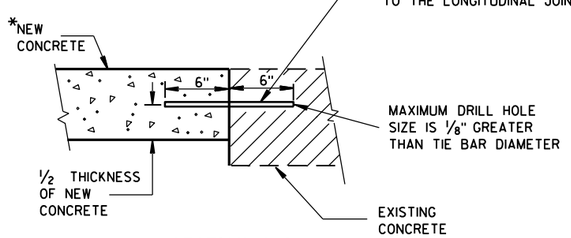


PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



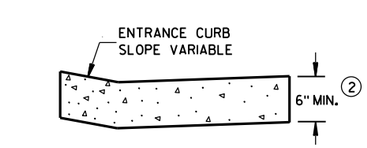
PLAN VIEW

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

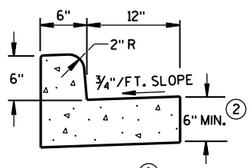


SECTION A-A

TIE BARS DRILLED
INTO EXISTING PAVEMENT

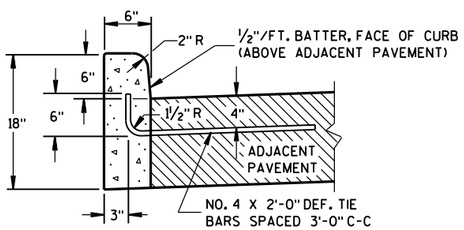


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

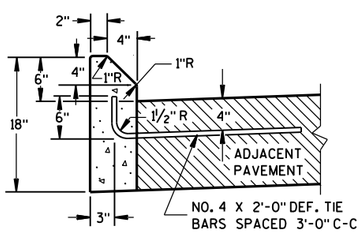


① TYPES A & D

CONCRETE CURB & GUTTER 18"

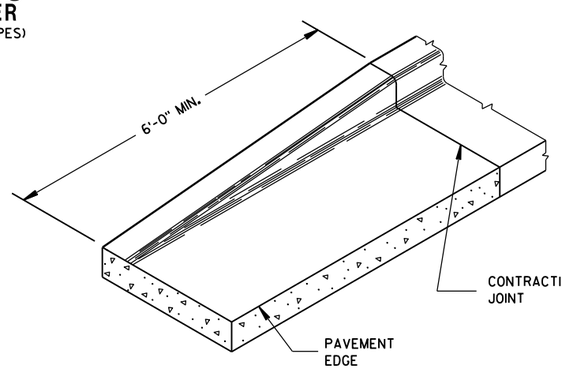


① TYPES A & D



① TYPES G & J

CONCRETE CURB



END SECTION CURB & GUTTER

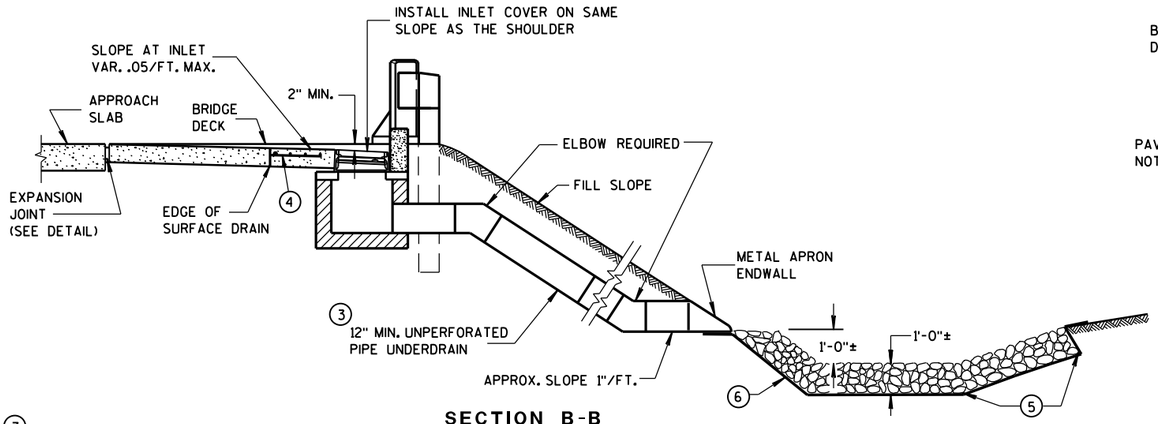
CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

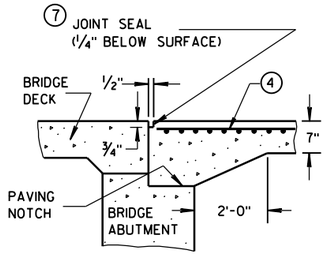
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

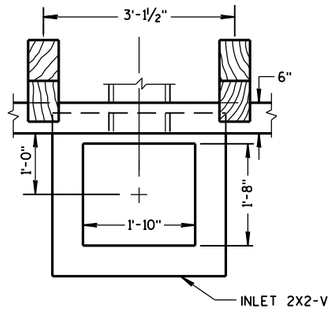
S.D.D. 8 D 1-18



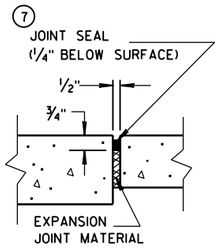
SECTION B-B



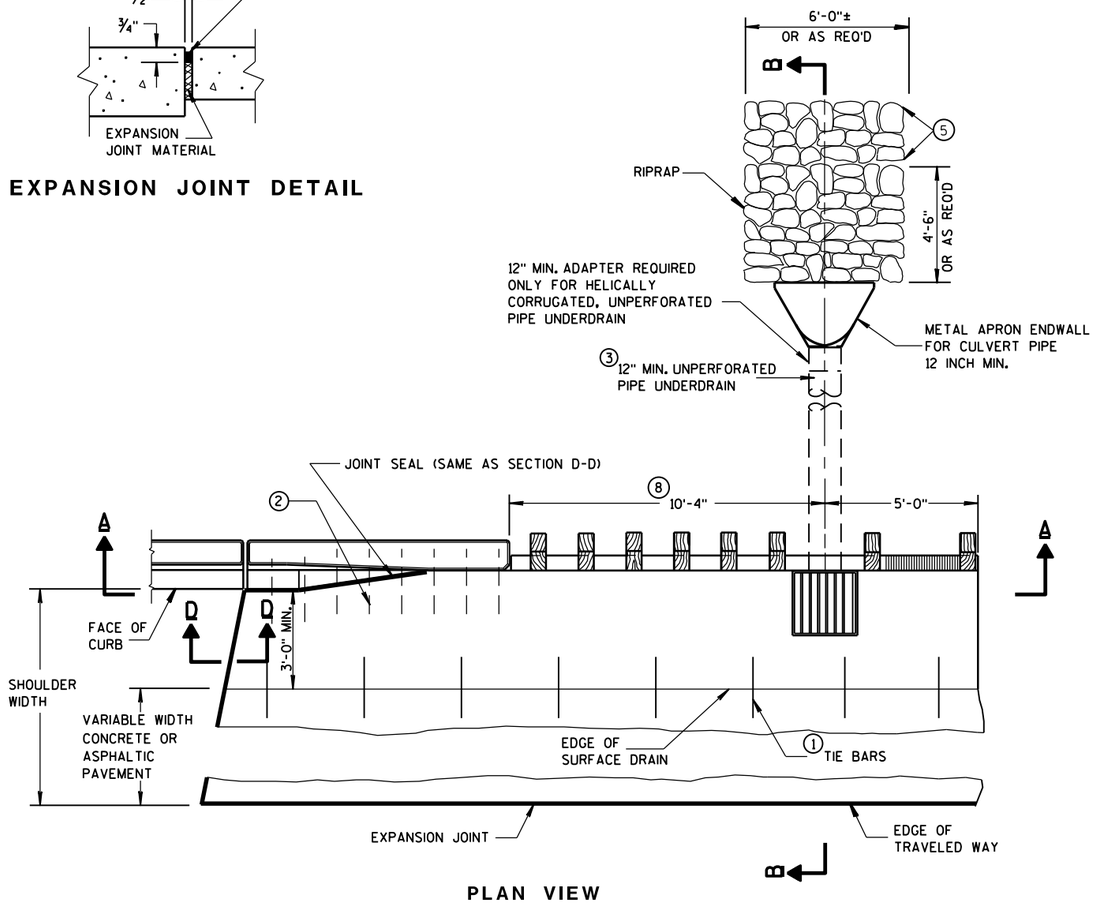
SECTION D-D



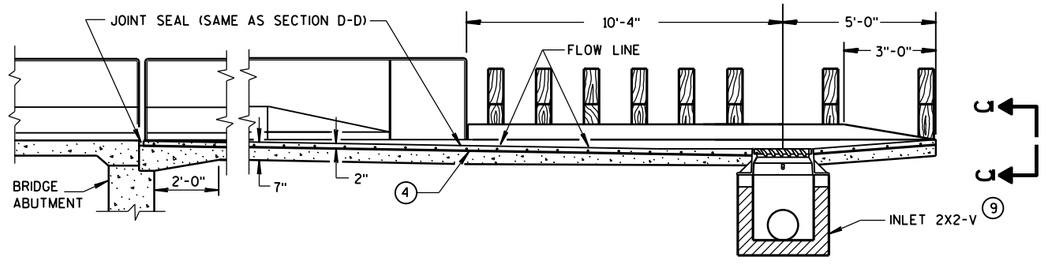
PLAN VIEW



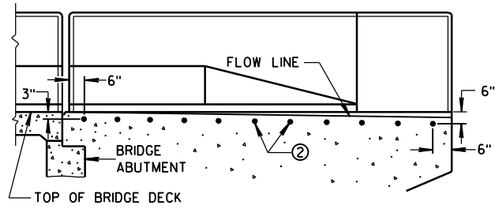
EXPANSION JOINT DETAIL



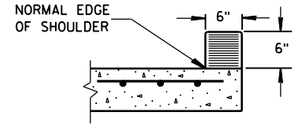
PLAN VIEW



SECTION A-A



LOCATION OF TIE BARS IN WINGWALL



SECTION C-C

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.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.

(2) NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) THE PIPE UNDERDRAIN MAY BE ANY ONE OF THE SIX MATERIALS LISTED IN THE STANDARD SPECIFICATIONS SECTION 612.2 EXCEPT DRAIN TILE.

(4) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.

(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(6) GEOTEXTILE FABRIC, TYPE 'R'

(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

(8) THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".

(9) SEE CURRENT STANDARD DETAIL DRAWINGS 8A5 AND 8C7 FOR DETAILS.

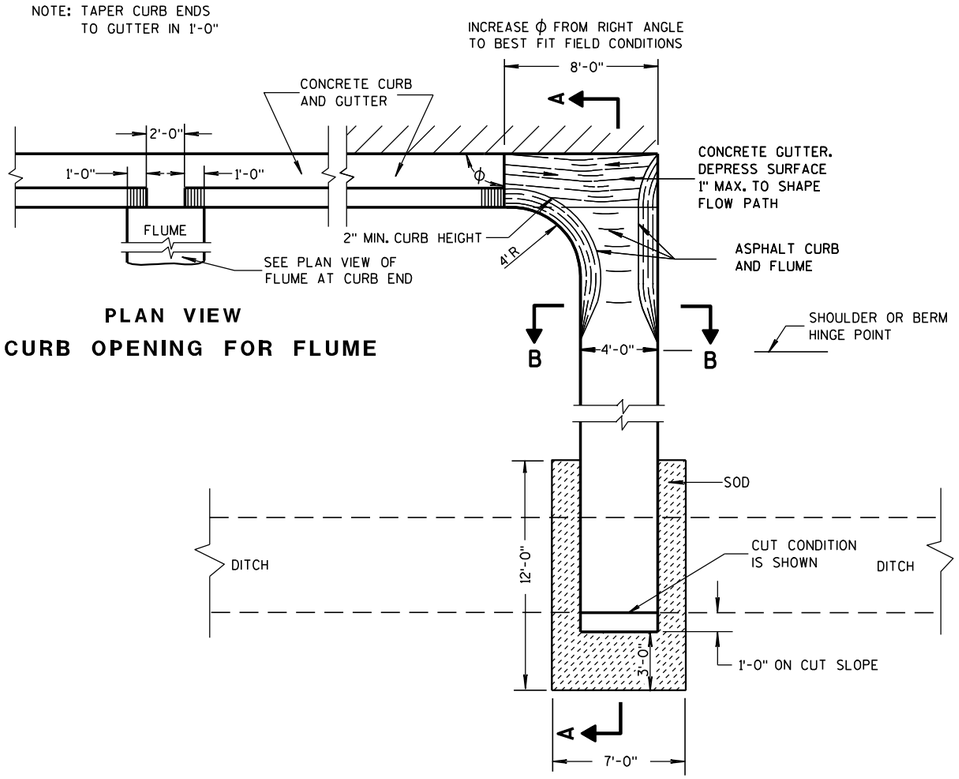
CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

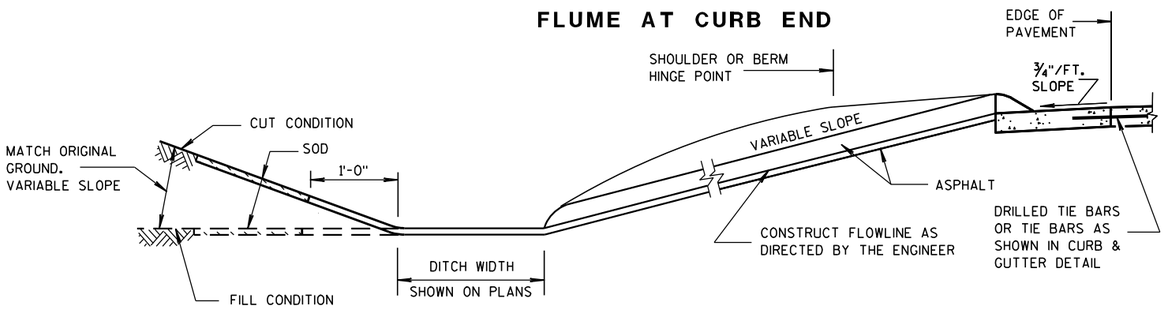
6
S.D.D. 8 D 3-6

ASPHALTIC FLUME

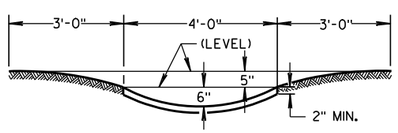


PLAN VIEW
CURB OPENING FOR FLUME

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.

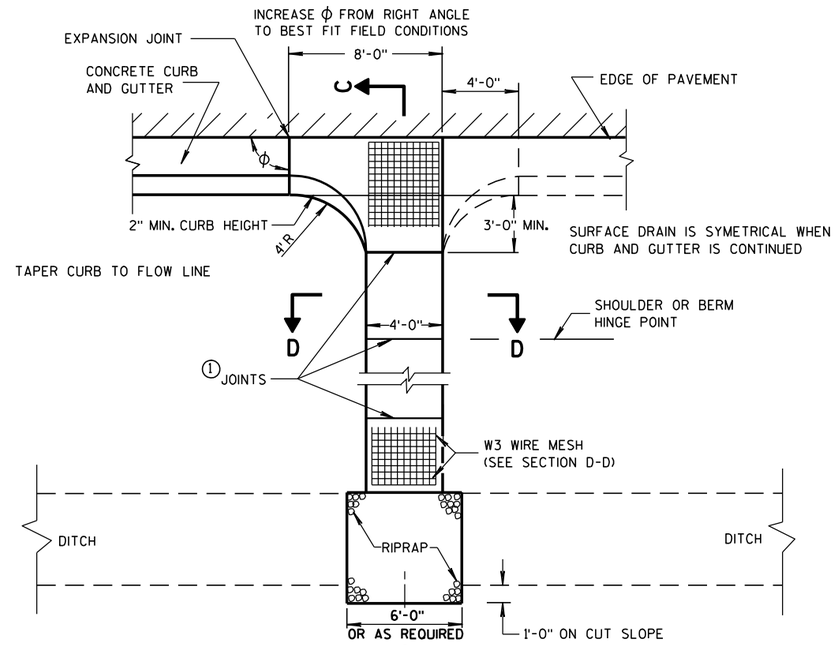
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

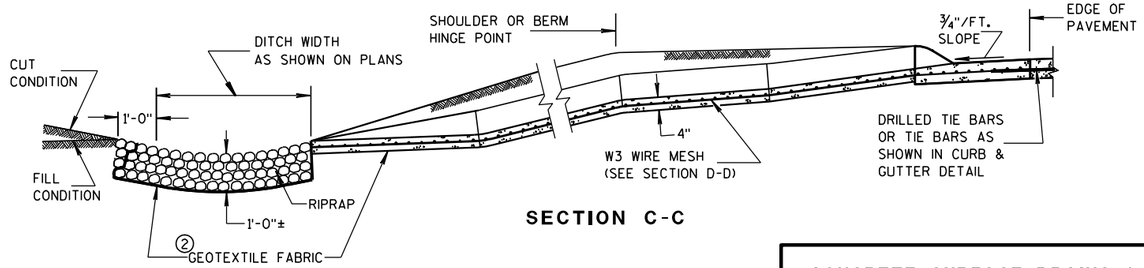
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

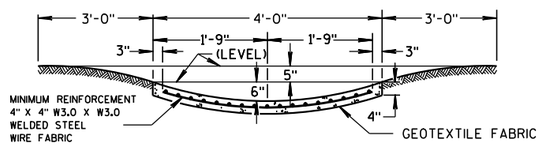
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

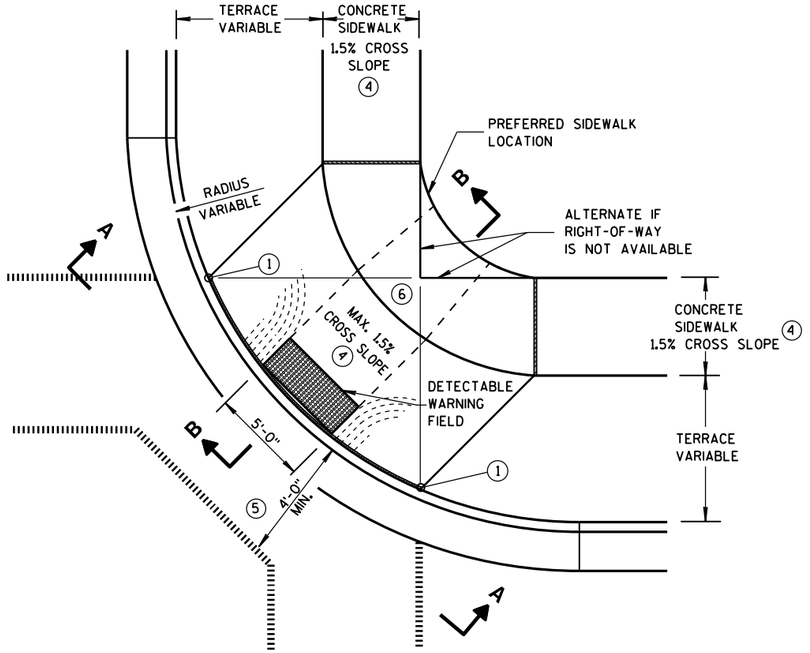
APPROVED
9-4-08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 D 4-5

6

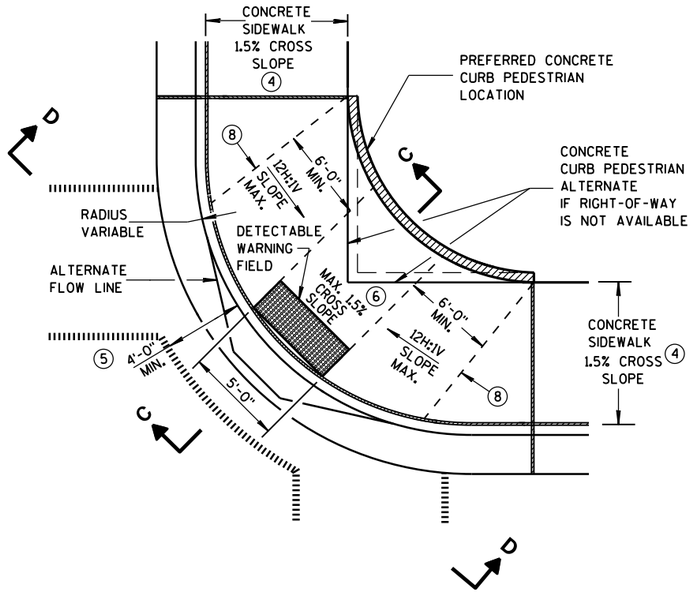
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN $\frac{1}{4}$-INCH ARE ALLOWED.

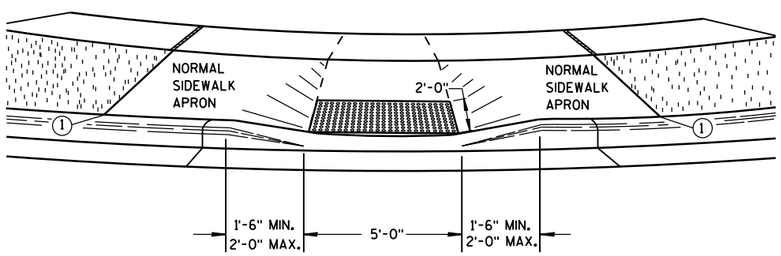
(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

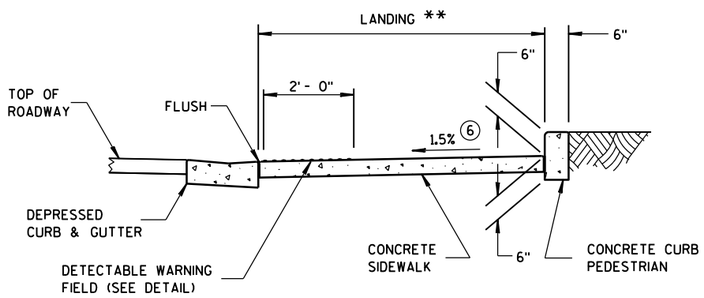
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.



VIEW A-A

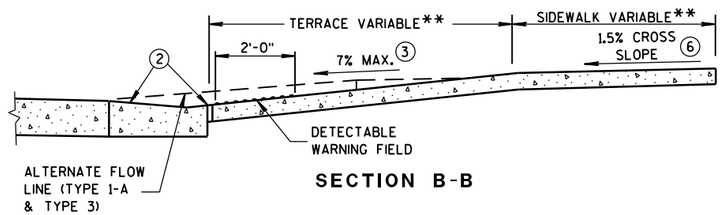
** WIDTH SHOWN ELSEWHERE IN THE PLANS



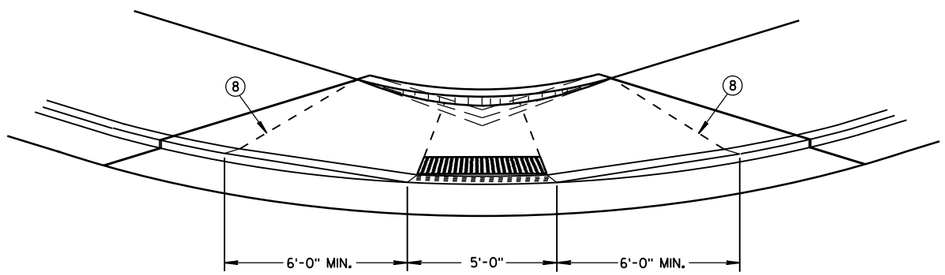
SECTION C-C

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



SECTION B-B



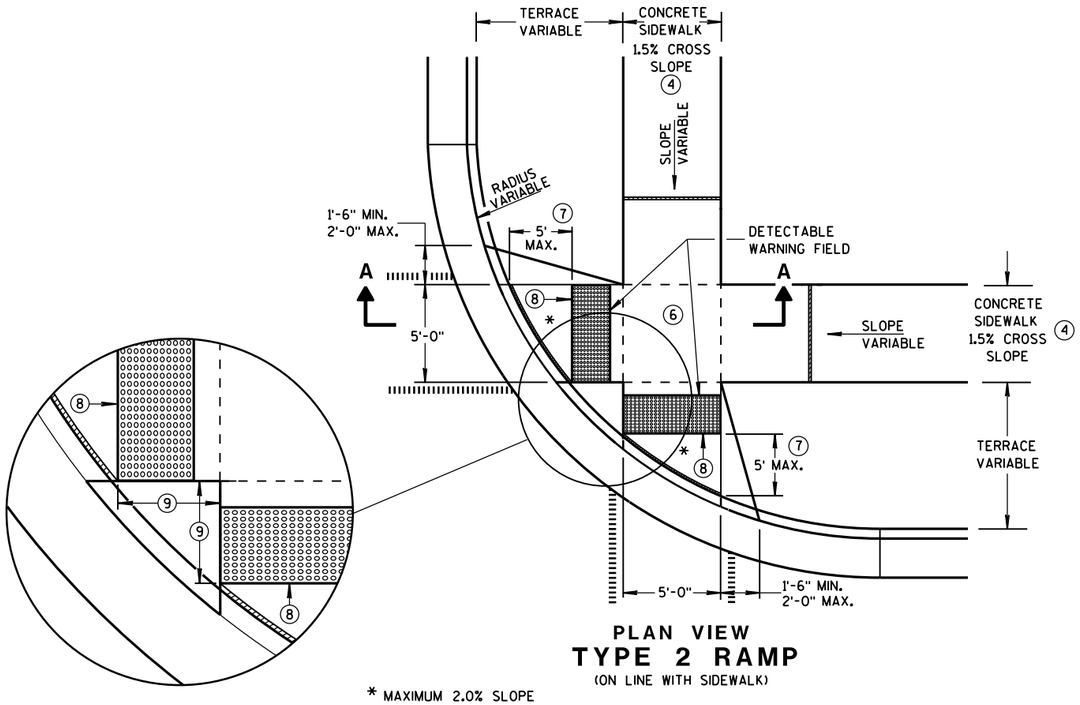
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-16a

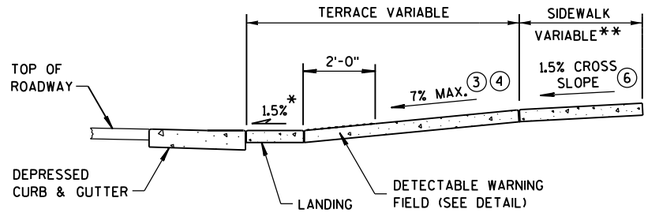


PLAN VIEW

TYPE 2 RAMP

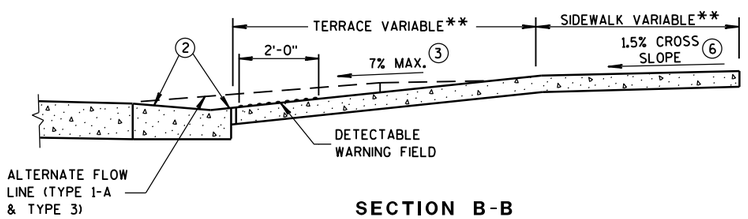
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

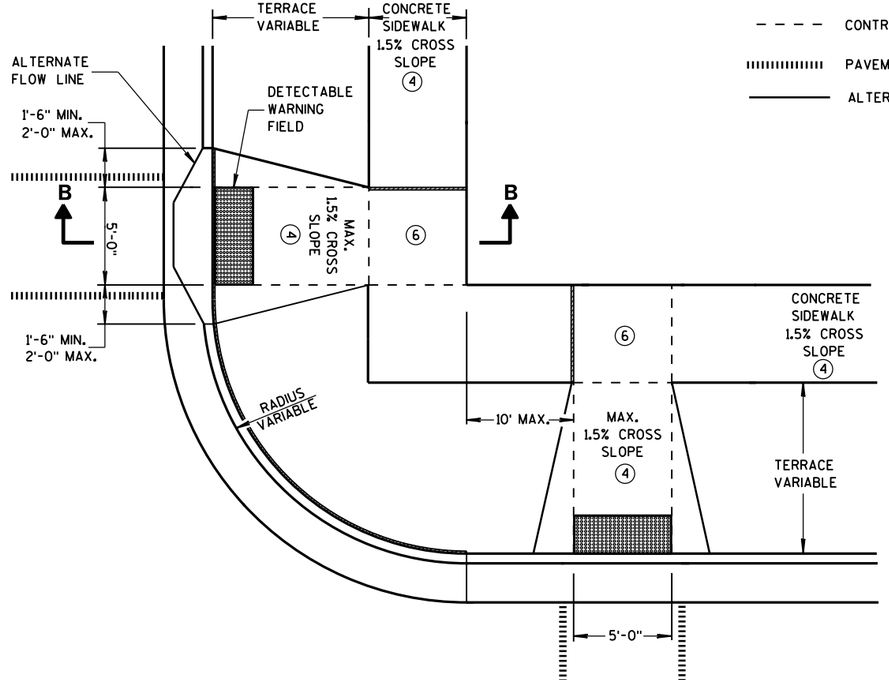
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. 2" MINIMUM CURB HEIGHT.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

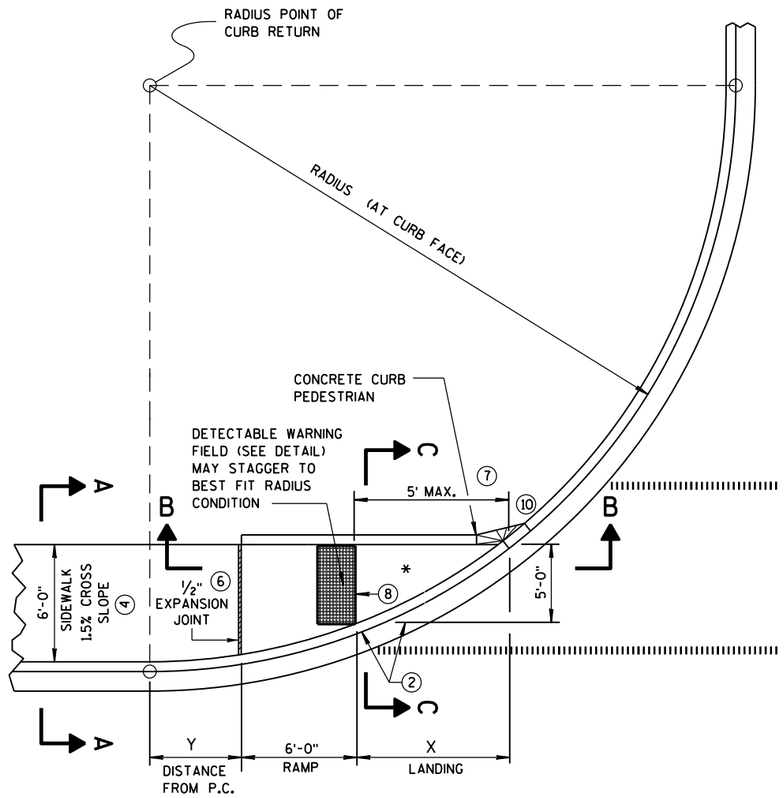
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

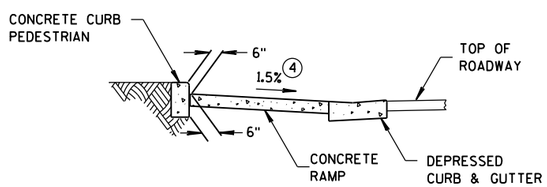
S.D.D. 8 D 5-16b



CURB RAMP TYPE 4A
PLAN VIEW

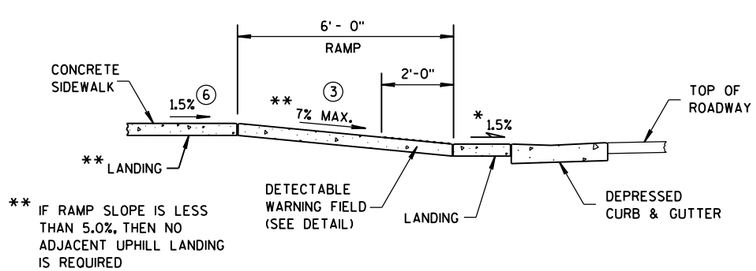
RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION C-C FOR TYPE 4A

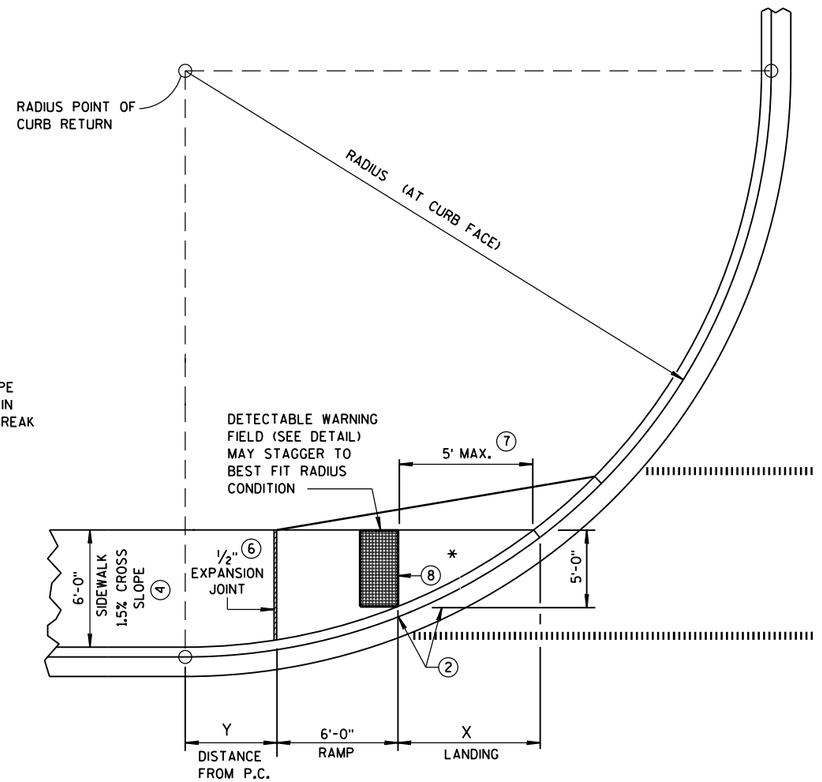
SECTION A-A FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

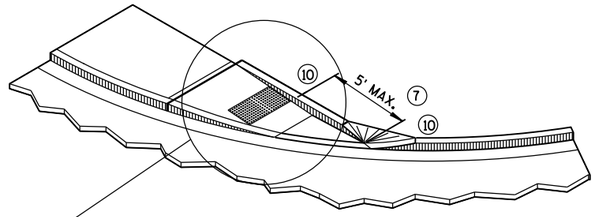
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

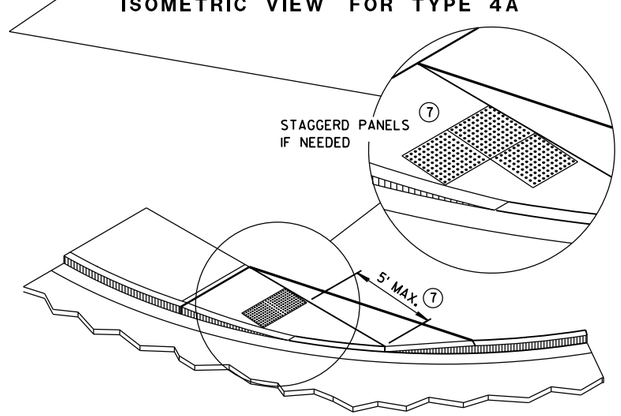
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

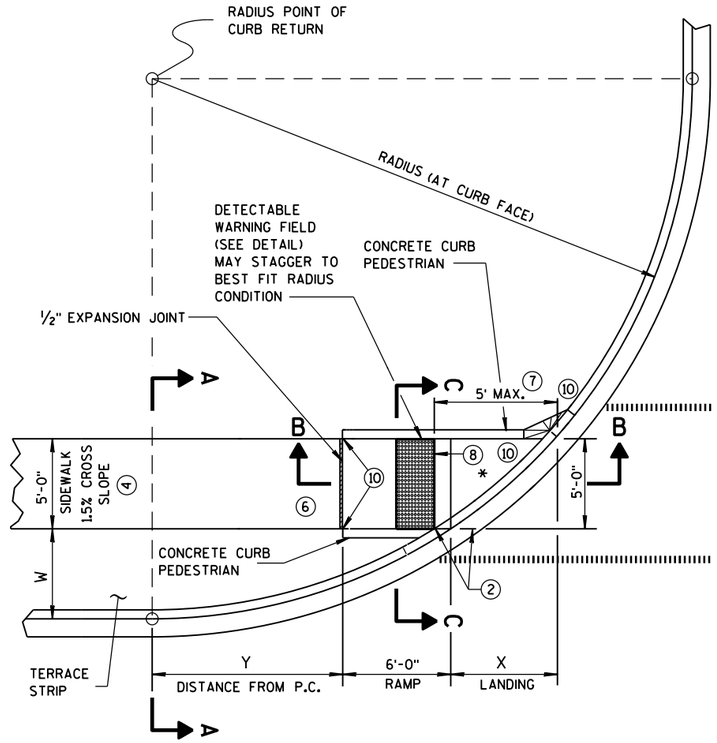
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

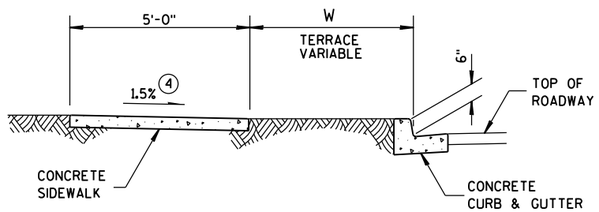
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

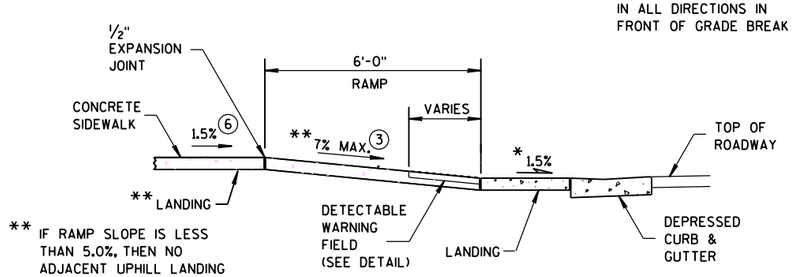
S.D.D. 8 D 5-16c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

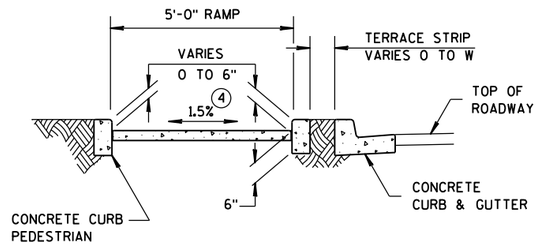
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

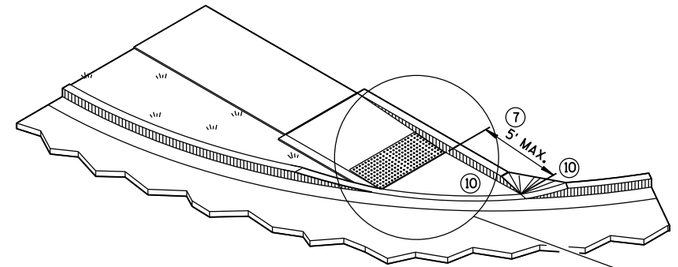
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

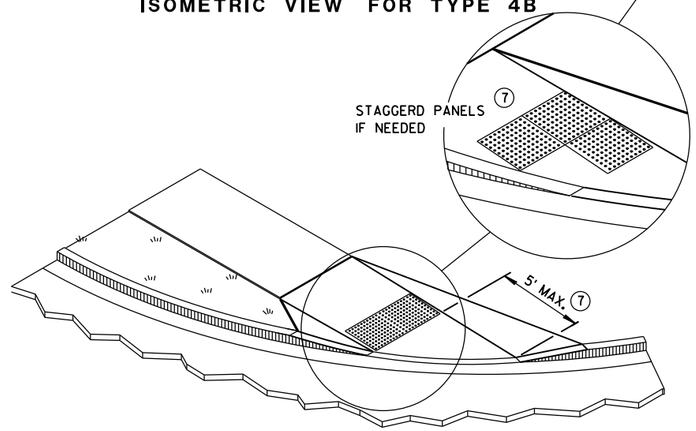
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

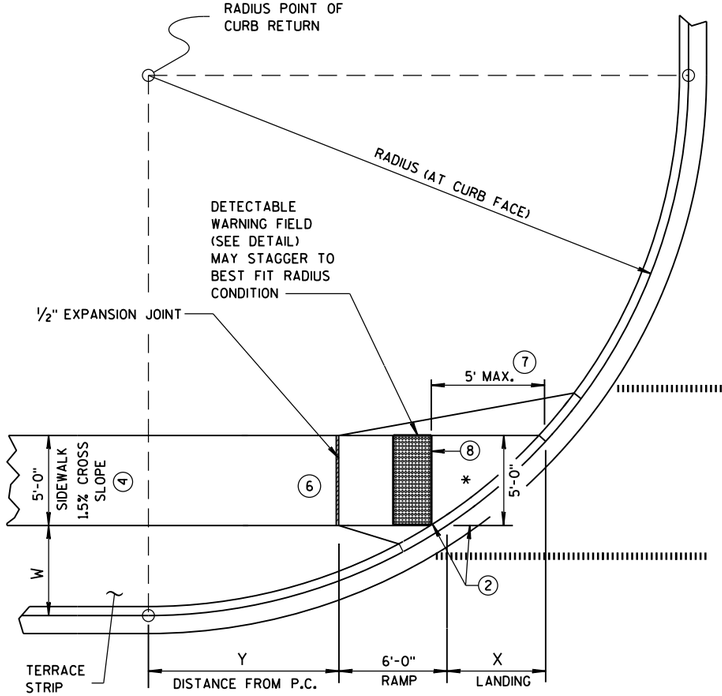
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS TYPE 4B AND 4B1

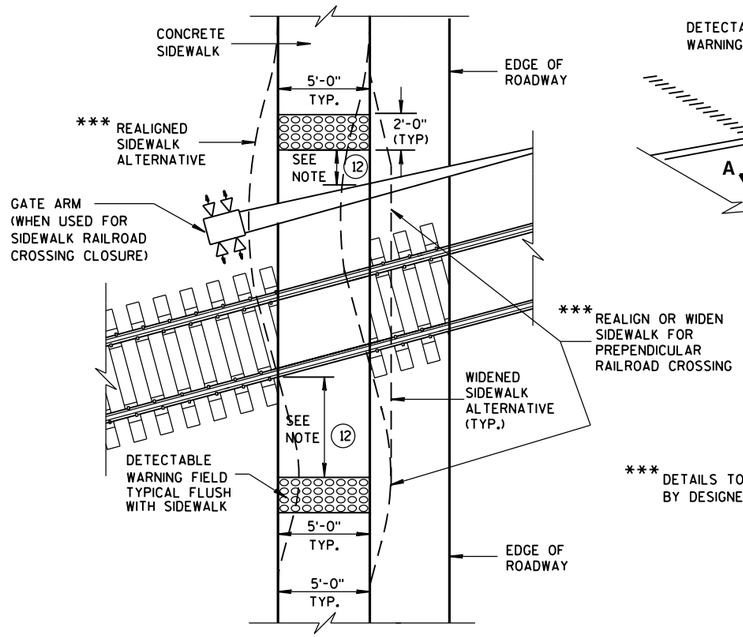
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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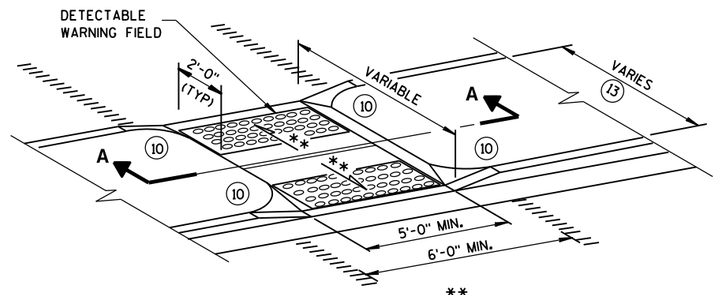
S.D.D. 8 D 5-16d

6

S.D.D. 8 D 5-16d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

*** DETAILS TO BE DETERMINED BY DESIGNER

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

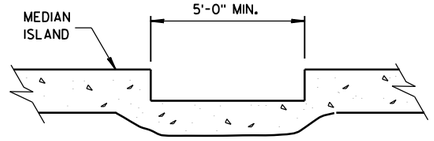
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

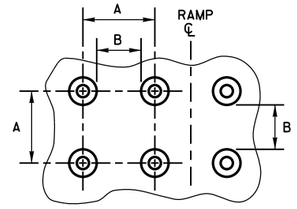
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



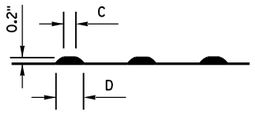
SECTION A-A

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

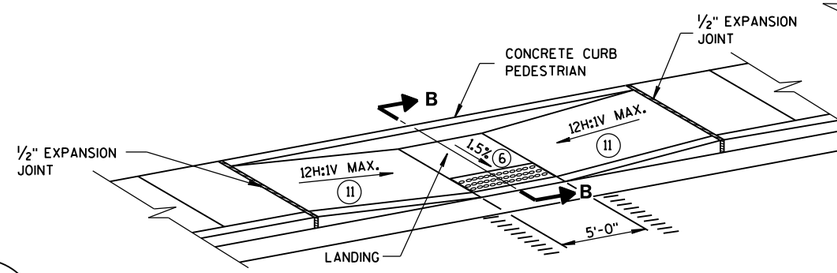
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



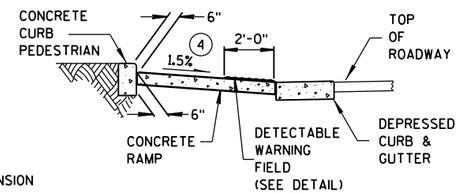
PLAN VIEW



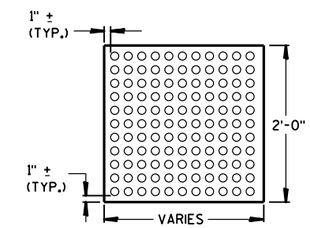
ELEVATION VIEW
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



MID-BLOCK CROSSING
TYPE 7A

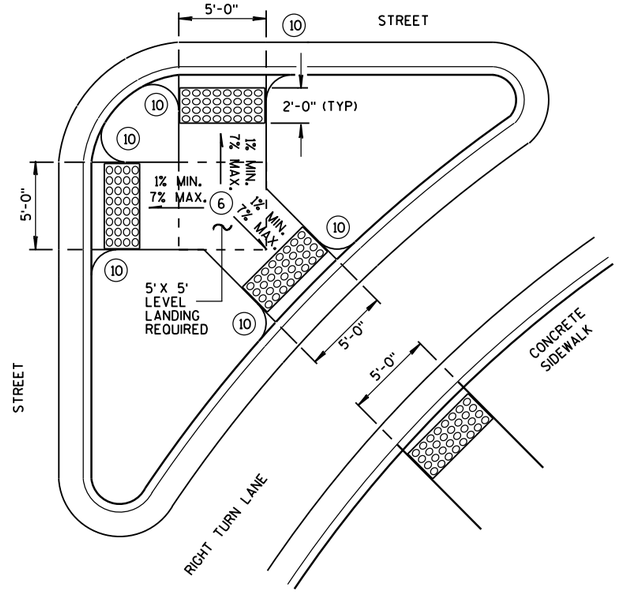


SECTION B-B

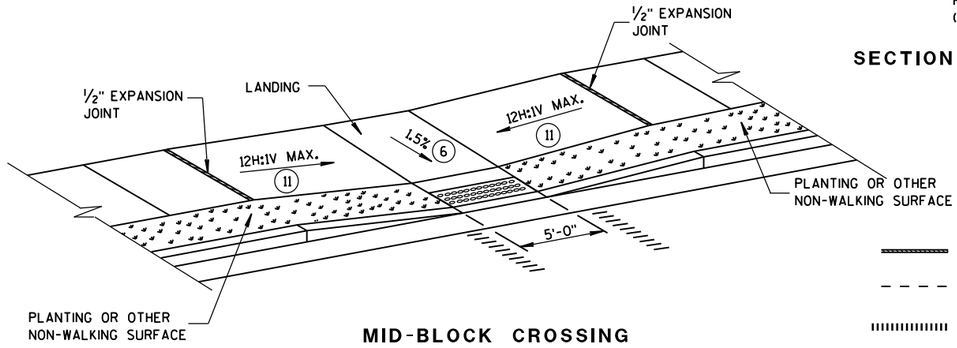


PLAN VIEW
DETECTABLE WARNING FIELD (TYPICAL)

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

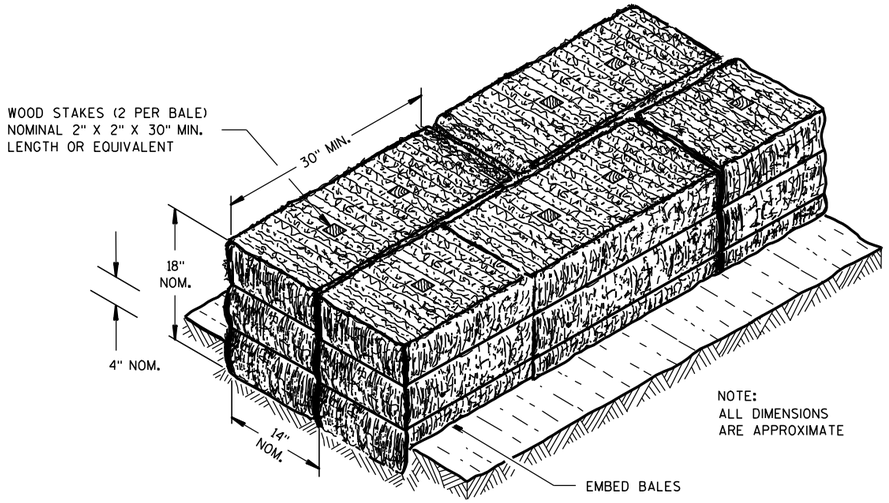
CURB RAMPS TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

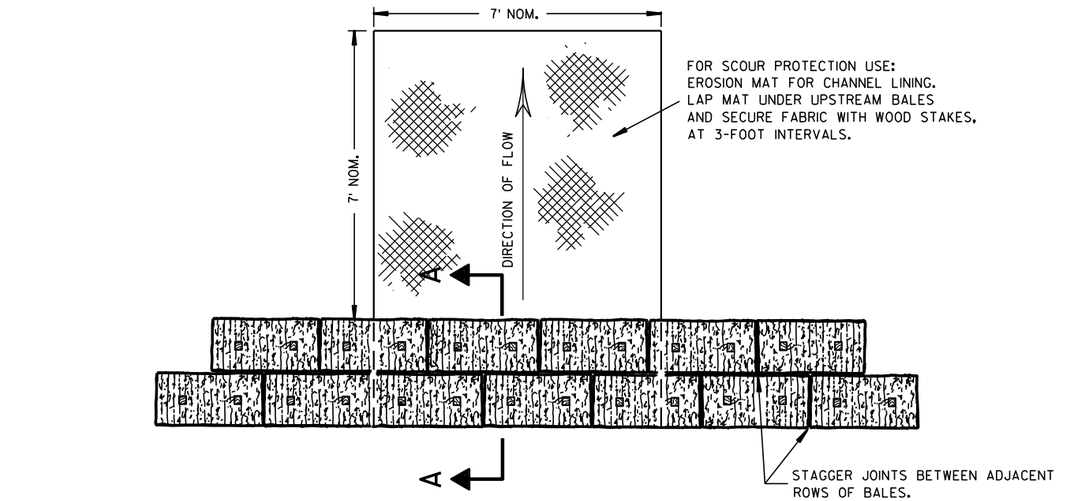
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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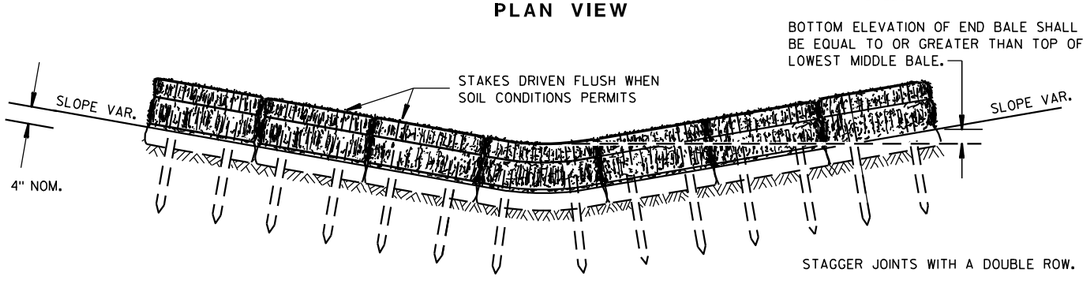
S.D.D. 8 D 5-16e



SECTION A-A



PLAN VIEW



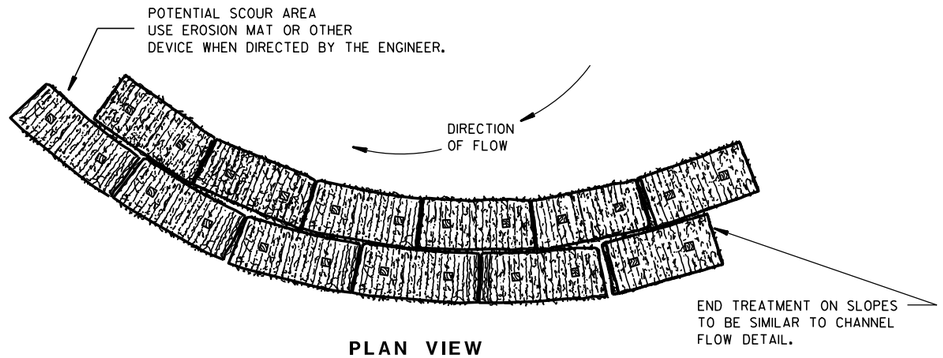
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

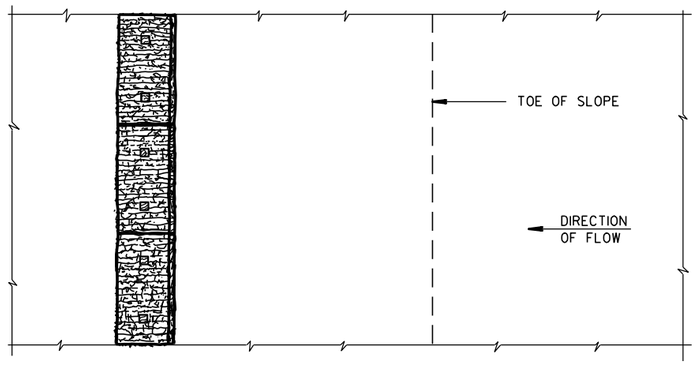
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

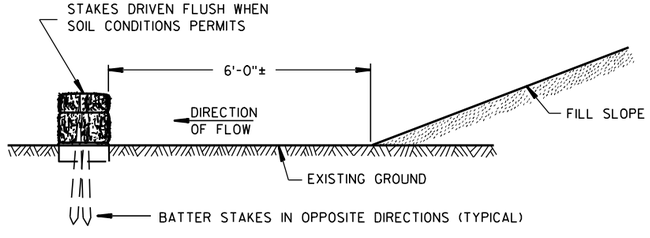


PLAN VIEW

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

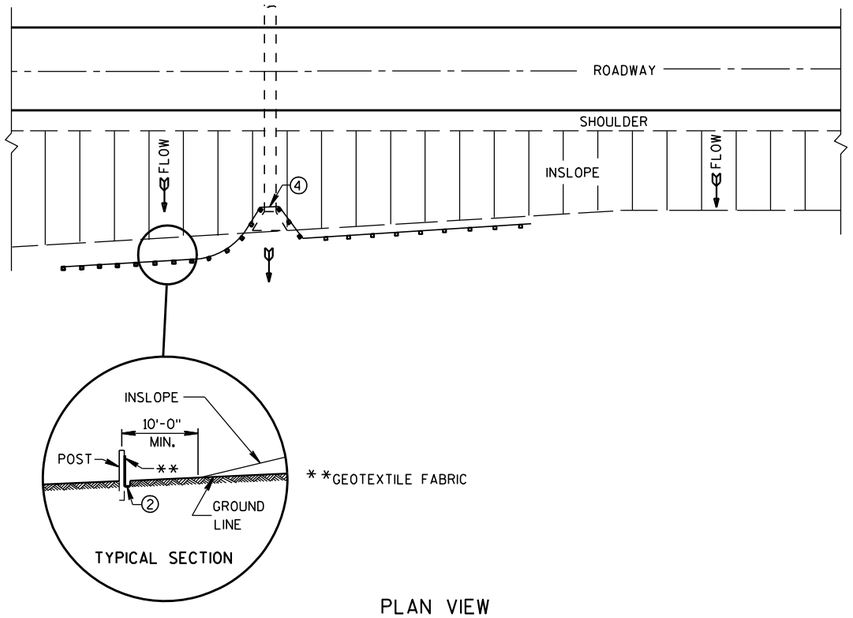
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 8-3

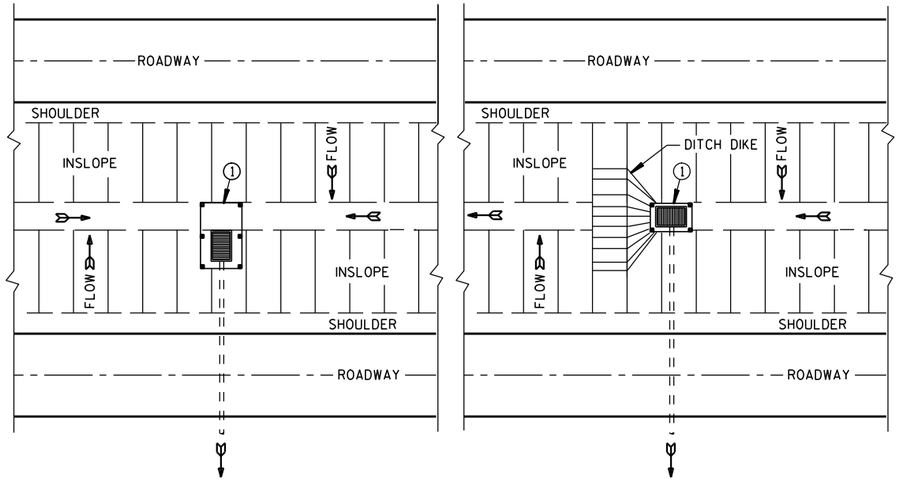
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S.D.D. 8 E 8-3



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.

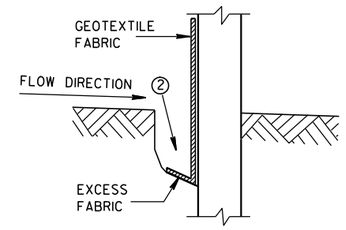
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

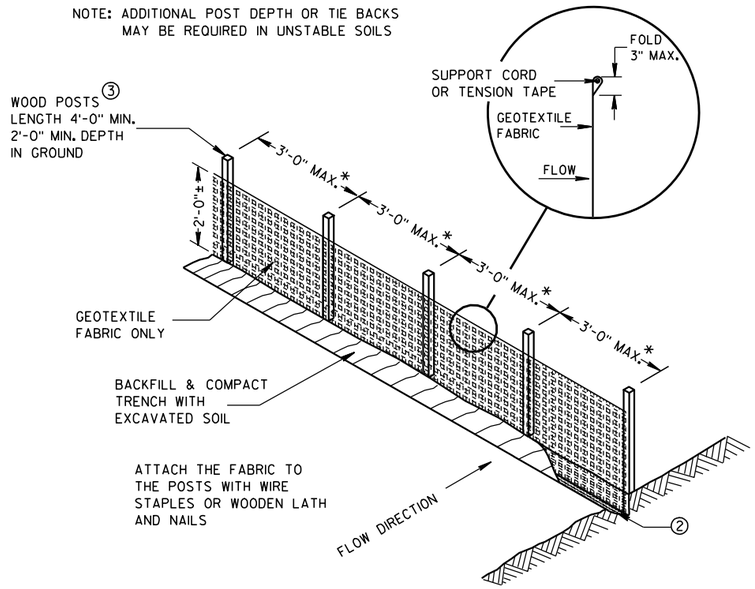
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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.

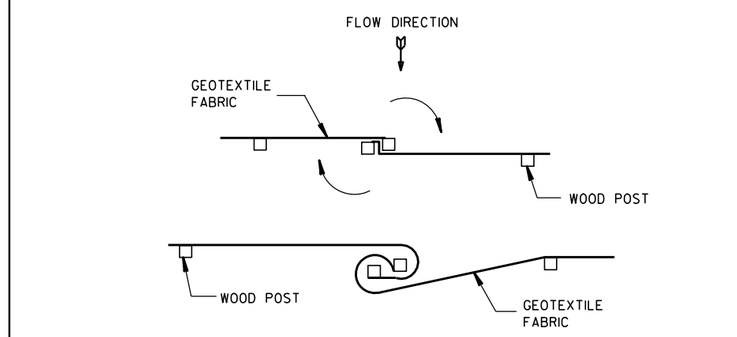


TRENCH DETAIL

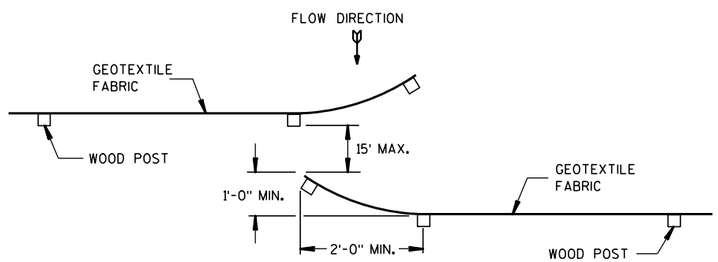


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

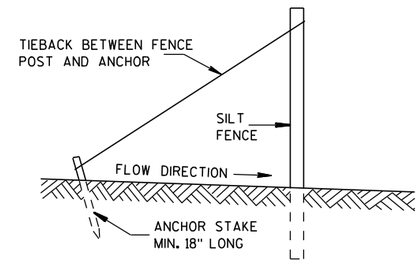


TWIST METHOD



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

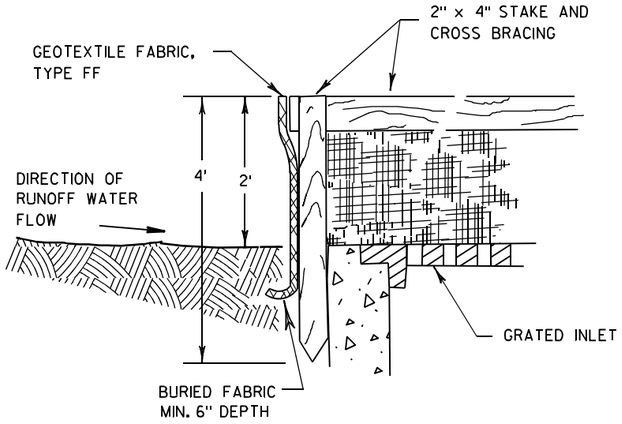
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

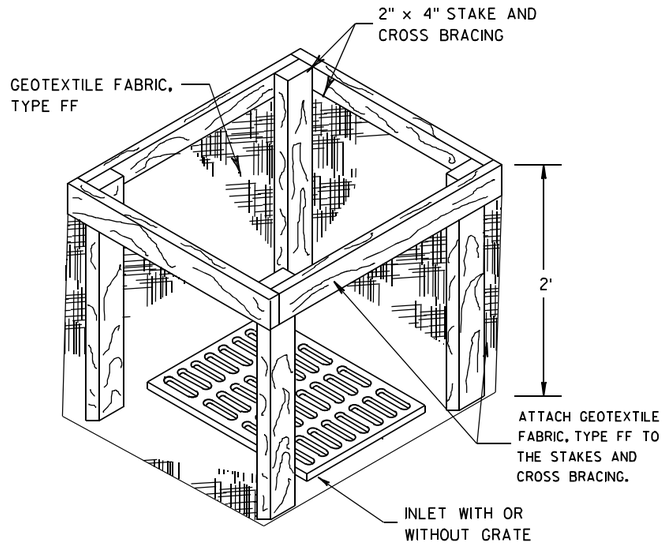
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S.D.D. 8 E 9-6

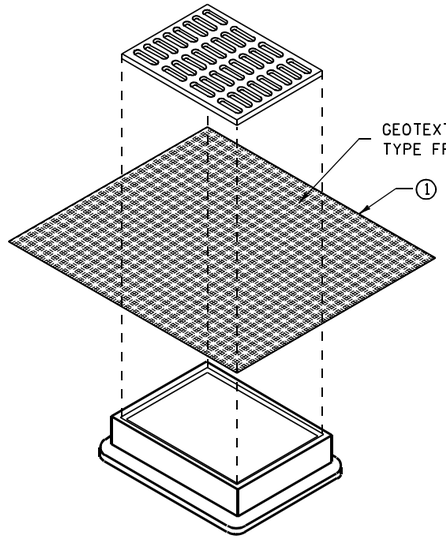
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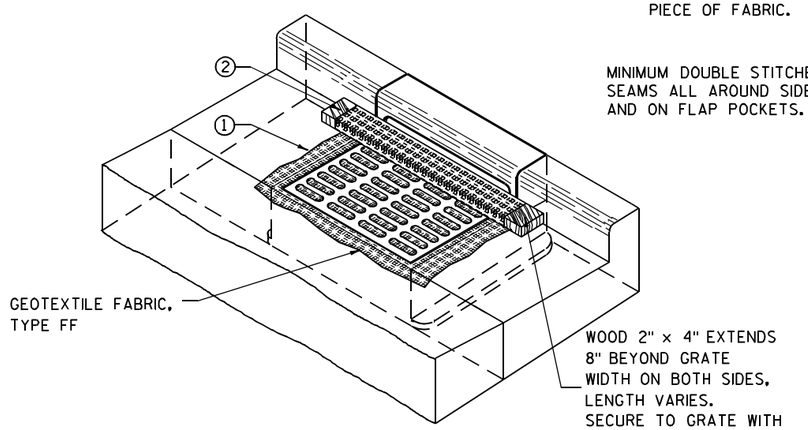


INLET PROTECTION, TYPE A

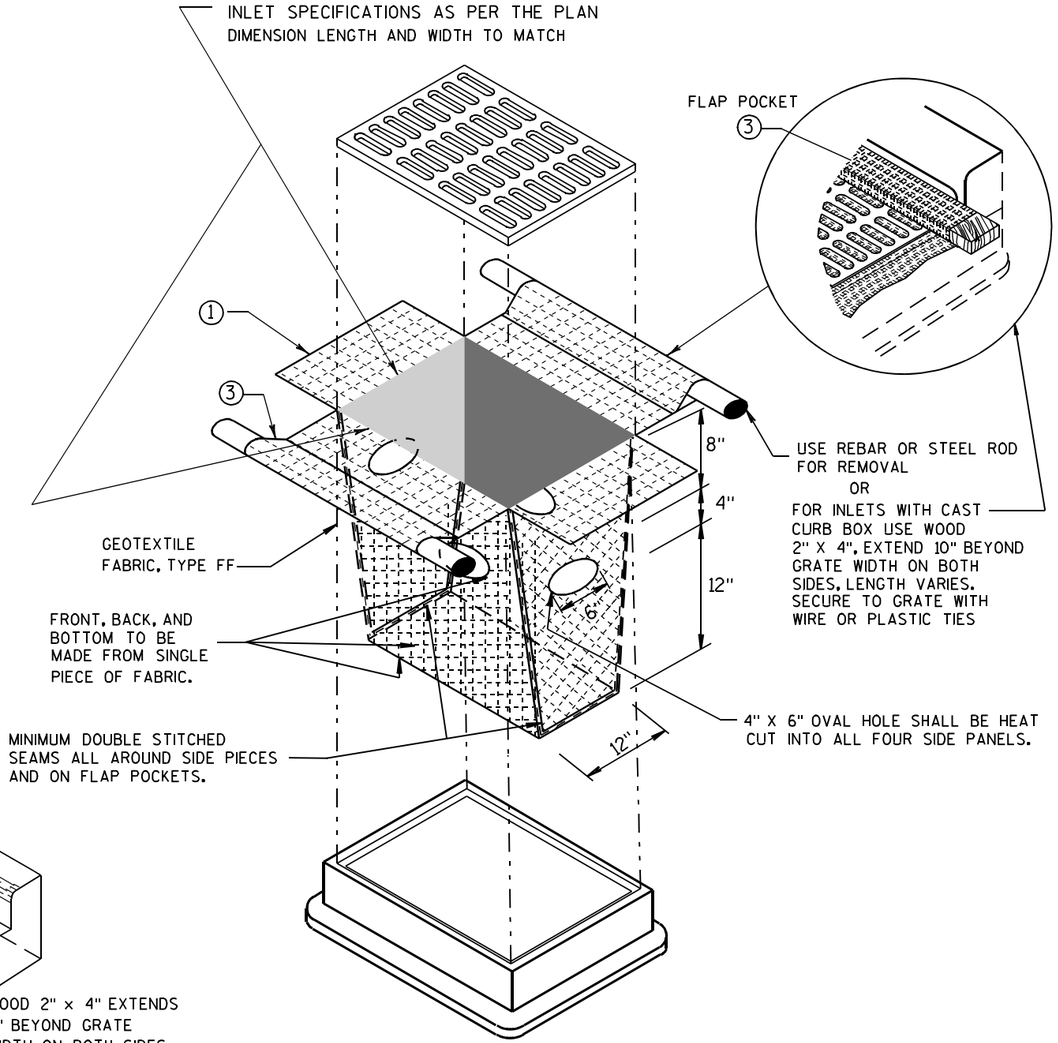


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

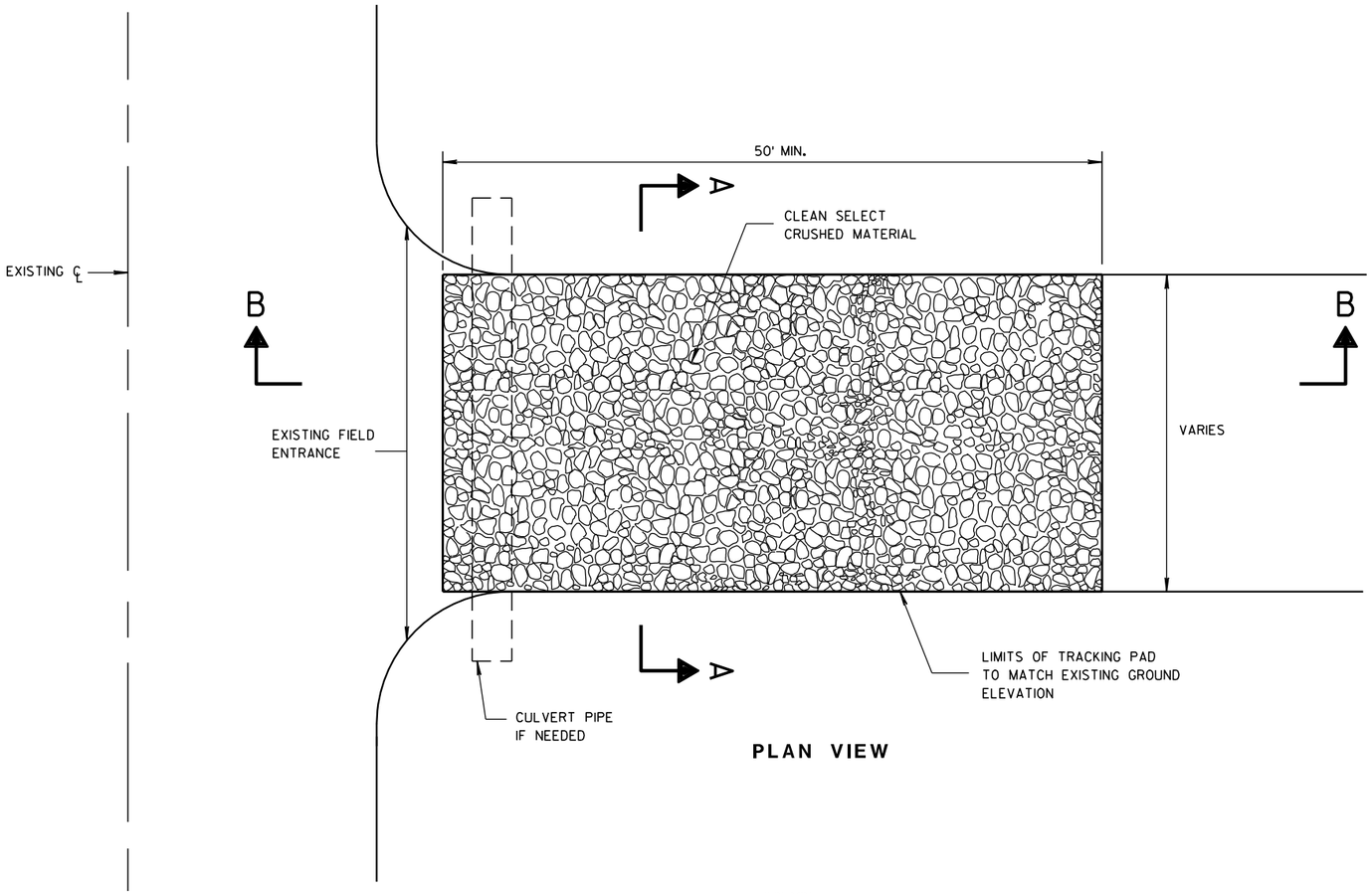
FHWA

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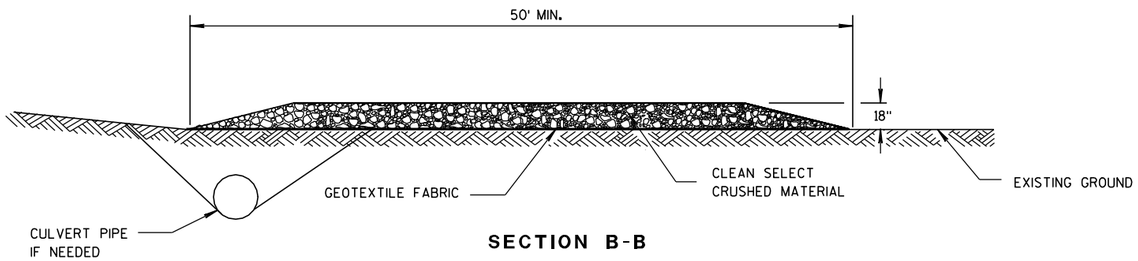
S.D.D. 8 E 10-2

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S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

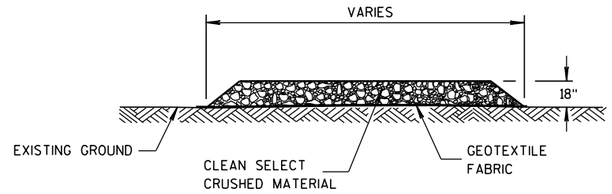
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

ENT

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

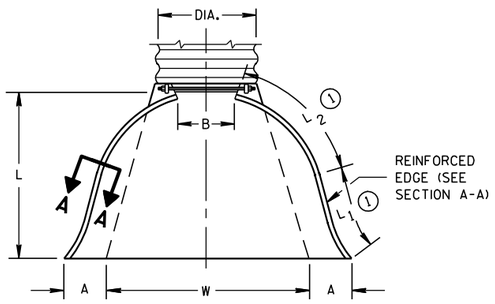
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

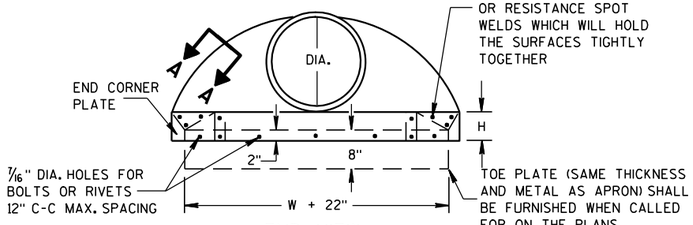
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
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

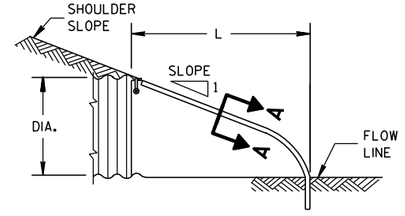
* MINIMUM
** MAXIMUM



PLAN VIEW

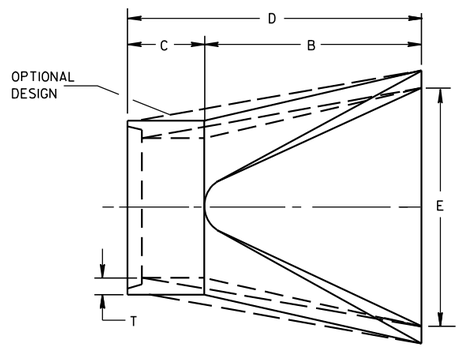


END VIEW

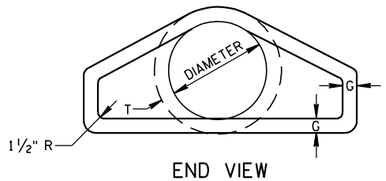


SIDE ELEVATION

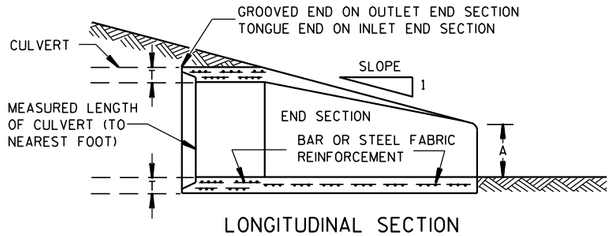
METAL ENDWALLS



PLAN

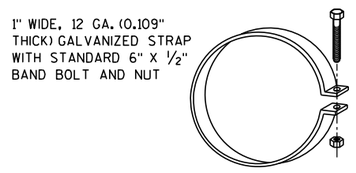


END VIEW



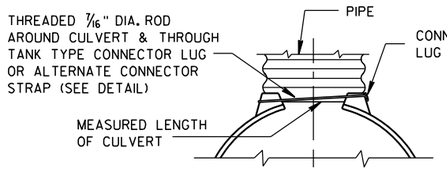
LONGITUDINAL SECTION

CONCRETE ENDWALLS

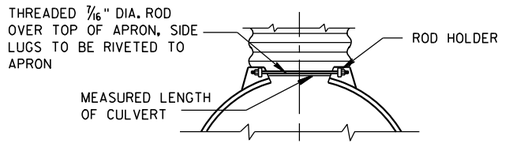


ALTERNATE FOR TYPE 1 CONNECTION

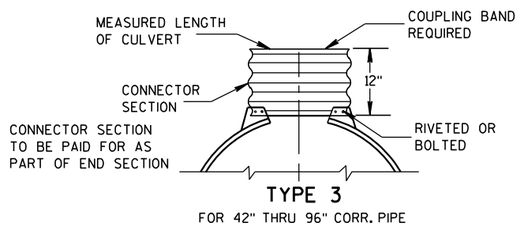
END SECTION CONNECTOR STRAP



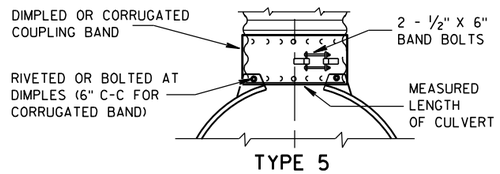
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

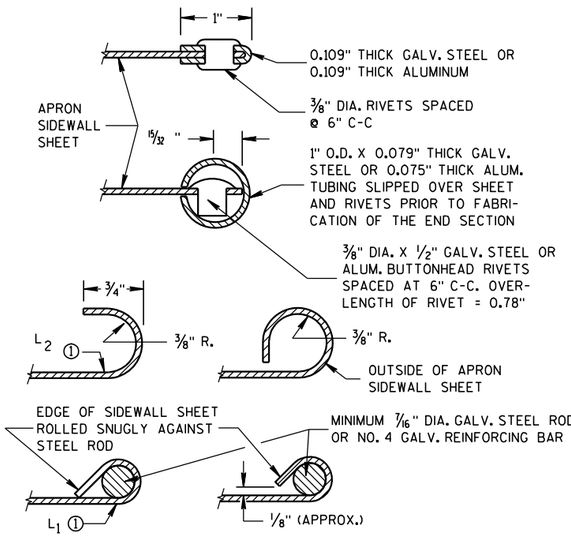
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

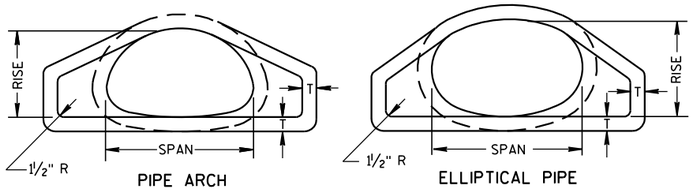
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

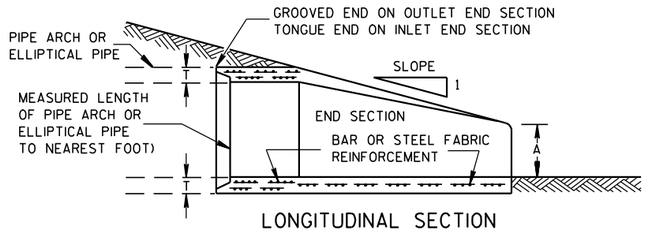
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

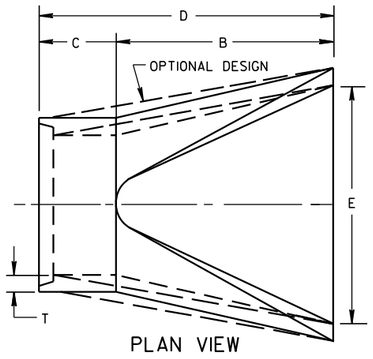
6
S.D.D. 8 F 1-11



END VIEW

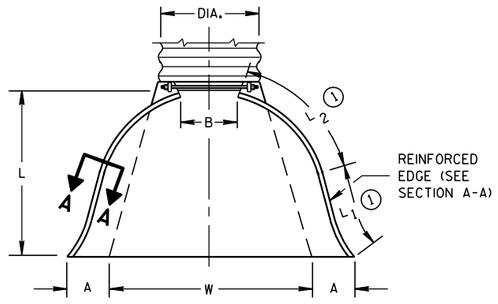


LONGITUDINAL SECTION

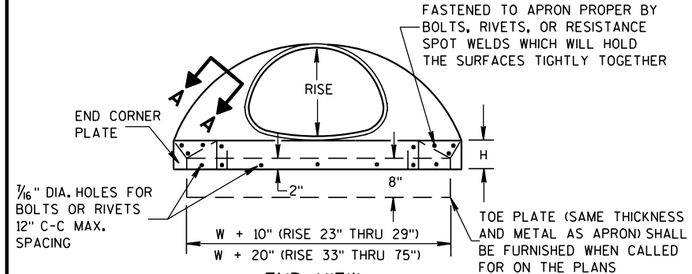


PLAN VIEW

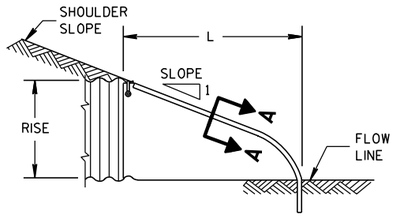
CONCRETE ENDWALLS



PLAN VIEW

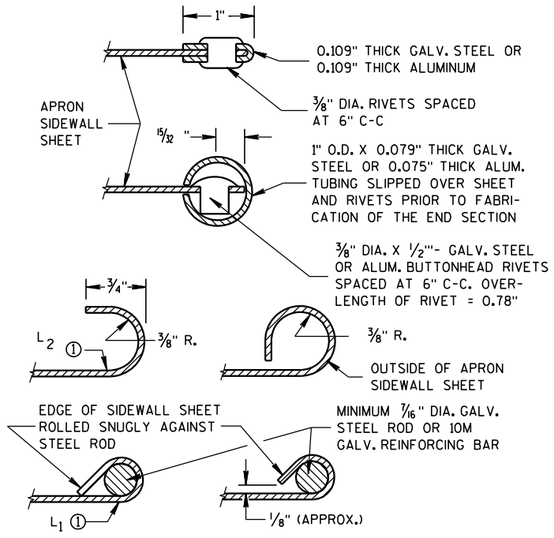


END VIEW



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

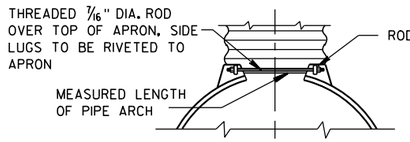
REINFORCED CONCRETE PIPE ARCH

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

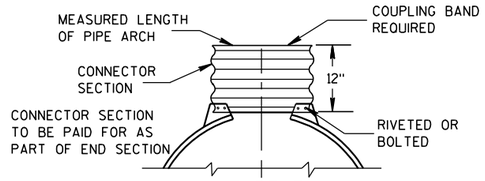
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48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

**NOMINAL SIZE



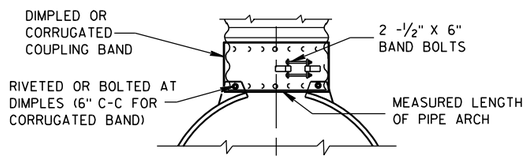
TYPE 2

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

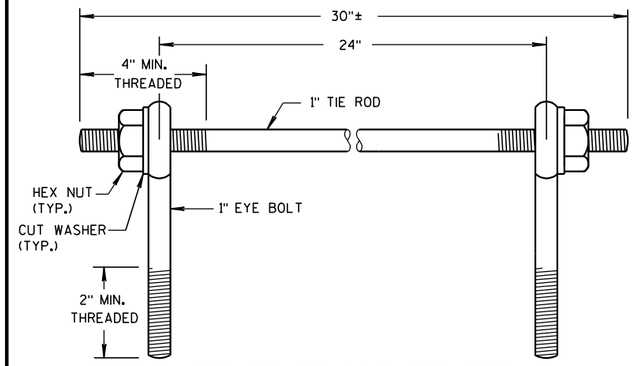
FHWA

6

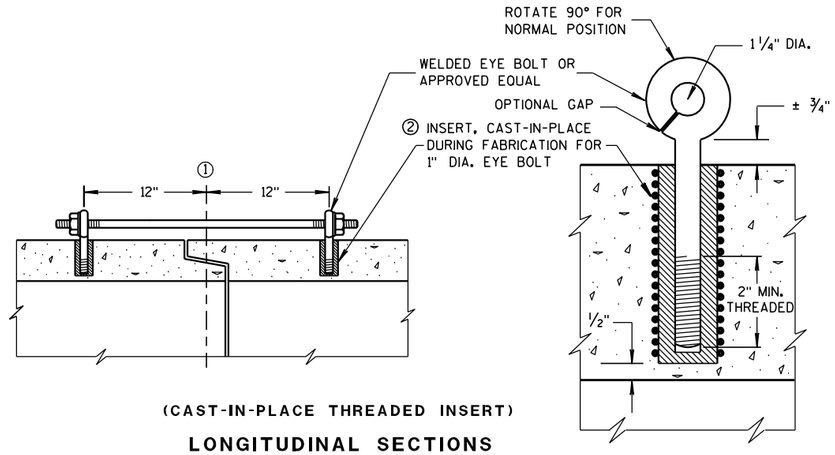
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



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.

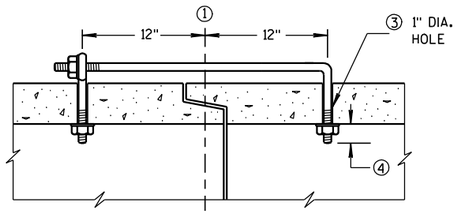
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

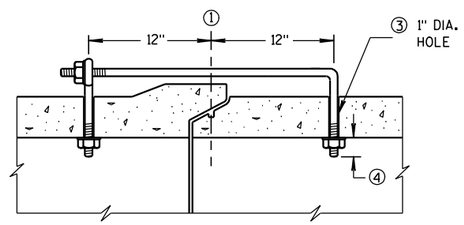
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

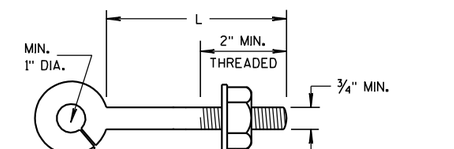


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

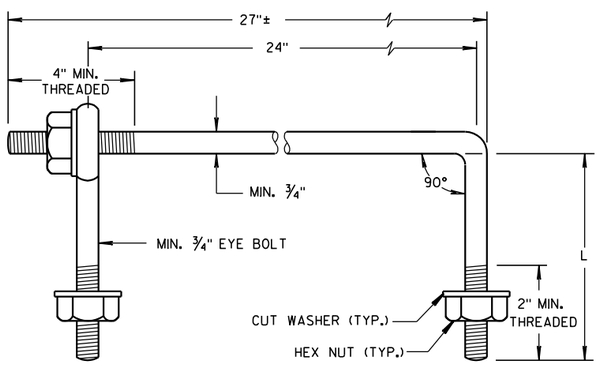
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

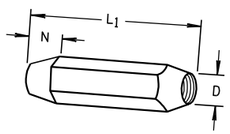
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

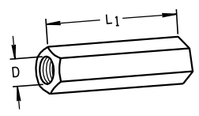
ADJUSTABLE TIE ROD TABLE

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



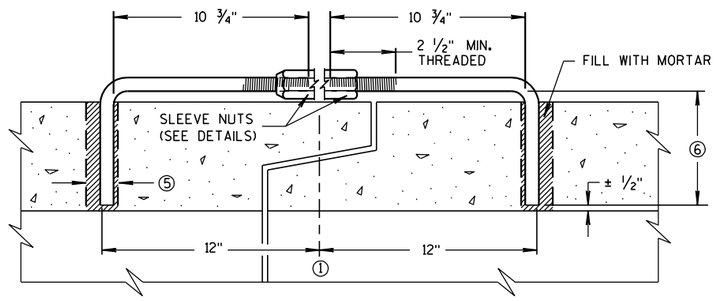
TAPERED



PLAIN

RIGHT AND LEFT THREADS

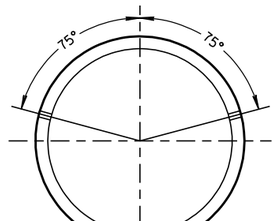
SLEEVE NUTS



LONGITUDINAL SECTION

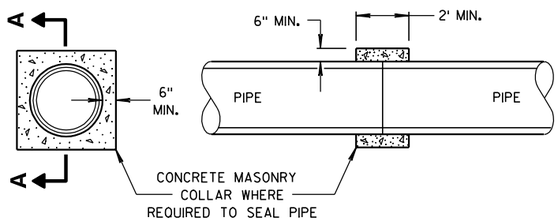
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
248
FHWA

6

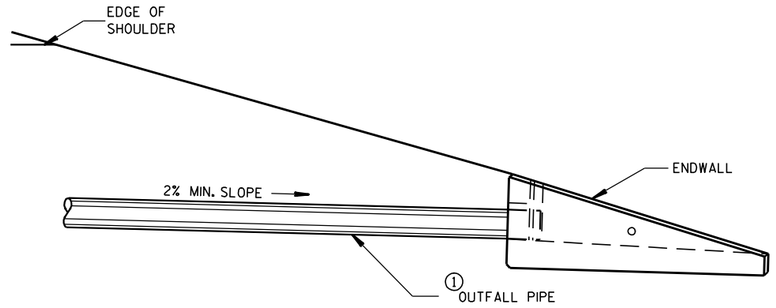
S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION 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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

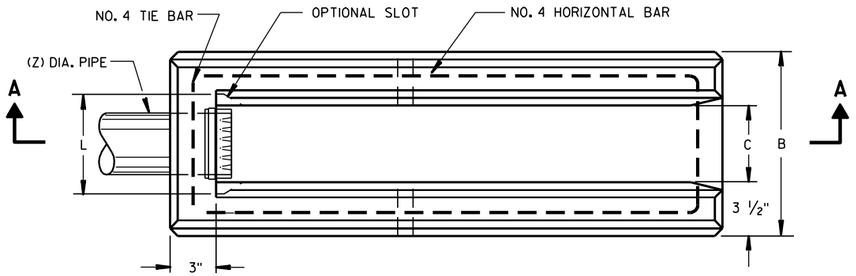
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

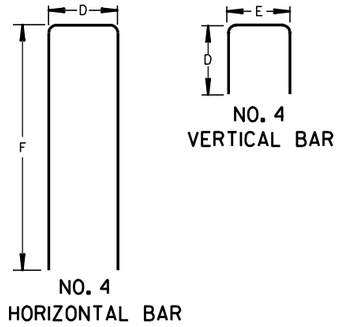
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

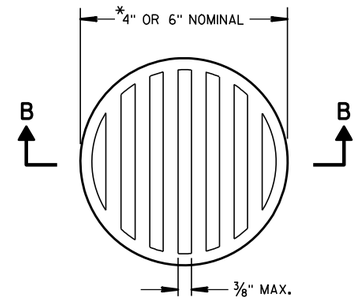
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



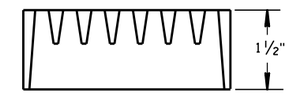
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS



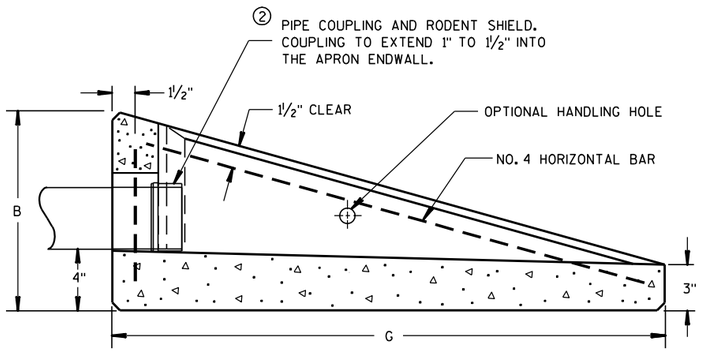
NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



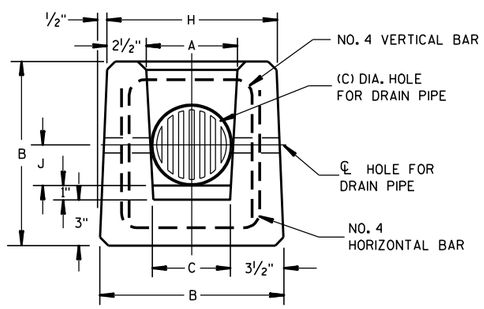
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN

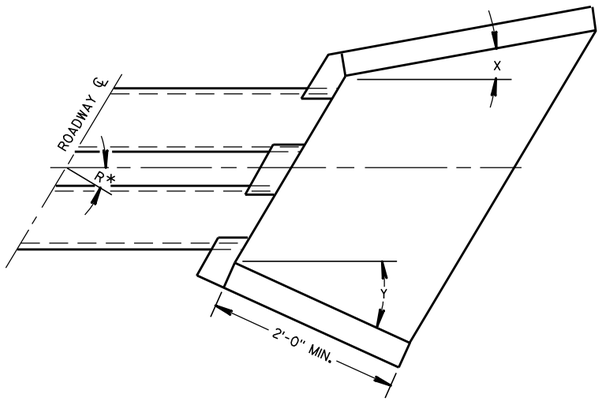
REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 6-4



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

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.

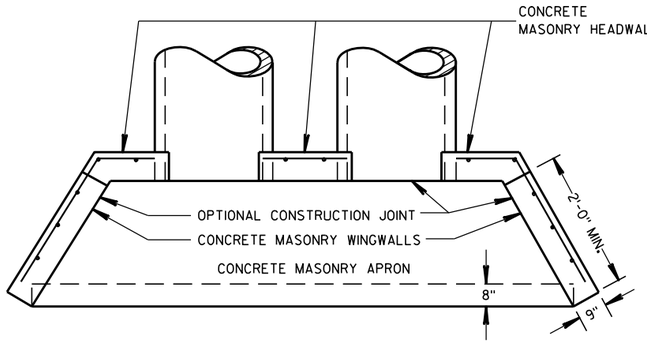
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

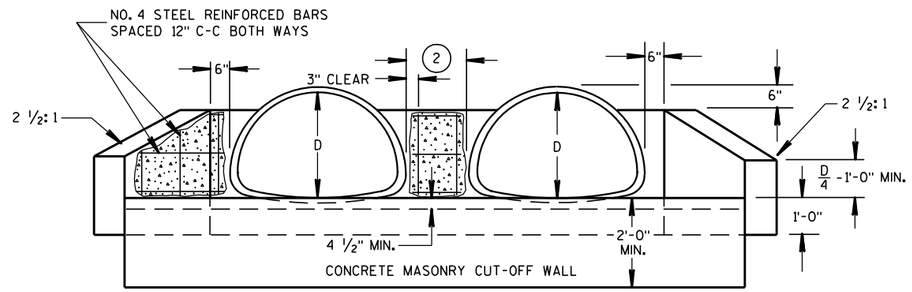
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



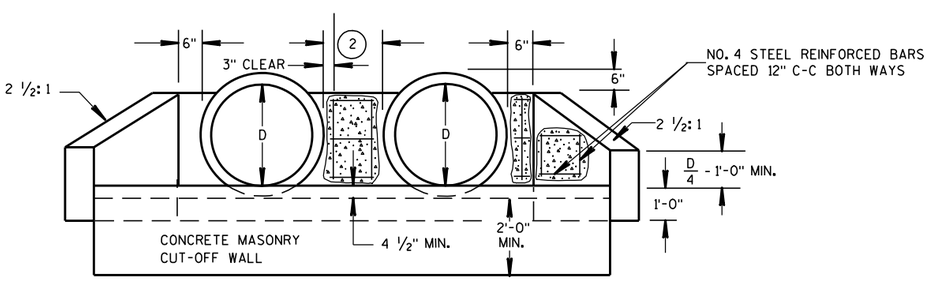
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



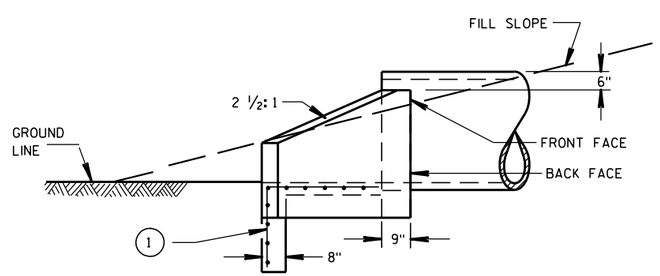
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

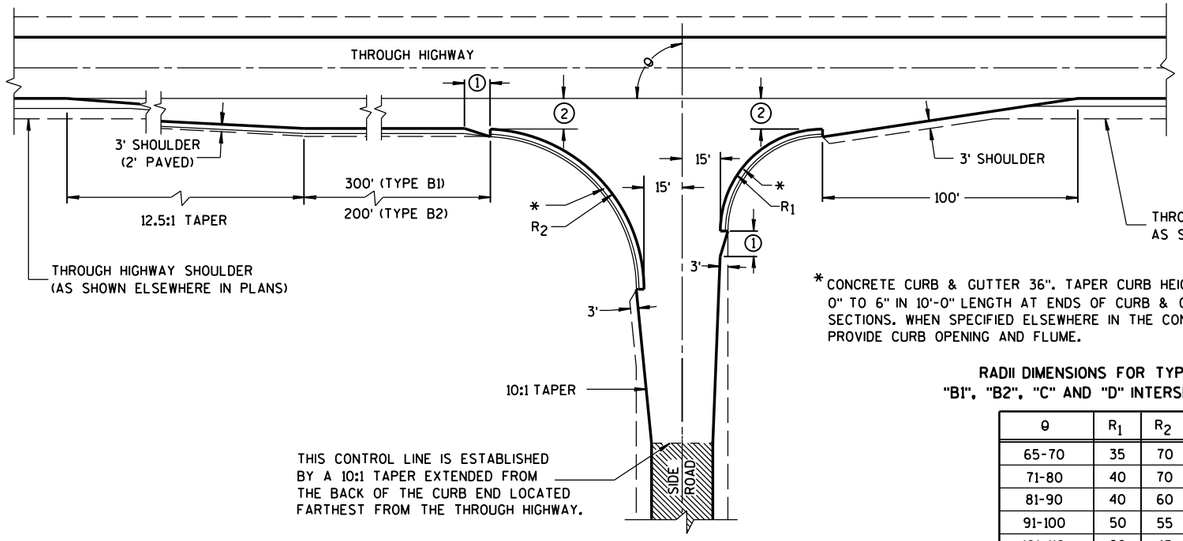
CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 10-1

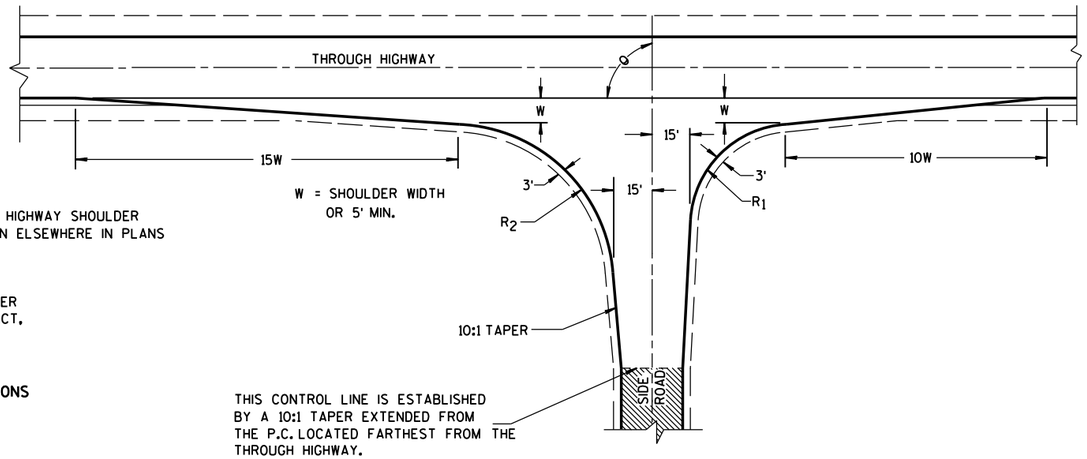


TYPE "B1" AND "B2"

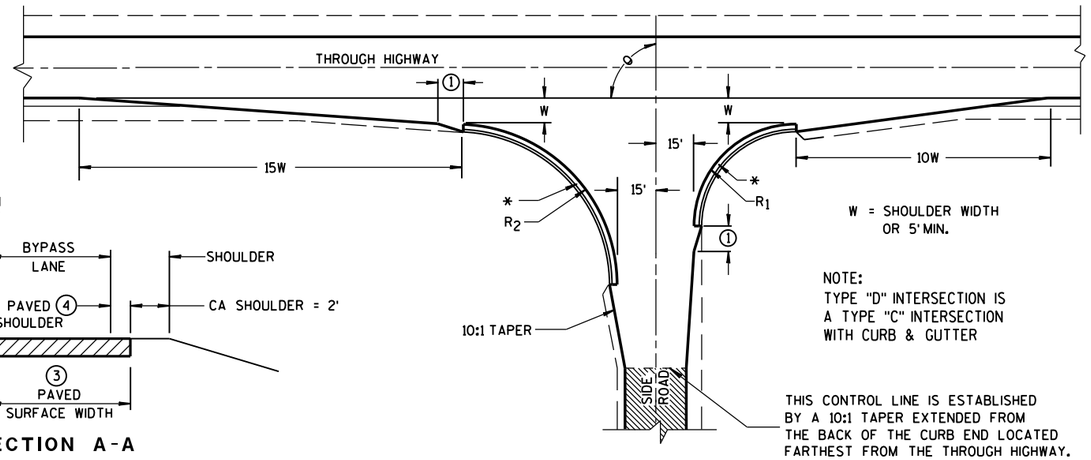
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

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

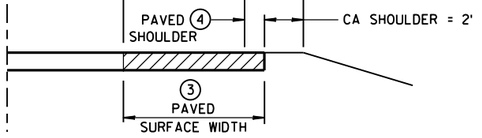
(1) 10-FT TYPICAL.

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

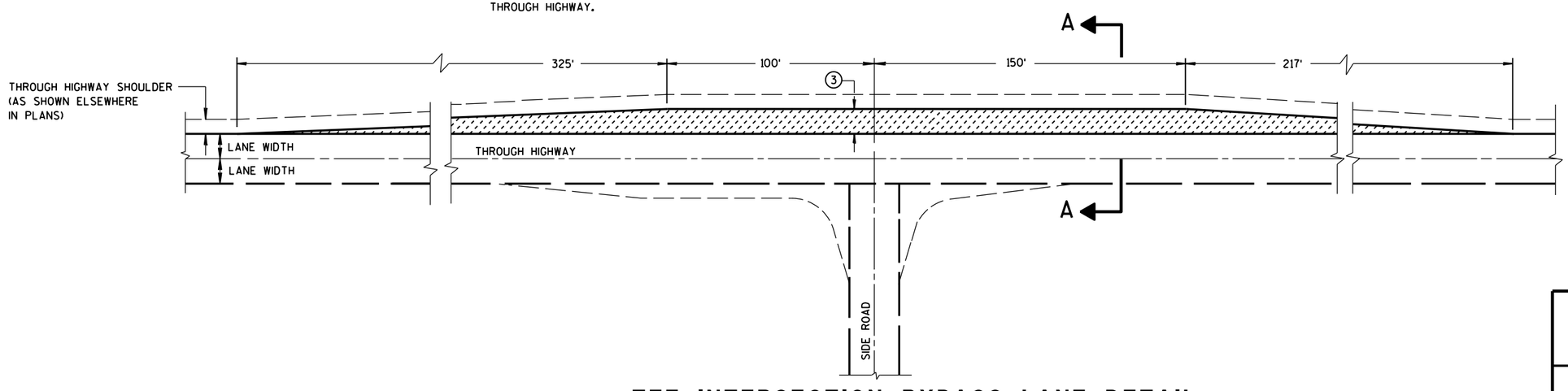
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(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)



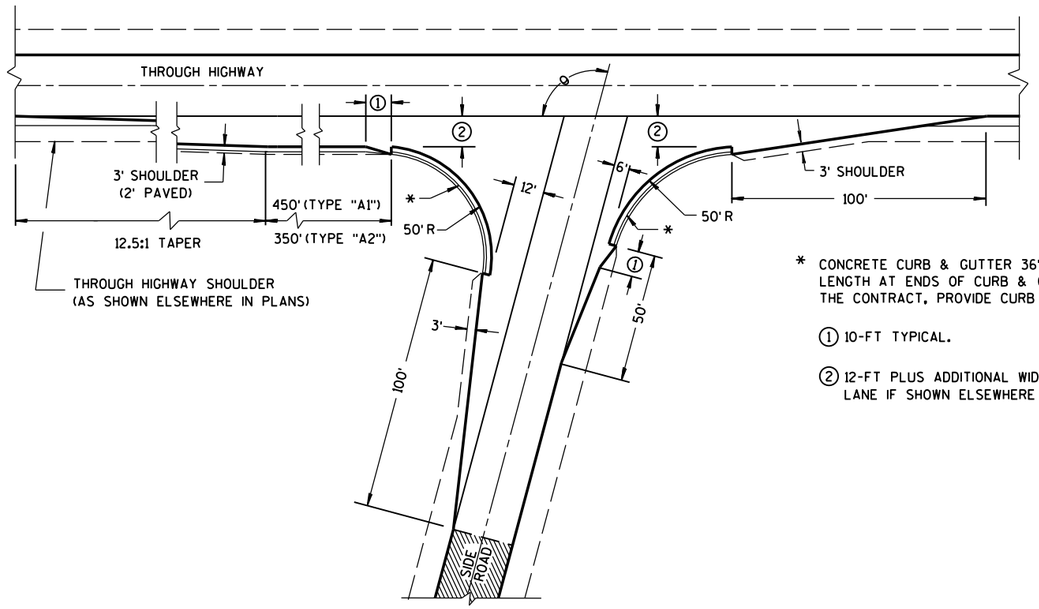
TEE INTERSECTION BYPASS LANE DETAIL

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



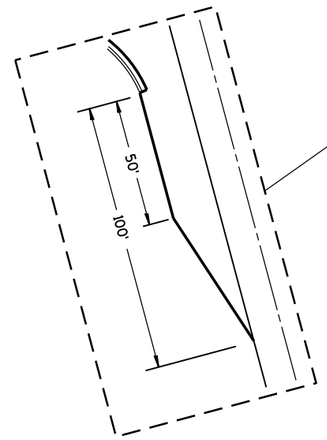
θ = MORE THAN 80°

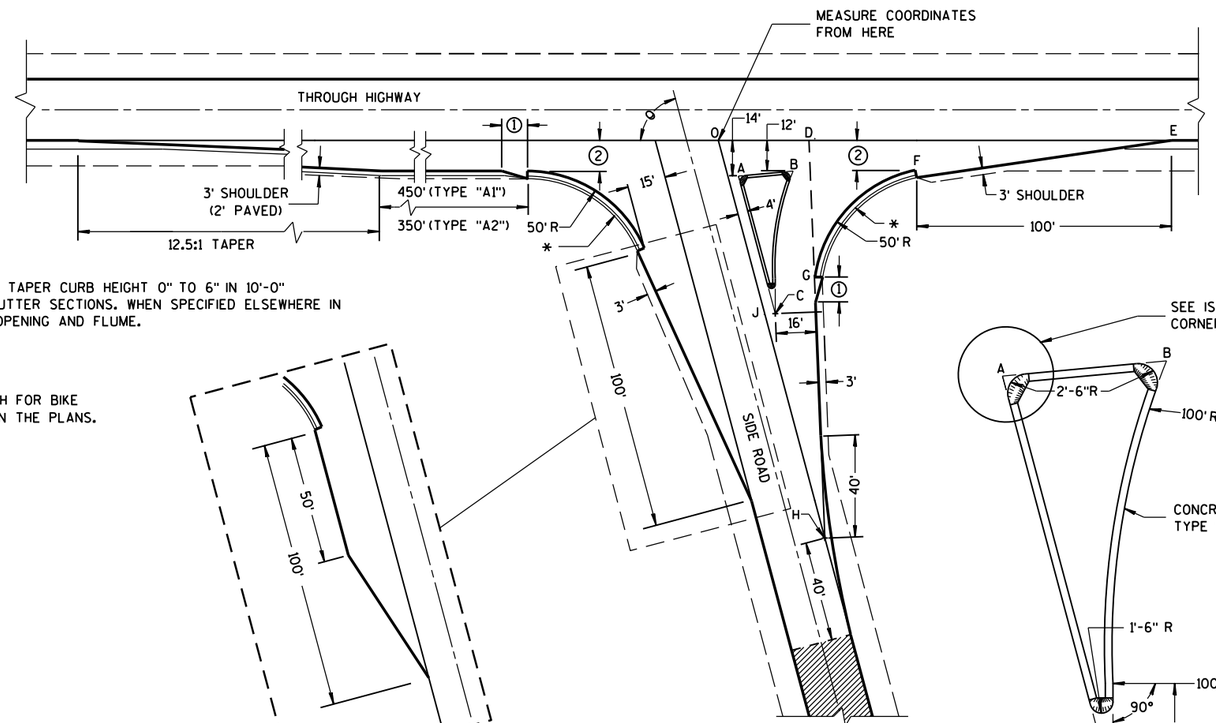
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

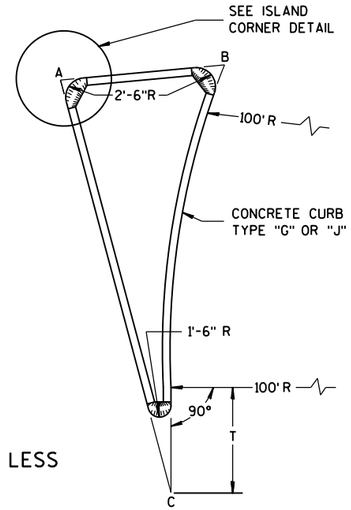
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE

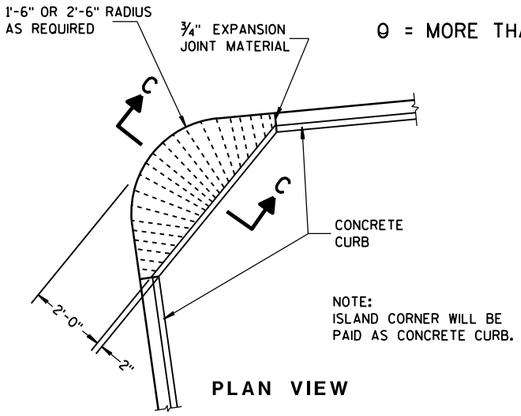




θ = ACUTE ANGLES 80° OR LESS

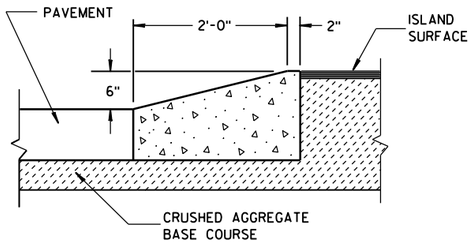


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE
THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS



NOTE:
ISLAND CORNER WILL BE
PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

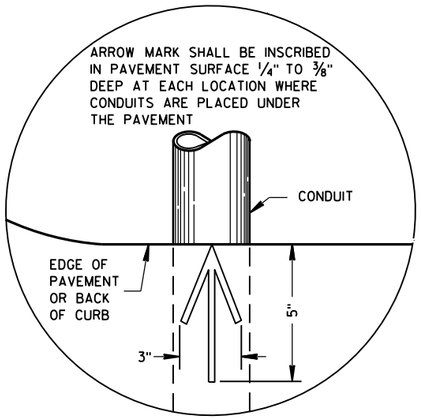
AT-GRADE SIDE ROAD
INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

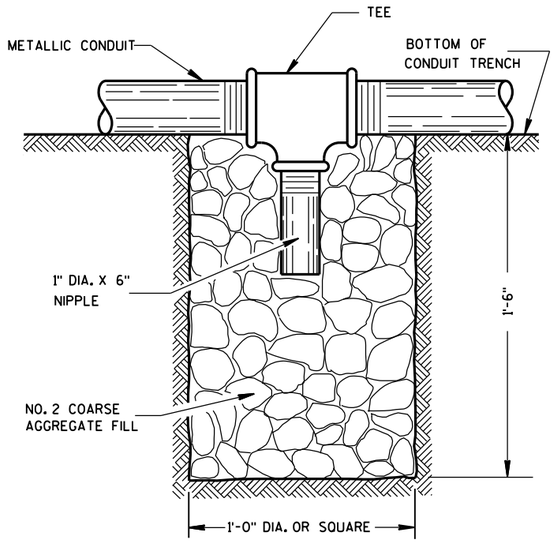
S.D.D. 9 A 1-13b

6



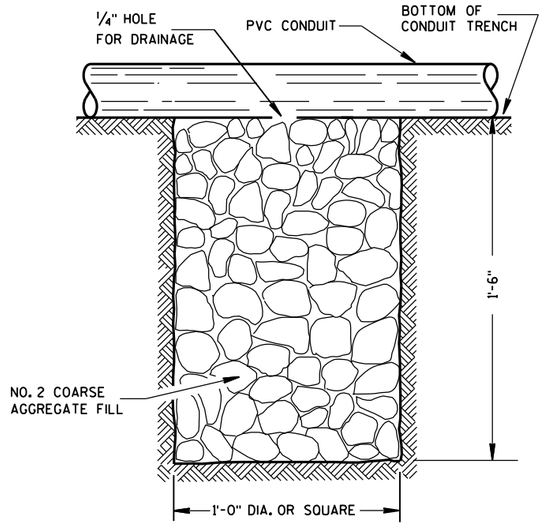
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

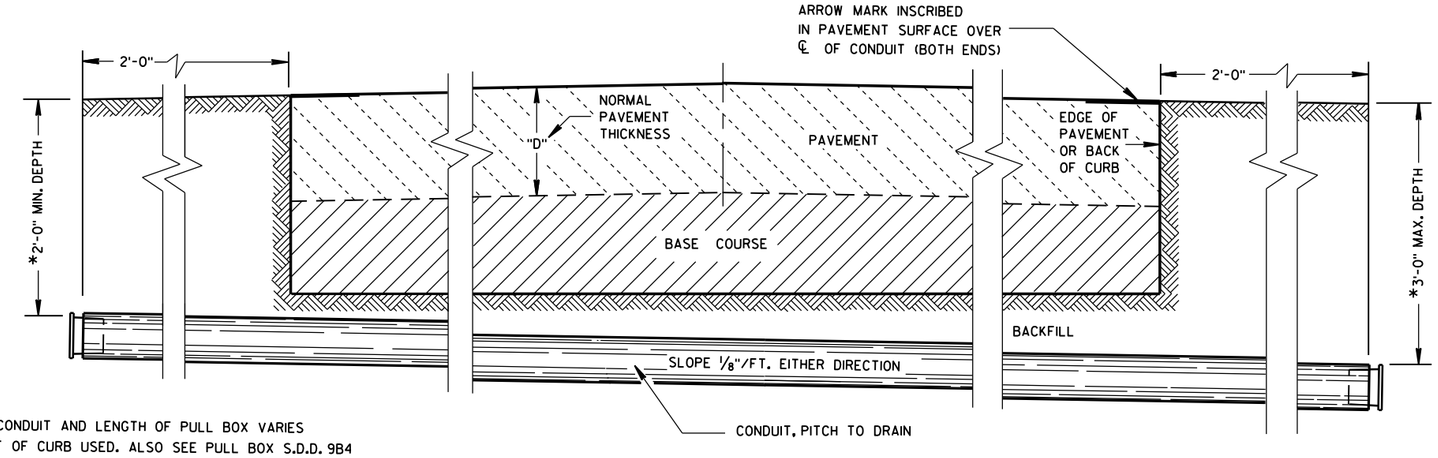
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

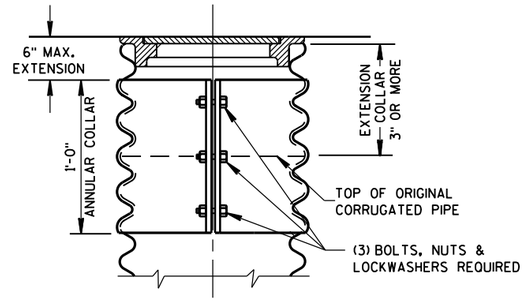
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

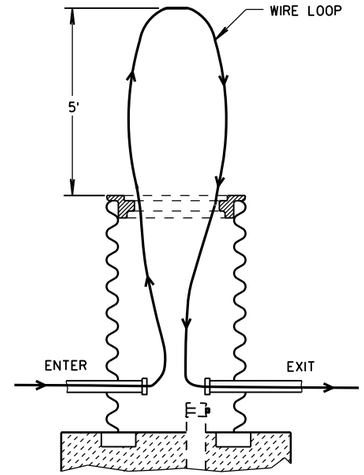
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

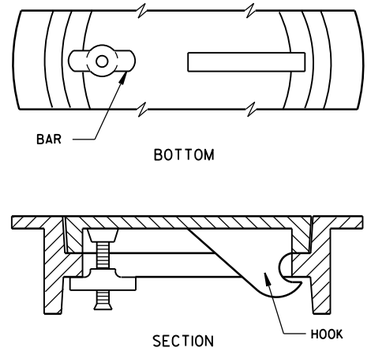
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

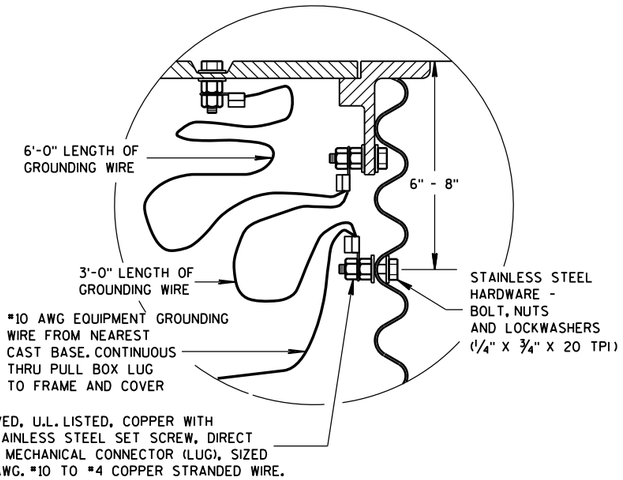


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

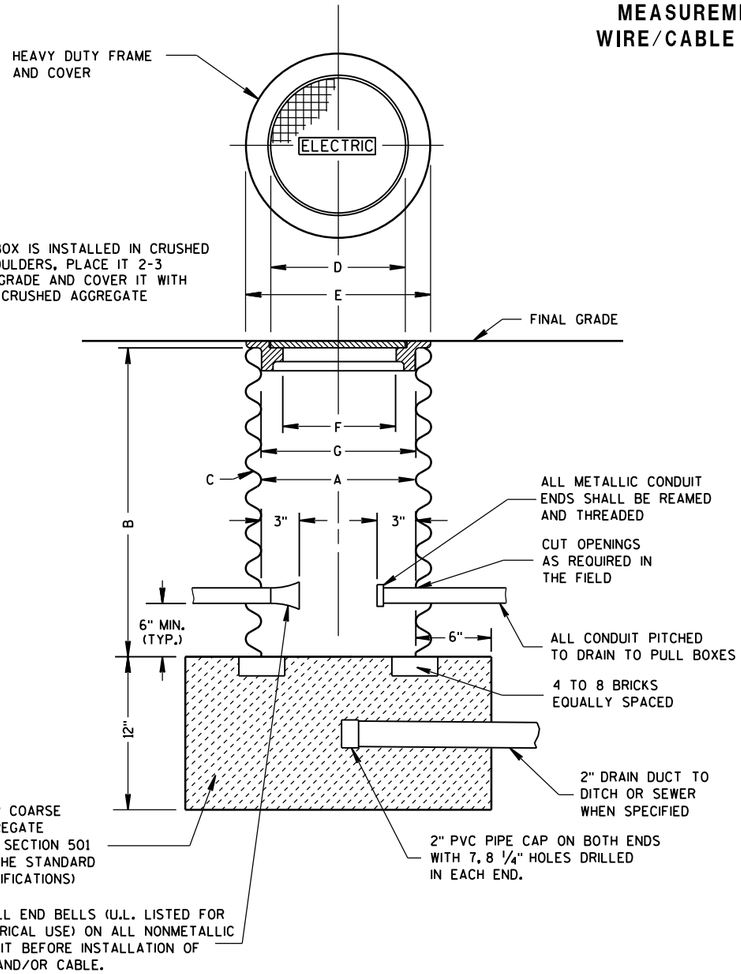


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

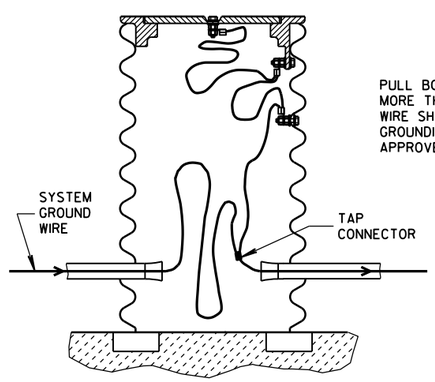
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

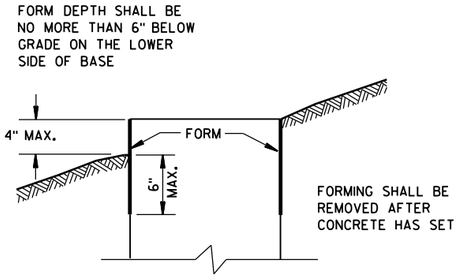
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

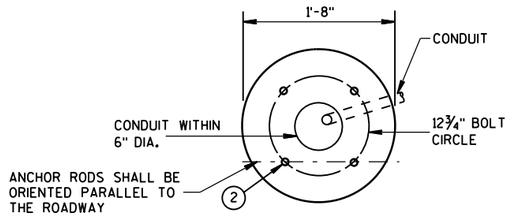
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

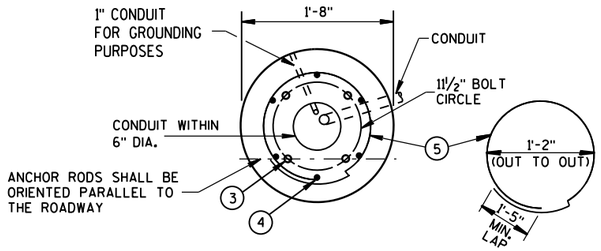
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

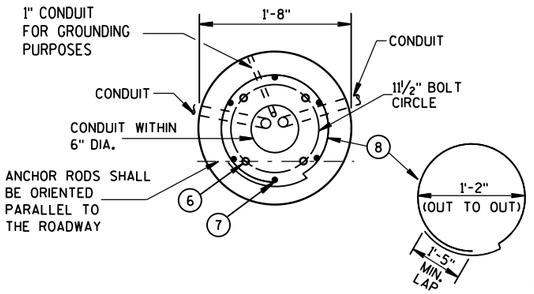
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

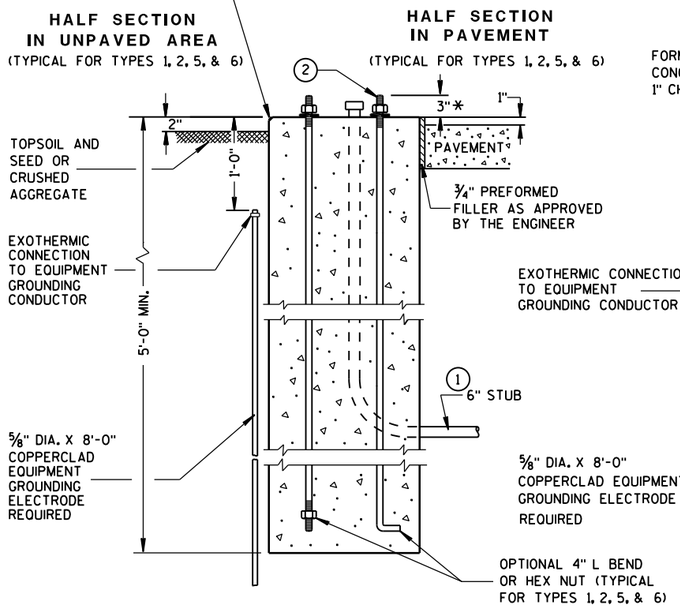
(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



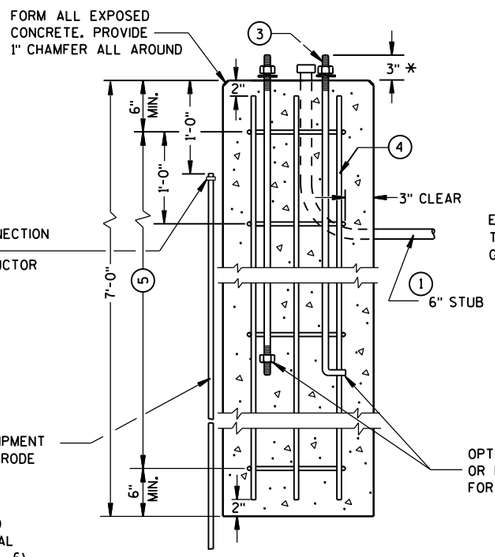




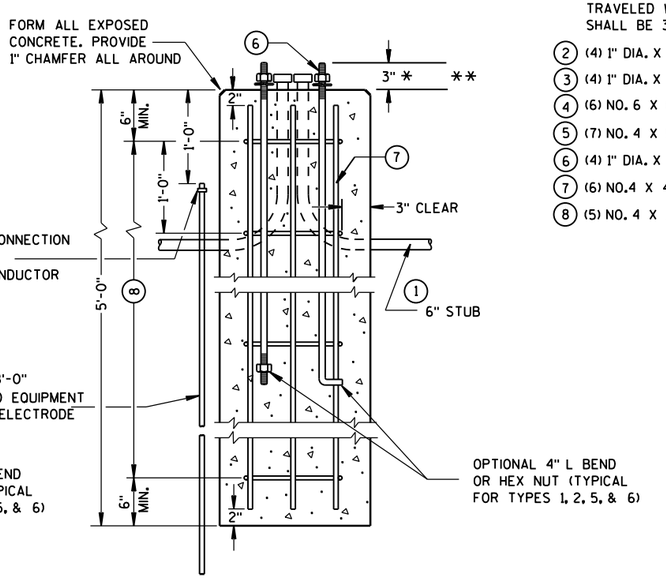
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)



HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 255
FHWA

6
S.D.D. 9 C 2-7

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

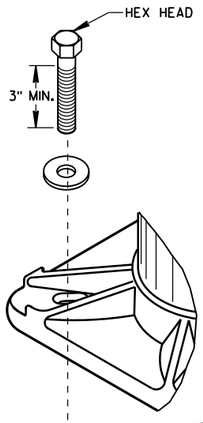
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

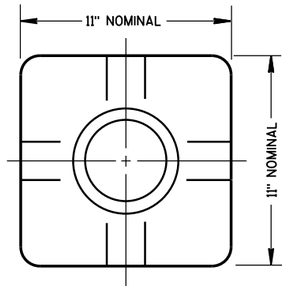
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

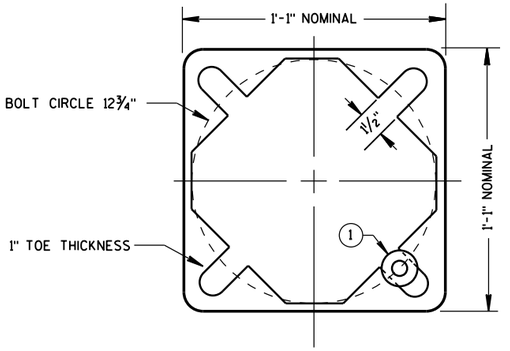
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

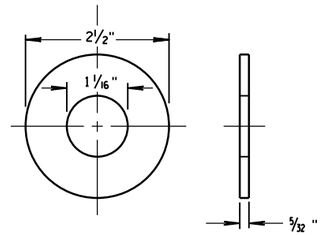




TOP VIEW
(PEDESTAL BASE)

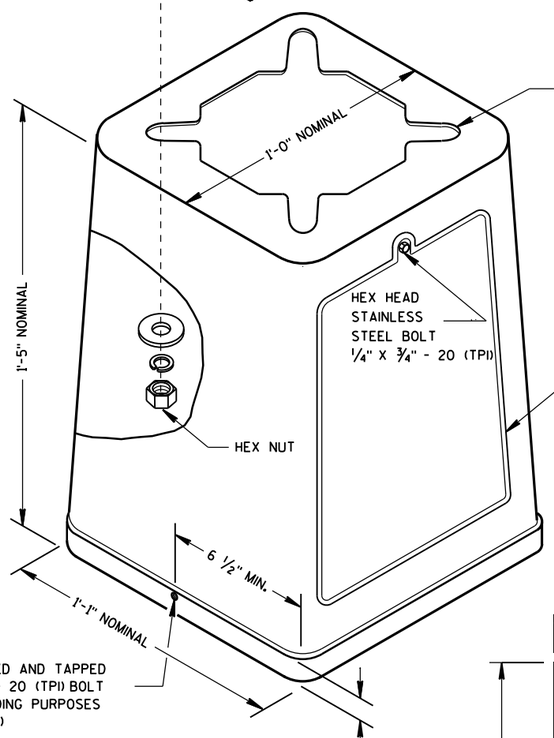


BOTTOM VIEW
(PEDESTAL BASE)

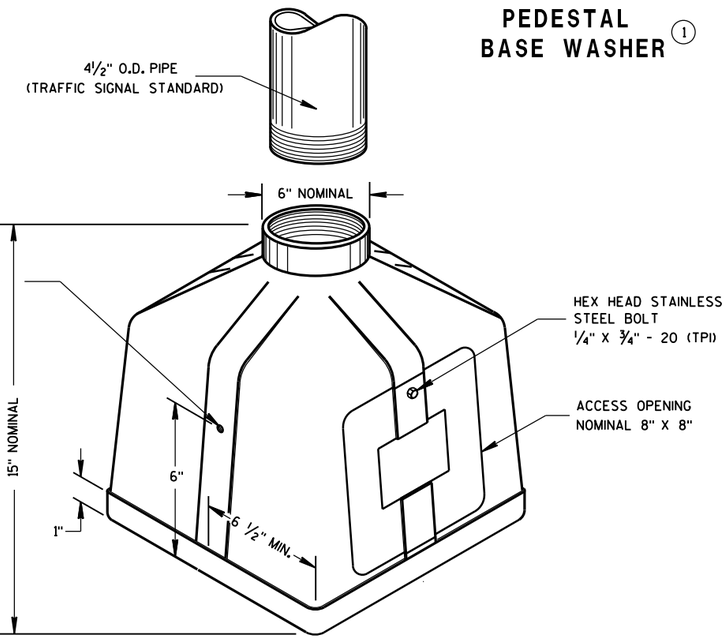


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

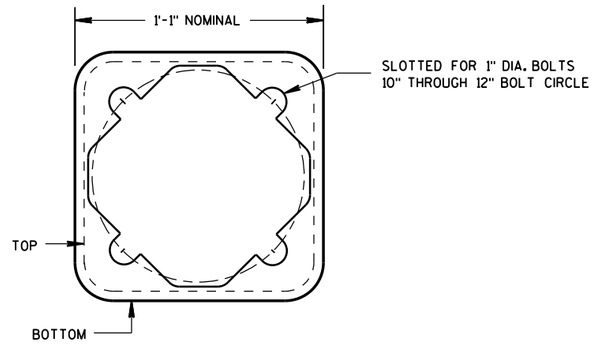


ISOMETRIC VIEW

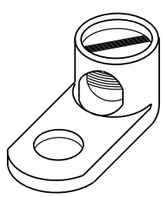


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

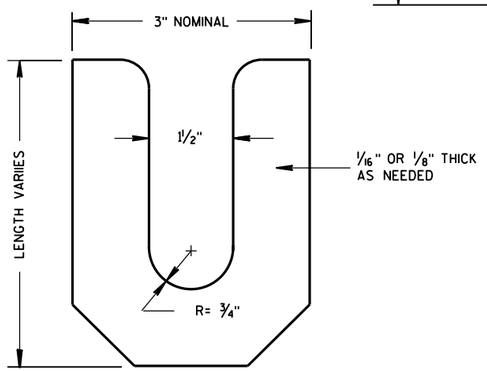


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

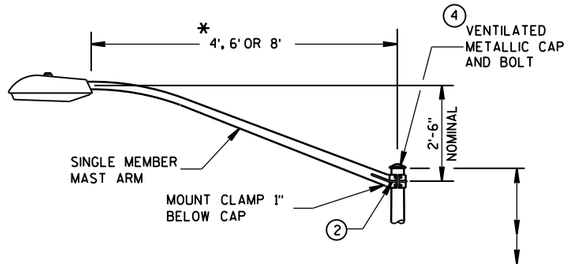
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

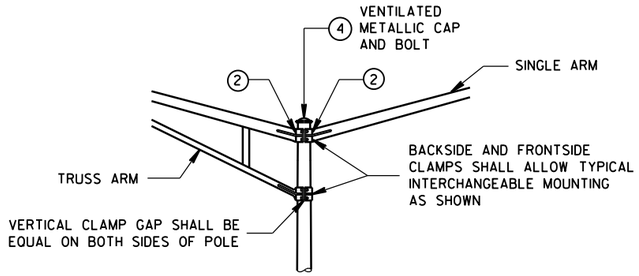
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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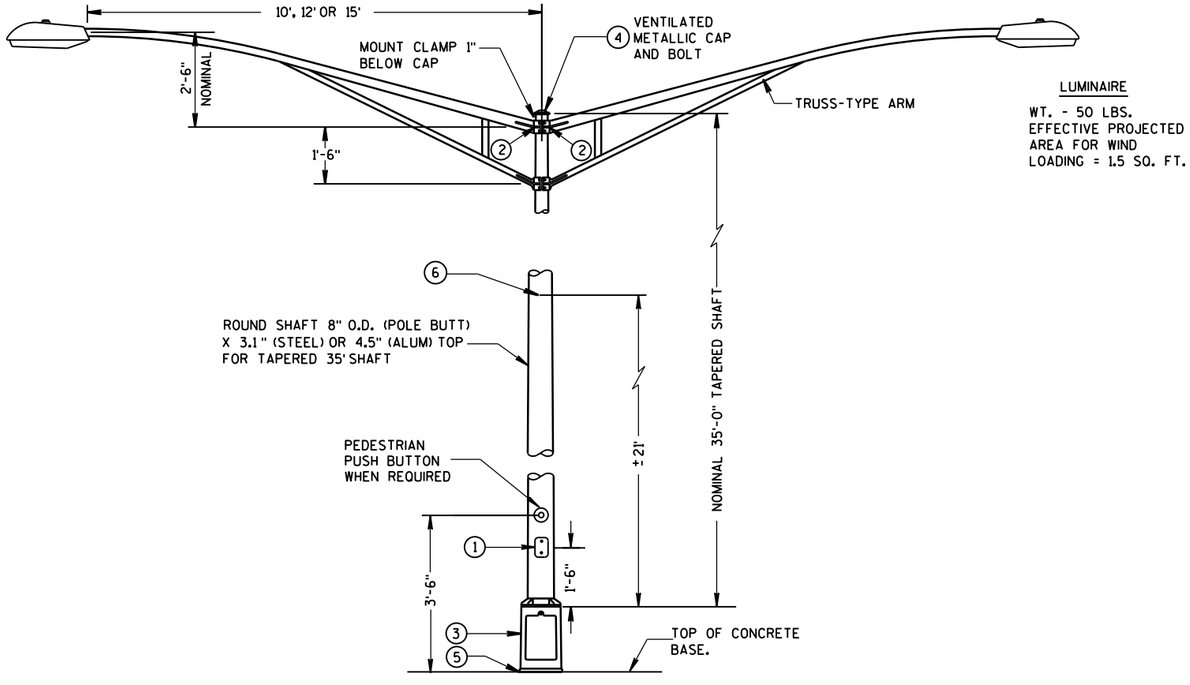
S.D.D. 9 C 3-4

* RISE FOR 4' ARM SHALL BE 2'-0".





INTERCHANGEABLE MOUNTING DETAIL



TYPE 6 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

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

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE EITHER GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 6 ALUMINUM POLES, SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 6 ALUMINUM POLES SHALL HAVE MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

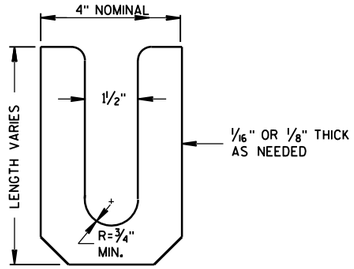
(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

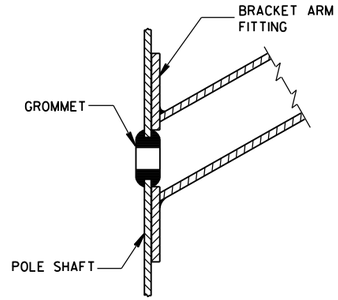
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S.D.D. 9 E 1-14e

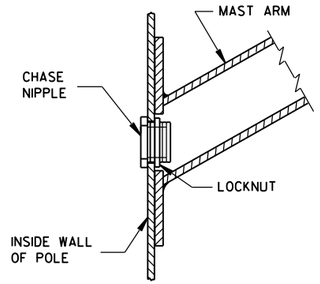


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

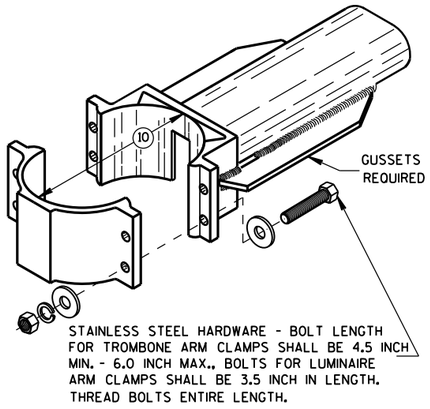
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

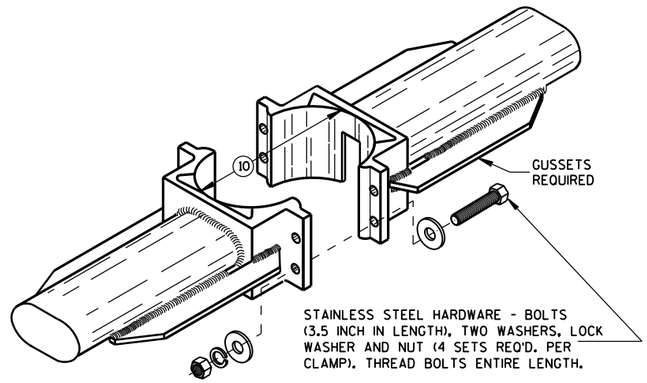
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

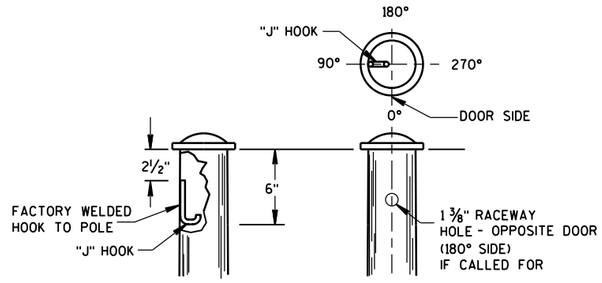
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



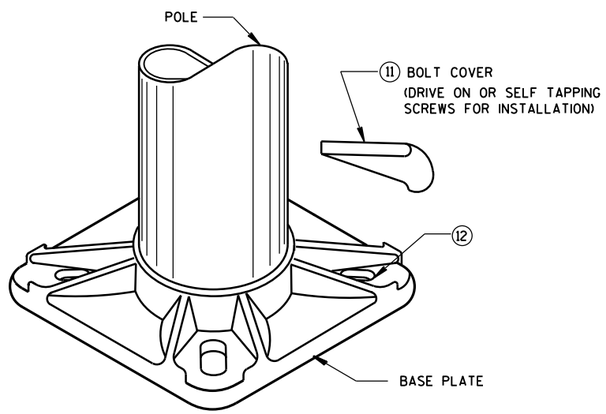
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



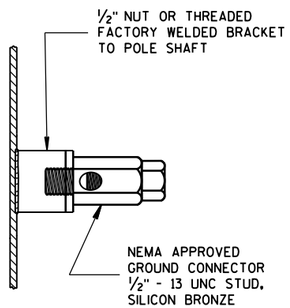
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

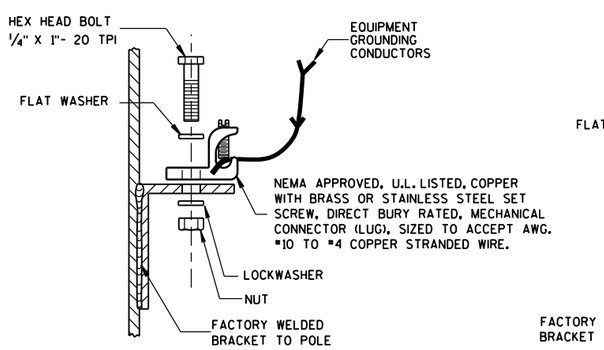


TYPICAL "J" HOOK LOCATION



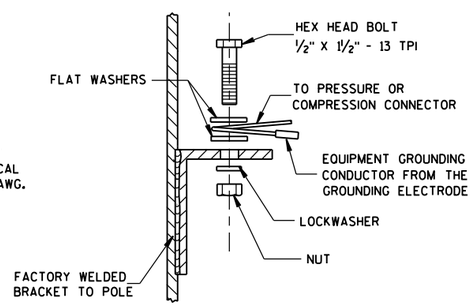
BASE PLATE





TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL 258

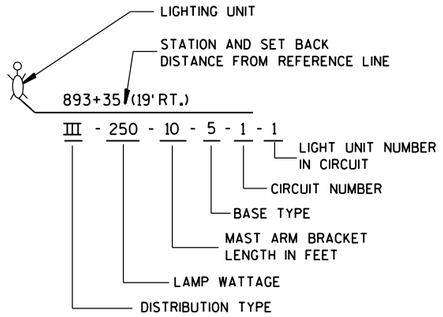
FHWA

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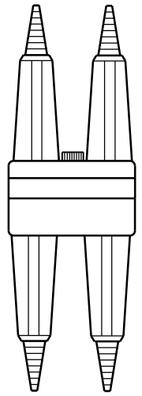
S.D.D. 9 E 1-14g

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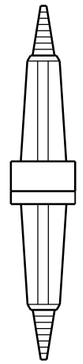
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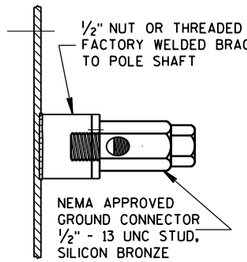
LIGHTING UNIT CODE
(TYPICAL)

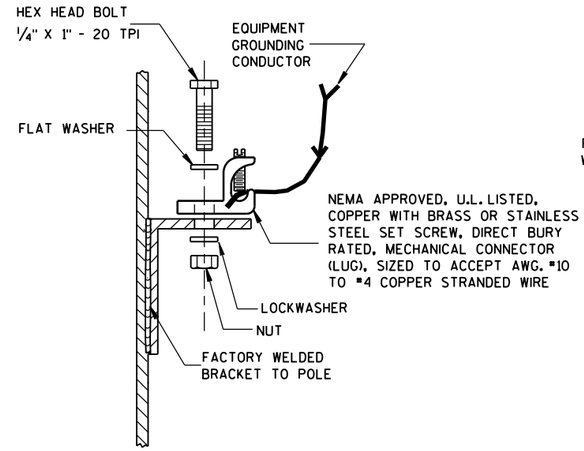


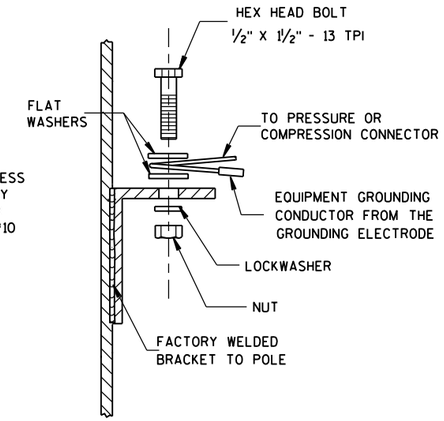
DETAIL "A"
BREAKAWY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



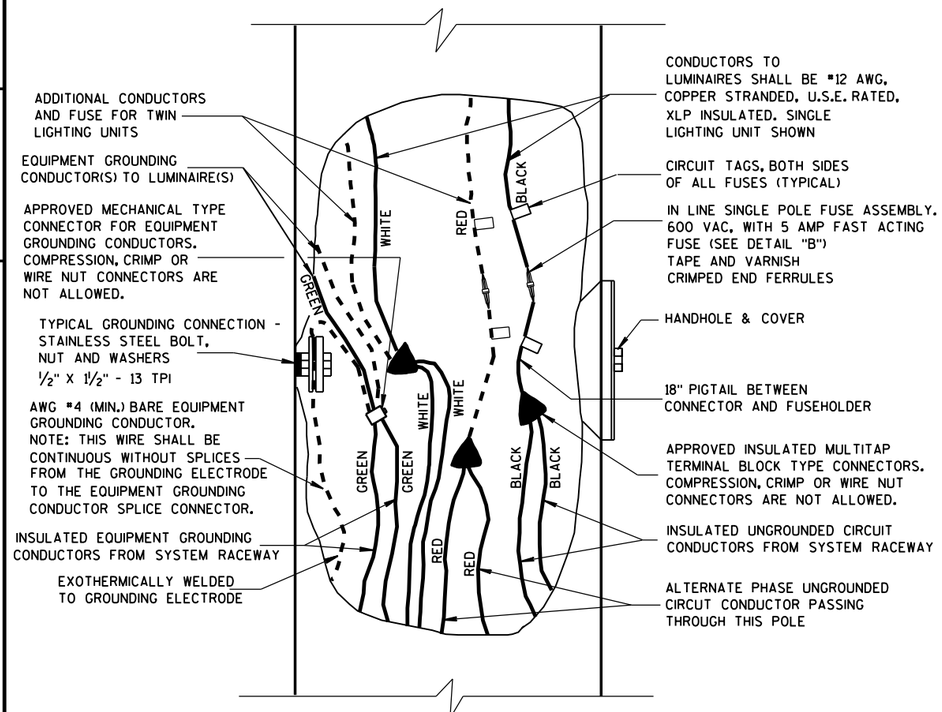
DETAIL "B"
BREAKAWY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



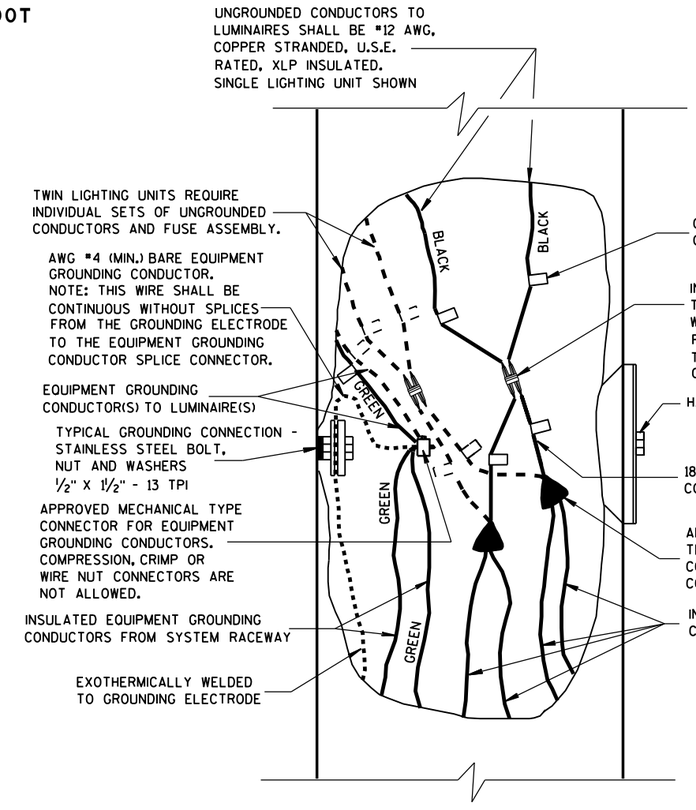




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

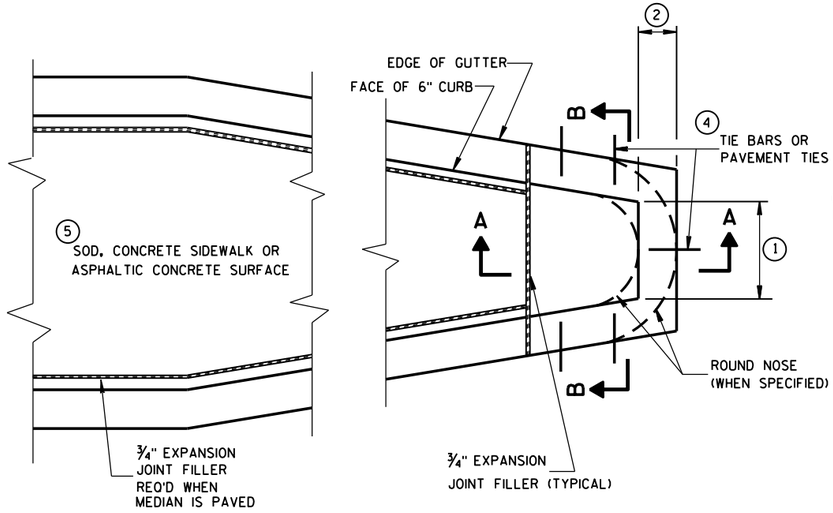
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

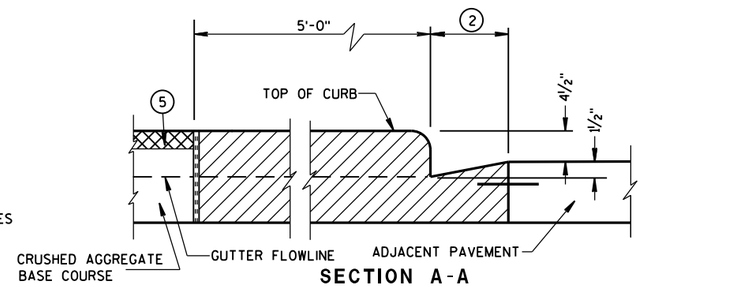
NON-FREEWAY LIGHTING UNIT POLE WIRING

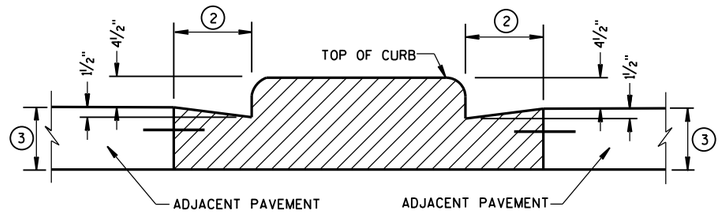
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 E 3-5







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.

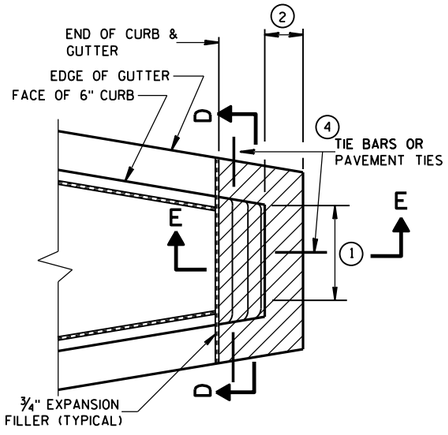
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

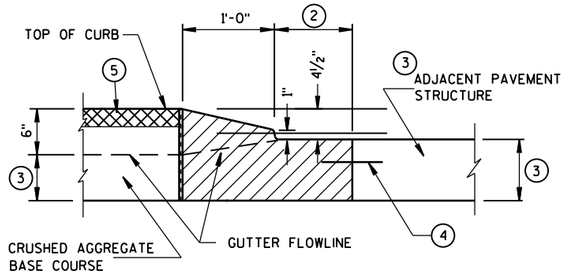
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

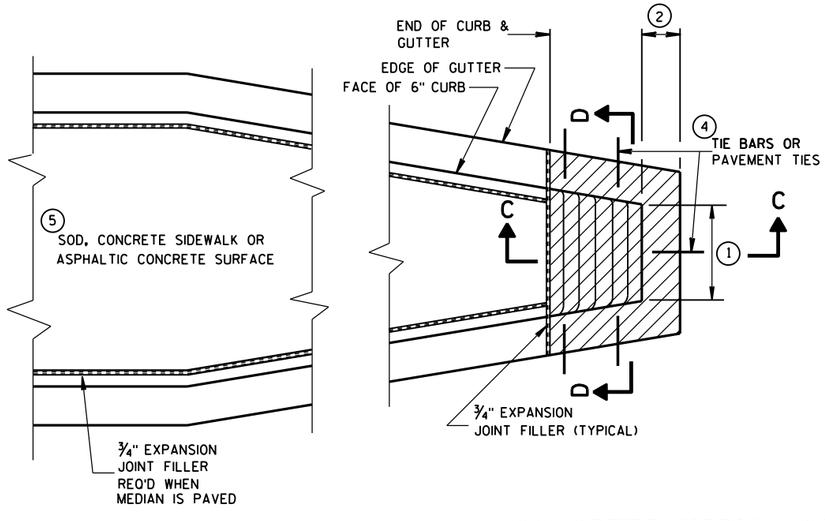
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

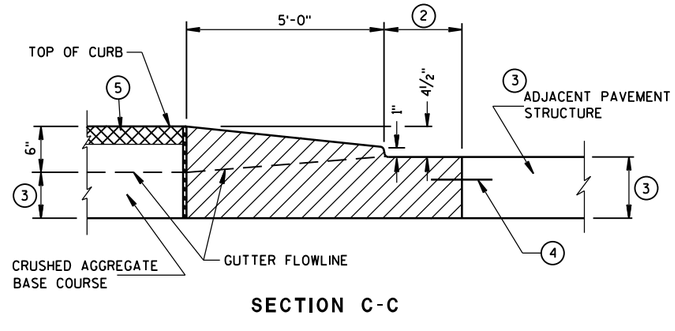




SECTION E-E

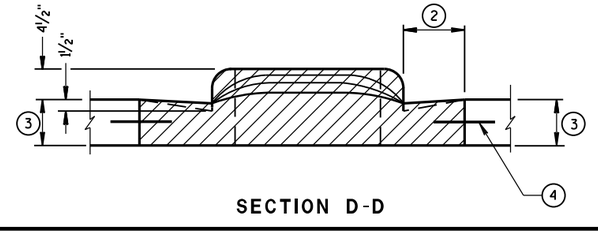
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

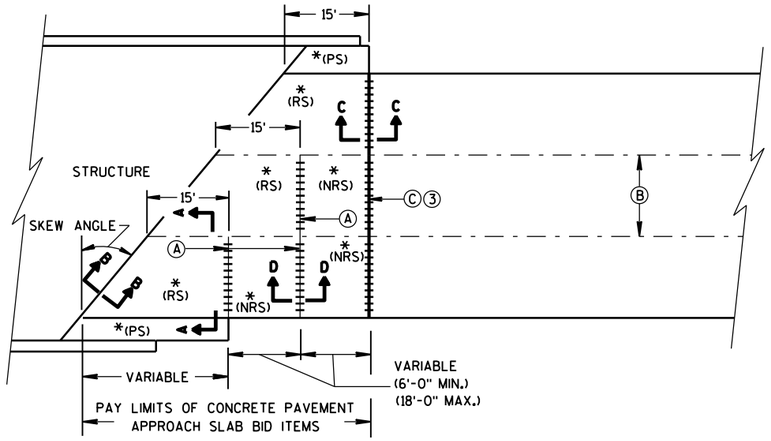
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
260
FHWA

6

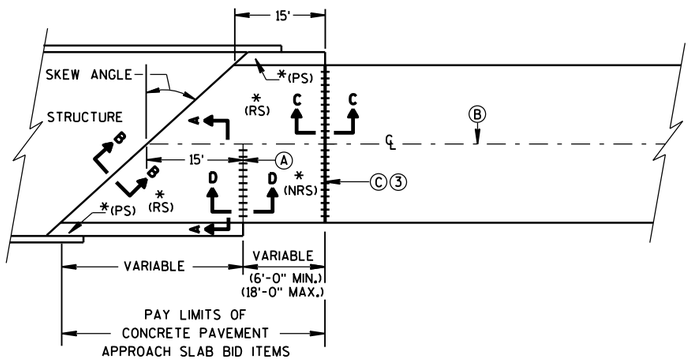
S.D.D. 11 B 2-2

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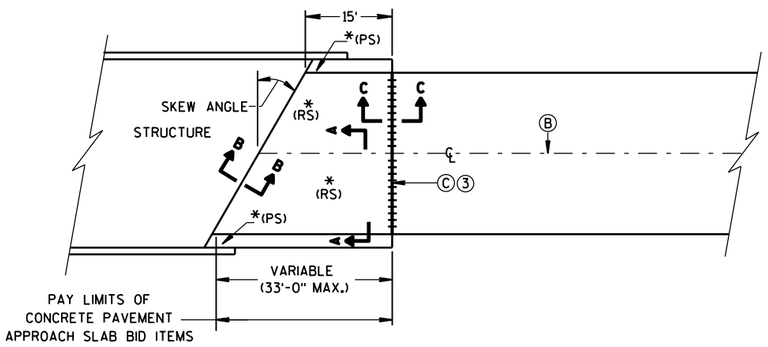
S.D.D. 11 B 2-2



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

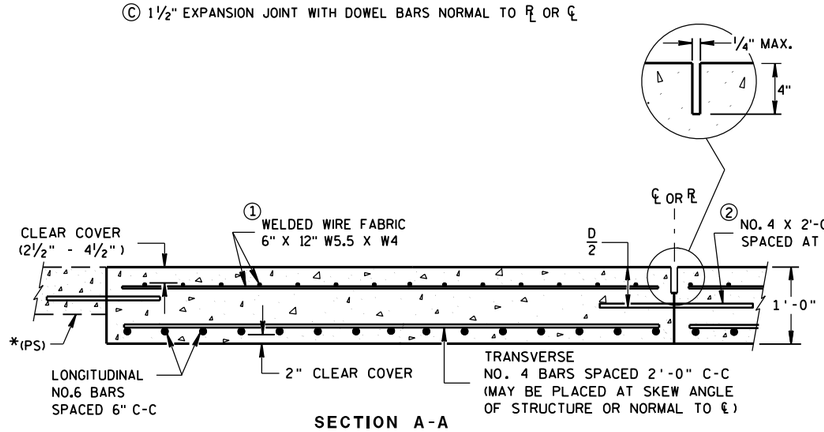
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

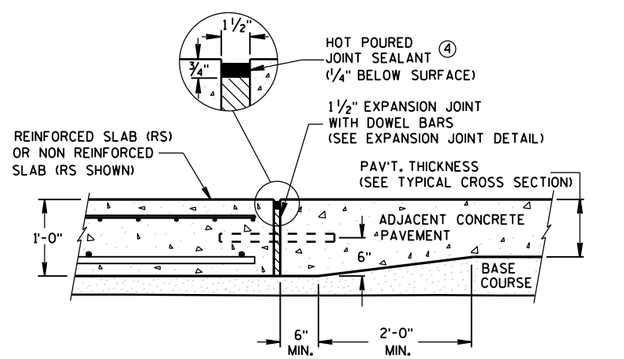
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄

Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.

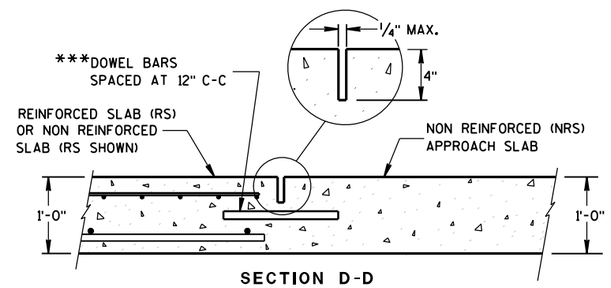
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

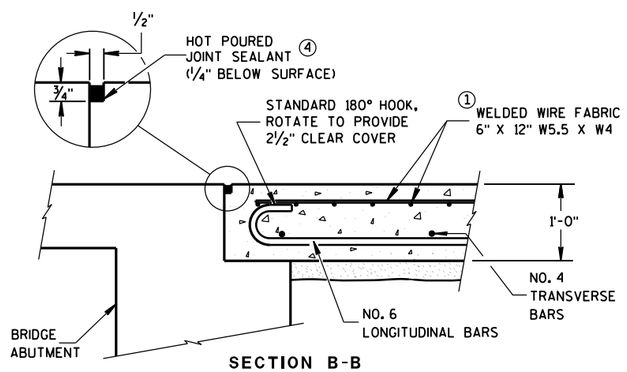
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

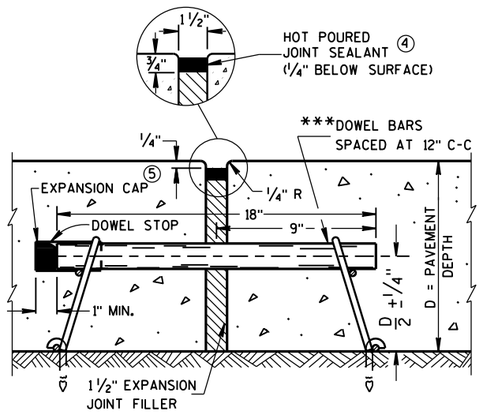
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

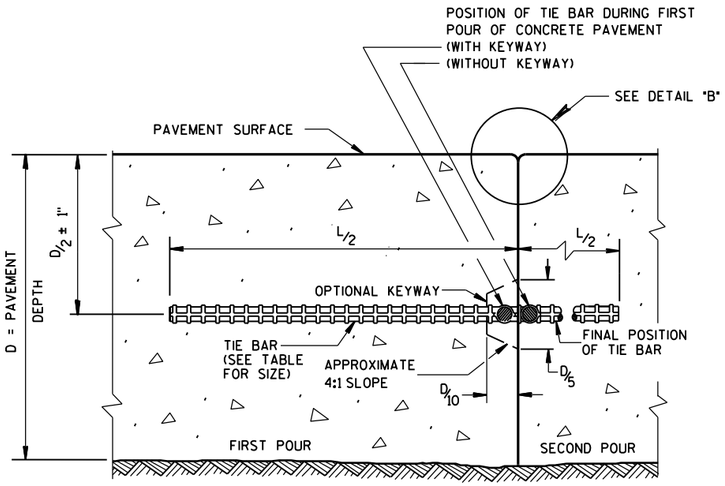
APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

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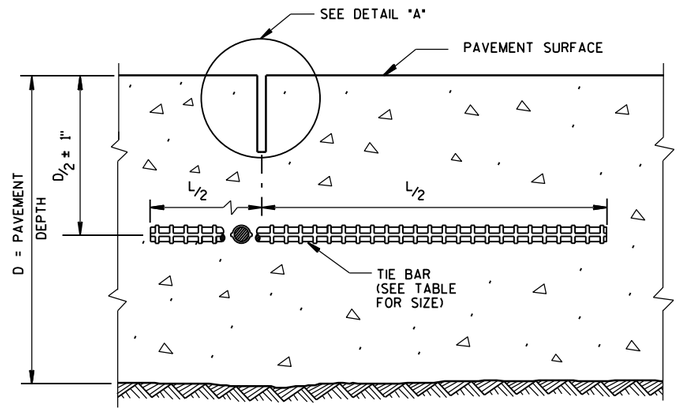
S.D.D. 13 B 2-8a

6

S.D.D. 13 B 2-8a



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"

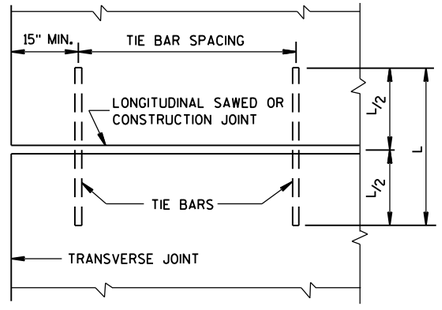
DETAIL "C"

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

GENERAL NOTES

1. WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

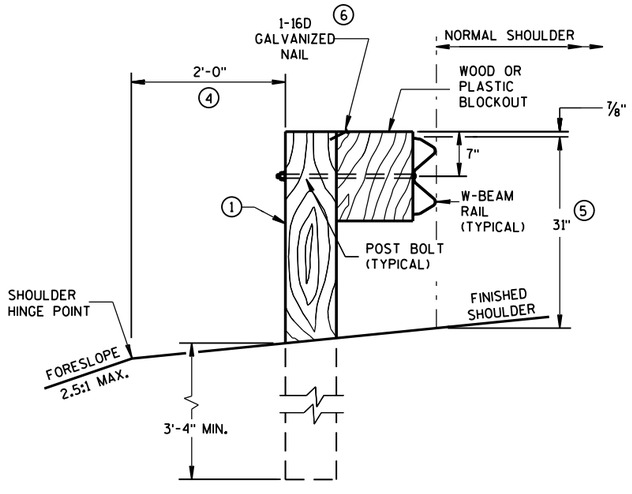
2. USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

3. IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

4. WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

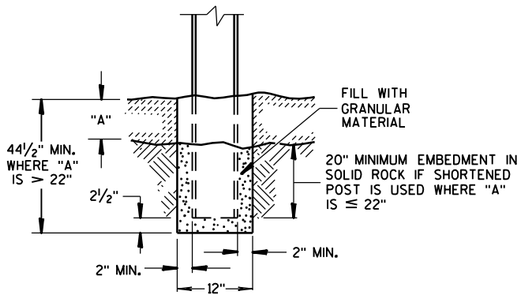
5. FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

6. WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



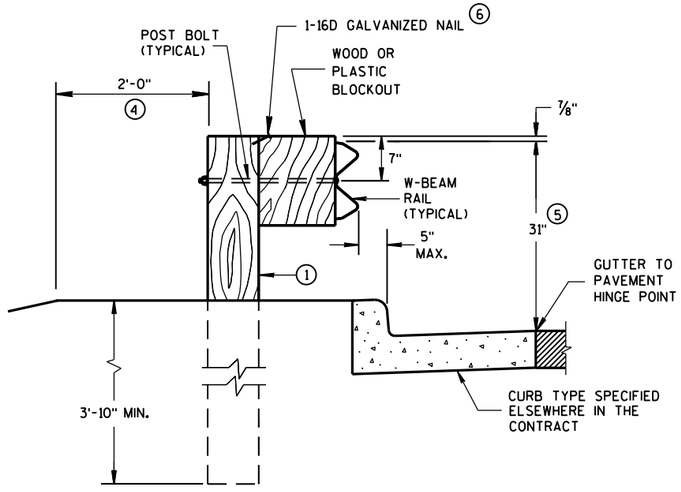
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



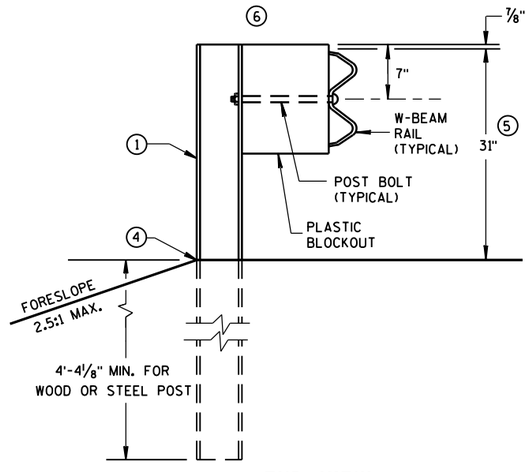
END VIEW

SETTING STEEL OR WOOD POST IN ROCK 3



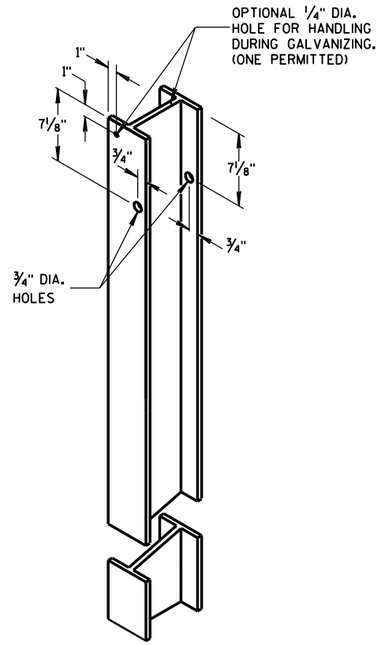
END VIEW

LOCATED ALONG A CURBED ROADWAY

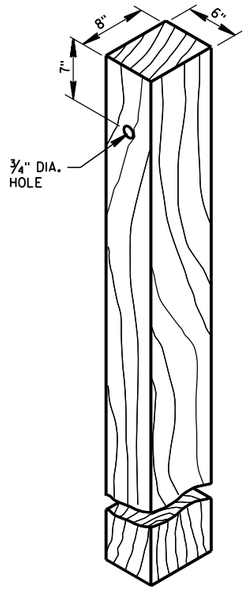


END VIEW

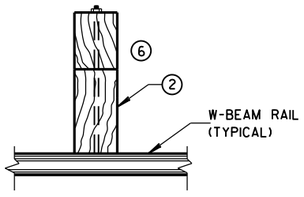
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



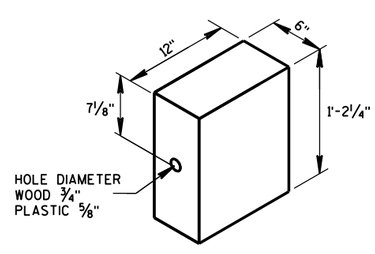
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) 1



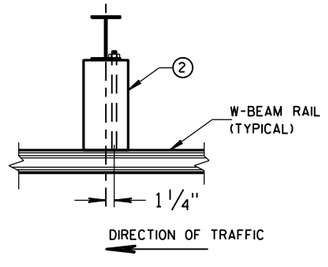
WOOD POST
(6" X 8") NOMINAL 1



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



WOOD OR
PLASTIC BLOCKOUT 2

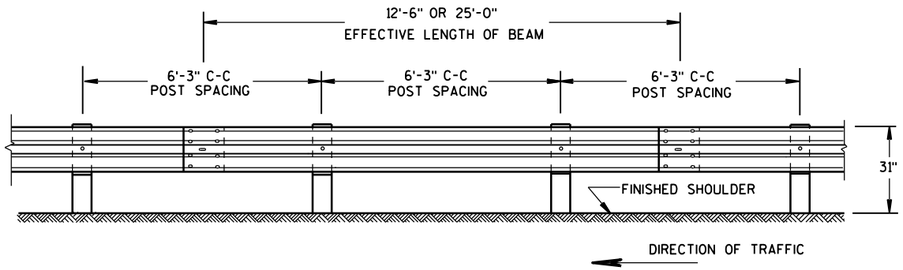


PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

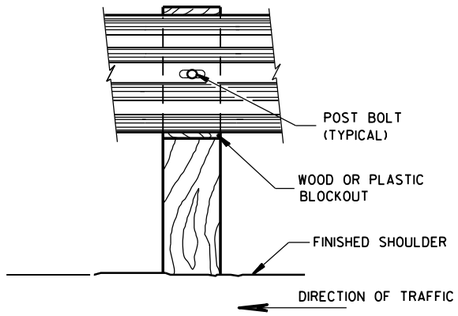
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 42-3a



FRONT VIEW

POST SPACING STANDARD INSTALLATION



FRONT VIEW AT WOOD POST

GENERAL NOTES

(7) PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

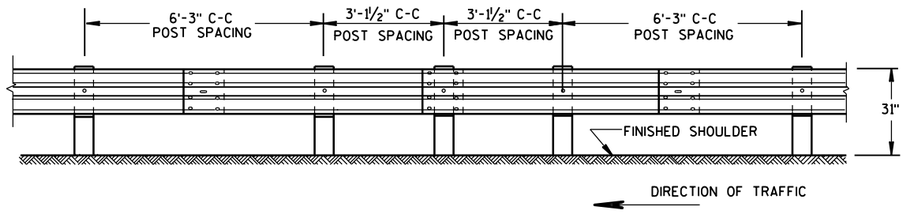
(9) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.

(10) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.

(11) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

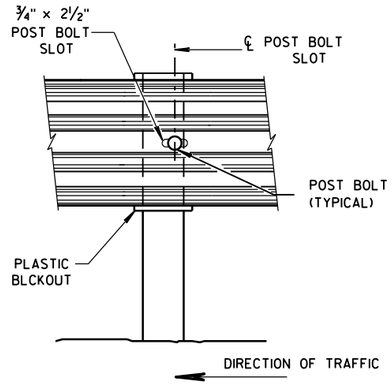
POST BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 5/8" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

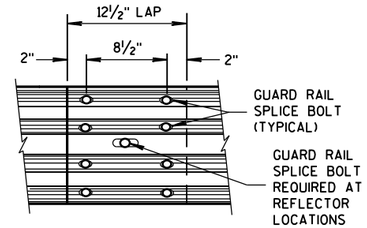


FRONT VIEW

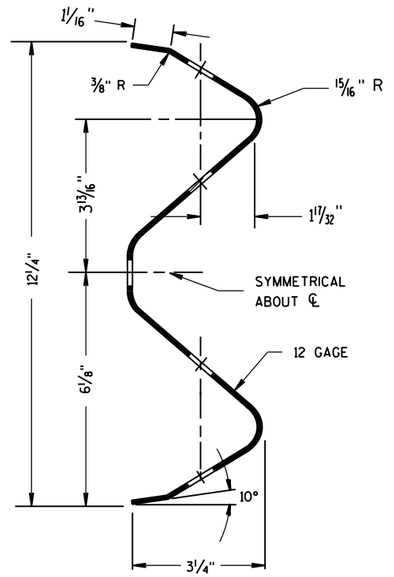
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



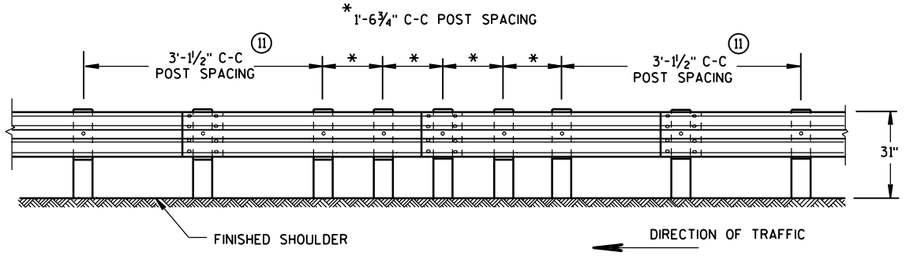
FRONT VIEW AT STEEL POST



FRONT VIEW
MID-SPAN BEAM SPLICE

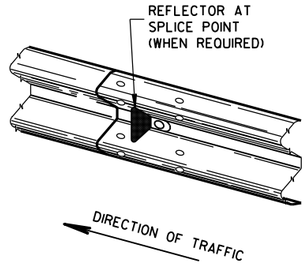


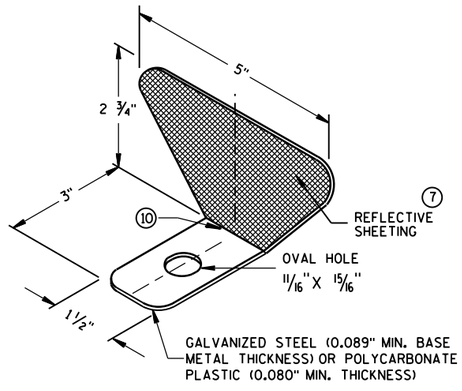
SECTION THRU W-BEAM RAIL



FRONT VIEW

QUARTER POST SPACING (QS)





REFLECTOR SPACING (8)

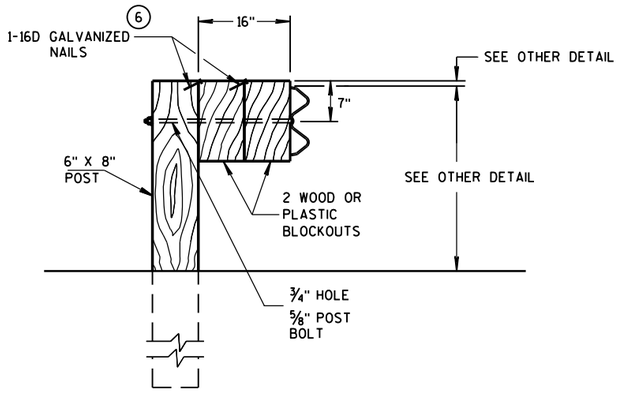
	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1 (9)	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2	3
	> 200'	100' C-C	2 (10)	

ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION (7)

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

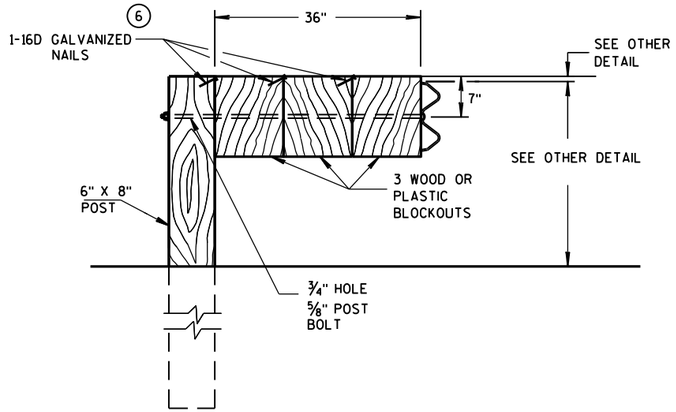
STATE OF WISCONSIN
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S.D.D. 14 B 42-3b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

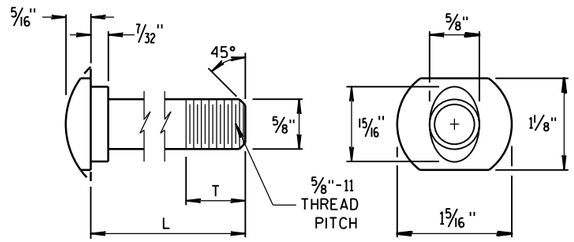


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

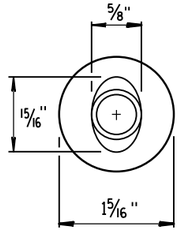
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".
2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

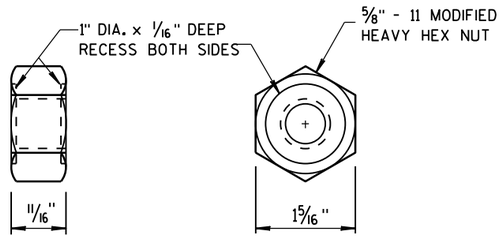


POST BOLT TABLE

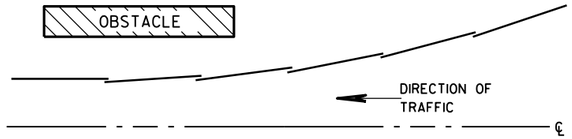
L	T (MIN.)
1 1/4"	1 1/8"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

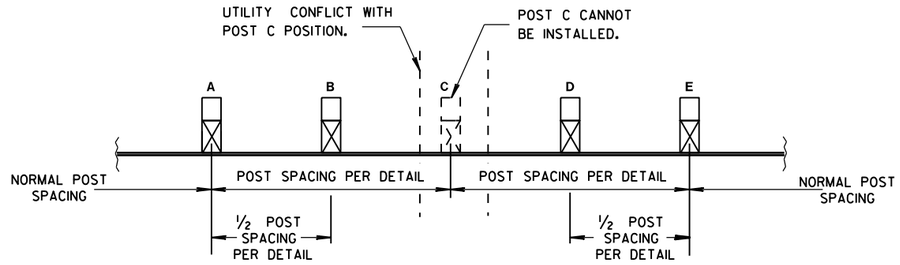


POST BOLT AND RECESS NUT

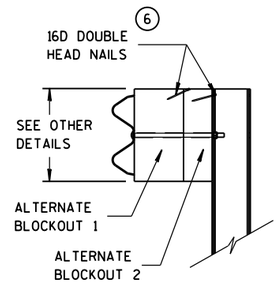


PLAN VIEW

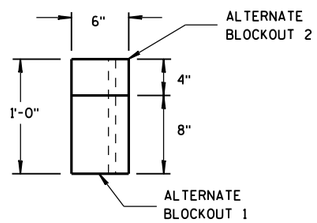
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 14 B 42-3c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.

(D) THE TOP OF THE STEEL TUBE ON POST 1 AND POST 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

(G) ½" DIAMETER X 3" LONG LAG BOLT AND WASHER.

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

(I) DIMENSIONS MAY VARY. SEE MANUFACTURE'S INFORMATION.

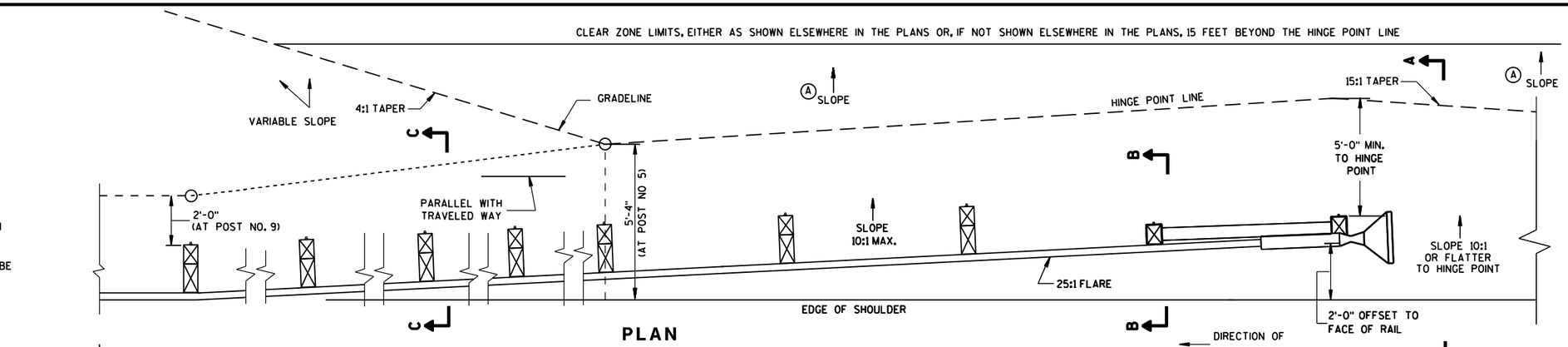
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

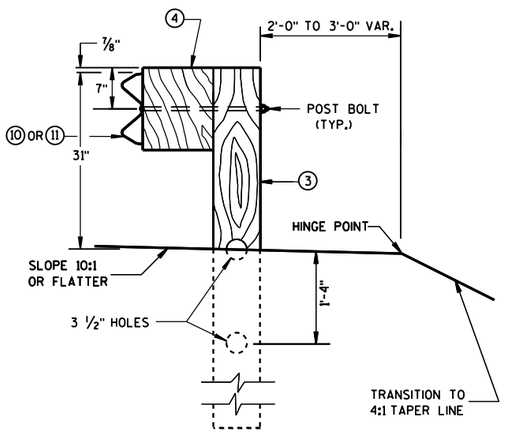
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

W-BEAM RAIL SPLICES ARE LOCATED AT POST NUMBER 3, AND BETWEEN POST 5 AND 6, BETWEEN POSTS 7 AND 8, AND MIDDLE OF THE SPAN AFTER POST 9.

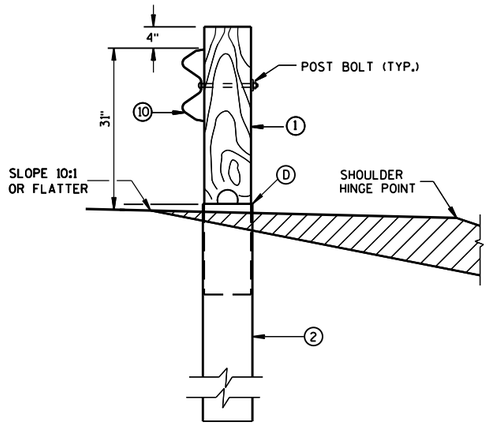
THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE.



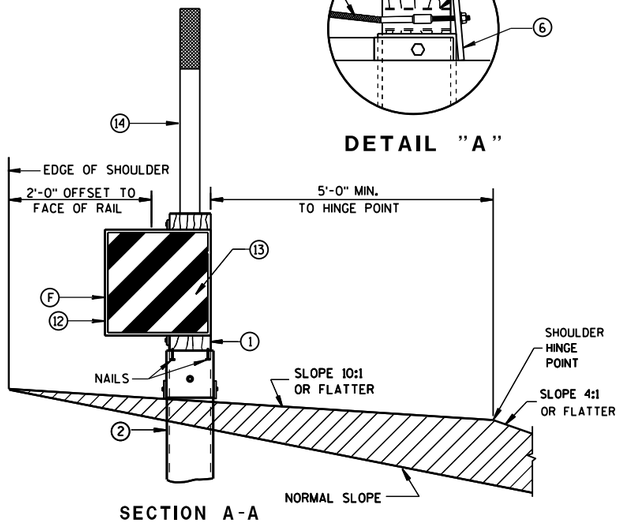
ELEVATION



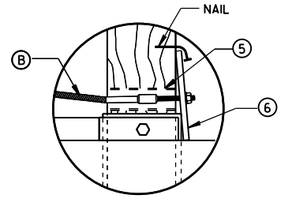
SECTION C-C
TYPICAL AT POST NOS. 3-9



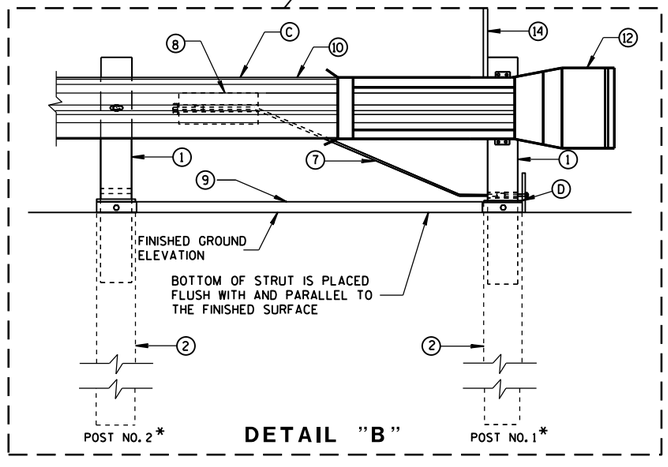
SECTION B-B
TYPICAL AT POST NO. 2*



SECTION A-A
TYPICAL AT POST NO. 1*



DETAIL "A"



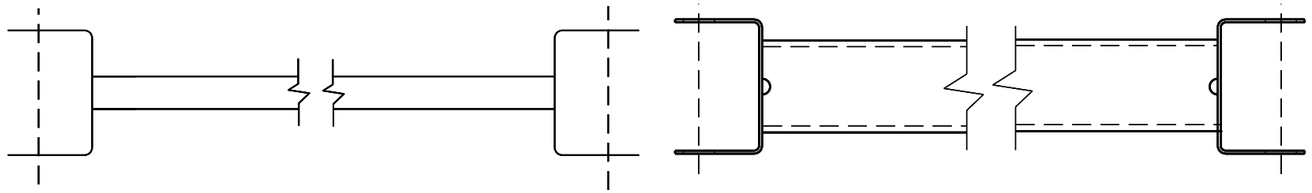
DETAIL "B"

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

S.D.D. 14 B 44-2a

S.D.D. 14 B 44-2a

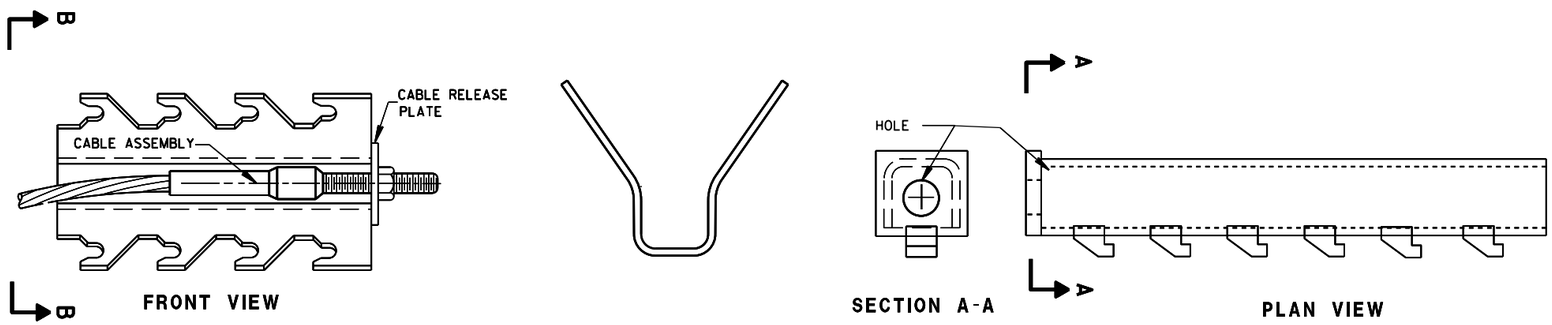


⑨ Ⓗ

GENERIC GROUND STRUT

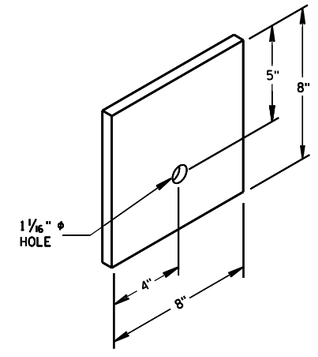
BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
①	WOOD BREAKAWAY POST
②	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	END SECTION EAT
⑬	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
⑭	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



GENERIC ANCHOR CABLE BOX

⑧ Ⓗ



BEARING PLATE

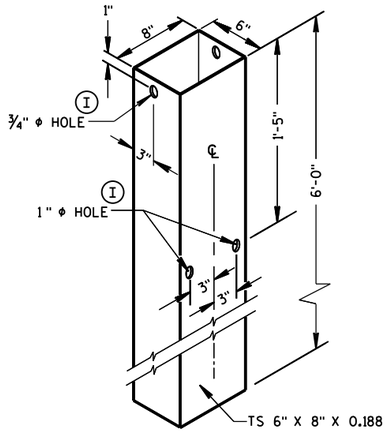
⑥

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

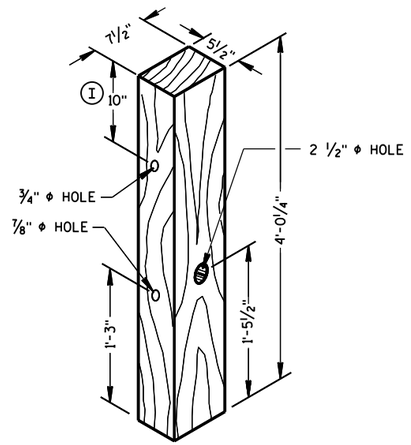
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 14 B 44-2b

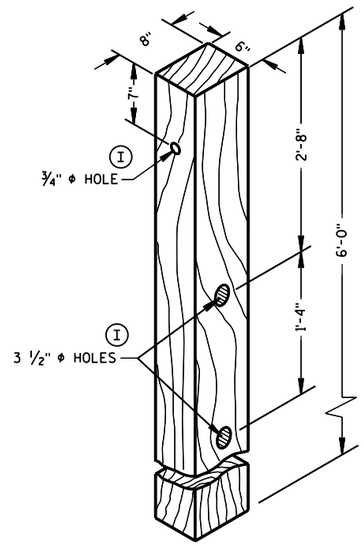


FOUNDATION TUBE (2)



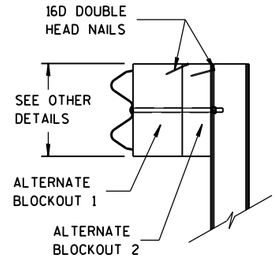
POSTS NUMBER 1 AND 2

WOOD BREAKAWAY POST (1)

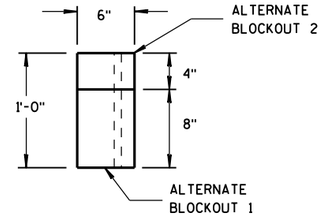


POSTS NUMBER 3-9

WOOD CRT POST (3)

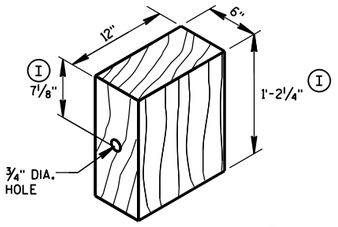


SIDE VIEW



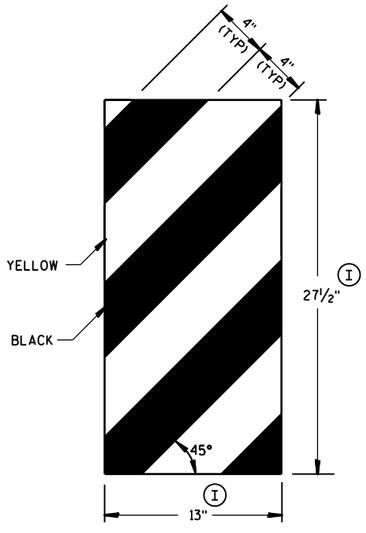
TOP VIEW

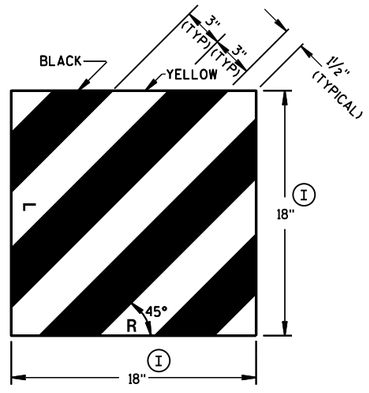
ALTERNATE WOOD BLOCKOUT DETAIL



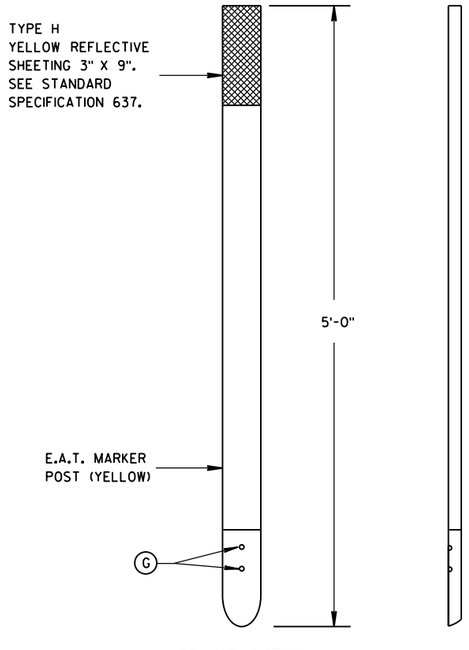
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2





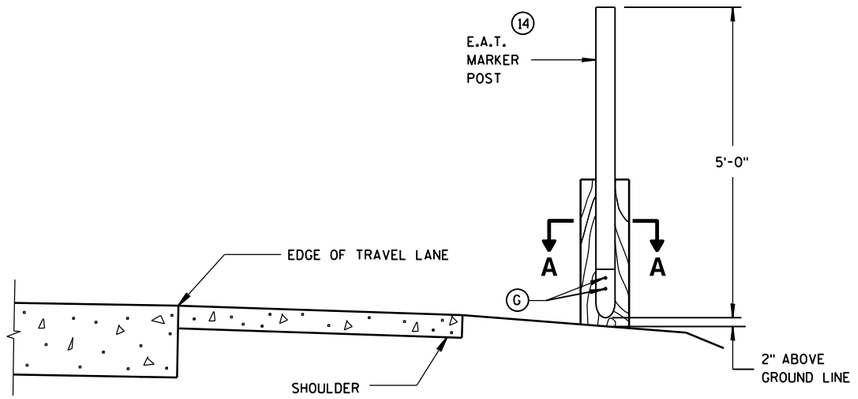
GENERIC REFLECTIVE SHEETING (13) (H)



FRONT VIEW

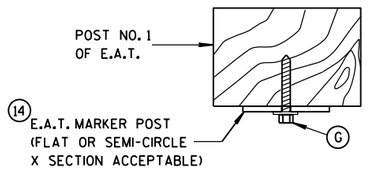
SIDE VIEW

E.A.T. MARKER POST (14)



TYPICAL INSTALLATION OF E.A.T. MARKER POST BACKSIDE OF POST NO. 1

(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A

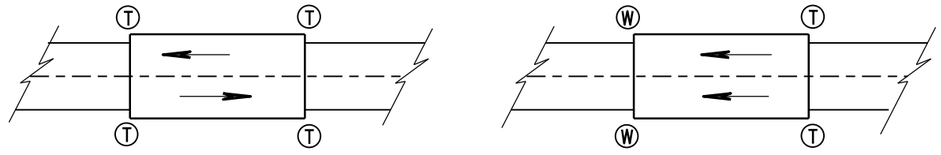
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 14 B 44-2c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

Ⓣ THRIE BEAM CONNECTION

Ⓦ W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

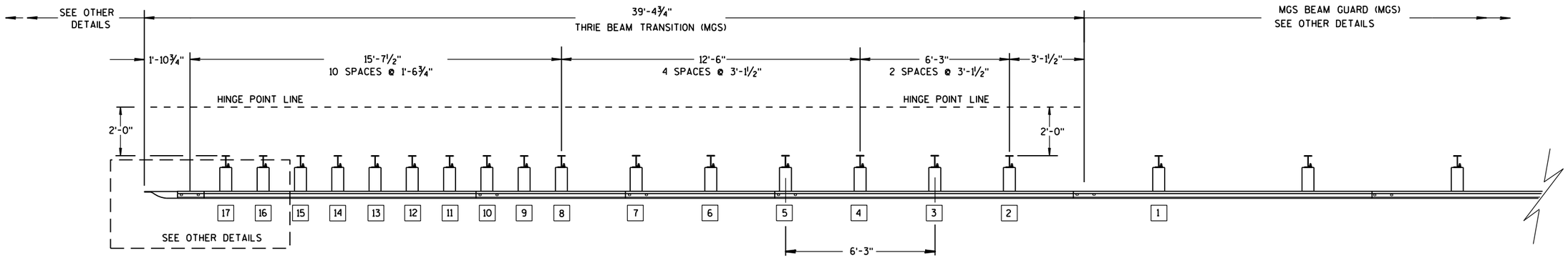
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

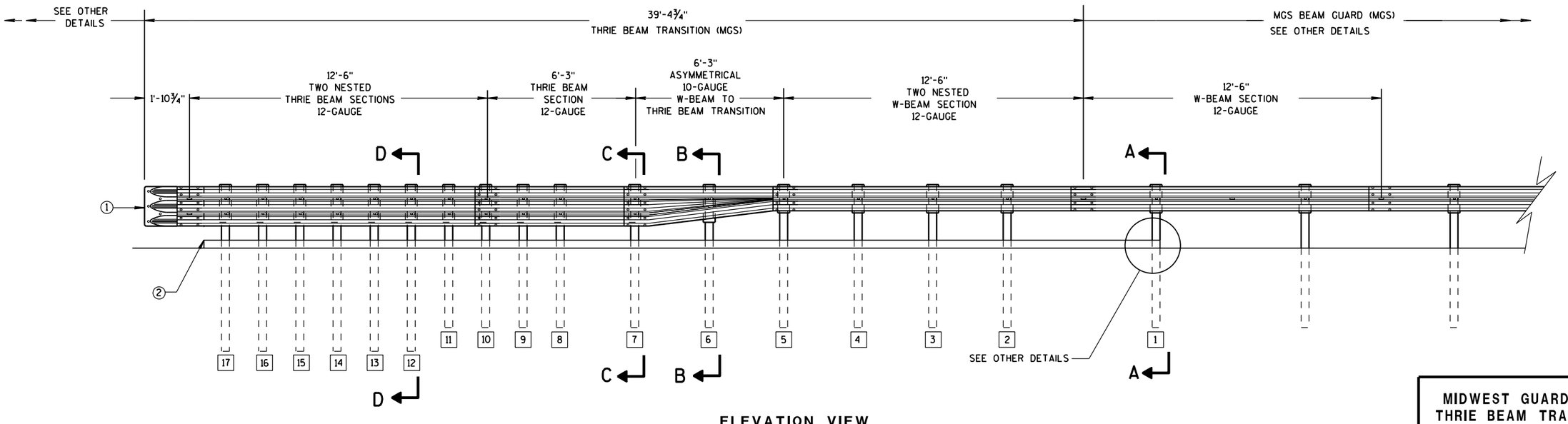
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

① BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

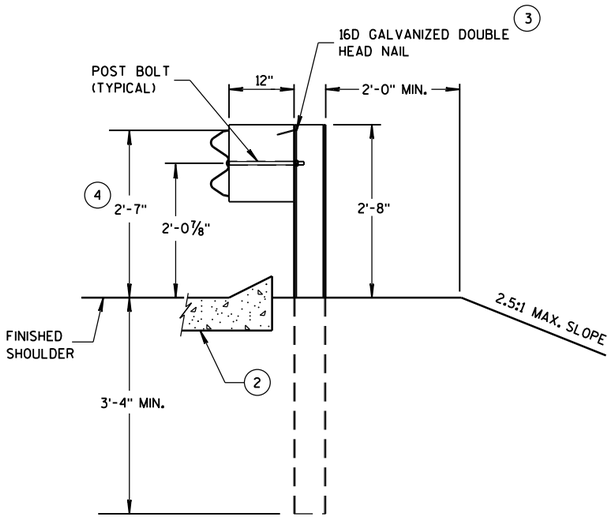
S.D.D. 14 B 45-4a

GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE_FEATURE SEE PLAN FOR INFORMATION.

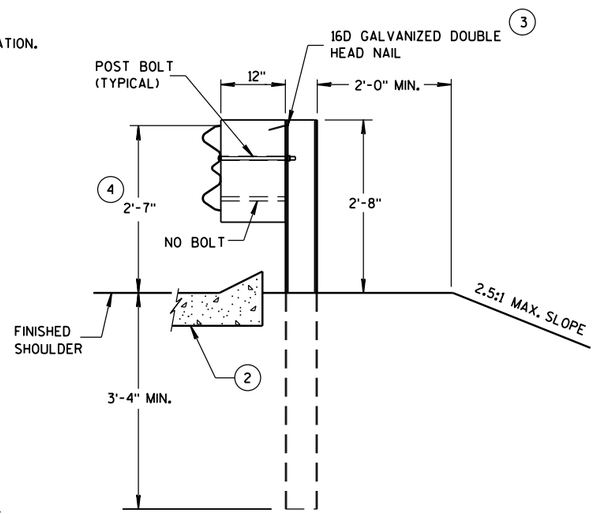
(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



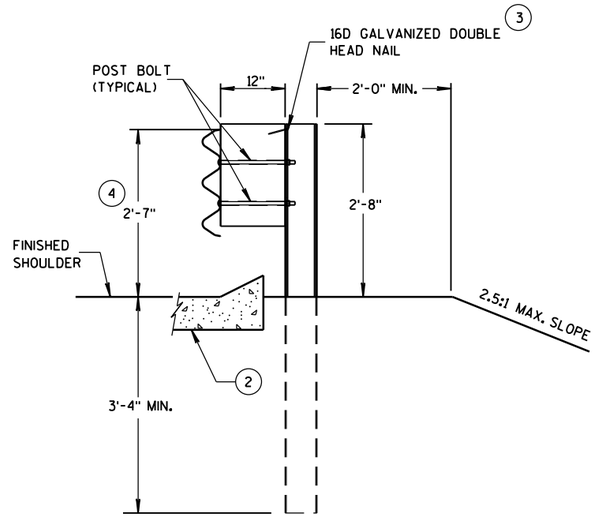
SECTION A-A

POSTS 1-5



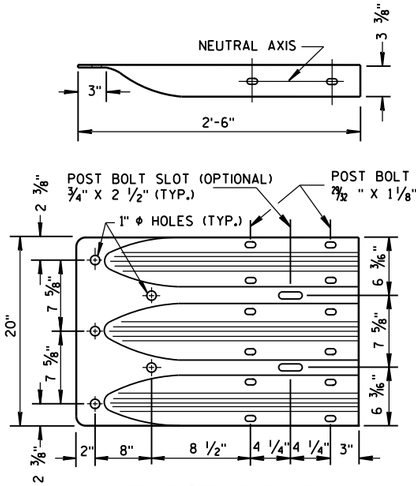
SECTION B-B

POST 6



SECTION C-C

POSTS 7-11



THRIE BEAM TERMINAL CONNECTOR

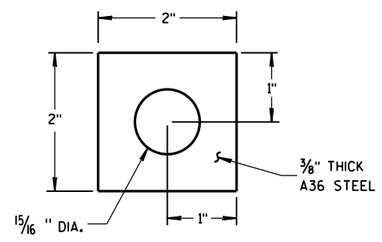
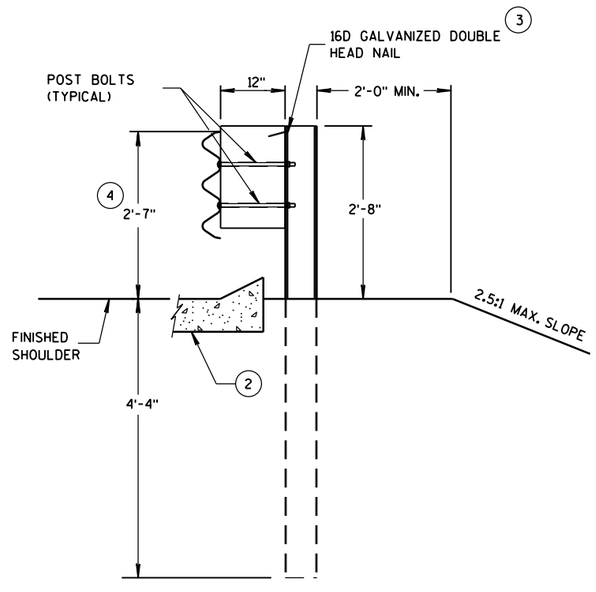
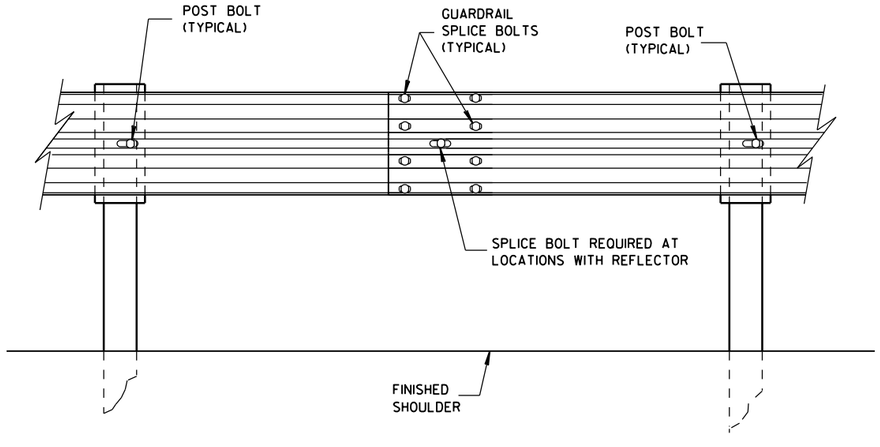


PLATE WASHER DETAIL

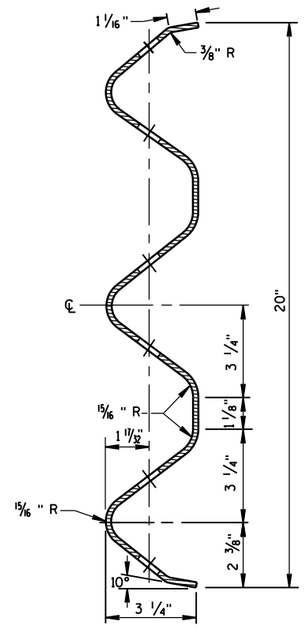


SECTION D-D

POSTS 12-17



SPLICE DETAIL



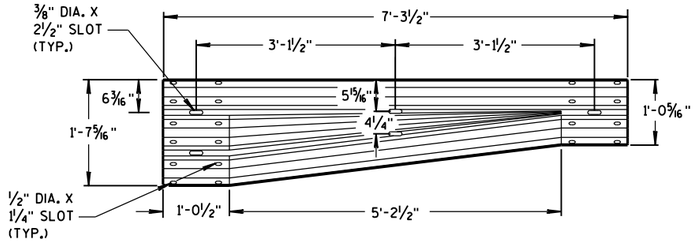
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

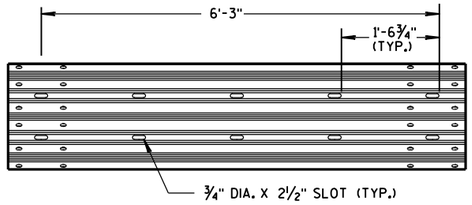
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

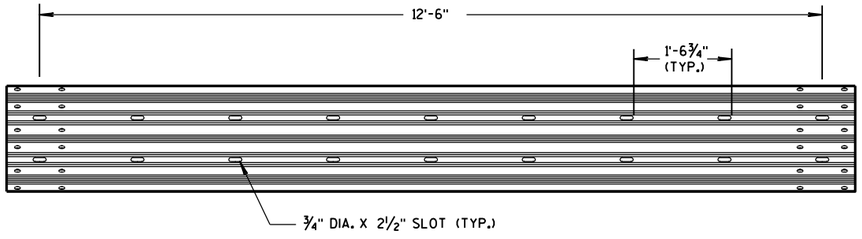
S.D.D. 14 B 45-4b



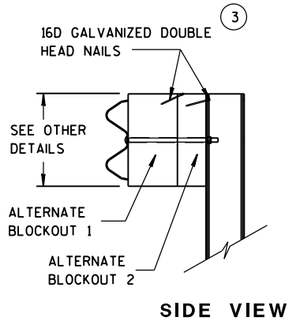
W-BEAM TO THRIE BEAM TRANSITION SECTION



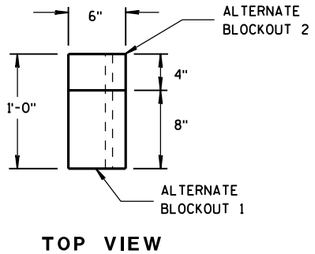
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

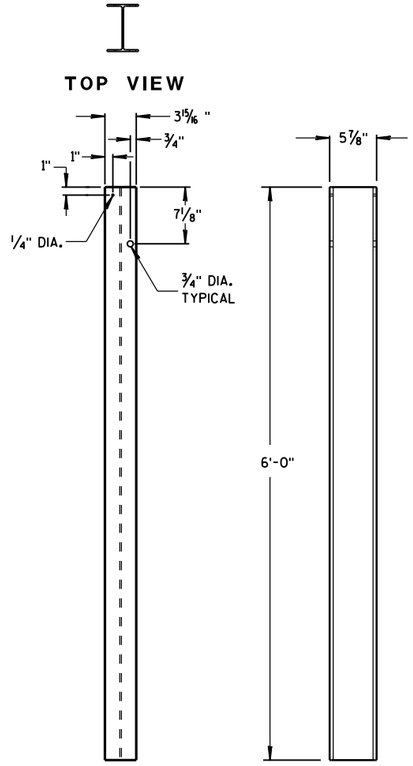


SIDE VIEW



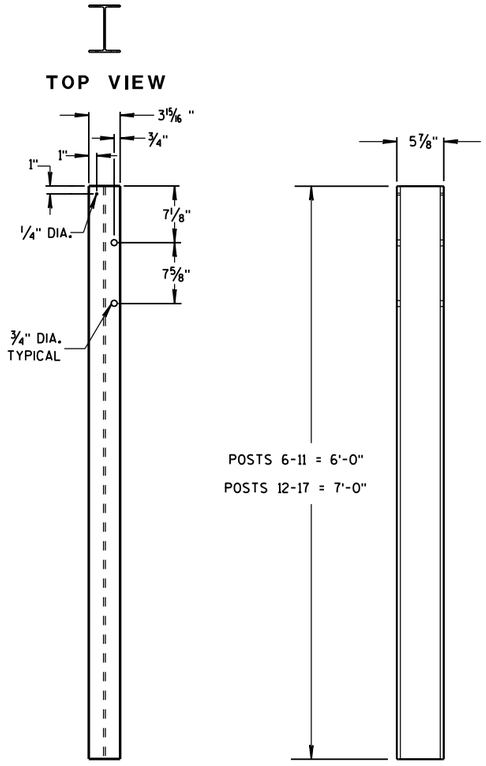
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



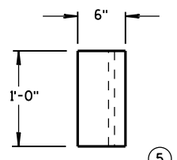
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5

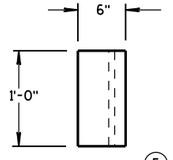


FRONT VIEW SIDE VIEW

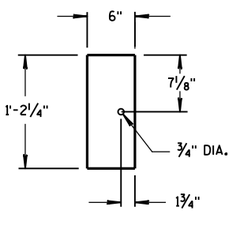
STEEL POSTS 6-17



TOP VIEW (5)

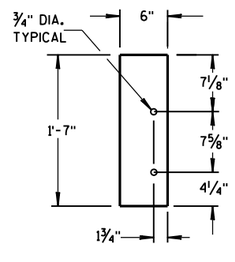


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

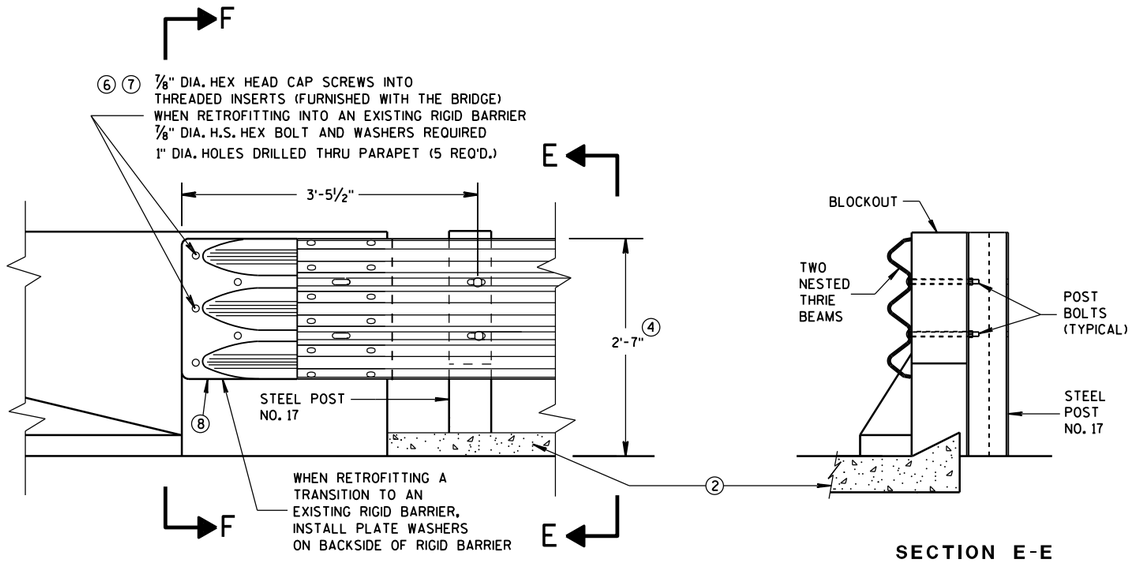
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 45-4c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

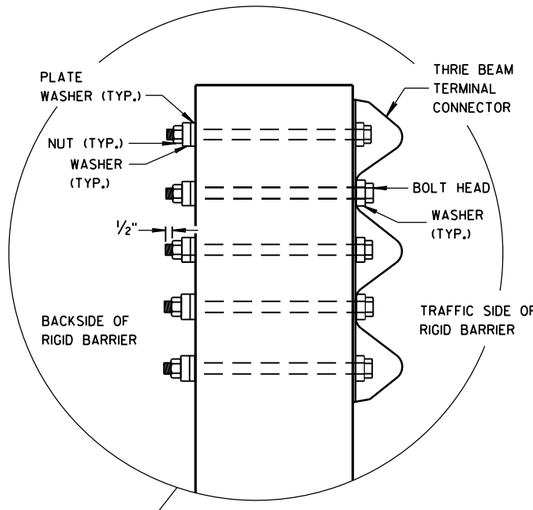
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

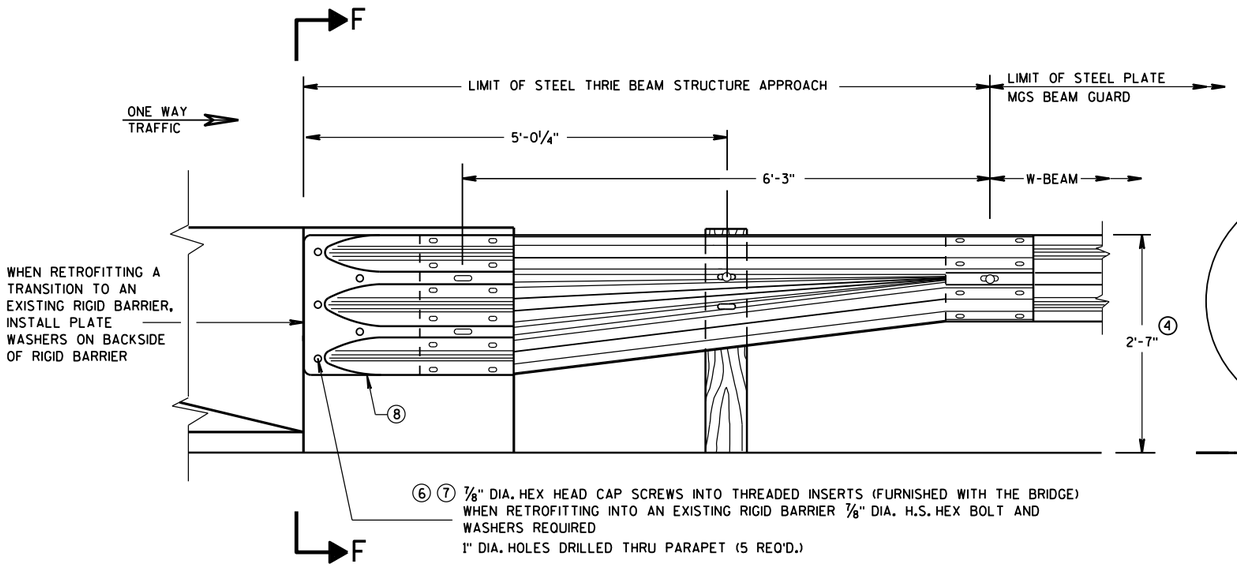
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

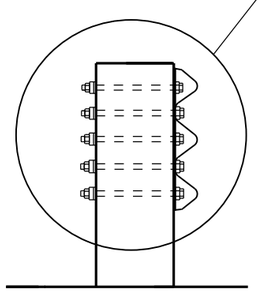
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

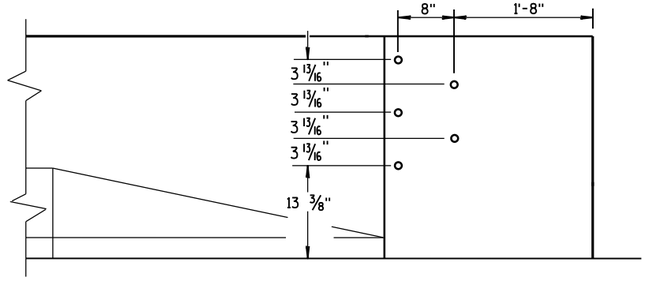




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

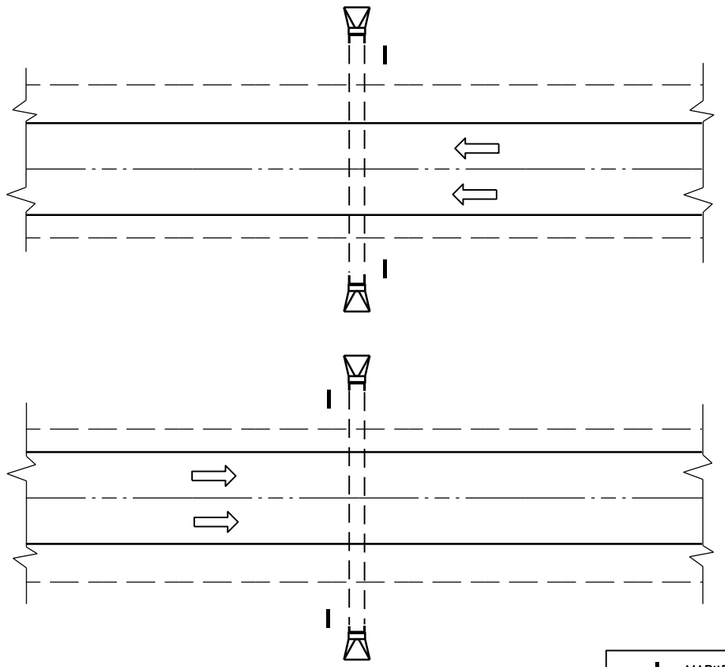
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 14 B 45-4d

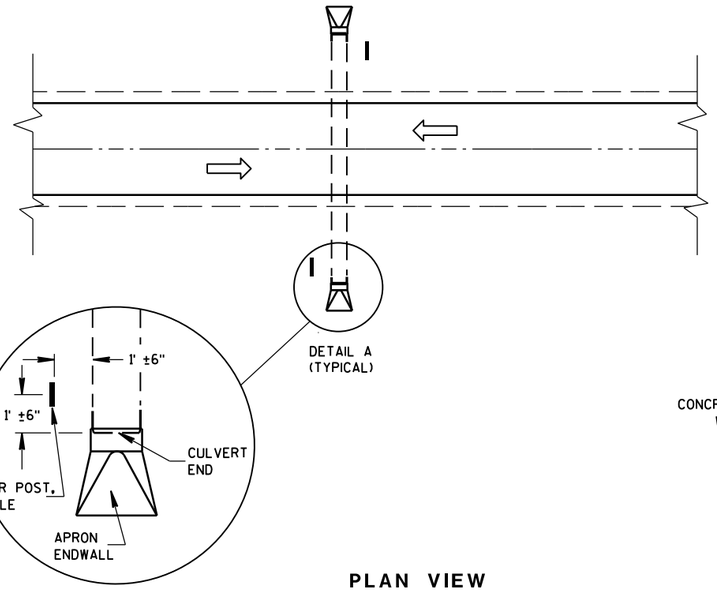
6

S.D.D. 14 B 45-4d



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

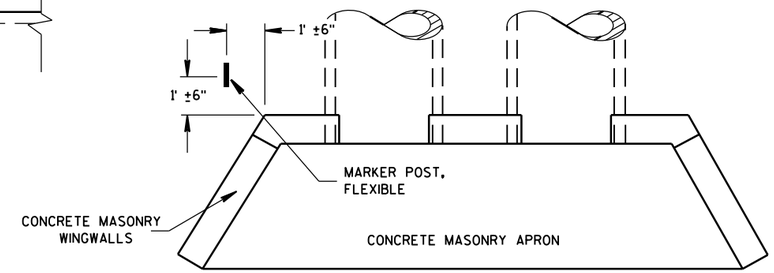
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

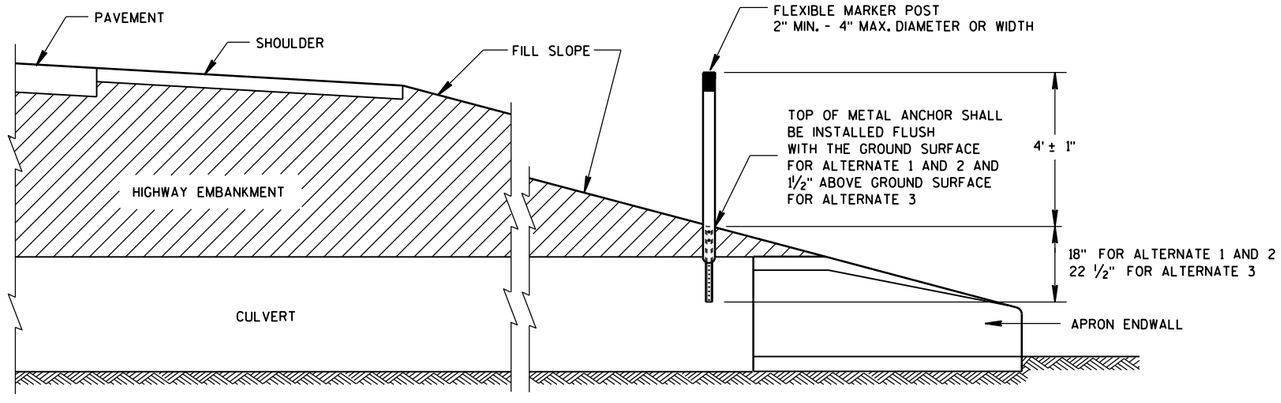
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

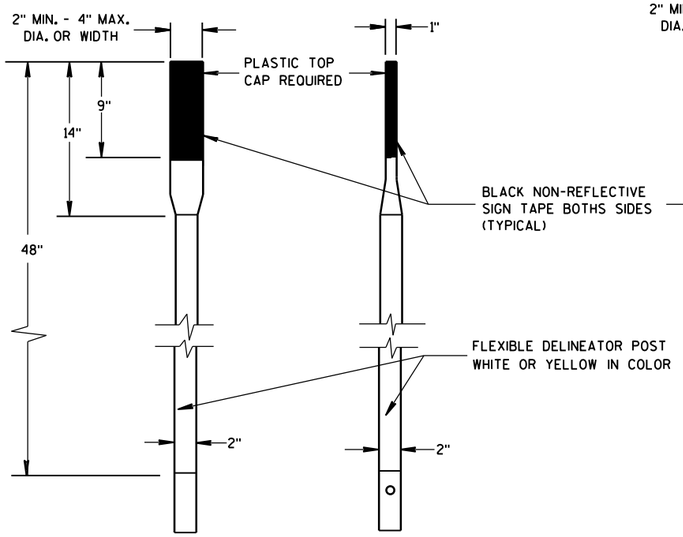
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

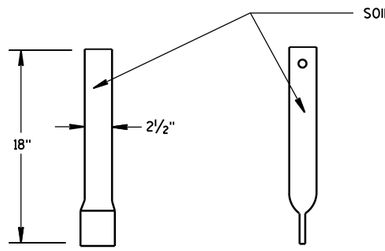
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S.D.D. 15 A 3-2a

6

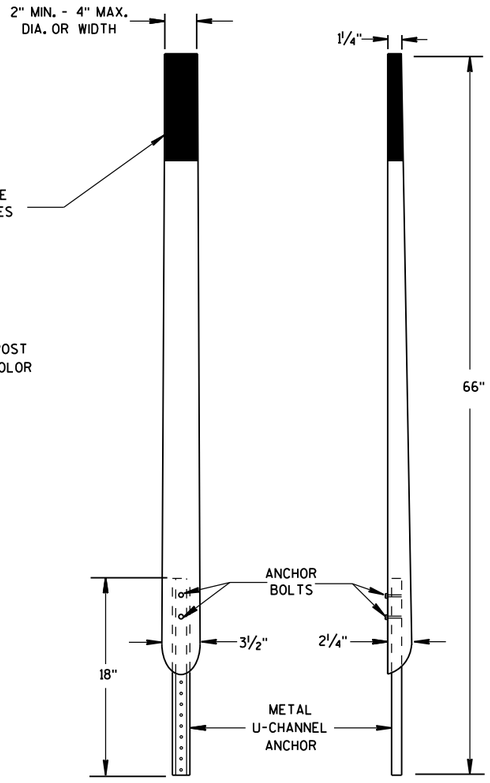
S.D.D. 15 A 3-2a





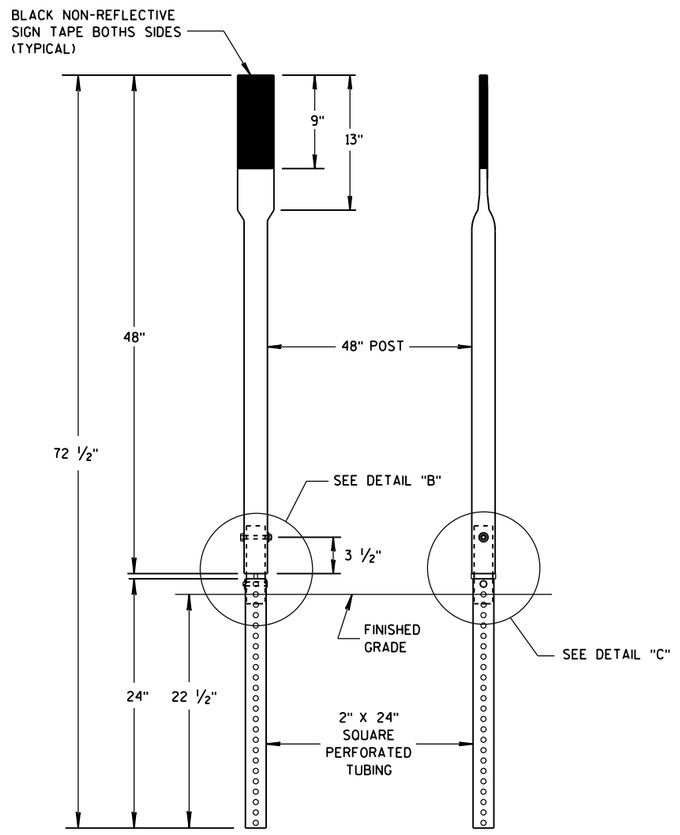
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

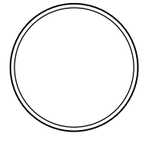
ALTERNATE 2



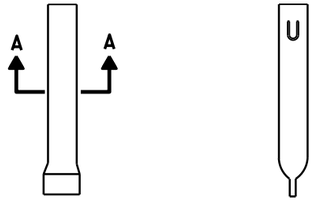
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

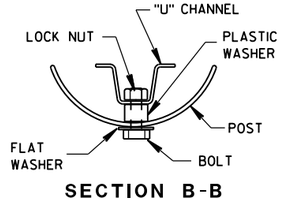


SECTION A-A

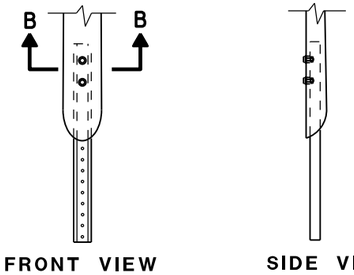


FRONT VIEW SIDE VIEW

ALTERNATE 1

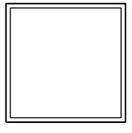


SECTION B-B

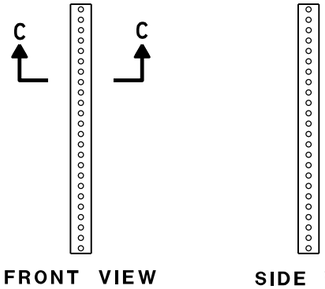


FRONT VIEW SIDE VIEW

ALTERNATE 2



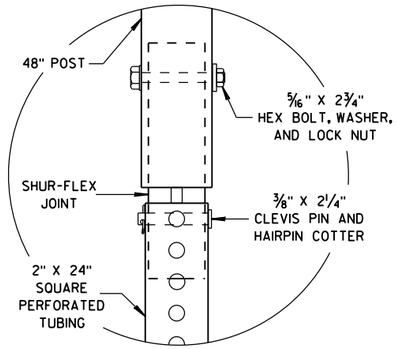
SECTION C-C



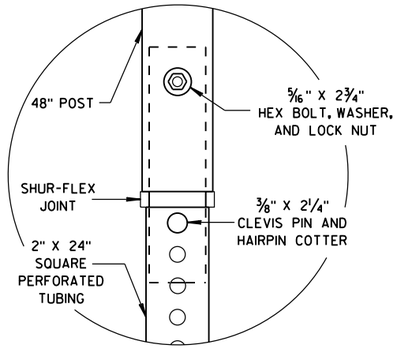
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

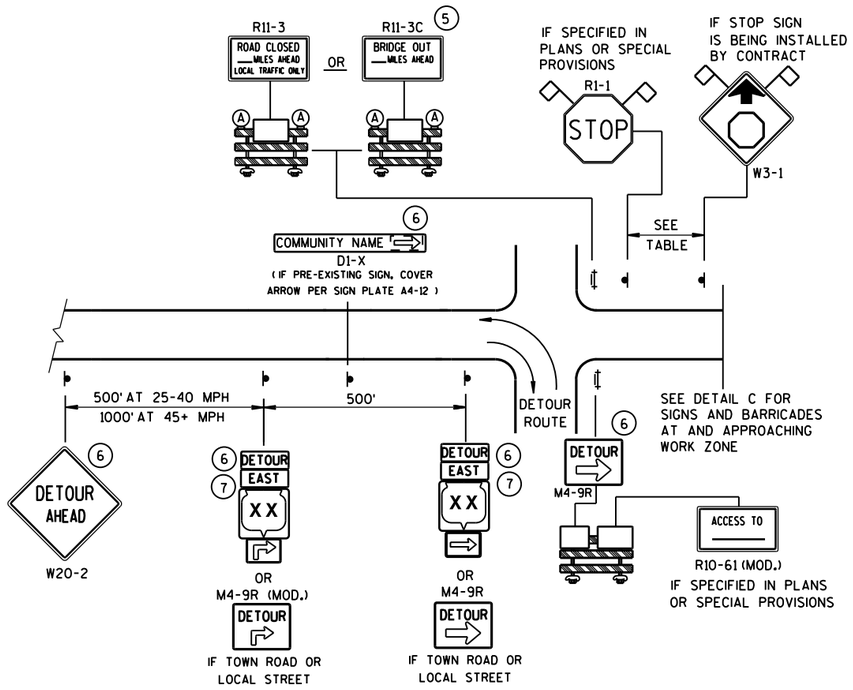
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

6

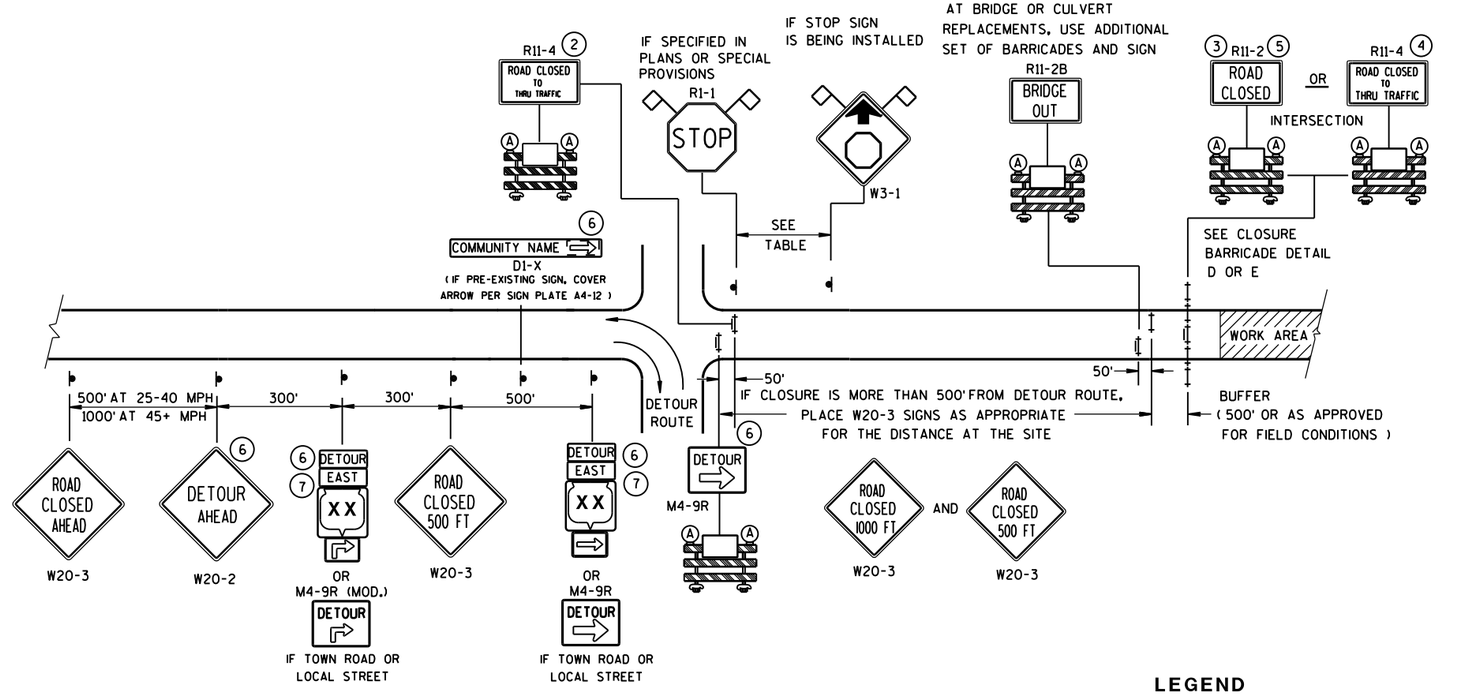
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

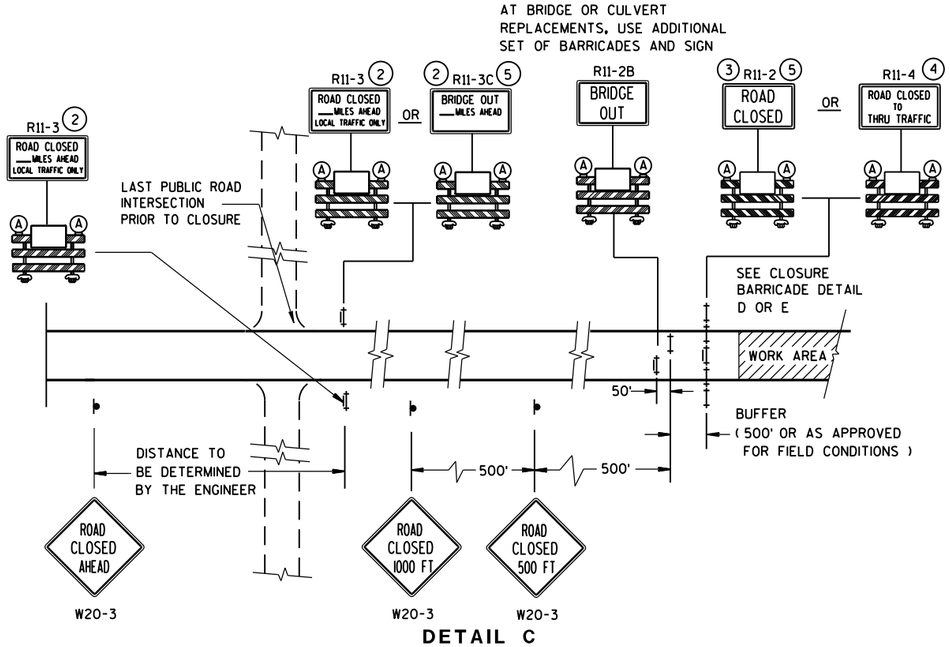
WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



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

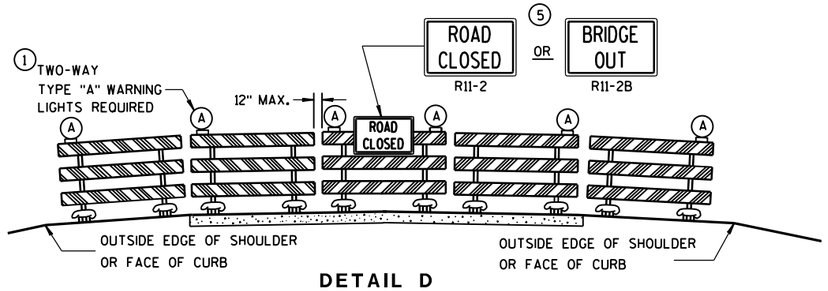
8/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

6

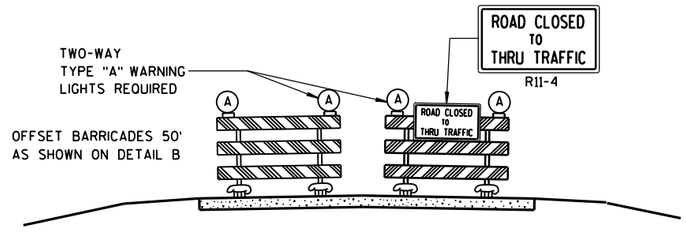
S.D.D. 15 C 2-5a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

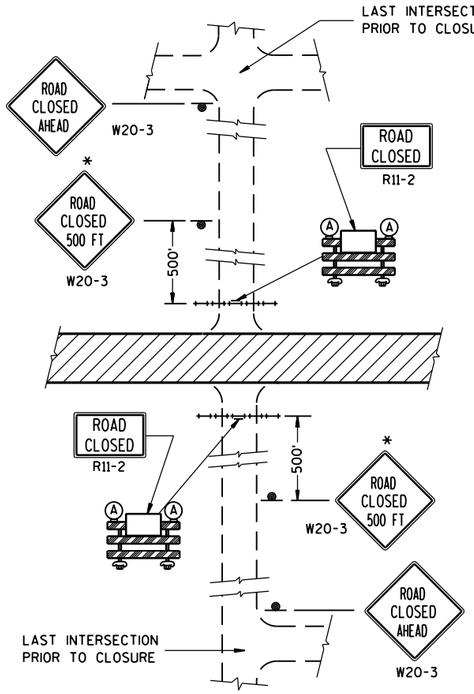
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

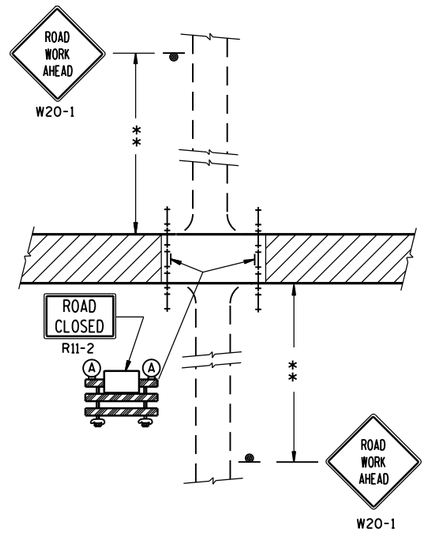
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S.D.D. 15 C 2-5b



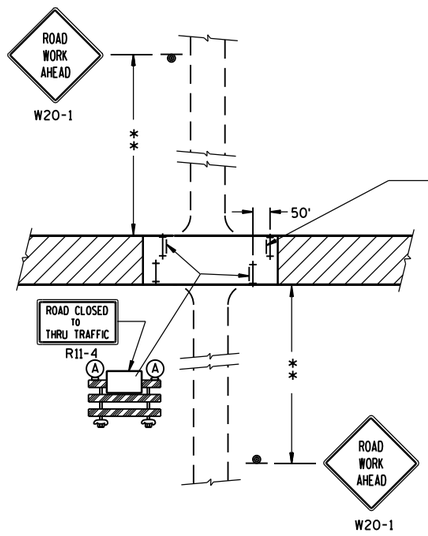
DETAIL 1

(NO ACCESS TO PROJECT)



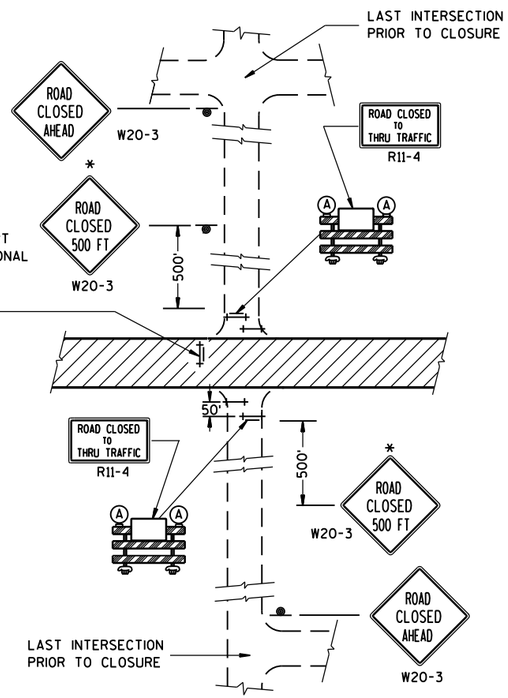
DETAIL 2

(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
8/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
277
DESIGN
FHWA

6

S.D.D. 15 C 3-2

6

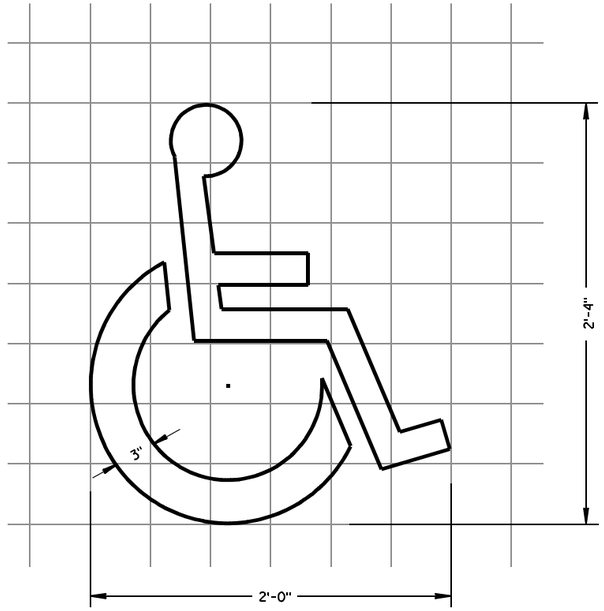
S.D.D. 15 C 3-2

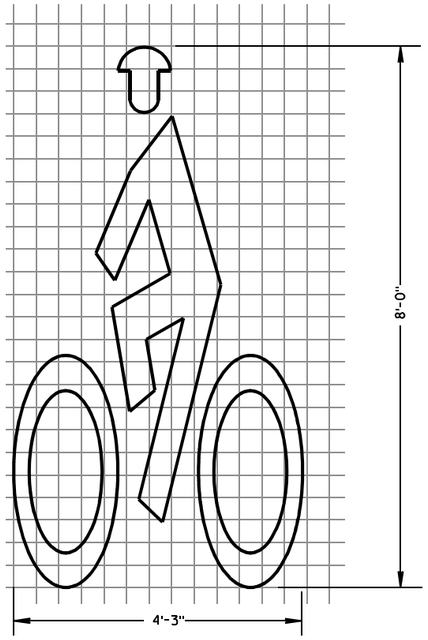
GENERAL NOTES

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

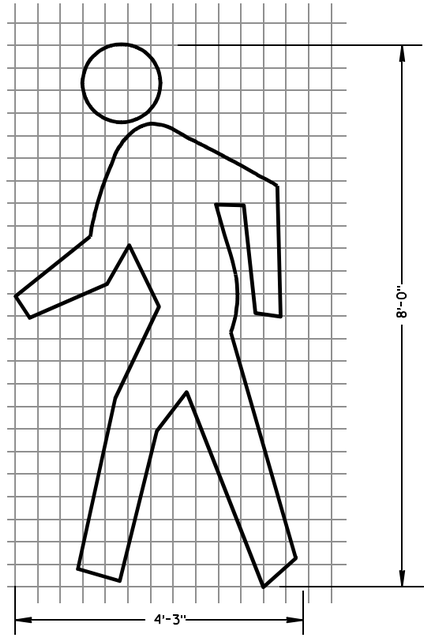
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A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

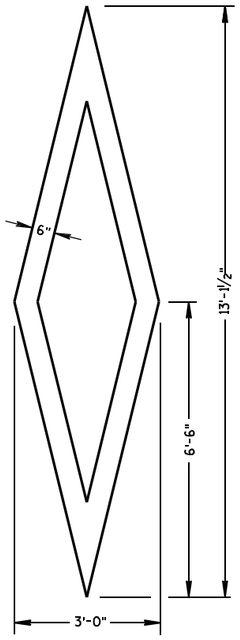




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL LANE SYMBOL

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N Nathan — STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 15 C 7-12a

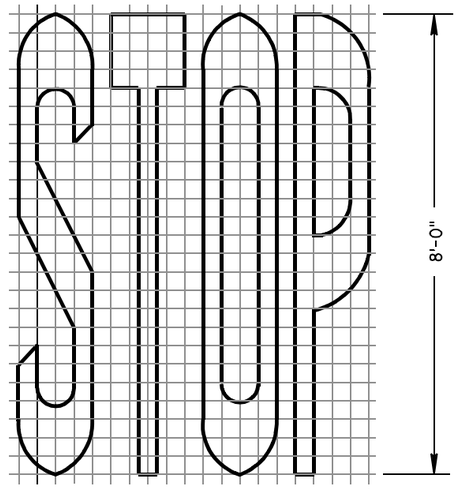
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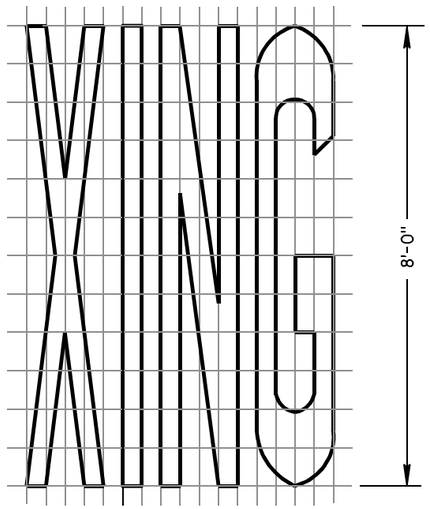
S.D.D. 15 C 7-12a

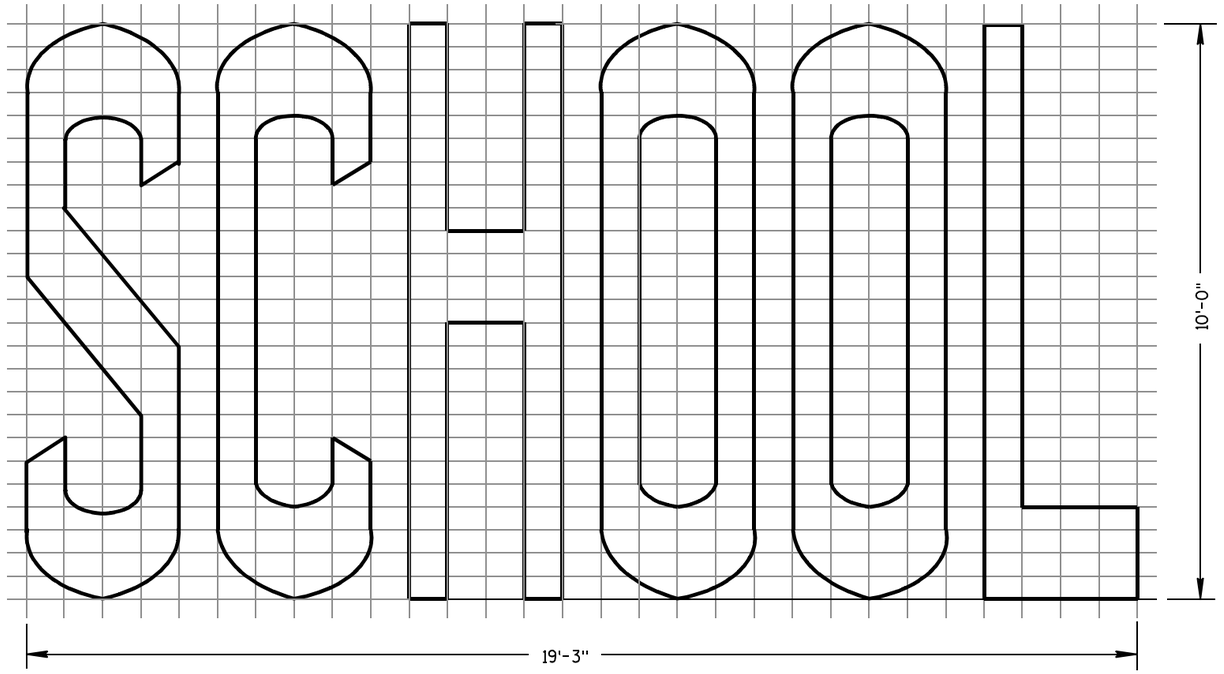
GENERAL NOTES

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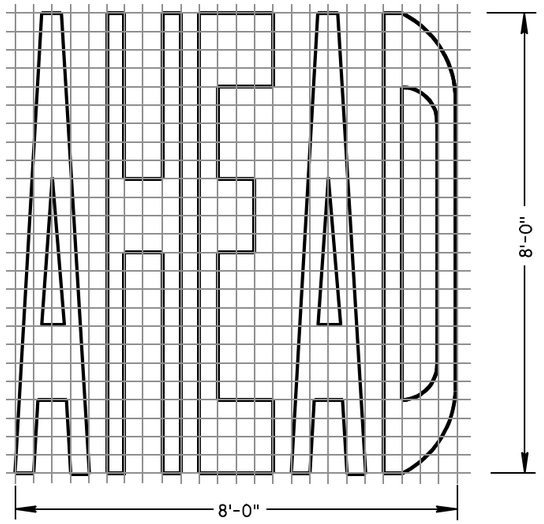
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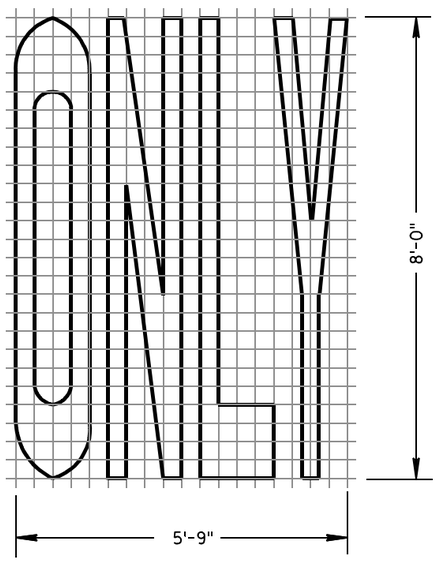


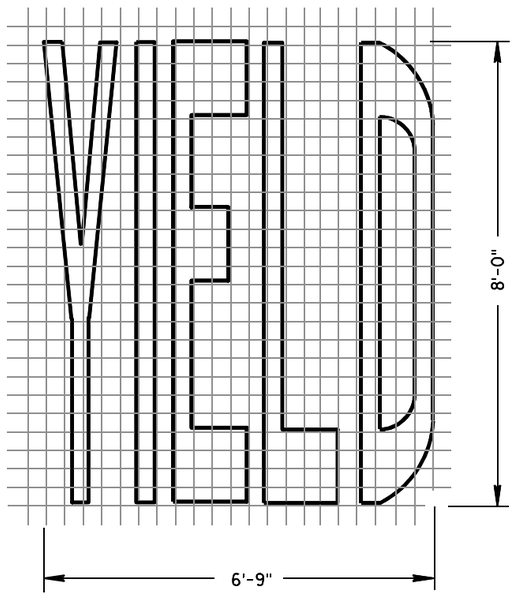


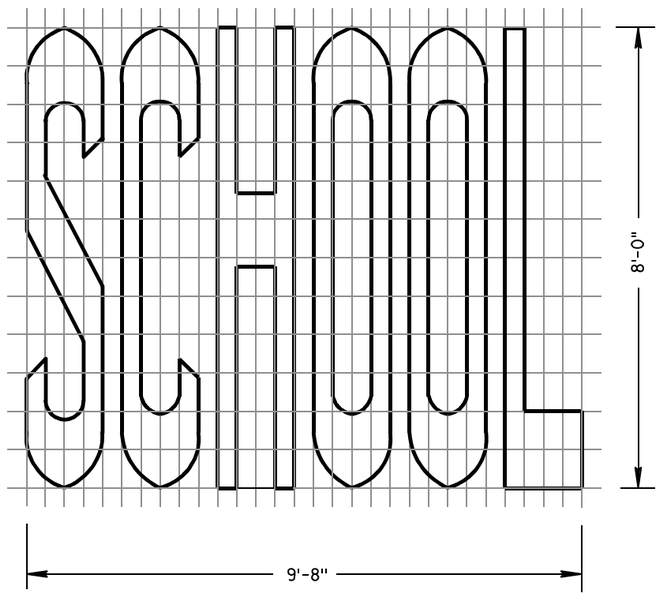


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 15 C 7-12b

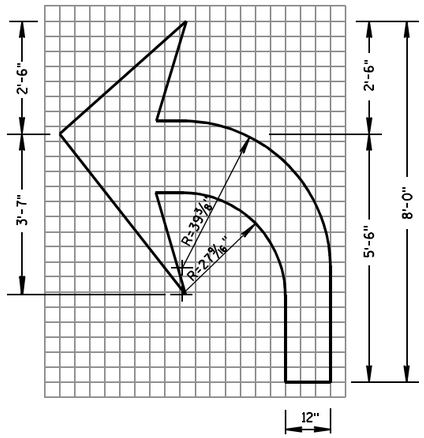
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S.D.D. 15 C 7-12b

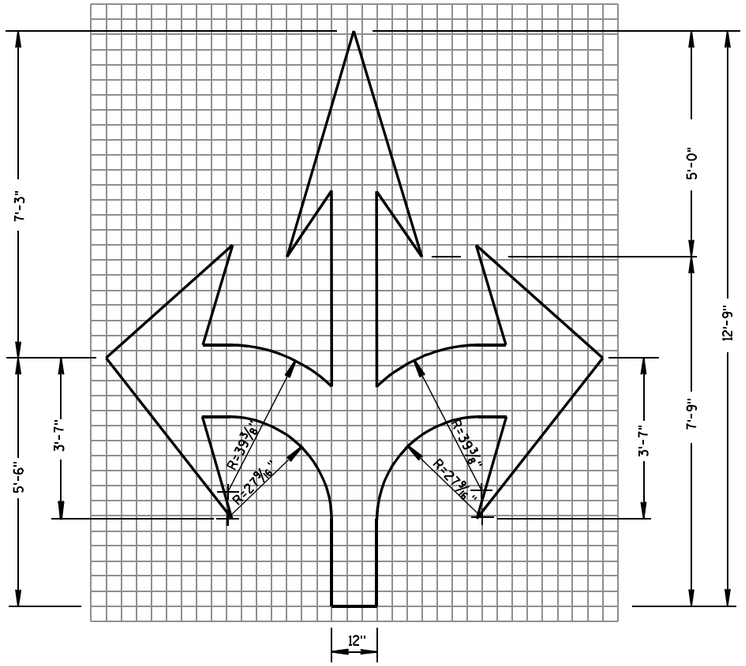
GENERAL NOTES

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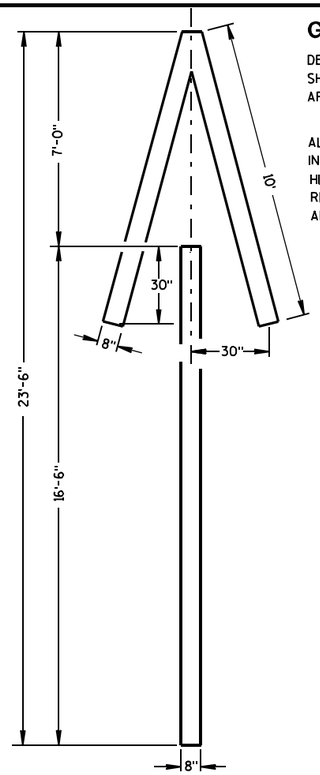
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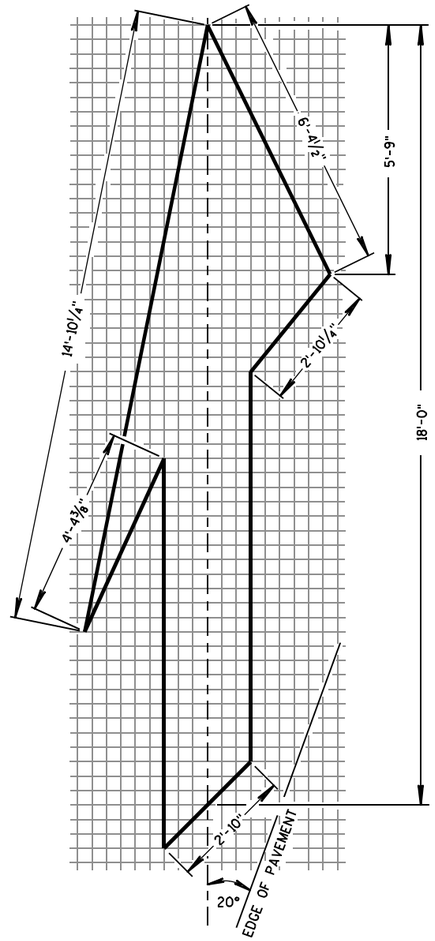
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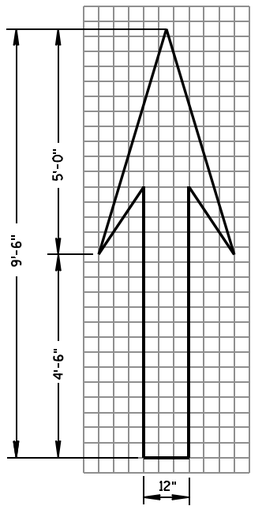
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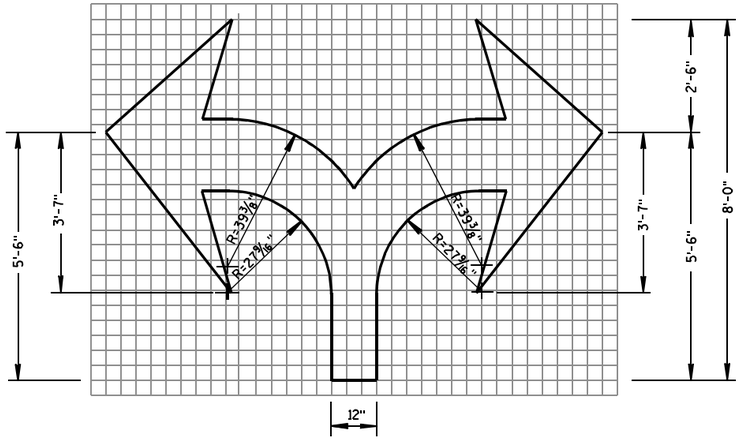
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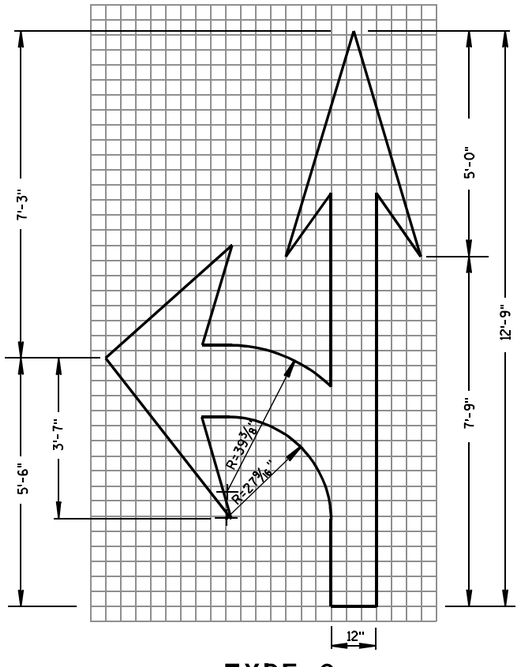
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

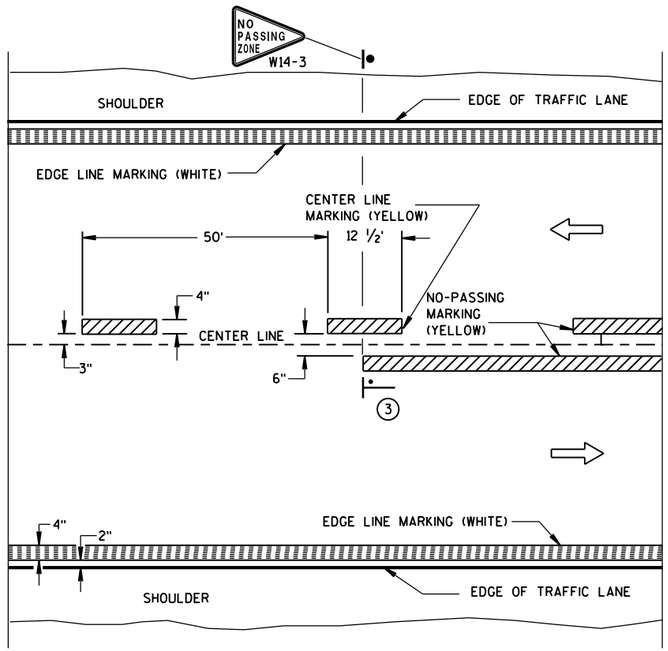
FHWA

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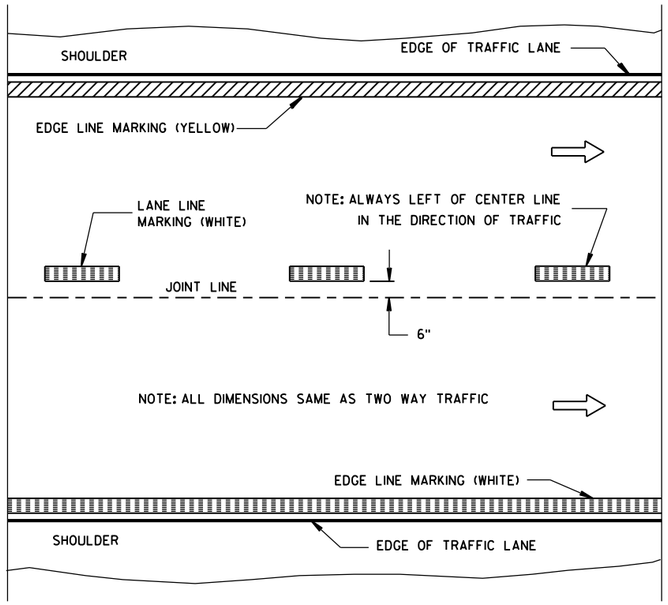
S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c

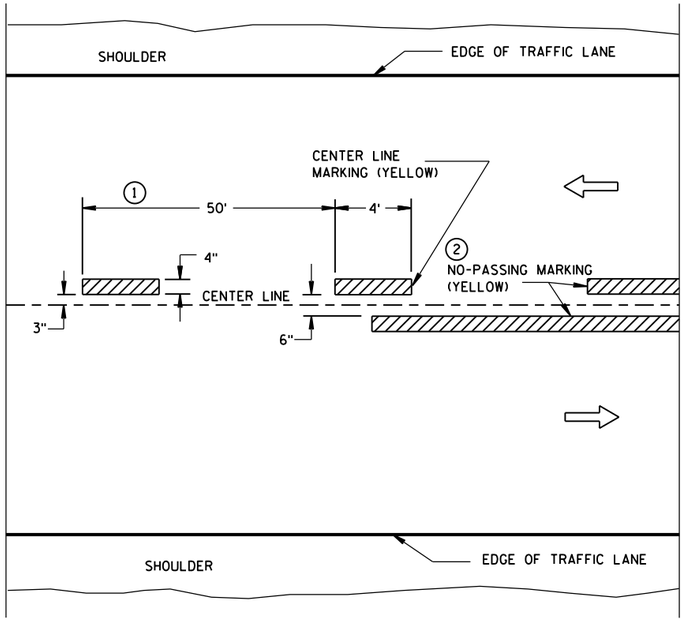


TWO WAY TRAFFIC

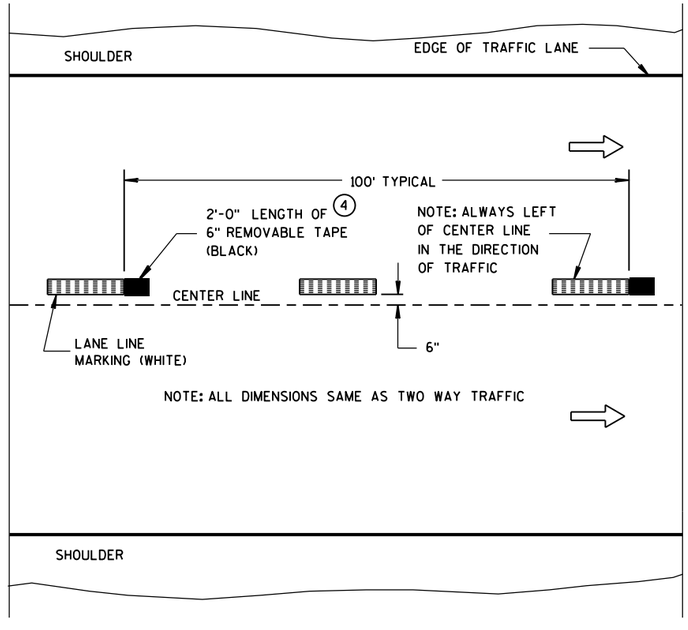


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

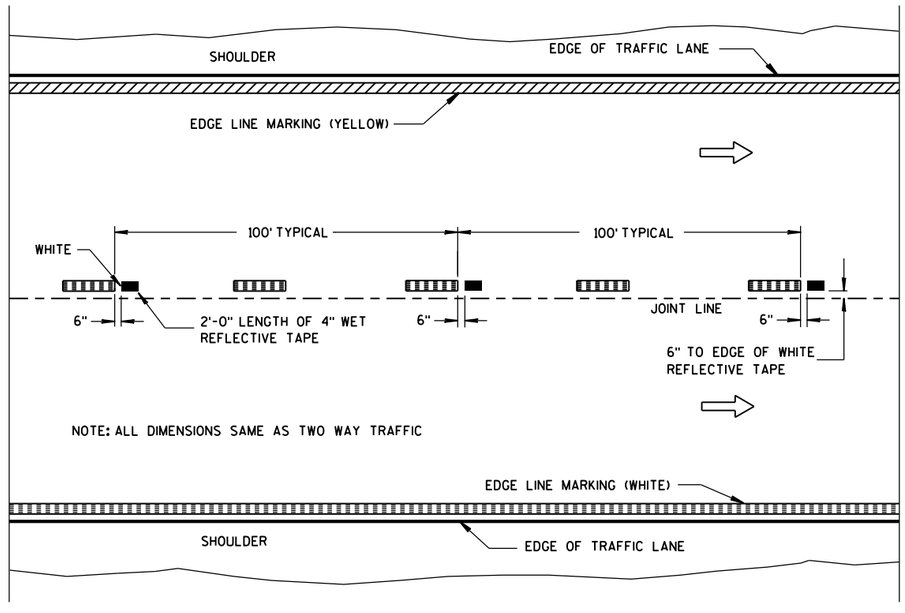
GENERAL NOTES

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

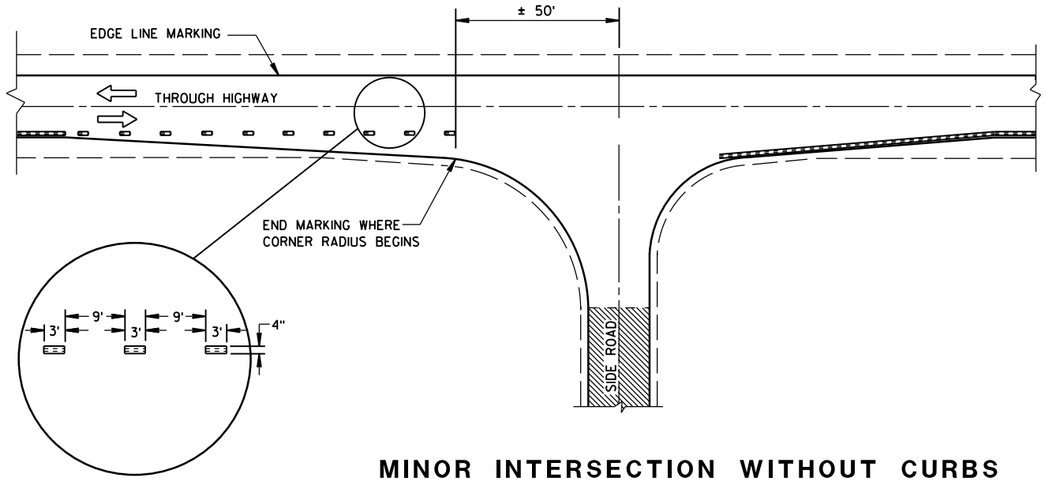
PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

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.

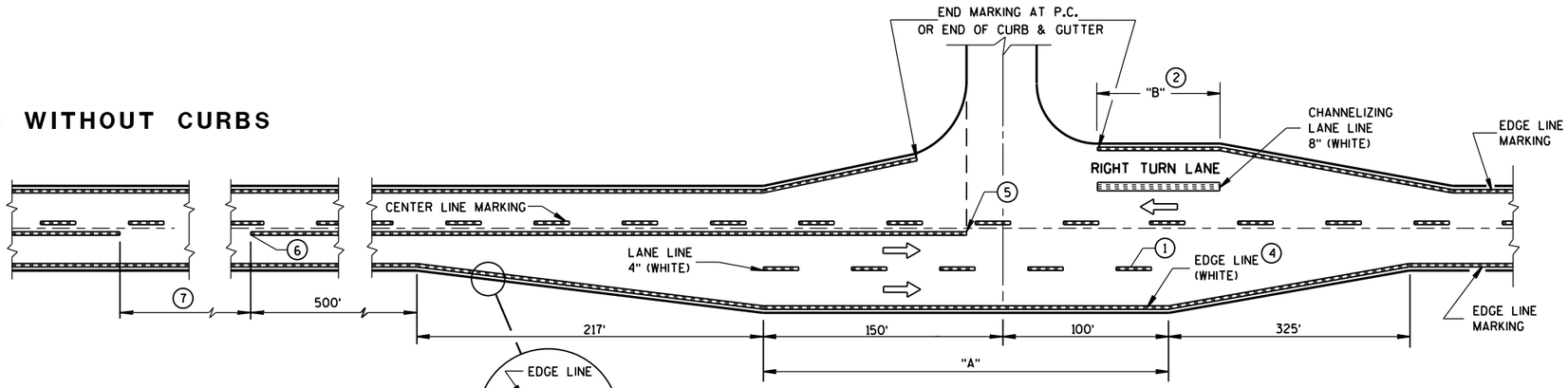
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

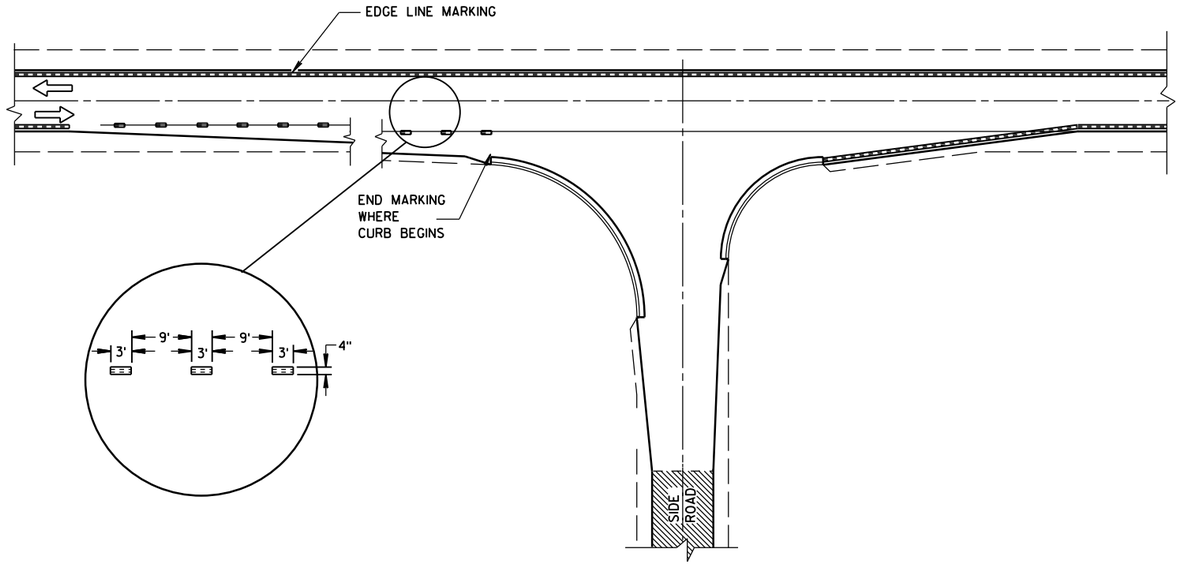
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



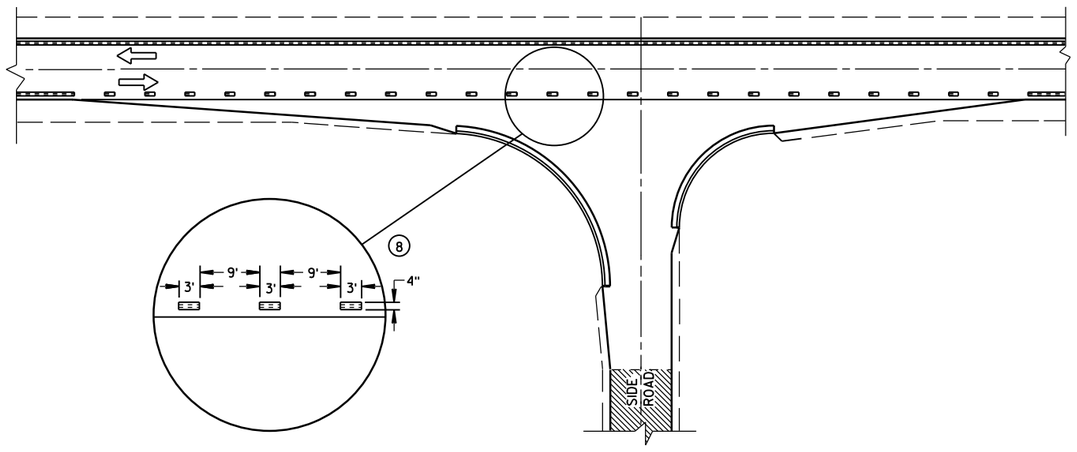
MAJOR INTERSECTIONS

(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)

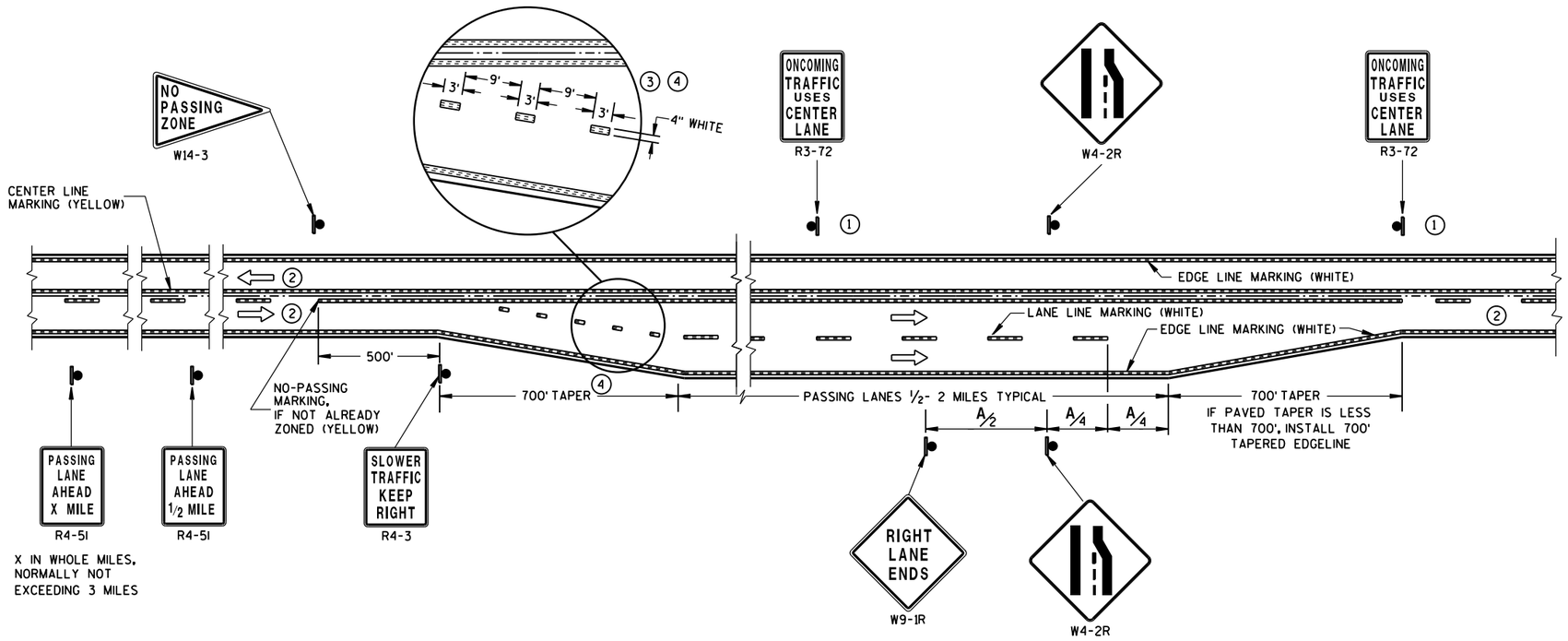
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

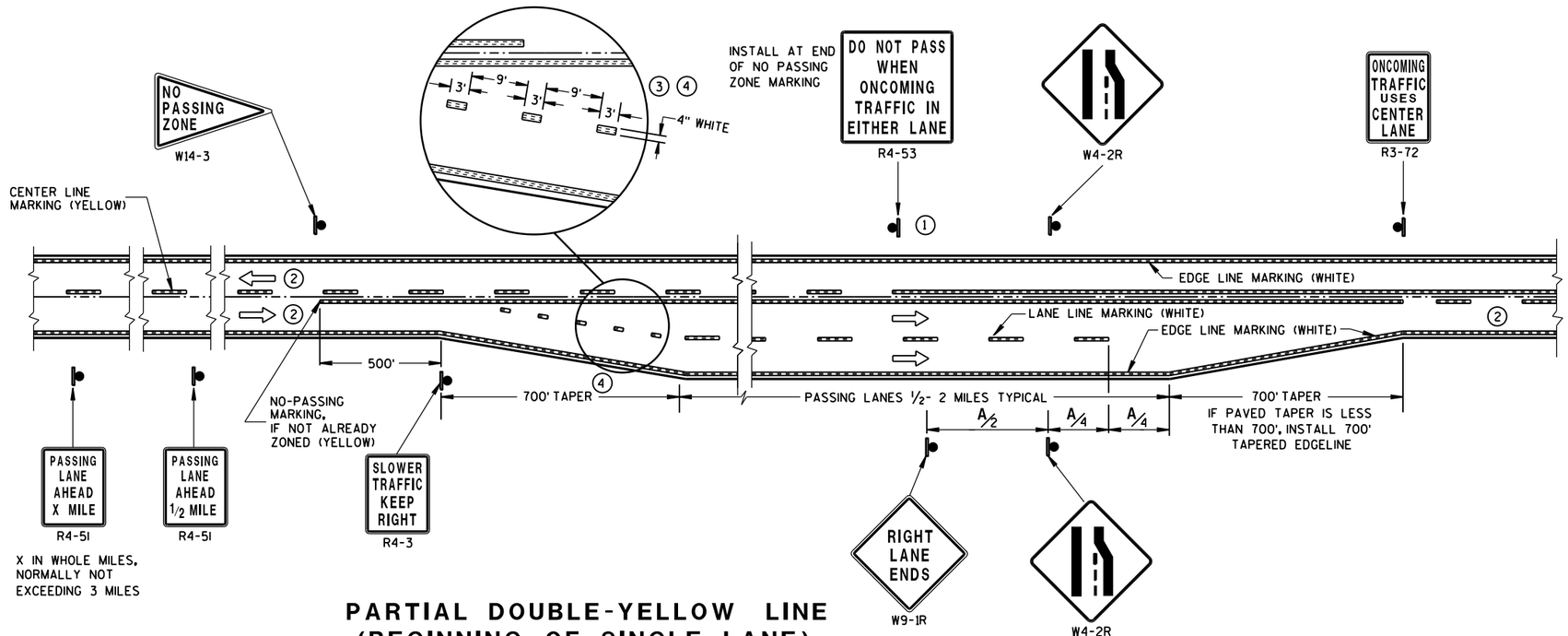
S.D.D. 15 C 8-16b

6

S.D.D. 15 C 8-16b



SOLID DOUBLE-YELLOW LINE
(THROUGHOUT ENTIRE PASSING/CLIMBING LANE)



PARTIAL DOUBLE-YELLOW LINE
(BEGINNING OF SINGLE LANE)

GENERAL NOTES

1. SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
2. THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
3. THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3'LINE 9'GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
4. WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

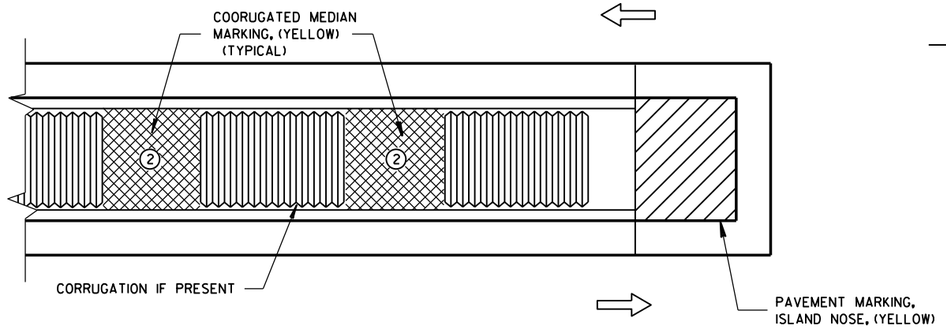
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950

PAVEMENT MARKING & SIGNING (CLIMBING LANE & PASSING LANE)

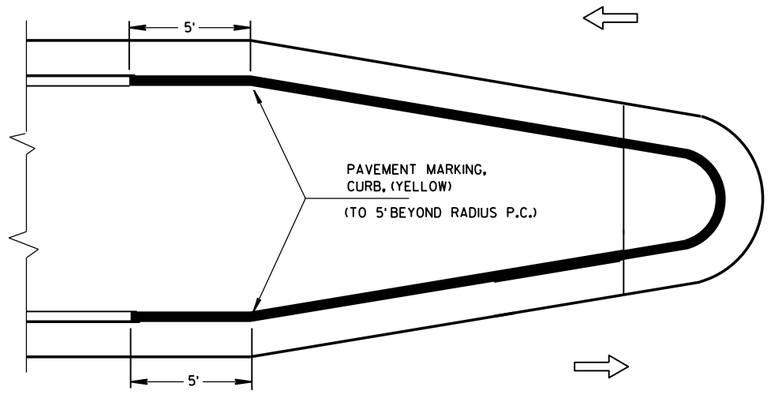
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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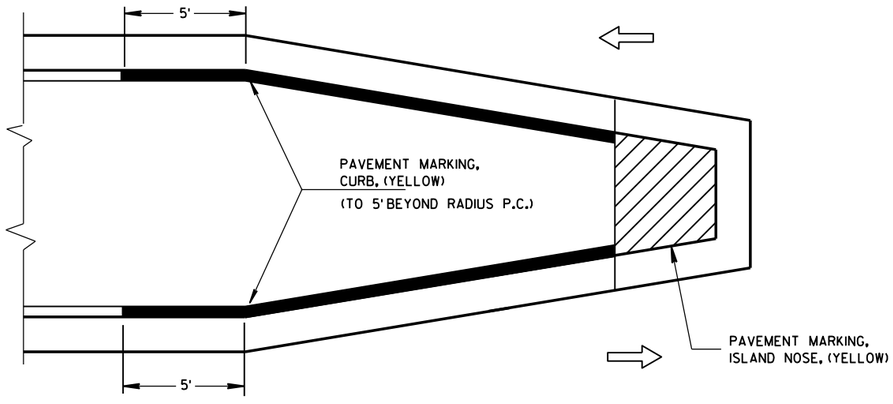
S.D.D. 15 C 8-16c



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

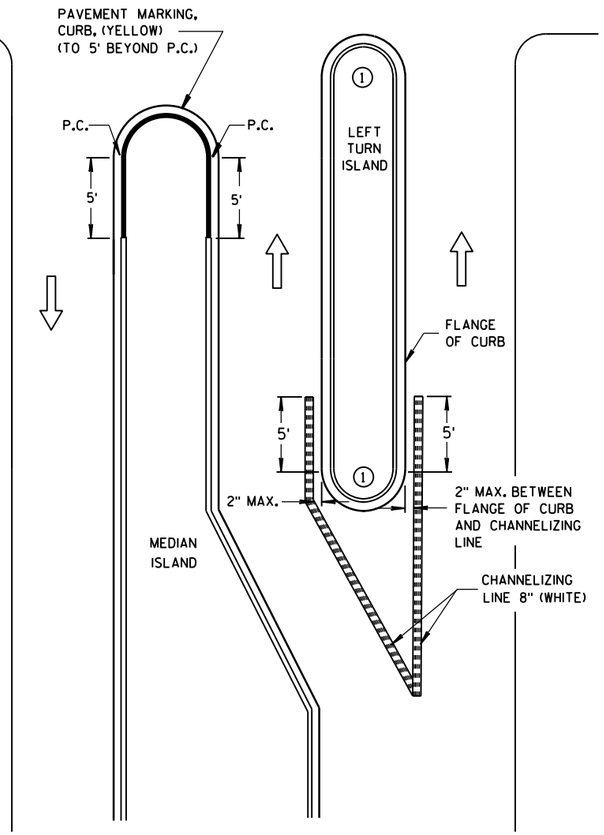


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

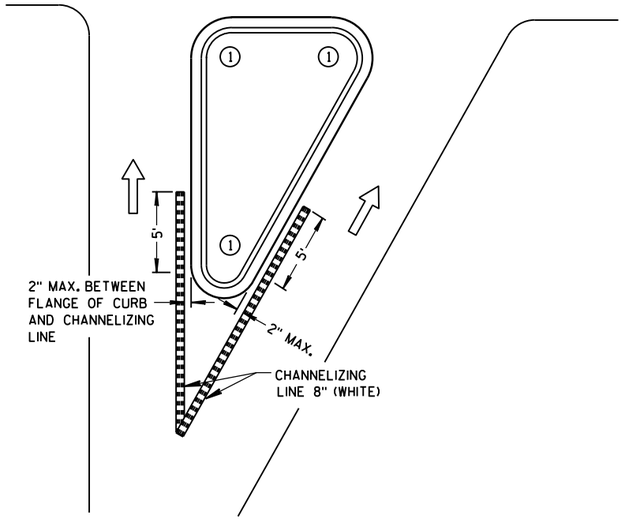


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

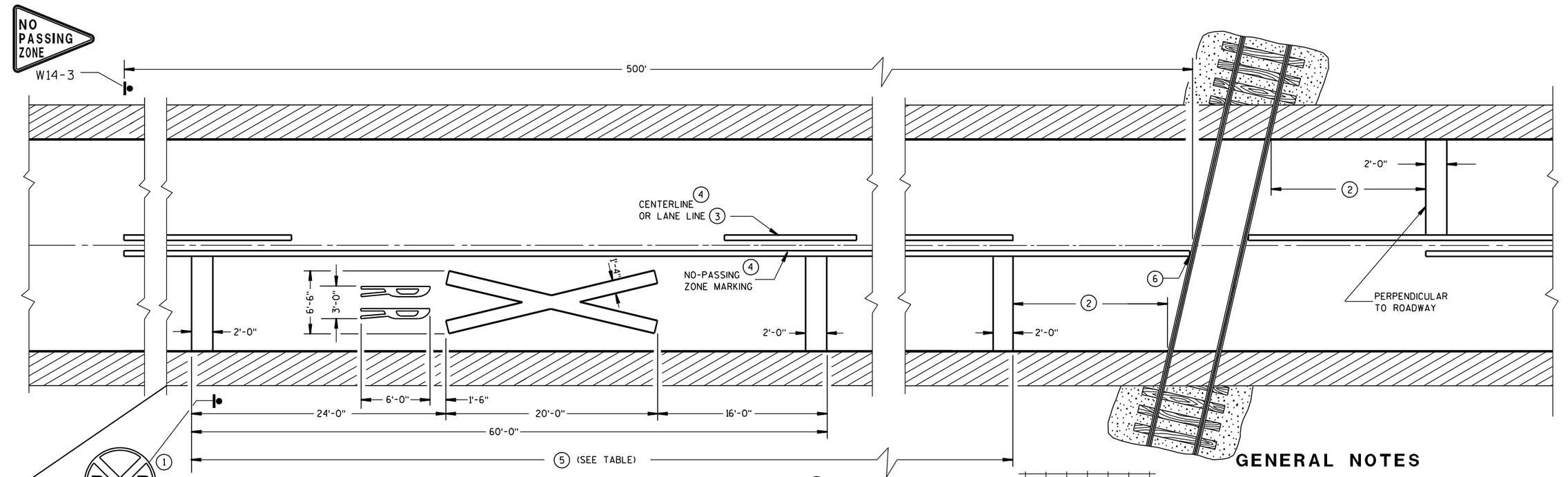
- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

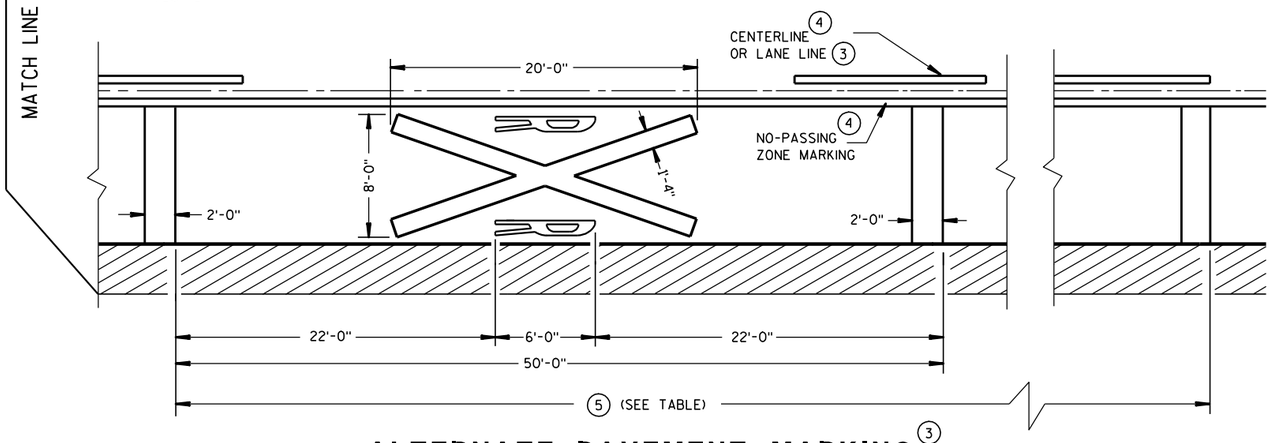
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 C 8-16f



PREFERRED PAVEMENT MARKING 3

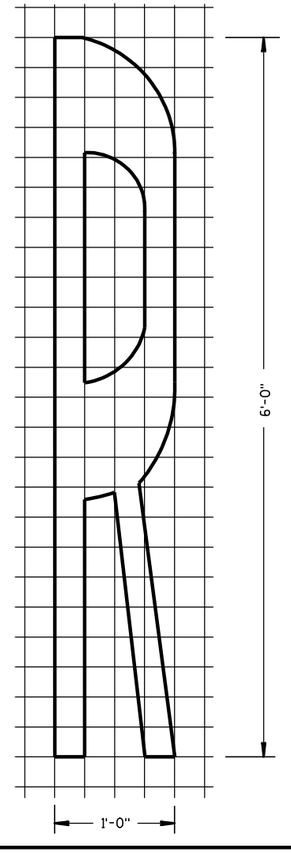


ALTERNATE PAVEMENT MARKING 3

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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

285

DESIGN

FHWA

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S.D.D. 15 C 9-9a

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S.D.D. 15 C 9-9a

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

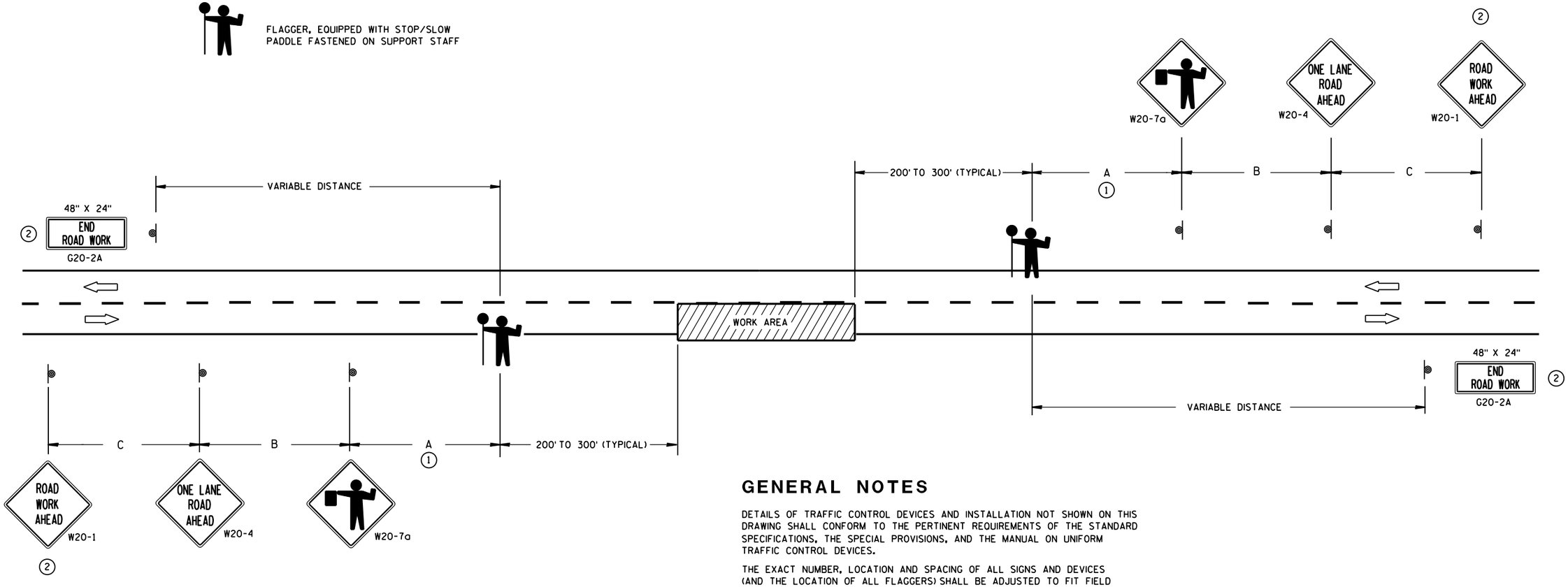
SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

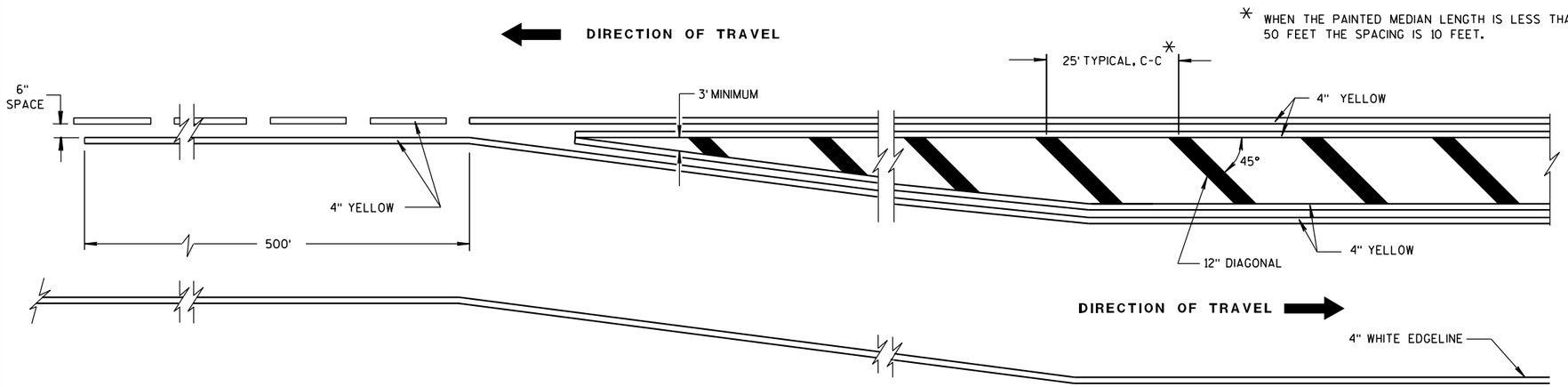
APPROVED
8/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 C 12-4

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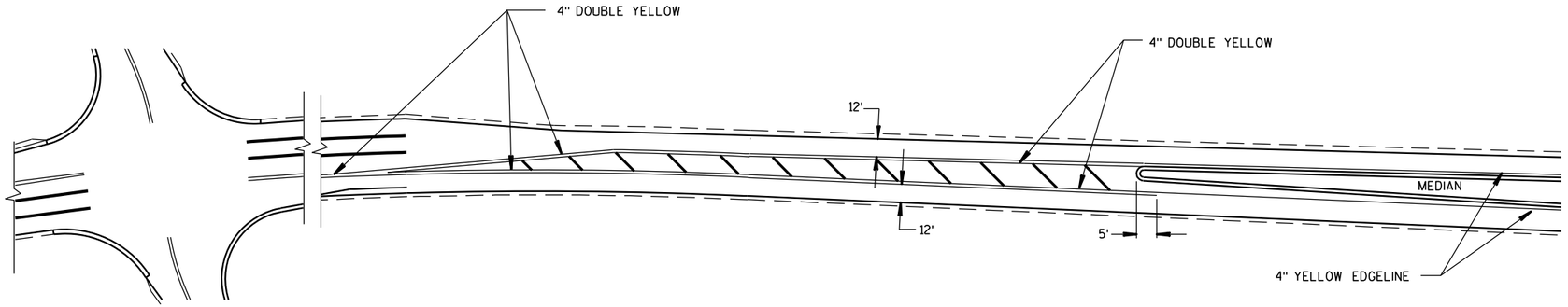
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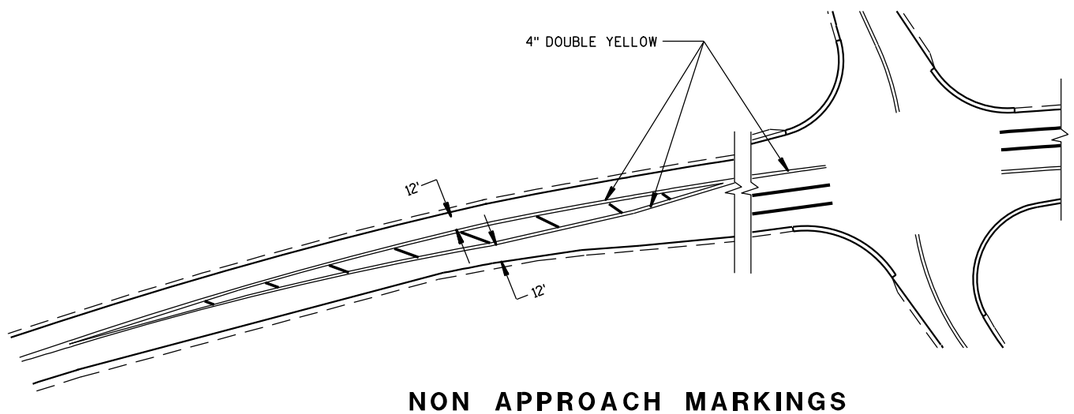
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

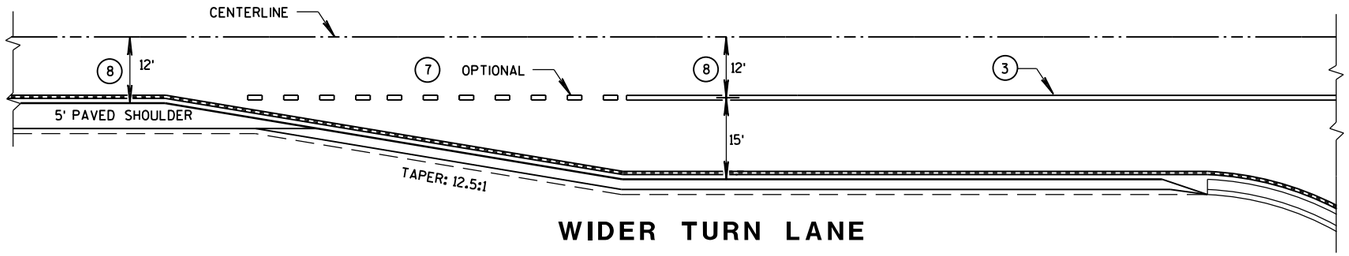
MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER
FHWA	287 IGN

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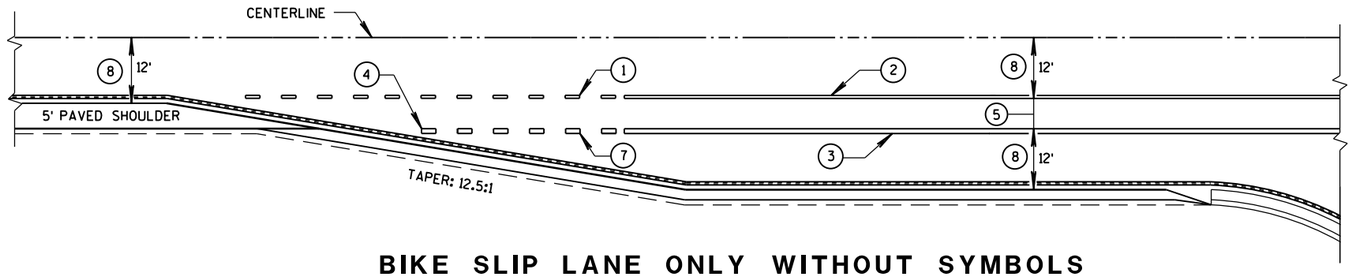
S.D.D. 15 C 18-3

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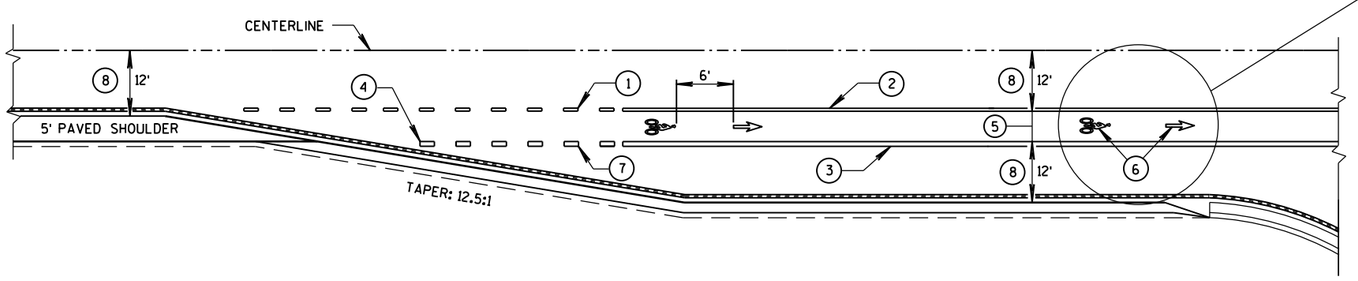
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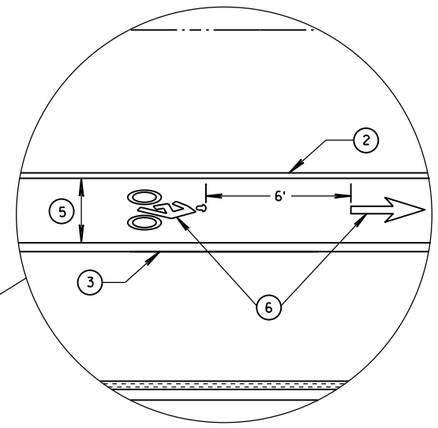
WIDER TURN LANE



BIKE SLIP LANE ONLY WITHOUT SYMBOLS



BIKE LANE WITH SYMBOLS



GENERAL NOTES

1. 3' LINE, 9' GAP - 4-INCH WIDE, WHITE.
2. 4-INCH, WHITE.
3. 8-INCH, WHITE.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMMODATION FOR CONCRETE PAVEMENT IS 5' WIDE. BIKE ACCOMMODATION FOR ASPHALT PAVEMENT IS A MINIMUM OF 4', 5' AT ≥ 45 MPH.
6. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
7. 3' LINE, 9' GAP - 8-INCH WIDE, WHITE.
8. REFER TO CONTRACT PLANS.

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S.D.D. 15 C 29-3a

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

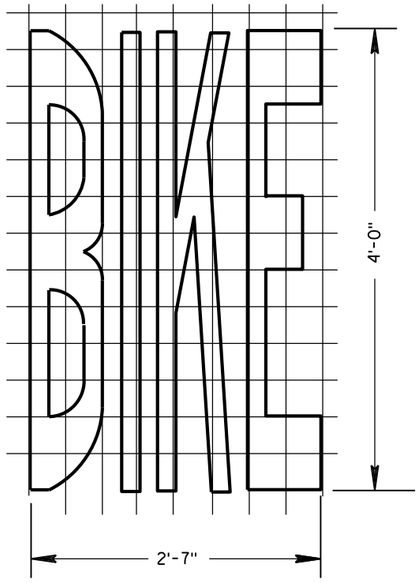
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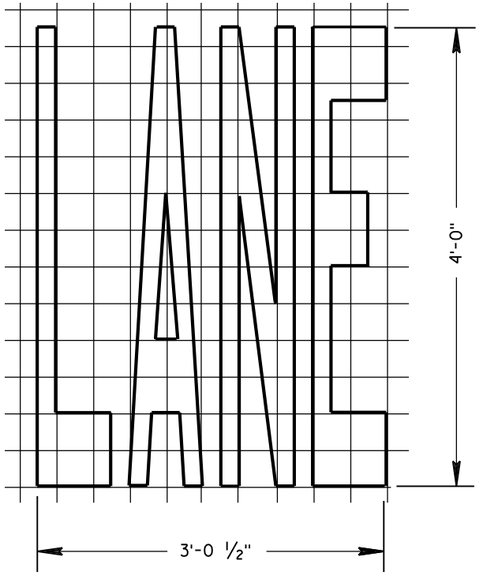
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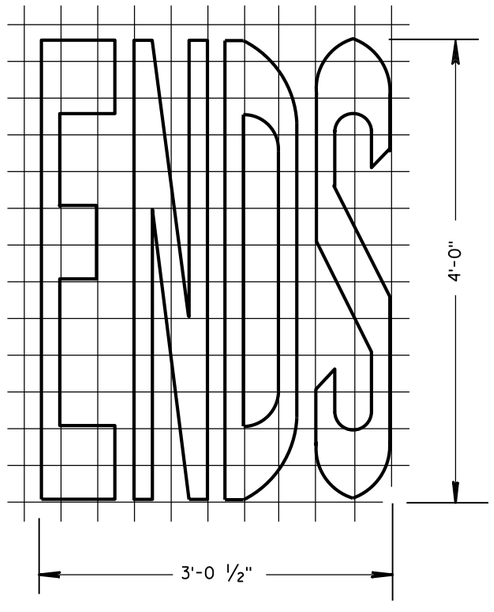
GENERAL NOTES

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

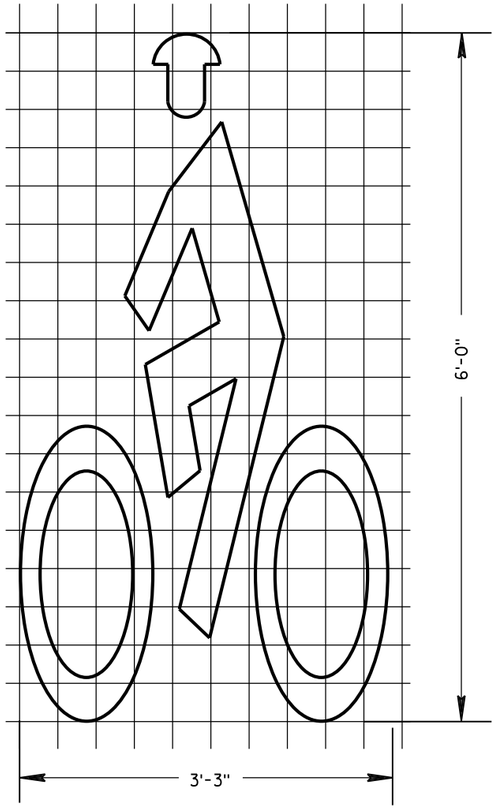
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



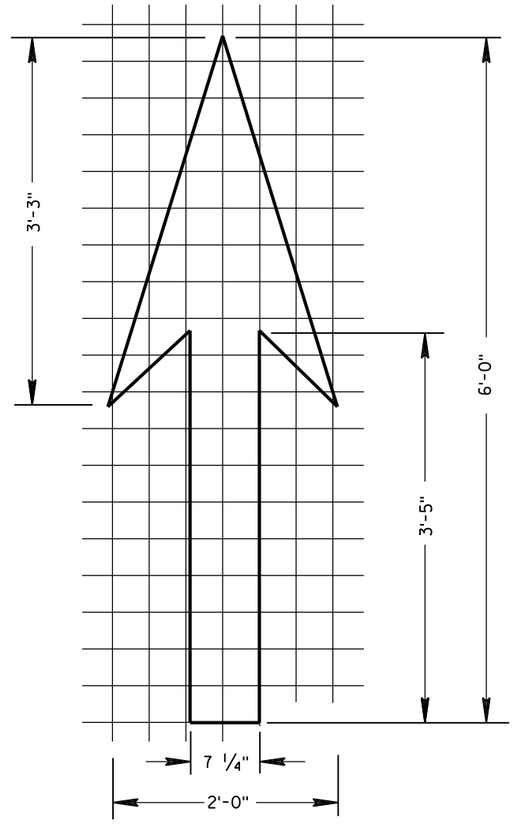




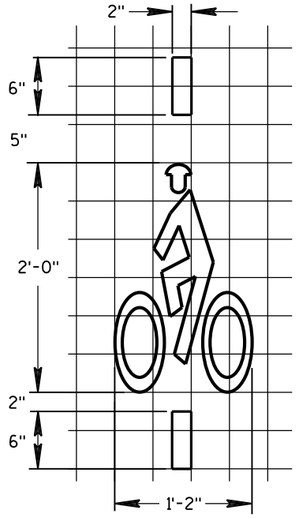
BIKE LANE WORDS



BIKE LANE SYMBOL



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-30-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC EN

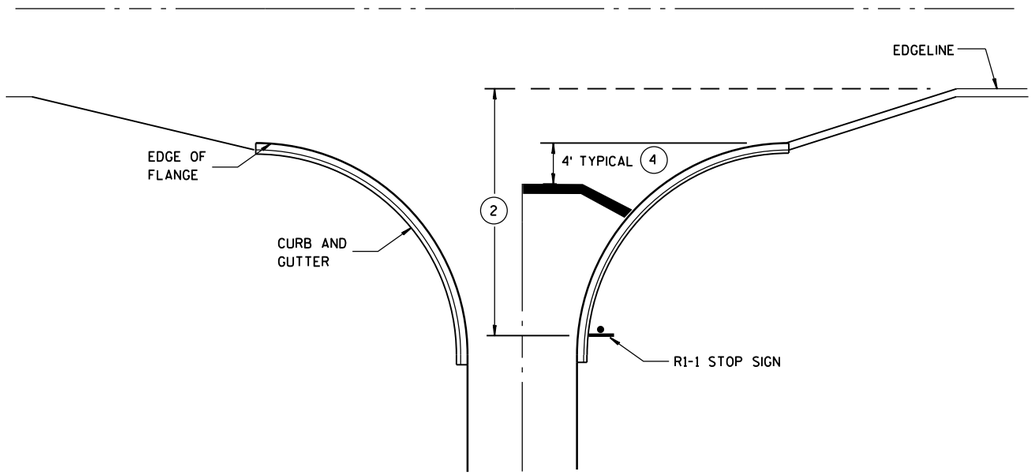
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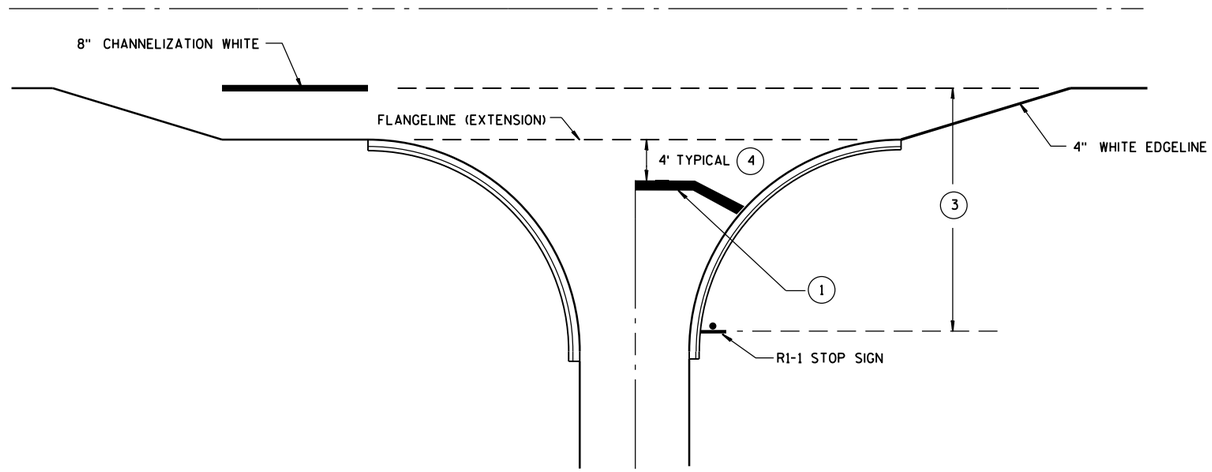
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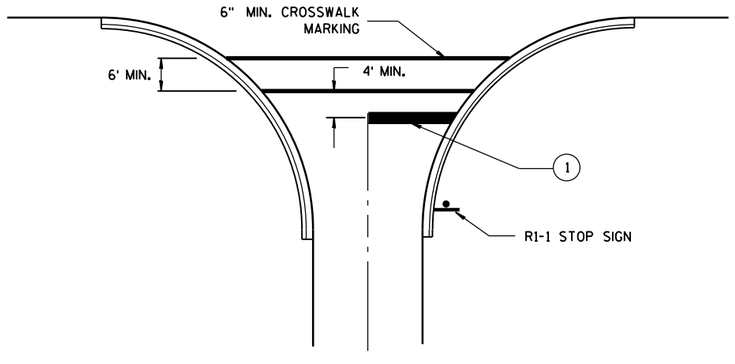
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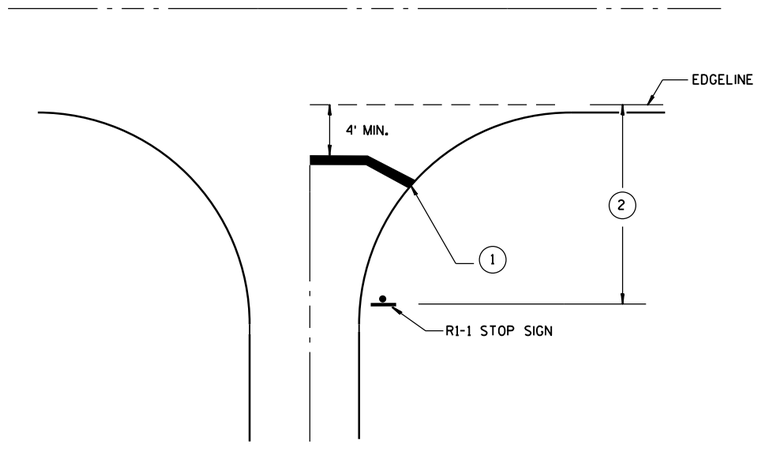
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

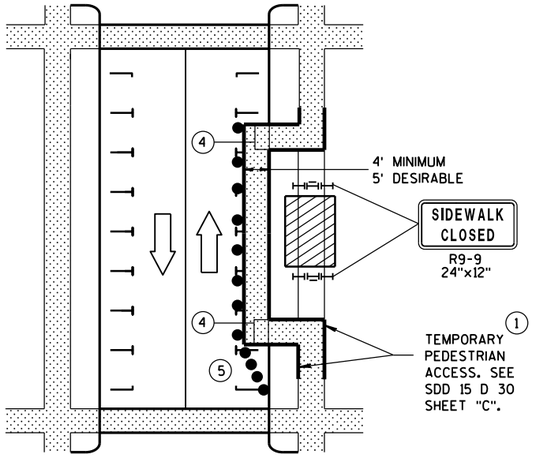
/S/ Travis Feltes
STATE TRAFFIC E

FHWA

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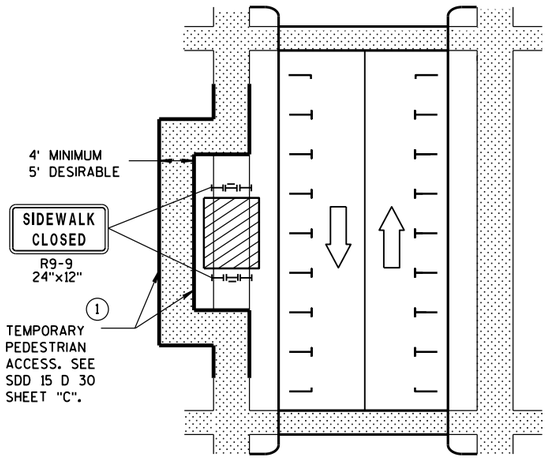
S.D.D. 15 C 33-1

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

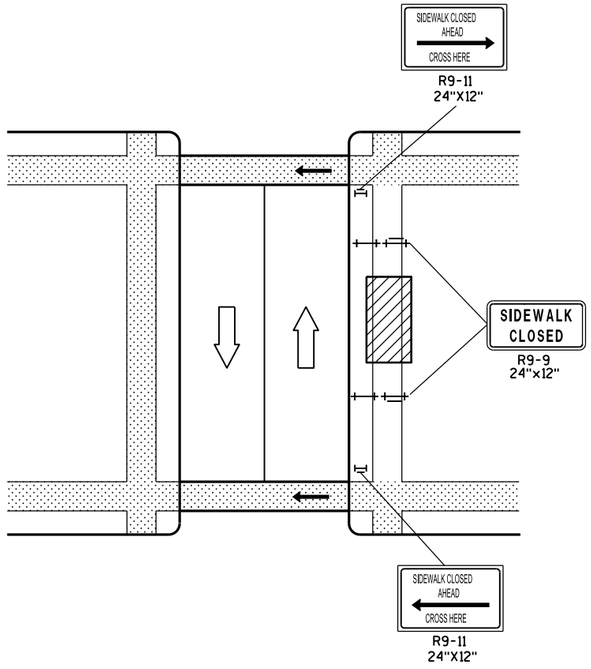


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

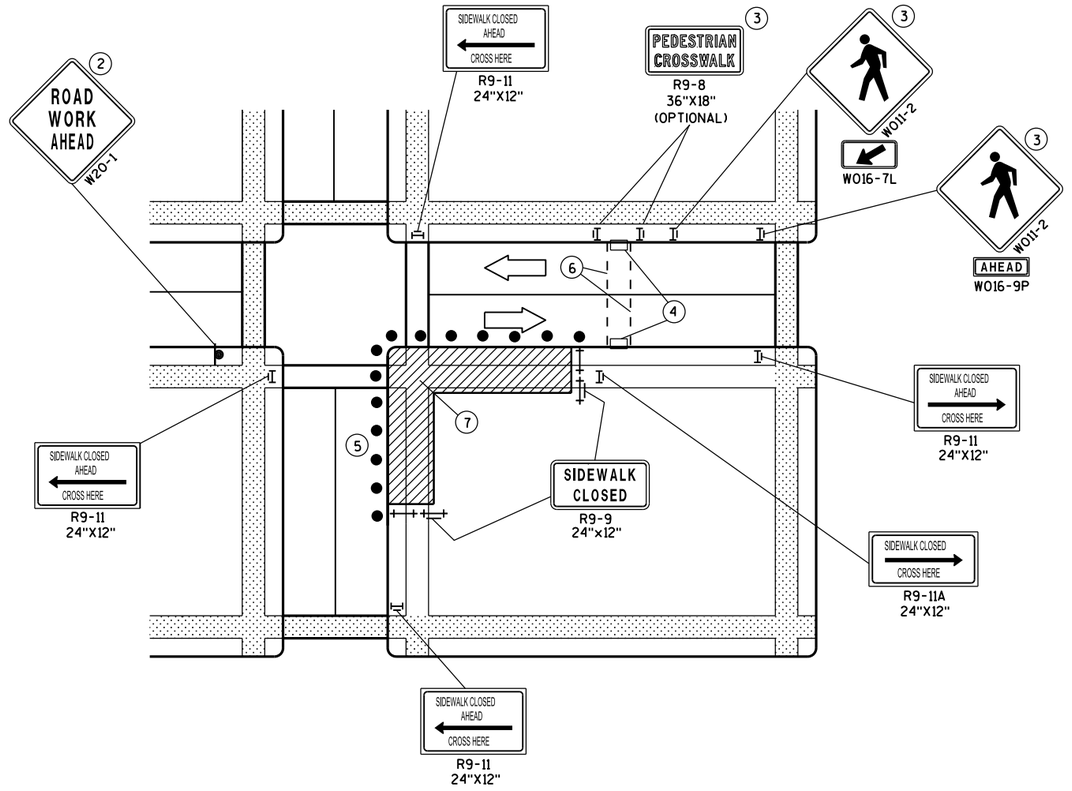
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

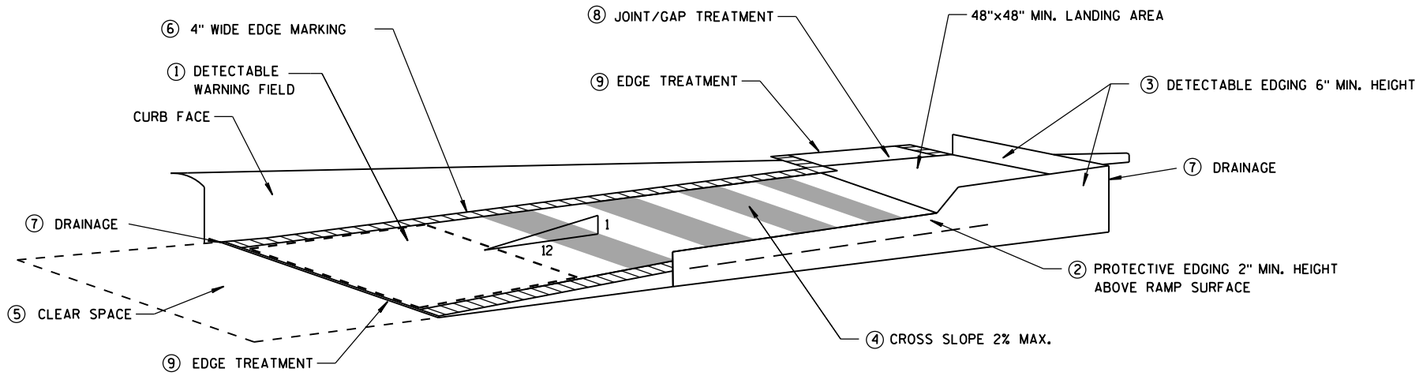
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 15 D 30-2a

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S.D.D. 15 D 30-2a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

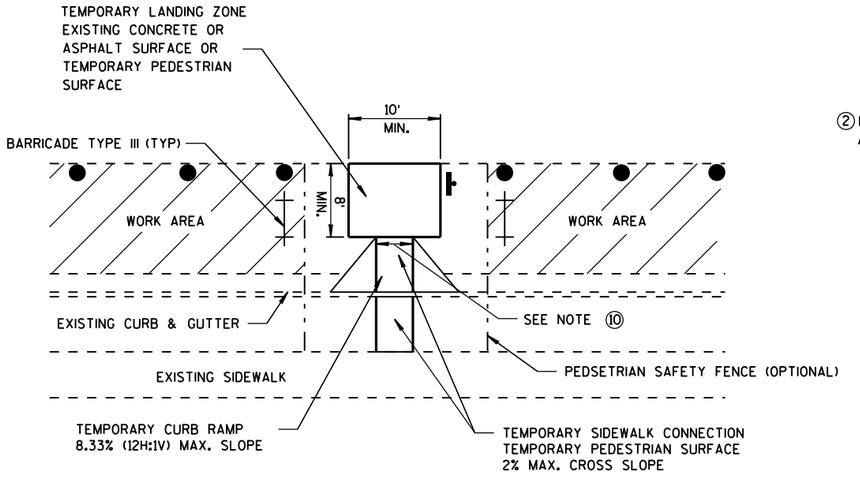
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

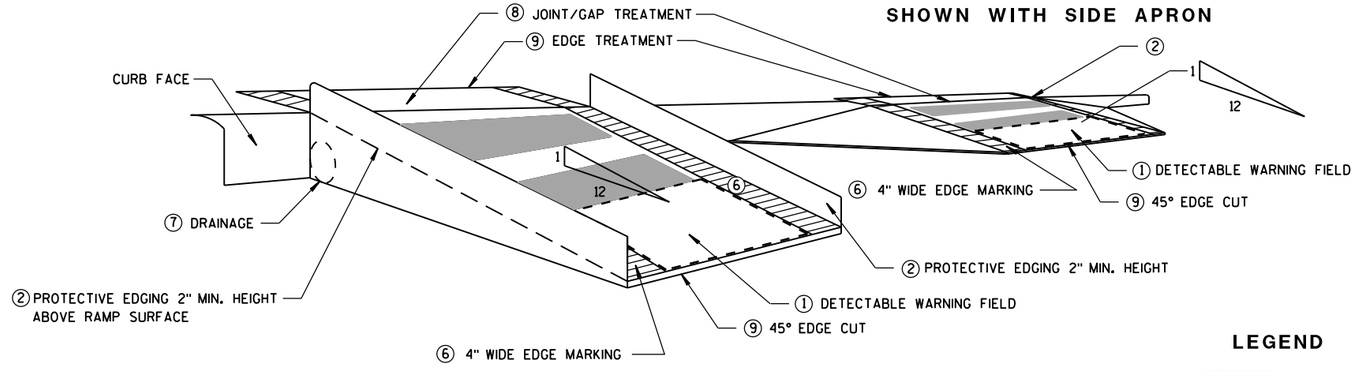
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2015 DATE — /S/ Travis Feltes STATE TRAFFIC ENGINEER — SIGN

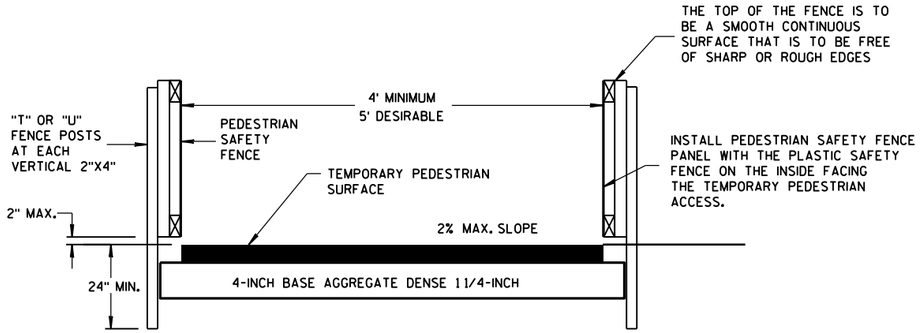
FHWA

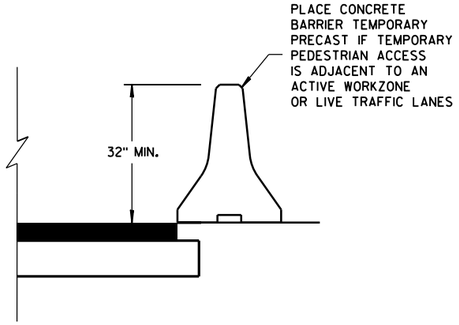
6

S.D.D. 15 D 30-2b

6

S.D.D. 15 D 30-2b

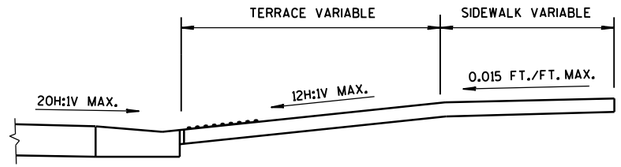




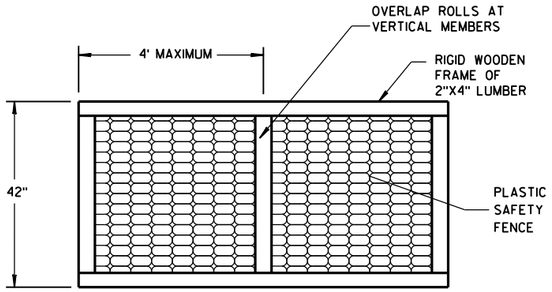
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

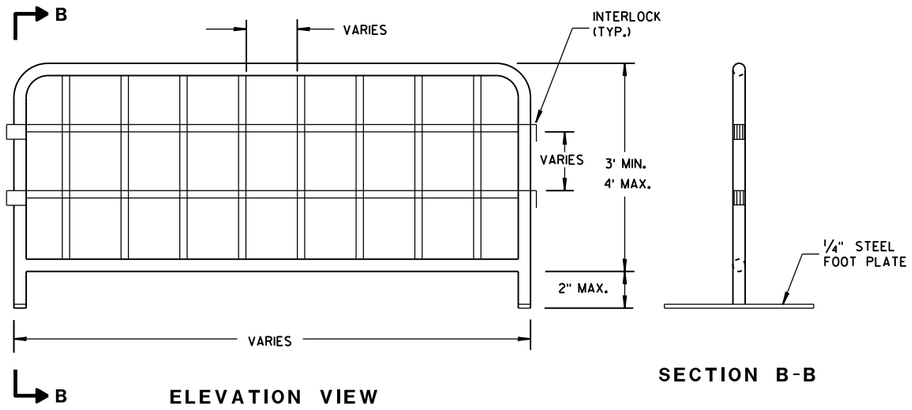
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



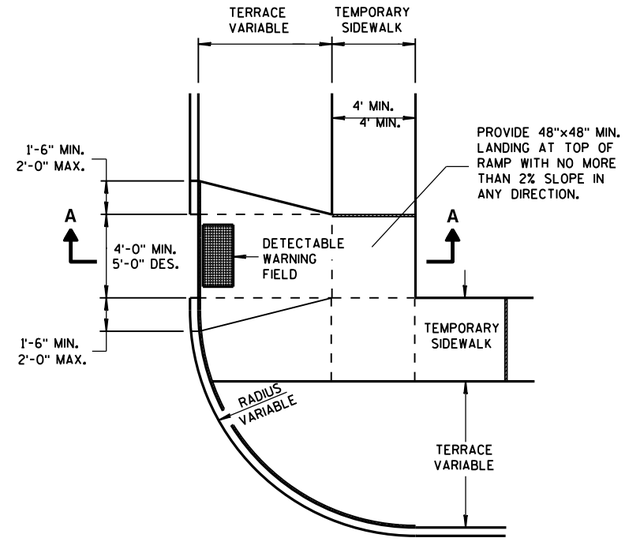
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

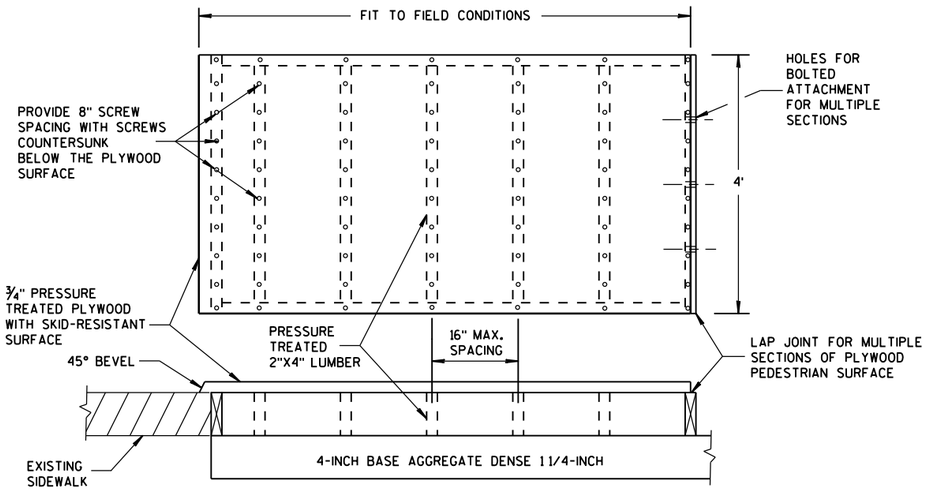
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



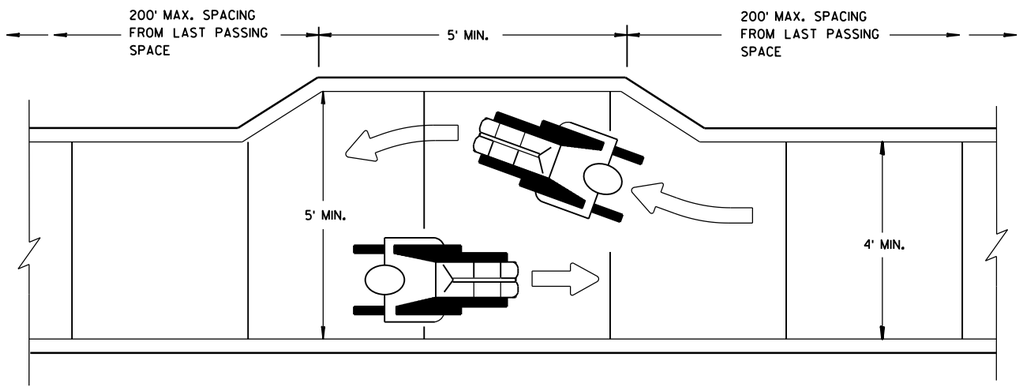
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN
FHWA

6

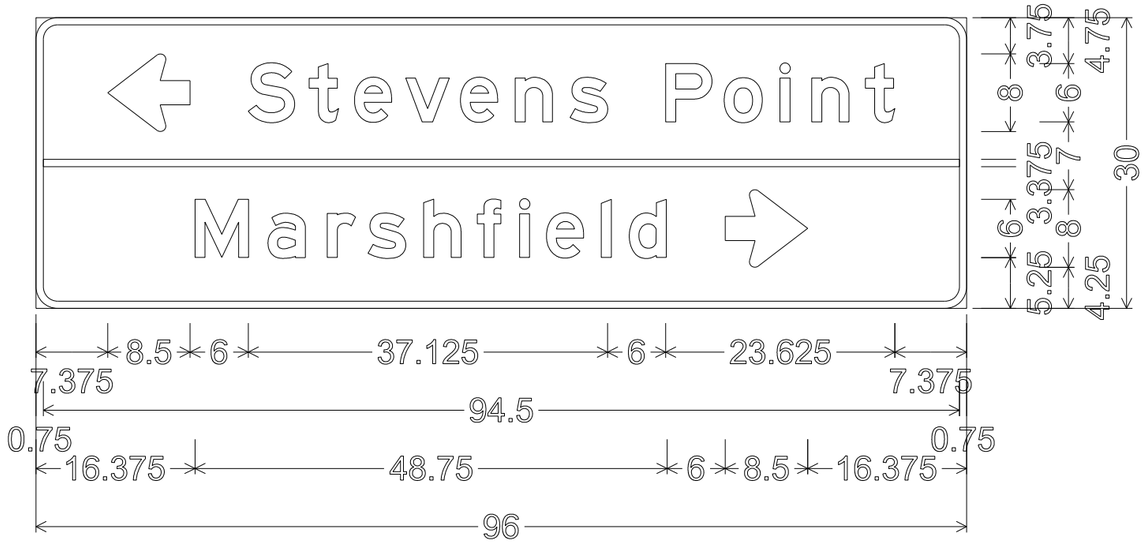
S.D.D. 15 D 30-2c

6

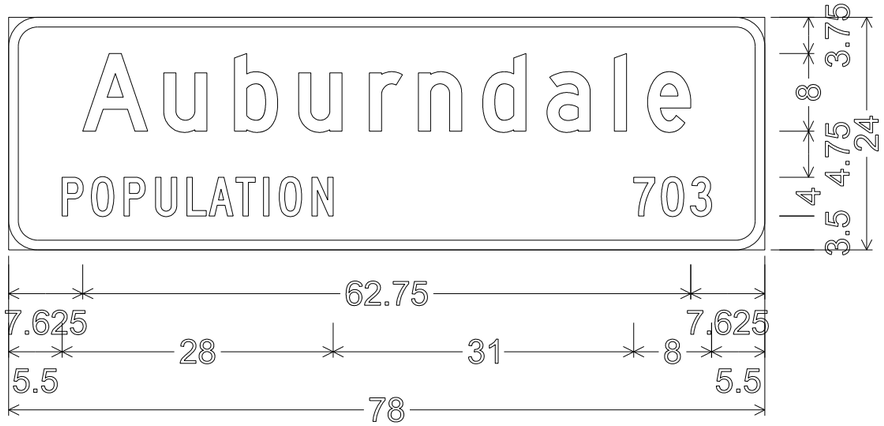
S.D.D. 15 D 30-2c

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



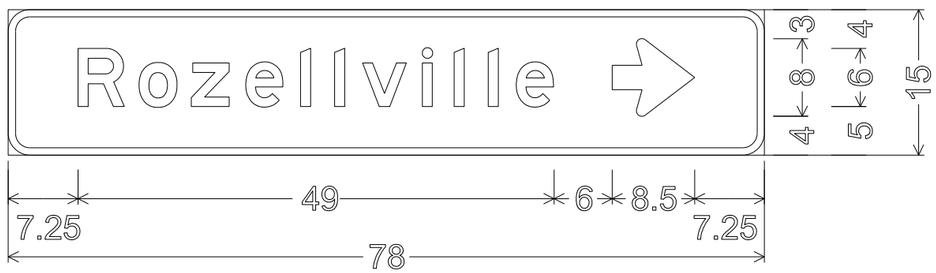
D1-2; 2.250" Radius, 0.750" Border



I2-3;
3.000" Radius, 1.000" Border
"Auburndale" D; "POPULATION" C ; "703" C;



D1-1;
2.250" Radius, 0.750" Border,



D1-1;
2.250" Radius, 0.750" Border,

7

7

PROJECT NO: 6350-07-77/88	HWY: CTH P	COUNTY: WOOD	PERMANENT SIGNING	SHEET NO:

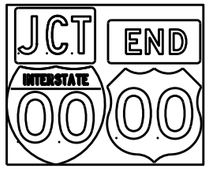
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WISDOT/CADDS SHEET 42

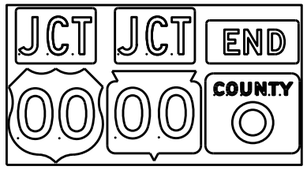
TYPICAL ASSEMBLIES



J1-1



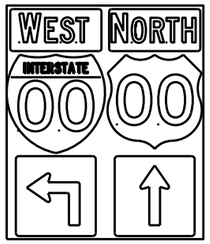
J1-2



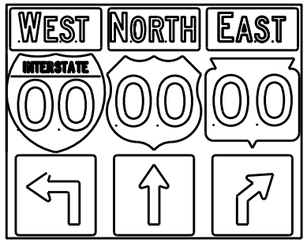
J1-3



J2-1



J2-2

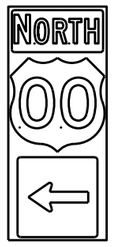


J2-3

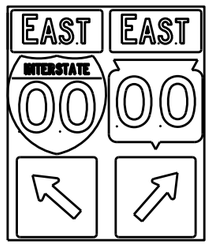


JV

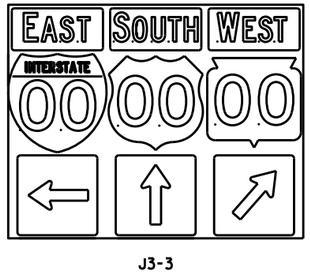
(Typical Vertical J-Assembly
See Note 10 and 11)



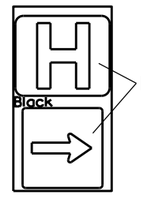
J3-1



J3-2



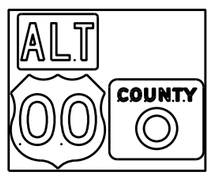
J3-3



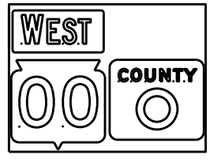
JH-1



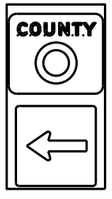
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

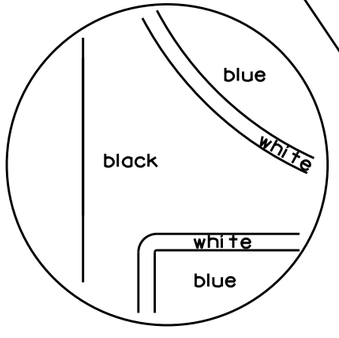


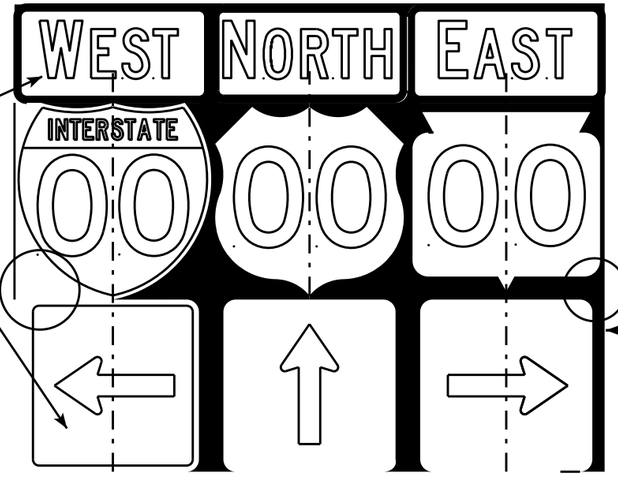
J23-1

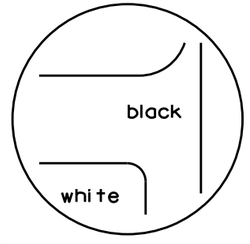


J22-1

[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

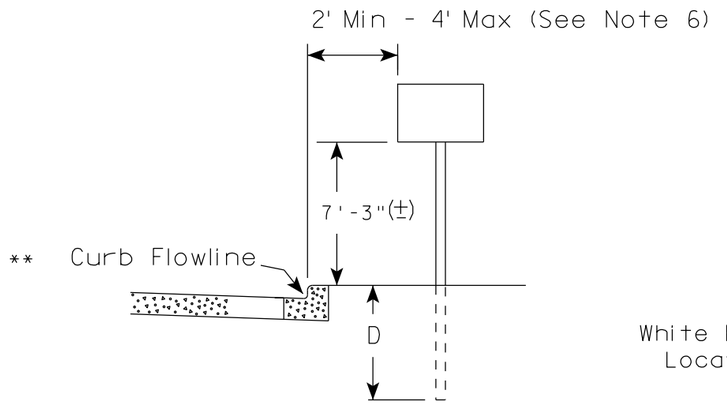
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

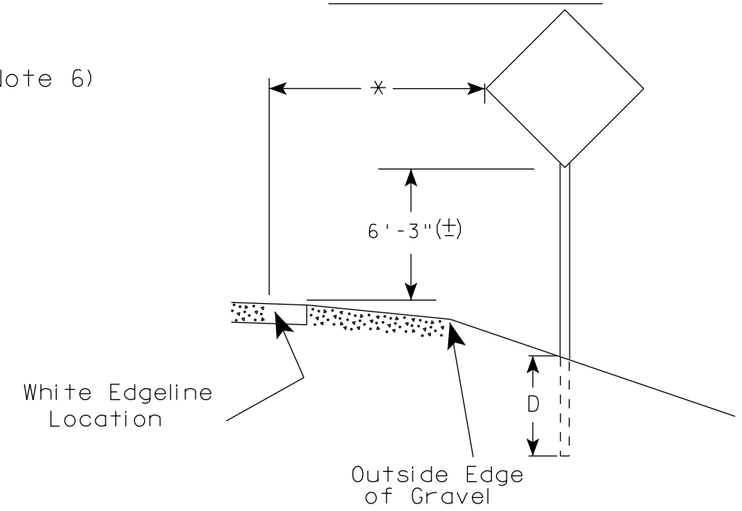
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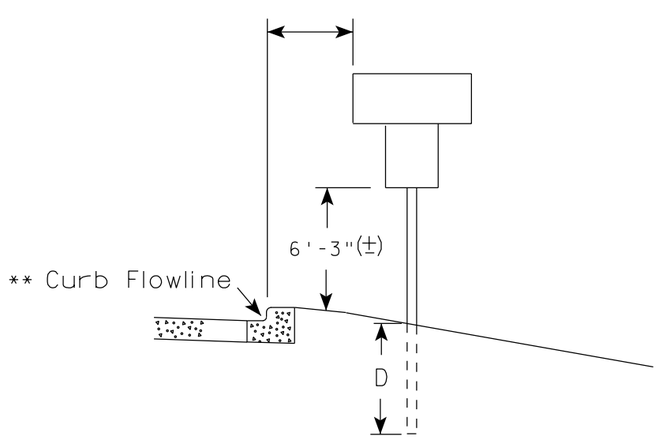
WISDOT/CADDS SHEET 42

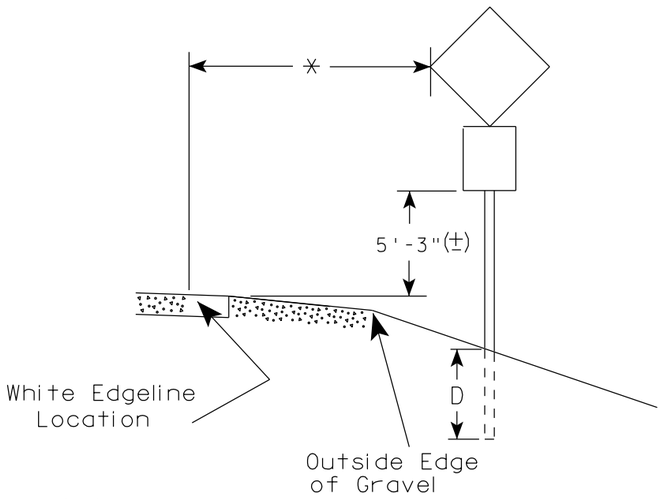
URBAN AREA



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" (±).

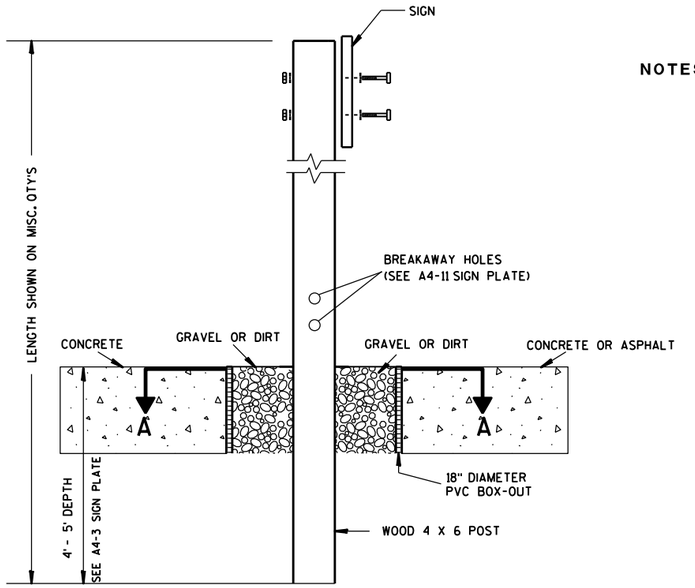
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

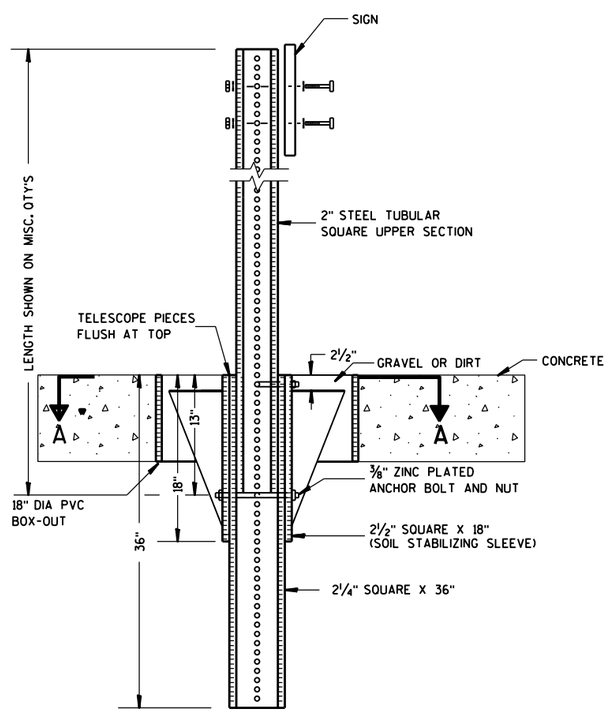
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

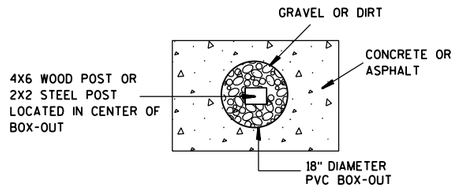
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

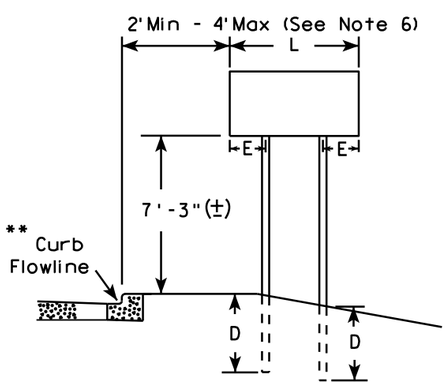
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

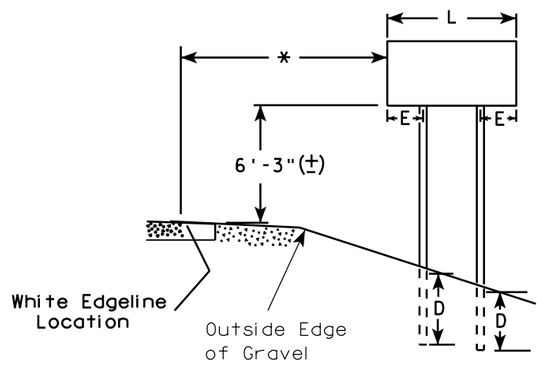
DATE 1/27/14 PLATE NO. A4-3B.1

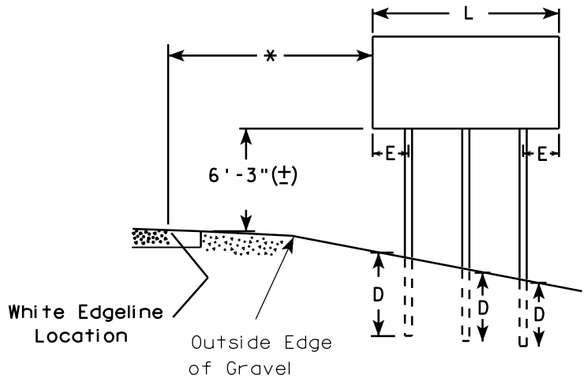
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

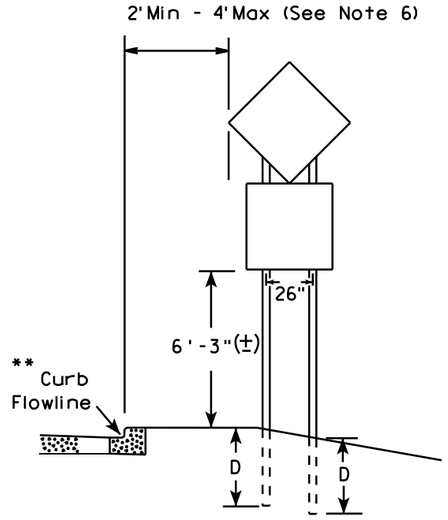
URBAN AREA



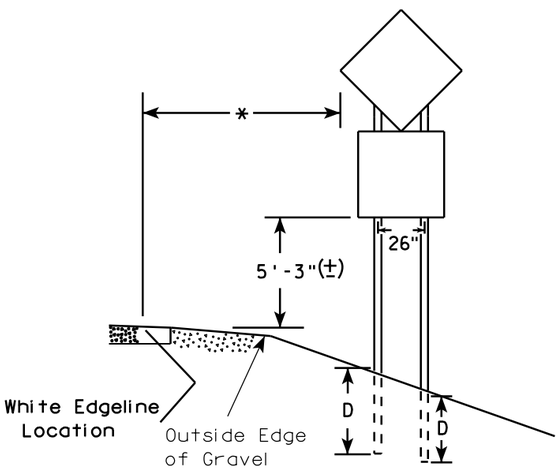
RURAL AREA (See Note 3)







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

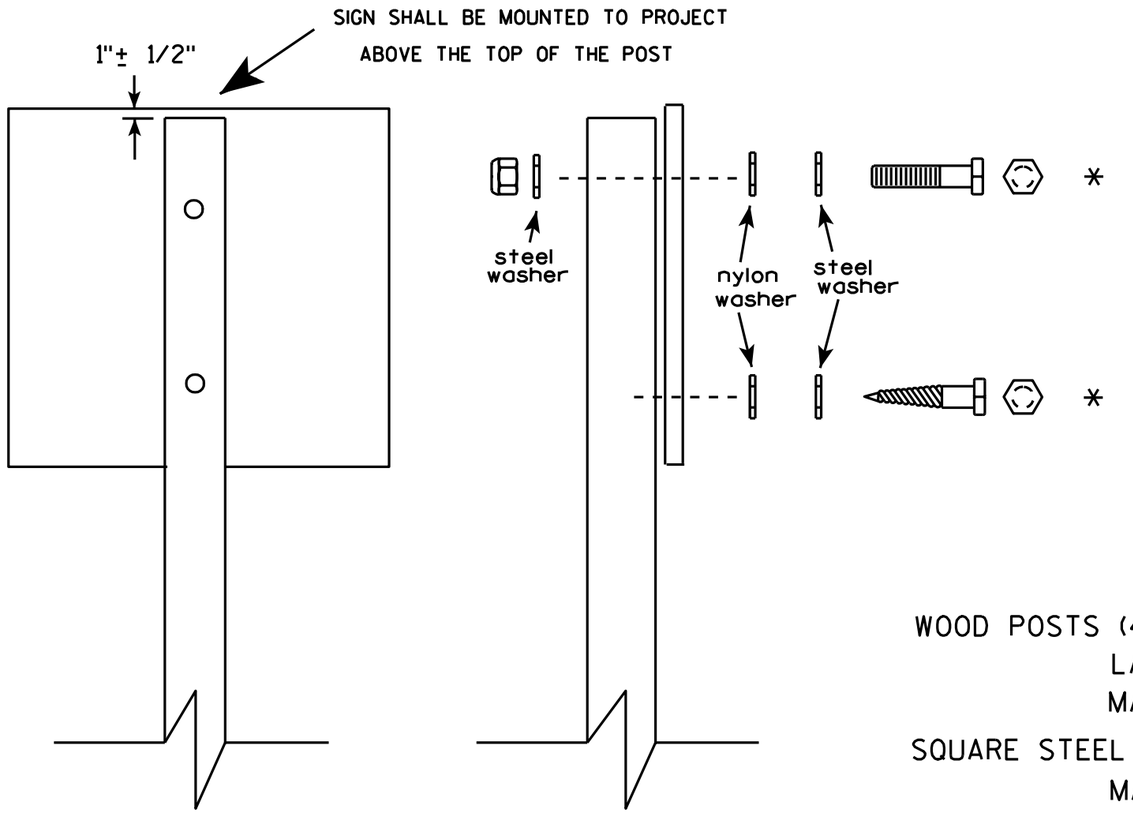
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14

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

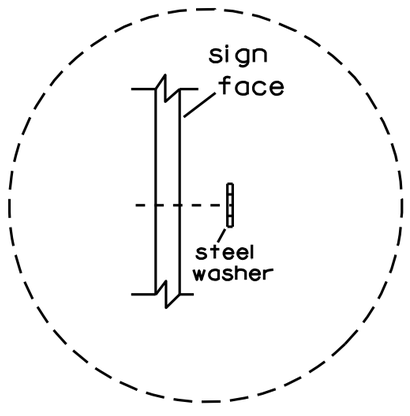
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
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 for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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 3/23/10 PLATE NO. A4-8.7

7

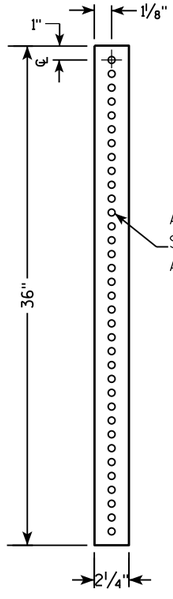
7

PROJECT NO:

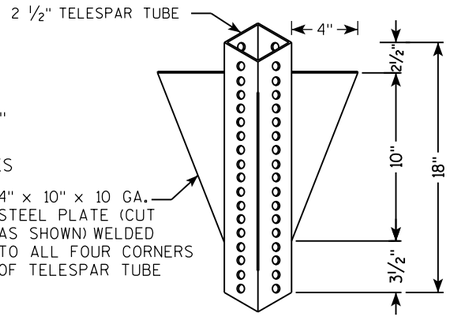
SHEET NO: 299 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

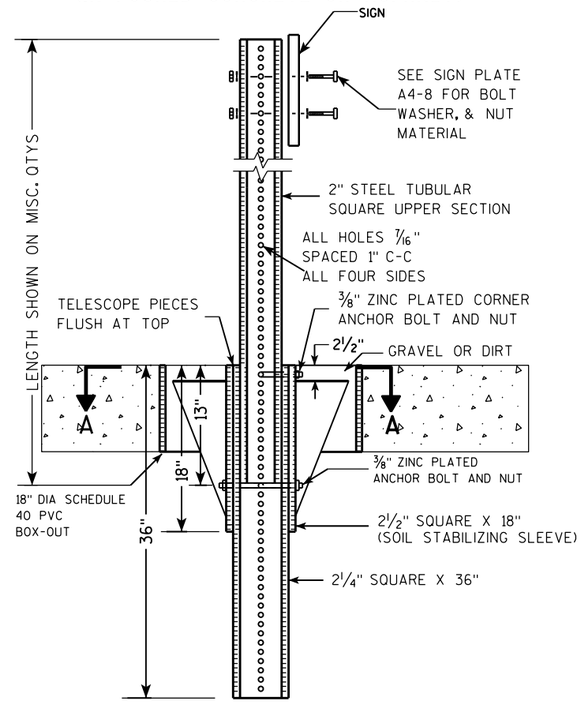
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



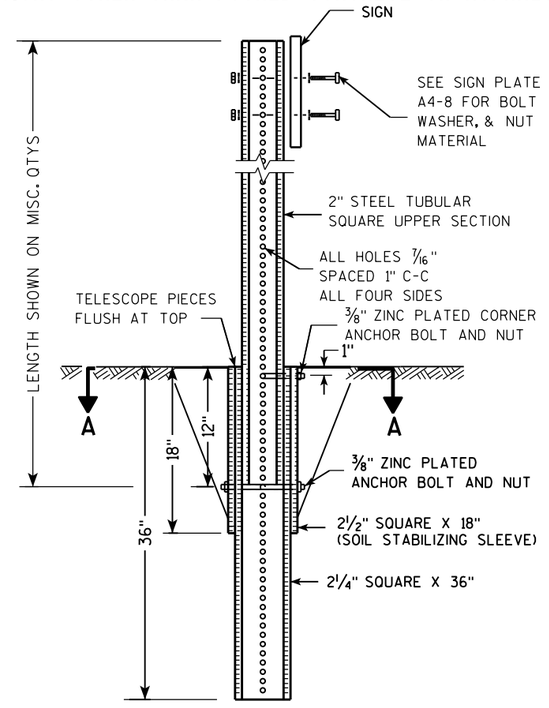
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

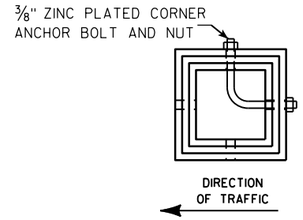


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

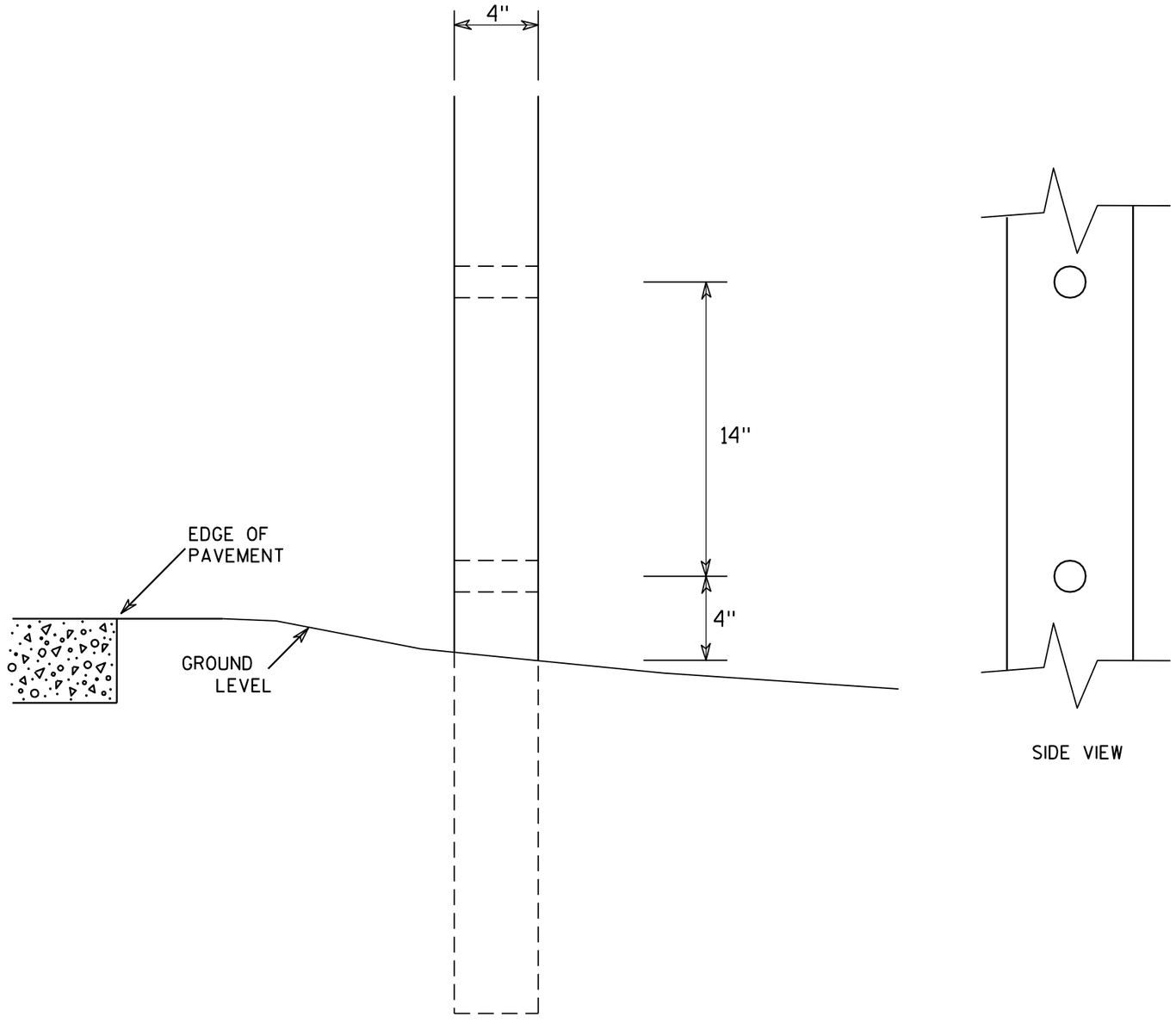
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 300 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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.

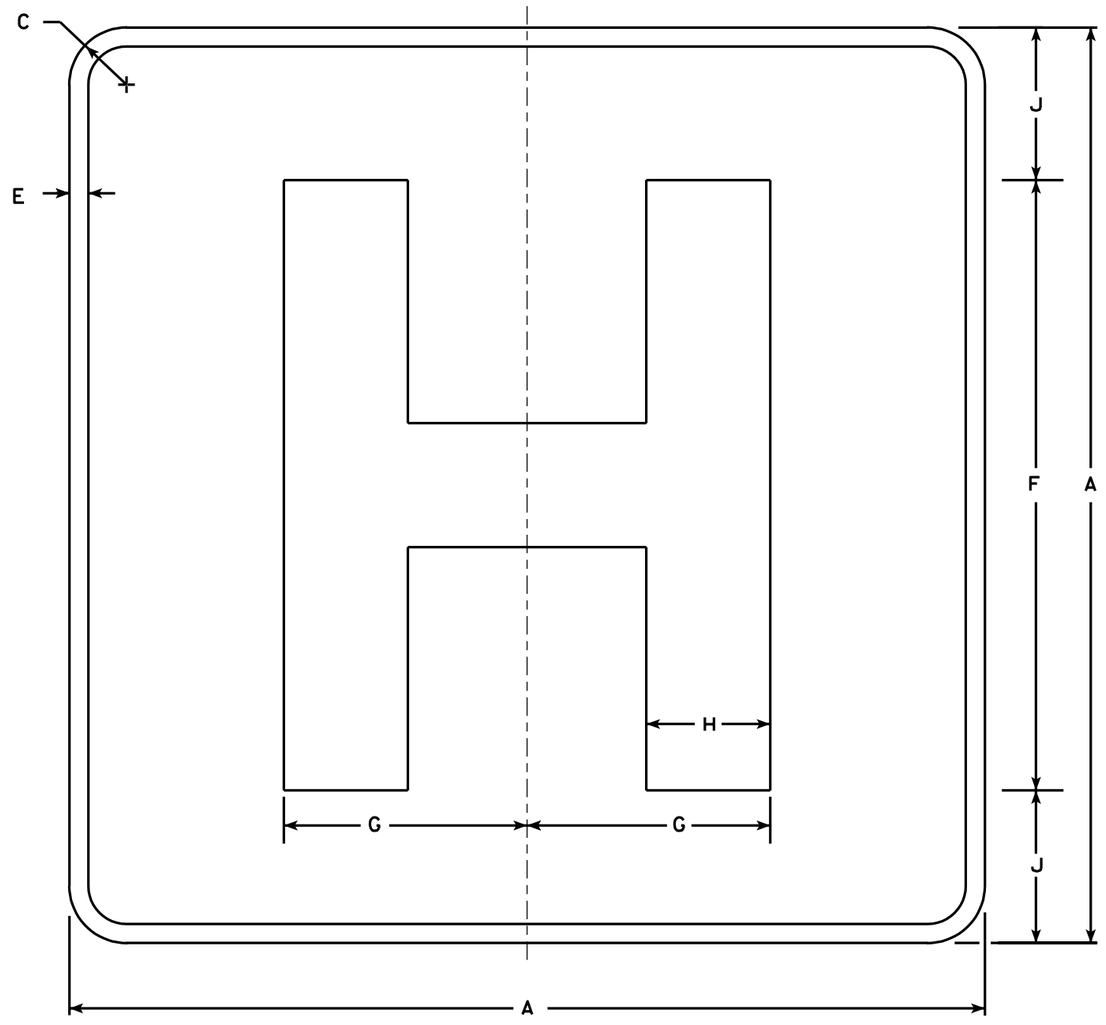
4 X 6 WOOD POST MODIFICATIONS

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: 301	E



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

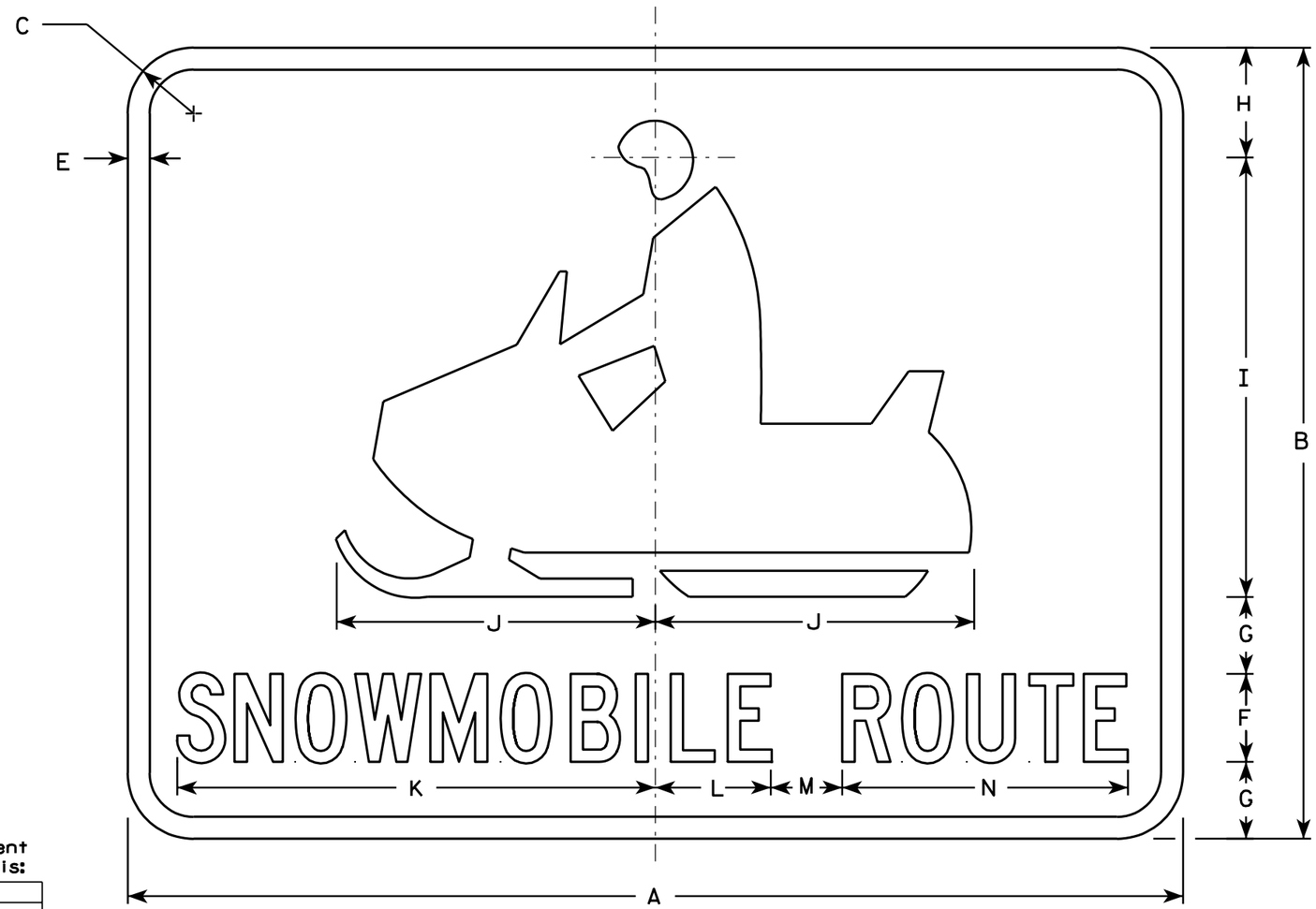
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 302 E



D11-6

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 - 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.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 450 mm
3	
4	
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.	Area m²
1																												
2	24	18	1 1/2		1/2	2	1 3/4	2 1/2	10	7 1/4	10 7/8	2 5/8	1 5/8	6 1/2													3.0	0.27
3																												
4																												
5																												

STANDARD SIGN
D11-6

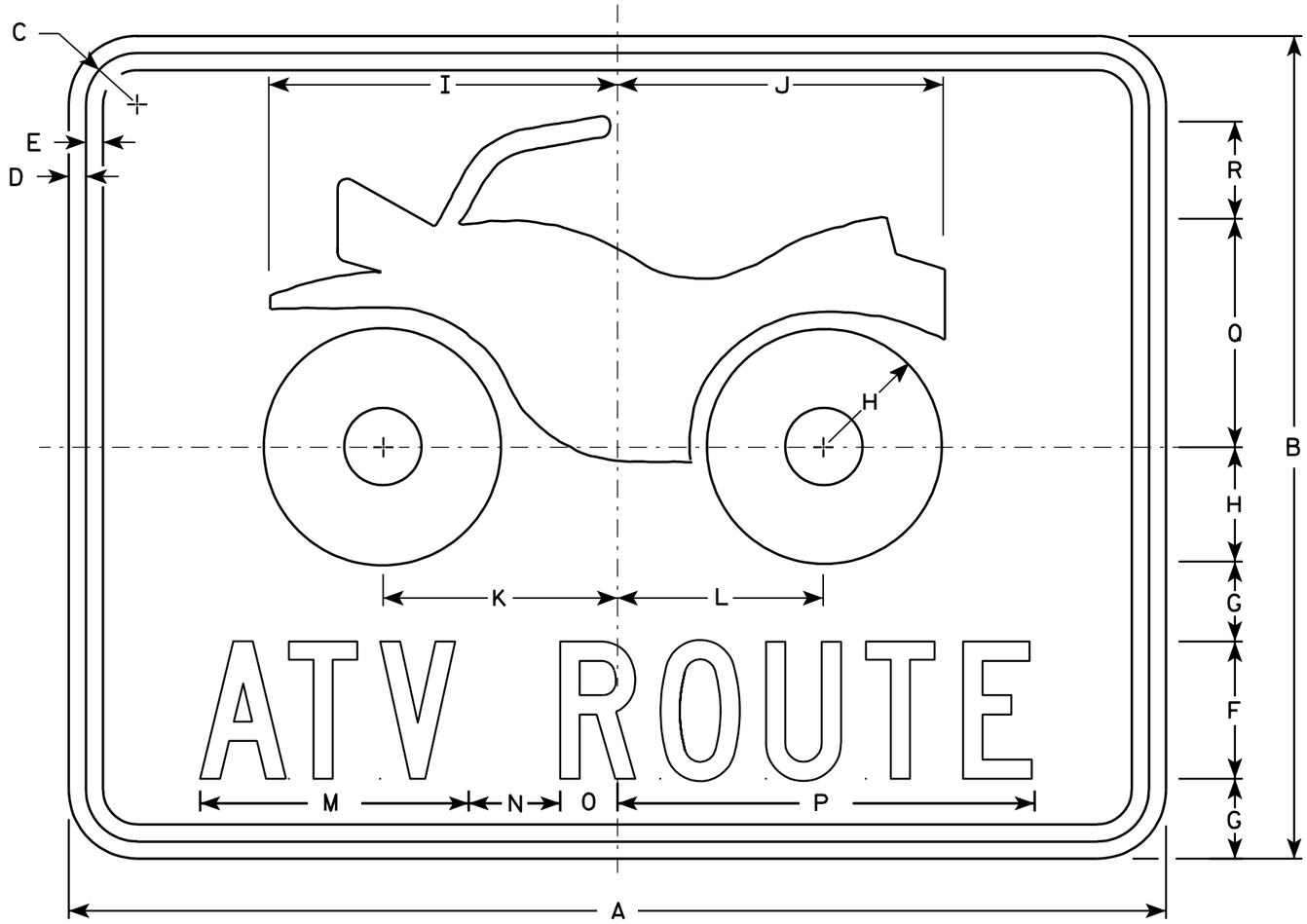
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spay for State Traffic Engineer

DATE 1/16/02 PLATE NO. D11-6.6

PROJECT NO:

SHEET NO: 303 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 - Green
   Message - White - Type H Reflective
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.

D11-10

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 450 mm
3	
4	
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.	Area m²
1																												
2	24	18	1 1/8	3/8	3/8	3	1 3/4	2 1/2	7 5/8	7 1/8	5 1/8	5 1/2	5 7/8	2	1 1/4	9 1/8	5	2 1/8									3.0	0.27
3																												
4																												
5																												

STANDARD SIGN
D11-10

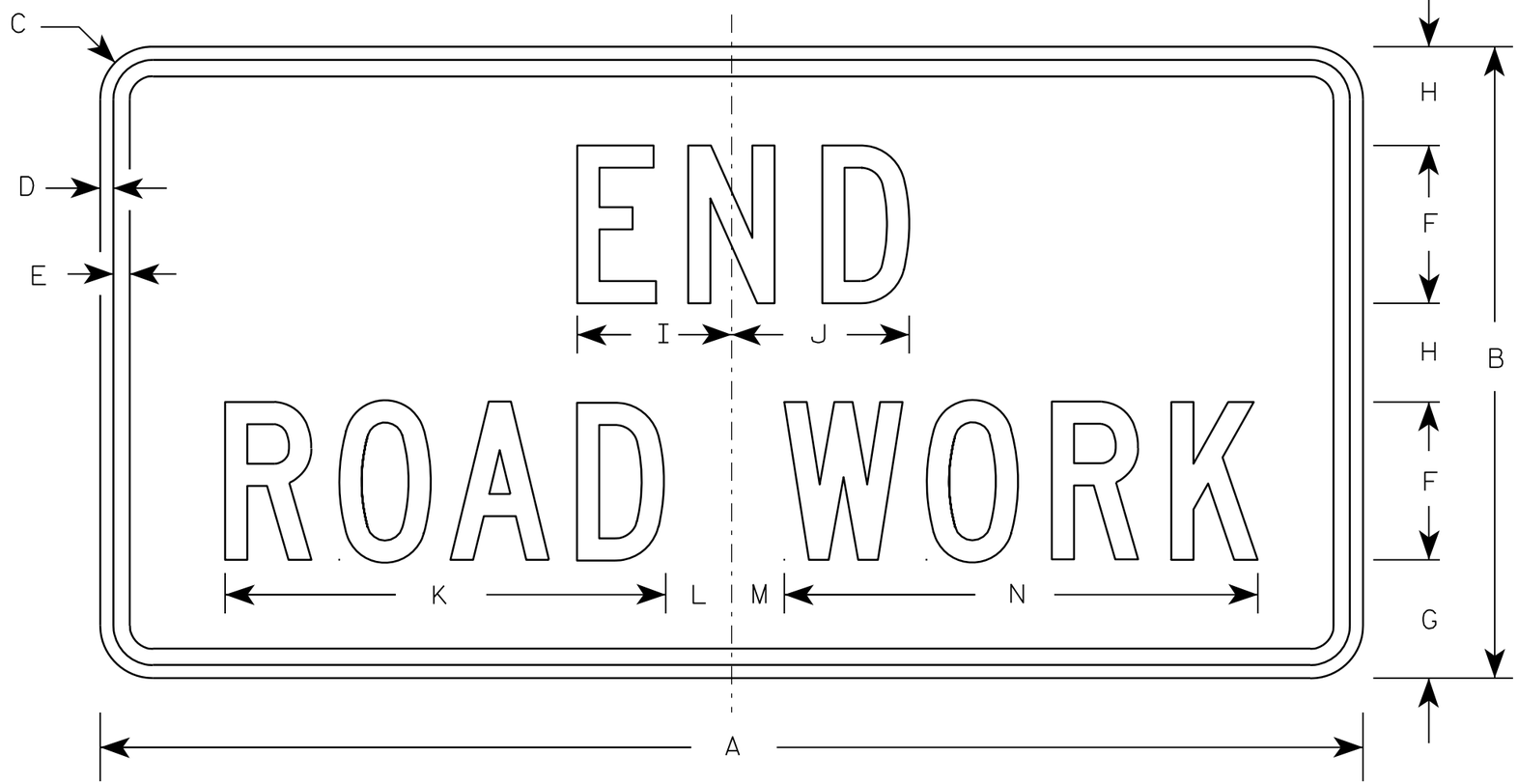
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chesta J Spagg for State Traffic Engineer

DATE 1/16/02 PLATE NO. D11-10.4

PROJECT NO:

SHEET NO: 304 E



G20-2A

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 - 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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 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	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

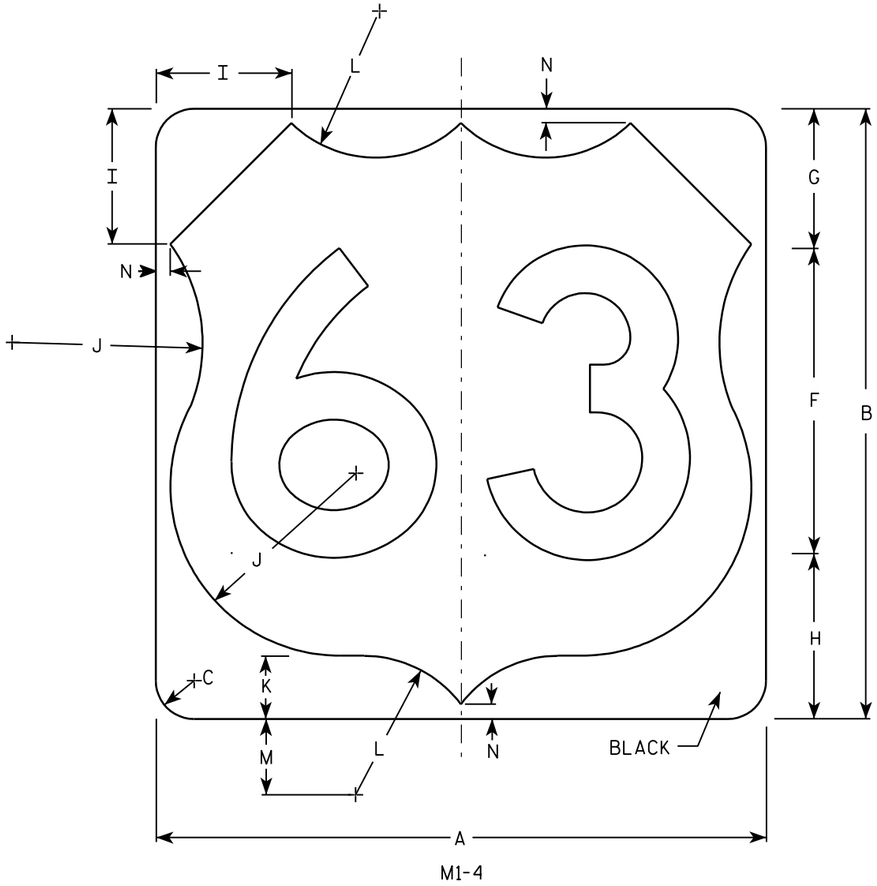
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

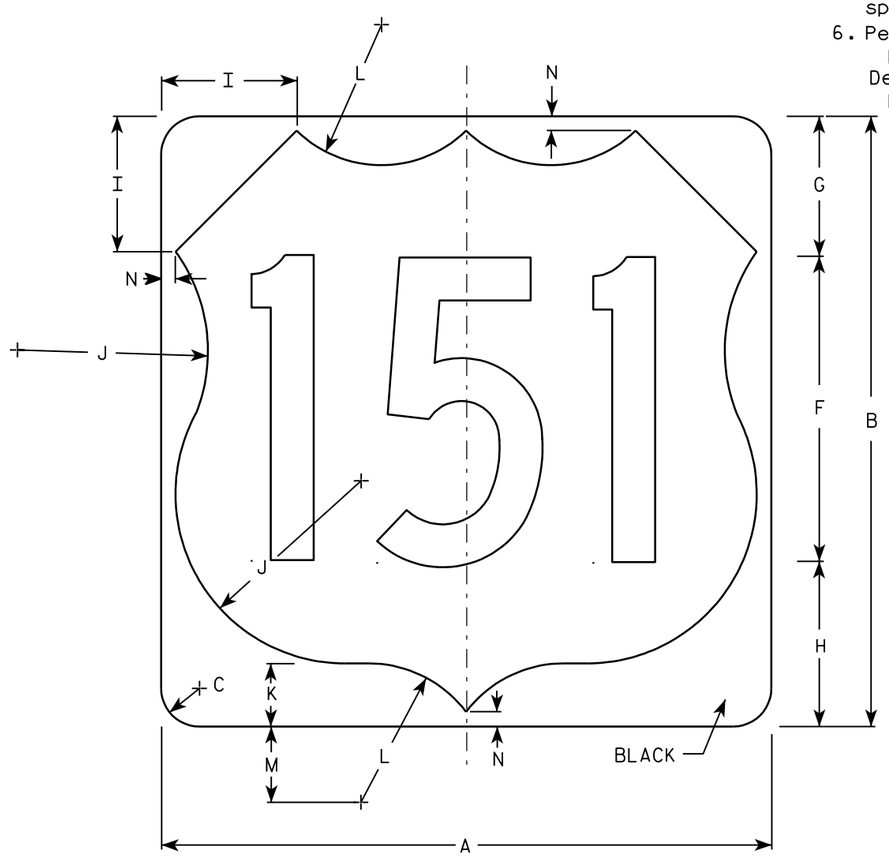
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E

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

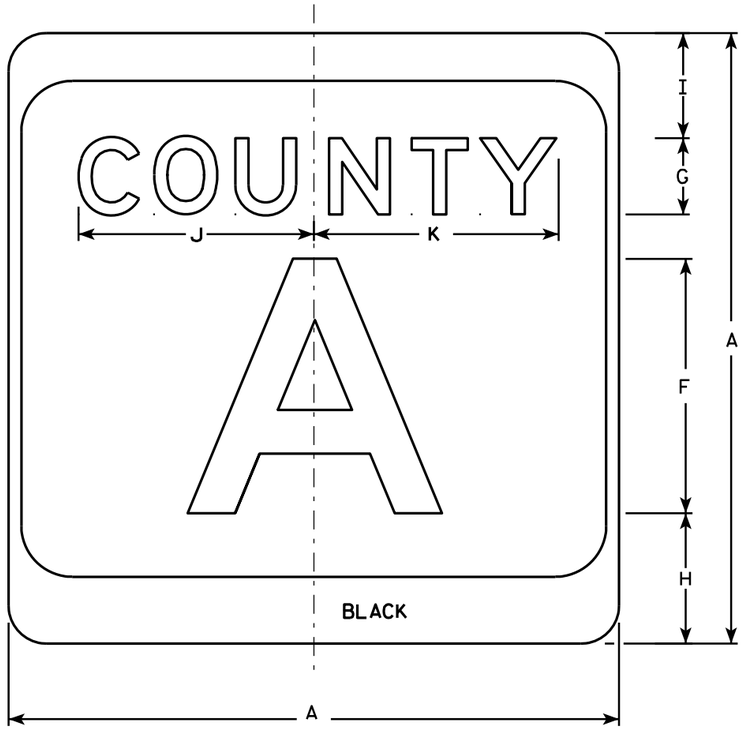
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

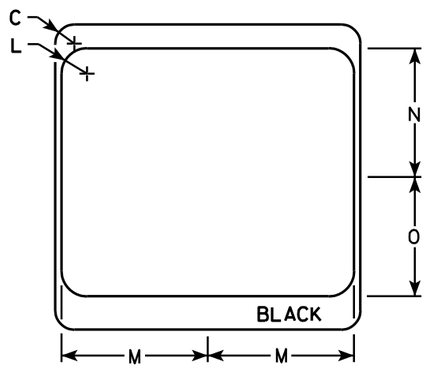
APPROVED Matthew R Rauch
for State Traffic Engineer

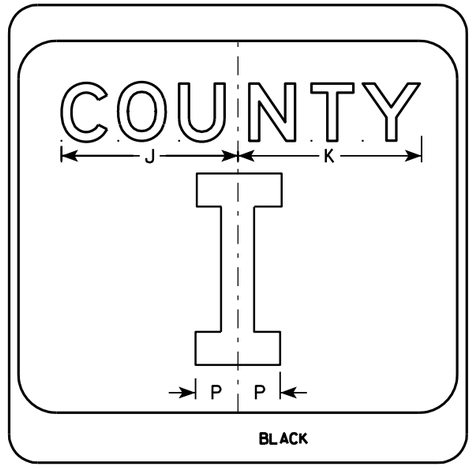
DATE 08/25/05 PLATE NO. M1-4.9

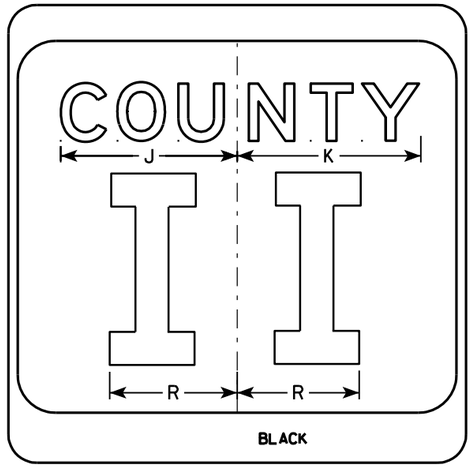
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 306	E



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

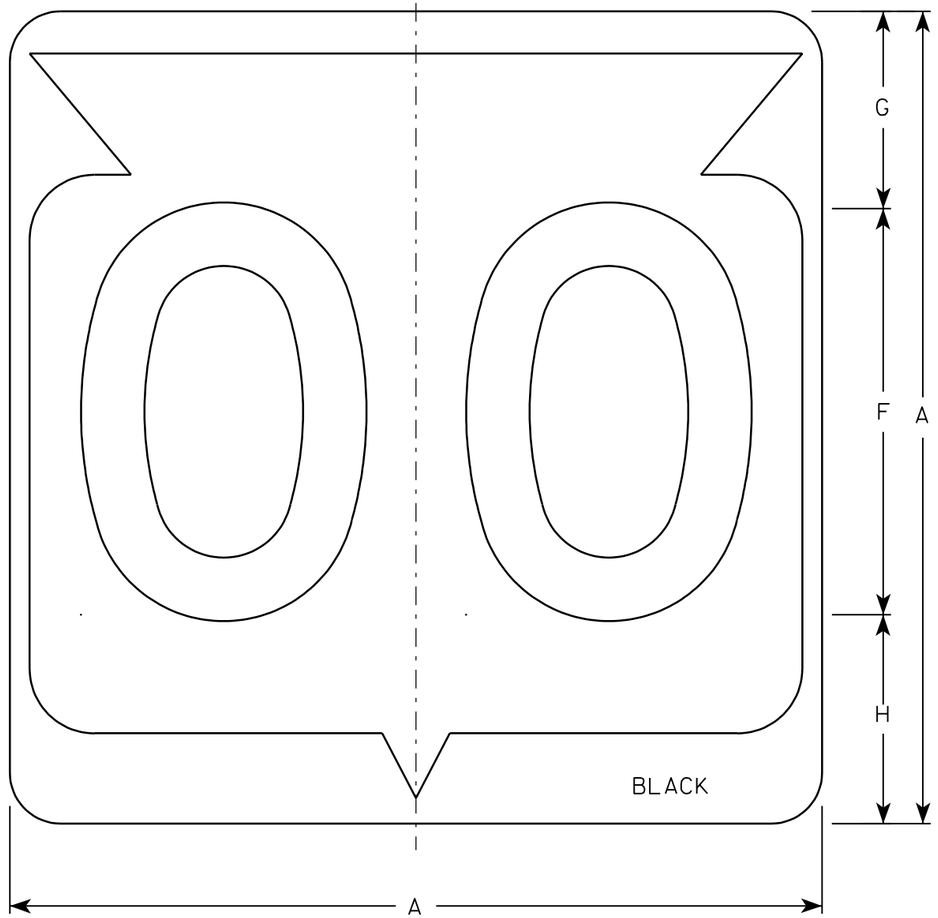
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

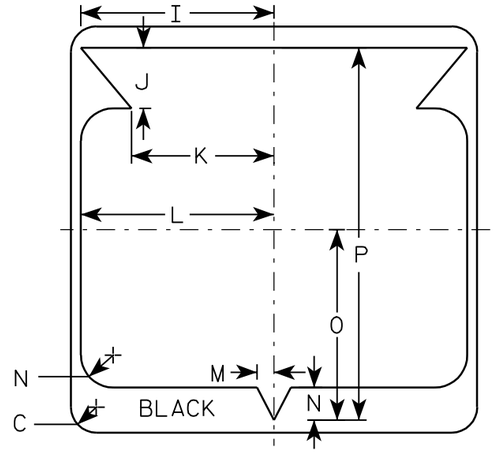
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 307	E



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

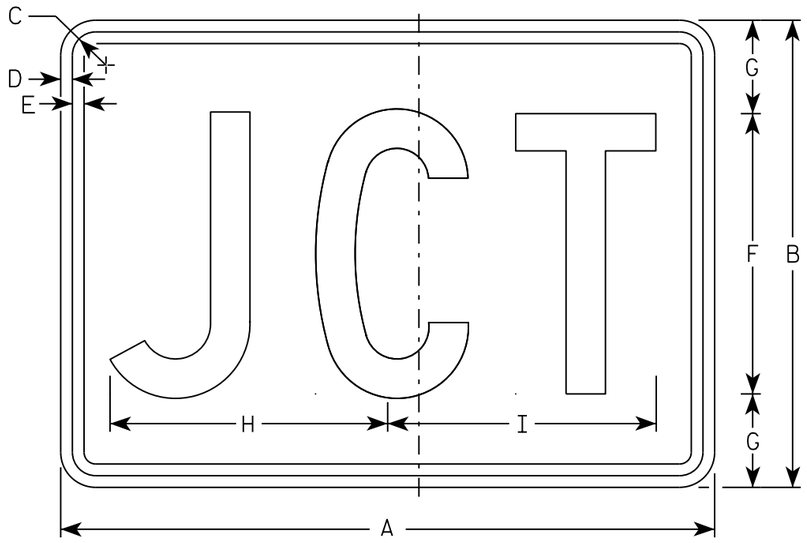
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

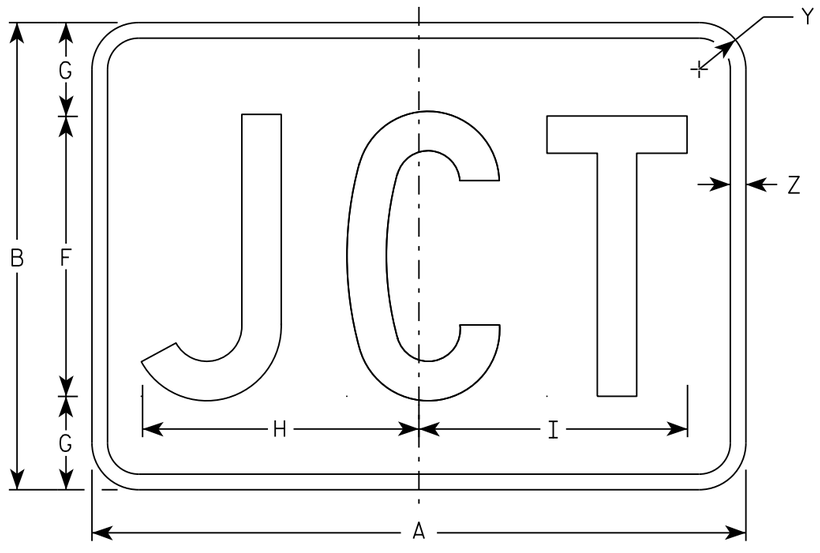
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 308	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

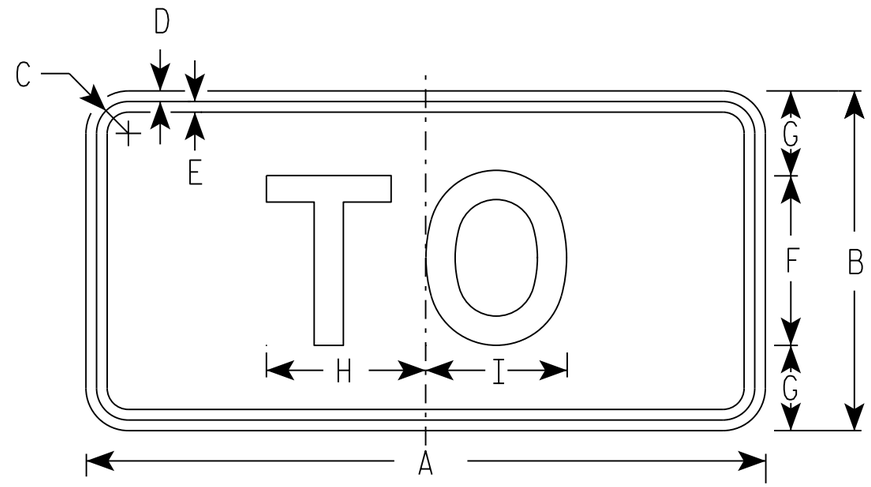
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

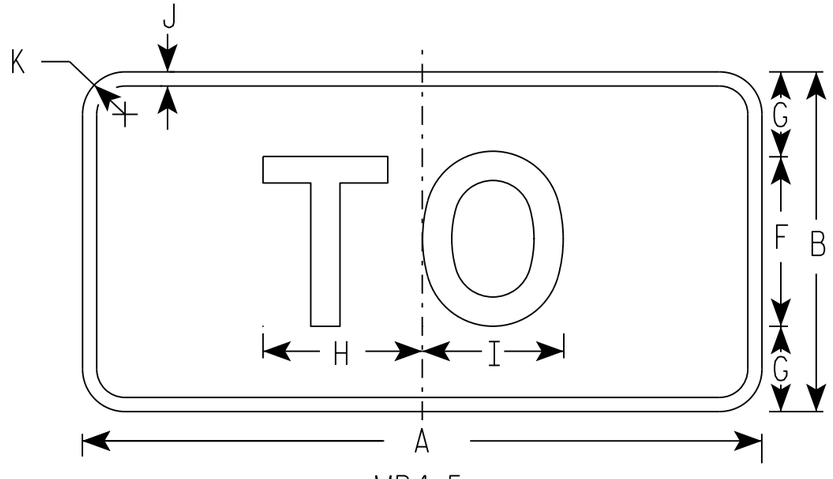
DATE 10/15/15 PLATE 309 12-1.12

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



M4-5
MM4-5
MP4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black
   MB4-5 Background - Blue
   Message - White
   MK4-5 Background - Green
   Message - White
   MM4-5 Background - White
   Message - Green
   MN4-5 Background - Brown
   Message - White
   MP4-5 Background - White
   Message - Blue

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	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-5

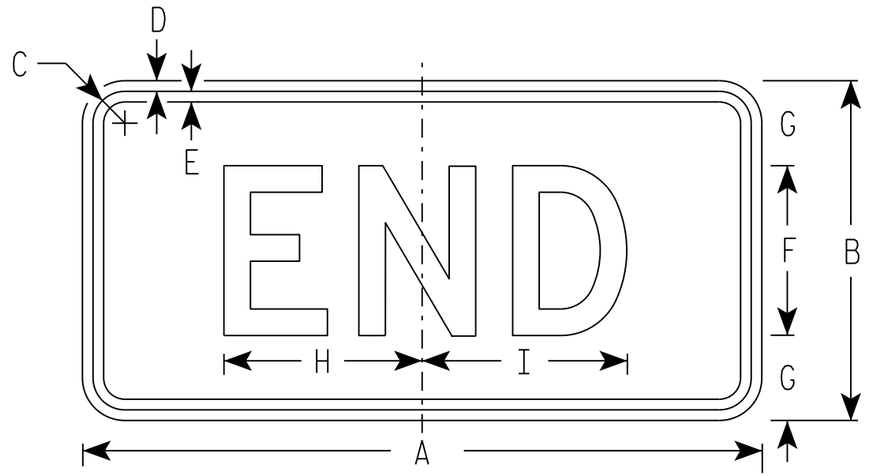
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

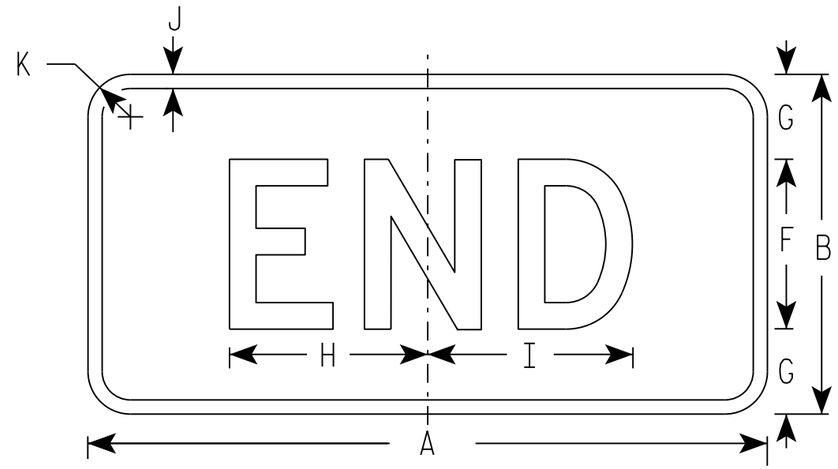
DATE 10/15/15 PLATE 310 M4-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M45.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 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	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

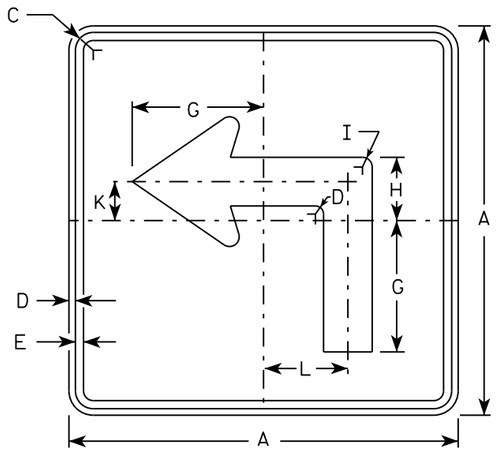
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

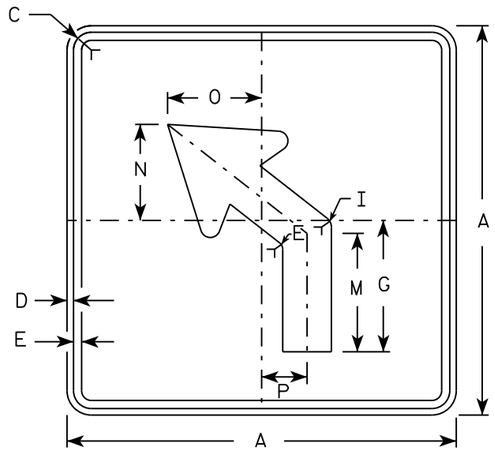
DATE 10/15/15 PLATE 311 '14-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

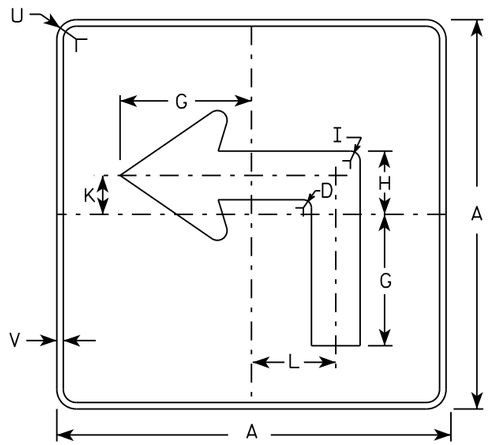
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



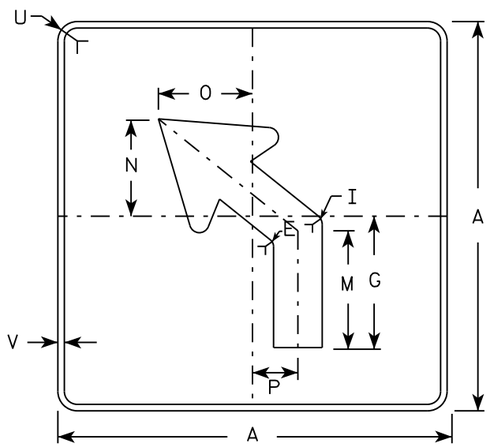
M5-1L
MM5-1L
MO5-1L
MP5-1L



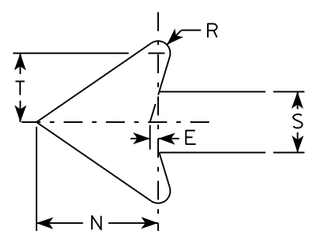
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

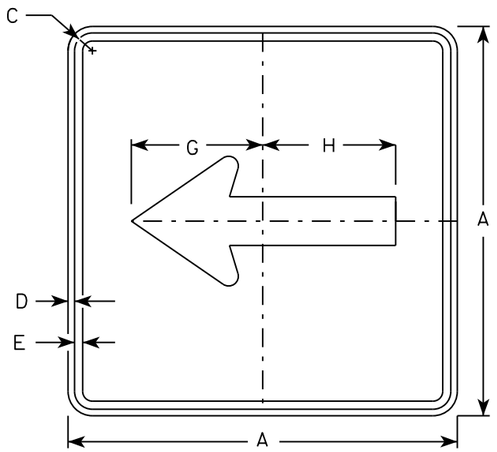
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

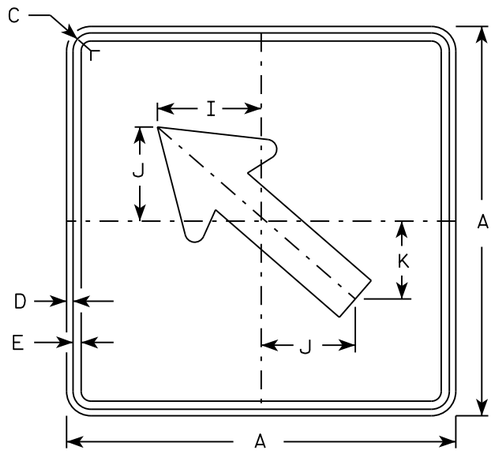
DATE 10/15/15 PLATE NO. M5-1.13

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



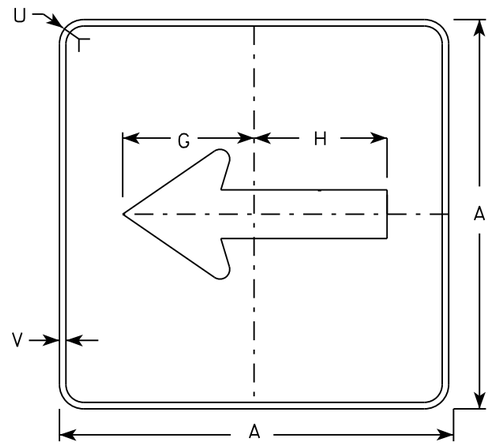
M6-1
MM6-1
MO6-1
MP6-1



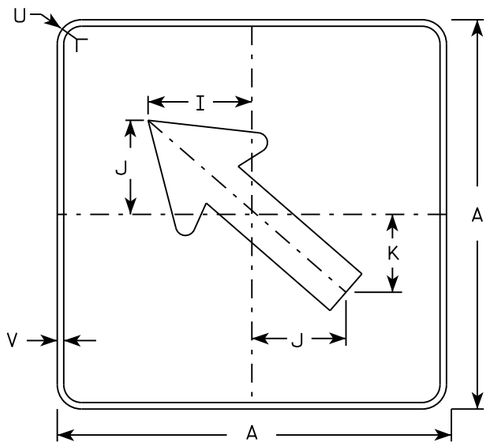
M6-2
MM6-2
MO6-2
MP6-2

NOTES

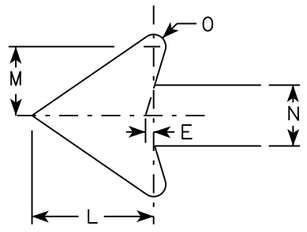
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

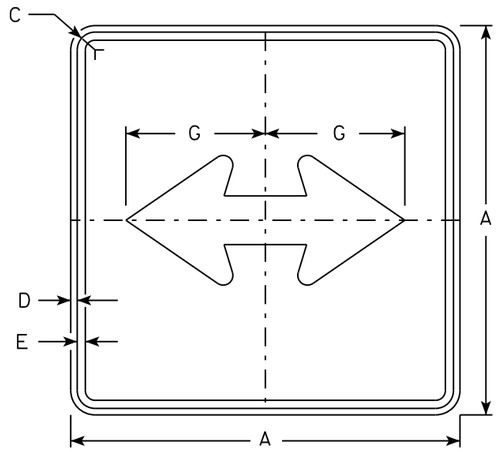
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

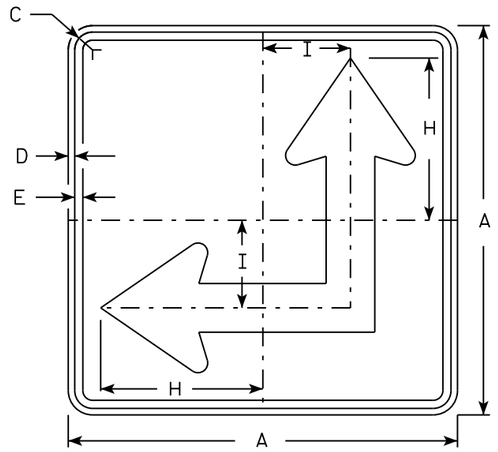
DATE 10/15/15 PLATE 313 M6-1.15

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



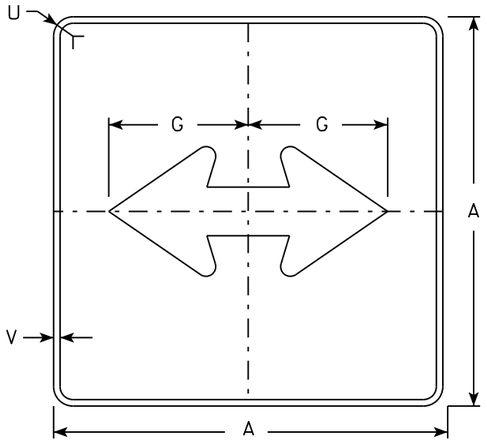
M6-4
MM6-4
MO6-4
MP6-4



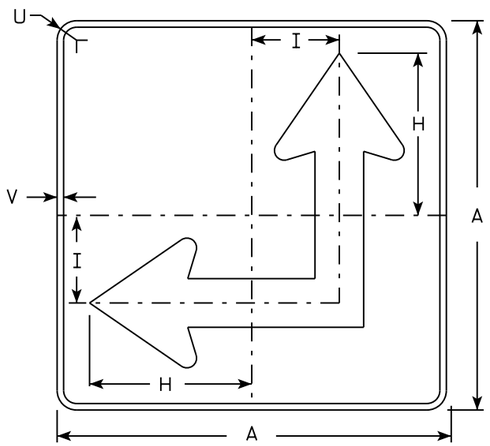
M6-6
MM6-6
MO6-6
MP6-6

NOTES

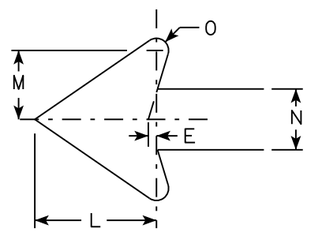
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - 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

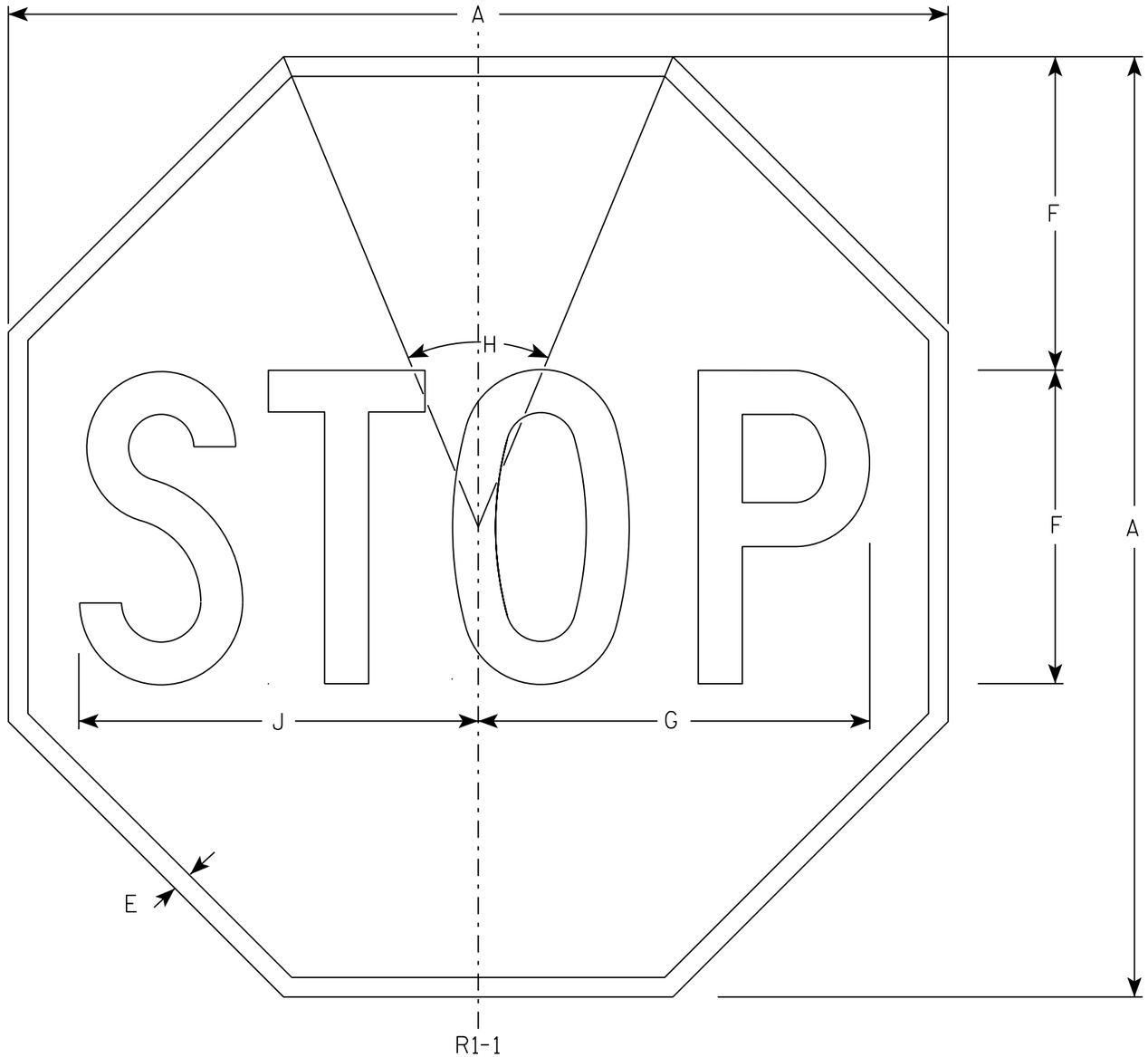
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 314 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



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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

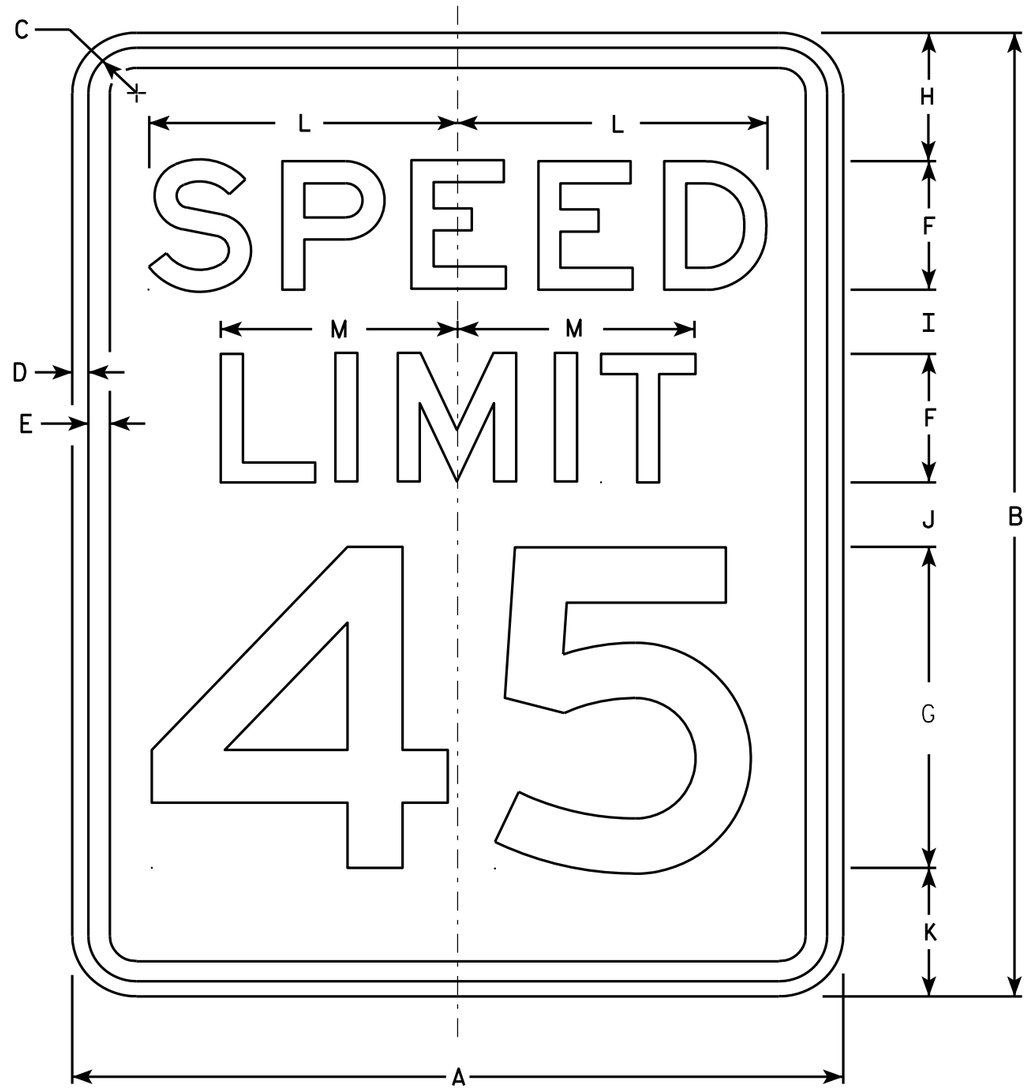
WISCONSIN DEPT OF TRANSPORTATION

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

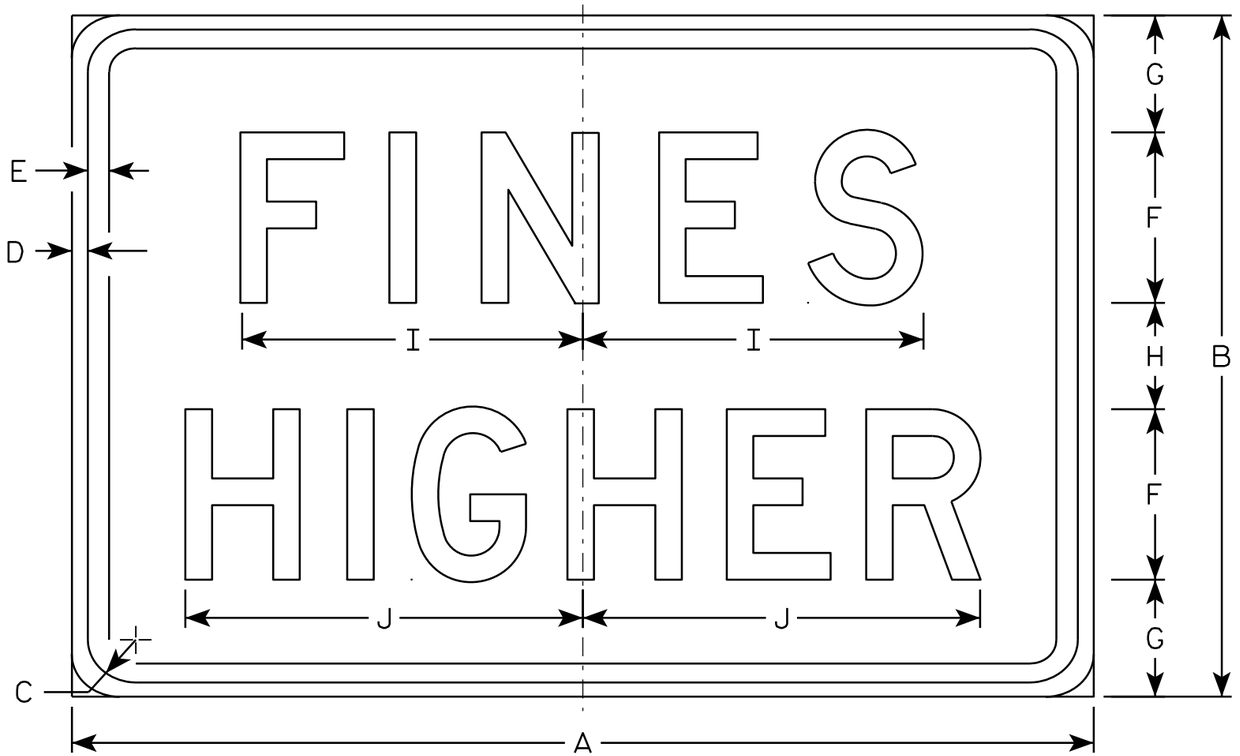
STANDARD SIGN
R2-1

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: 316 | E



R2-6P

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.

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	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 317 | E

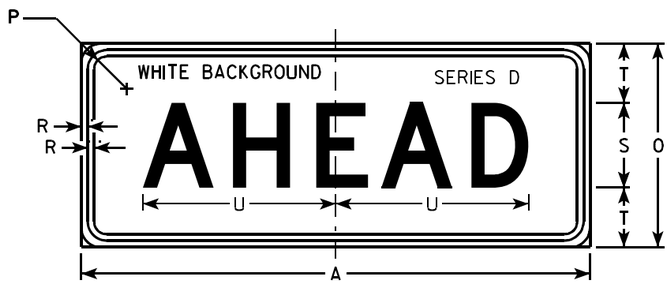
7



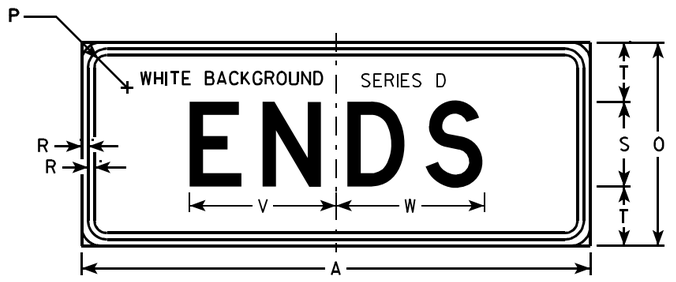
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
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.



R3-17ap



R3-17bp

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	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

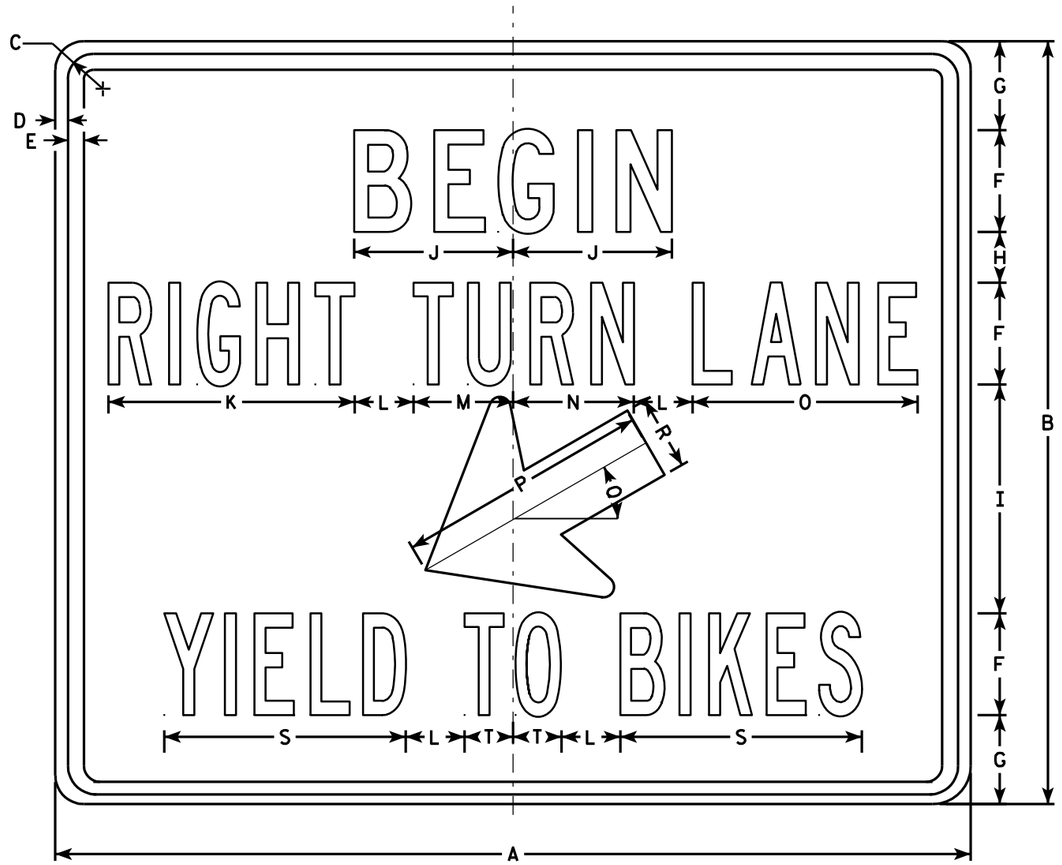
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

SHEET NO: 318 E



R4-4

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 - 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 C
   Lines 2 & 3 are Series B

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	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

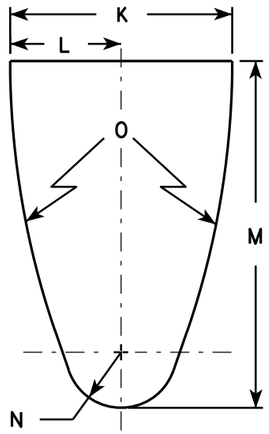
STANDARD SIGN
R4-4

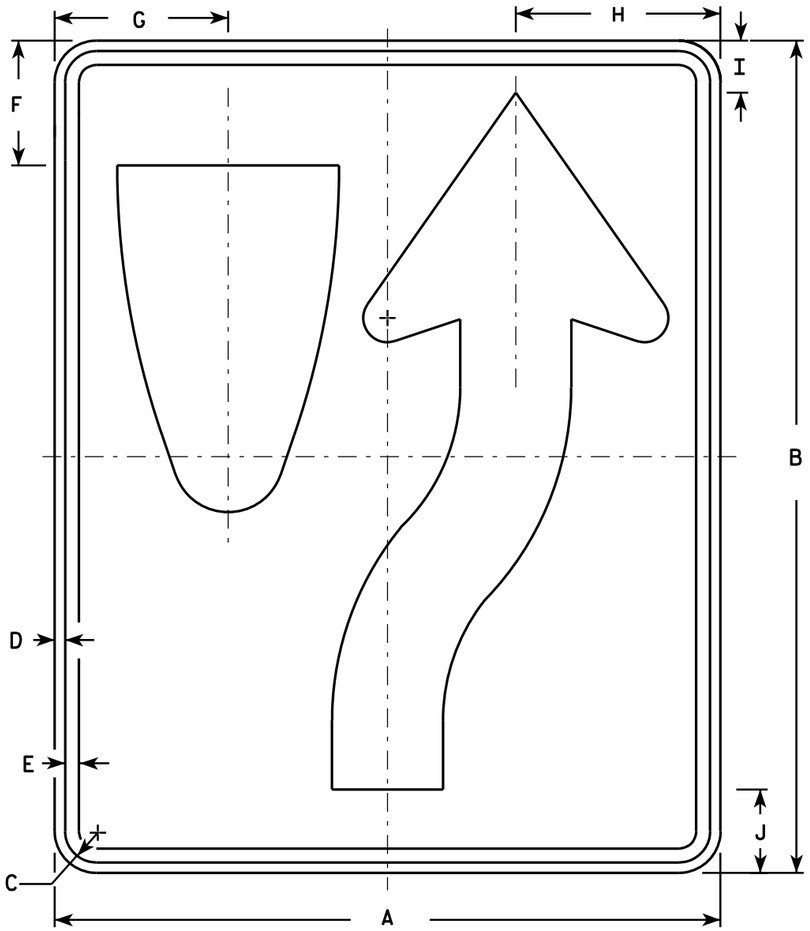
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 319 | E

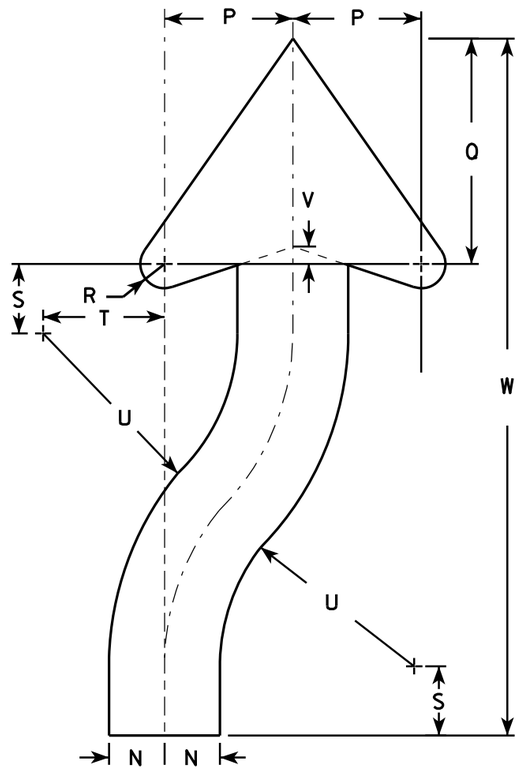




R4-7

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

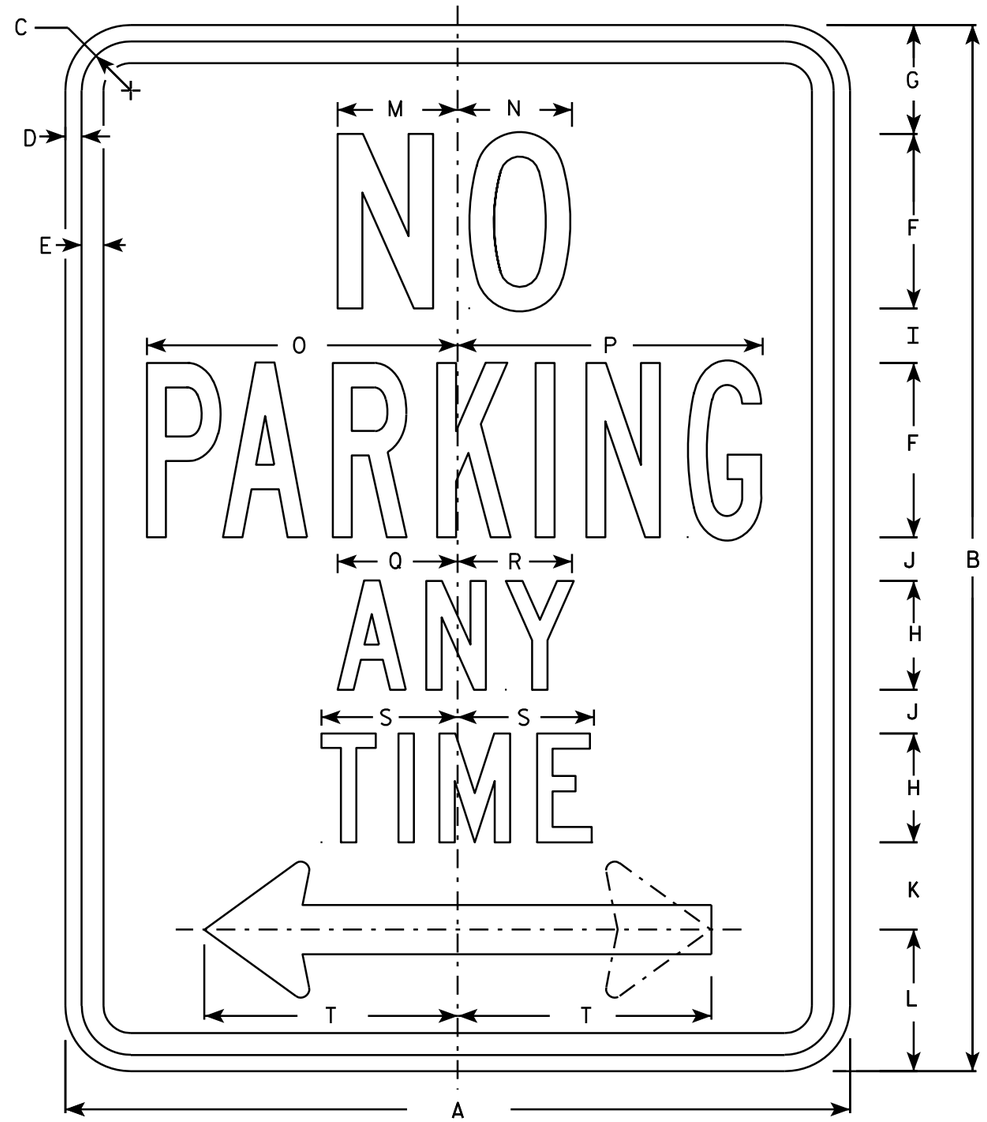
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

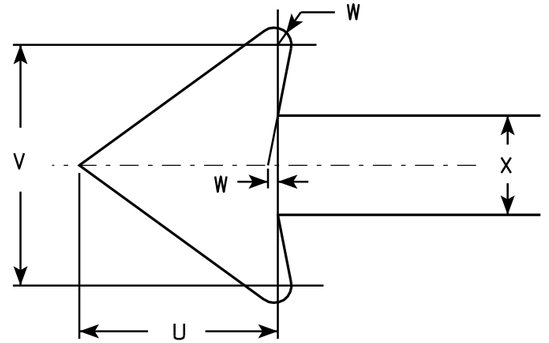
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E



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

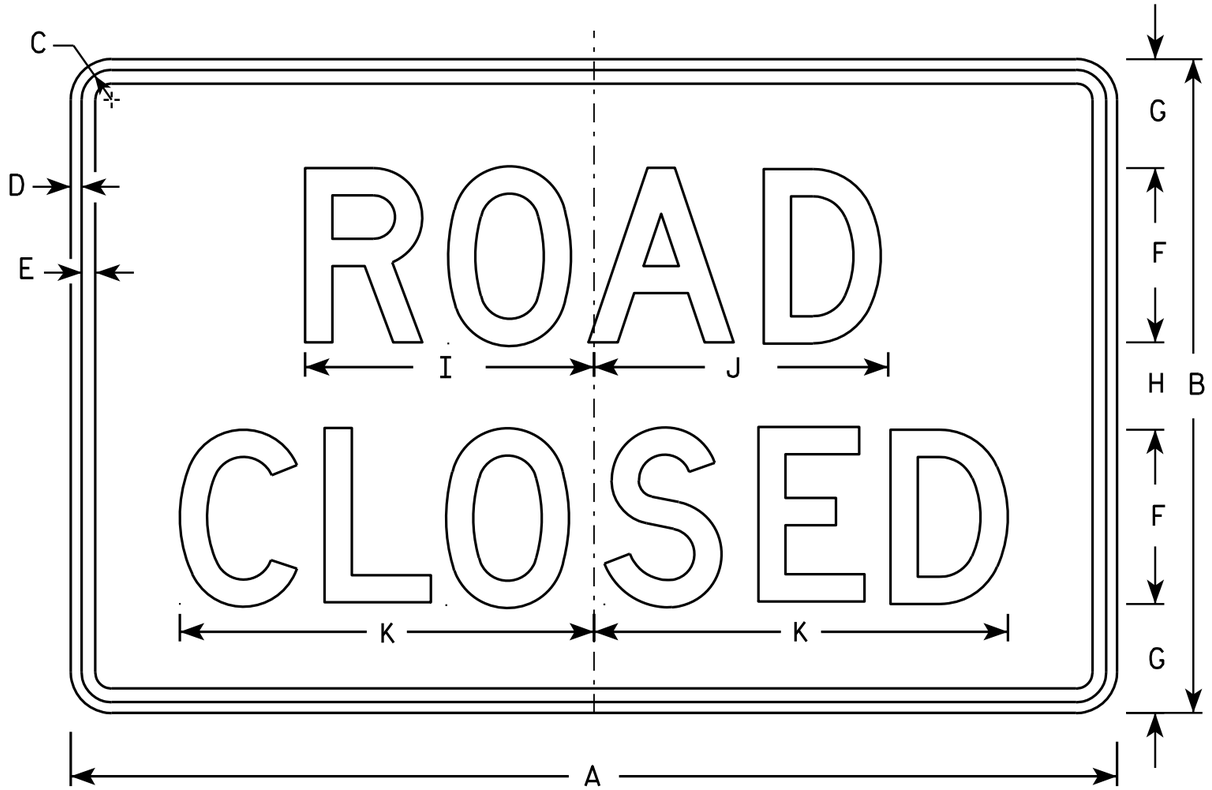
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | 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

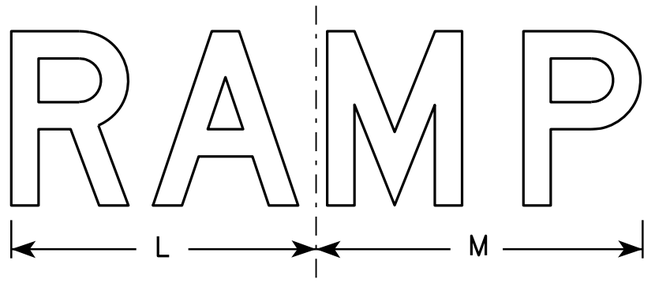
WISDOT/CADDS SHEET 42



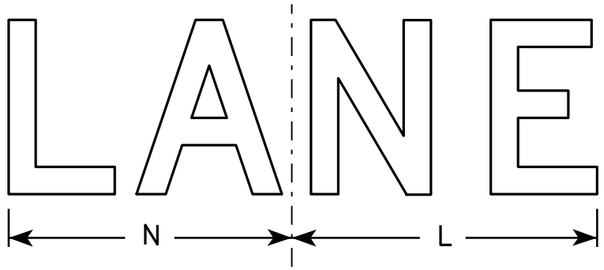
R11-2

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 - 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. Modify the message as required.



R11-2R



R11-2L

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	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

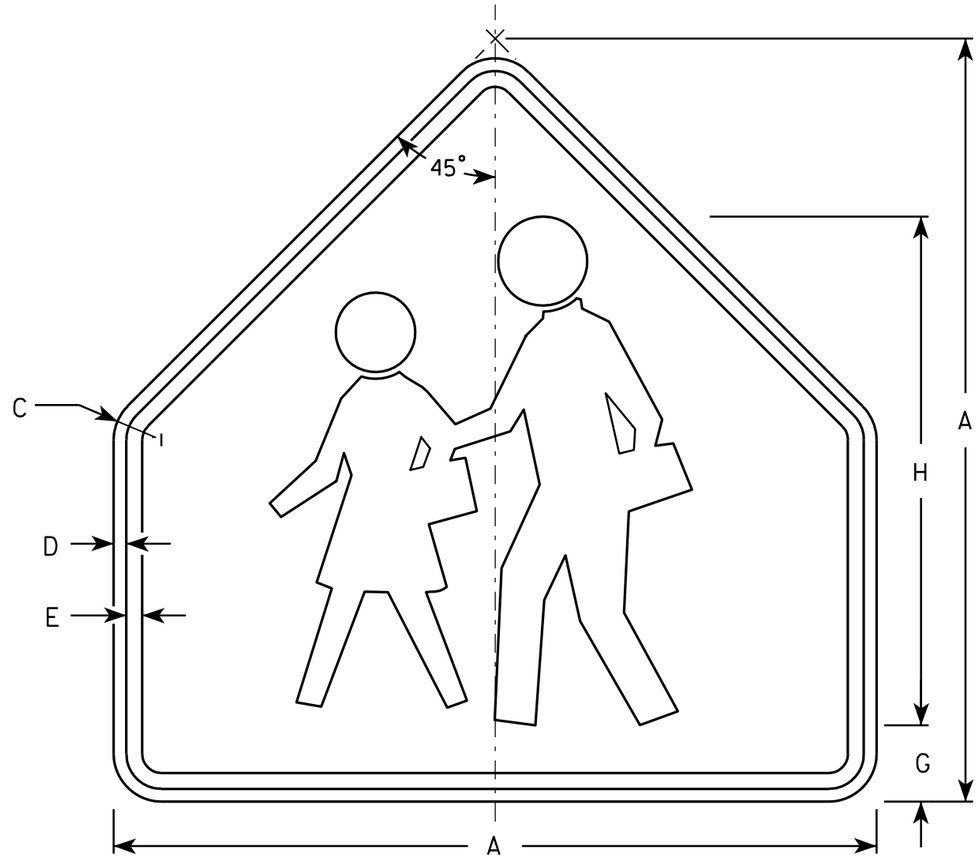
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 322 | E



S1-1

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-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

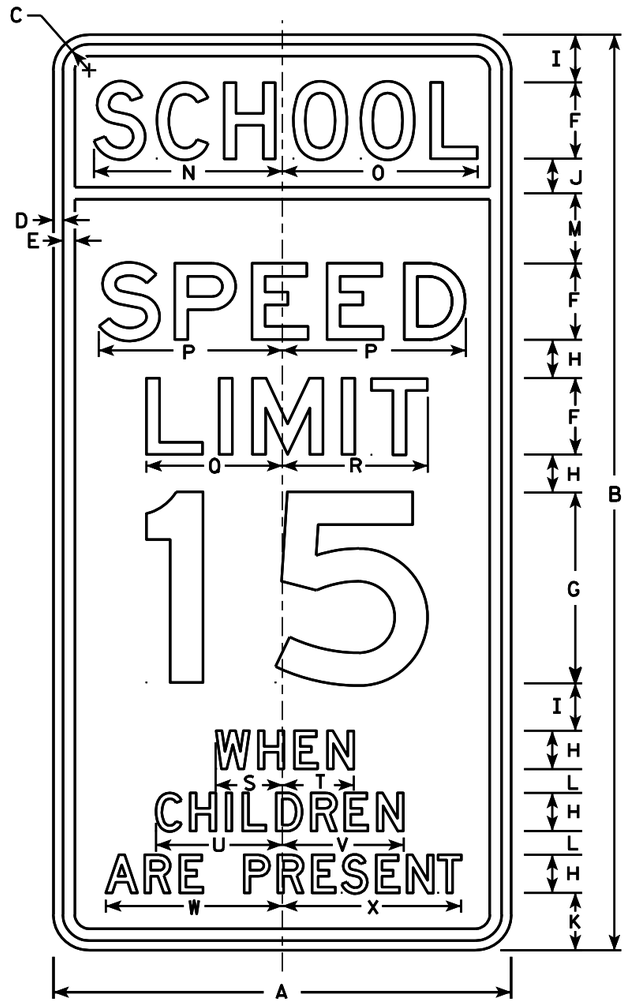
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   Message - Black
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. Top panel (SCHOOL) background - Yellow Green -Type F Reflective.
   Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
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.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

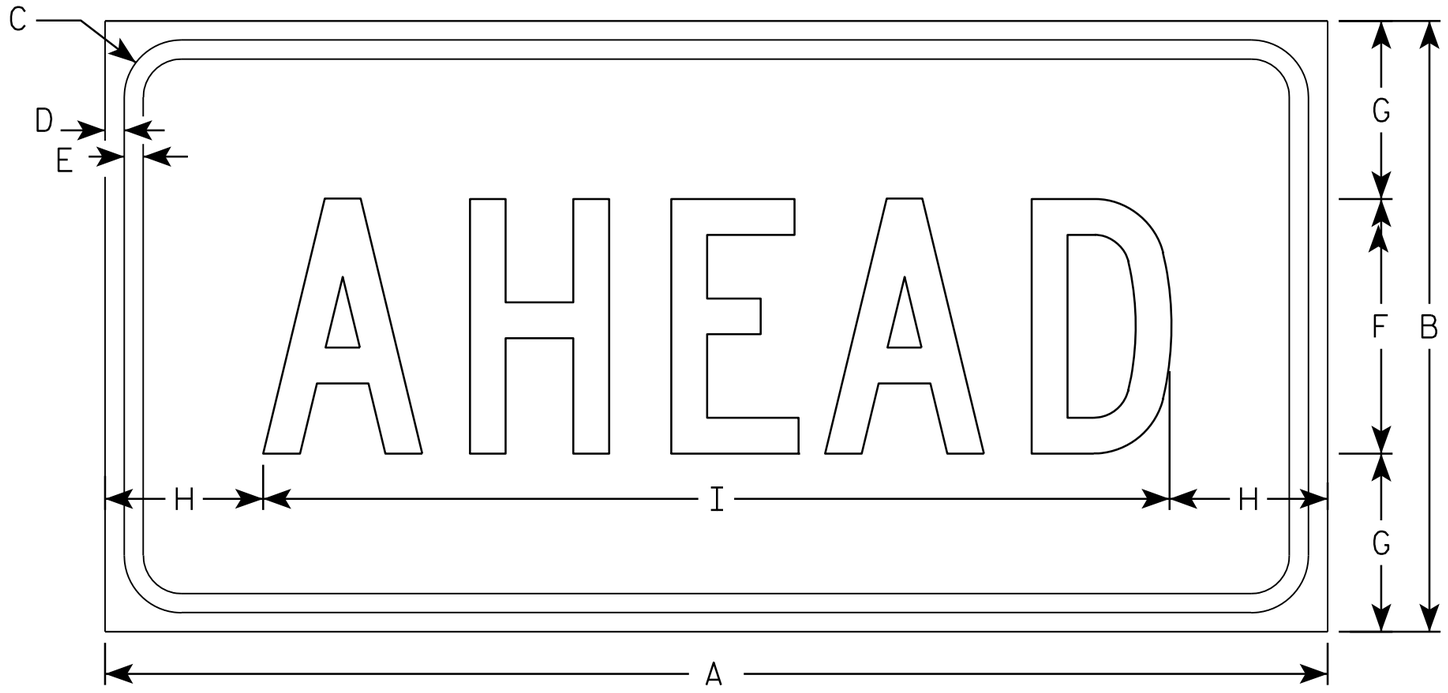
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 324	E



S16-9P

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-Green
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

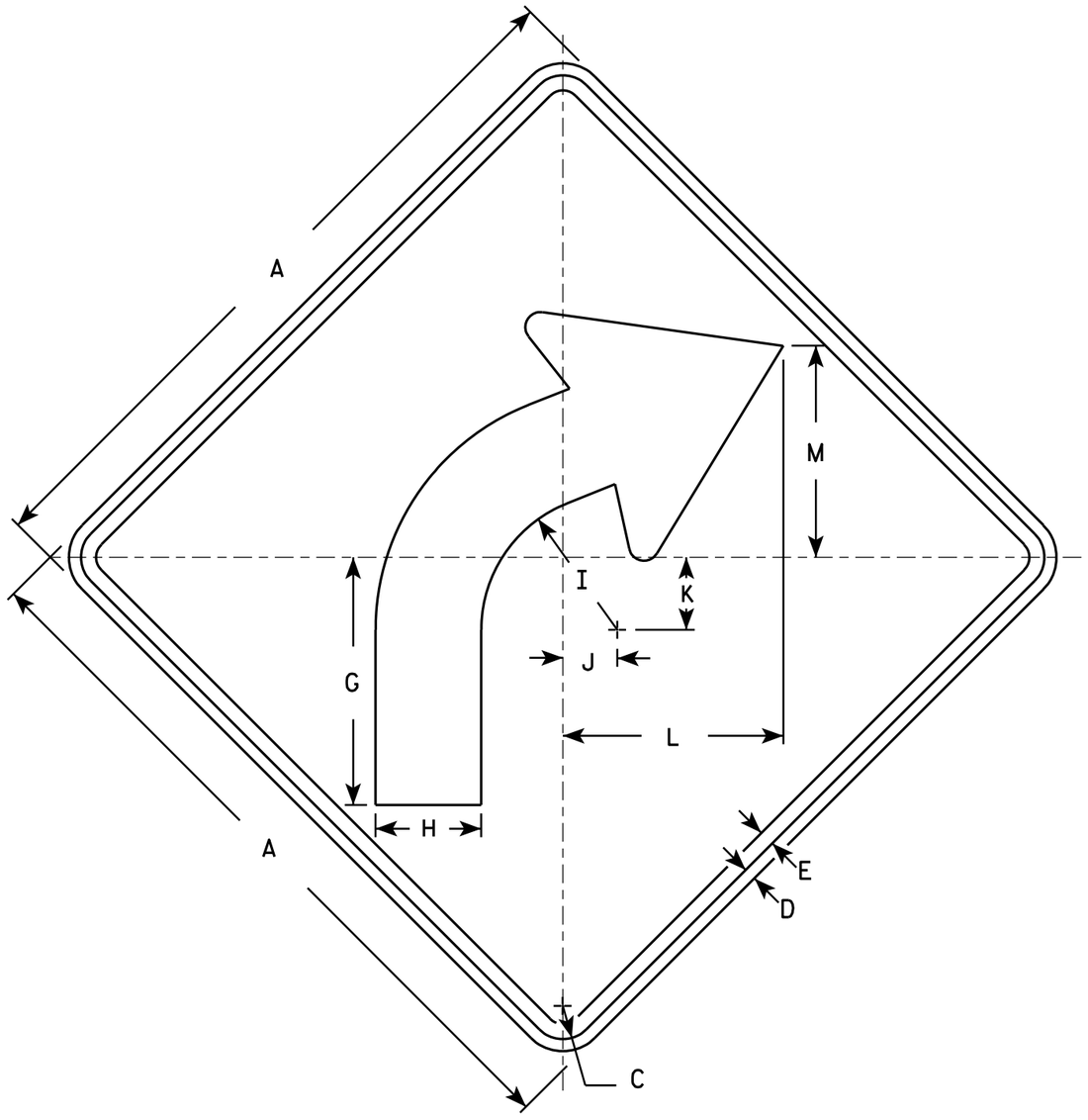
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

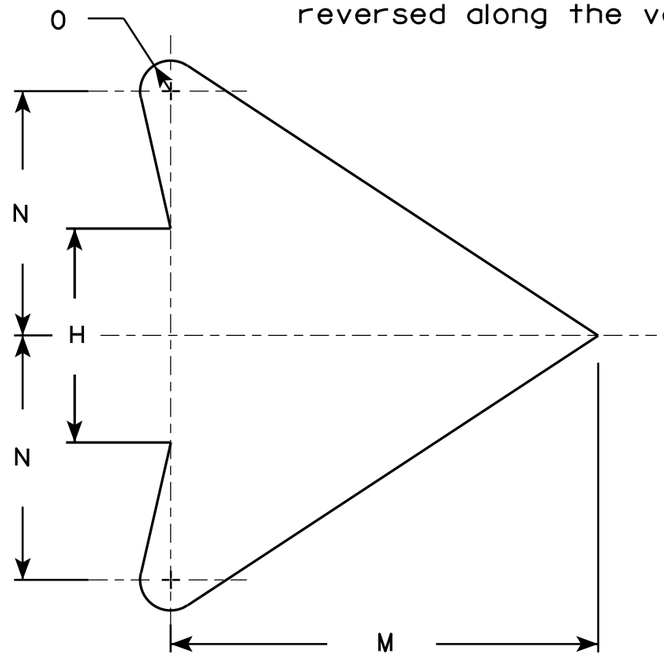
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 325 | E

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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



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		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

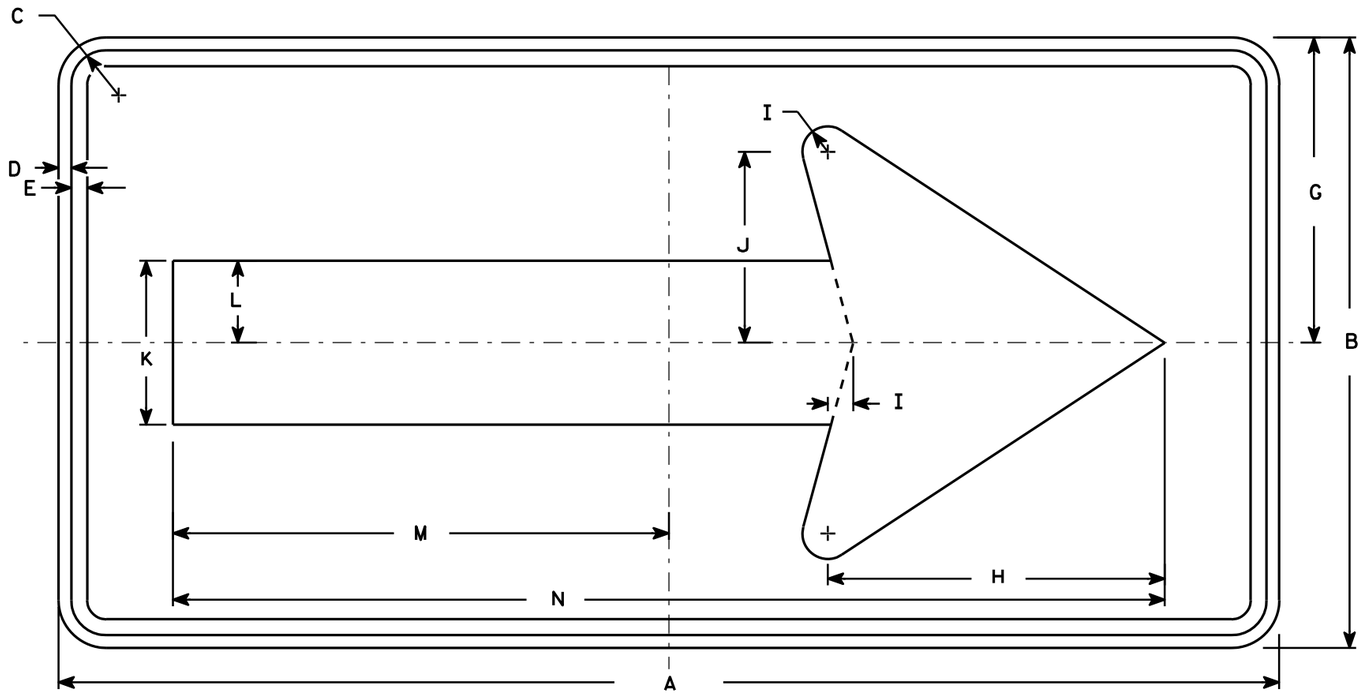
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 326	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.



W1-6

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	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

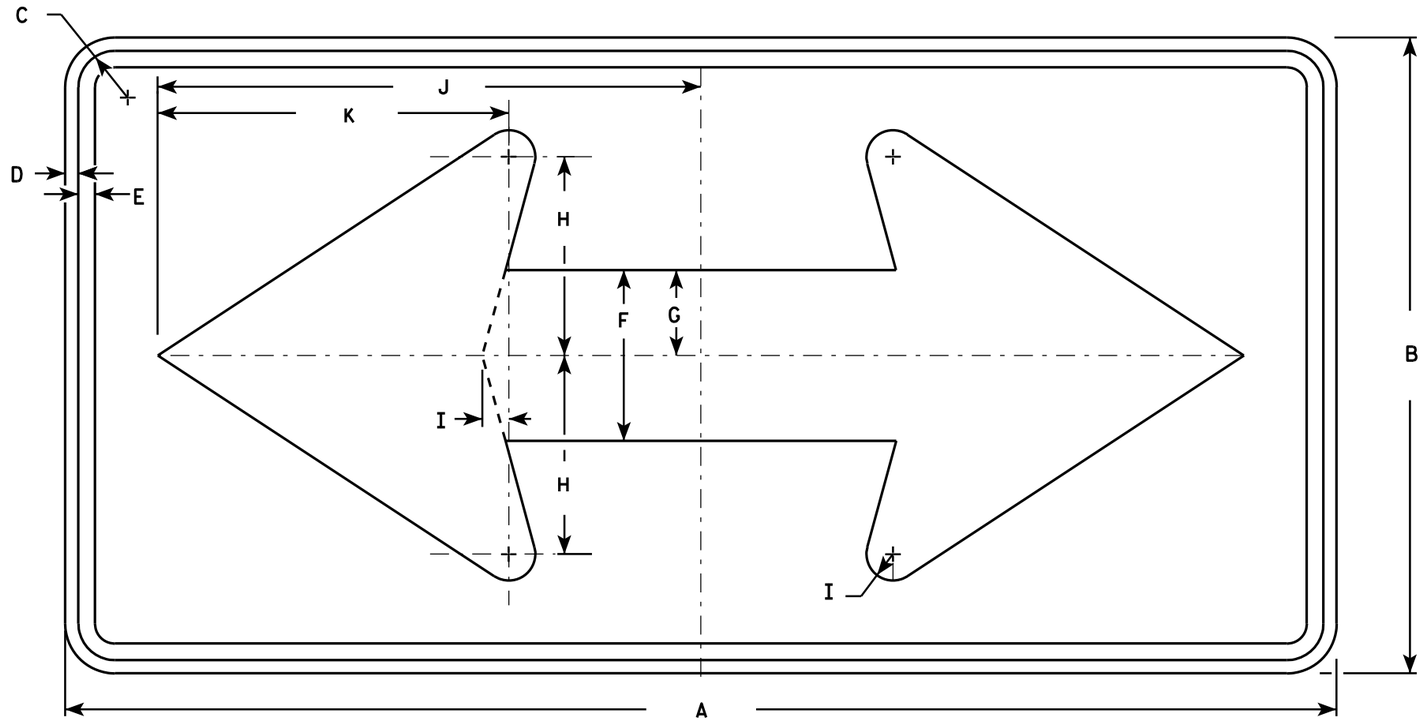
STANDARD SIGN
W1-6

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: 327



W1-7

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	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

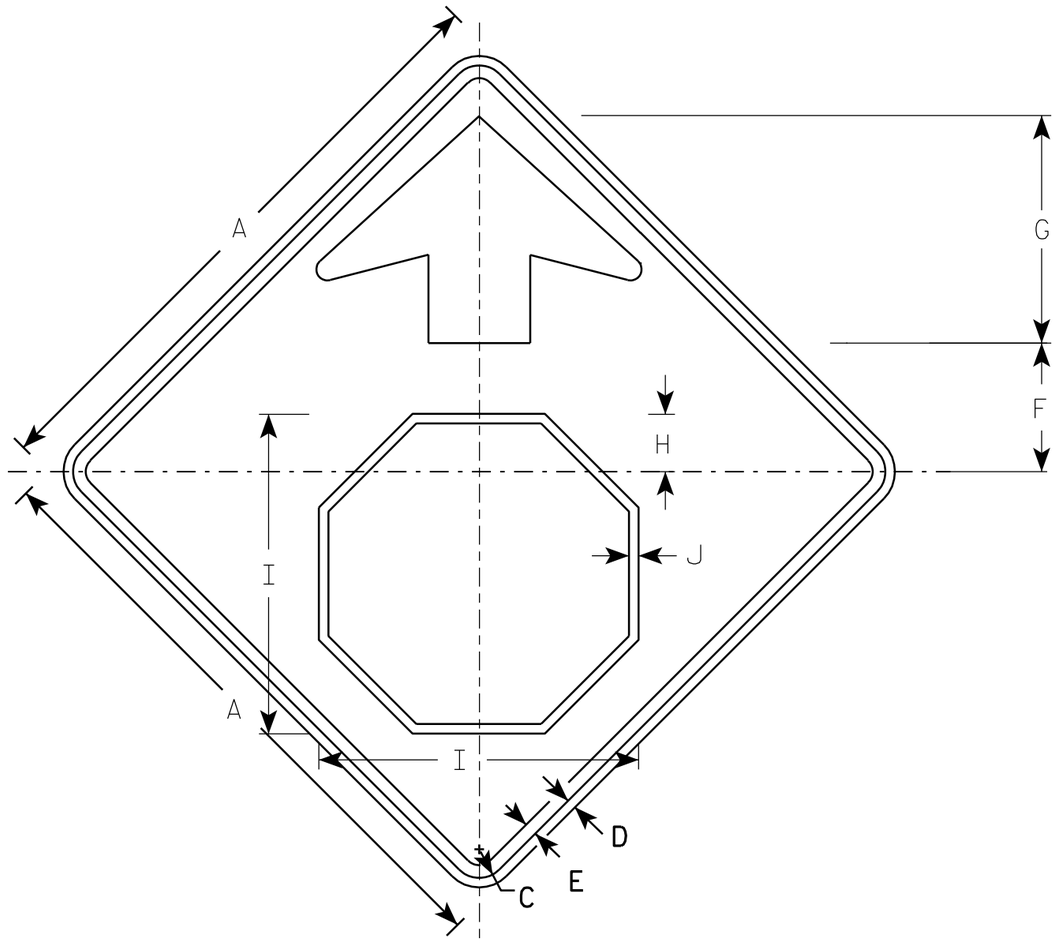
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

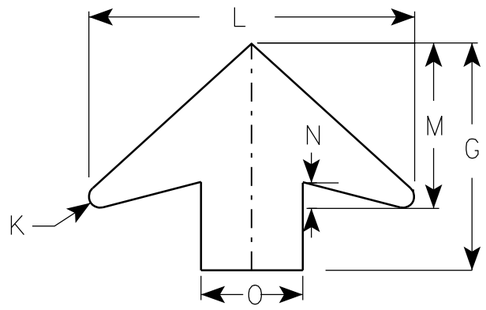
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 328 | E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED 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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

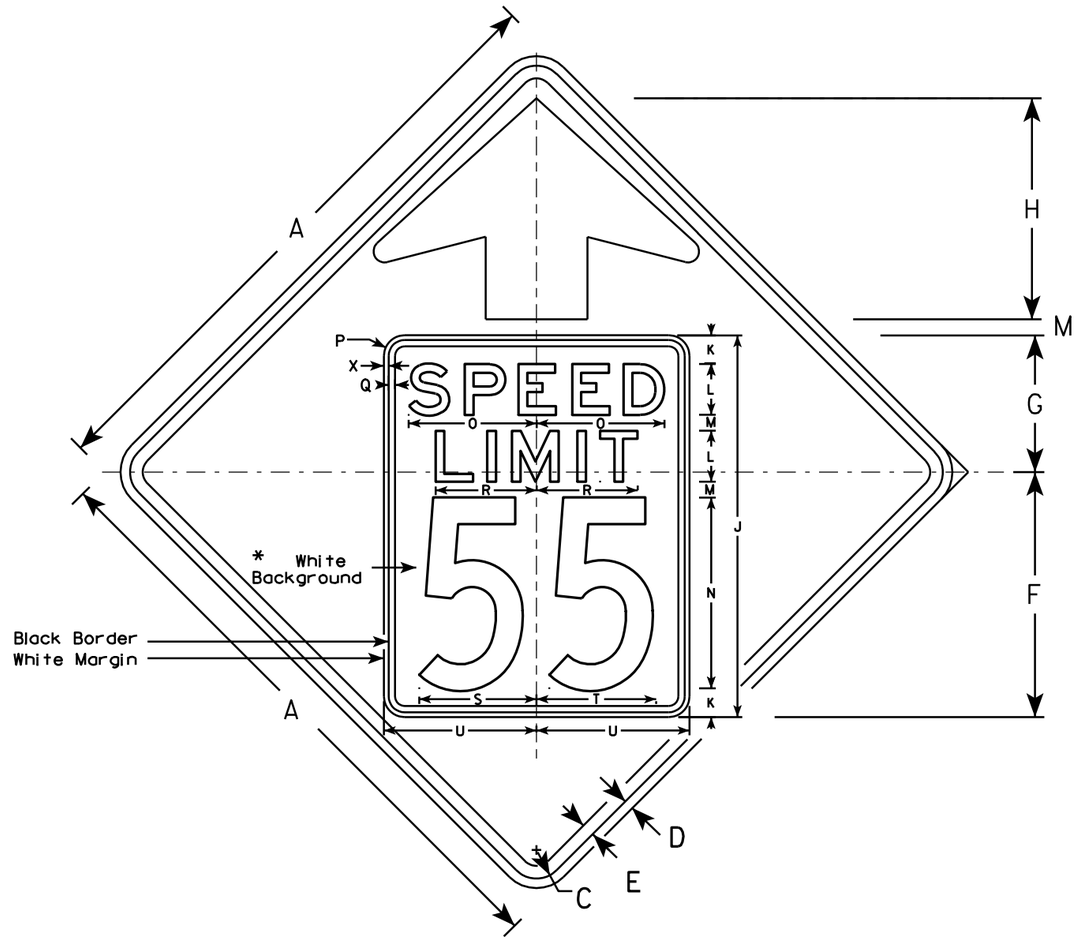
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 329 E

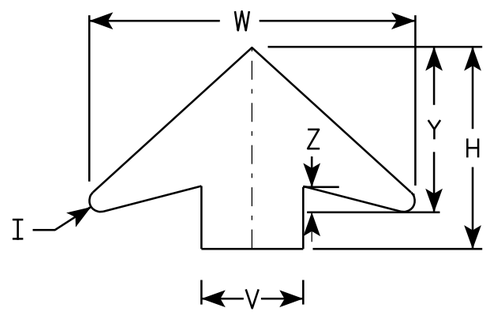


W3-5

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

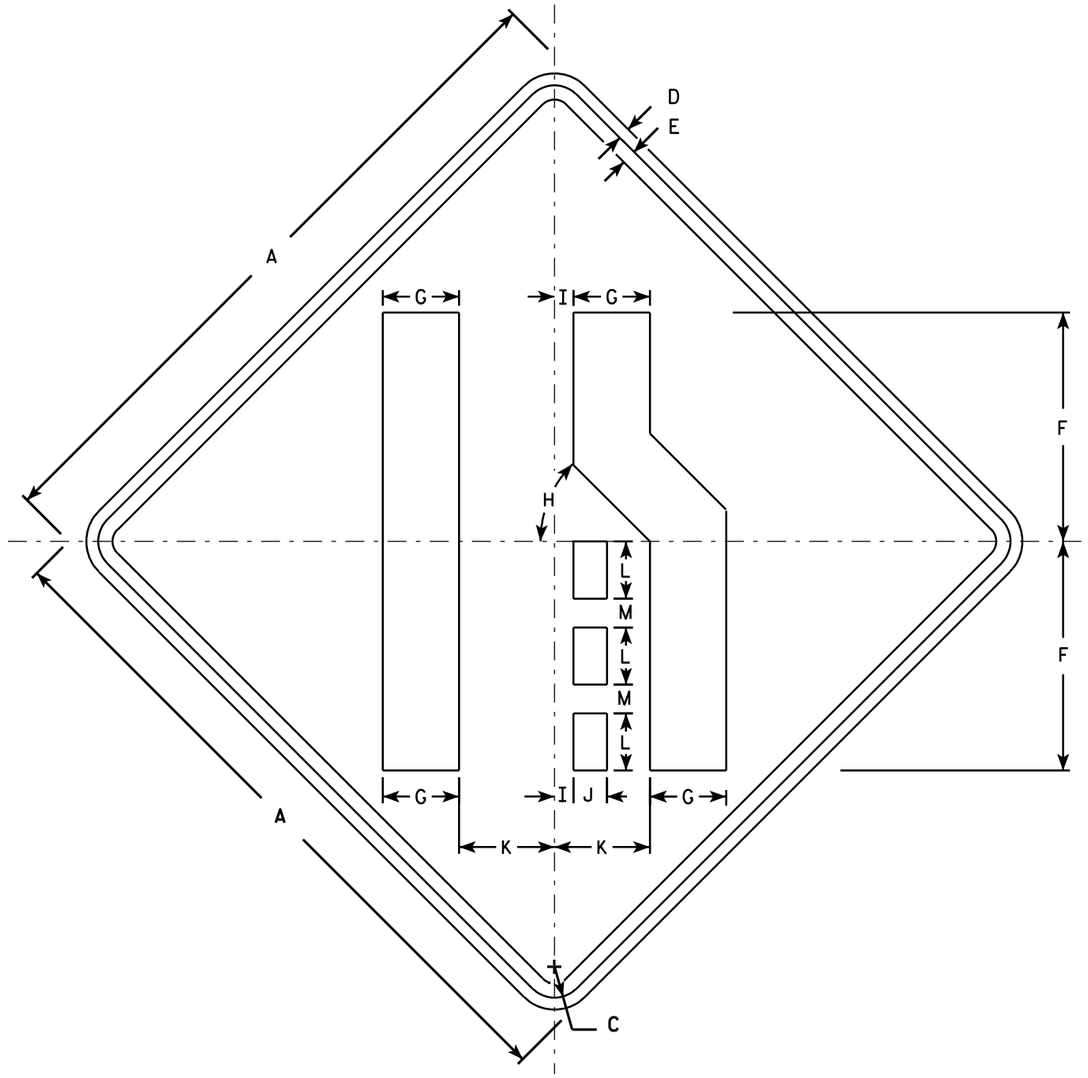
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 330 E



W4-2R

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. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

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	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

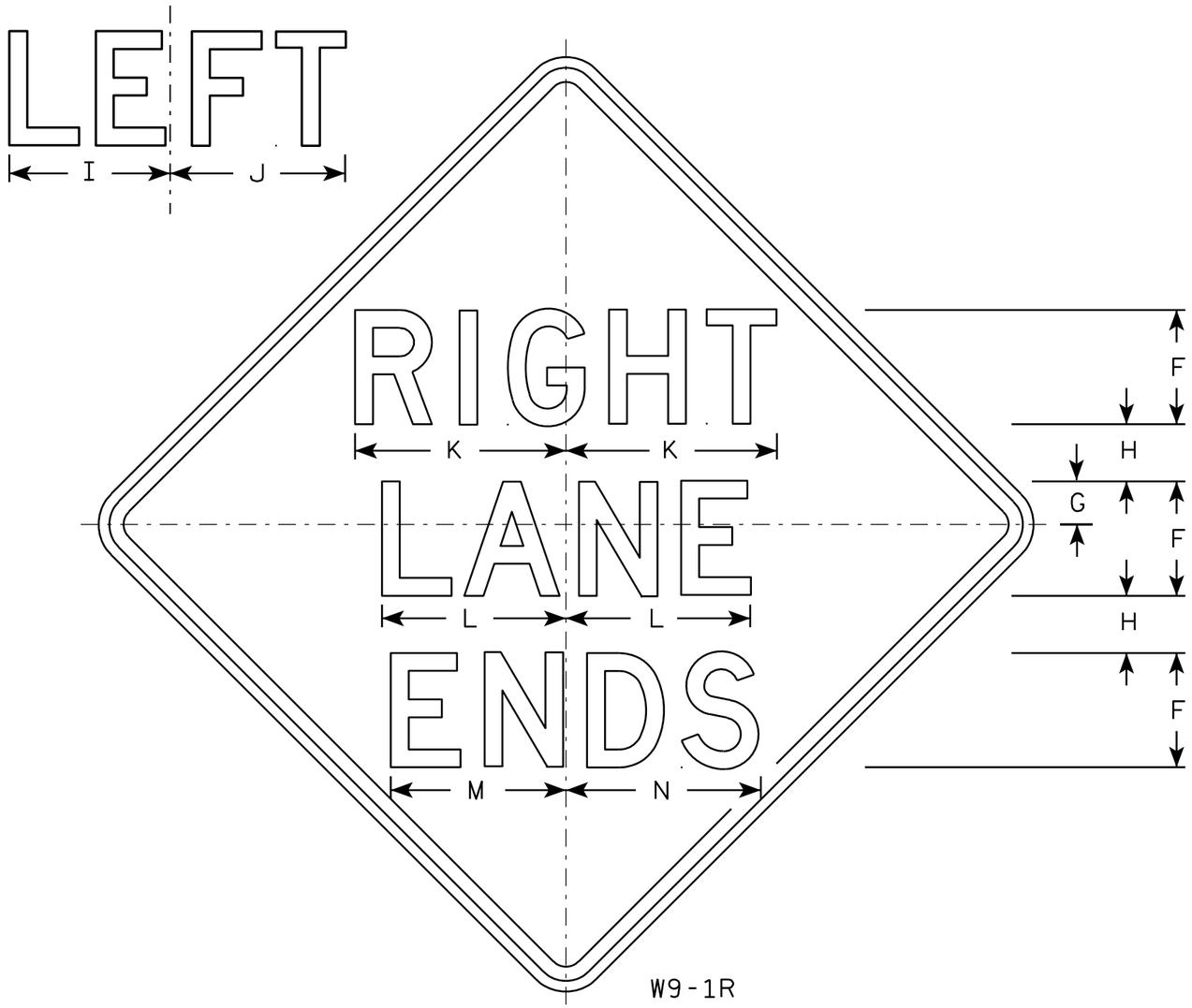
STANDARD SIGN
W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO: | SHEET NO: 331 | E



W9-1R

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 - 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. W9-1L same as W9-1R except the word Left replaces 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	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

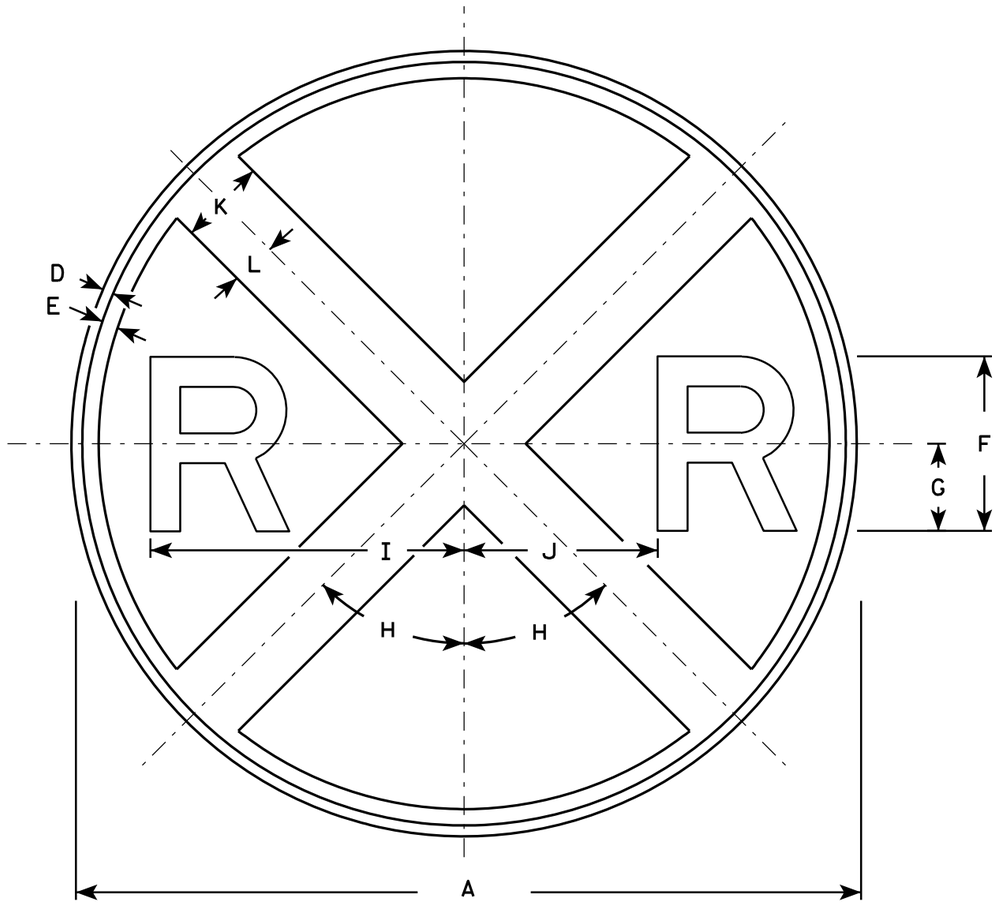
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/18/13 PLATE NO. W9-1.8

PROJECT NO:

SHEET NO: 332 E



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																											

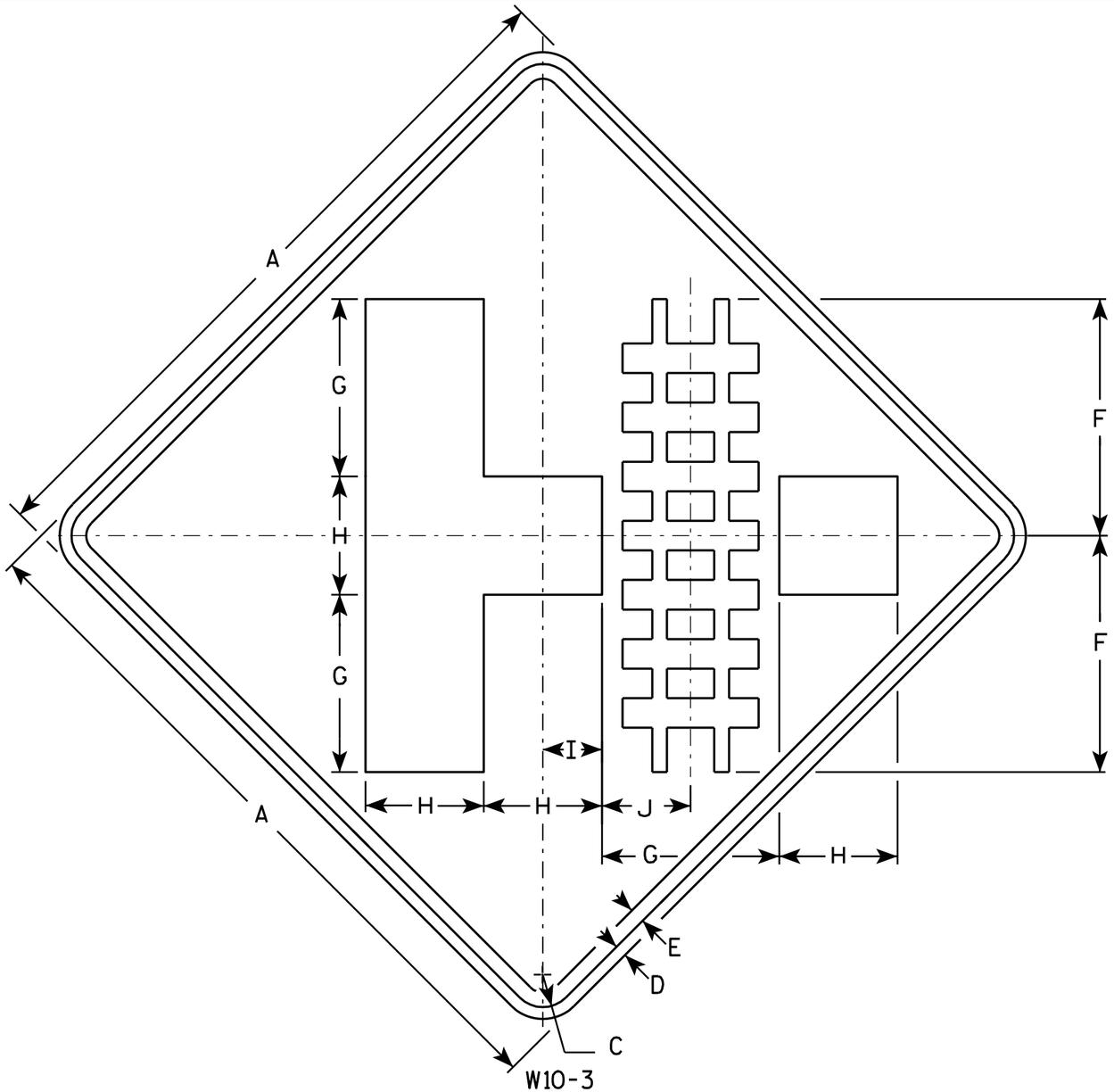
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

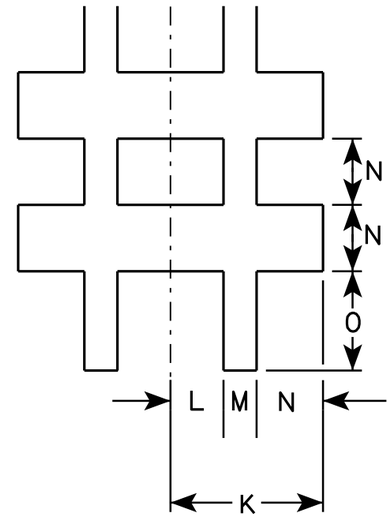
DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 333	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.



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	10	7 1/2	5	2 1/2	3 3/4	2 7/8	1	5/8	1 1/4	1 7/8												6.25
2S	36		1 5/8	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
2M	36		1 5/8	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
3	36		1 5/8	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
4	48		2 1/4	3/4	1	16	12	8	4	6	4 1/2	1 1/2	1	2	3												16.0
5																											

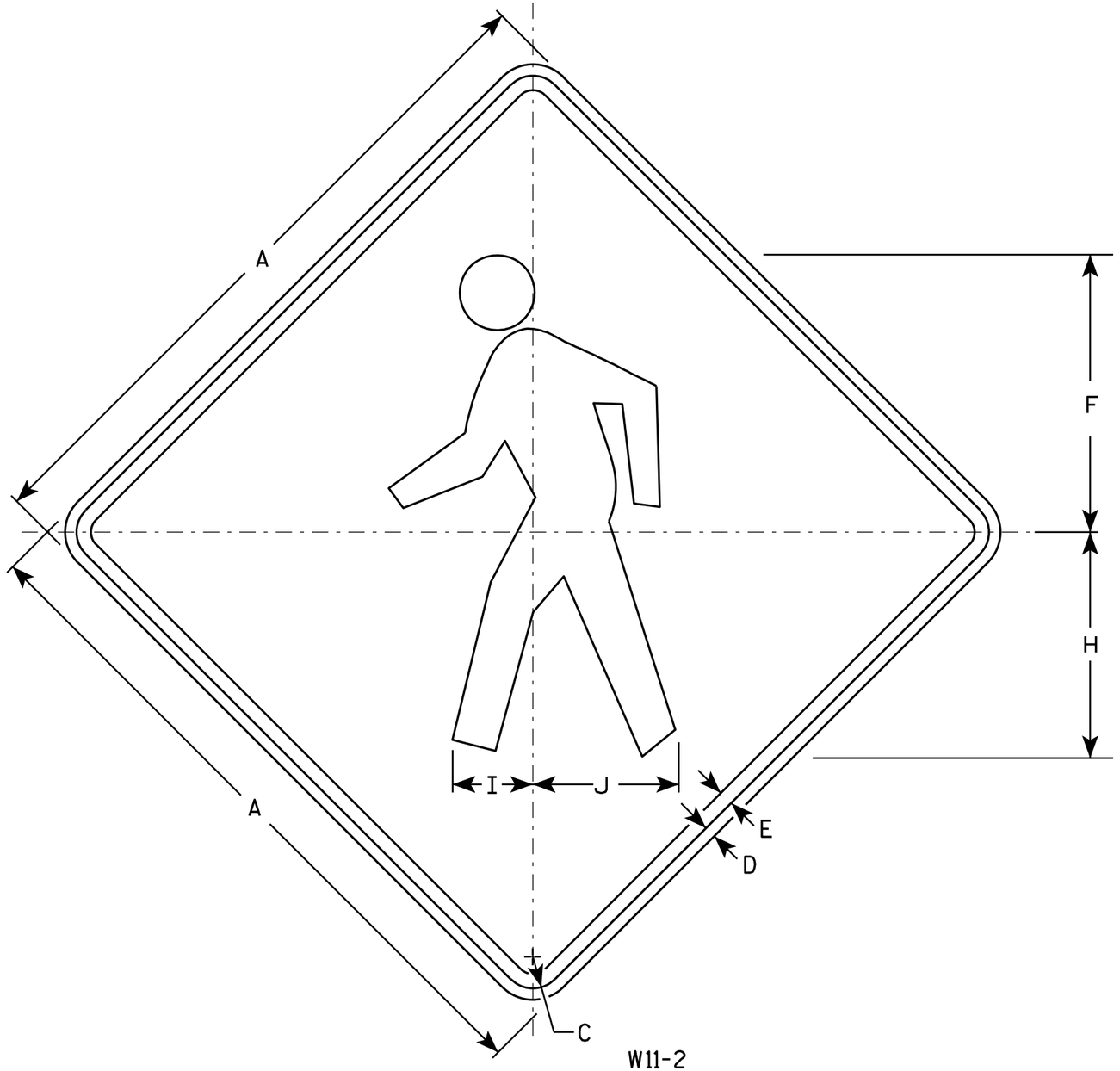
STANDARD SIGN
W10-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 334 | E



W11-2

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	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

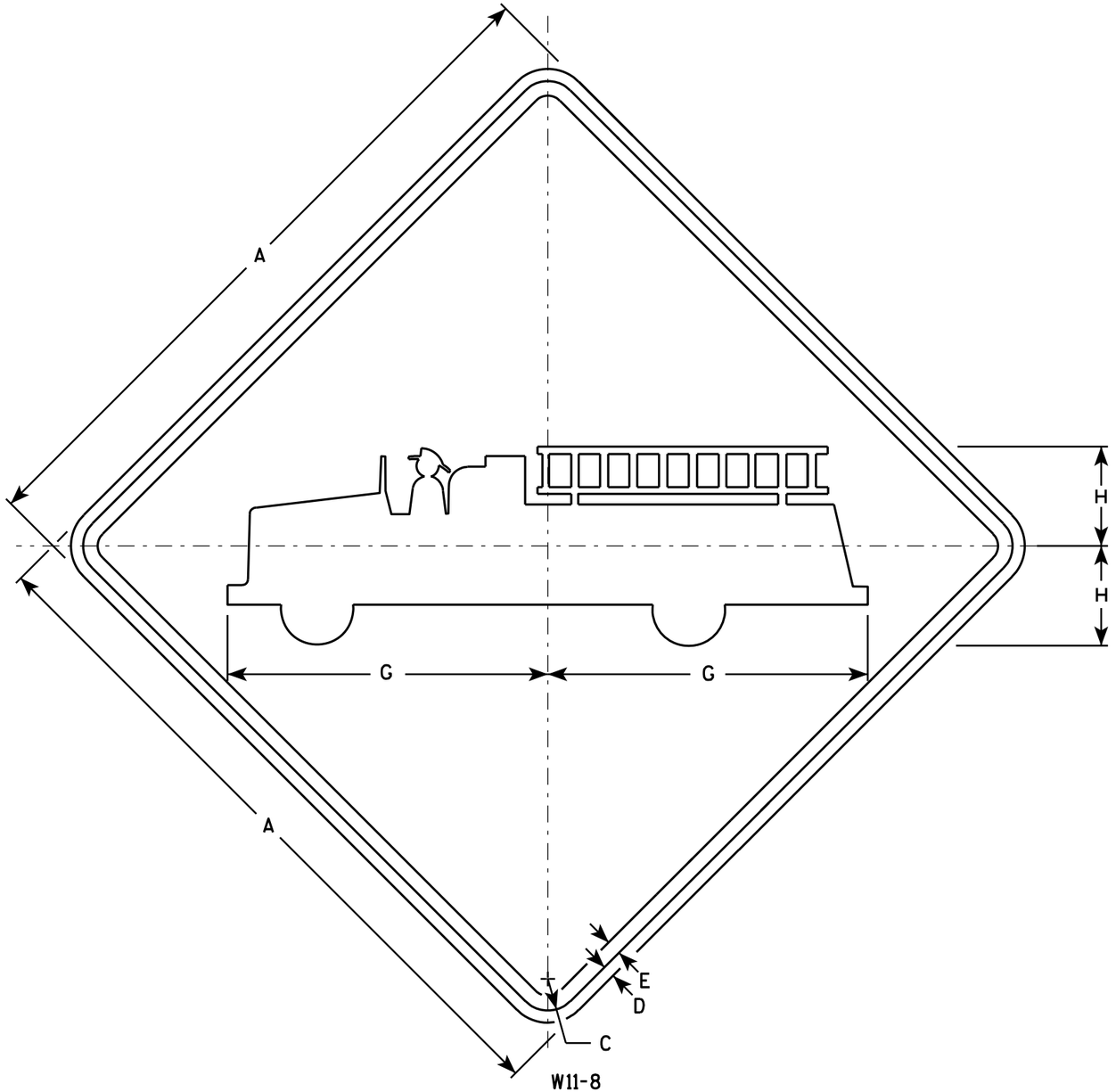
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 335	E



W11-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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	24		1 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN
W11-8

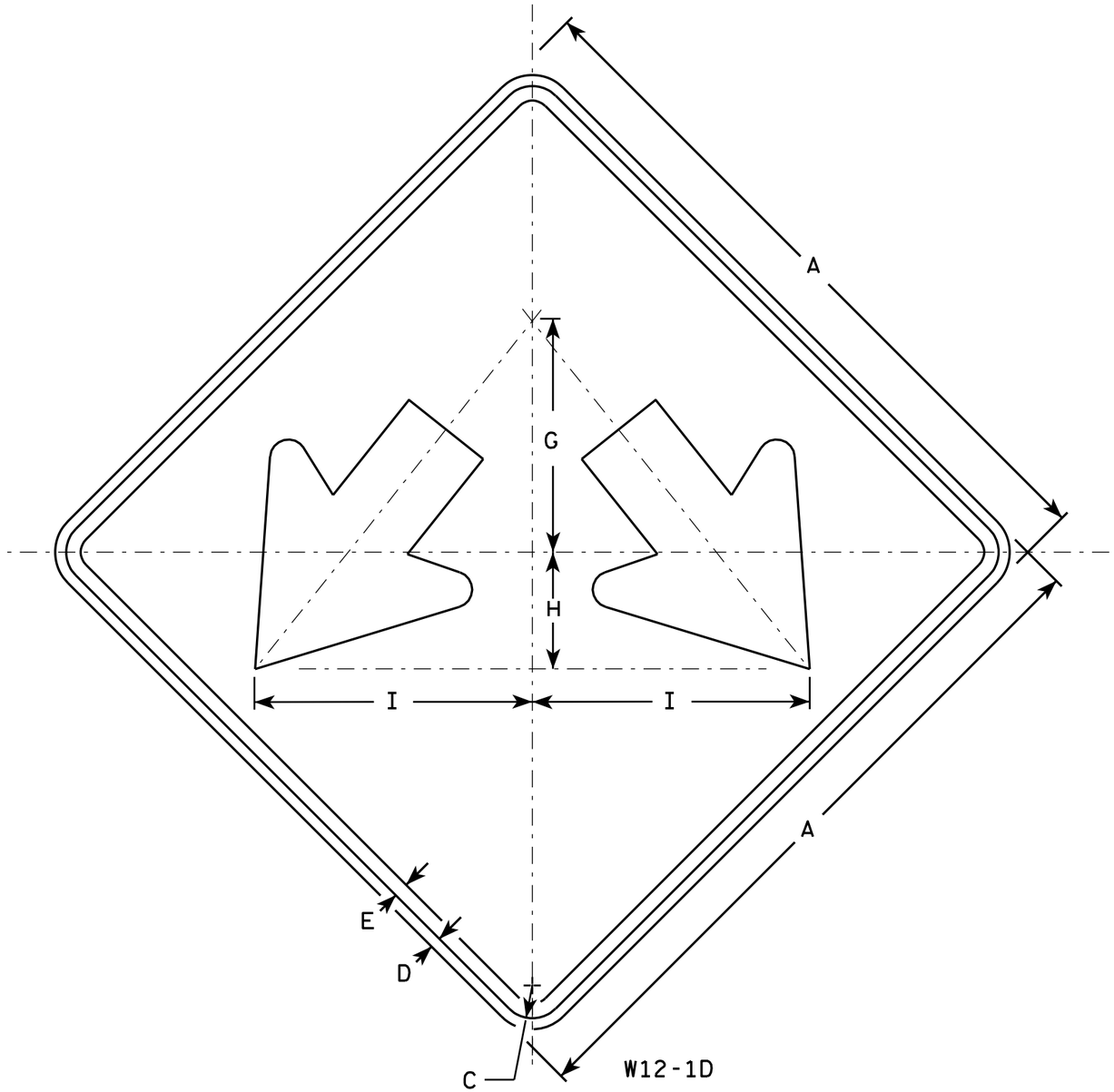
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-8.7

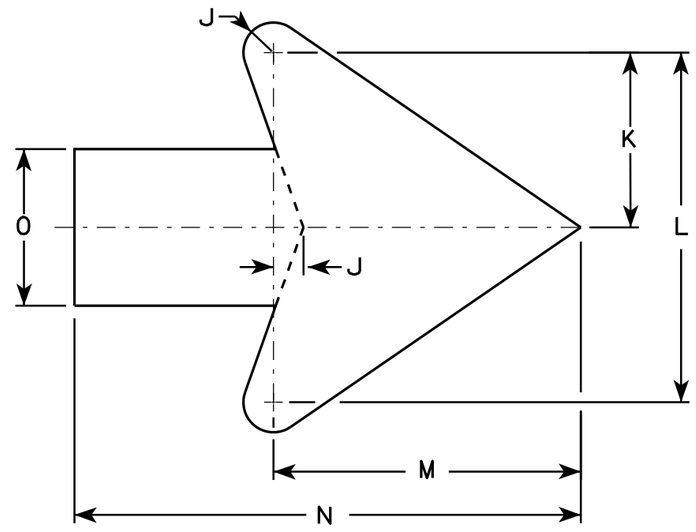
PROJECT NO:

SHEET NO: 336 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.



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		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

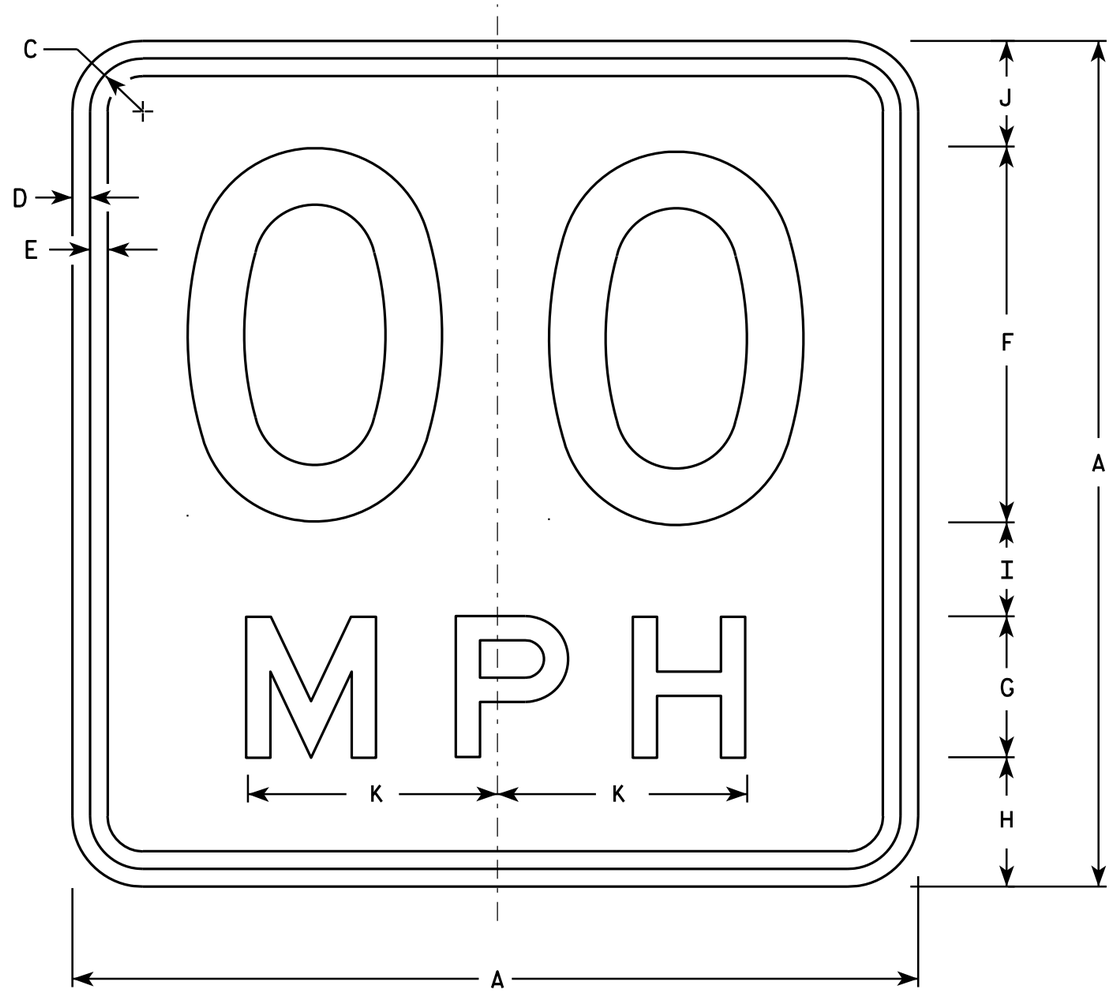
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 337	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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 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. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is 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	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

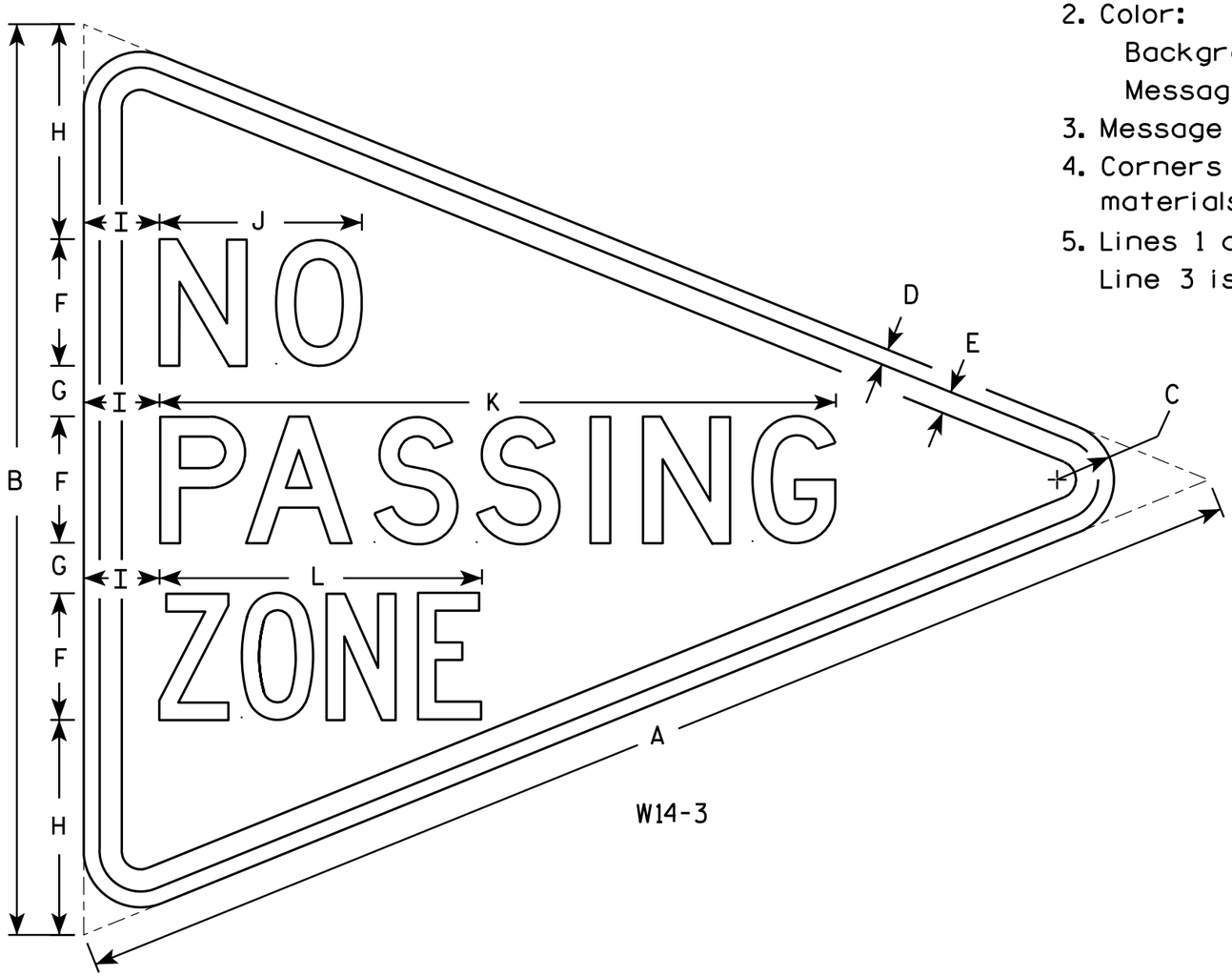
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | 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																											

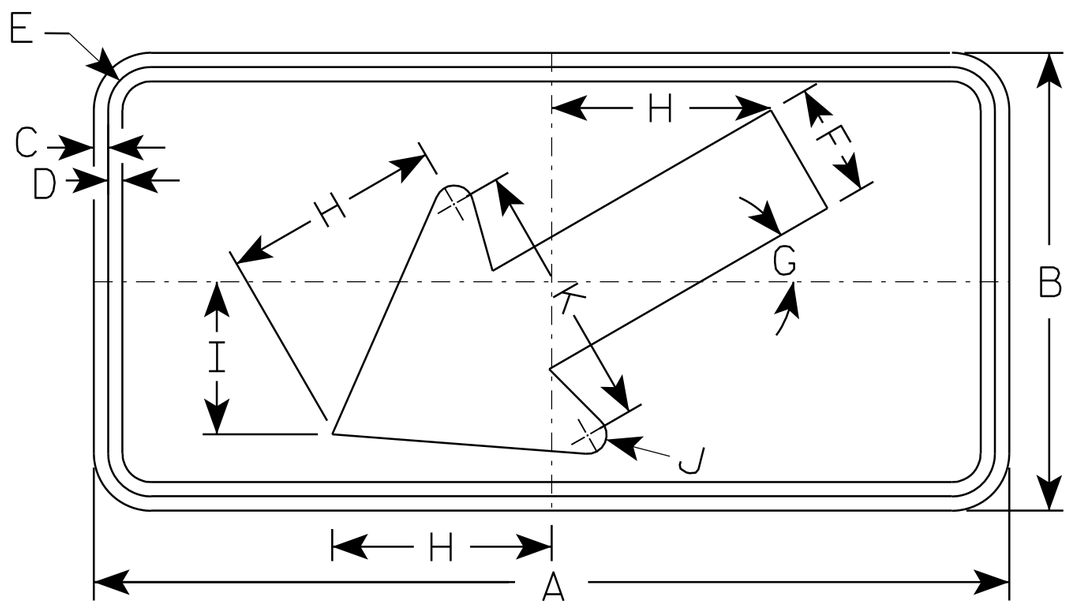
STANDARD SIGN
W14-3

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: 339	E



W16-7L

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. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

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	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

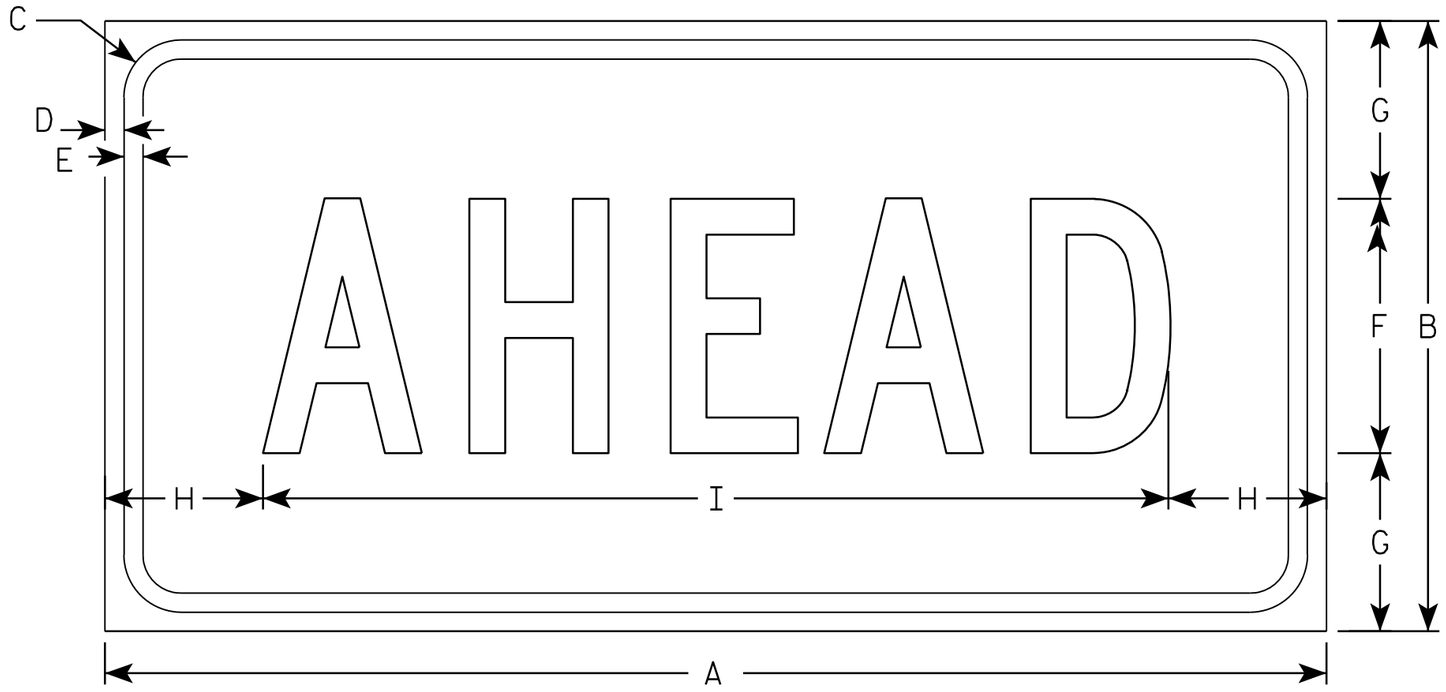
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 340	E



W16-9P

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
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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

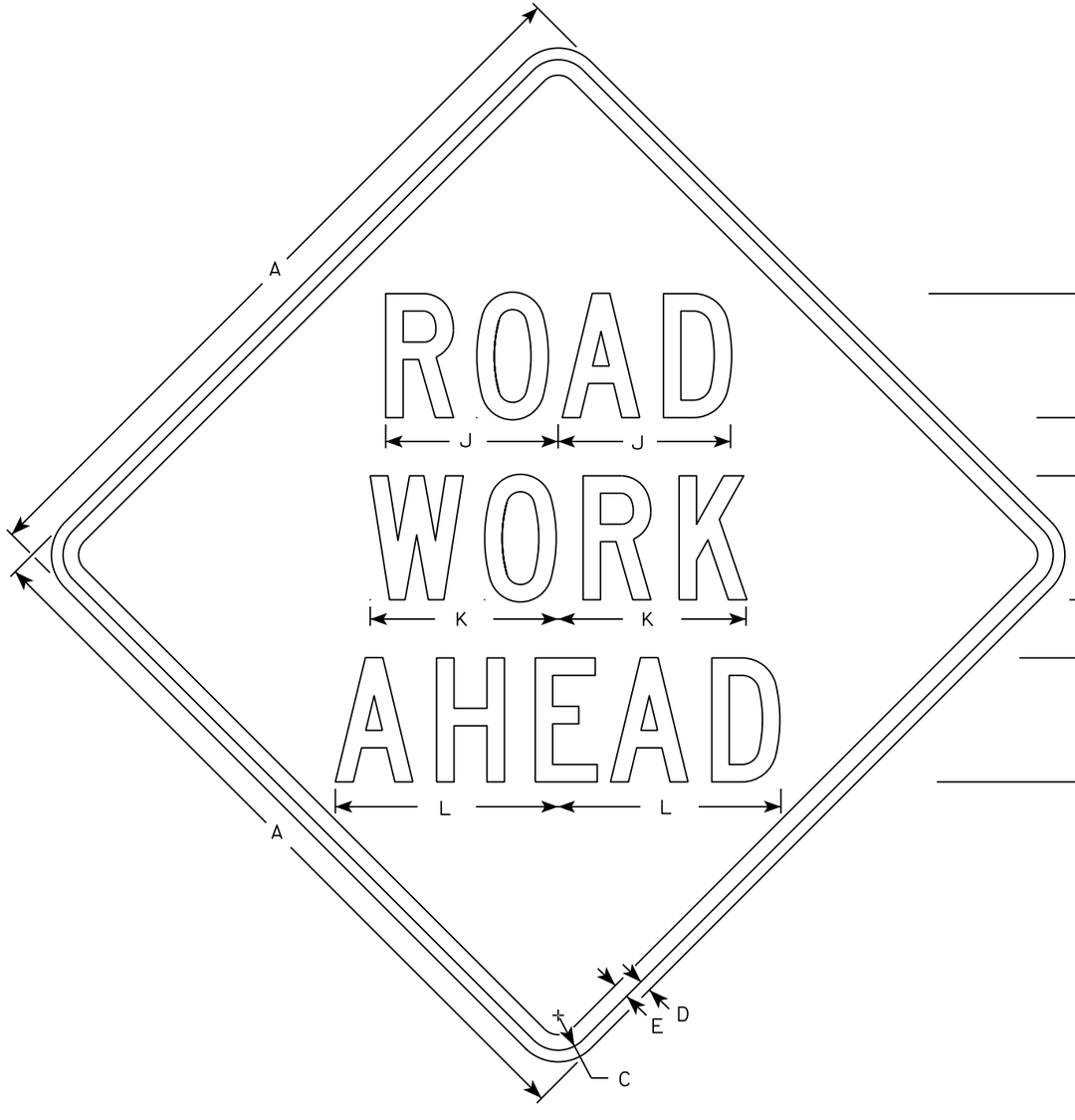
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

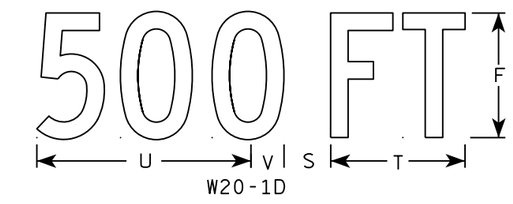
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 341 | E

7

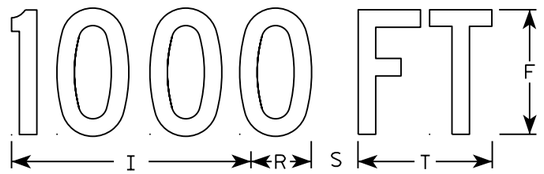
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



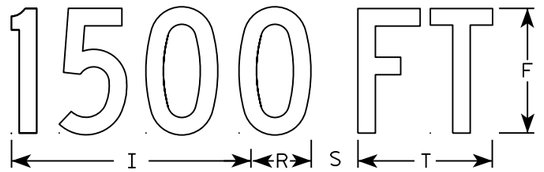
W20-1A



W20-1D



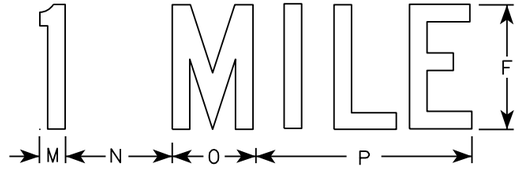
W20-1C



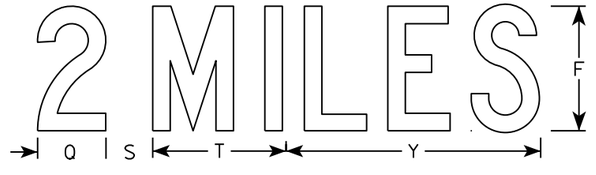
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   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	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

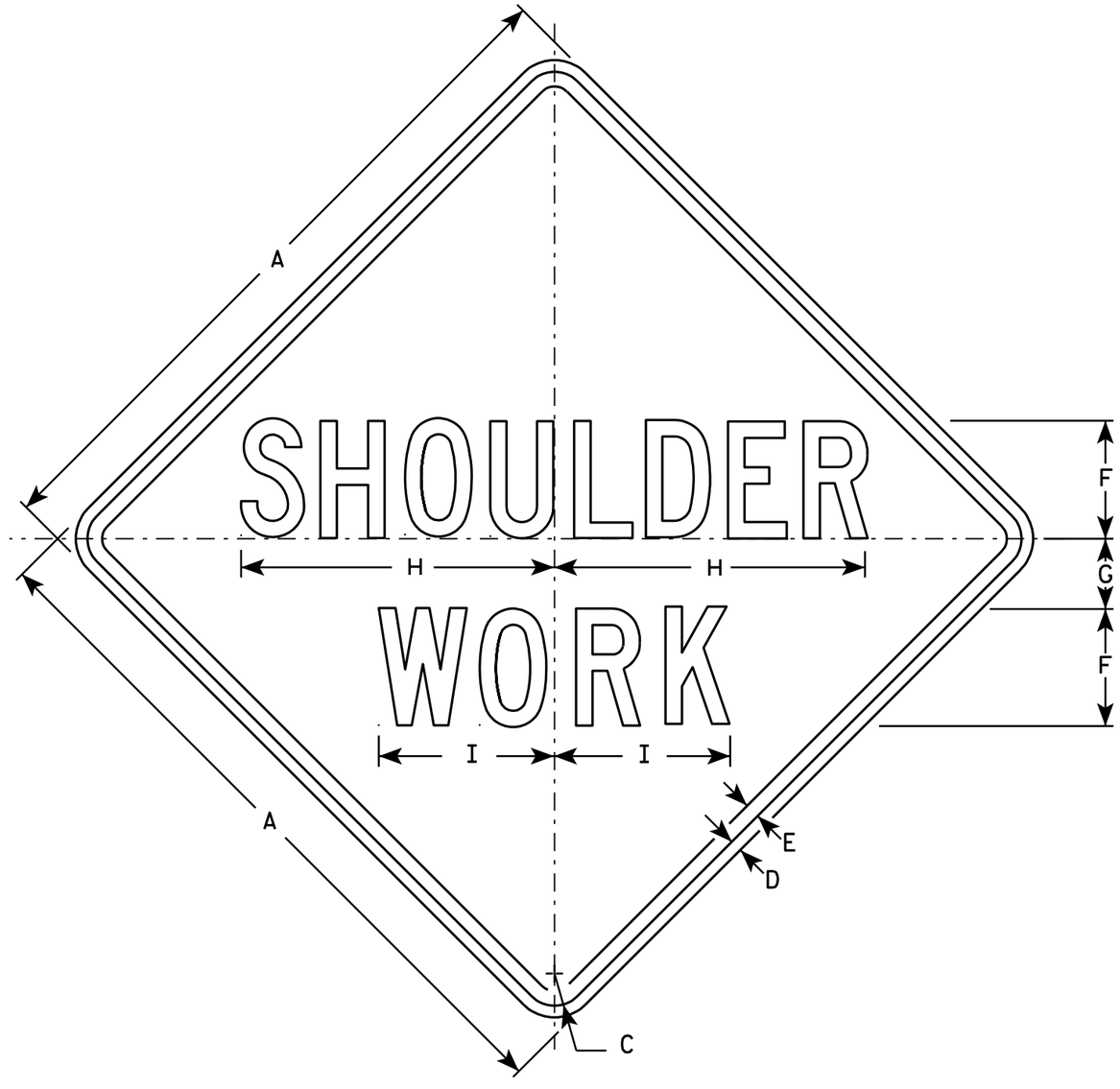
DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO:

SHEET NO: E

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

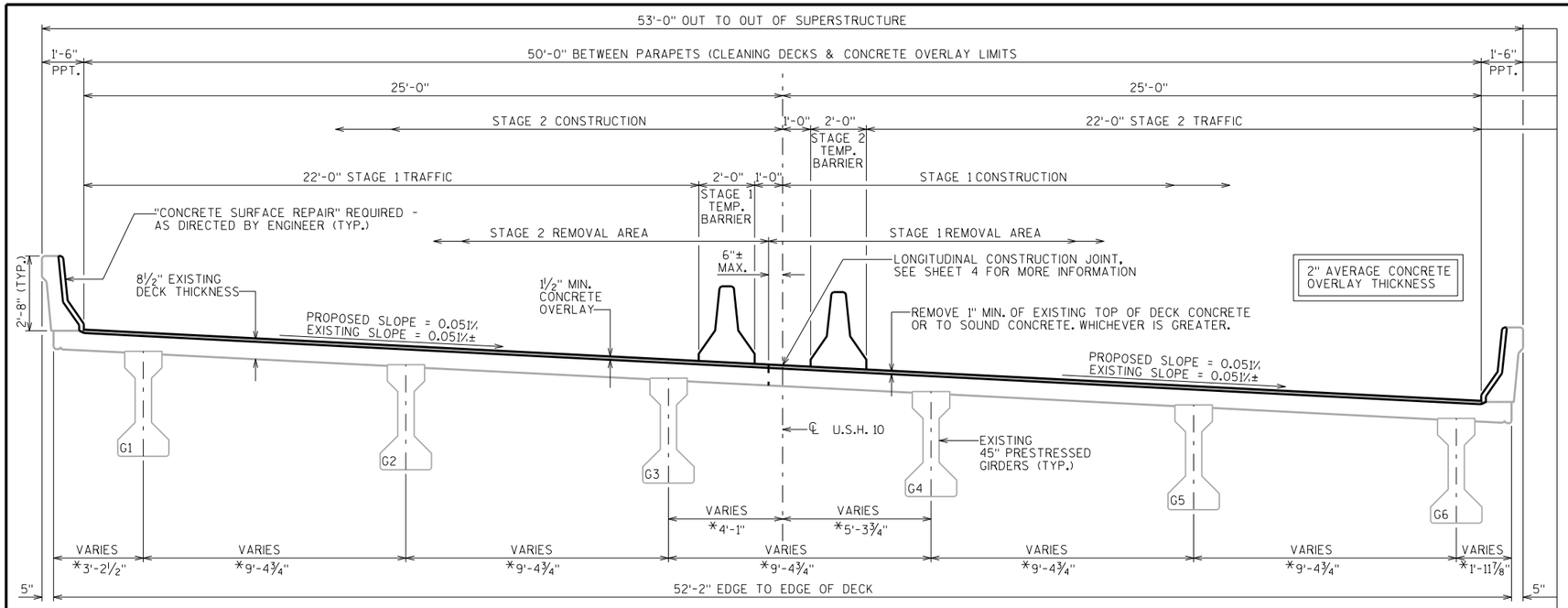
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 343 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN PLOT DATE : 21-MAR-2011 08:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000



CROSS SECTION THRU ROADWAY LOOKING NORTH

*DIMENSIONS ARE MEASURED RADIALLY AT THE POINT OF TANGENCY.

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-18
OPERATING RATING: HS-28
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 232 KIPS

MATERIAL PROPERTIES:

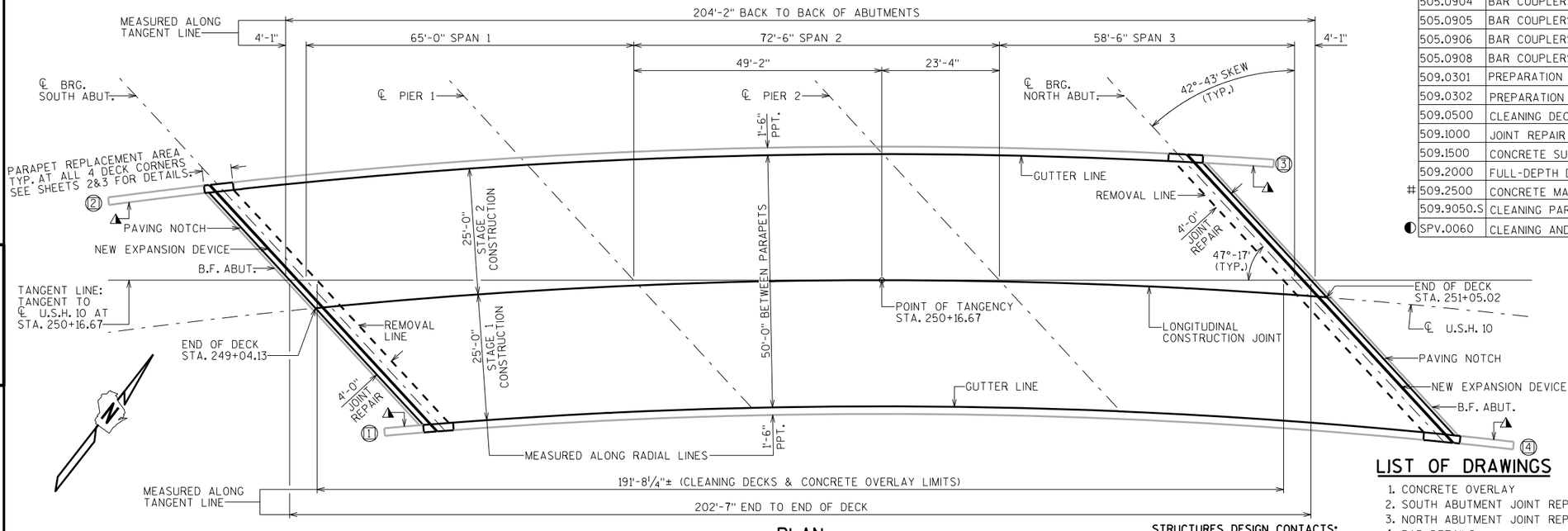
CONCRETE MASONRY OVERLAY DECKS: f'c = 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60: fy = 60,000 P.S.I.

⚠ UPDATE THRIE BEAM GUARD ANCHORAGES AT ALL FOUR WINGS PER S.D.D. 14B 20-6C.

NOTE:
REMOVAL LINES SHALL BE DEFINED BY A 1" DEEP SAW CUT AT THE CONCRETE SURFACES.

BID ITEM ALSO INCLUDES CONCRETE FOR PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, JOINT REPAIR, AND FULL-DEPTH DECK REPAIR.

◐ SEE SPECIAL PROVISION FOR DETAILS.



PLAN

TOP OF DECK SHOWN

◯ INDICATES WING NUMBERS

STRUCTURES DESIGN CONTACTS:
DAVE GENSON (608) 266-8491
JOEL HUENINK (608) 266-5160

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ANY EXCAVATION NECESSARY TO COMPLETE THE OVERLAY OR JOINT REPAIR AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

CONTACT THE BUREAU OF STRUCTURES BEFORE PLACEMENT OF OVERLAY IF THE AVERAGE THICKNESS OF THE NEW OVERLAY WILL EXCEED THE AVERAGE OVERLAY SHOWN ON THE PLANS BY MORE THAN ½".

A MINIMUM OF 1-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, CONCRETE SURFACE REPAIR AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

APPLY BRIDGE SEAT PROTECTION, AS PER STANDARD SPECIFICATION SECTION 502.3.12, TO THE TOP SURFACES OF BOTH ABUTMENTS BELOW EXPANSION DEVICES. WORK TO BE INCIDENTAL TO "JOINT REPAIR".

COAT ALL EXPOSED SURFACES OF THE LAST 5'-0" OF GIRDERS (SPANS 1 & 3 AT ABUTMENT ENDS ONLY) WITH "PROTECTIVE COATING CLEAR" AS DIRECTED BY THE ENGINEER. APPLY AT A RATE OF ONE GALLON PER 200 SF PER STANDARD SPECIFICATION 502.3.15 PARA. (4).

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY. PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF PARAPETS INCLUDING PARAPETS ON WINGS.

THE EXISTING ABUTMENT BEARINGS SHALL BE CLEANED AND REPAINTED (CLASS C - POWER TOOL AND OVERCOAT). WORK SHALL BE COVERED UNDER THE BID ITEM "CLEANING AND PAINTING BEARINGS". BEARINGS ARE TO BE PAINTED GRAY, FEDERAL COLOR #26293.

PARAPETS, INCLUDING THOSE ON WINGS, SHALL BE CLEANED BEFORE THE PIGMENTED SURFACE SEALER IS APPLIED. WORK SHALL BE COVERED UNDER THE BID ITEM "CLEANING PARAPETS".

STATE PROJECT NUMBER

6350-01-62

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBERS	BID ITEMS	UNIT	TOTALS
	502.3100	EXPANSION DEVICE B-71-39	LS	1
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	1056
	502.3210	PIGMENTED SURFACE SEALER	SY	244
	502.6500	PROTECTIVE COATING CLEAR	GAL	3
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	5230
	505.0904	BAR COUPLERS NO. 4	EACH	4
	505.0905	BAR COUPLERS NO. 5	EACH	6
	505.0906	BAR COUPLERS NO. 6	EACH	18
	505.0908	BAR COUPLERS NO. 8	EACH	12
	509.0301	PREPARATION DECKS TYPE 1	SY	120
	509.0302	PREPARATION DECKS TYPE 2	SY	60
	509.0500	CLEANING DECKS	SY	1056
	509.1000	JOINT REPAIR	SY	65
	509.1500	CONCRETE SURFACE REPAIR	SF	110
	509.2000	FULL-DEPTH DECK REPAIR	SY	1
#	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	93
	509.9050.S	CLEANING PARAPETS	LF	456
◐	SPV.0060	CLEANING AND PAINTING BEARINGS	EACH	12

LIST OF DRAWINGS

1. CONCRETE OVERLAY
2. SOUTH ABUTMENT JOINT REPAIR
3. NORTH ABUTMENT JOINT REPAIR
4. BAR DETAILS
5. EXPANSION DEVICE
6. COVER PLATE DETAILS

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 12/3/15
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-71-39

U.S.H. 10 OVER CANADIAN NATIONAL RAILROAD

COUNTY: WOOD — ~~TOWN/CITY~~/VILLAGE: BURNDALE
DESIGN SPEC.: REHABILITATION N/A
DESIGNED BY: DRG — DESIGN CK'D. — DRAWN BY: JPH — PLANS CK'D. WJK

CONCRETE OVERLAY

SHEET 1 OF 6

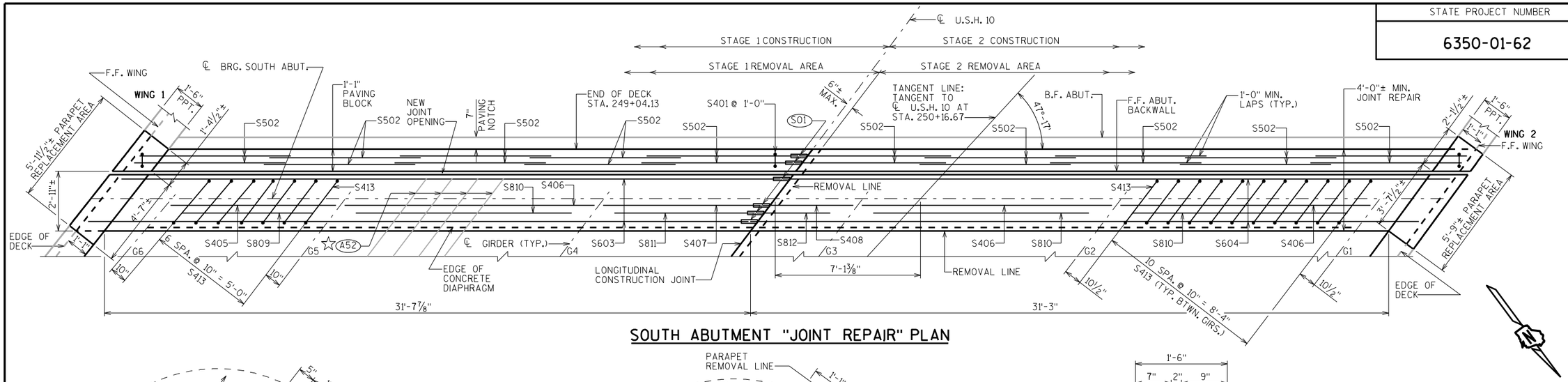
344

I.D. 6350-01-32A

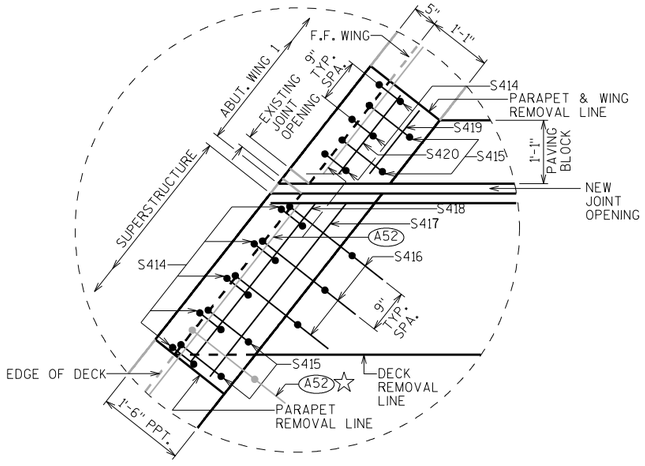
DATE: SEPT. 2015

SCALE = 12.0

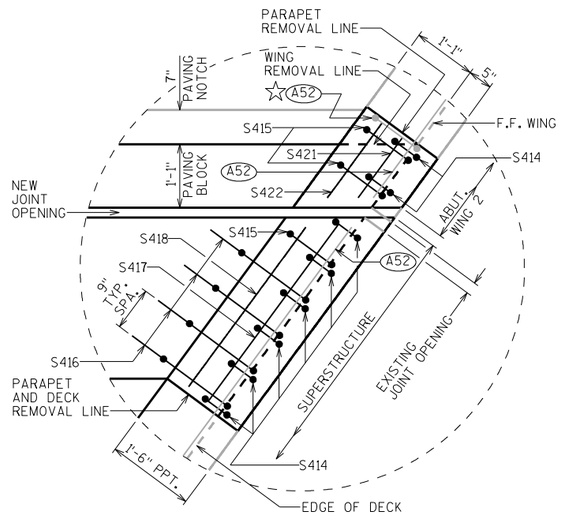
STATE PROJECT NUMBER
6350-01-62



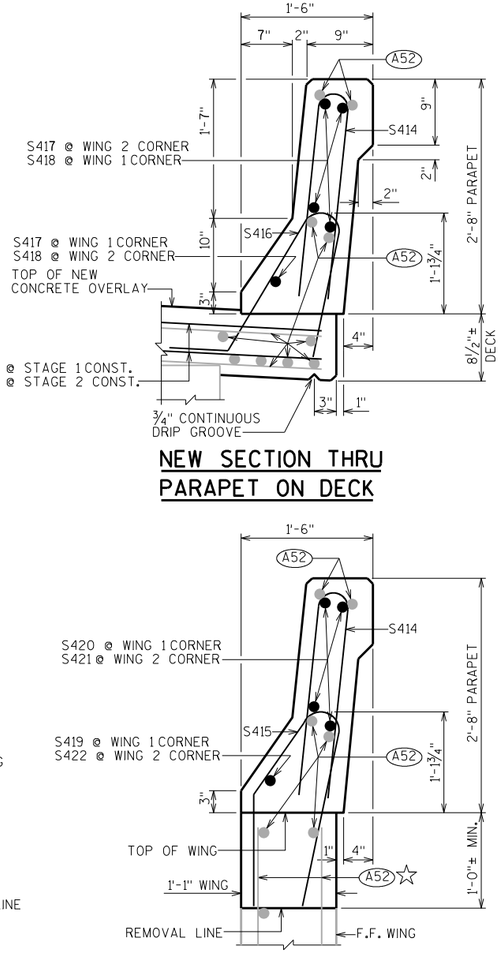
SOUTH ABUTMENT "JOINT REPAIR" PLAN



PLAN DETAIL OF PARAPET REPLACEMENT AREA AT WING 1 CORNER



PLAN DETAIL OF PARAPET REPLACEMENT AREA AT WING 2 CORNER



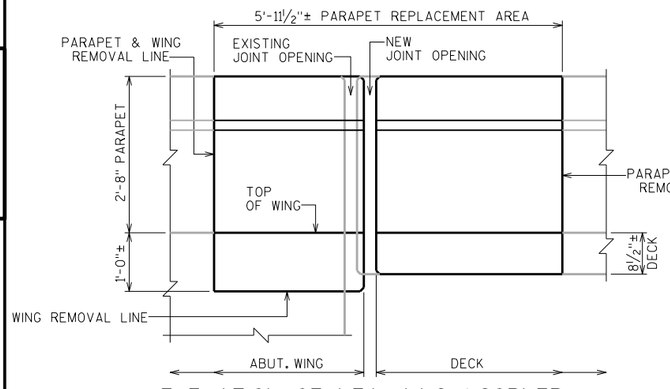
NEW SECTION THRU PARAPET ON DECK

A52 SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK.

THE NEW ADDITIONAL HORIZONTAL REINFORCEMENT REQUIRED IN THE PARAPETS SHALL BE TIED TO THE EXISTING HORIZONTAL REINFORCEMENT.

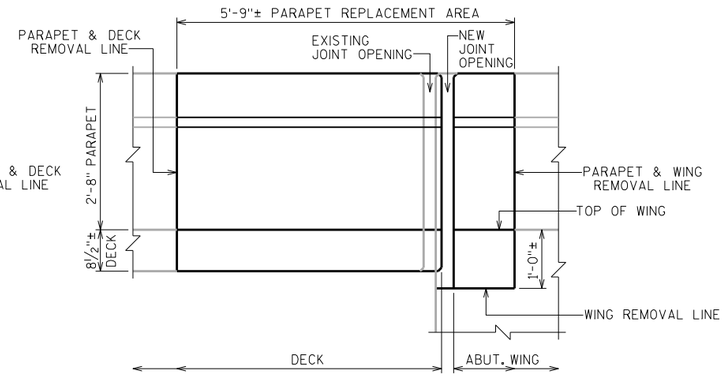
S01 BAR COUPLERS USED. BAR LENGTH COMPUTED TO ℄ OF LONGIT. JOINT & SHALL BE MODIFIED TO THE BAR COUPLER MANUFACTURERS RECOMMENDATIONS.

☆ IF EXISTING BARS ARE SEVERELY CORRODED OR DAMAGED DURING CONCRETE REMOVAL, REPLACE WITH EPOXY ANCHORED COATED NO. 5 L-SHAPED BARS WITH A 10" HORIZ. LEG. EMBED BARS 7", MIN INTO EXISTING CONC. PLACE 4" CL. MIN. OF VERT. CONC. FACE. WORK TO BE PAID FOR UNDER BID ITEM "JOINT REPAIR".



ELEVATION OF NEW WING 1 CORNER

SHOWING NEW CONCRETE AREAS FOR "JOINT REPAIR" (LOOKING AT OUTSIDE FACE OF PARAPET)



ELEVATION OF NEW WING 2 CORNER

SHOWING NEW CONCRETE AREAS FOR "JOINT REPAIR" (LOOKING AT OUTSIDE FACE OF PARAPET)

NEW SECTION THRU PARAPET ON WING

GENERAL NOTES

ALL REMOVAL LINES SHALL BE DEFINED BY A 1" DEEP SAW-CUT.

REBUILD NEW PARAPET, WING AND DECK AREAS TO MATCH THE EXISTING PARAPET, WING AND DECK.

PARAPET REPLACEMENT SHALL BE INCLUDED UNDER THE BID ITEM "JOINT REPAIR".

SEE SHEET 5 FOR THE NEW EXPANSION DEVICE & JOINT DETAILS WITHIN THE NEW JOINT REPAIR AREAS.

SEE SHEET 4 FOR THE BILL OF BARS AND BAR DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-71-39

DRAWN BY JPH | PLANS CK'D. WJK

SOUTH ABUTMENT JOINT REPAIR

SHEET 2

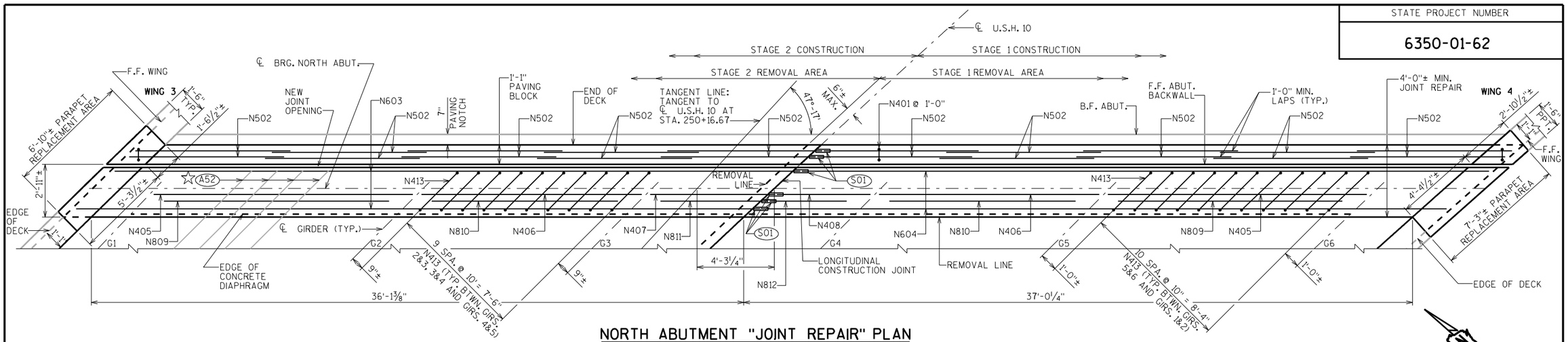
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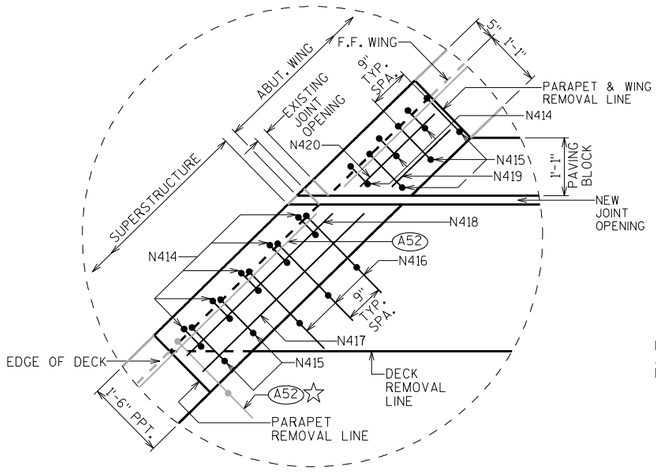
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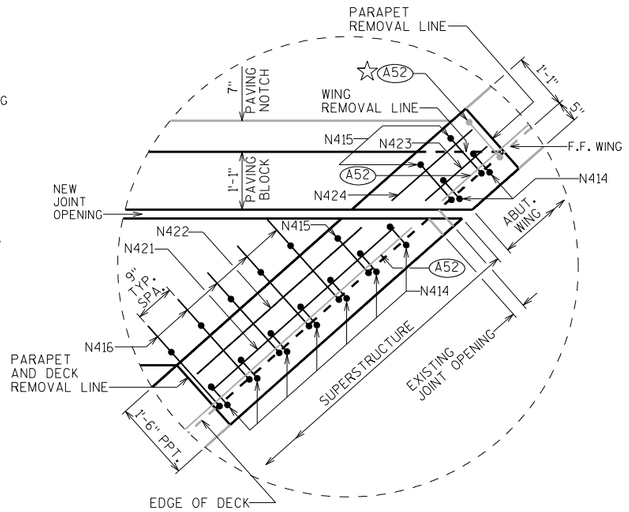
STATE PROJECT NUMBER
6350-01-62



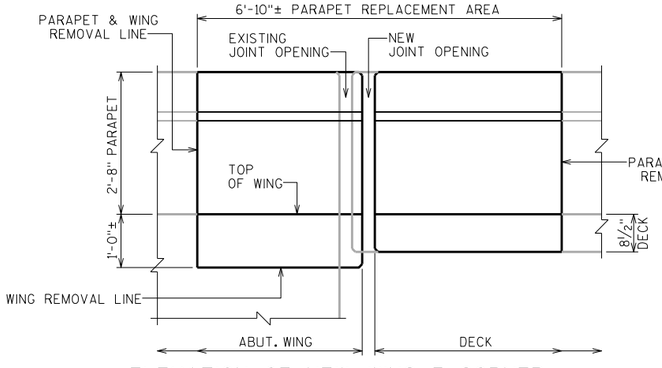
NORTH ABUTMENT "JOINT REPAIR" PLAN



PLAN DETAIL OF PARAPET REPLACEMENT AREA AT WING 3 CORNER

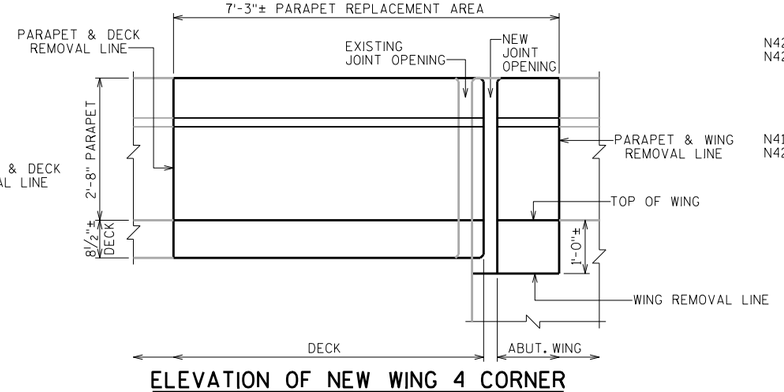


PLAN DETAIL OF PARAPET REPLACEMENT AREA AT WING 4 CORNER



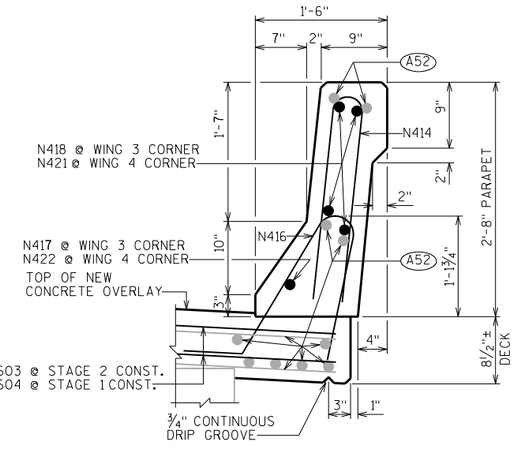
ELEVATION OF NEW WING 3 CORNER

SHOWING NEW CONCRETE AREAS FOR "JOINT REPAIR"
(LOOKING AT OUTSIDE FACE OF PARAPET)

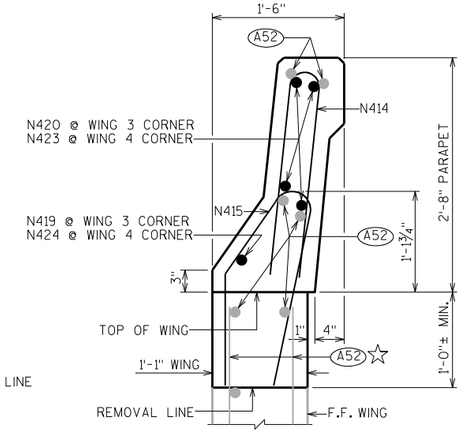


ELEVATION OF NEW WING 4 CORNER

SHOWING NEW CONCRETE AREAS FOR "JOINT REPAIR"
(LOOKING AT OUTSIDE FACE OF PARAPET)



NEW SECTION THRU PARAPET ON DECK



NEW SECTION THRU PARAPET ON WING

(A52) SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK.

THE NEW ADDITIONAL HORIZONTAL REINFORCEMENT REQUIRED IN THE PARAPETS SHALL BE TIED TO THE EXISTING HORIZONTAL REINFORCEMENT.

(S01) BAR COUPLERS USED. BAR LENGTH COMPUTED TO ℄ OF LONGIT. JOINT & SHALL BE MODIFIED TO THE BAR COUPLER MANUFACTURERS RECOMMENDATIONS.

☆ IF EXISTING BARS ARE SEVERELY CORRODED OR DAMAGED DURING CONCRETE REMOVAL, REPLACE WITH EPOXY ANCHORED COATED NO. 5 L-SHAPED BARS WITH A 10" HORIZ. LEG. EMBED BARS 7". MIN INTO EXISTING CONC. PLACE 4" CL. MIN. OF VERT. CONC. FACE. WORK TO BE PAID FOR UNDER BID ITEM "JOINT REPAIR".

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-71-39

DRAWN BY JPH | PLANS CK'D. WJK

NORTH ABUTMENT JOINT REPAIR

SHEET 3

346

SCALE = 2.75

8

8

STATE PROJECT NUMBER
6350-01-62

BILL OF BARS - NORTH ABUTMENT JOINT REPAIR

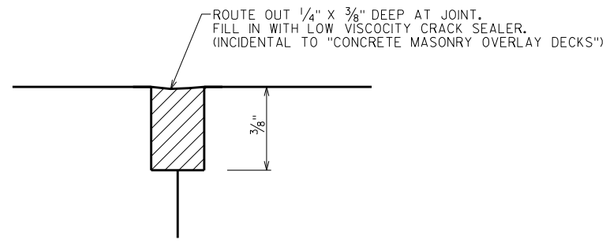
NOTE:
THE FIRST OR FIRST TWO DIGITS OF
THE BAR MARK SIGNIFIES THE BAR SIZE.

	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
	N401	X	77	3-4	X		PAVING BLOCK - VERT. - STIRRUP - AT STAGE 1& 2 CONST.
(S10)	N502	X	30	8-7			PAVING BLOCK - HORIZ. - AT STAGE 1& 2 CONST.
(S10)	N603	X	9	37-6			DECK - HORIZ. - TRANS. - TOP & BOT. - AT STAGE 2 CONST.
(S10)	N604	X	9	38-6			DECK - HORIZ. - TRANS. - TOP & BOT. - AT STAGE 1 CONST.
	N405	X	4	14-4			DECK - HORIZ. - TRANS. - BTWN. G1& G2 AND G5 & G6 - AT STAGE 1& 2 CONST.
	N406	X	4	12-2			DECK - HORIZ. - TRANS. - BTWN. G2&G3 AND G4&G5 - AT STAGE 1& 2 CONST.
(S10)	N407	X	2	6-6			DECK - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 2 CONST.
(S10)	N408	X	2	5-8			DECK - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 1 CONST.
	N809	X	12	12-5			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G5&G6 AND G1&G2 - AT STAGE 1& 2 CONST.
	N810	X	12	10-4			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G4&G5 AND G2&G3 - AT STAGE 1& 2 CONST.
(S10)	N811	X	6	5-7			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 2 CONST.
(S10)	N812	X	6	4-9			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 1 CONST.
	N413	X	52	5-10	X		DECK/CONC. DIAPH. - VERT. - BTWN. GIRS. - AT STAGE 1& 2 CONST.
	N414	X	17	4-10	X		PARAPET - VERT. - TRANS. - ABOVE DECK AND WINGS - AT WING CORNERS 3&4
	N415	X	8	4-7	X		WING/DECK & PARAPET - VERT. - TRANS. - AT WING CORNERS 3&4
	N416	X	8	4-3	X		DECK & PARAPET - VERT. - TRANS. - AT WING CORNERS 3&4
	N417	X	1	4-4			DECK PARAPET - F.F - HORIZ. - LONGIT. - AT WING CORNER 3
	N418	X	4	3-8			DECK PARAPET - HORIZ. - LONGIT. - AT WING CORNER 3
	N419	X	1	1-7			WING PARAPET - F.F. - HORIZ. - LONGIT. - AT WING CORNER 3
	N420	X	4	2-3			WING PARAPET - HORIZ. - LONGIT. - AT WING CORNER 3
	N421	X	4	4-11			DECK PARAPET - HORIZ. - LONGIT. - AT WING CORNER 4
	N422	X	1	4-2			DECK PARAPET - F.F - HORIZ. - LONGIT. - AT WING CORNER 4
	N423	X	4	1-4			WING PARAPET - HORIZ. - LONGIT. - AT WING CORNER 4
	N424	X	1	2-2			WING PARAPET - F.F. - HORIZ. - LONGIT. - AT WING CORNER 4

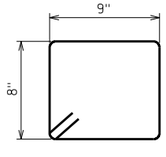
BILL OF BARS - SOUTH ABUTMENT JOINT REPAIR

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

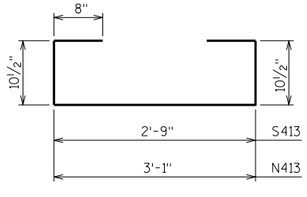
	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
	S401	X	66	3-4	X		PAVING BLOCK - VERT. - STIRRUP - AT STAGE 1& 2 CONST.
(S10)	S502	X	30	7-5			PAVING BLOCK - HORIZ. - AT STAGE 1& 2 CONST.
(S10)	S603	X	9	32-9			DECK - HORIZ. - TRANS. - TOP & BOT. - AT STAGE 1 CONST.
(S10)	S604	X	9	32-4			DECK - HORIZ. - TRANS. - TOP & BOT. - AT STAGE 2 CONST.
	S405	X	2	8-1			DECK - HORIZ. - TRANS. - BTWN. G5 & G6 - AT STAGE 1 CONST.
	S406	X	6	12-3			DECK - HORIZ. - TRANS. - BTWN. G1&G2. G2&G3 & G4&G5 - AT STAGE 1& 2 CONST.
(S10)	S407	X	2	8-2			DECK - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 1 CONST.
(S10)	S408	X	2	4-1			DECK - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 2 CONST.
	S809	X	6	6-5			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G5&G6 - AT STAGE 1 CONST.
	S810	X	18	10-7			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G4&G5, G2&G3 & G1&G2 - AT STAGE 1& 2 CONST.
(S10)	S811	X	6	7-4			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 1 CONST.
(S10)	S812	X	6	3-3			CONC. DIAPH. - BOT. - HORIZ. - TRANS. - BTWN. G3&G4 - AT STAGE 2 CONST.
	S413	X	51	5-6	X		DECK/CONC. DIAPH. - VERT. - BTWN. GIRS. - AT STAGE 1& 2 CONST.
	S414	X	16	4-10	X		PARAPET - VERT. - TRANS. - ABOVE DECK AND WINGS - AT WING CORNERS 1&2
	S415	X	7	4-7	X		WING/DECK & PARAPET - VERT. - TRANS. - AT WING CORNERS 1&2
	S416	X	7	4-3	X		DECK & PARAPET - VERT. - TRANS. - AT WING CORNERS 1&2
	S417	X	5	3-9			DECK PARAPET - HORIZ. - LONGIT. - AT WING CORNERS 1& 2
	S418	X	5	3-3			DECK PARAPET - HORIZ. - LONGIT. - AT WING CORNERS 1& 2
	S419	X	1	1-4			WING PARAPET - F.F. - HORIZ. - LONGIT. - AT WING CORNER 1
	S420	X	4	1-9			WING PARAPET - HORIZ. - LONGIT. - AT WING CORNER 1
	S421	X	4	1-2			WING PARAPET - HORIZ. - LONGIT. - AT WING CORNER 2
	S422	X	1	1-7			WING PARAPET - F.F. - HORIZ. - LONGIT. - AT WING CORNER 2



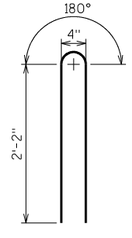
LONGITUDINAL CONSTRUCTION
JOINT DETAIL



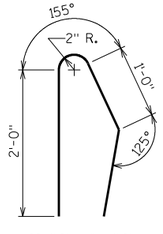
S401 N401



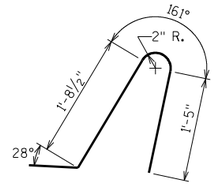
S413 N413



S414 N414



S415 N415



S416 N416

(S10) BAR COUPLERS USED. BAR LENGTH COMPUTED UP TO THE LONGIT. CONST. JOINT AND SHALL BE MODIFIED TO THE BAR COUPLER MANUFACTURERS' RECOMMENDATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-71-39

DRAWN BY JPH | PLANS CK'D. WJK

BAR DETAILS

SHEET 4

347

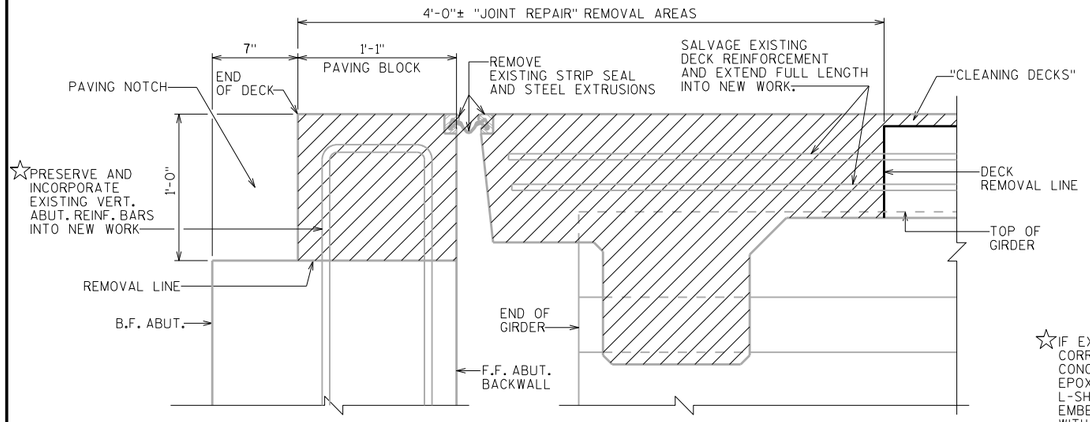
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STATE PROJECT NUMBER

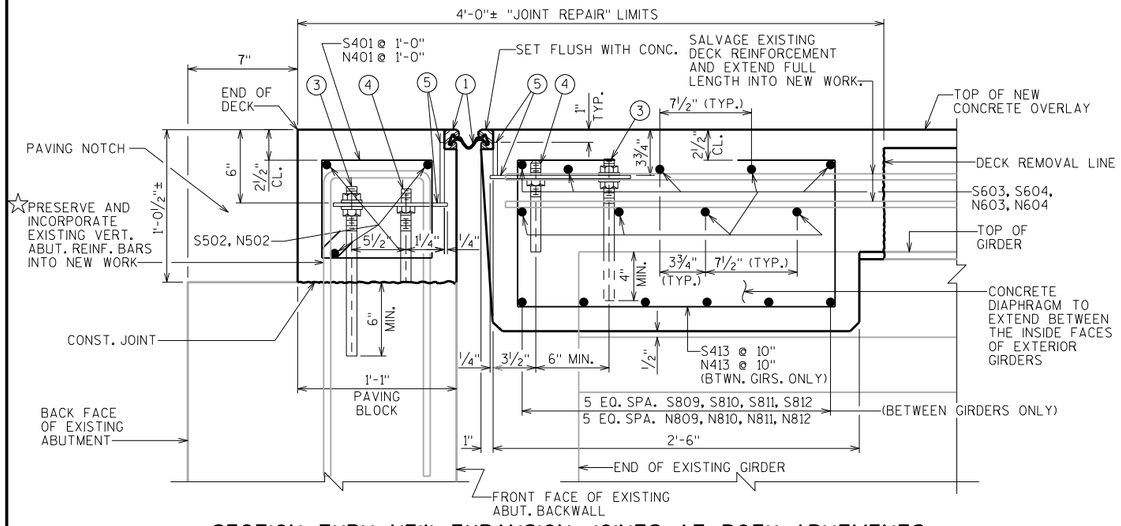
6350-01-62



SECTION THRU EXISTING EXPANSION JOINTS AT BOTH ABUTMENTS

SHOWING REMOVAL AREAS - NORMAL TO ℄ BRG. ABUTMENTS

☆IF EXISTING BARS ARE SEVERELY CORRODED OR DAMAGED DURING CONCRETE REMOVAL, REPLACE WITH EPOXY ANCHORED COATED NO. 5 L-SHAPED BARS WITH A 10" HORIZ. LEG. EMBED BARS 7" MIN. INTO EXISTING CONC. WITH A MIN. PULLOUT LOAD OF 18 KIPS. PLACE 4" CL. MIN. OF VERT. CONC. FACE. WORK TO BE PAID FOR UNDER BID ITEM "JOINT REPAIR".



SECTION THRU NEW EXPANSION JOINTS AT BOTH ABUTMENTS

NORMAL TO ℄ BRG. ABUTMENTS

GENERAL NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST & SWEEP.

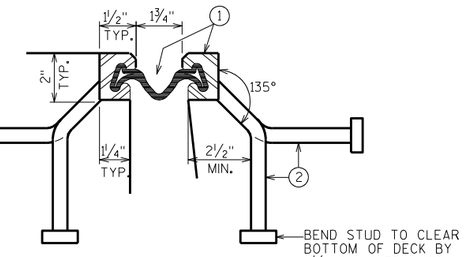
FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN & SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES & EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING THE PLATES & EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS & HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-71-39".

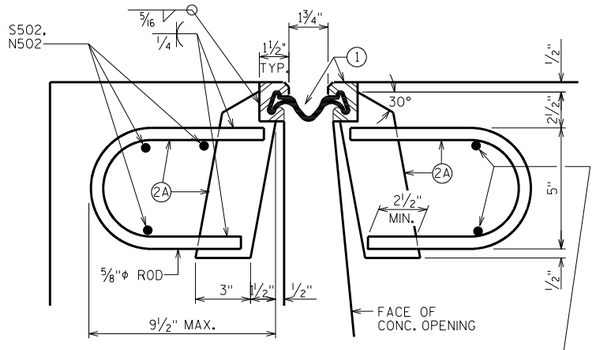
LEGEND

1. NEOPRENE STRIP SEAL (4 INCH) & STEEL EXTRUSIONS.
2. STUDS ⅝"ϕ X 6⅜" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS & BEND AS SHOWN AFTER WELDING.
2A. ½" THICK ANCHOR PLATE WITH ⅝"ϕ ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE, WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.
3. ¾" ϕ THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON ℄ OF GIRDER. ON ABUTMENT SIDE, GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.
4. ¾"ϕ THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.
5. FABRICATE SUPPORT FROM 3" X ½" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. FIELD OR SHOP WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1½" ϕ HOLE FOR NO. 3 & 1" ϕ HOLE FOR NO. 4.



SECTION THRU JOINT

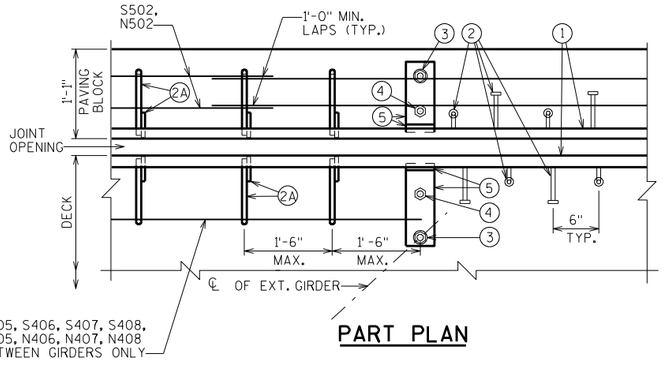
EXTERIOR GIRDER TO EDGE OF DECK & AT PARAPETS



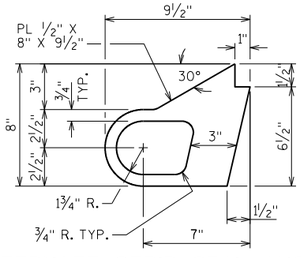
AT PAVING BLOCK SYM. ABOUT ℄ JOINT UNLESS SHOWN OR NOTED OTHERWISE AT DECK

SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



PART PLAN



ALTERNATE STRIP SEAL ANCHOR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-71-39

DRAWN BY JPH | PLANS CK'D. WJK

EXPANSION DEVICE

SHEET 5

348

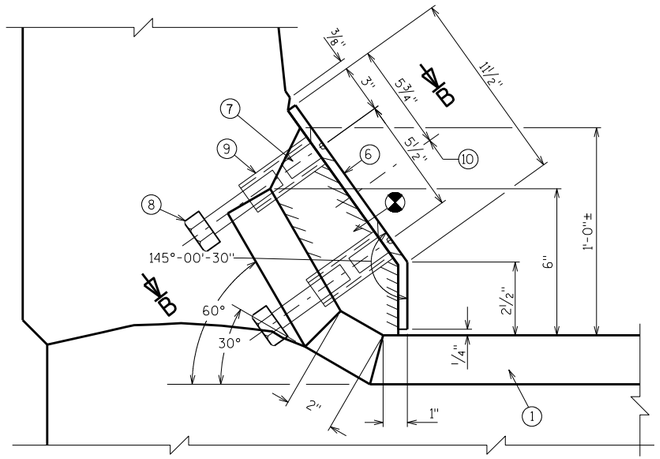
SCALE = 1

8

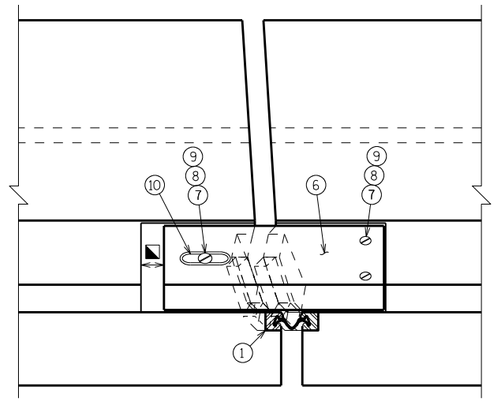
8

STATE PROJECT NUMBER

6350-01-62



SECTION A-A



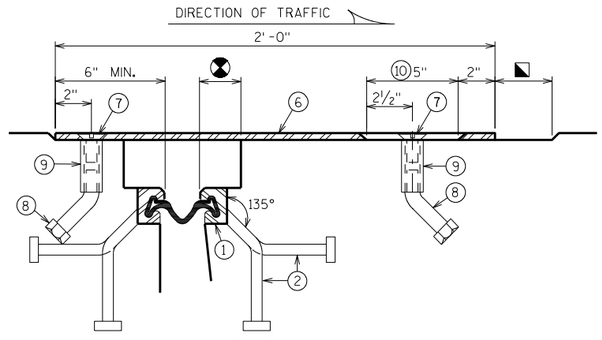
VIEW OF PARAPET PLATE FROM ROADWAY

LEGEND

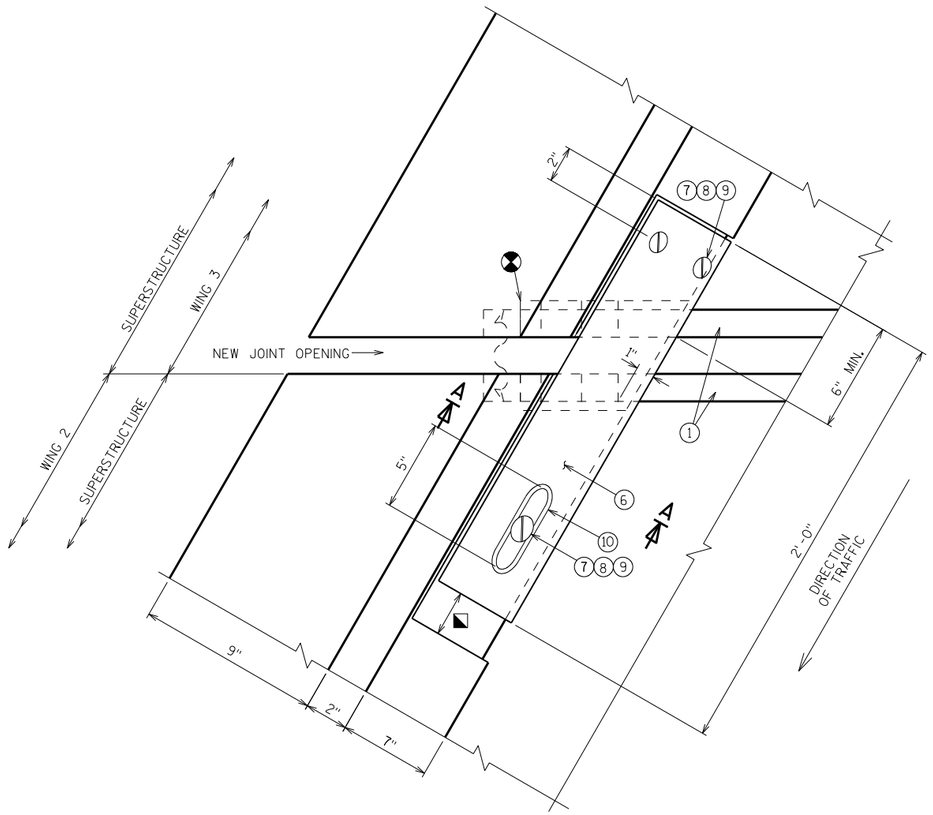
1. NEOPRENE STRIP SEAL (4 INCH) & STEEL EXTRUSIONS.
2. STUDS 5/8"Φ X 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS & BEND AS SHOWN AFTER WELDING.
6. GALVANIZED PLATE 3/8" X LIMITS SHOWN WITH HOLES FOR NO. 7. BEND AS SHOWN.
7. 3/4"Φ X 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.
8. 3/4"Φ X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
9. 3/4"Φ X 2 1/4" GALVANIZED THREADED COUPLING.
10. 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. SLOT PARALLEL TO DIRECTION OF MOVEMENT.

NOTE:

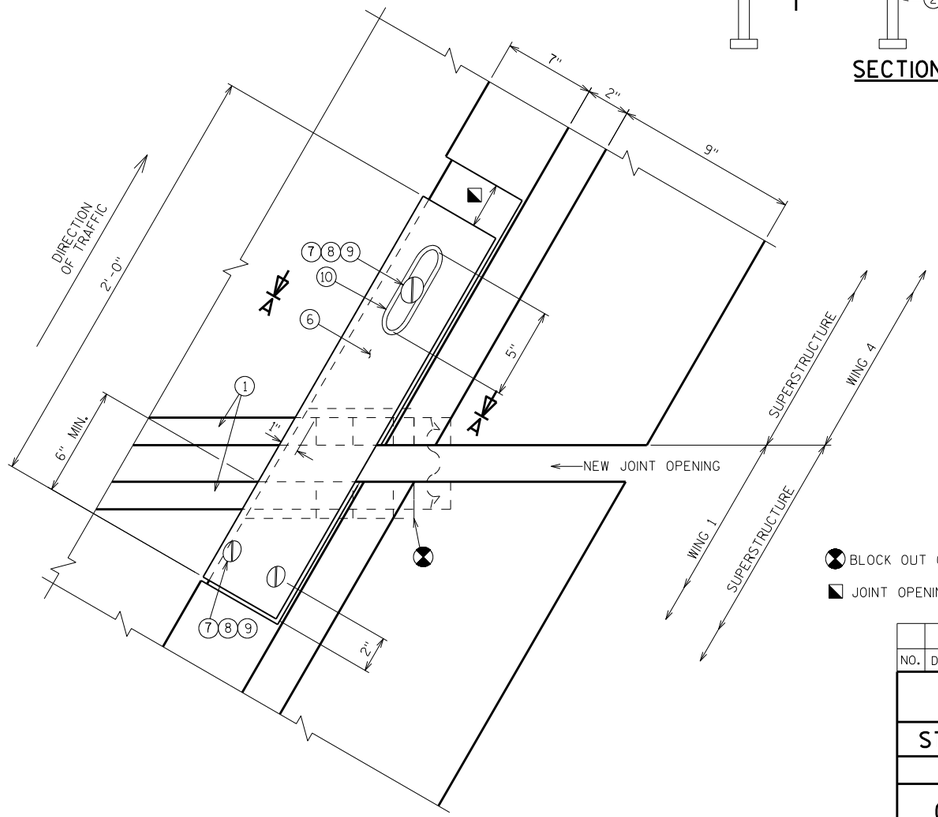
ANCHOR SYSTEM #8 & #9 SHALL CONFORM TO ASTM A307 & SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C & D.



SECTION B-B



PLAN VIEW AT WING CORNERS 2 & 3



PLAN VIEW AT WING CORNERS 1 & 4

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

JOINT OPENING DIM. ALONG SKEW PLUS 1/2".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-71-39

DRAWN BY JPH | PLANS CK'D. WJK

COVER PLATE DETAILS

SHEET 6

349

SCALE = 1

8

8

CTH-P EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
222+25	0	0					
222+50	5.5	4.2	3	3	3	3	0
223+00	10.3	3.8	15	10	17	12	5
223+50	77.2	2.3	81	7	98	20	79
224+00	89.4	8.4	154	13	252	32	220
224+50	103.7	13	179	26	431	58	373
225+00	104.9	16	193	35	624	93	531
225+50	86.2	8.1	177	29	801	122	679
226+00	83.3	2.1	157	12	958	134	824
226+35	169.49	5.3	164	6	1122	141	982
226+42	167.8	4.1	44	2	1166	142	1024
226+50	162.48	3.6	49	1	1215	144	1071
227+00	131	17.8	272	26	1487	169	1317
227+34	179.9	8.7	197	22	1683	191	1492
227+50	188.9	16.3	108	10	1791	201	1591
227+75	204.2	18.3	182	21	1973	222	1752
228+00	204.5	29	189	28	2163	250	1913
228+50	146.43	77.7	325	128	2487	378	2109
229+00	727.6	0	809	94	3297	472	2825
229+50	616.2	3.8	1244	5	4541	477	4064
229+62	633.1	6	286	3	4827	479	4348
231+00	76.1	19.5	1808	84	6635	564	6071
231+50	50.8	81.9	118	122	6752	686	6066
232+00	19.6	141.7	65	269	6817	955	5862
232+50	7.3	248.2	25	469	6842	1424	5418
233+00	0.6	380.7	7	757	6850	2181	4668
233+50	385.5	526.5	358	1092	7207	3273	3934
234+00	443.5	586.5	768	1340	7975	4613	3361
234+50	430.6	586.3	809	1412	8784	6025	2759
235+00	402.4	563.7	771	1384	9555	7409	2146
235+50	325.2	550.2	674	1341	10229	8750	1479
236+00	154.9	501.8	445	1266	10674	10016	657
236+50	125	511.8	259	1220	10933	11236	-304
237+00	104.6	499	213	1217	11145	12453	-1308
237+50	101.4	535.8	191	1246	11336	13699	-2363
238+00	85.7	550.7	173	1308	11509	15006	-3497
238+16	85.9	554.5	51	430	11561	15437	-3876
238+50	81	509.9	105	867	11665	16304	-4638
239+00	84	181.1	153	832	11818	17135	-5317
239+50	83.9	59.6	155	290	11973	17425	-5452
239+61	85.6	57.6	33	30	12007	17455	-5448
239+86	83.9	18.5	80	47	12087	17502	-5415
240+00	82.7	0.1	43	6	12130	17508	-5378
240+12	83.1	0	36	0	12166	17508	-5342
240+48	76.9	66.6	109	59	12275	17567	-5293
240+50	76.6	64.8	4	5	12279	17572	-5293
240+73	76.7	6.1	65	39	12344	17611	-5267
240+97	77.1	2.9	70	5	12414	17615	-5203
241+00	77.1	2.8	7	0	12421	17617	-5196
241+50	77.0	3.0	143	7	12564	17624	-5060
241+64	33.1	0.9	28	1	12591	17625	-5034
STRUCTURE B-17-39							
243+64	35.5	0.5					
243+81	57	75.7	28	30	12619	17655	-5036
244+00	57	75.7	41	71	12660	17726	-5065
244+05	55.8	28.1	11	13	12671	17738	-5067
244+30	65.2	133.8	55	95	12726	17834	-5108
244+35	60.6	46.1	13	24	12739	17858	-5119
244+50	61.2	32.1	34	28	12772	17886	-5113
244+61	60.1	30.1	24	16	12796	17901	-5106
244+86	60.5	304	57	206	12853	18108	-5255
244+96	44.7	198.4	19	120	12872	18228	-5355
245+00	43	300.7	6	47	12879	18275	-5396
245+50	37	254.5	74	668	12953	18943	-5990
245+53	32.3	294.7	3	35	12956	18978	-6022
246+00	40.1	304.8	63	683	13020	19661	-6642
246+50	40.2	379.3	74	823	13094	20485	-7391
247+00	44.4	336	78	861	13172	21346	-8174
247+50	45.7	279.6	83	741	13256	22087	-8831
248+00	40	248.6	79	636	13335	22723	-9388
248+50	31.8	191.1	66	529	13402	23252	-9850
249+00	40.9	149.2	67	410	13469	23662	-10193
249+50	49.4	133.4	84	340	13553	24002	-10449
250+00	48.2	91.4	90	271	13643	24272	-10629
250+50	41.8	69.9	83	194	13726	24467	-10740
251+00	39.7	48.9	75	143	13802	24610	-10808
251+50	35.8	30.8	70	96	13872	24705	-10834
252+00	34.1	23.9	65	66	13936	24771	-10835

CTH-P (CONT'D) EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
252+50	36.9	22.5	66	56	14002	24827	-10825
253+00	52.8	25.5	83	58	14085	24885	-10800
253+50	54.6	36.2	99	74	14185	24959	-10775
254+00	57.4	31.8	104	82	14288	25041	-10753
254+50	61.6	60.1	110	111	14399	25152	-10753
254+62	65.7	66.2	28	36	14426	25187	-10761
255+00	67.5	46.6	95	104	14521	25291	-10771
255+21	62.5	25.7	50	36	14571	25328	-10757
255+50	68.7	35.6	71	43	14642	25371	-10729
256+00	103.2	35.9	159	86	14801	25457	-10656
256+50	87.6	30.8	177	80	14977	25537	-10560
257+00	79.3	26.5	155	69	15132	25605	-10474
257+48	87.9	13.3	149	46	15281	25652	-10371
257+50	85.8	12.5	6	1	15287	25653	-10366
258+00	56.9	7	132	23	15419	25677	-10257
258+50	63.4	1.8	111	11	15531	25687	-10157
259+00	47.2	4.6	102	8	15633	25695	-10062
259+50	49	3.9	89	10	15722	25705	-9983
259+74	55.2	1	46	3	15768	25708	-9940
260+00	65.1	3.7	58	3	15826	25711	-9885
260+50	154	4.1	203	9	16029	25720	-9691
261+00	258.3	1	382	6	16411	25726	-9316
261+50	175.7	3.8	402	6	16813	25732	-8919
261+73	140.1	4.4	135	5	16947	25737	-8790
262+00	114.3	5.1	127	6	17074	25743	-8668
262+50	101.4	2.1	200	9	17274	25752	-8477
263+00	95.7	3.8	183	7	17457	25759	-8302
263+50	90.7	0.4	173	5	17629	25764	-8134
263+55	92	0.4	17	0	17646	25764	-8118
264+00	70.8	4.2	136	5	17782	25769	-7987
264+39	74.8	0.7	105	5	17887	25773	-7886
264+50	75.9	0.5	31	0	17918	25774	-7856
265+00	69.9	1.6	135	3	18053	25778	-7724
265+19	70.6	0.6	49	1	18102	25777	-7675
265+50	67.6	0.7	79	1	18181	25778	-7597
265+64	60.2	0.6	33	0	18215	25779	-7564
266+00	70	0.8	87	1	18301	25780	-7479
266+50	51.7	1.2	113	2	18414	25782	-7368
266+79	52.2	0.3	56	1	18470	25783	-7313
267+00	51.5	1.5	40	1	18510	25784	-7274
267+50	58.7	0.7	102	3	18612	25787	-7175
268+00	56.8	0.3	107	1	18719	25788	-7069
268+50	60.8	0.3	109	1	18828	25789	-6961
269+00	64.3	0.1	116	0	18944	25789	-6845
269+50	72.6	0	127	0	19071	25789	-6719
270+00	66.5	0.2	129	0	19199	25790	-6590
270+44	58.3	0	102	0	19301	25790	-6489
270+50	56.6	0	13	0	19314	25790	-6476
271+00	187.1	0.9	226	1	19540	25791	-6251
271+25	238	0	197	1	19736	25792	-6055
271+50	165.3	0.3	187	0	19923	25792	-5869
272+00	45.9	2.3	196	3	20119	25795	-5676
272+26	47.6	0.4	45	2	20164	25797	-5633
272+50	63.4	10.1	49	6	20213	25803	-5590
272+66	65.9	3.1	38	5	20251	25808	-5556
273+00	62.5	1.8	81	4	20332	25812	-5480
273+33	77	4.3	85	5	20417	25817	-5399
273+50	72.5	4.9	47	4	20464	25820	-5356
274+00	101.7	6.4	161	14	20626	25834	-5208
274+50	86.7	7.9	174	17	20800	25851	-5051
274+68	78.5	8.6	55	7	20855	25858	-5003
275+00	71.8	10.4	89	15	20944	25873	-4929
275+50	69.3	9.6	131	24	21075	25897	-4822
276+00	85.8	10.1	144	24	21219	25921	-4702
276+27	82.7	12.8	84	15	21303	25936	-4633
276+50	81.9	14.8	70	15	21373	25951	-4578
277+00	92.8	12.9	162	33	21535	25984	-4449
277+50	69.1	4.5	150	21	21685	26005	-4321
277+57	73.4	9.9	18	2	21703	26008	-4304
277+90	64.8	0	84	8	21788	26015	-4228
278+00	63.6	0	24	0	21811	26015	-4204
278+50	65.5	0	120	0	21931	26015	-4085
279+00	70.8	0	126	0	22057	26015	-3958
279+14	72.8	0	37	0	22094	26015	-3921
279+50	73.2	0	97	0	22192	26015	-3824
280+00	75.5	0	138	0	22329	26015	-3686
280+28	67.7	8.5	74	6	22404	26021	-3618
280+50	67.4	1.2	55	5	22459	26025	-3568
281+00	55.9	0	114	1	22573	26028	-3455

CTH-P (CONT'D) EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
281+50	59.9	0	107	0	22680	26028	-3348
282+00	64.6	0	115	0	22795	26028	-3232
282+12	66.5	0	29	0	22824	26028	-3203
282+50	67.8	0	95	0	22919	26028	-3109
282+77	70.1	0	69	0	22988	26028	-3040
283+00	66	0	58	0	23046	26028	-2982
283+24	59.7	0	56	0	23102	26028	-2926
283+50	59.2	0	57	0	23159	26028	-2869
283+62	57.7	0	26	0	23185	26028	-2843
284+00	62.9	0	85	0	23270	26028	-2758
284+14	63.4	0	33	0	23303	26028	-2725
284+34	69.3	0	49	0	23352	26028	-2676
284+50	72.1	0	42	0	23394	26028	-2634
284+75	71.9	0	67	0	23460	26028	-2567
285+00	71	0	66	0	23526	26028	-2501
285+50	67.1	0.5	128	1	23654	26028	-2374
285+79	70.1	0.5	74	1	23728	26029	-2301
286+00	72.5	0	55	0	23783	26029	-2246
286+50	62.7	0.4	125	0	23909	26030	-2121
287+00	64.8	0.1	118	1	24027	26030	-2004
287+46	60.3	0.2	107	0	24133	26031	-1897
287+50	59.4	0.2	9	0	24142	26031	-1889
288+00	71.2	0.6	121	1	24263	26032	-1769
288+50	68.5	0.6	129	1	24392	26033	-1641
289+00	72.2	0.9	130	2	24523	26035	-1512
289+23	71.6	0	61	0	24584	26035	-1452
289+50	71.9	0.6	72	0	24656	26036	-1380
290+00	71.4	0.8	133	2	24788	26038	-1249
290+50	60.1	0	122	1	24910	26038	-1128
291+00	68.4	1.5	119	2	25029	26040	-1011
291+50	56.1	2	115	4	25144	26045	-900
292+00	55.7	1.5	104	4	25248	26049	-801
292+50	81.9	0.1	127	2	25375	26051	-675
293+00	85.8	0.3	155	0	25531	26051	-521
293+29	87.2	0.2	93	0	25623	26051	-428
293+50	82	0.1	66	0	25689	26052	-362
293+62	86.7	0	37	0	25727	26052	-325
294+00	85.4	0	121	0	25848	26052	-204
294+46	57	0	121	0	25969	26052	-83
294+50	57.5	0	8	0	25978	26052	-74
295+00	78.8	10.5	126	13	26104	26064	40
295+30	67.5	17.7	81	20	26185	26085	100
295+50	76.9	24.3	53	20	26239	26105	134
296+00	81.9	23.4	147	57	26386	26162	223
296+47	80	25.7	141	56	26527	26218	309
296+50	79.6	25.3	9	4	26535	26222	314
297+00	82.8	30.4	150	67	26686	26289	397
297+50	80.9	34.8	152	78	26837	26367	470
298+00	66.6	0	137	42	26974	26409	565
298+50	71.8	0	128	0	27102	26409	693
299+00	69.5	1.4	131	2	27233	26411	822
299+16	210.3	1.7	82	1	27315	26412	903
299+50	155.2	7.0	232	7	27546	26419	1127
300+00	105.5	0.2	241	9	27788	26428	1360
300+10	110.9	0.0	40	0	27828	26428	1400
300+50	44.5	0.8	115	1	27943	26428	1514
301+00	49.9	0.0	87	1	28030	26429	1601
301+39	56.4	0.0	77	0	28107	26429	1678
301+50	58.4	0.0	23	0	28130	26429	1701
302+00	60.9	0.2	110	0	28241	26430	1811
302+50	67.6	0.0	119	0	28360	26430	1930
303+00	74.9	0.0	132	0	28492	26430	2062
303+50	55.8	0.0	121	0	28613	26430	2183
304+00	60.9	0.0	108	0	28721	26430	2291
304+50	80.5	0.0	131	0	28852	26430	2422
305+00	79.6	0.0	148	0	29000	26430	2570
305+50	85.8	0.0	153	0	29153	26430	2723
305+65	87.1	0.0	48	0	29201	26430	2771
306+00	81.2	0.0	109	0	29310	26430	2880
306+40	82.8	0.0	121	0	29432	26430	3002
306+50	81.0	0.0	30	0	29462	26430	3032
307+00	74.6	0.0	144	0	29606	26430	3176
307+16	74.3	0.0	44	0	29650	26430	3220
307+50	69.7	0.0	91	0	29741	26430	3311
308+00	65.5	0.0	125	0	29866	26430	3436
308+50	72.9	0.0	128	0	29994	26430	3564
309+00	71.1	0.0	133	0	30128	26430	3698
309+50	57.3	0.0	119	0	30247	26430	3817
309+51	57.3	0.0	1	0	30248	26430	3818

9

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PROJECT NO: 6350-07-77, 88 | HWY: CTH P | COUNTY: WOOD | EARTHWORK TABULATIONS | SHEET 350 | E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\090101 ew.dgn PLOT TIME : 9:35:42 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

MARSHFIELD STREET

EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
107+25	2.1	1.5					
107+50	1.6	4.7	2	4	2	4	-2
108+00	4.8	4.2	6	11	8	14	-7
108+50	64.7	0.8	64	6	72	20	52
109+00	69.5	0.2	124	1	196	22	175
109+50	87.4	0.1	145	0	342	22	320
110+00	99.5	0.7	173	1	515	23	492
110+50	120.0	2.2	203	3	718	26	691
111+00	144.9	5.2	245	9	963	35	928
111+50	219.3	0.0	337	6	1300	42	1259
111+58	231.6	51.7	67	10	1367	52	1316
112+00	224.6	11.6	355	64	1722	116	1606
112+50	278.9	11.2	466	27	2188	143	2045
113+00	333.6	12.0	567	28	2755	171	2584
113+50	160.5	8.2	458	24	3213	195	3017
114+00	134.0	0.9	273	11	3485	206	3279
114+50	133.8	0.0	248	1	3733	207	3526
115+00	141.1	0.0	255	0	3988	207	3781
115+50	128.1	0.0	249	0	4237	207	4030
116+00	104.5	0.5	215	1	4453	208	4245
116+50	122.5	49.7	210	60	4663	268	4394
117+00	281.9	0.2	374	60	5037	328	4709
117+50	467.6	72.1	694	87	5731	415	5316
118+00	577.6	65.2	968	165	6699	581	6118
118+30	220.4	48.7	437	81	7136	662	6475
118+73	1.0	65.8	176	118	7312	780	6532
CTH - P							
119+31	280.3	0.0					
119+96	283.4	35.8	678	56	7991	836	7154
120+50	240.8	22.0	527	76	8518	912	7606
120+76	235.0	0.1	232	14	8750	926	7824
121+00	209.1	7.1	195	4	8945	930	8015
121+20	260.5	7.1	177	7	9122	937	8185
121+50	164.9	4.4	233	8	9355	945	8410
122+00	140.9	5.1	283	11	9638	956	8682
122+23	154.7	0.4	127	3	9765	959	8806
122+50	126.3	1.4	139	1	9905	961	8944
122+66	125.0	29.1	74	12	9979	972	9007
122+86	146.8	0.0	98	14	10077	986	9091
123+00	123.8	4.2	73	1	10150	987	9163
123+50	121.0	5.0	227	11	10377	999	9378
124+00	116.8	8.3	220	16	10597	1015	9582
124+21	107.1	12.0	87	10	10684	1025	9659
124+56	215.0	0.0	211	10	10895	1035	9860

CTH - M

EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
10+31	188.4	0					
11+00	60.2	38	318	63	318	63	255
11+50	57.6	0	109	46	427	109	318
12+00	64.4	0	113	0	540	109	431
12+27	55.5	3.5	60	2	600	111	489
12+50	11.3	6.9	28	6	628	117	511
13+00	5.7	15.6	16	27	644	144	500
13+08	5.7	0	2	3	646	147	499

SHARED - USE PATH GRADING

EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
21+00	38.5	0					
21+25	22	8.3	28	5	28	5	23
21+50	18.3	67.4	19	46	47	51	-4
21+75	0	125.1	8	116	55	166	-111
21+79	0	141.7	0	26	55	192	-137
22+00	2.9	0	1	72	56	264	-207
22+08	3	0	1	0	57	264	-207

SCHOOL AVENUE

EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
70+17	181	0					
70+41	107.4	0	129	0	129	0	129
70+50	108.9	0.1	38	0	166	0	166
70+75	83.9	1.8	89	1	256	1	254
71+00	38.1	0	56	1	312	2	310

NORTH ROAD

EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
45+75	38.4	0.2					
46+00	32.1	12.4	33	8	33	8	25
46+50	21.4	16.6	50	35	82	42	40
47+00	2	73.1	22	108	104	150	-47
47+31	0.4	95.4	1	126	105	276	-171
47+50	0	79.6	0	80	105	356	-251
47+60	0	151.5	0	56	105	412	-307
48+00	0.8	127.6	1	269	106	681	-575
48+22	54.5	50.9	23	95	128	775	-647
48+28	54.5	50.9	12	15	141	790	-649
RR CROSSING							
48+43	73.8	5.3					
48+52	73.8	5.3	25	2	165	792	-627
48+75	49	13.6	52	10	217	803	-585
49+00	38.7	58.9	41	44	258	846	-588
49+37	178.3	0	148	52	406	898	-492
CTH P							
49+85	253.8	0					
50+16	85.8	4.6	195	3	601	902	-301
50+25	85.2	0.9	29	1	629	903	-274
50+32	88.2	0.6	22	0	652	903	-252
50+40	93.3	0.4	27	0	678	904	-225

CONNER STREET

EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
100+20	69.6	0					
100+25	44.1	0					
100+50	91.7	0	63	0	63	0	63
101+00	48.5	2.5	130	3	193	3	190
101+25	47.2	0.7	44	2	237	5	232
101+50	43.1	3.1	42	2	279	7	272
101+64	45.4	0.2	23	1	302	8	293
101+75	44.7	4.8	18	1	320	10	310
102+00	50.5	3.9	44	5	364	15	349
102+25	55.6	2.4	49	4	413	19	394

SHARED-USE PATH

EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
9+96	12.3	0					
10+13	21.1	3.6	11	2	11	2	9
10+50	8	2.4	20	5	31	7	24
11+00	21.2	0.3	27	3	58	10	48
11+50	4.5	5.4	24	7	81	17	65
12+00	0.7	16.2	5	26	86	43	43
12+50	0.1	20	1	44	87	87	1
13+00	7.02	11.54	7	38	94	124	-31
13+50	47.34	2.48	50	17	144	141	3
14+00	119.84	1.47	155	5	299	146	153
14+50	197	0.57	293	2	592	149	444
14+69	234.9	0.46	153	0	745	149	596
15+00	292.32	0	302	0	1047	149	897
15+33	301.21	0	365	0	1412	149	1262
15+41	302.8	0	84	0	1496	149	1346
STRUCTURE C-XX-XX							
16+05	538.7	0					
16+50	492.3	0	864	0	2360	149	2211
16+61	462.7	0	202	0	2562	149	2413
17+00	324.6	0	562	0	3124	149	2975
17+50	164.2	0	453	0	3577	149	3428
18+00	63.4	0	211	0	3788	149	3638
18+50	4.6	5.3	63	6	3851	156	3695
19+00	0.2	14.2	4	23	3855	179	3676
19+50	1.8	10.2	2	29	3857	209	3648
20+00	4	3.8	5	17	3862	225	3637
20+50	10.4	0	13	5	3876	230	3646
21+00	23.2	0	31	0	3907	230	3677
21+50	15.4	38	36	46	3943	276	3667
22+00	12.6	0	26	46	3968	322	3647
22+08	8.3	0	3	0	3972	322	3650

A-LINE		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Haul
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
STATION	Distance							1.00	1.30	
11+02.90	0.0	3.9	1.0	138.7	0.0	0.0	0.0	0.0	0.0	
12+00.00	97.1	7.0	1.7	100.3	19.5	4.9	429.7	19.5	558.7	-544.0
13+00.00	100.0	14.3	3.6	59.8	39.5	9.9	296.5	59.0	944.1	-899.9
14+00.00	100.0	24.8	6.2	29.5	72.4	18.1	165.3	131.4	1159.1	-1060.5
15+00.00	100.0	39.5	9.9	6.4	119.0	29.8	66.4	250.4	1245.4	-1057.6
16+00.00	100.0	73.6	18.4	0.0	209.5	52.4	11.8	459.9	1260.8	-915.9
17+00.00	100.0	111.9	28.0	0.0	343.6	85.9	0.0	803.5	1260.8	-658.2
18+00.00	100.0	128.6	32.1	0.0	445.4	111.3	0.0	1248.8	1260.8	-324.1
19+00.00	100.0	112.1	28.0	0.0	445.6	111.4	0.0	1694.4	1260.8	10.0
20+00.00	100.0	87.5	21.9	0.0	369.6	92.4	0.0	2064.0	1260.8	287.2
21+00.00	100.0	30.0	7.5	0.9	217.6	54.4	1.6	2281.7	1262.9	448.4
22+00.00	100.0	4.5	1.1	63.4	63.9	16.0	119.1	2345.6	1417.7	341.5
23+00.00	100.0	4.7	1.2	120.3	17.1	4.3	340.2	2362.7	1860.0	-88.0
23+25.00	25.0	3.5	0.9	138.7	3.8	1.0	119.9	2366.5	2015.9	-241.0
24+00.00	75.0	0.8	0.2	160.0	6.1	1.5	414.8	2372.6	2555.1	-775.7
25+00.00	100.0	0.2	0.1	168.1	2.0	0.5	607.4	2374.5	3344.7	-1563.8
26+00.00	100.0	0.3	0.1	152.9	0.9	0.2	594.3	2375.4	4117.3	-2335.7
27+00.00	100.0	2.6	0.7	130.1	5.3	1.3	524.0	2380.7	4798.5	-3013.0
28+00.00	100.0	2.5	0.6	120.8	9.5	2.4	464.6	2390.3	5402.5	-3609.8
29+00.00	100.0	2.6	0.6	42.1	9.5	2.4	301.7	2399.7	5794.7	-3994.9
30+00.00	100.0	16.5	4.1	3.7	35.3	8.8	84.8	2435.0	5904.9	-4078.7
31+00.00	100.0	74.0	18.5	0.0	167.6	41.9	6.8	2602.5	5913.7	-3961.8
32+00.00	100.0	35.4	8.8	0.0	202.6	50.6	0.0	2805.1	5913.7	-3809.9
32+66.27	66.3	27.3	6.8	0.4	76.9	19.2	0.5	2882.0	5914.4	-3752.9
33+00.00	33.7	2.4	0.6	10.5	18.6	4.6	6.8	2900.6	5923.3	-3747.8
33+07.60	7.6	2.2	0.6	13.9	0.7	0.2	3.4	2901.3	5927.7	-3751.8
33+48.94	41.3	3.0	0.8	29.9	4.0	1.0	33.5	2905.3	5971.3	-3792.3
34+00.00	51.1	5.8	1.4	37.7	8.3	2.1	63.9	2913.6	6054.3	-3869.1
34+31.60	31.6	6.7	1.7	49.0	7.3	1.8	50.7	2920.9	6120.2	-3929.5
35+00.00	68.4	2.5	0.6	98.0	11.6	2.9	186.2	2932.5	6362.2	-4162.8
35+27.62	27.6	14.1	3.5	106.6	8.5	2.1	104.7	2941.0	6498.3	-4292.5
35+34.19	6.6	18.6	4.6	106.3	4.0	1.0	25.9	2945.0	6532.0	-4323.2
36+00.00	65.8	0.0	0.0	97.7	22.6	5.7	248.6	2967.6	6855.1	-4629.4
36+48.62	48.6	17.1	4.3	227.7	15.4	3.9	293.0	2983.0	7235.9	-4998.7
37+00.00	51.4	15.9	4.0	268.3	31.4	7.9	471.9	3014.5	7849.4	-5588.6
38+00.00	100.0	3.6	0.9	304.7	36.1	9.0	1061.1	3050.6	9228.8	-6940.9
38+20.23	20.2	4.7	1.2	248.2	3.1	0.8	207.1	3053.7	9498.1	-7207.8
39+00.00	79.8	7.1	1.8	207.3	17.5	4.4	673.0	3071.2	10372.9	-8069.5
39+02.89	2.9	7.0	1.7	209.6	0.8	0.2	22.3	3072.0	10402.0	-8098.0
39+44.23	41.3	3.3	0.8	247.4	7.8	2.0	349.8	3079.8	10856.7	-8546.8
39+85.56	41.3	2.3	0.6	275.7	4.3	1.1	400.4	3084.1	11377.1	-9064.1
40+00.00	14.4	2.0	0.5	293.7	1.2	0.3	152.2	3085.3	11575.1	-9261.1
40+50.00	50.0	0.3	0.1	380.9	2.1	0.5	624.6	3087.4	12387.1	-10071.5
41+00.00	50.0	0.9	0.2	311.3	1.1	0.3	641.0	3088.4	13220.4	-10904.0
42+00.00	100.0	2.3	0.6	107.5	5.9	1.5	775.6	3094.3	14228.6	-11907.9
42+11.05	11.1	2.0	0.5	84.9	0.9	0.2	39.4	3095.2	14279.8	-11958.4
42+52.59	41.5	2.4	0.6	16.8	3.4	0.9	78.2	3098.6	14381.4	-12057.5
42+94.12	41.5	49.3	12.3	0.0	39.8	9.9	12.9	3138.4	14398.2	-12044.4
43+00.00	5.9	53.3	13.3	0.0	11.2	2.8	0.0	3149.5	14398.2	-12036.0
43+60.59	60.6	76.7	19.2	0.0	145.9	36.5	0.0	3295.4	14398.2	-11926.6

A-LINE		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Haul
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
STATION	Distance							1.00	1.30	
44+00.00	39.4	109.9	27.5	0.0	136.2	34.1	0.0	3431.6	14398.2	-11824.5
45+00.00	100.0	228.1	57.0	0.0	625.9	156.5	0.0	4057.5	14398.2	-11355.1
46+00.00	100.0	204.0	51.0	0.0	800.2	200.0	0.0	4857.7	14398.2	-10754.9
47+00.00	100.0	48.7	12.2	6.8	468.0	117.0	12.5	5325.7	14414.5	-10420.2
48+00.00	100.0	2.1	0.5	112.8	94.0	23.5	221.4	5419.7	14702.3	-10637.6
49+00.00	100.0	2.0	0.5	86.2	7.5	1.9	368.5	5427.2	15181.3	-11110.9
50+00.00	100.0	5.9	1.5	23.8	14.6	3.7	203.7	5441.8	15446.1	-11364.7
50+95.89	95.9	7.2	1.8	32.3	23.2	5.8	99.6	5465.0	15575.6	-11476.8
51+00.00	4.1	6.5	1.6	33.6	1.0	0.3	5.0	5466.1	15582.1	-11482.6
51+62.35	62.3	4.9	1.2	72.9	13.2	3.3	122.9	5479.2	15741.9	-11632.5
52+00.00	37.7	2.6	0.6	109.1	5.2	1.3	126.9	5484.4	15906.9	-11793.6
52+03.89	3.9	2.6	0.6	110.5	0.4	0.1	15.8	5484.8	15927.5	-11813.9
52+26.11	22.2	2.0	0.5	120.3	1.9	0.5	95.0	5486.7	16050.9	-11935.9
52+45.42	19.3	1.7	0.4	135.5	1.3	0.3	91.5	5488.0	16169.9	-12053.9
52+76.11	30.7	1.8	0.4	167.8	1.9	0.5	172.3	5489.9	16393.9	-12276.5
53+00.00	23.9	1.2	0.3	117.6	1.3	0.3	126.3	5491.2	16558.1	-12439.7
54+00.00	100.0	0.1	0.0	137.0	2.5	0.6	471.6	5493.7	17171.1	-13050.8
54+11.17	11.2	3.1	0.8	211.6	0.7	0.2	72.1	5494.4	17264.9	-13144.1
54+60.00	48.8	0.2	0.1	264.7	3.0	0.8	430.7	5497.4	17824.8	-13701.8
54+86.17	26.2	0.0	0.0	267.7	0.1	0.0	258.0	5497.5	18160.3	-14037.1
55+00.00	13.8	0.0	0.0	252.8	0.0	0.0	133.3	5497.5	18333.6	-14210.5
56+00.00	100.0	1.5	0.4	130.3	2.7	0.7	709.4	5500.2	19255.8	-15130.6
56+03.45	3.4	1.6	0.4	124.9	0.2	0.0	16.3	5500.4	19276.9	-15151.6
56+44.78	41.3	2.3	0.6	87.7	3.0	0.7	162.8	5503.4	19488.6	-15361.0
56+86.11	41.3	2.1	0.5	82.5	3.4	0.8	130.3	5506.8	19658.0	-15527.9
57+00.00	13.9	1.5	0.4	85.4	0.9	0.2	43.2	5507.7	19714.1	-15583.3
57+68.78	68.8	2.2	0.5	100.3	4.6	1.2	236.5	5512.3	20021.5	-15887.3
58+00.00	31.2	1.9	0.5	99.6	2.3	0.6	115.5	5514.7	20171.7	-16035.7
59+00.00	100.0	2.5	0.6	90.0	8.1	2.0	351.1	5522.7	20628.1	-16486.1
59+94.96	95.0	2.9	0.7	68.2	9.4	2.4	278.3	5532.2	20989.9	-16840.7
60+00.00	5.0	2.4	0.6	67.6	0.5	0.1	12.7	5532.6	21006.3	-16856.9
60+77.62	77.6	1.7	0.4	99.7	5.9	1.5	240.4	5538.5	21318.9	-17165.0
61+00.00	22.4	1.9	0.5	62.6	1.5	0.4	67.2	5540.0	21406.2	-17251.3
61+18.96	19.0	1.8	0.5	55.2	1.3	0.3	41.4	5541.2	21460.0	-17304.1
61+60.29	41.3	3.2	0.8	37.5	3.9	1.0	71.0	5545.1	21552.2	-17393.4
62+00.00	39.7	3.8	0.9	43.2	5.2	1.3	59.3	5550.3	21629.4	-17466.7
62+78.10	78.1	4.6	1.1	23.8	12.1	3.0	96.8	5562.4	21755.3	-17583.5
63+00.00	21.9	6.0	1.5	24.7	4.3	1.1	19.7	5566.7	21780.8	-17605.8
63+20.04	20.0	5.5	1.4	30.6	4.2	1.1	20.5	5570.9	21807.5	-17629.3
63+61.37	41.3	6.1	1.5	44.2	8.9	2.2	57.3	5579.8	21882.0	-17697.2
64+00.00	38.6	5.8	1.4	53.9	8.5	2.1	70.2	5588.3	21973.2	-17782.0
64+44.04	44.0	8.2	2.1	66.1	11.4	2.9	97.8	5599.7	22100.4	-17900.6
65+00.00	56.0	12.4	3.1	73.5	21.3	5.3	144.6	5621.0	22288.5	-18072.7
66+00.00	100.0	9.4	2.4	87.0	40.3	10.1	297.2	5661.3	22674.8	-18428.8
66+67.22	67.2	6.8	1.7	81.3	20.2	5.1	209.4	5681.5	22947.0	-18685.9
67+00.00	32.8	4.5	1.1	74.1	6.9	1.7	94.3	5688.4	23069.7	-18803.3
67+23.09	23.1	3.5	0.9	69.3	3.4	0.9	61.3	5691.8	23149.3	-18880.4

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C-LINE		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Haul
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.30	
STATION	Distance									
201+00.00	0.0	323.5	80.9	0.0						
201+44.34	44.3	370.9	92.7	0.0	570.2	142.5	0.0	570.2	0.0	427.6
201+60.00	15.7	318.9	79.7	0.0	200.1	50.0	0.0	770.2	0.0	577.7
202+00.00	40.0	136.1	34.0	0.0	337.1	84.3	0.0	1107.3	0.0	830.4
202+25.00	25.0	46.4	11.6	7.4	84.5	21.1	3.4	1191.8	4.5	889.4
203+00.00	75.0	13.2	3.3	22.3	82.8	20.7	41.2	1274.6	58.1	897.9
204+00.26	100.3	5.6	1.4	88.8	34.9	8.7	206.2	1309.5	326.1	656.0
204+30.60	30.3	10.7	2.7	93.0	9.1	2.3	102.1	1318.6	458.9	530.1
205+00.00	69.4	6.9	1.7	13.5	22.5	5.6	136.9	1341.2	636.8	369.1
206+00.00	100.0	4.5	1.1	25.3	21.1	5.3	72.0	1362.2	730.2	291.4
206+44.73	44.7	2.0	0.5	46.1	5.4	1.3	59.1	1367.6	807.1	218.6
206+45.84	1.1	0.1	0.0	27.4	0.0	0.0	1.5	1367.6	809.0	216.7

D-LINE		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Haul
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.30	
STATION	Distance									
300+70.53	0.0	35.2	8.8	137.5	0.0	0.0	0.0	0.0	0.0	
301+00.00	29.5	30.4	7.6	137.4	35.8	8.9	150.0	35.8	195.1	-168.2
301+01.85	1.8	30.6	7.7	135.4	2.1	0.5	9.3	37.9	207.2	-178.8
301+43.18	41.3	36.8	9.2	90.2	51.5	12.9	172.7	89.4	431.7	-364.6
301+50.00	6.8	39.1	9.8	87.8	9.6	2.4	22.5	99.0	460.9	-386.7
301+84.51	34.5	49.7	12.4	58.0	56.7	14.2	93.2	155.7	582.0	-465.2
302+00.00	15.5	50.7	12.7	46.9	28.8	7.2	30.1	184.5	621.1	-482.7
302+87.70	87.7	74.2	18.6	0.8	202.9	50.7	77.4	387.5	721.8	-431.2
303+00.00	12.3	76.1	19.0	0.3	34.2	8.6	0.3	421.7	722.1	-405.9
303+29.03	29.0	78.5	19.6	0.0	83.1	20.8	0.2	504.8	722.4	-343.8
303+50.00	21.0	94.5	23.6	0.0	67.2	16.8	0.0	572.0	722.4	-293.4
303+70.37	20.4	82.6	20.7	0.0	66.8	16.7	0.0	638.8	722.4	-243.3
304+00.00	29.6	75.0	18.7	0.0	86.5	21.6	0.0	725.3	722.4	-178.4
304+11.70	11.7	73.5	18.4	0.0	32.2	8.0	0.0	757.4	722.4	-154.3
304+53.04	41.3	66.4	16.6	0.0	107.0	26.8	0.0	864.5	722.4	-74.0
305+00.00	47.0	80.4	20.1	0.0	127.6	31.9	0.0	992.1	722.4	21.7
305+50.00	50.0	35.2	8.8	0.0	107.0	26.8	0.0	1099.1	722.4	102.0
313+25.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
313+62.44	37.4	28.0	7.0	7.9	19.4	4.9	5.5	19.4	7.1	7.4
314+00.00	37.6	27.4	6.9	0.0	38.5	9.6	5.5	57.9	14.3	29.2
314+70.00	70.0	75.5	18.9	0.0	133.4	33.4	0.0	191.3	14.3	129.2
315+00.00	30.0	130.2	32.6	0.0	114.3	28.6	0.0	305.6	14.3	215.0
315+22.39	22.4	146.7	36.7	0.0	114.8	28.7	0.0	420.4	14.3	301.1
315+45.54	23.2	116.8	29.2	0.0	113.0	28.2	0.0	533.4	14.3	385.8
315+68.69	23.1	109.6	27.4	0.0	97.1	24.3	0.0	630.5	14.3	458.6
316+00.00	31.3	77.7	19.4	11.5	108.6	27.1	6.7	739.1	22.9	531.4
316+32.44	32.4	40.0	10.0	39.1	70.7	17.7	30.4	809.7	62.5	544.8

E-LINE		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Haul
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
STATION	Distance							1.00	1.30	
400+71.77	0.0	1.2	0.3	234.5	0.0	0.0	0.0	0.0	0.0	
401+00.00	28.2	0.2	0.0	317.8	0.7	0.2	288.7	0.7	375.3	-374.8
401+09.50	9.5	0.0	0.0	360.3	0.0	0.0	119.3	0.7	530.4	-529.9
401+26.84	17.3	0.3	0.1	355.7	0.1	0.0	229.9	0.8	829.3	-828.7
402+00.00	73.2	3.8	1.0	234.8	5.5	1.4	799.9	6.3	1869.3	-1864.5
403+00.00	100.0	7.7	1.9	160.0	21.2	5.3	731.0	27.5	2819.5	-2798.9
403+99.10	99.1	1.5	0.4	299.8	16.8	4.2	843.8	44.3	3916.5	-3883.3
404+00.00	0.9	1.5	0.4	300.5	0.0	0.0	10.0	44.3	3929.5	-3896.3
404+40.35	40.3	7.4	1.8	245.4	6.6	1.7	407.9	51.0	4459.8	-4421.6
404+81.60	41.3	7.0	1.8	259.6	11.0	2.8	385.8	62.0	4961.4	-4914.9
405+00.00	18.4	5.3	1.3	267.7	4.2	1.1	179.7	66.2	5195.0	-5145.3
405+39.35	39.3	3.6	0.9	255.6	6.5	1.6	381.3	72.7	5690.7	-5636.2
405+65.34	26.0	5.0	1.3	226.8	4.1	1.0	232.2	76.8	5992.5	-5934.9
405+91.32	26.0	6.9	1.7	197.4	5.7	1.4	204.1	82.5	6257.8	-6195.9
406+00.00	8.7	7.7	1.9	179.0	2.3	0.6	60.5	84.9	6336.5	-6272.8
406+49.07	49.1	7.3	1.8	85.9	13.6	3.4	240.8	98.5	6649.5	-6575.6
406+90.32	41.3	17.9	4.5	32.7	19.3	4.8	90.6	117.7	6767.3	-6678.9
407+00.00	9.7	21.0	5.3	24.7	7.0	1.7	10.3	124.7	6780.6	-6687.1
407+31.57	31.6	38.3	9.6	2.2	34.7	8.7	15.7	159.4	6801.0	-6681.5
407+50.34	18.8	37.8	9.4	3.2	26.4	6.6	1.9	185.8	6803.5	-6664.1
407+91.59	41.3	23.4	5.8	15.8	46.7	11.7	14.5	232.5	6822.3	-6648.0
408+00.00	8.4	20.3	5.1	22.5	6.8	1.7	6.0	239.3	6830.1	-6650.6
408+32.84	32.8	23.0	5.8	28.4	26.3	6.6	31.0	265.6	6870.3	-6671.1
408+90.59	57.8	15.7	3.9	40.3	41.4	10.3	73.5	307.0	6965.8	-6735.6
409+00.00	9.4	15.9	4.0	37.0	5.5	1.4	13.5	312.5	6983.3	-6749.0
409+74.92	74.9	5.8	1.4	68.1	30.0	7.5	145.8	342.5	7172.9	-6916.0
409+99.67	24.8	6.4	1.6	59.0	5.6	1.4	58.2	348.1	7248.6	-6987.6
410+40.92	41.3	8.0	2.0	51.6	11.0	2.7	84.4	359.1	7358.4	-7089.1
410+82.17	41.3	8.3	2.1	45.2	12.4	3.1	73.9	371.5	7454.5	-7175.9
411+00.00	17.8	7.6	1.9	47.0	5.2	1.3	30.4	376.7	7494.1	-7211.6
411+98.63	98.6	11.8	2.9	36.5	35.3	8.8	152.6	412.0	7692.5	-7383.5
413+00.00	101.4	9.0	2.2	32.7	38.9	9.7	130.0	450.9	7861.4	-7523.3
413+30.63	30.6	6.8	1.7	62.1	8.9	2.2	53.8	459.8	7931.3	-7586.5
414+00.00	69.4	4.4	1.1	41.7	14.3	3.6	133.3	474.1	8104.6	-7749.0
415+00.00	100.0	61.6	15.4	2.2	122.1	30.5	81.2	596.2	8210.2	-7763.0
416+00.00	100.0	63.0	15.8	1.7	230.7	57.7	7.2	826.9	8219.6	-7599.4
417+00.00	100.0	13.4	3.3	32.9	141.5	35.4	63.9	968.4	8302.7	-7576.4
418+00.00	100.0	22.7	5.7	12.7	66.7	16.7	84.4	1035.1	8412.4	-7636.0
419+00.00	100.0	120.2	30.1	11.0	264.6	66.2	43.9	1299.8	8469.5	-7494.7
419+73.72	73.7	145.5	36.4	6.7	362.7	90.7	24.1	1662.5	8500.8	-7254.0
420+00.00	26.3	163.2	40.8	6.8	150.2	37.5	6.5	1812.7	8509.3	-7149.8
420+03.01	3.0	161.8	40.4	0.0	18.1	4.5	0.4	1830.8	8509.8	-7136.8
420+15.05	12.0	161.7	40.4	0.0	72.1	18.0	0.0	1902.9	8509.8	-7082.7
420+56.38	41.3	145.4	36.3	0.0	235.0	58.8	0.0	2137.9	8509.8	-6906.4
421+00.00	43.6	124.5	31.1	0.7	218.0	54.5	0.6	2355.9	8510.6	-6743.6
421+08.84	8.8	129.7	32.4	14.9	41.6	10.4	2.5	2397.5	8513.9	-6715.7
421+39.05	30.2	139.9	35.0	13.2	150.8	37.7	15.7	2548.4	8534.3	-6623.0
421+87.80	48.8	184.7	46.2	0.0	293.1	73.3	11.9	2841.4	8549.8	-6418.7

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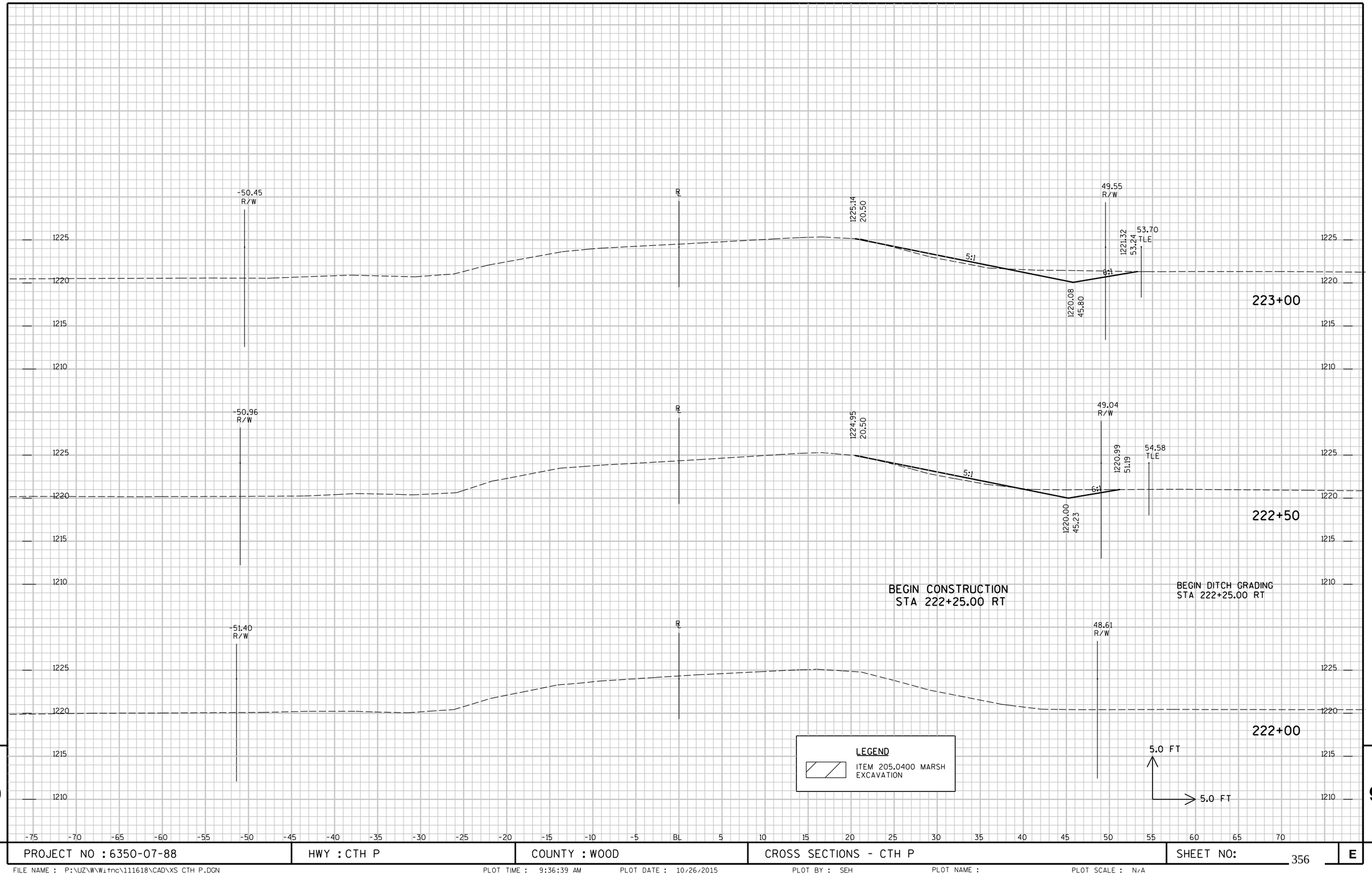
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PROJECT NO:6350-07-77 | HWY:USH 10 FRONTAGE ROAD | COUNTY:WOOD | EARTHWORK DATA | SHEET 355 | E

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LAYOUT NAME - 090104_EW

PLOT DATE : 10/14/2015 10:53 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

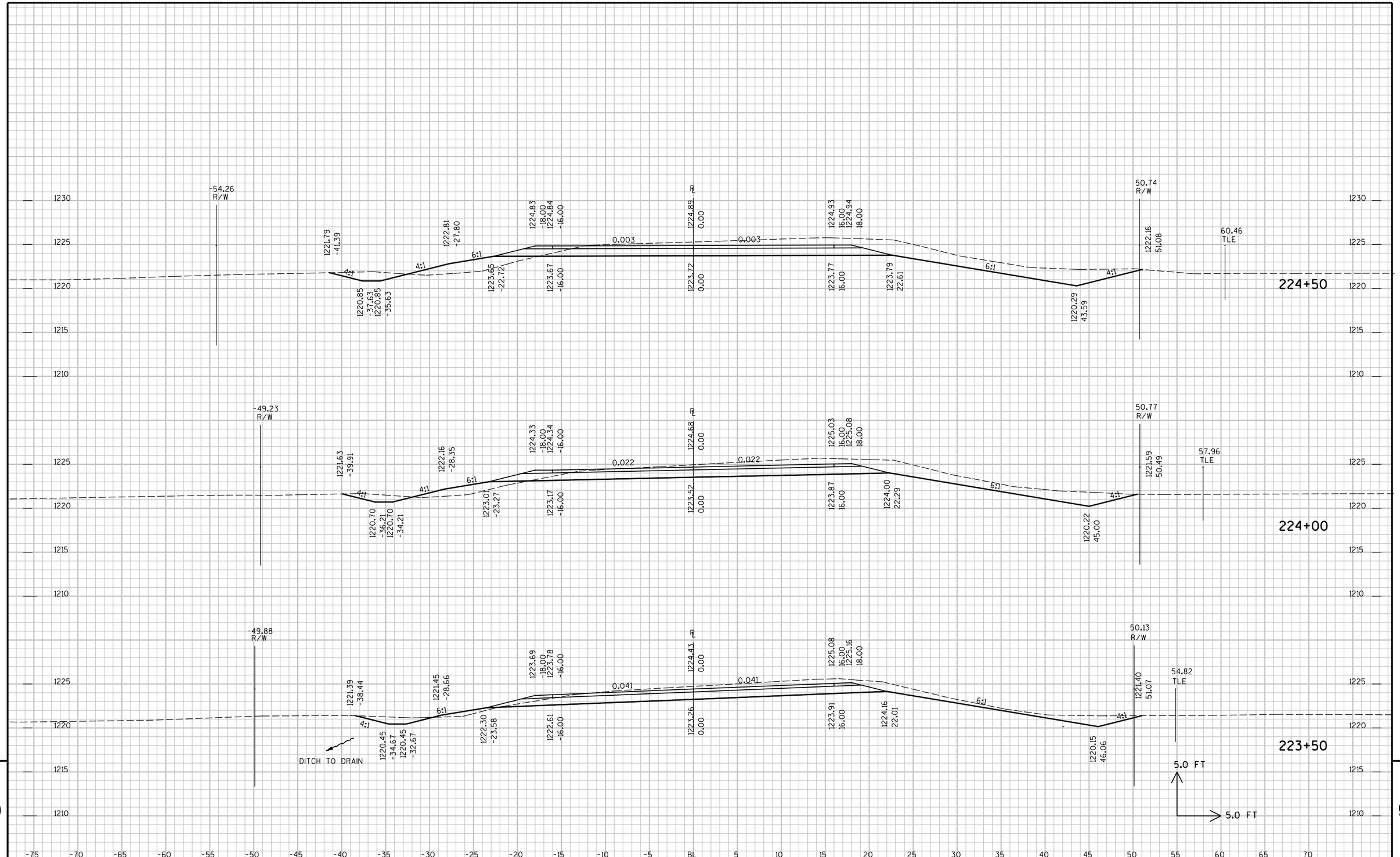
WISDOT/CADDS SHEET 49



9 9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 356	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:39 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

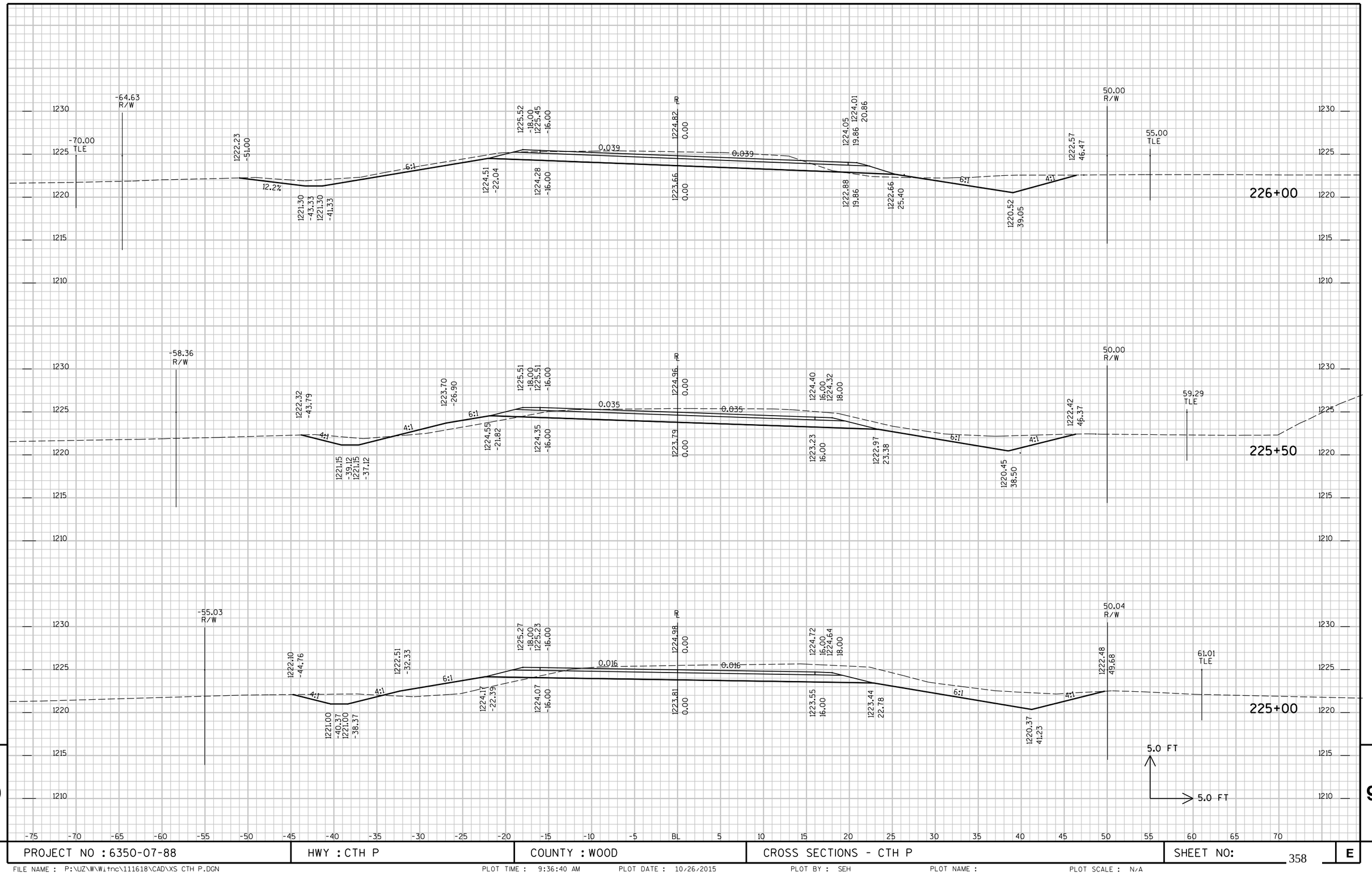


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 357	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:40 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

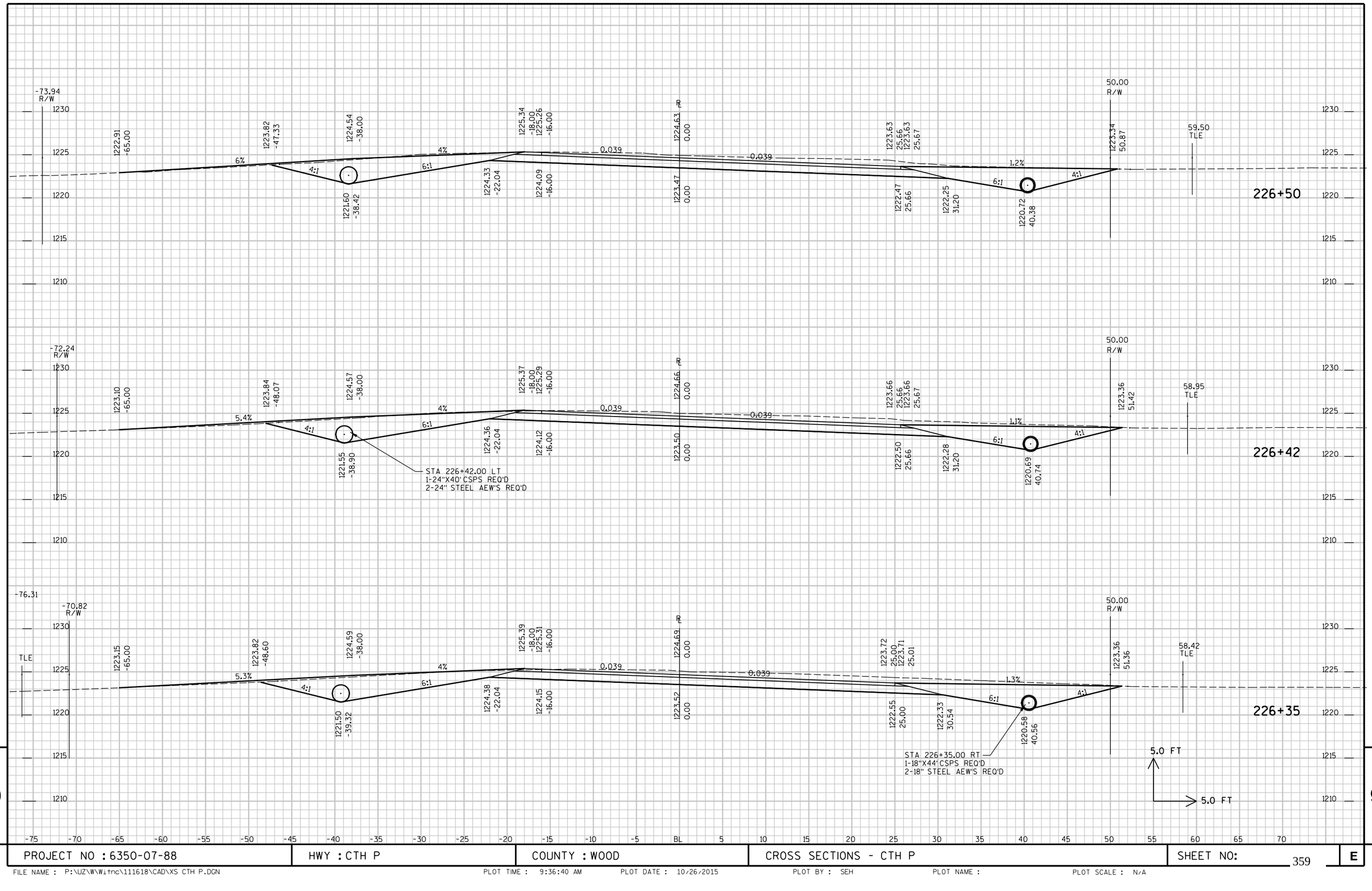


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 358	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:40 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

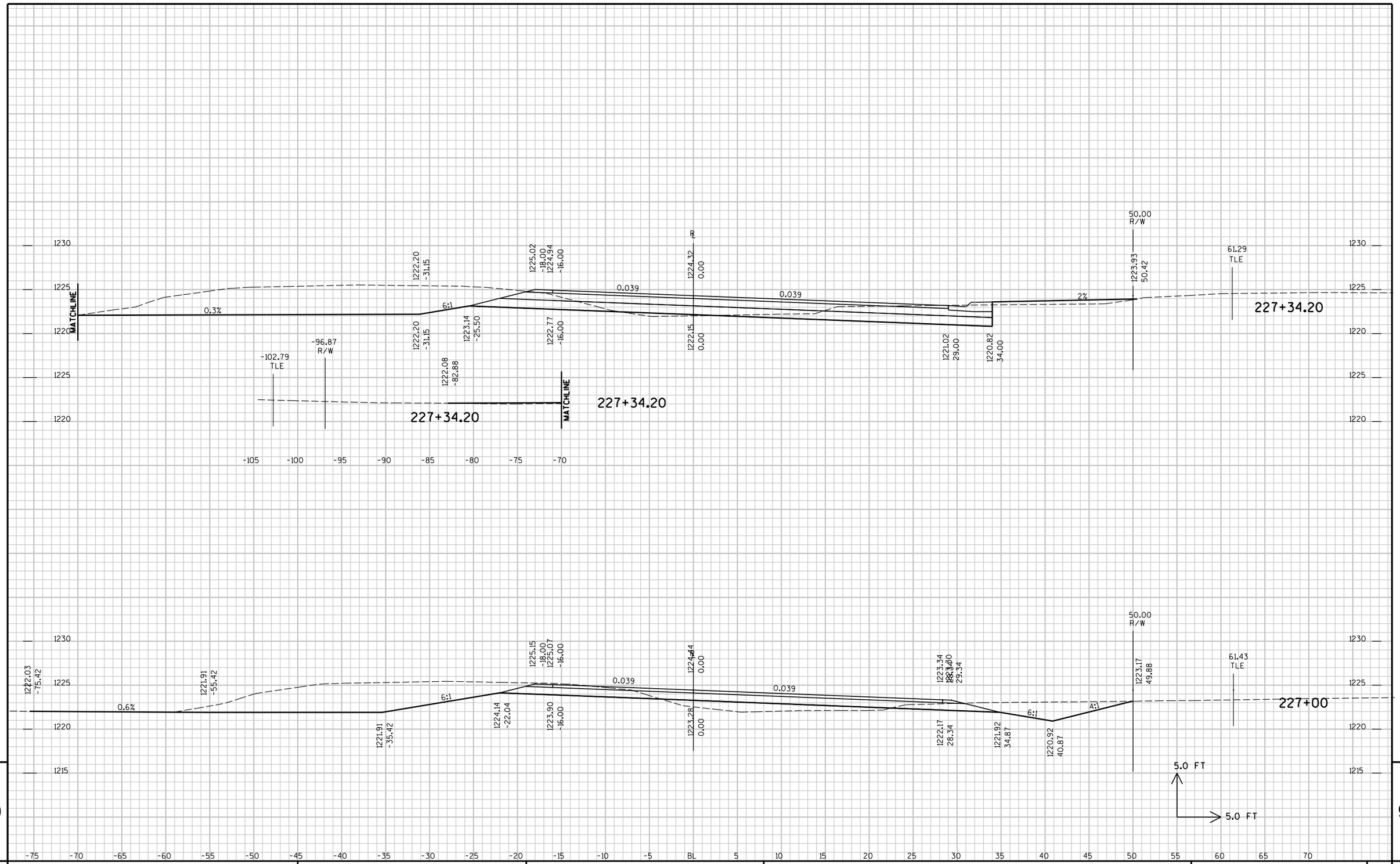


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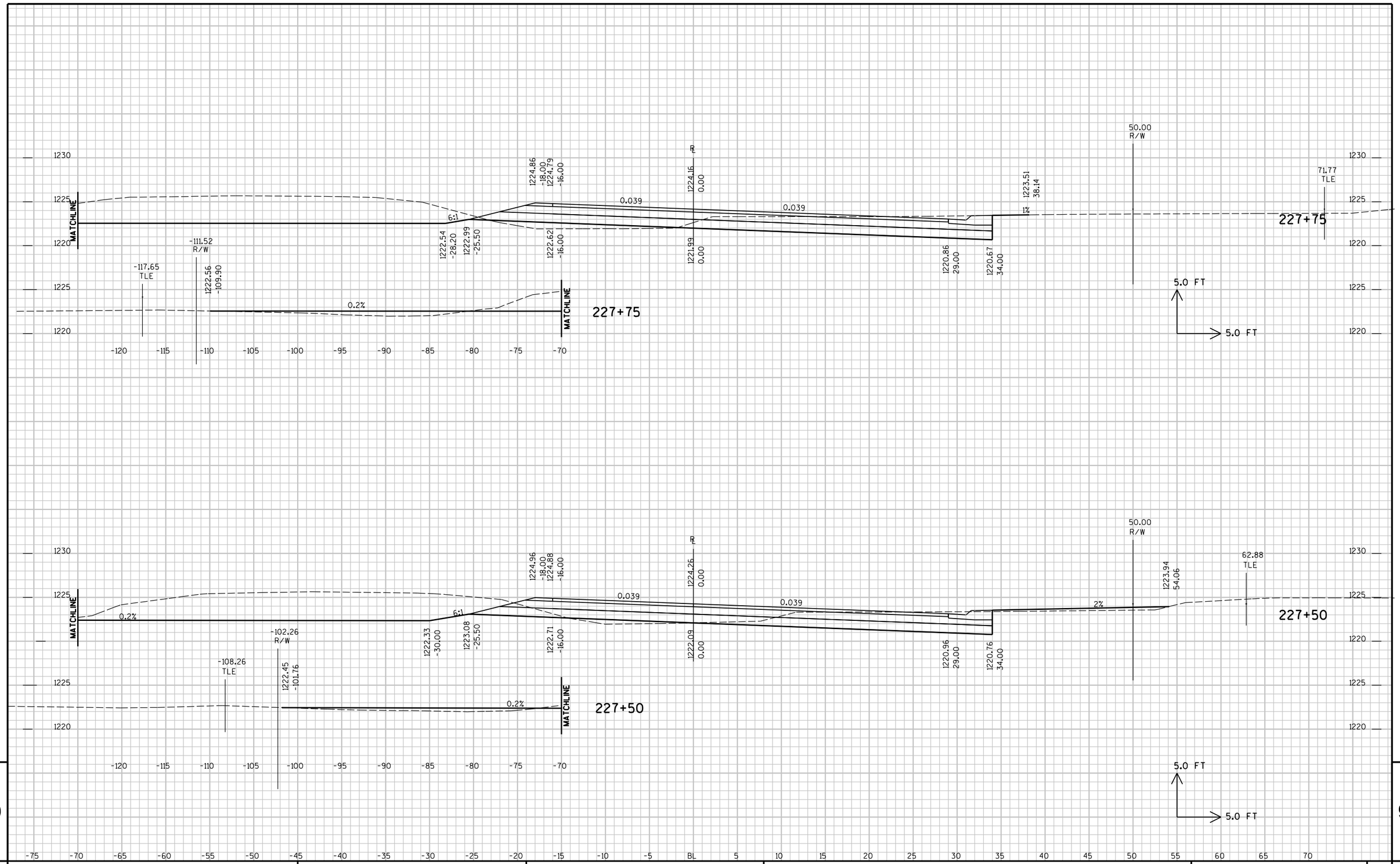
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FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:40 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 360	E

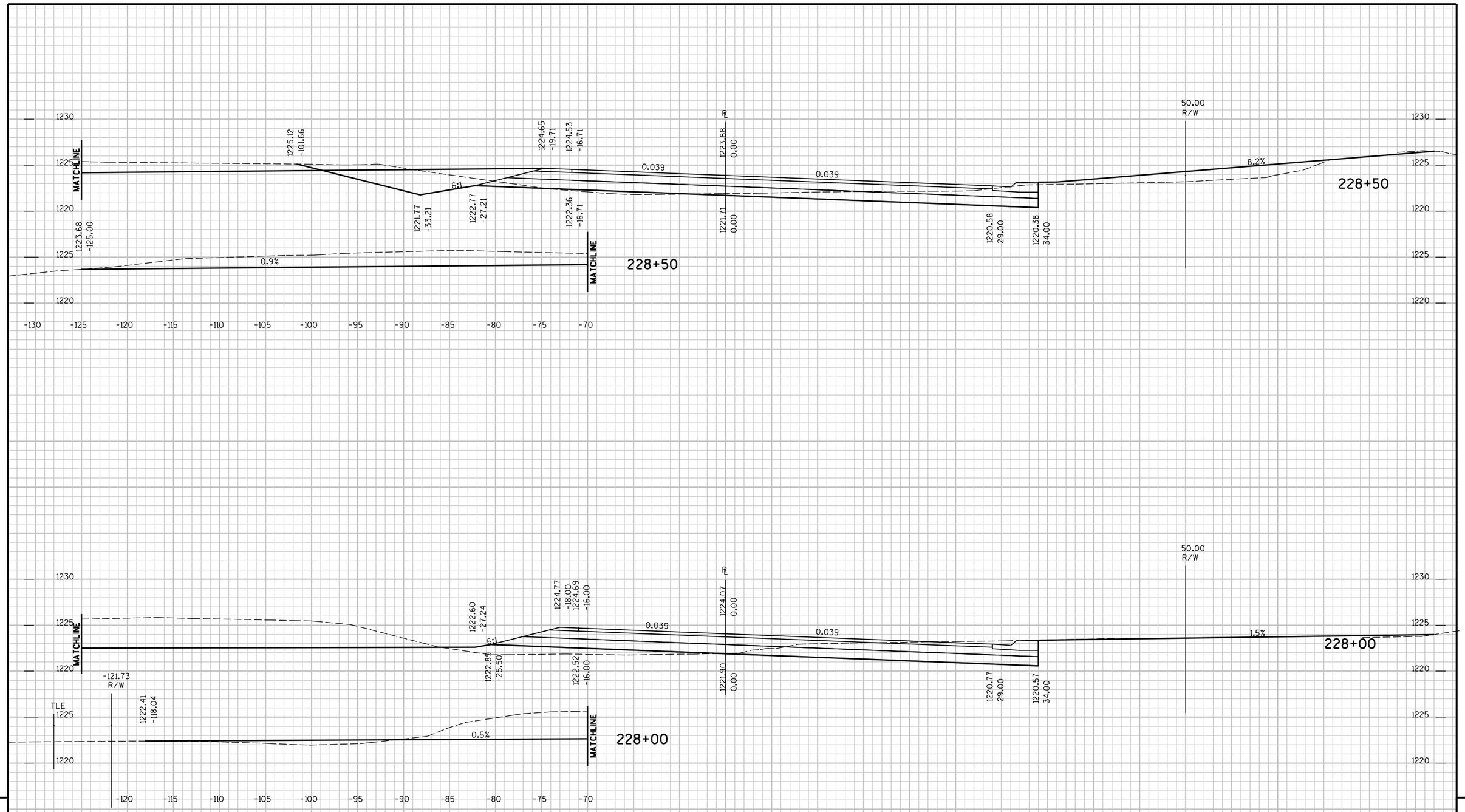
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9 9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 361	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:40 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

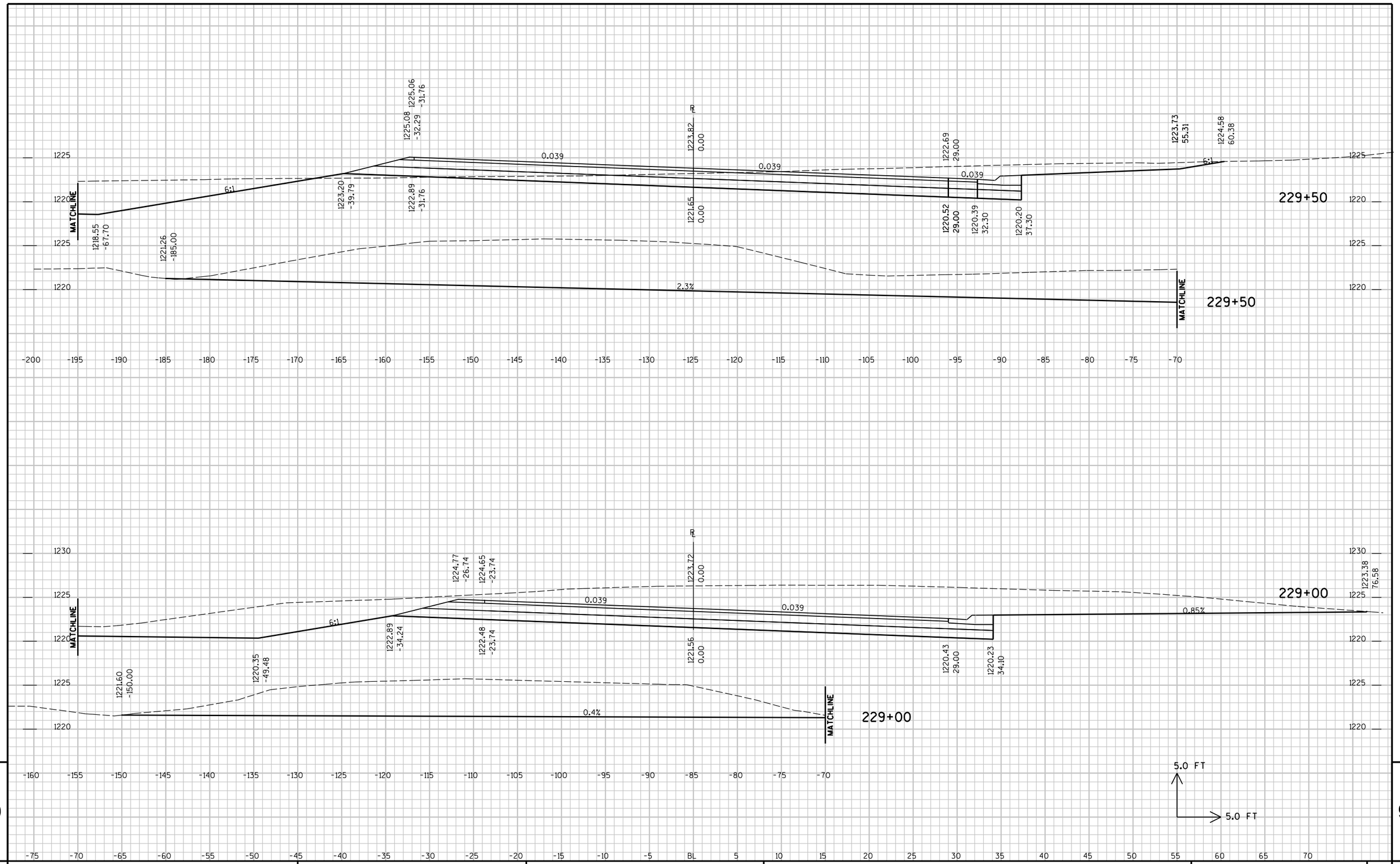


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 362	E

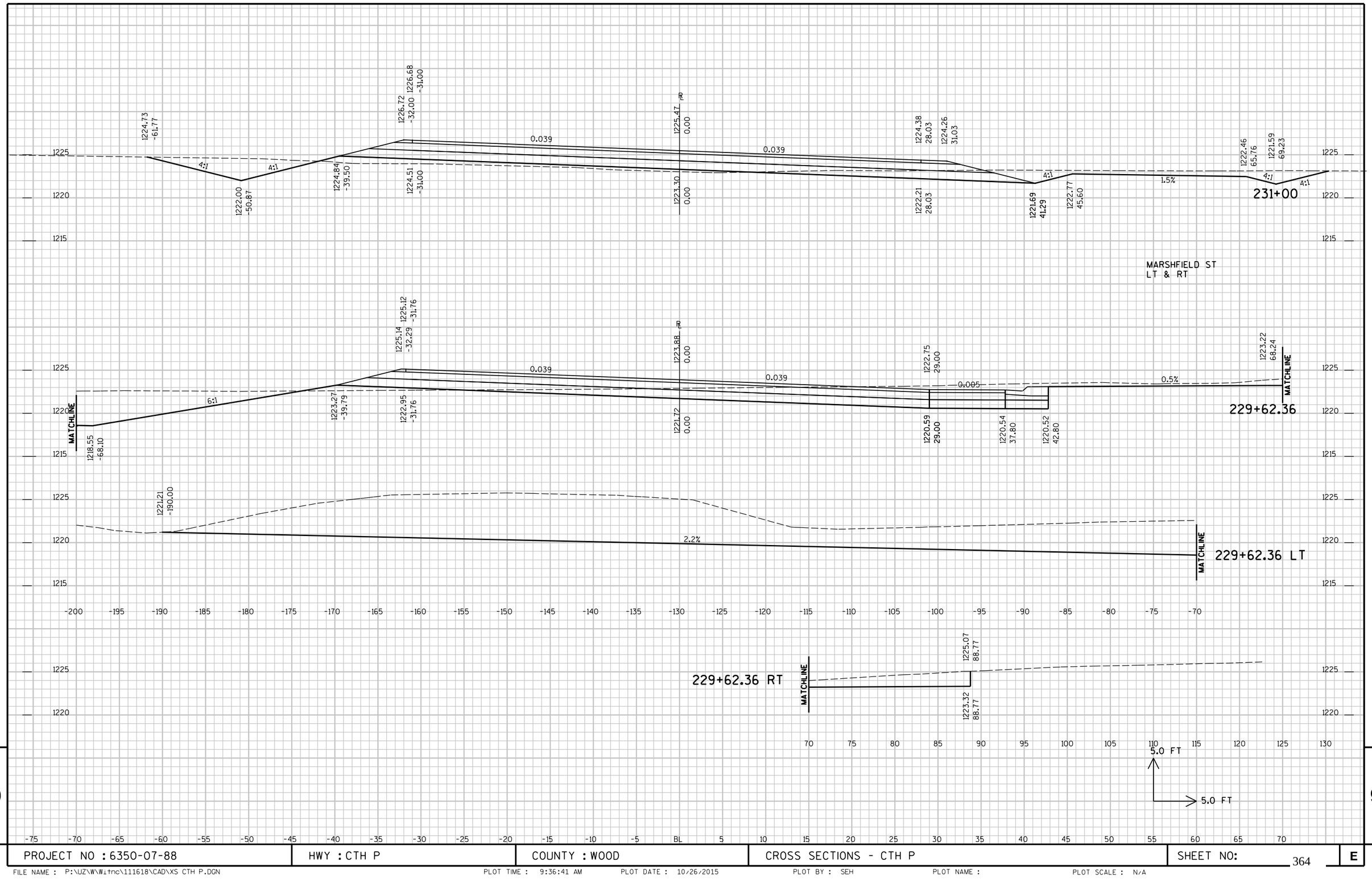
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9 9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 363	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:40 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

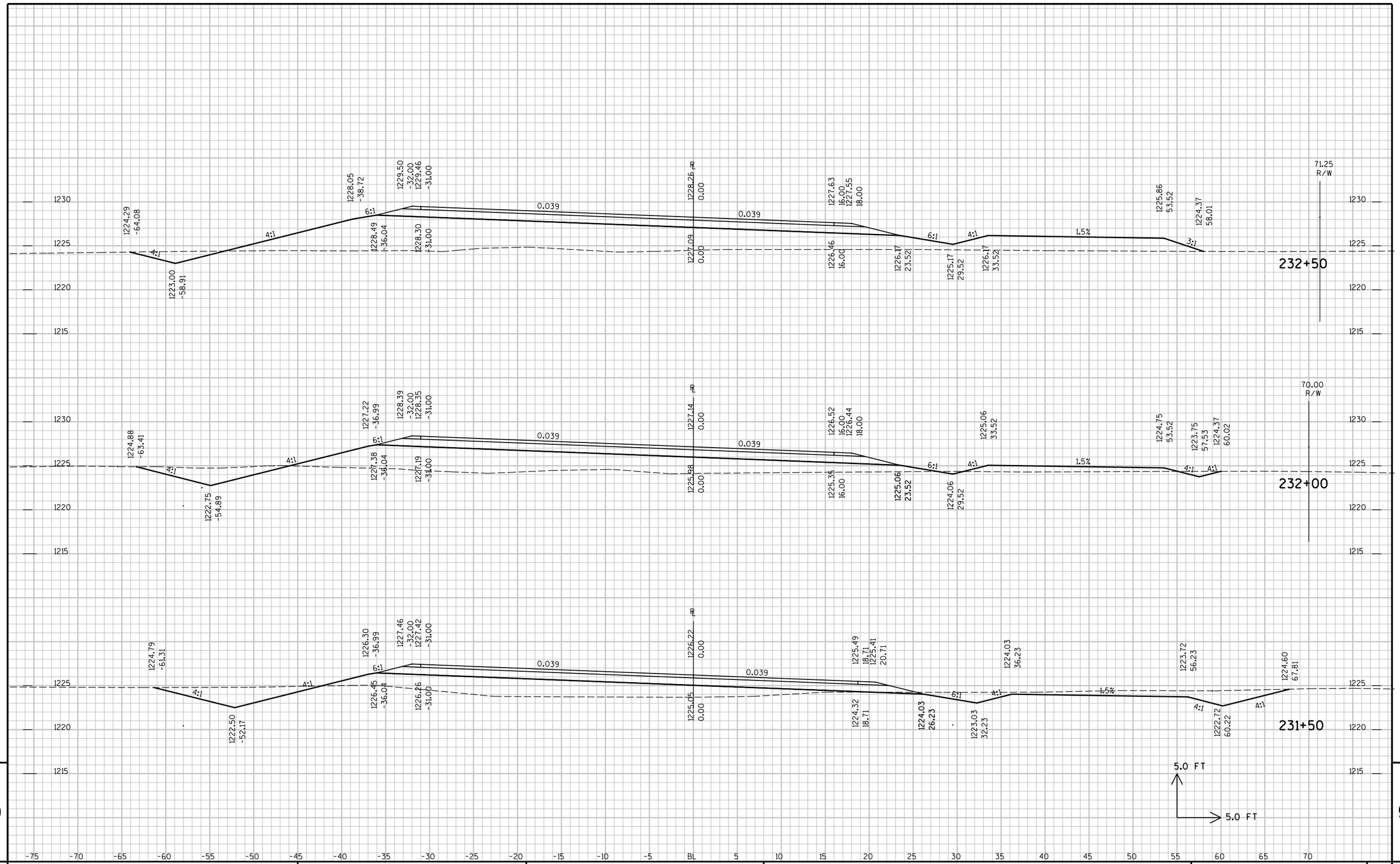


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 364	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:41 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

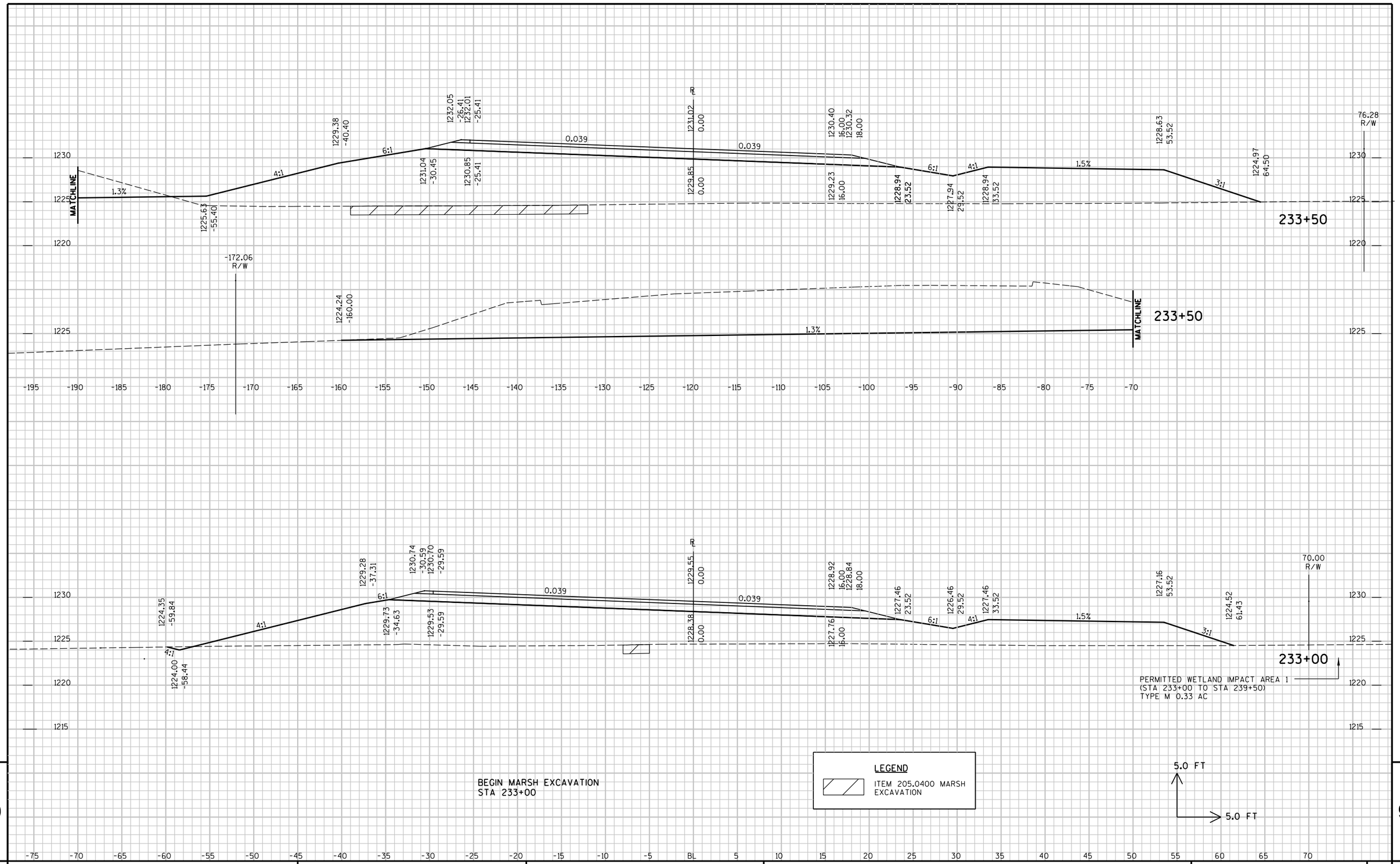


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 365	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:41 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

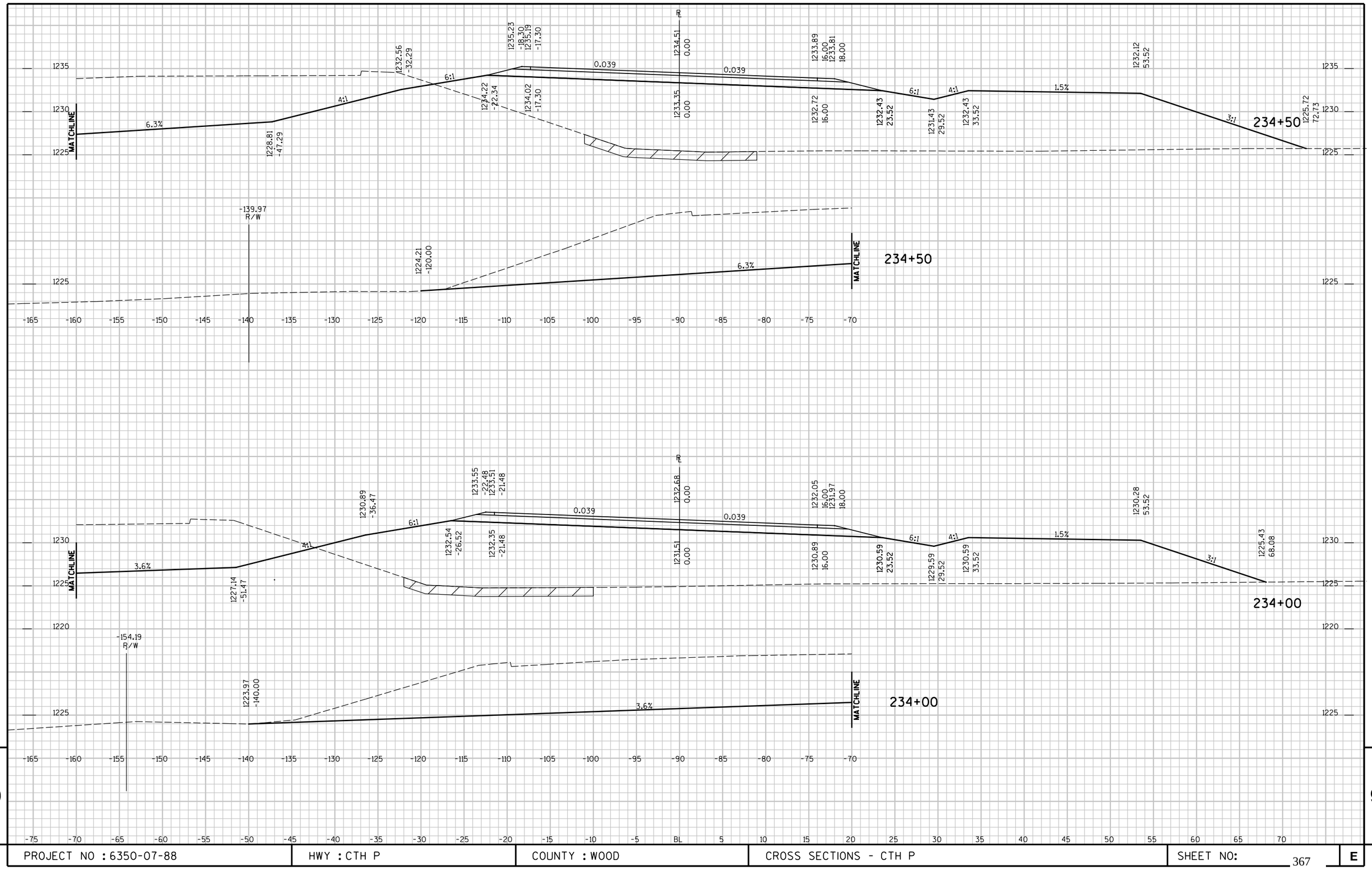


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 366	E

FILE NAME : P:\UZ\W\Wi1nc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:41 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

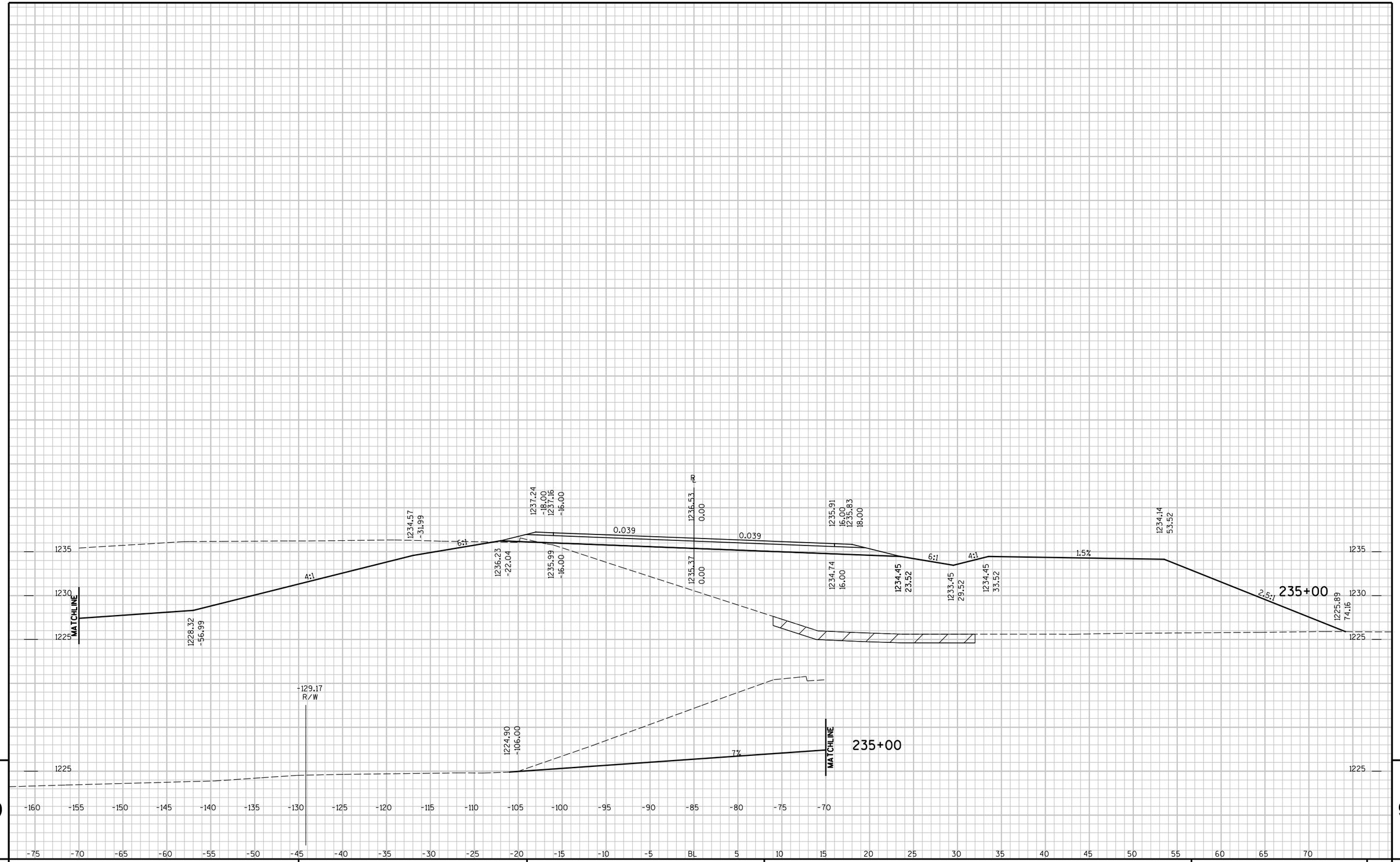


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 367	E

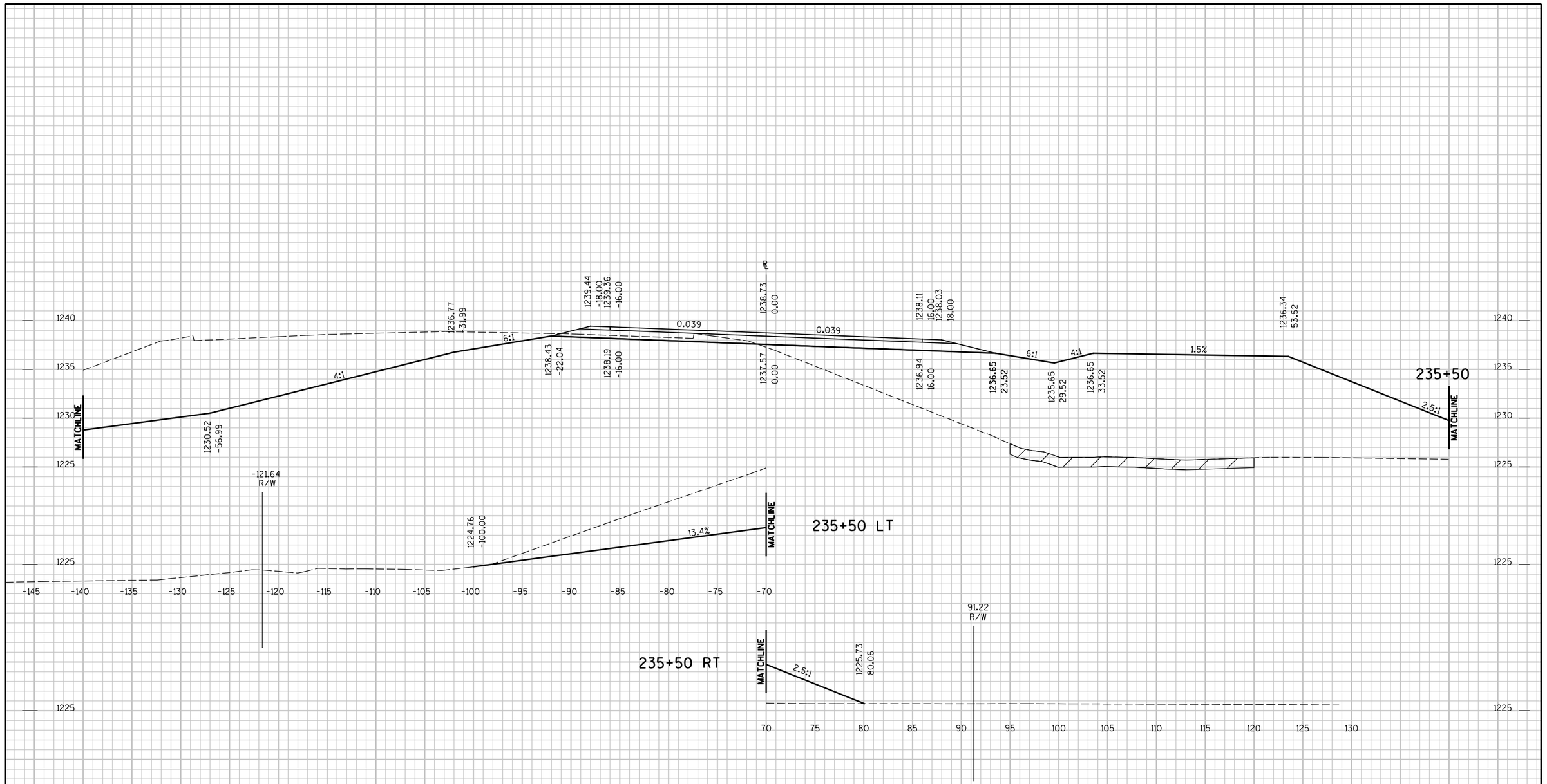
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9 9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 368	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:41 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

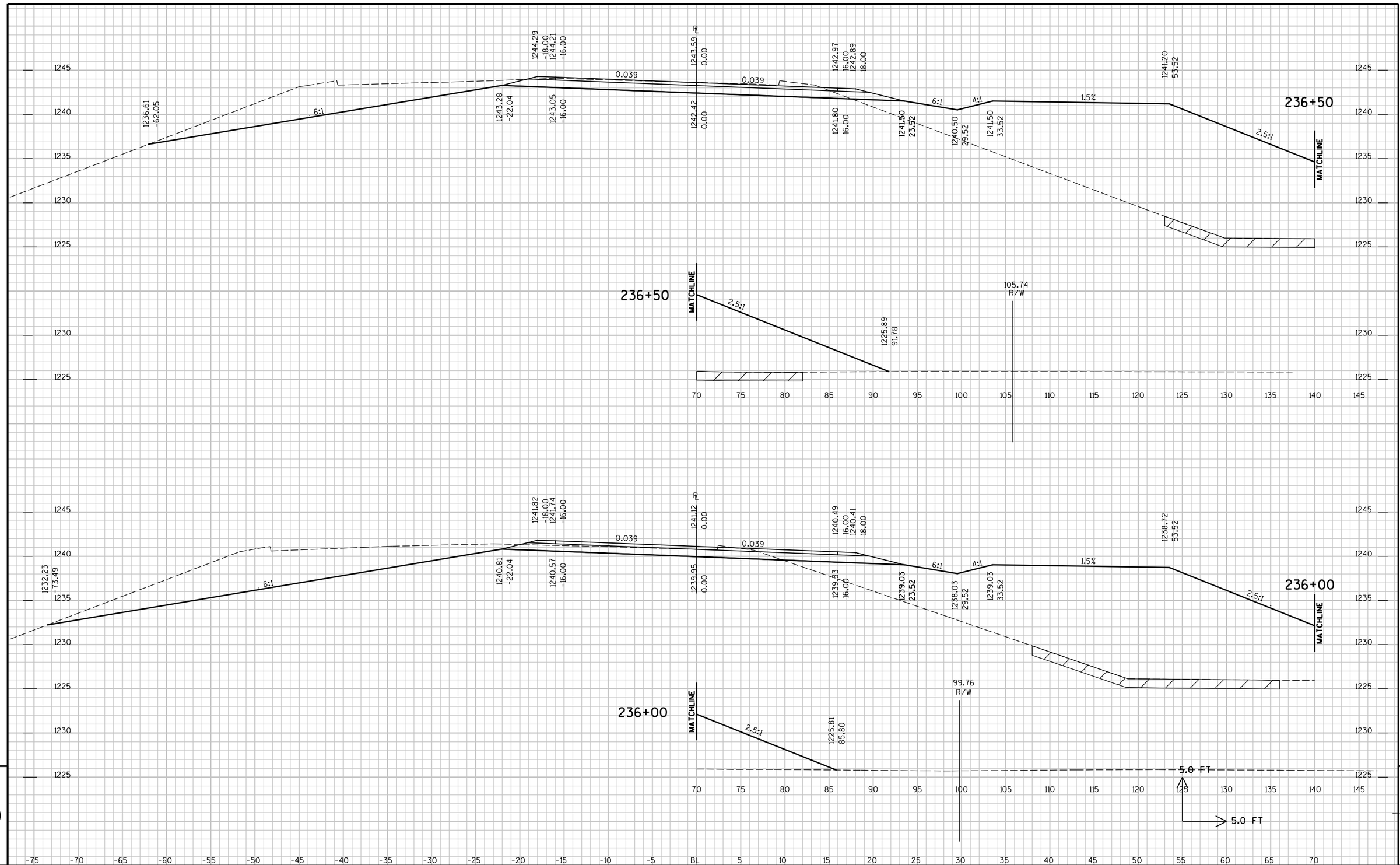


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9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 369	E

FILE NAME : P:\UZ\W\Wi1nc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:41 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

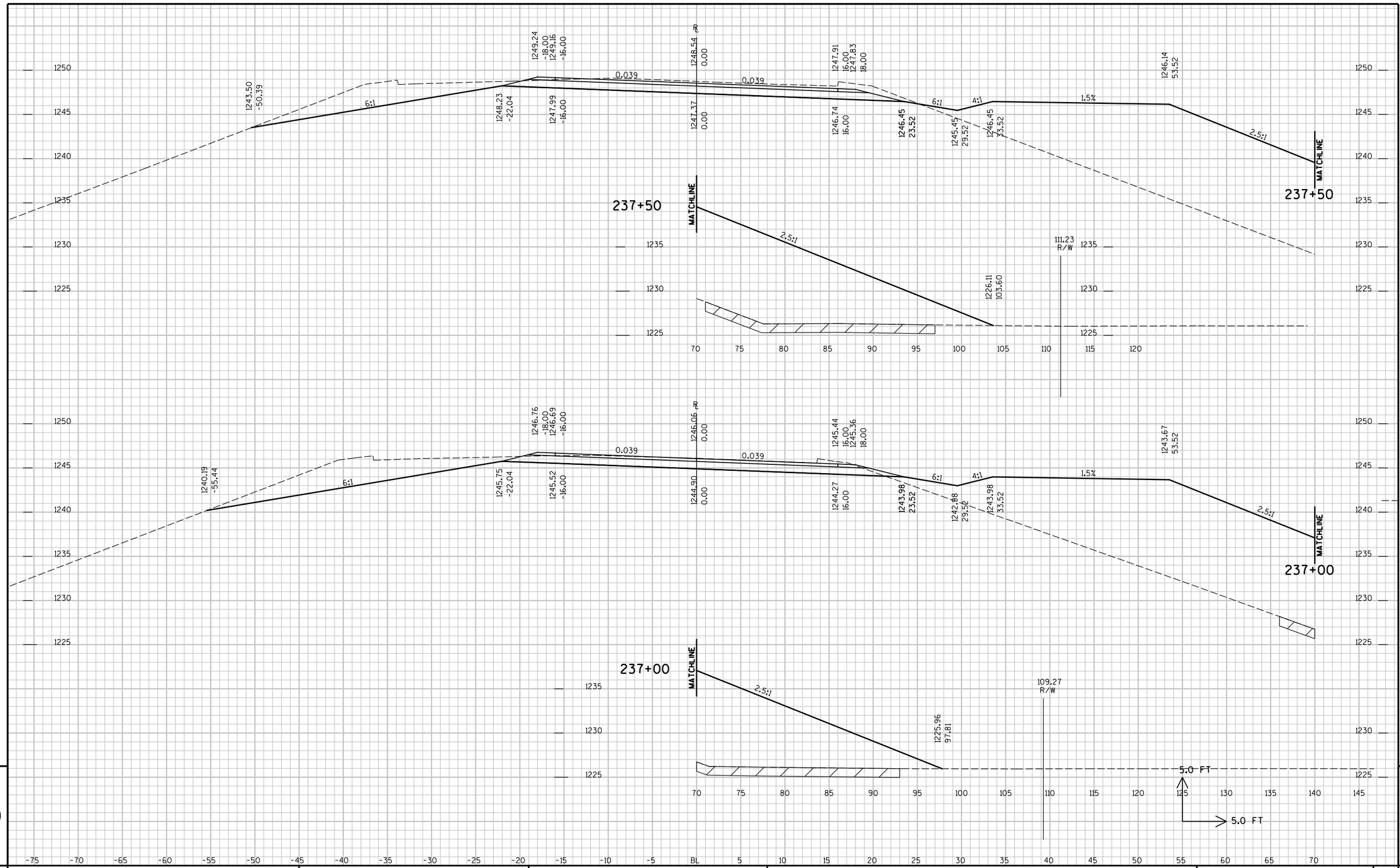


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 370	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:42 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

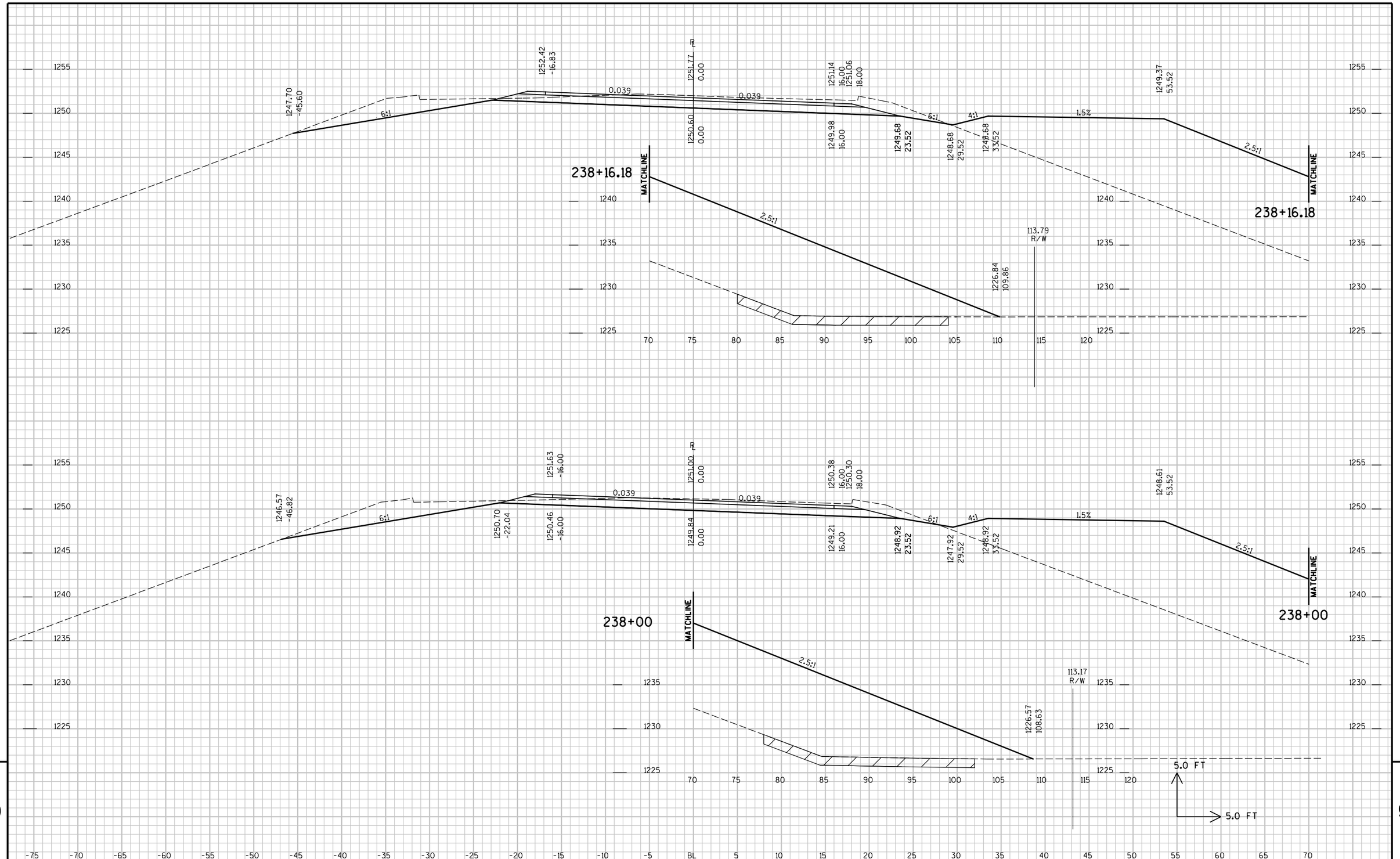


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 371	E

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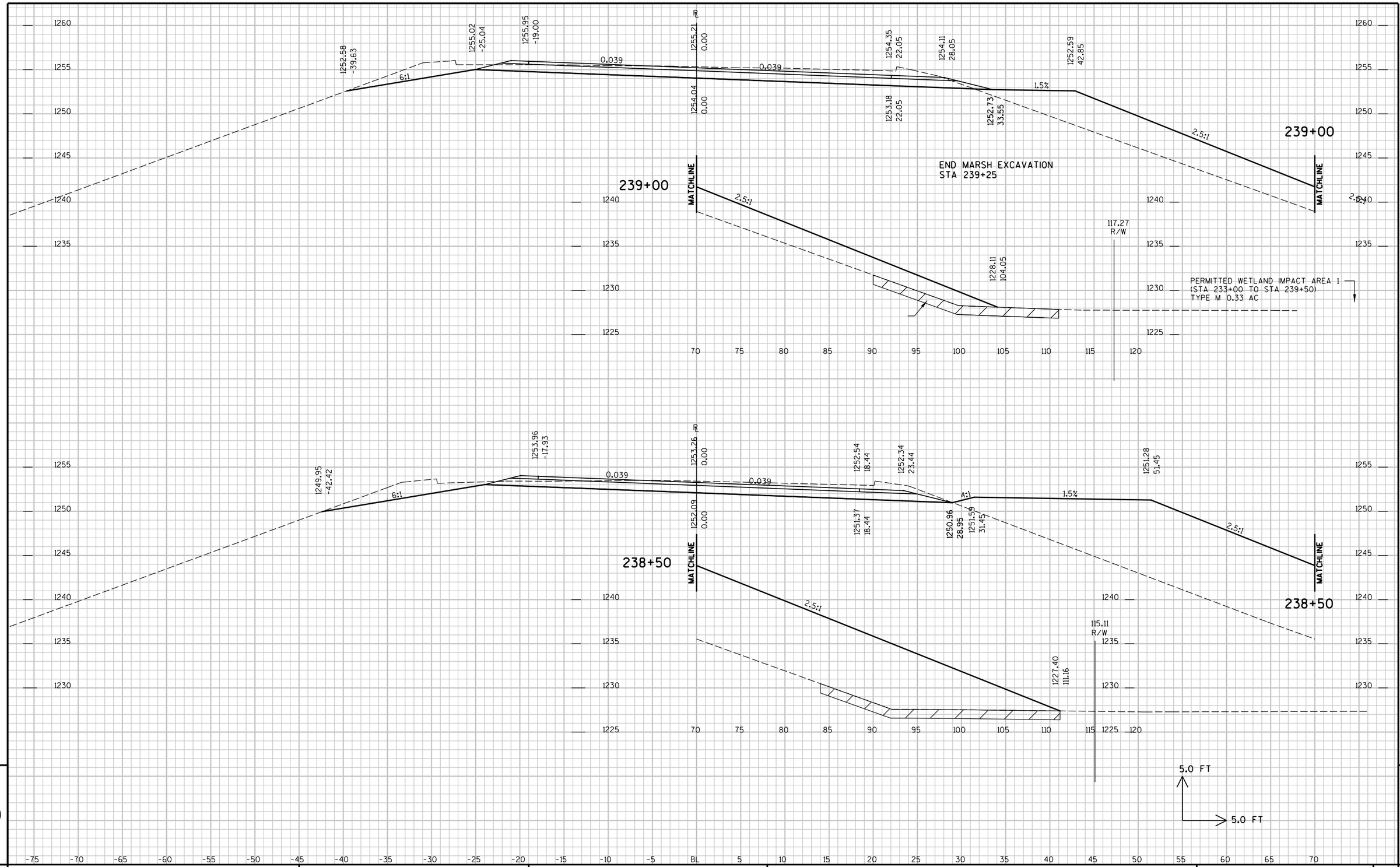


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 372	E

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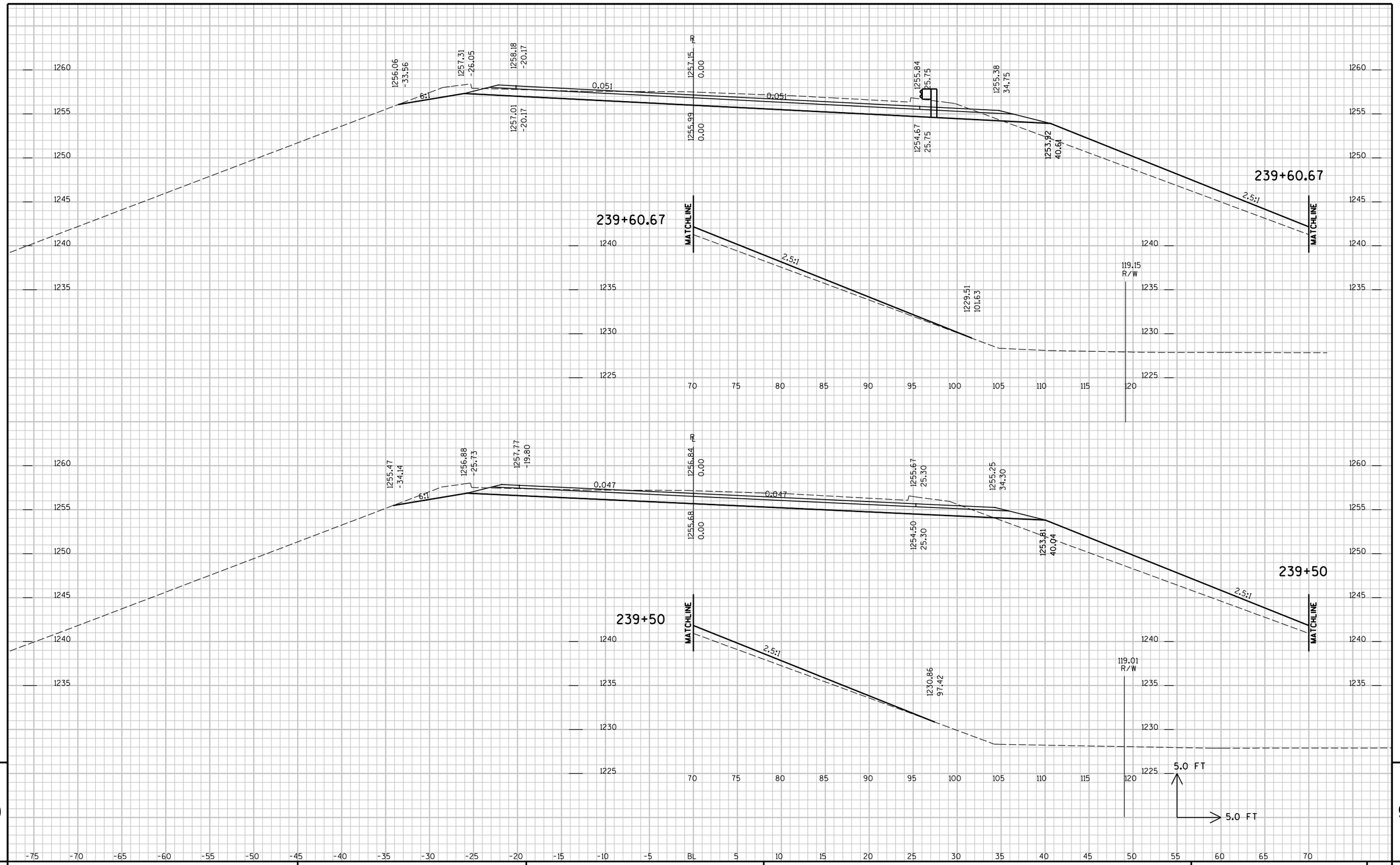


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 373	E

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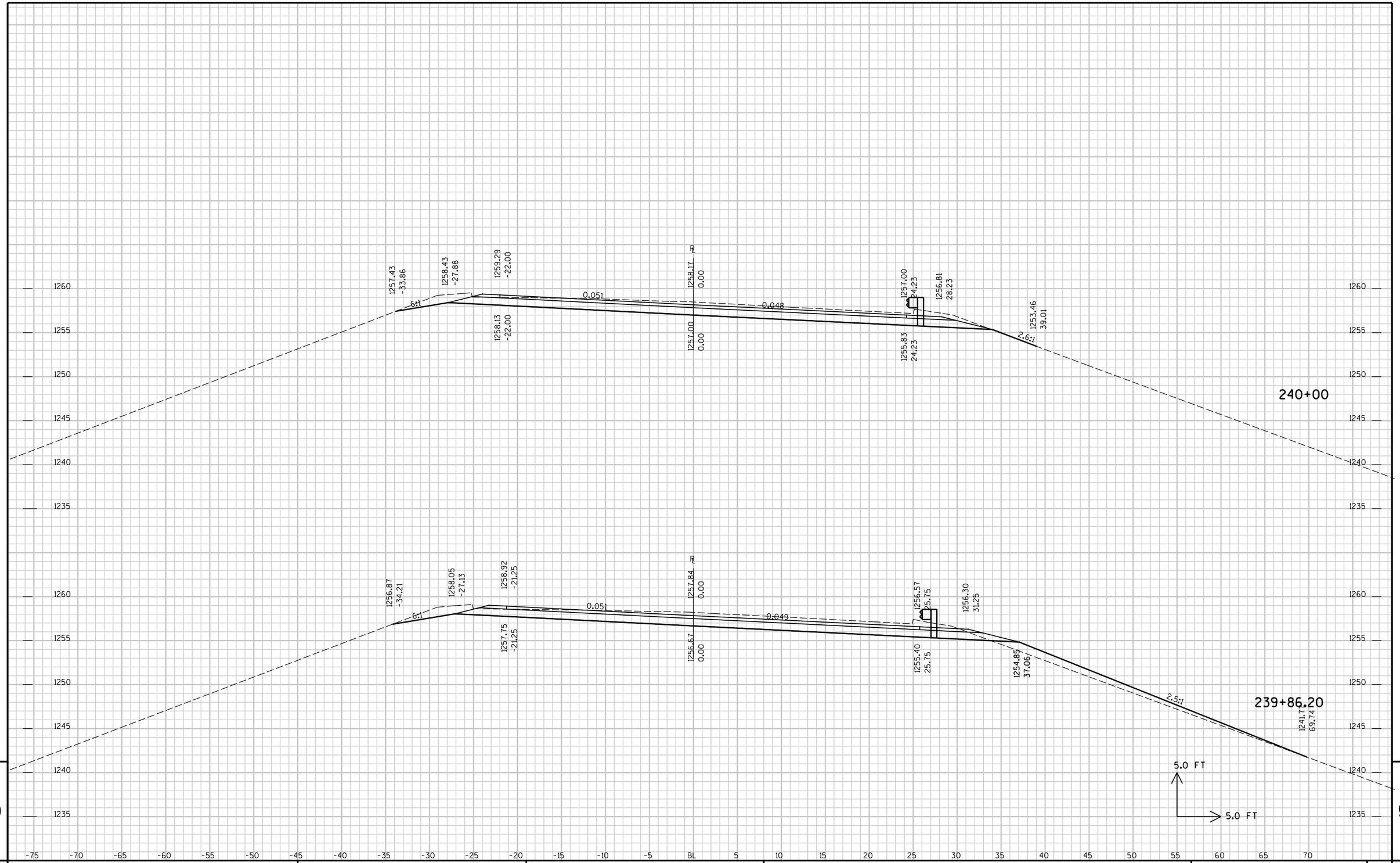


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 374	E

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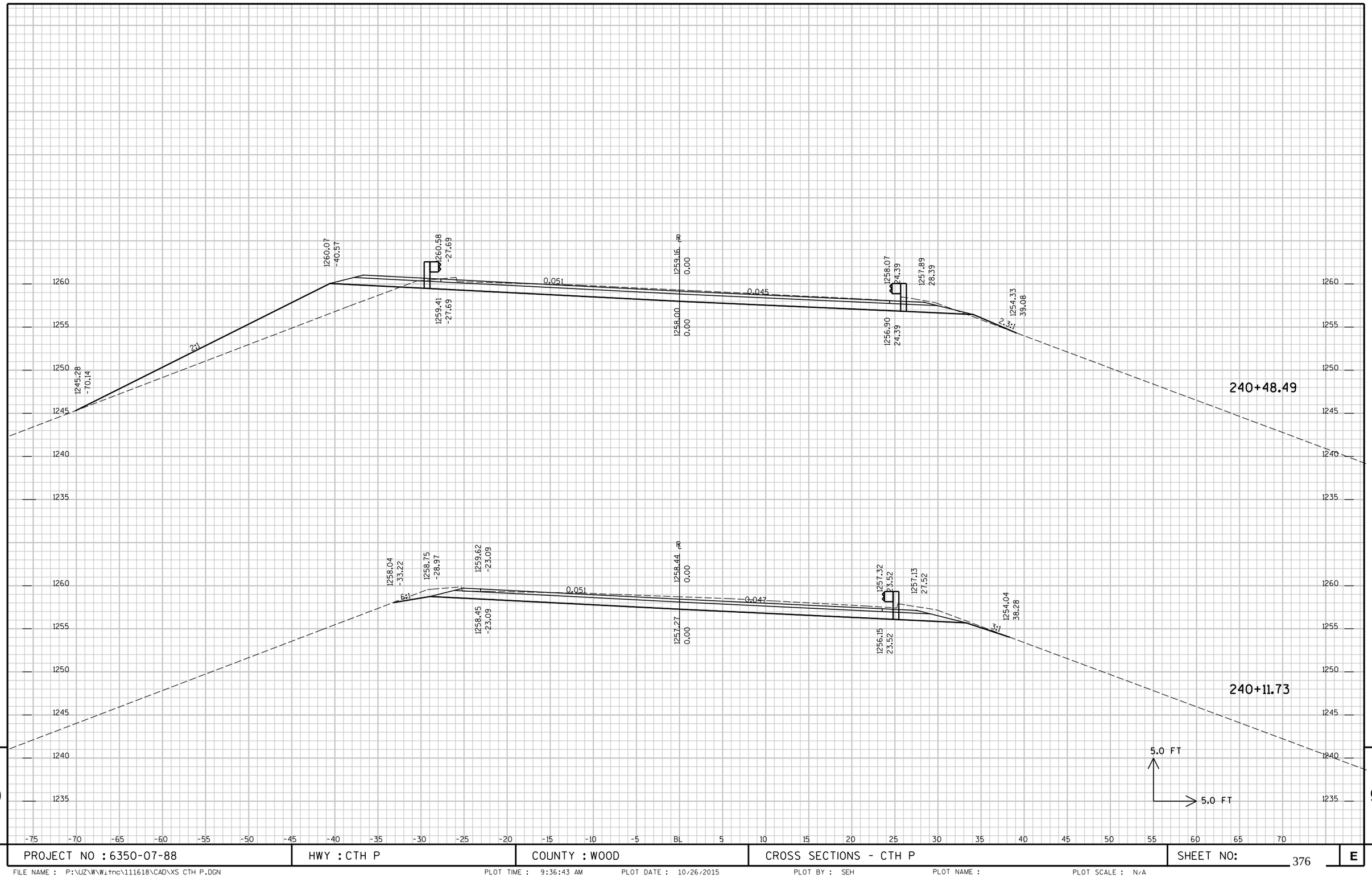


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 375	E

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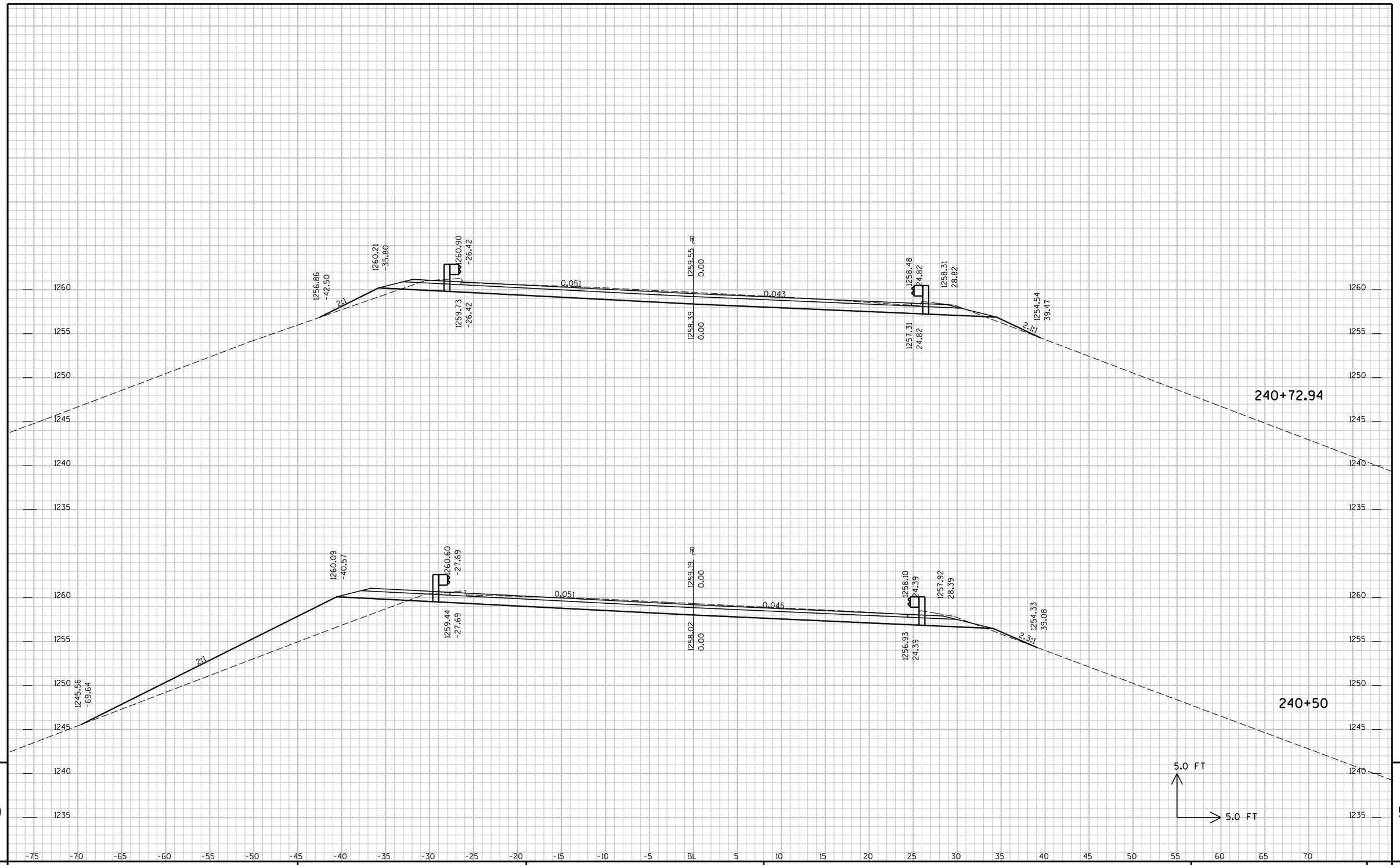


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 376	E

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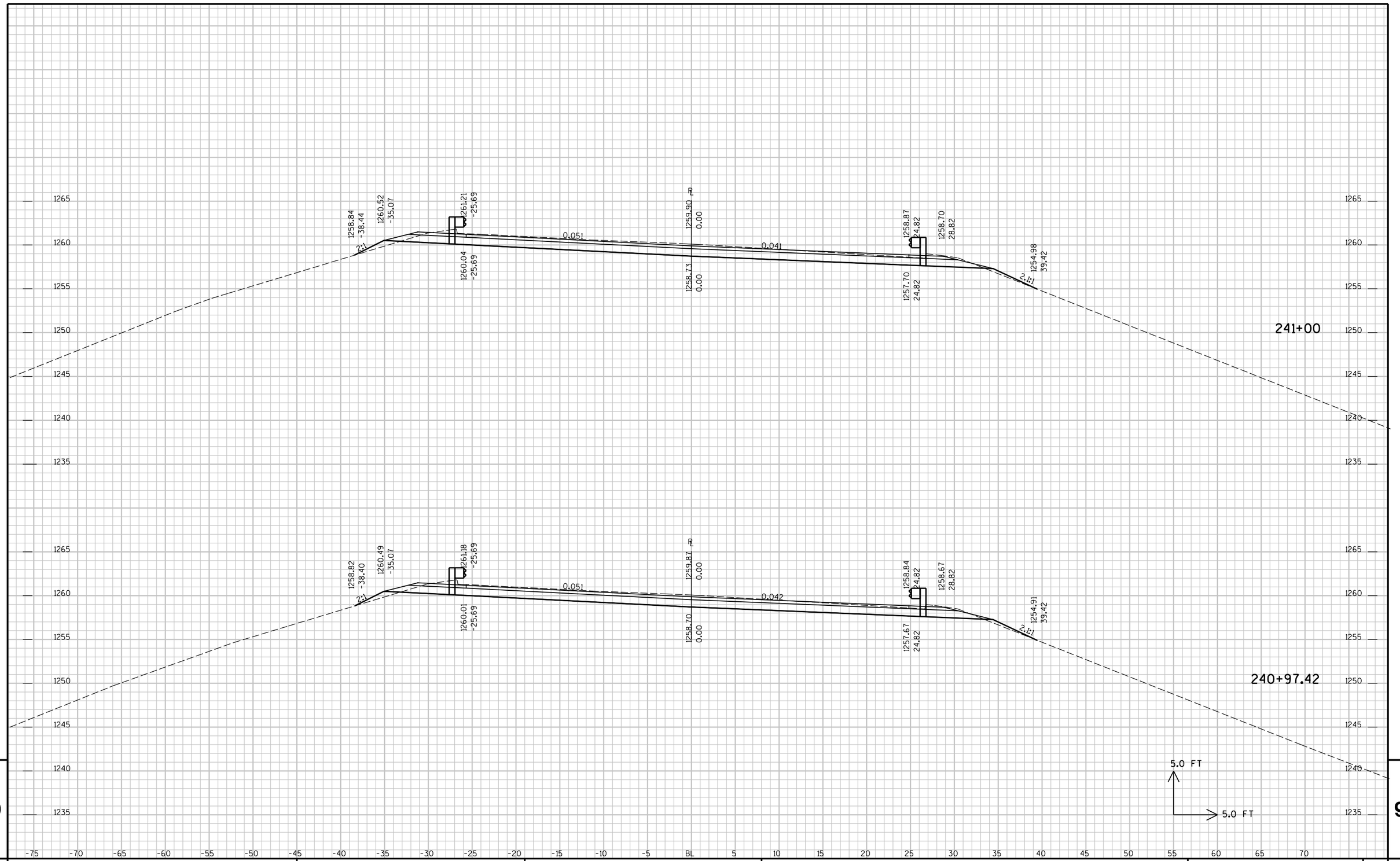
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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 377	E

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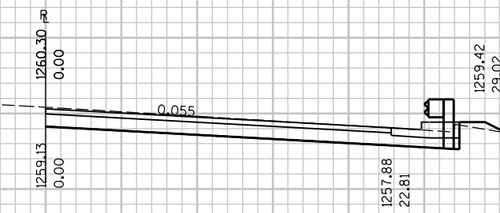
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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 378	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:43 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

STRUCTURE B-17-39
STA 242+63.88

END PROJECT 6350-07-88
STA 241+63.50
BEGIN PROJECT 6350-07-77
STA 241+63.50



243+50

241+50

5.0 FT
5.0 FT

1260 1255 1250 1245 1240 1235 1230 1265

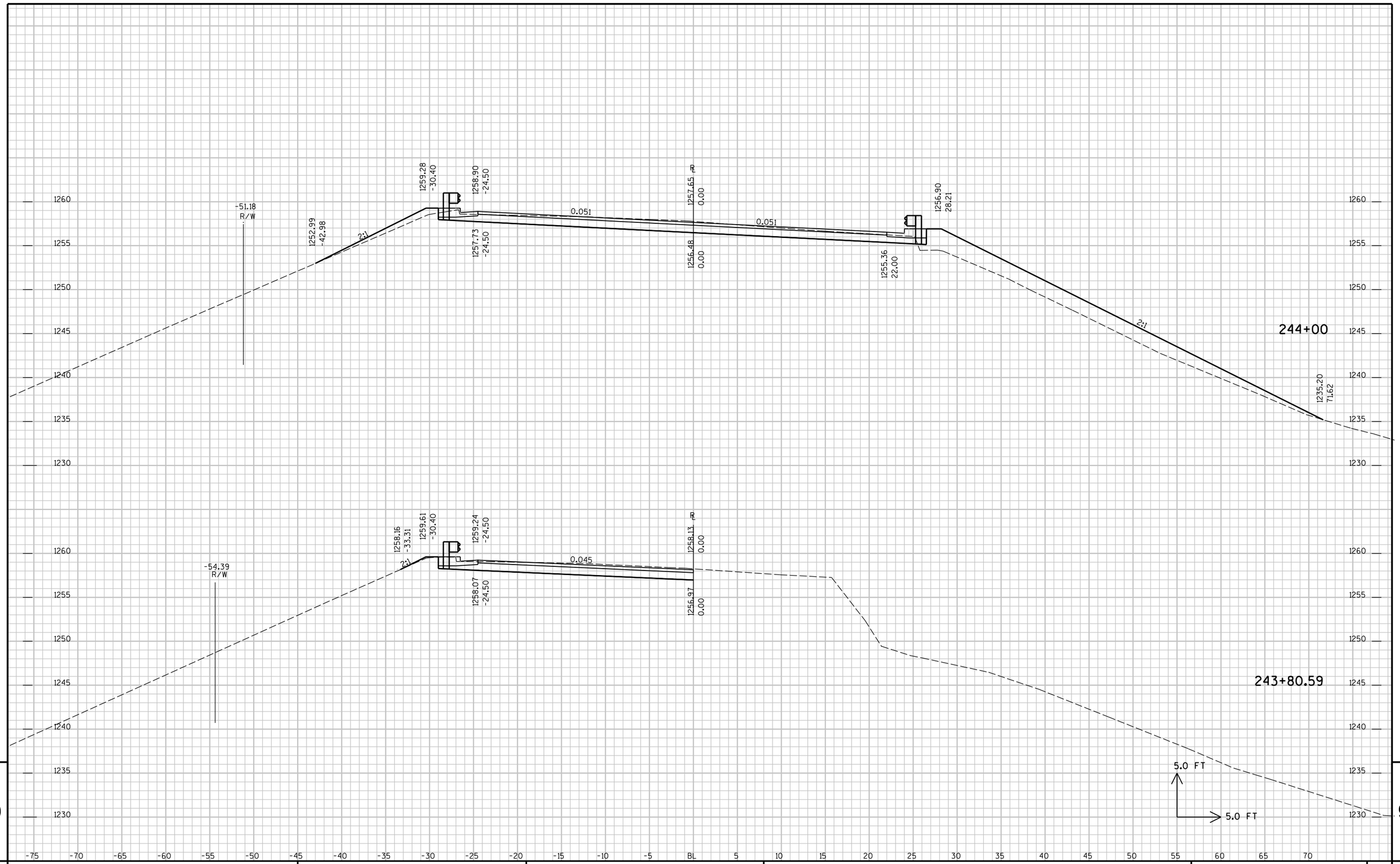
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PROJECT NO : 6350-07-88,77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 379	E

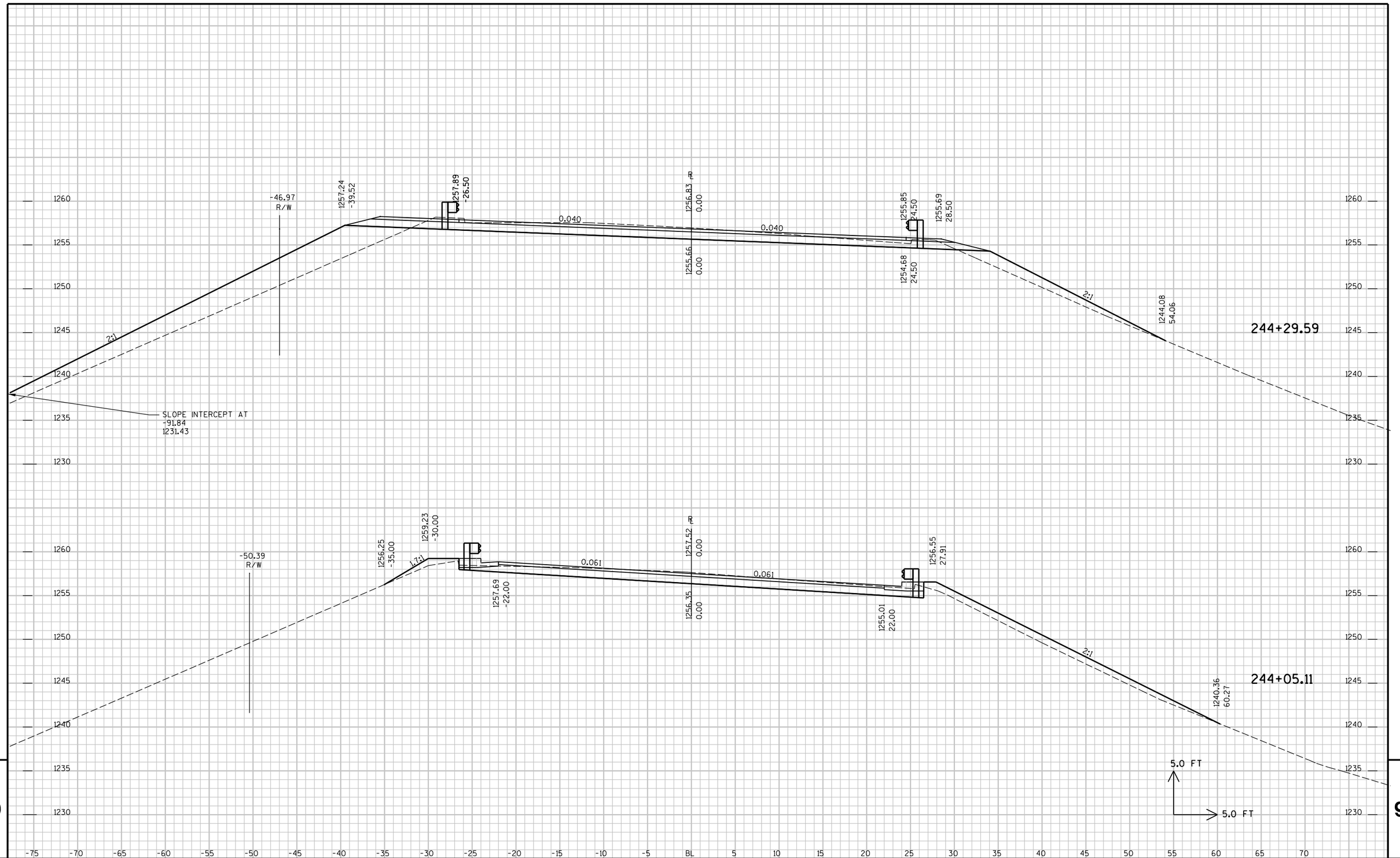
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 380	E

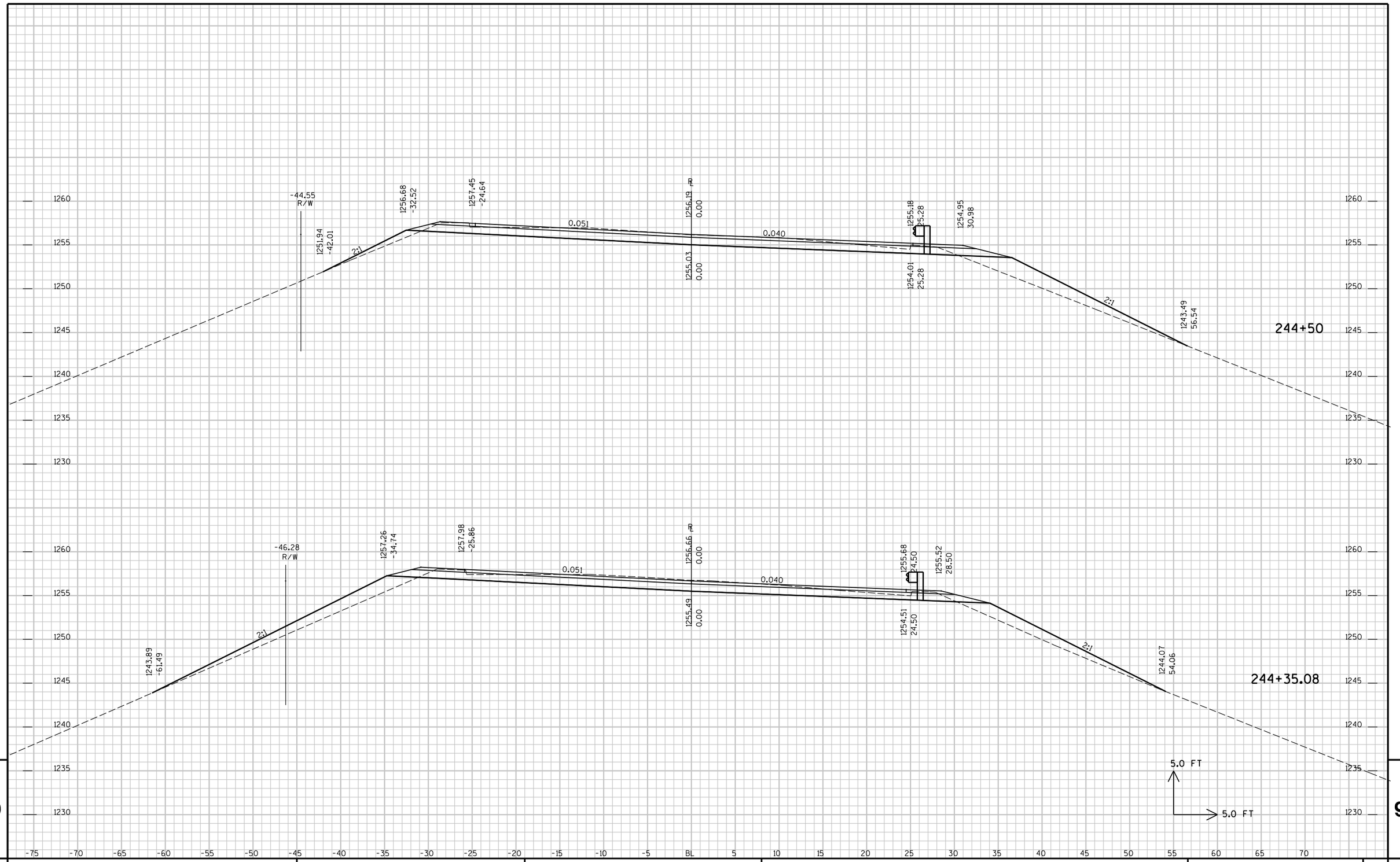
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 381	E

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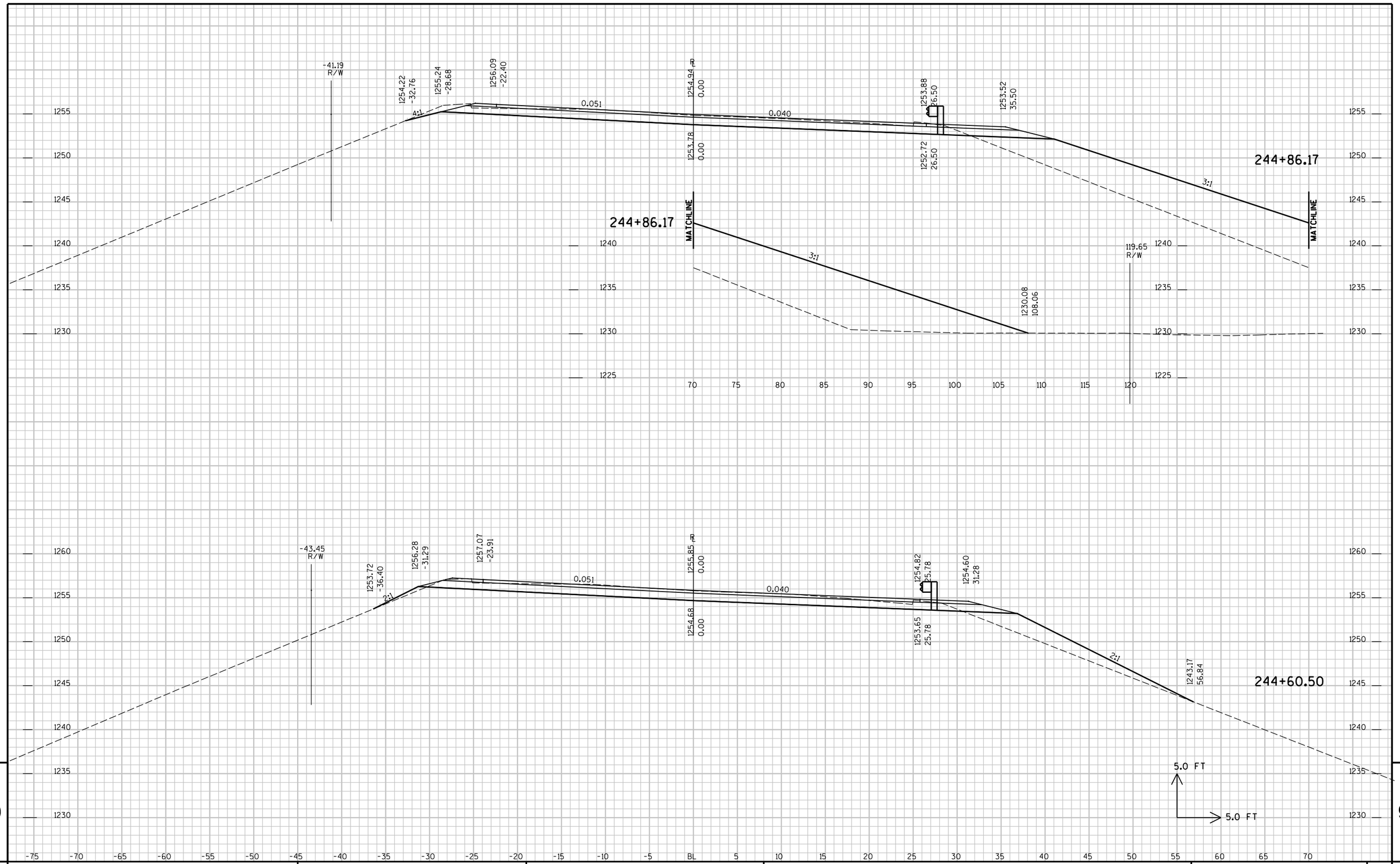


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 382	E

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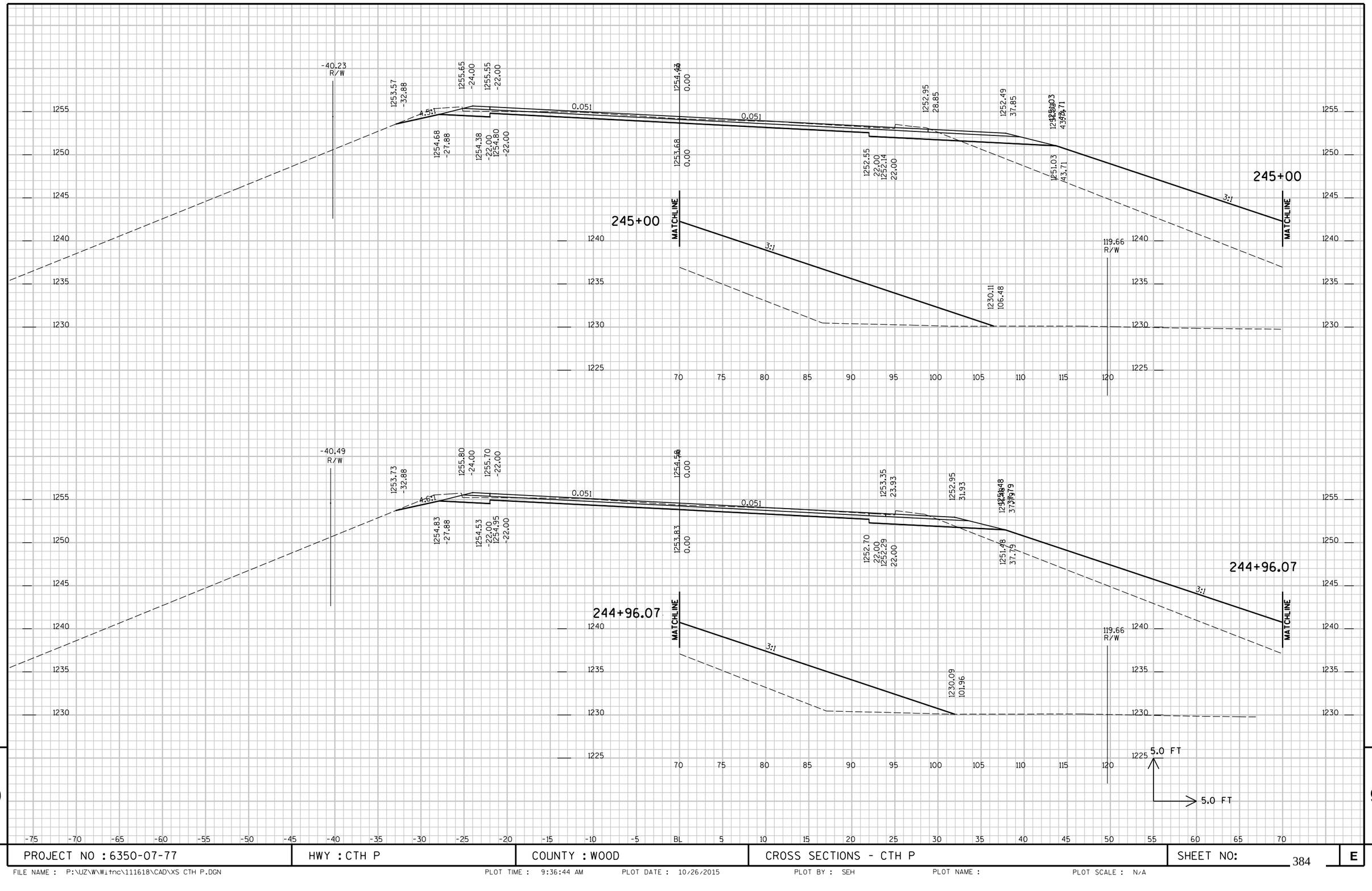


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 383	E

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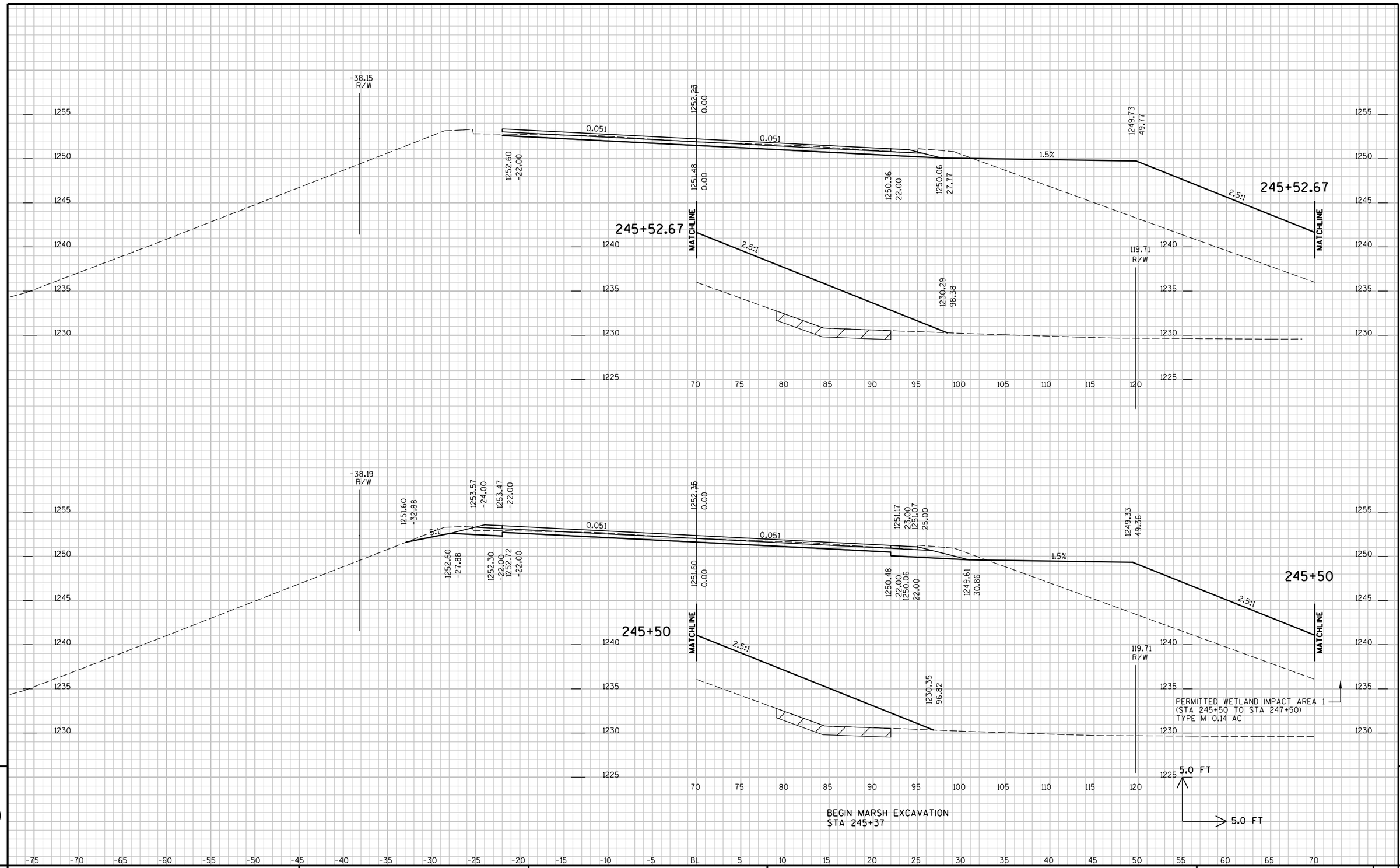


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 384	E

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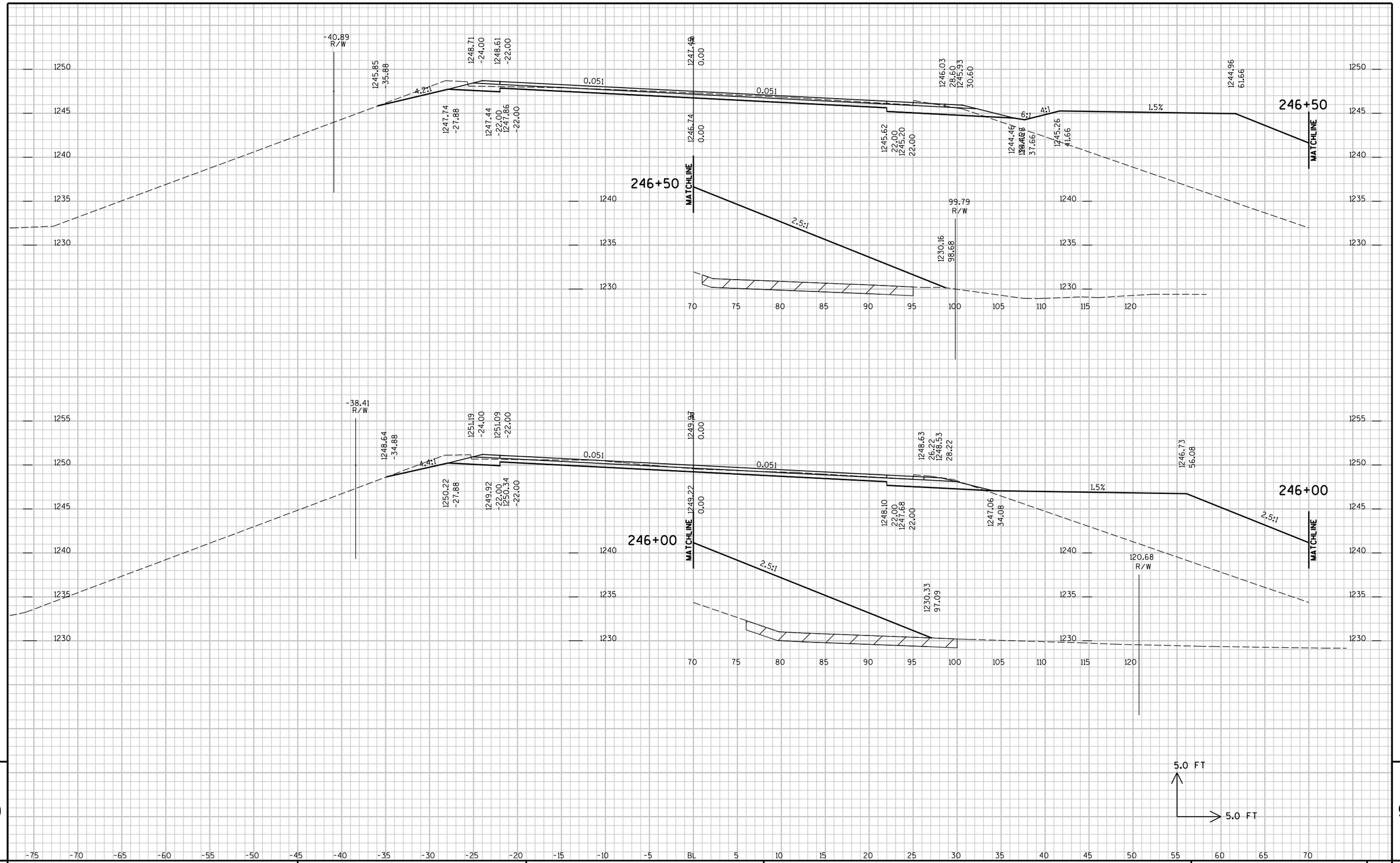


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 385	E

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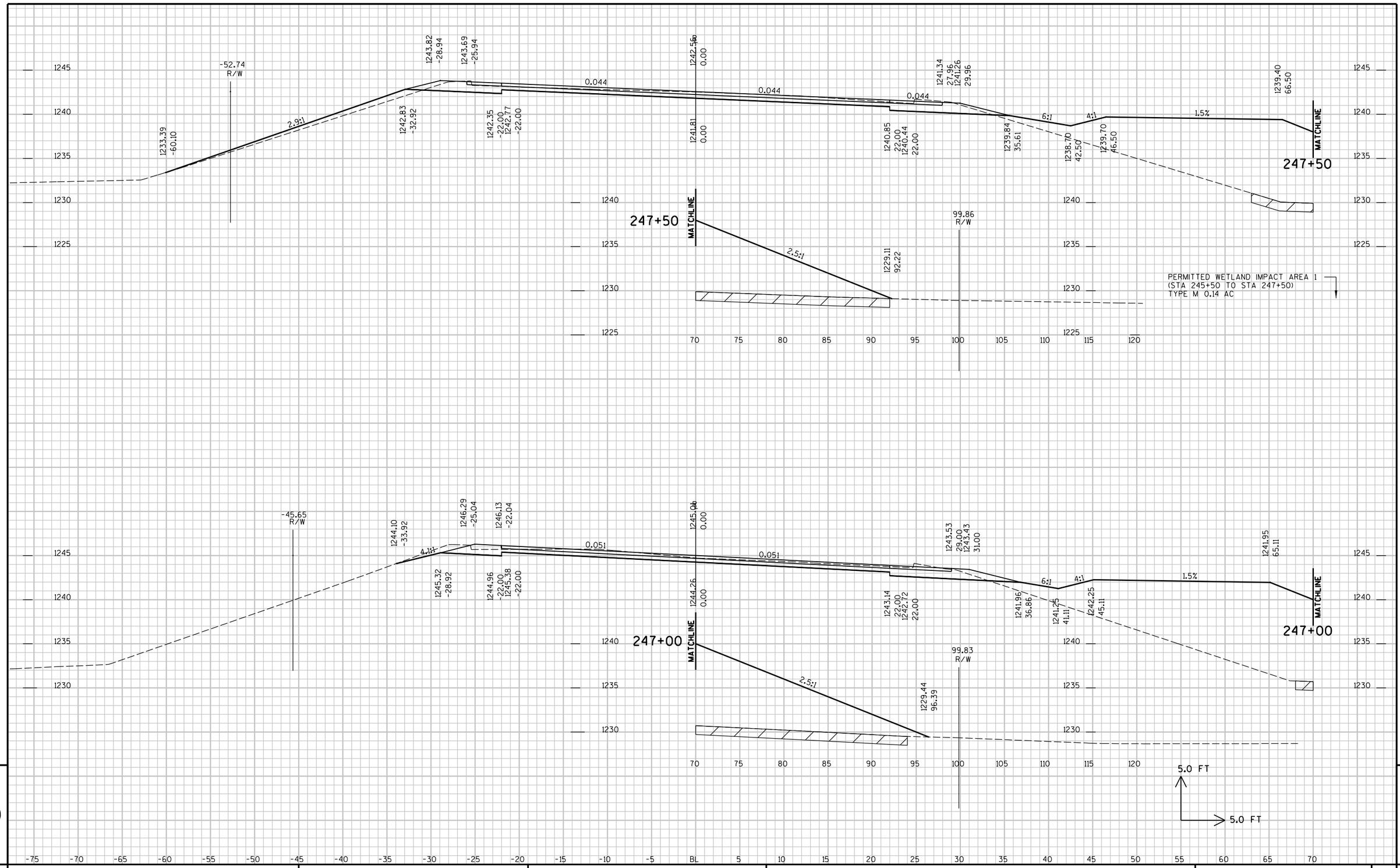


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 386	E

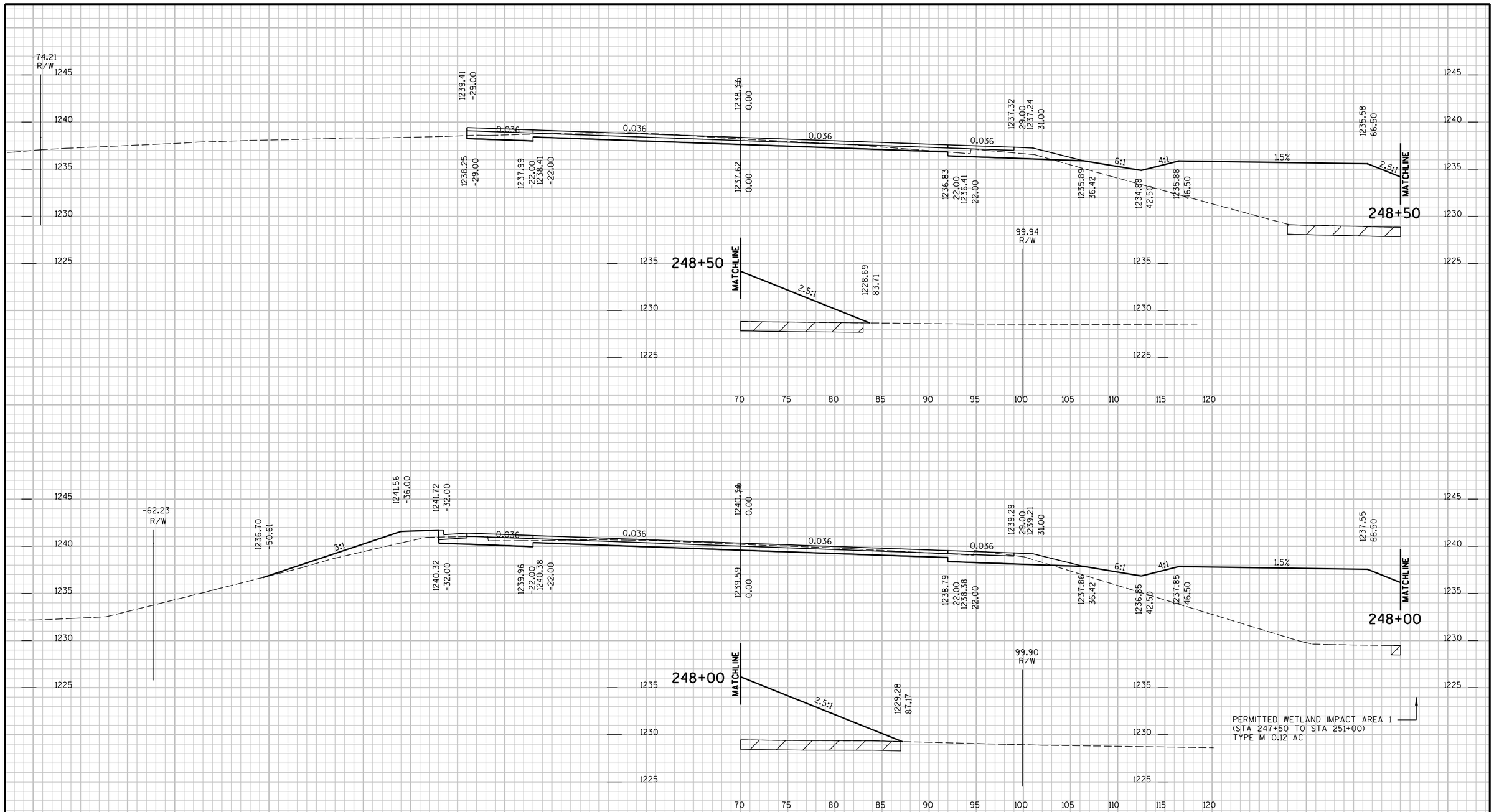
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 387	E

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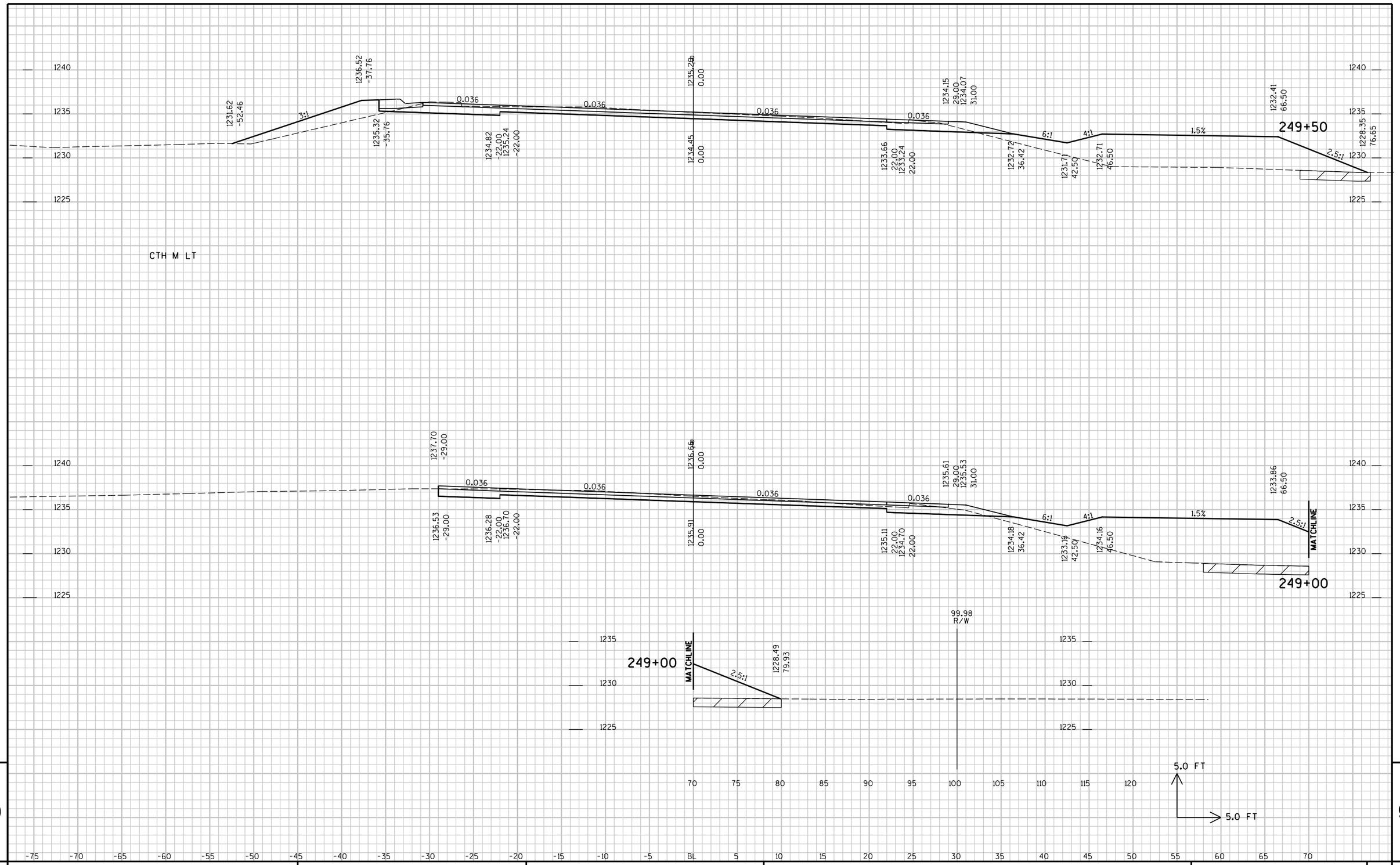


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 388	E

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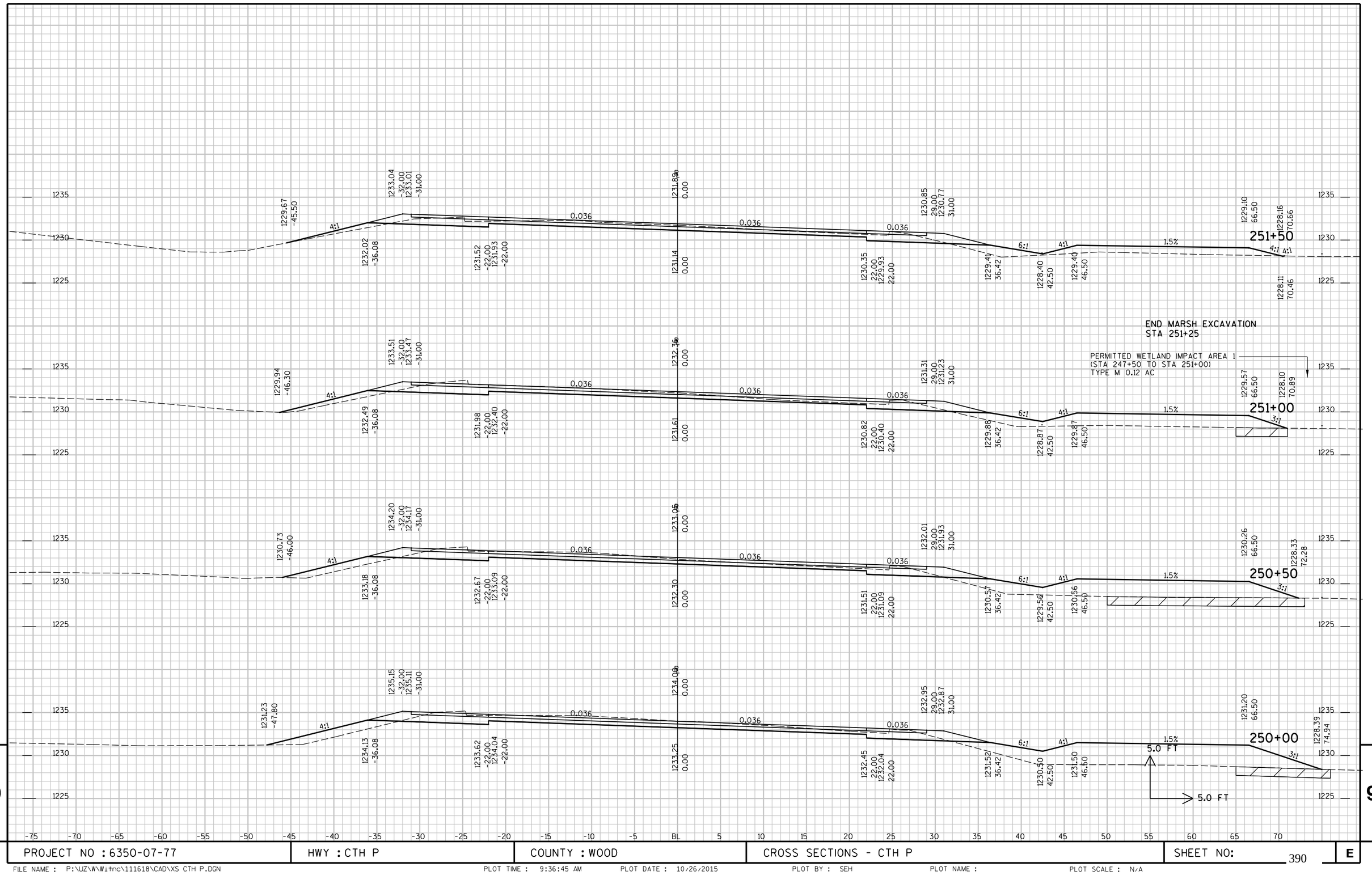


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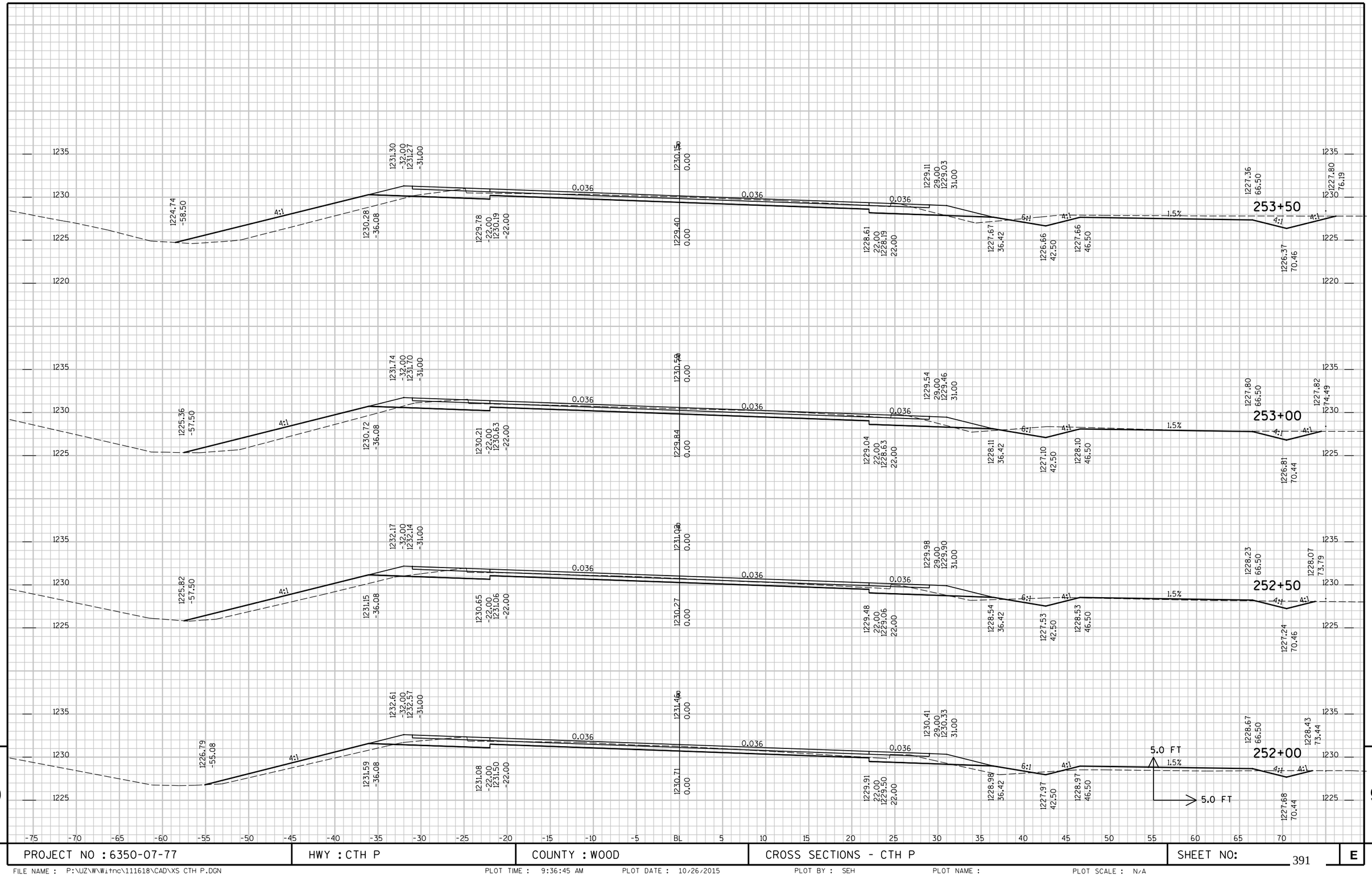
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 390	E

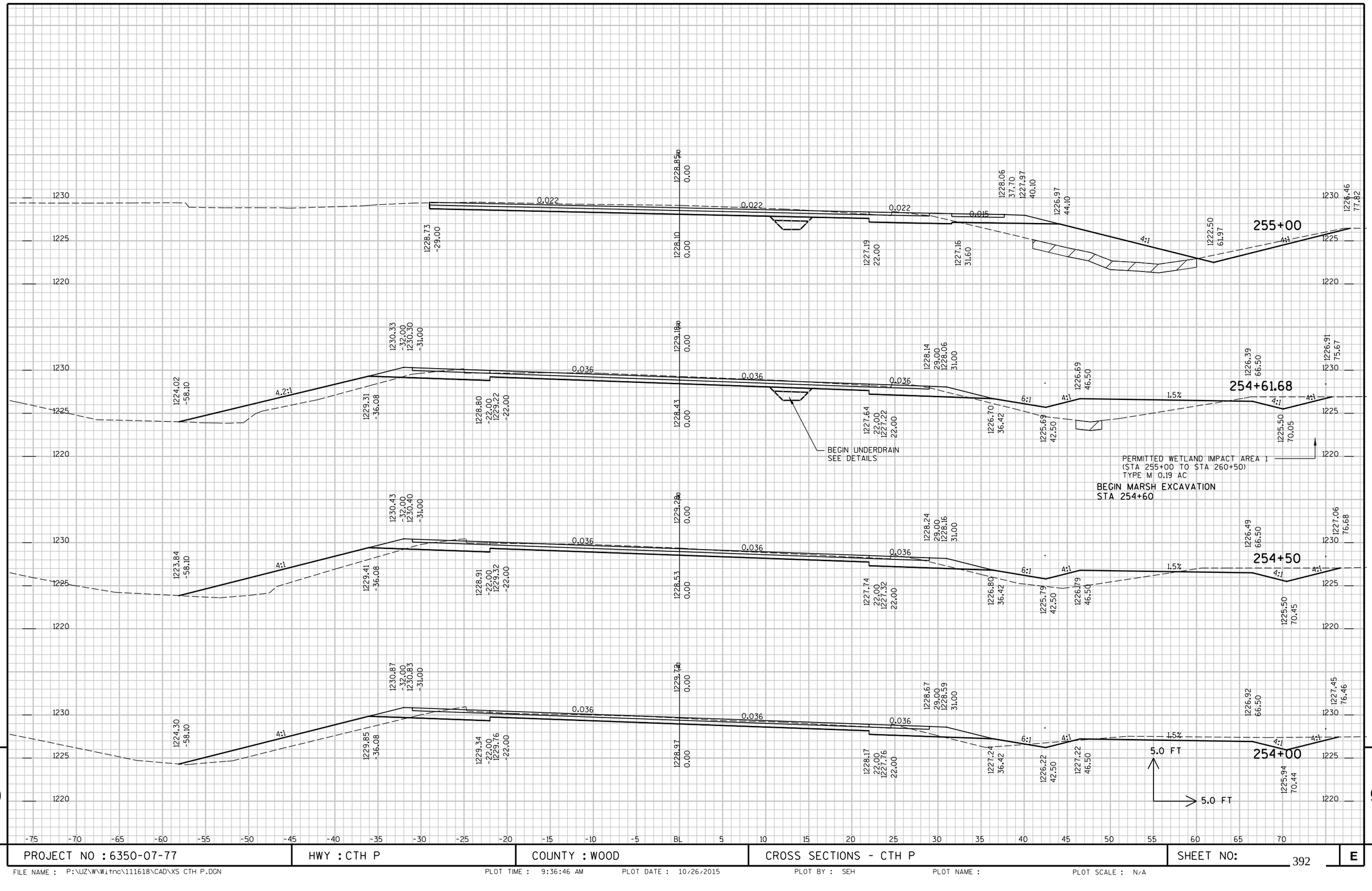
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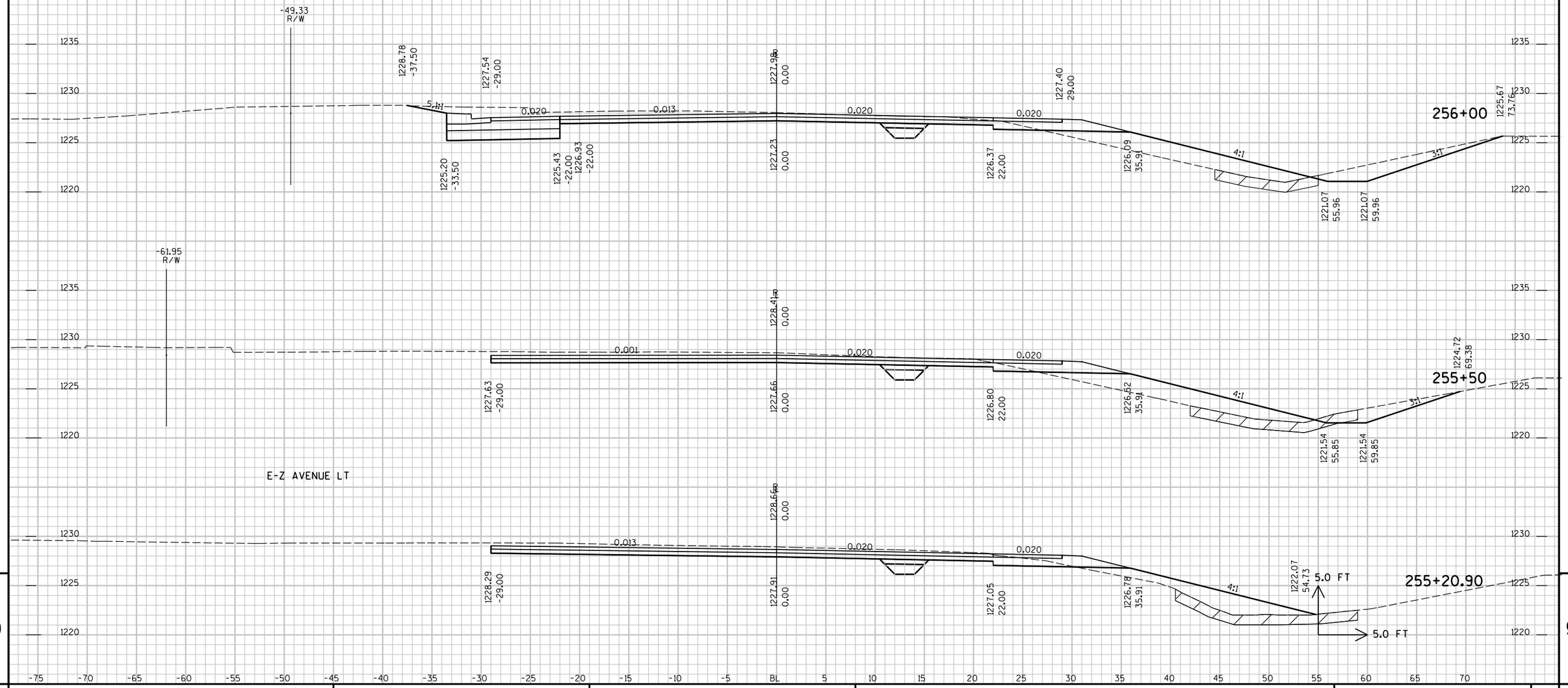
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 392 E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:46 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

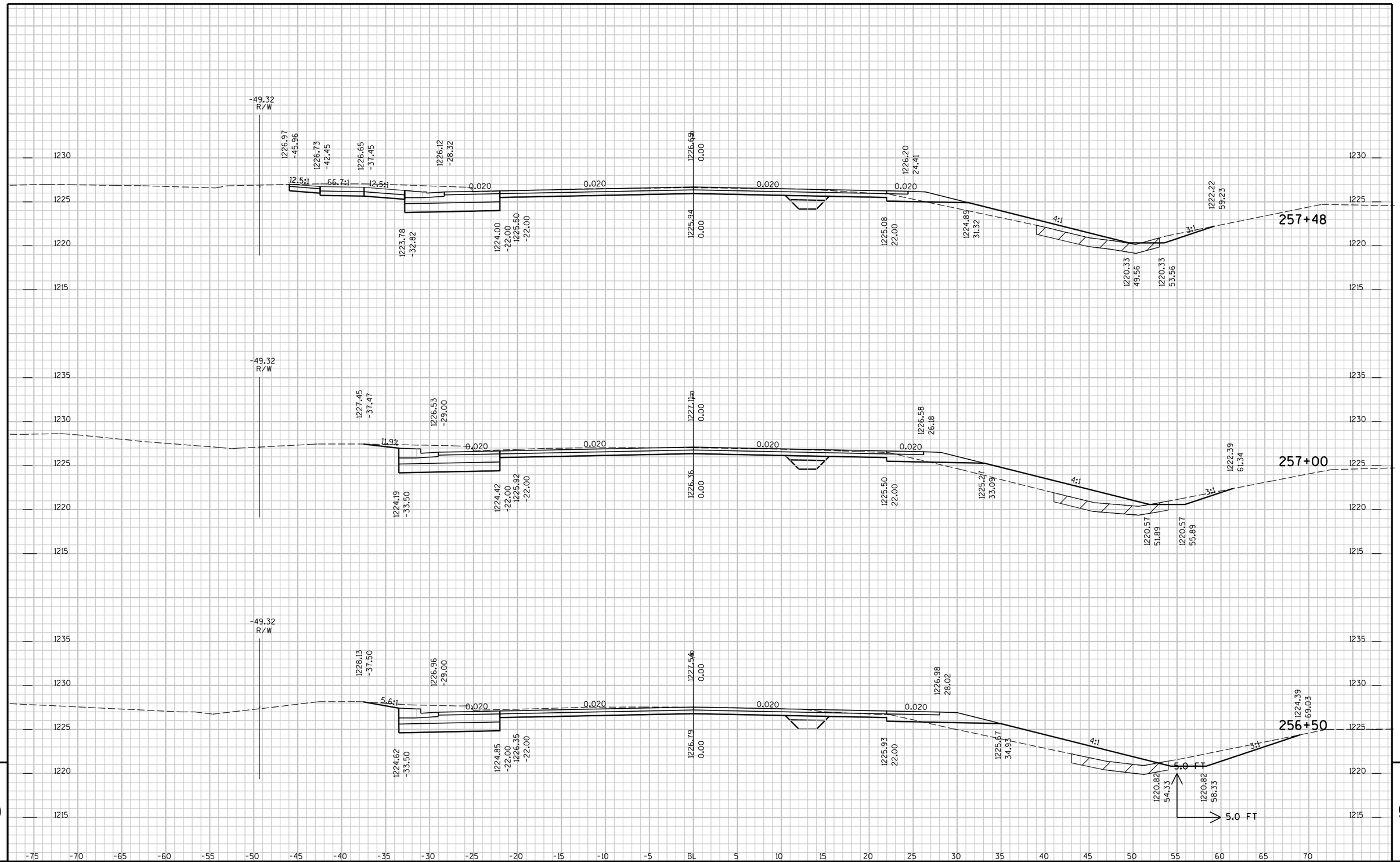


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 393	E

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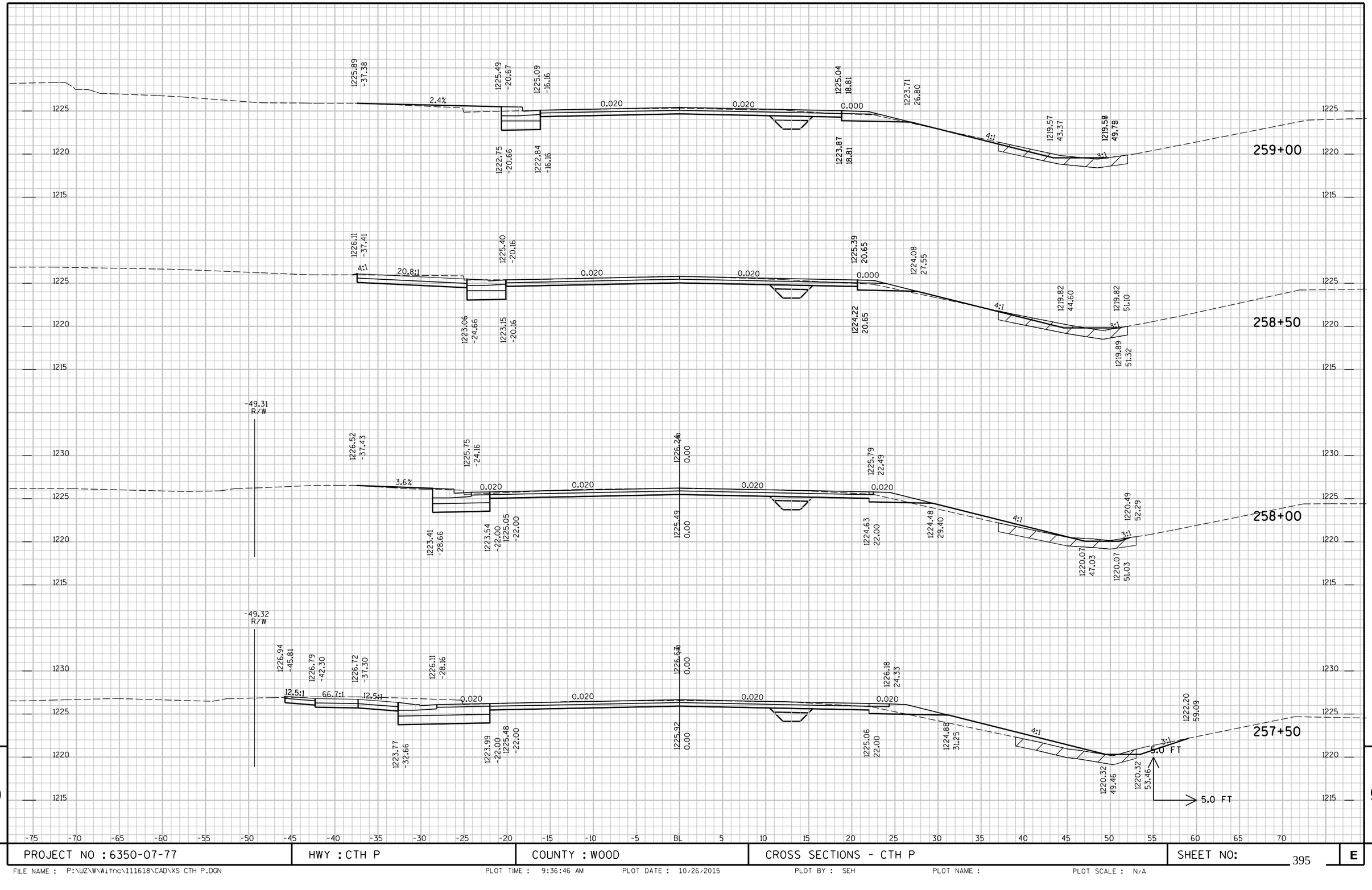


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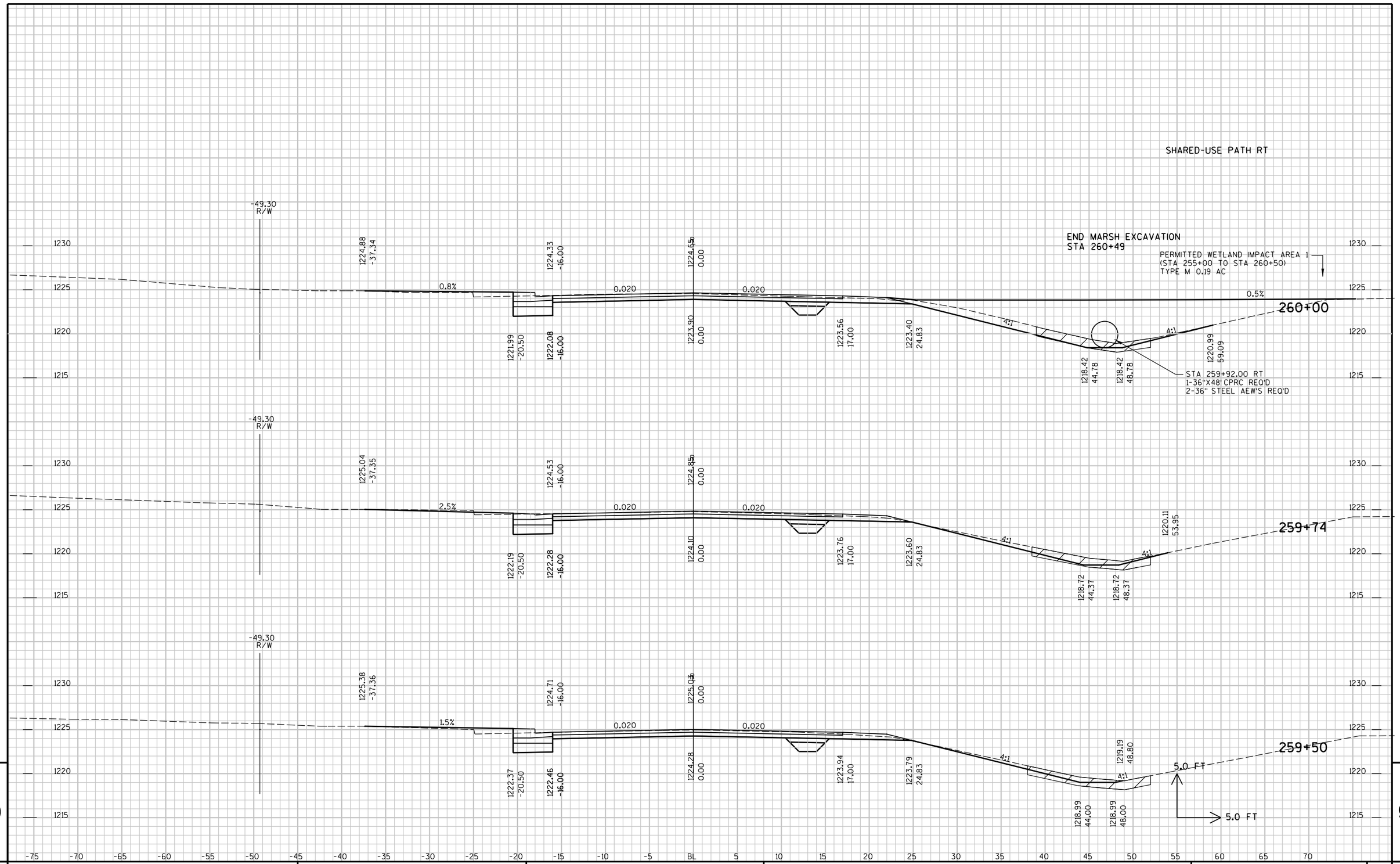
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 395	E

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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO:

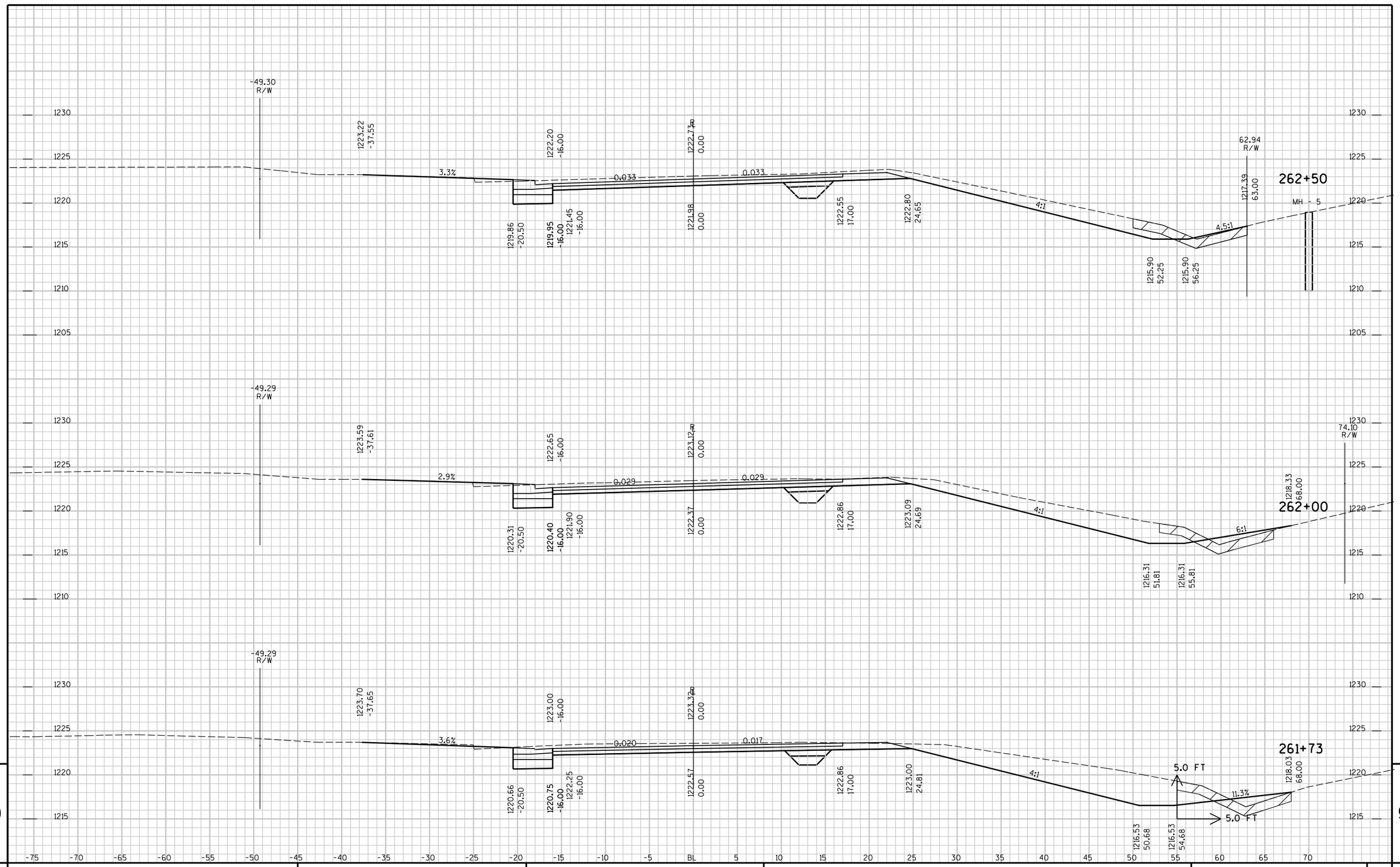
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PROJECT NO : 6350-07-77 | HWY : CTH P | COUNTY : WOOD | CROSS SECTIONS - CTH P | SHEET NO: 397 | E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:47 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

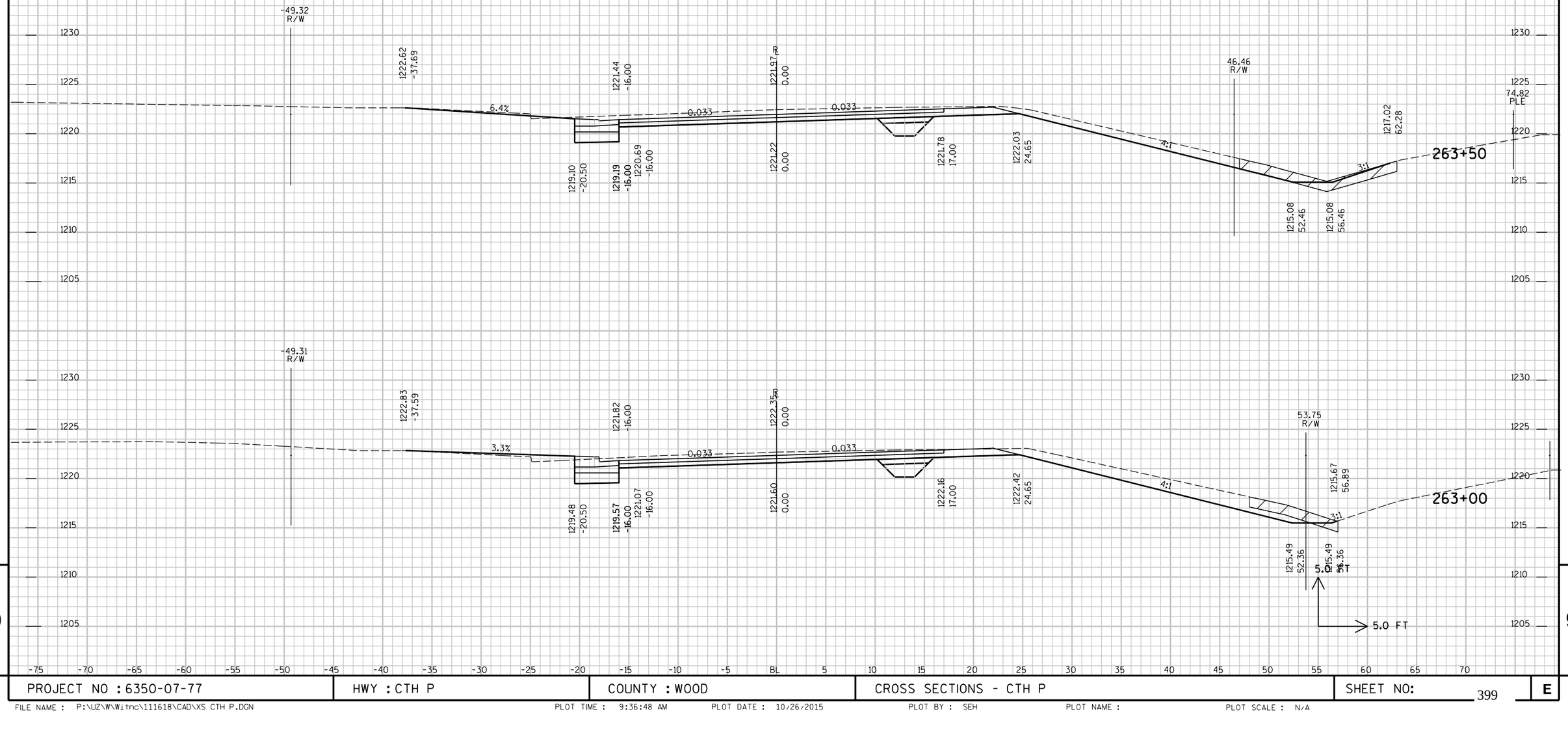


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 398	E

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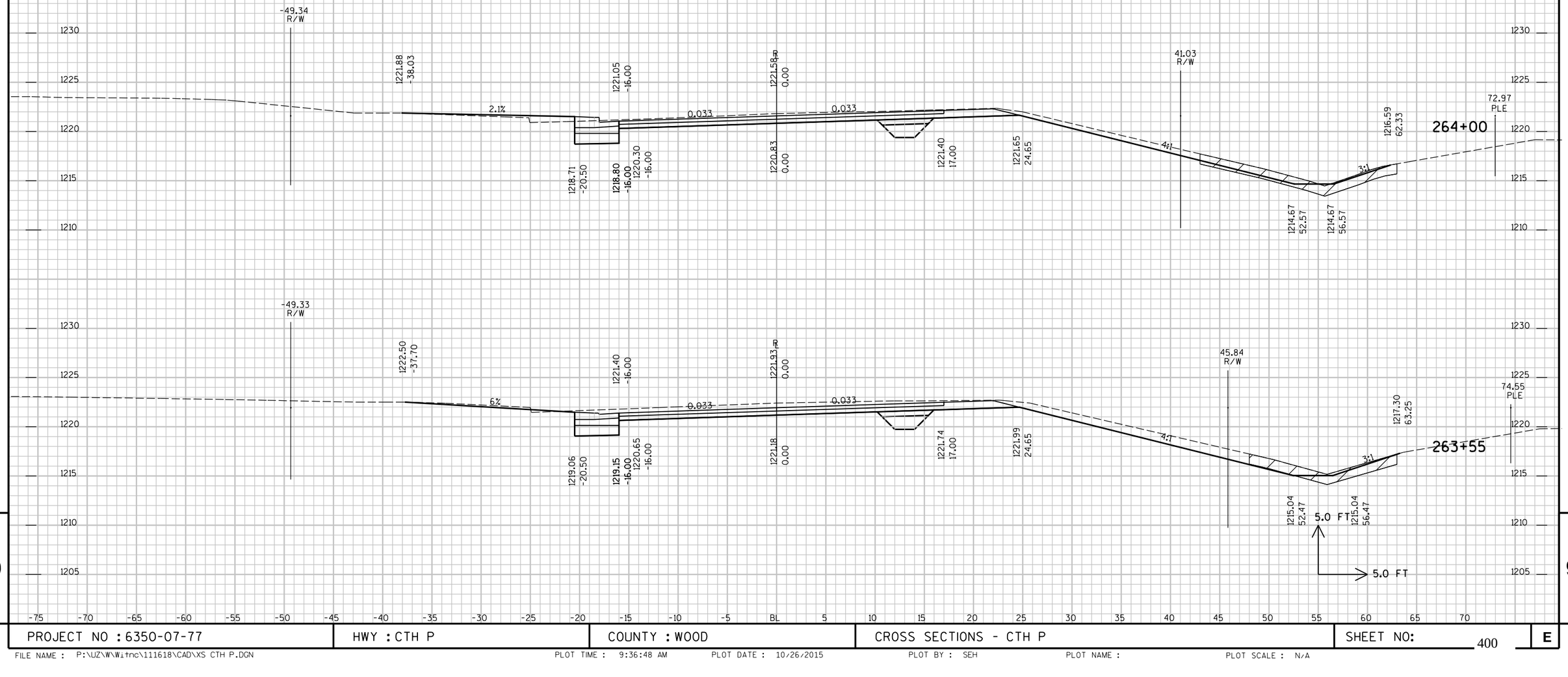


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 399	E

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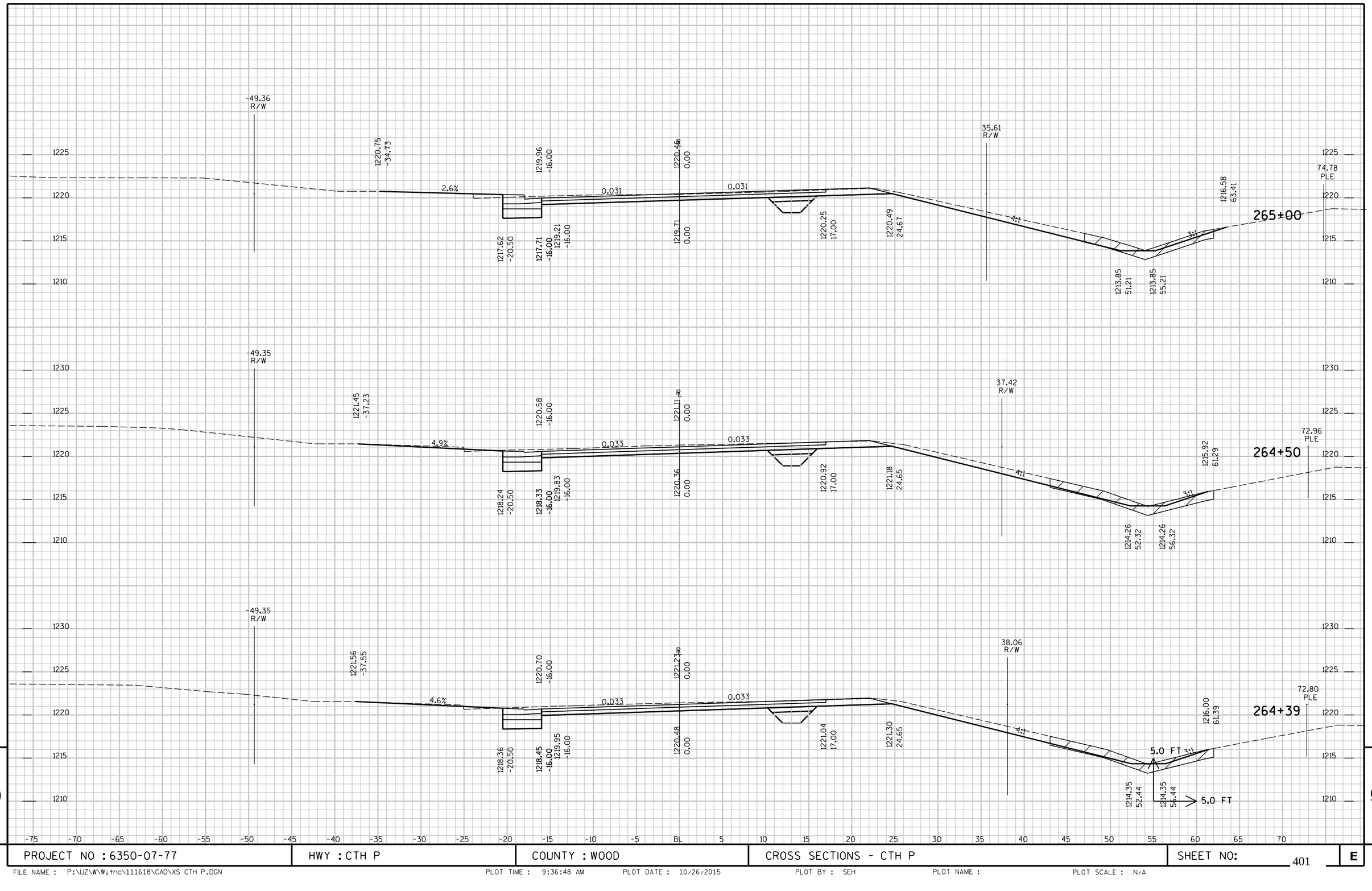


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 400	E

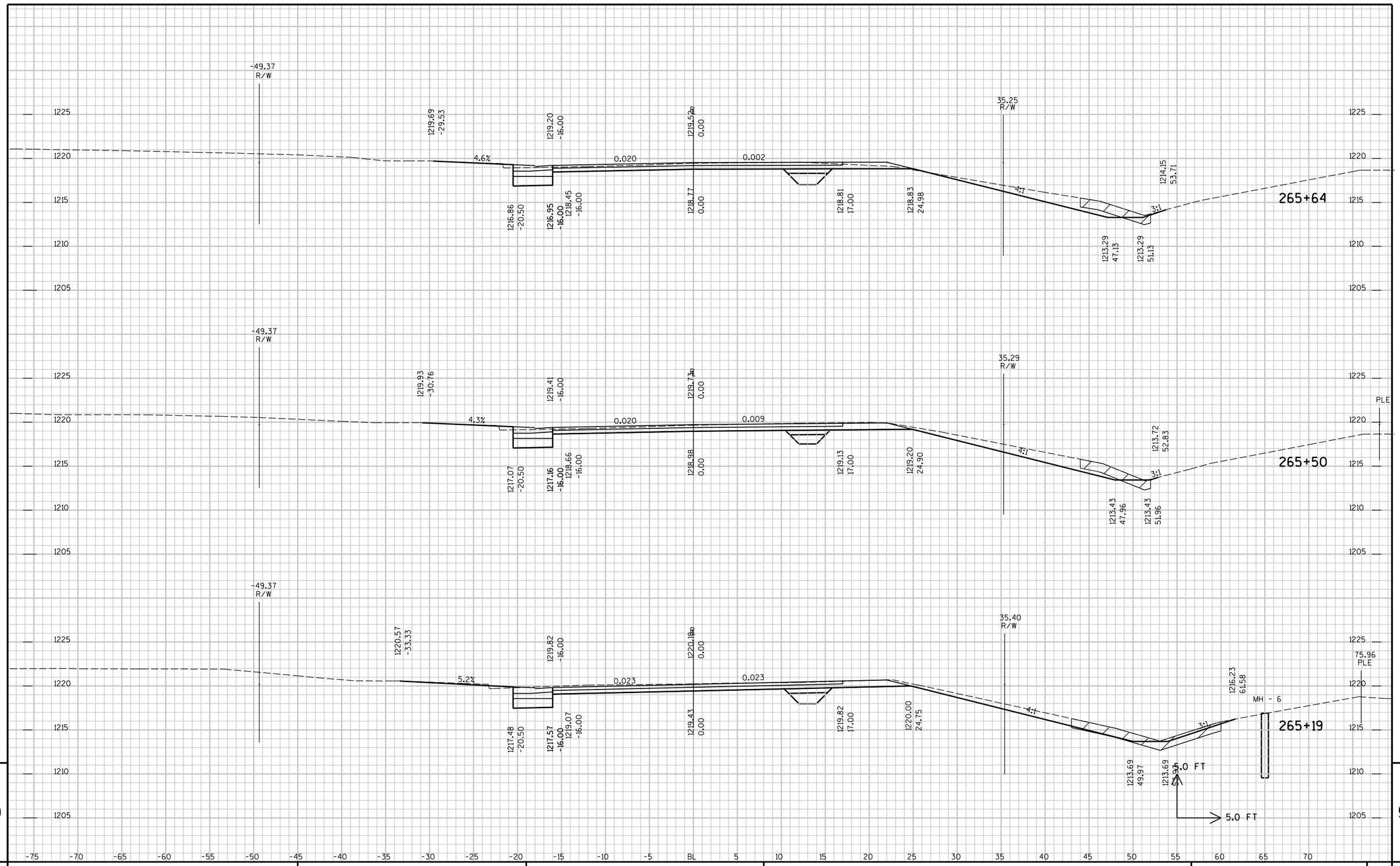
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9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 401	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:48 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

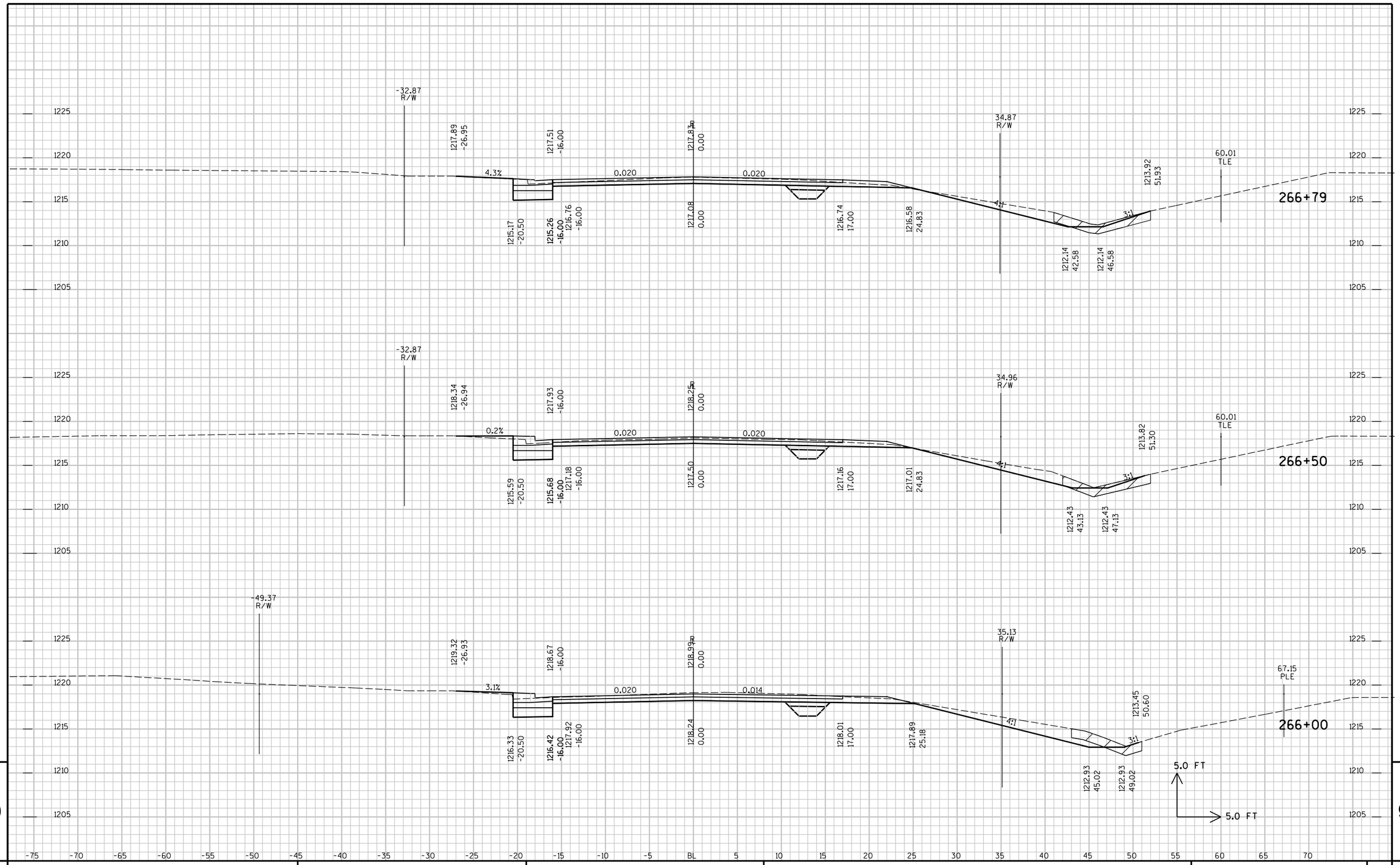


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 402	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:48 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

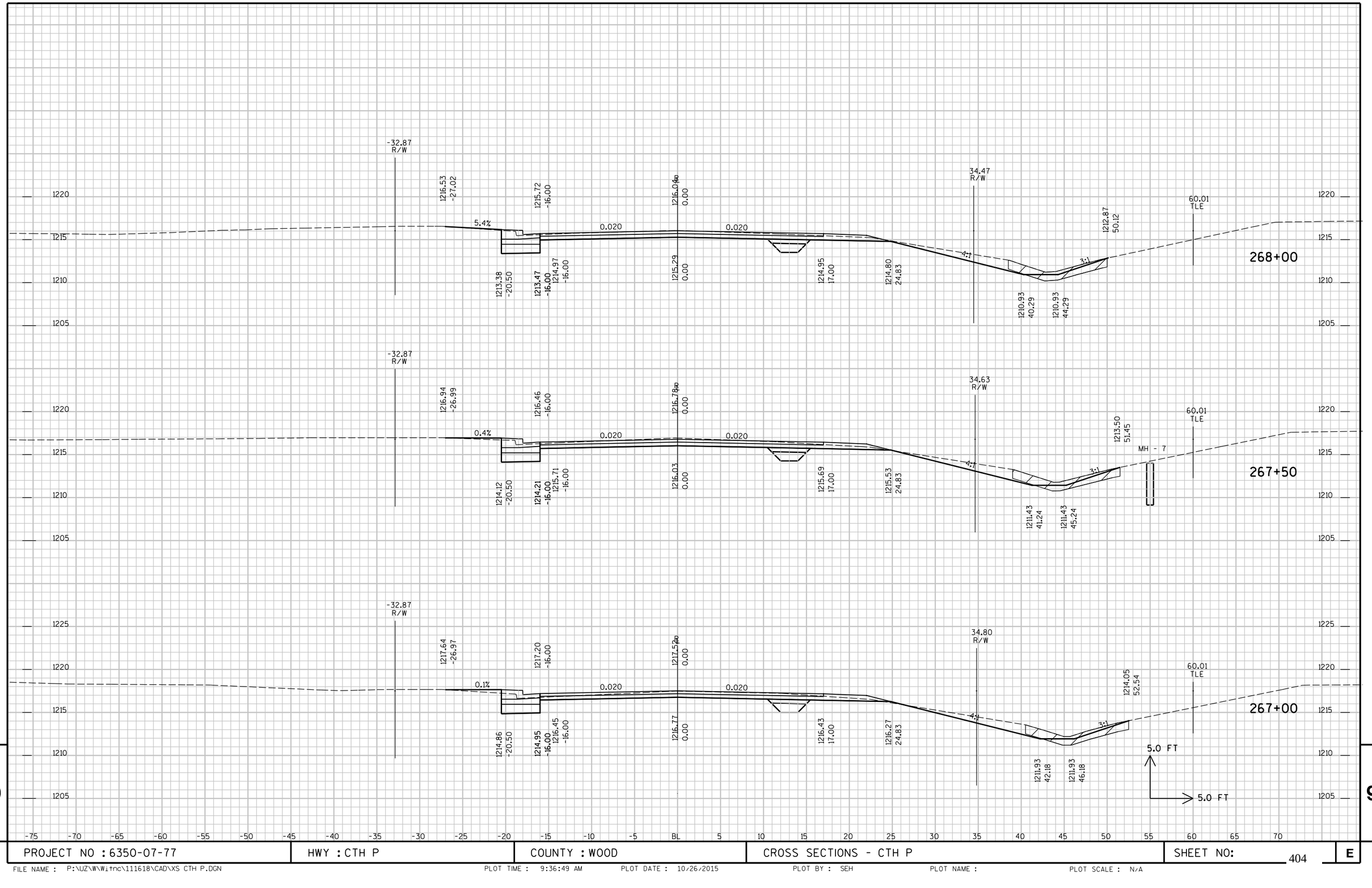


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 403	E

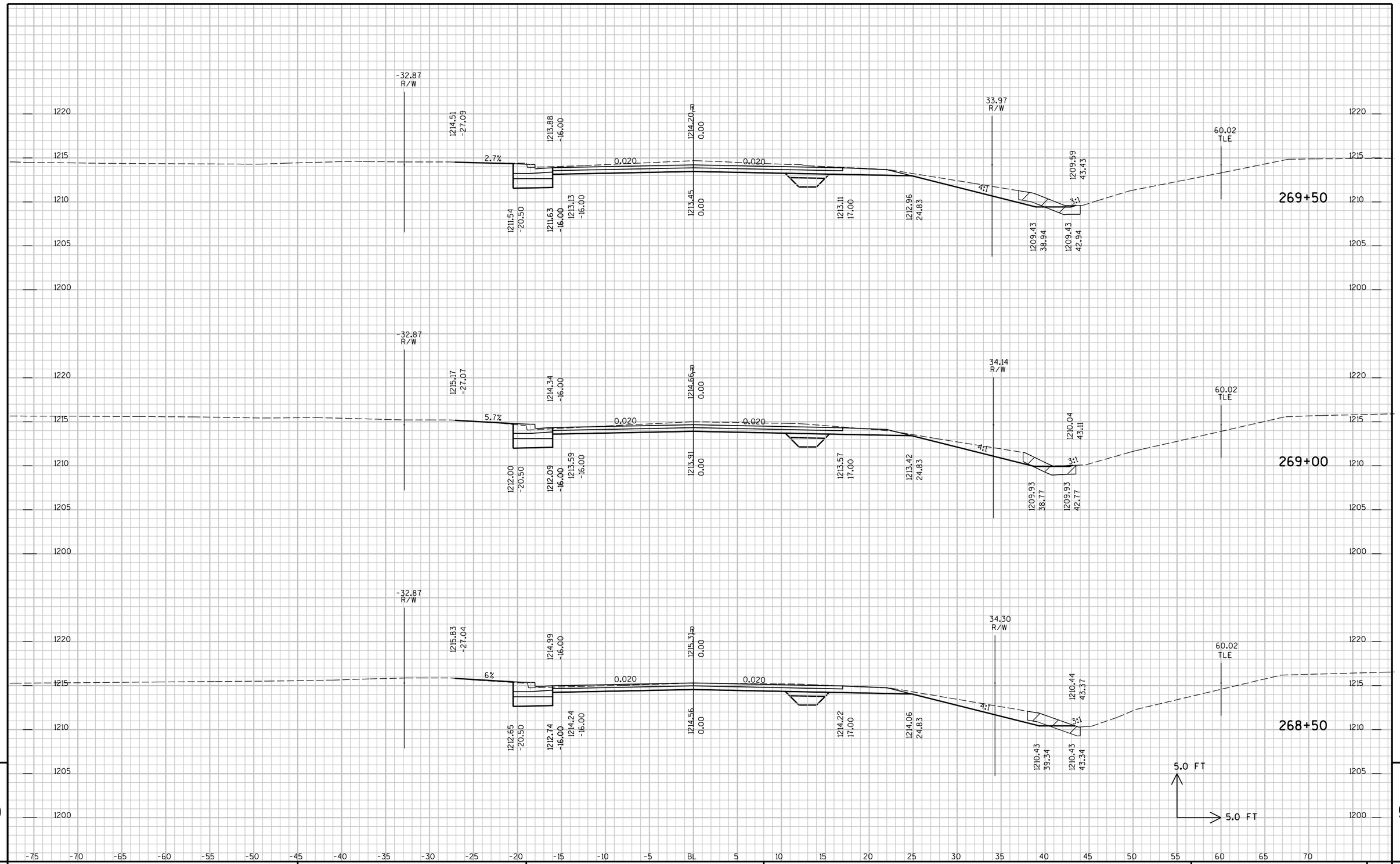
FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:49 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 404	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:49 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

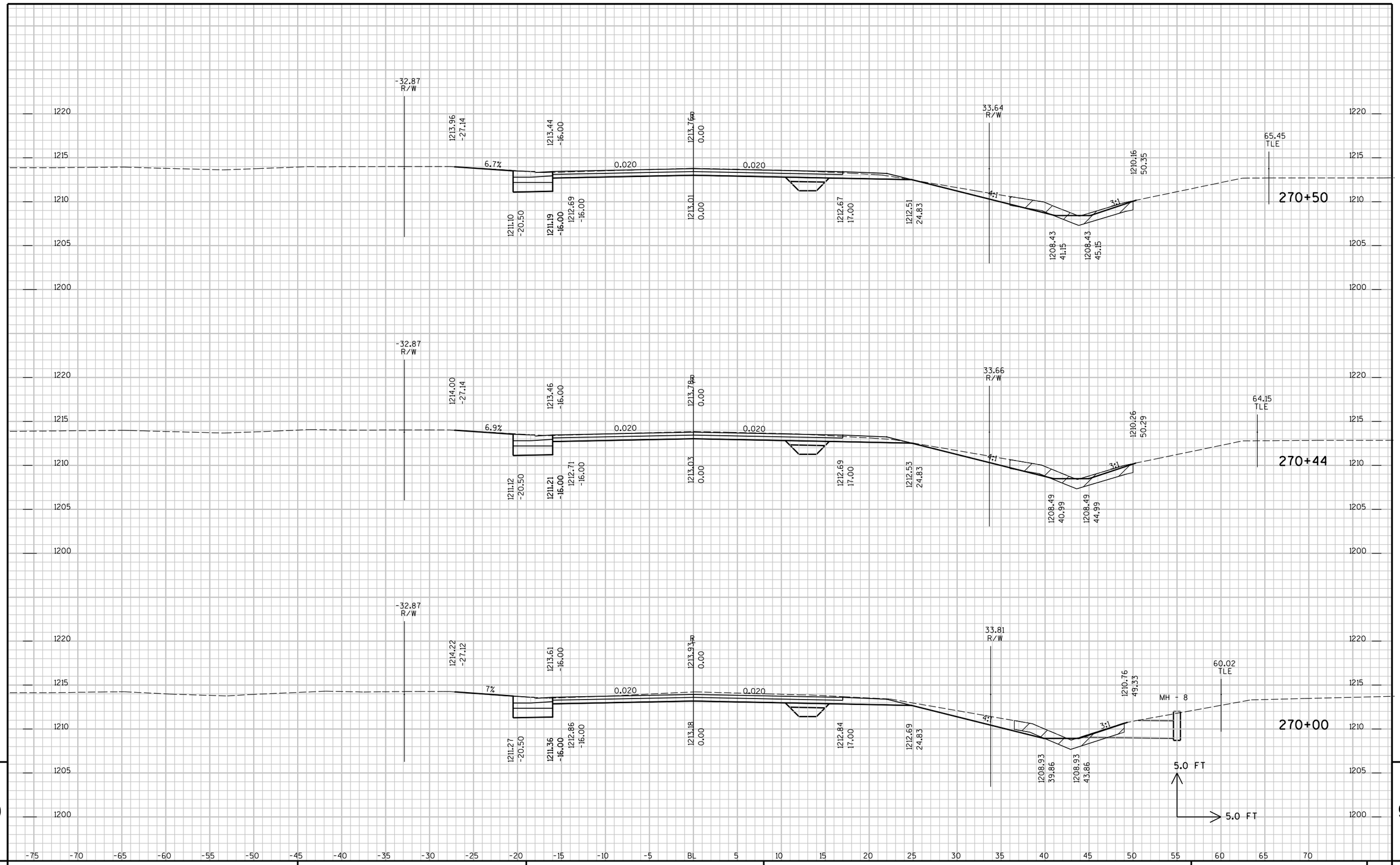


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 405	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:49 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

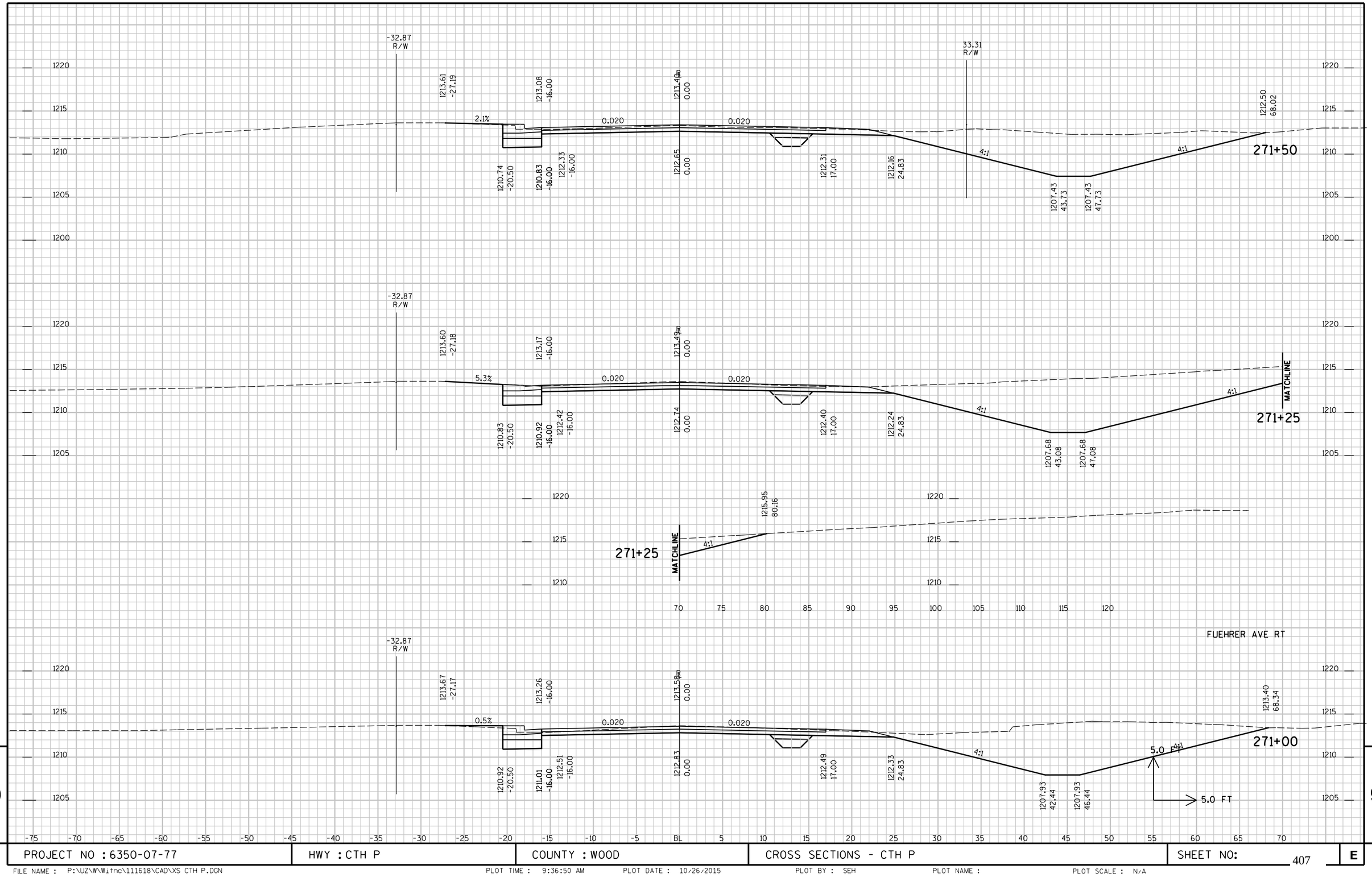


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 406	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:49 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

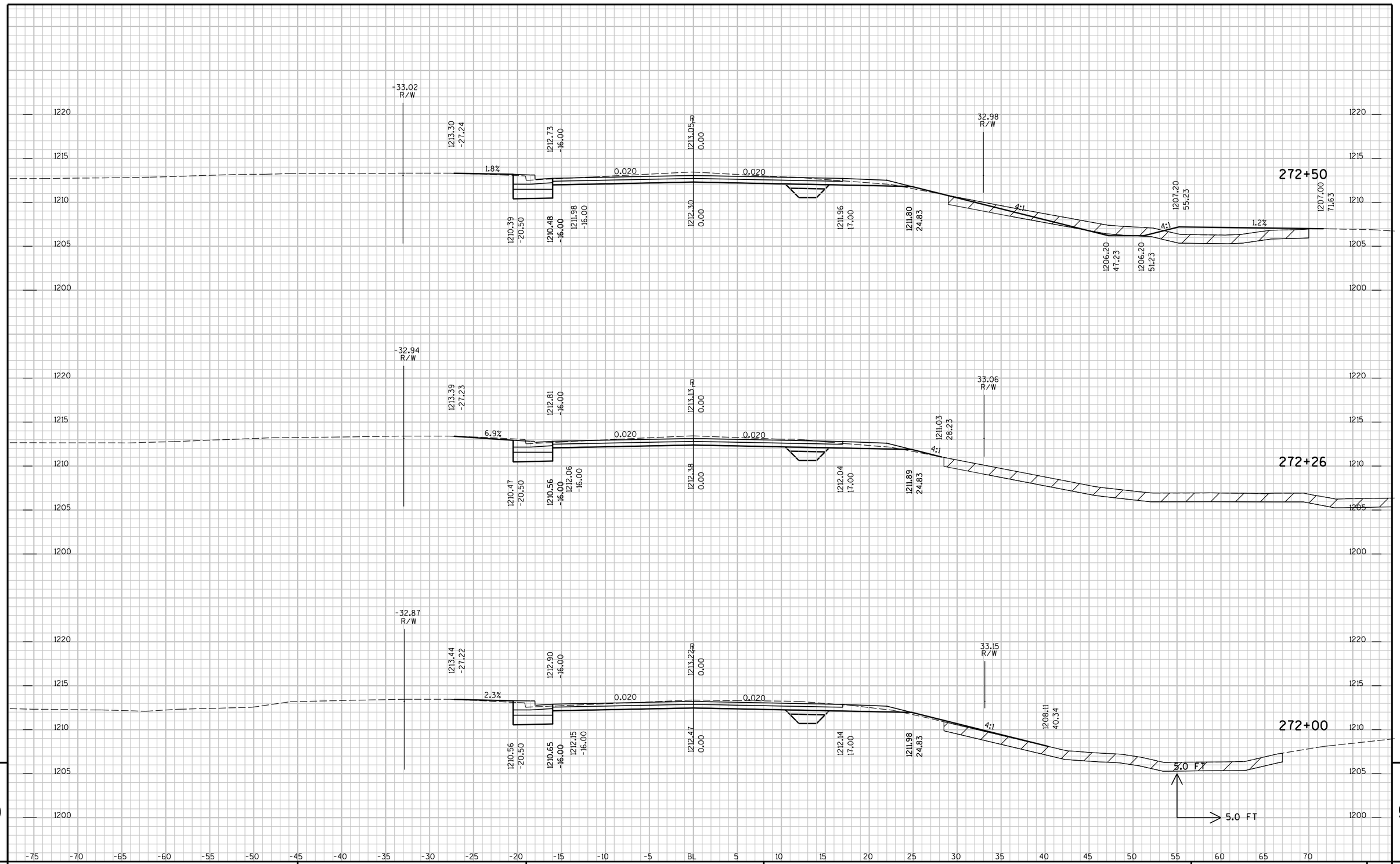


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 407	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:50 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

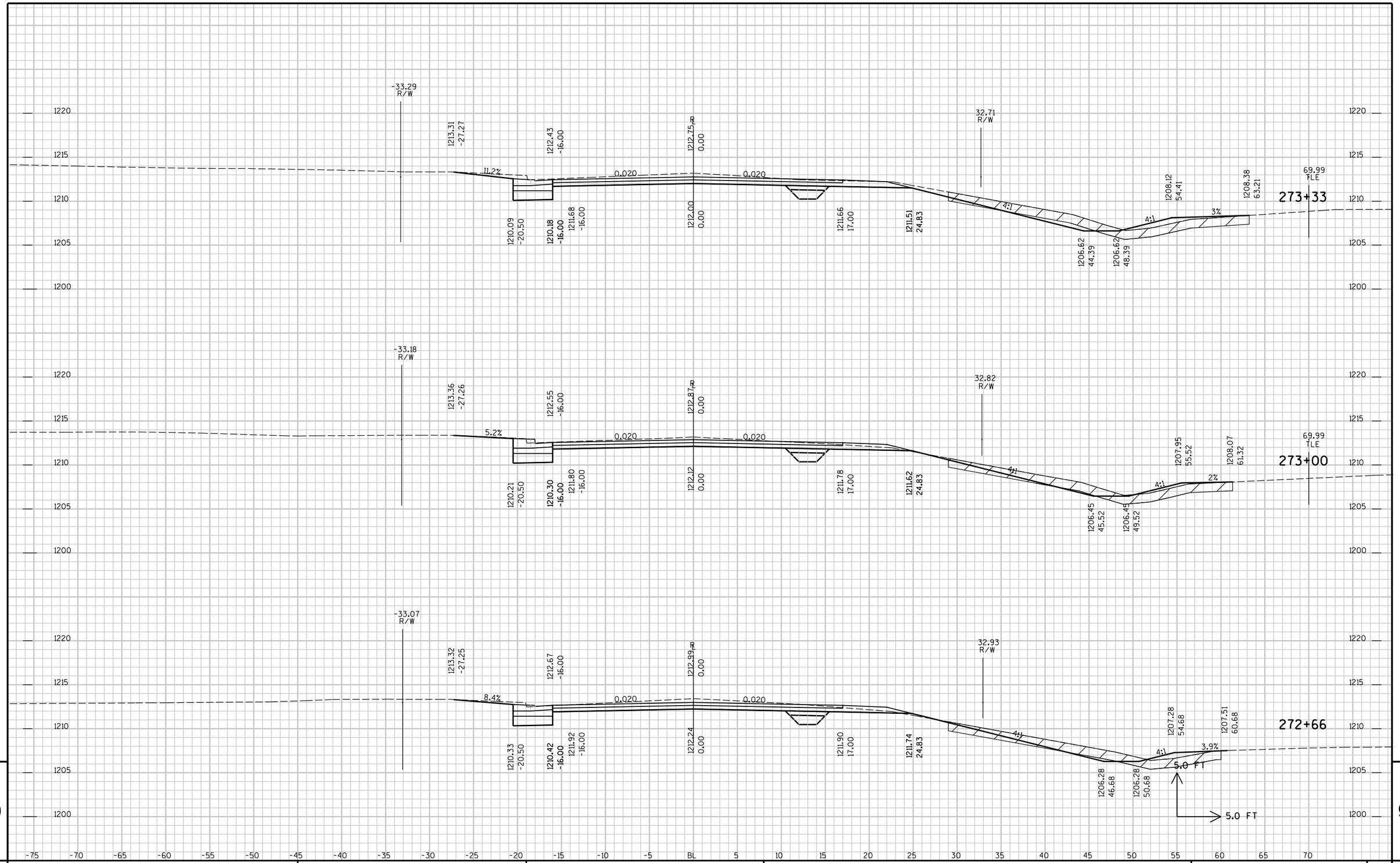


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 408	E

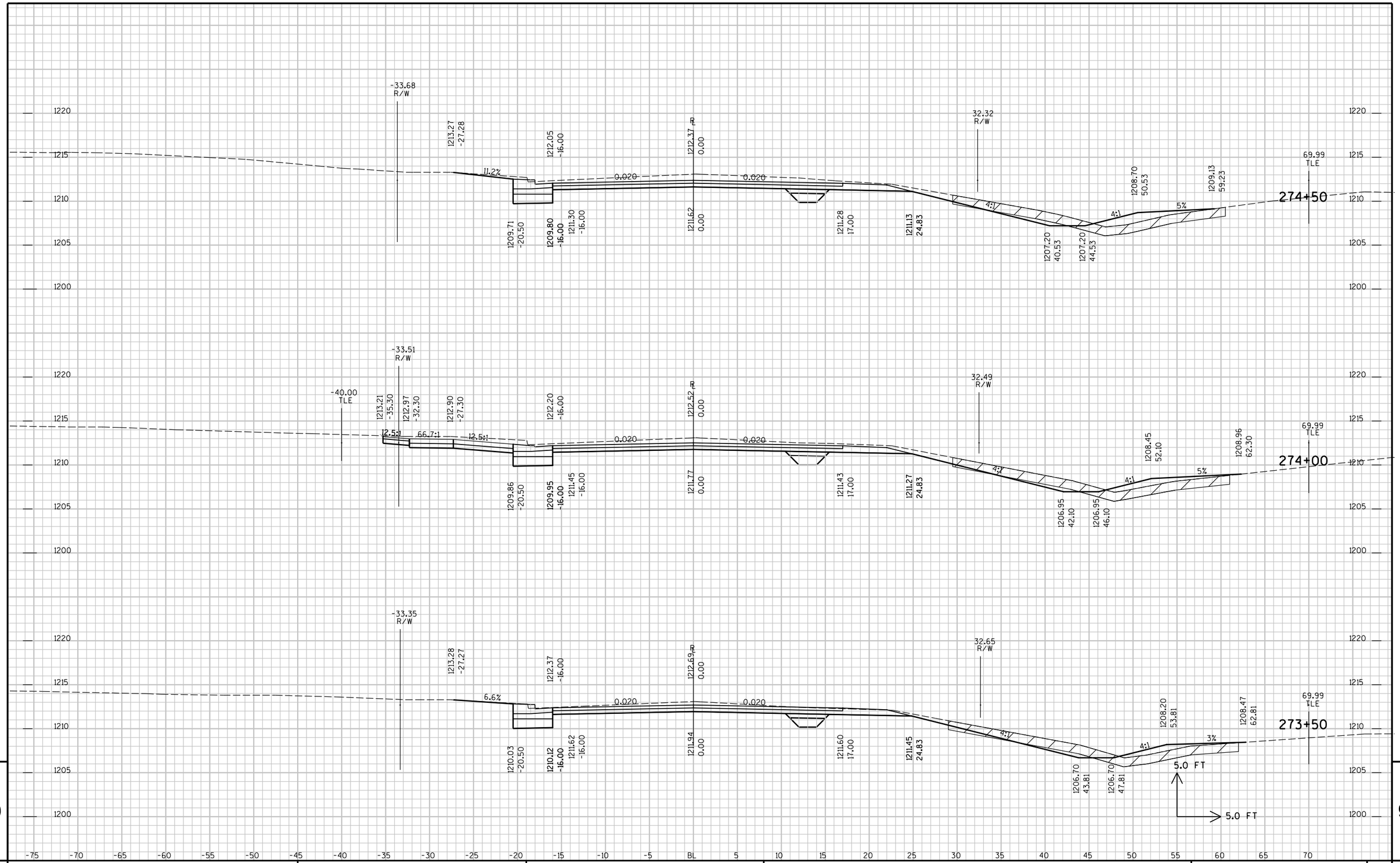
FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:50 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 409	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:50 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

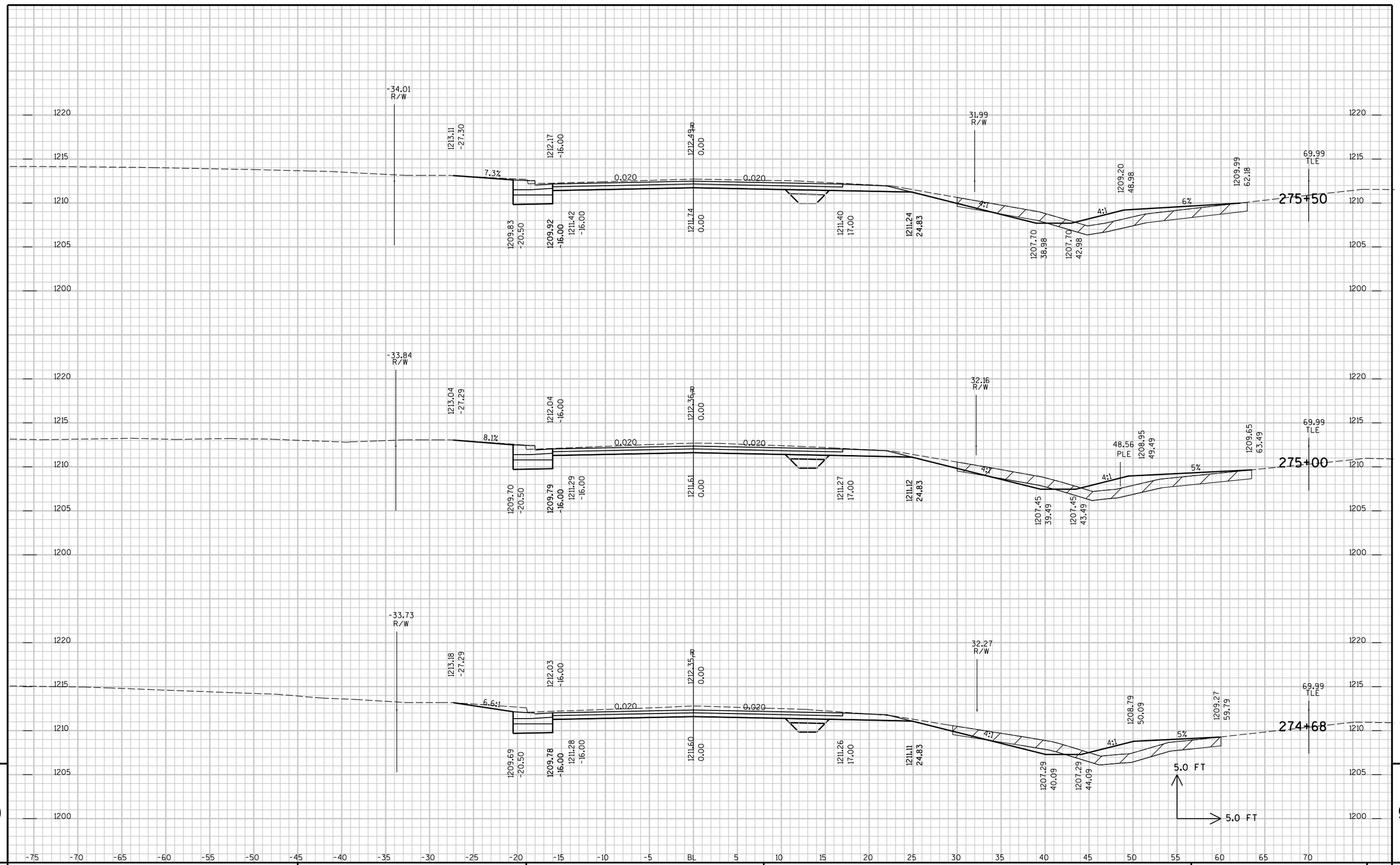


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 410	E

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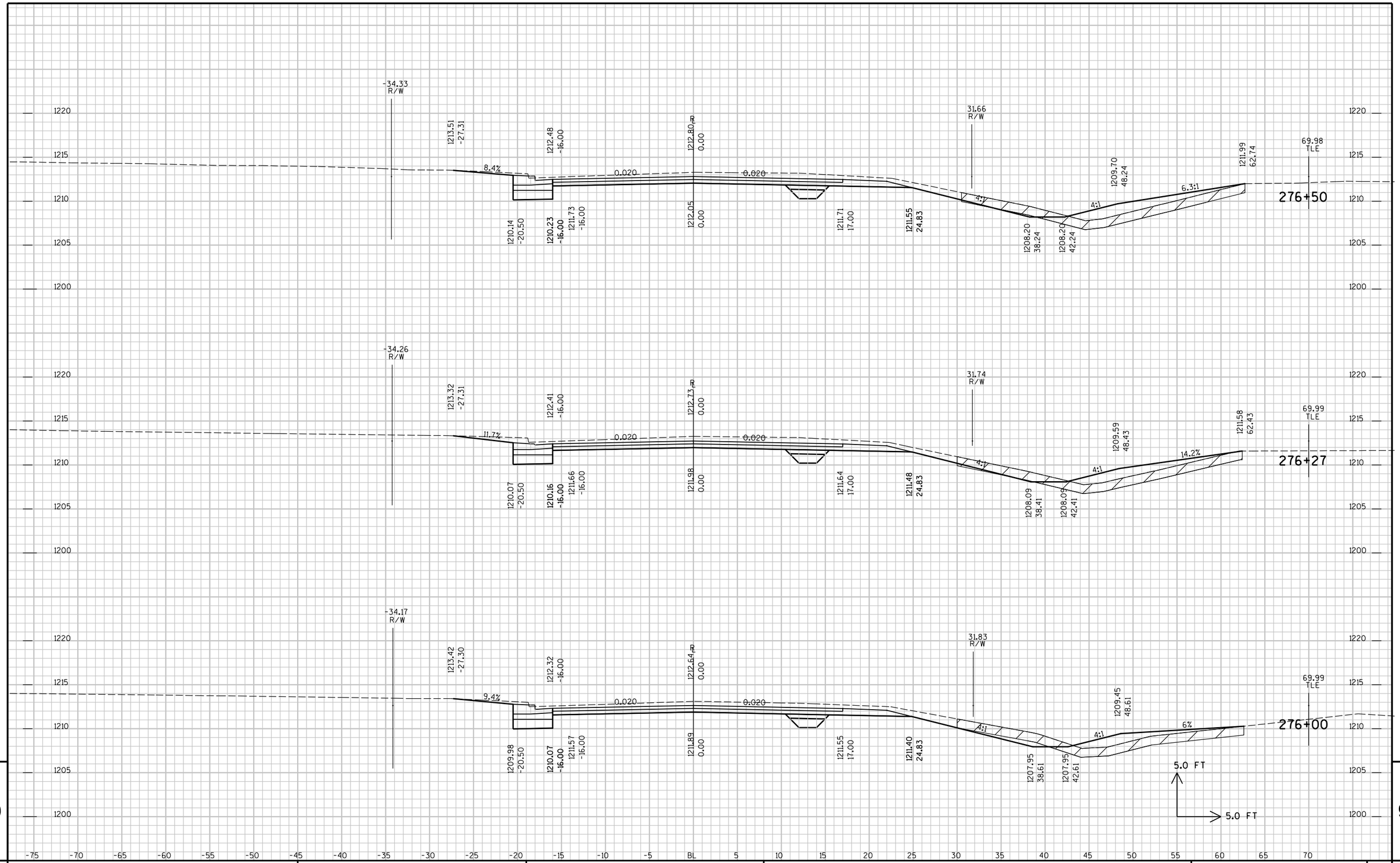


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 411	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:51 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

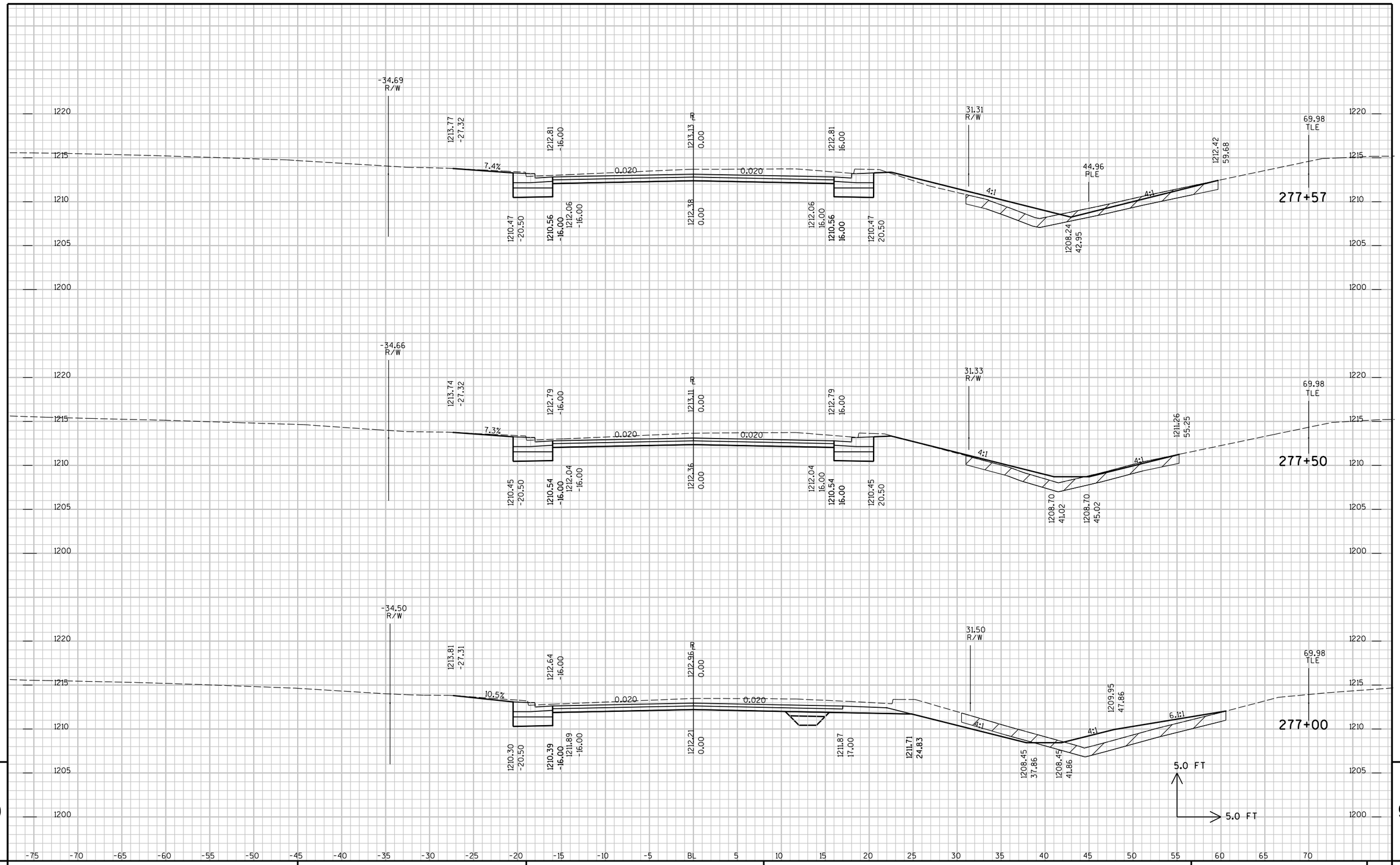


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 412	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:51 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

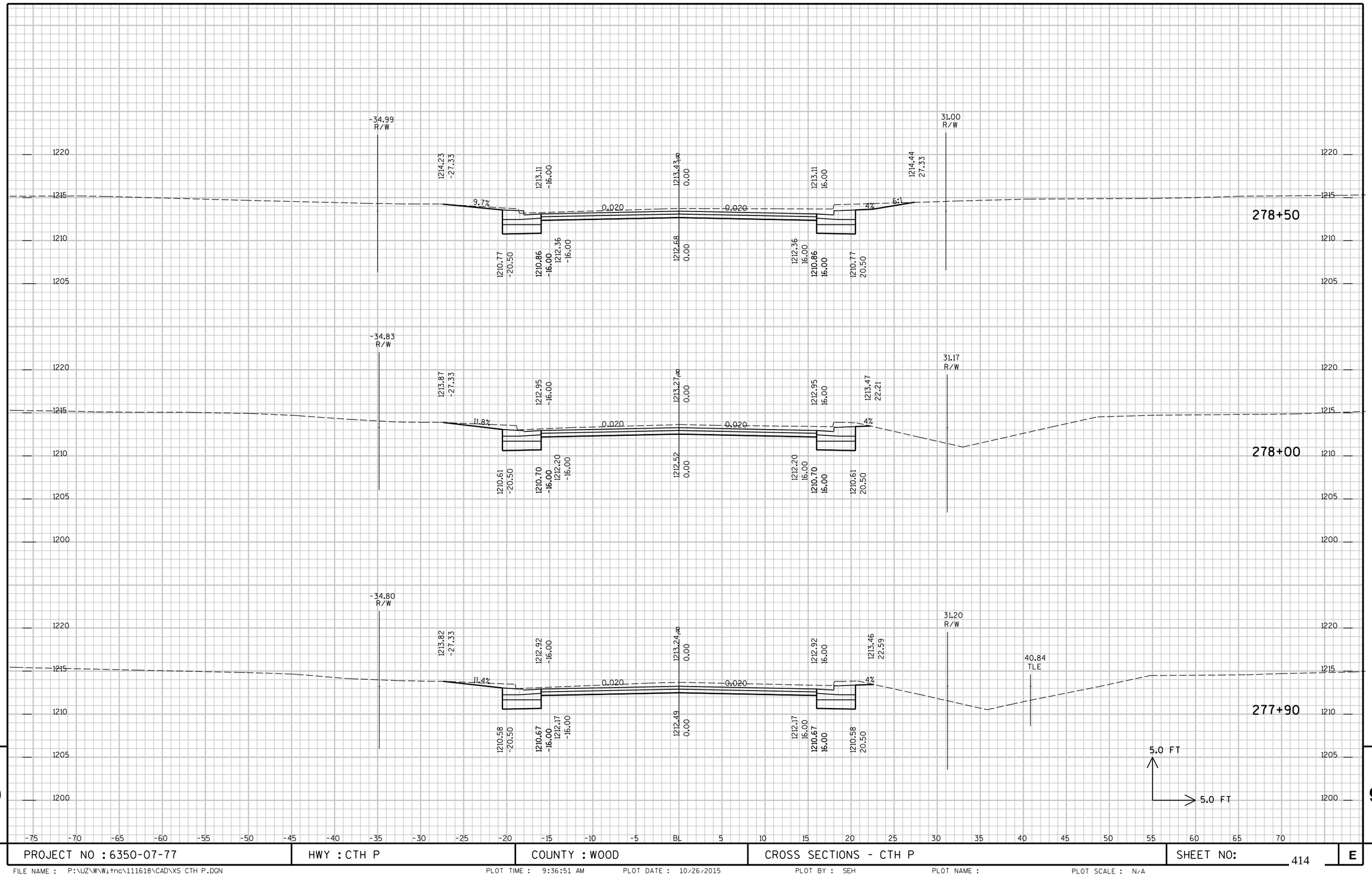


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 413	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:51 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

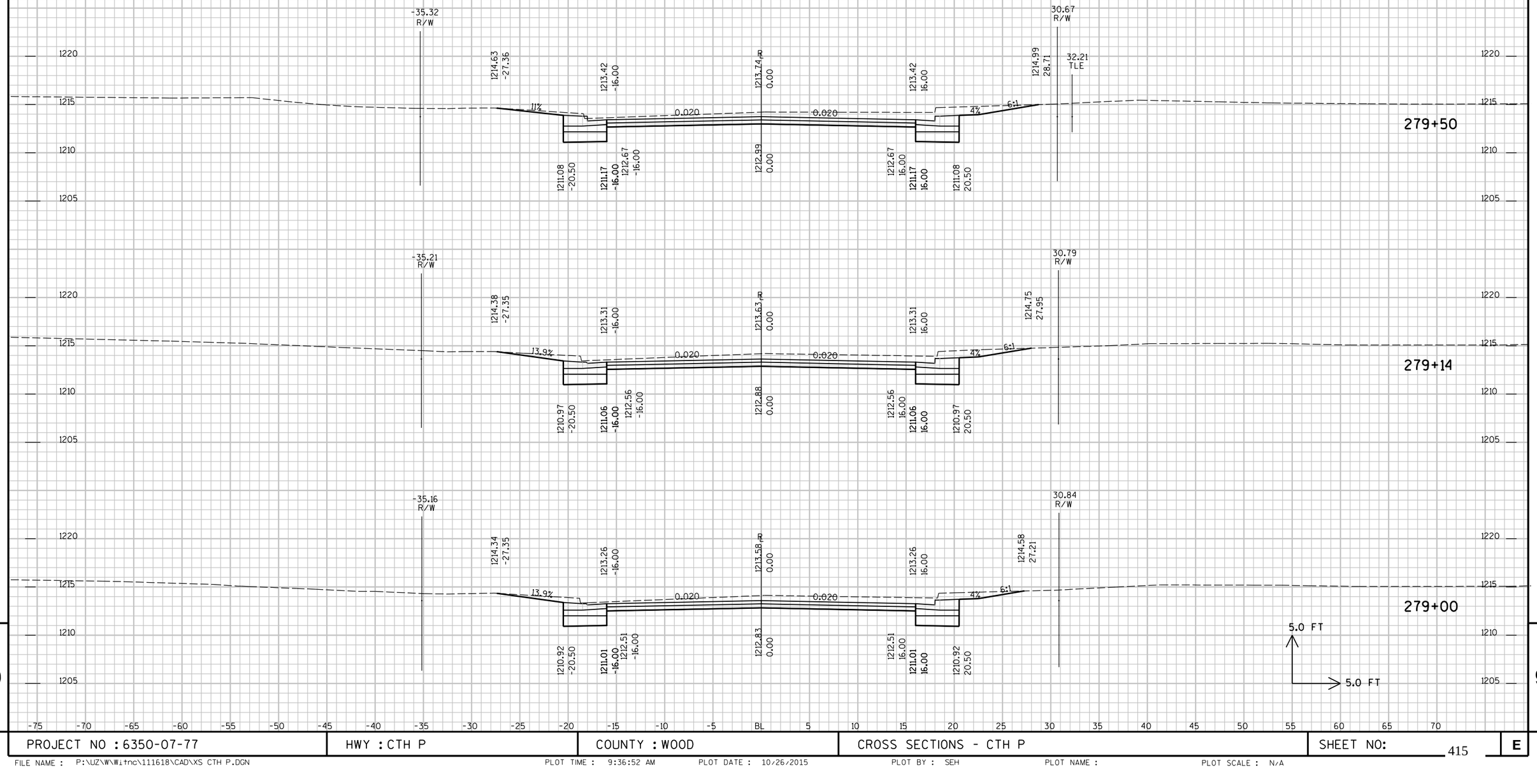


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 414	E

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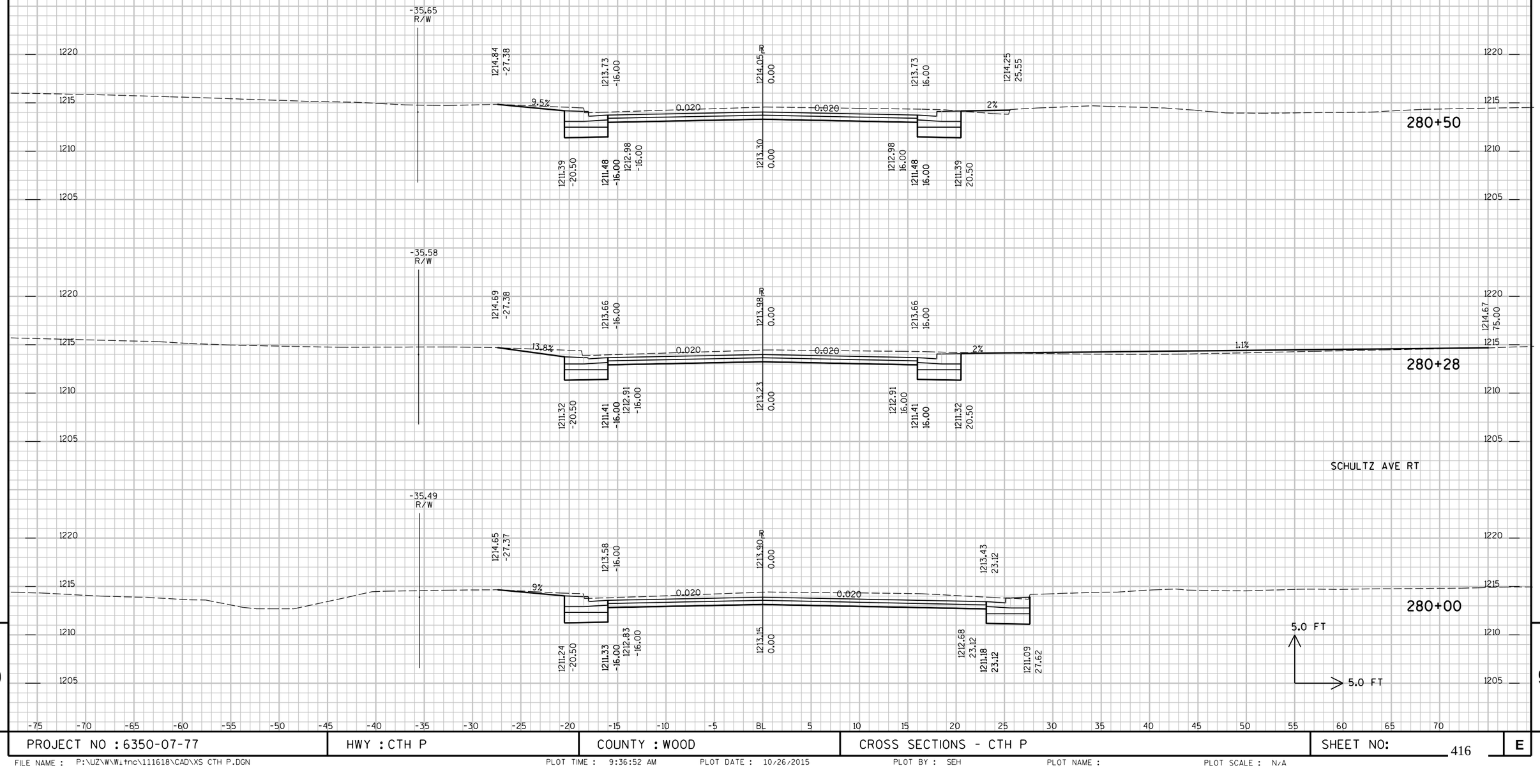


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 415	E

FILE NAME : P:\UZW\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:52 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

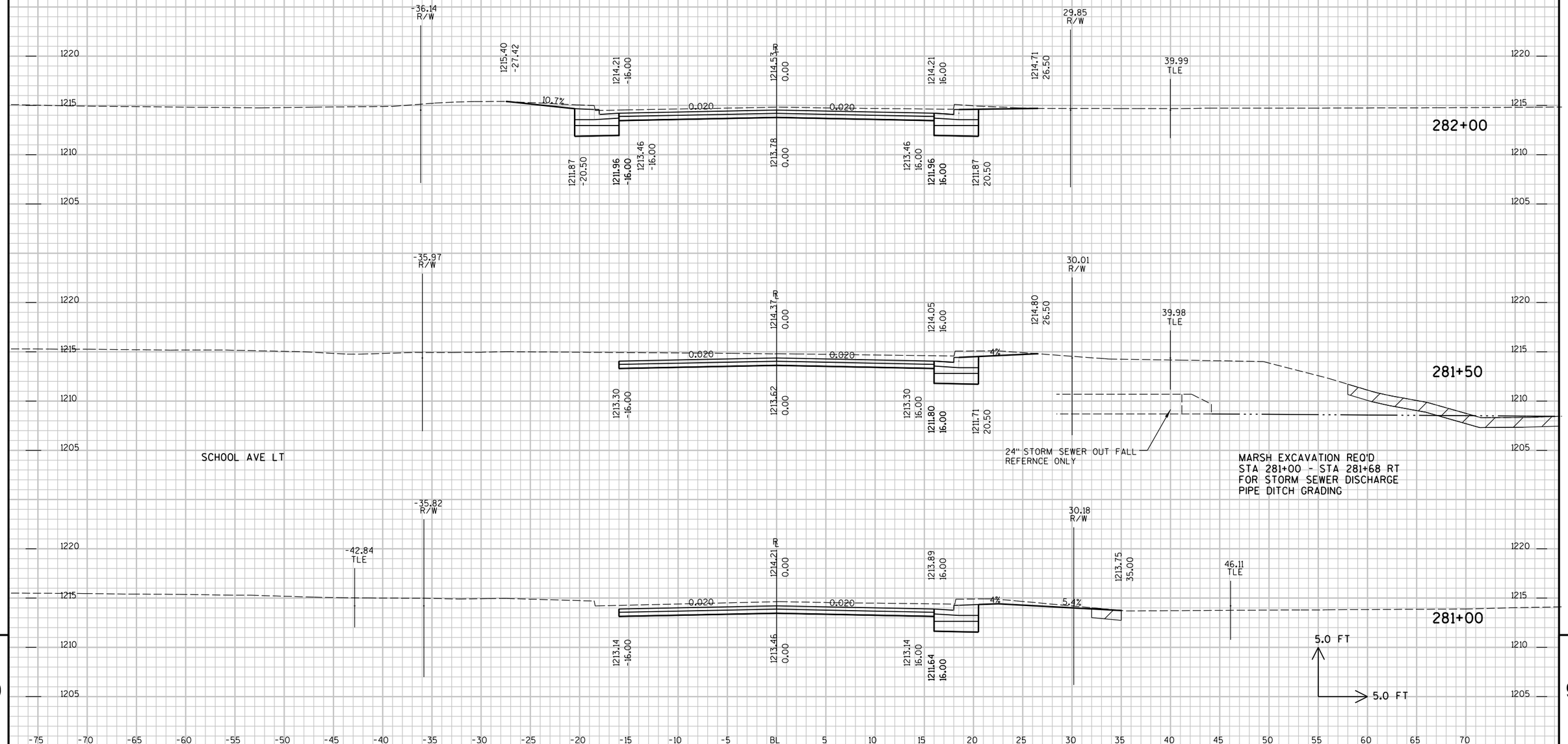


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 416	E

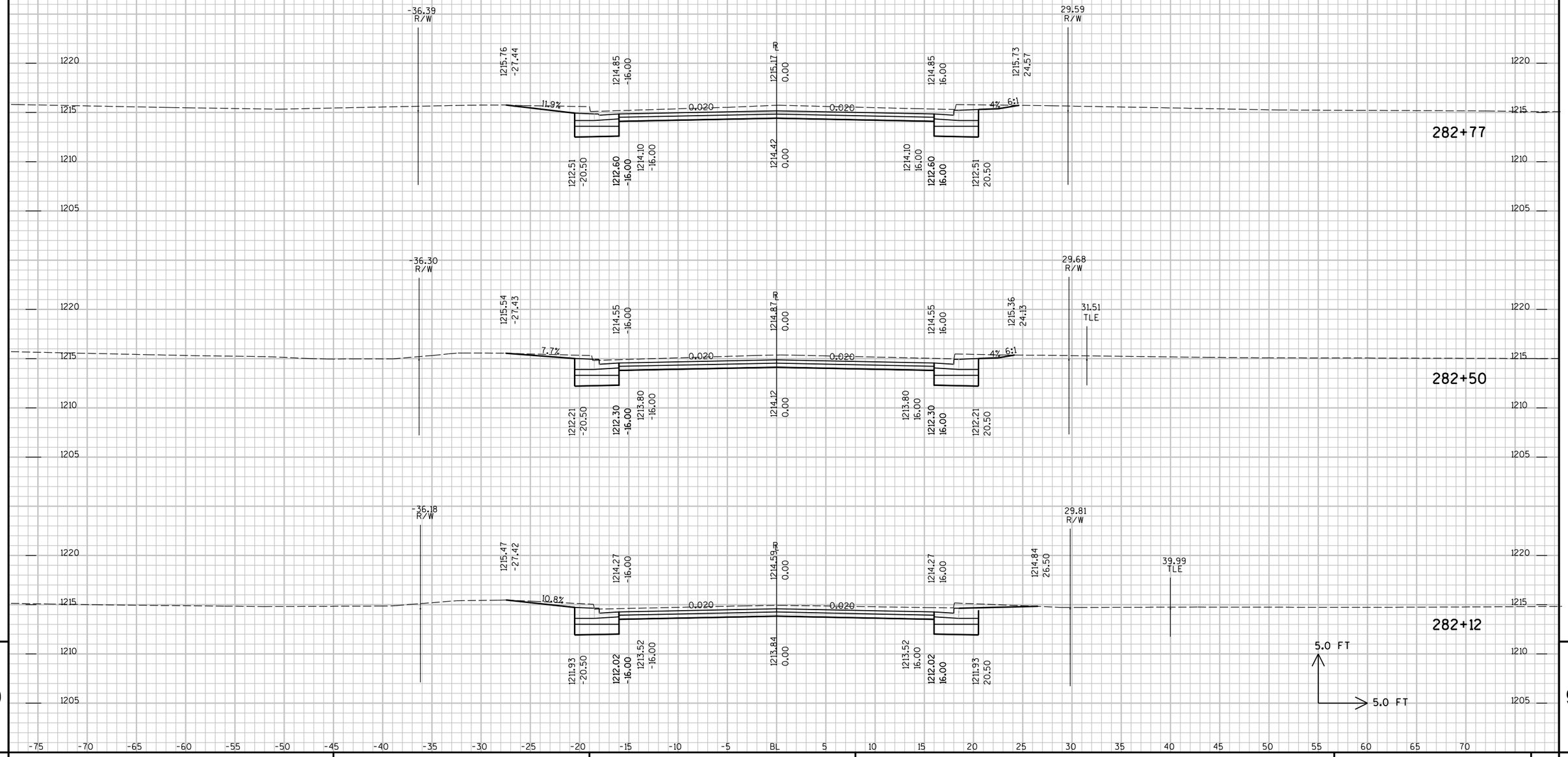
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9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 417	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 2:01:44 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

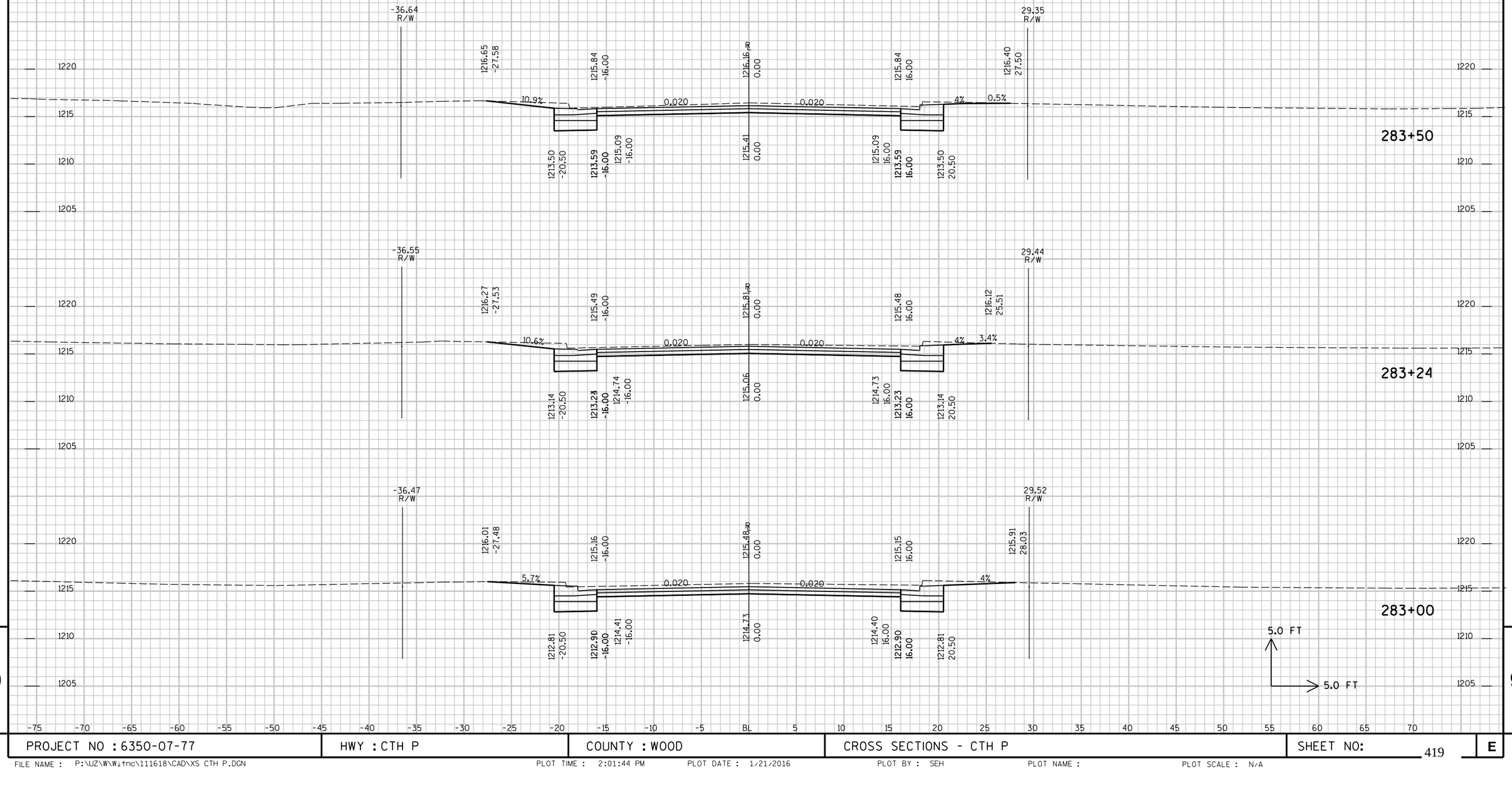


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 418	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 2:01:44 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

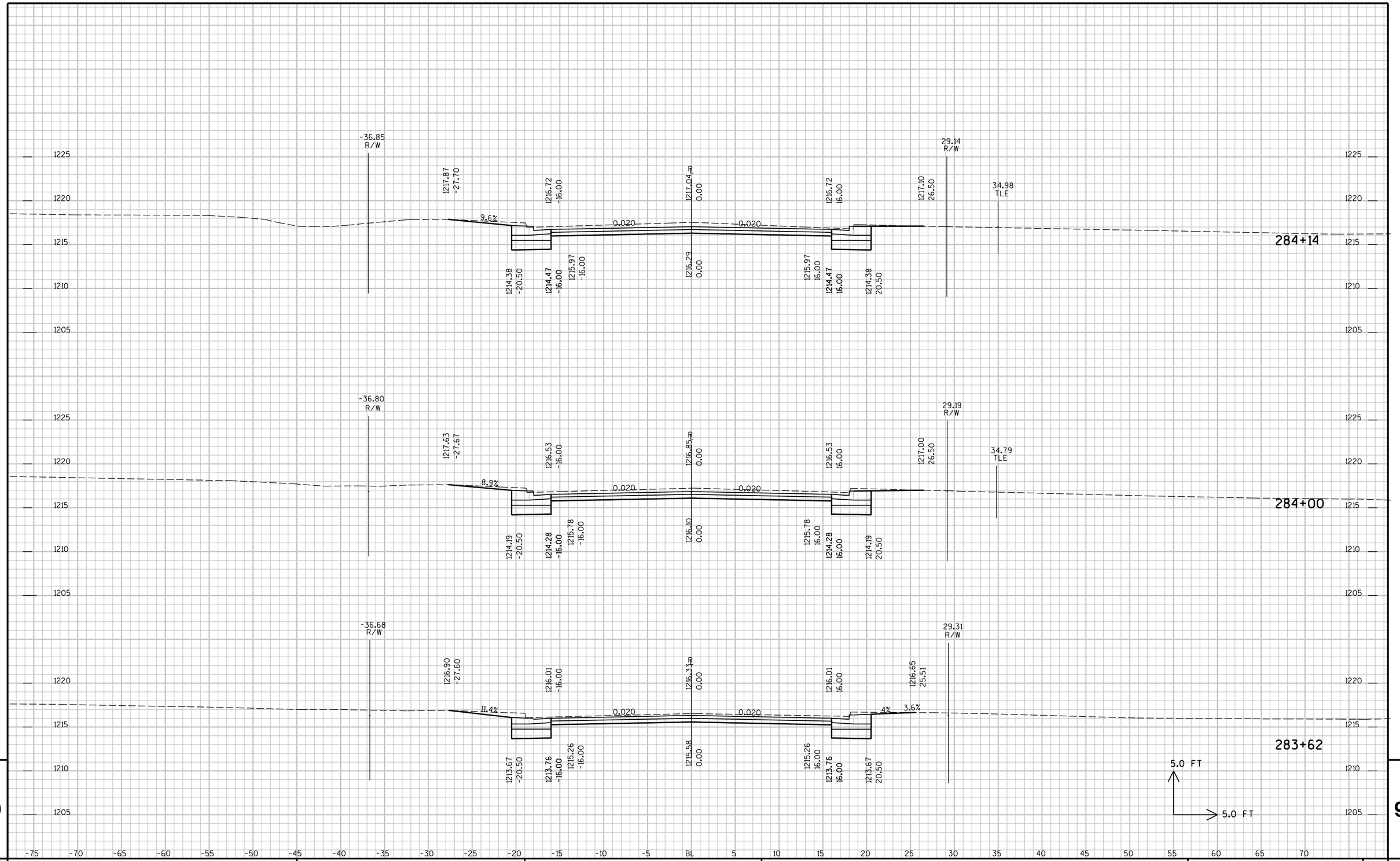
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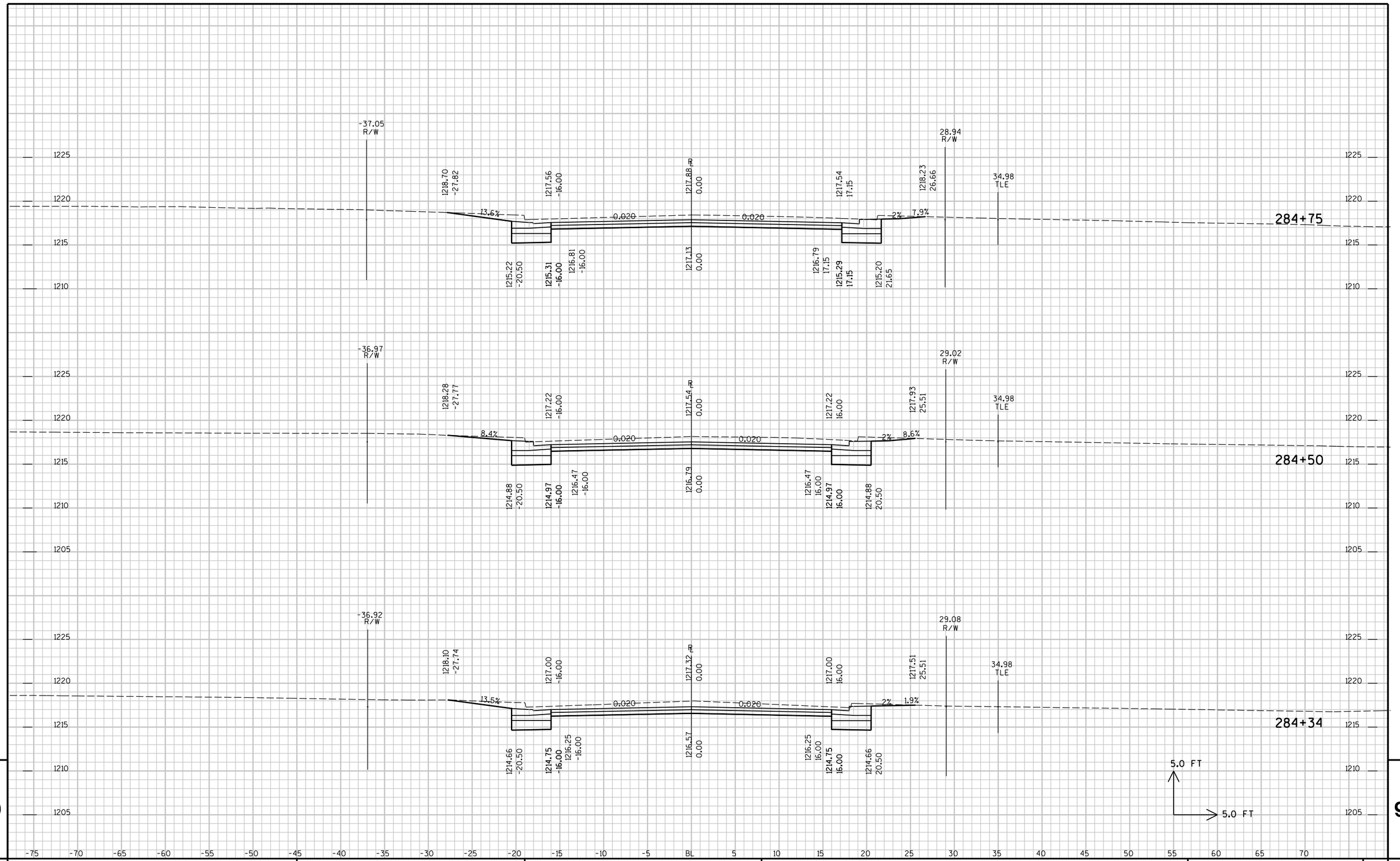
PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 419	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 2:01:44 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 420 E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 2:01:45 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

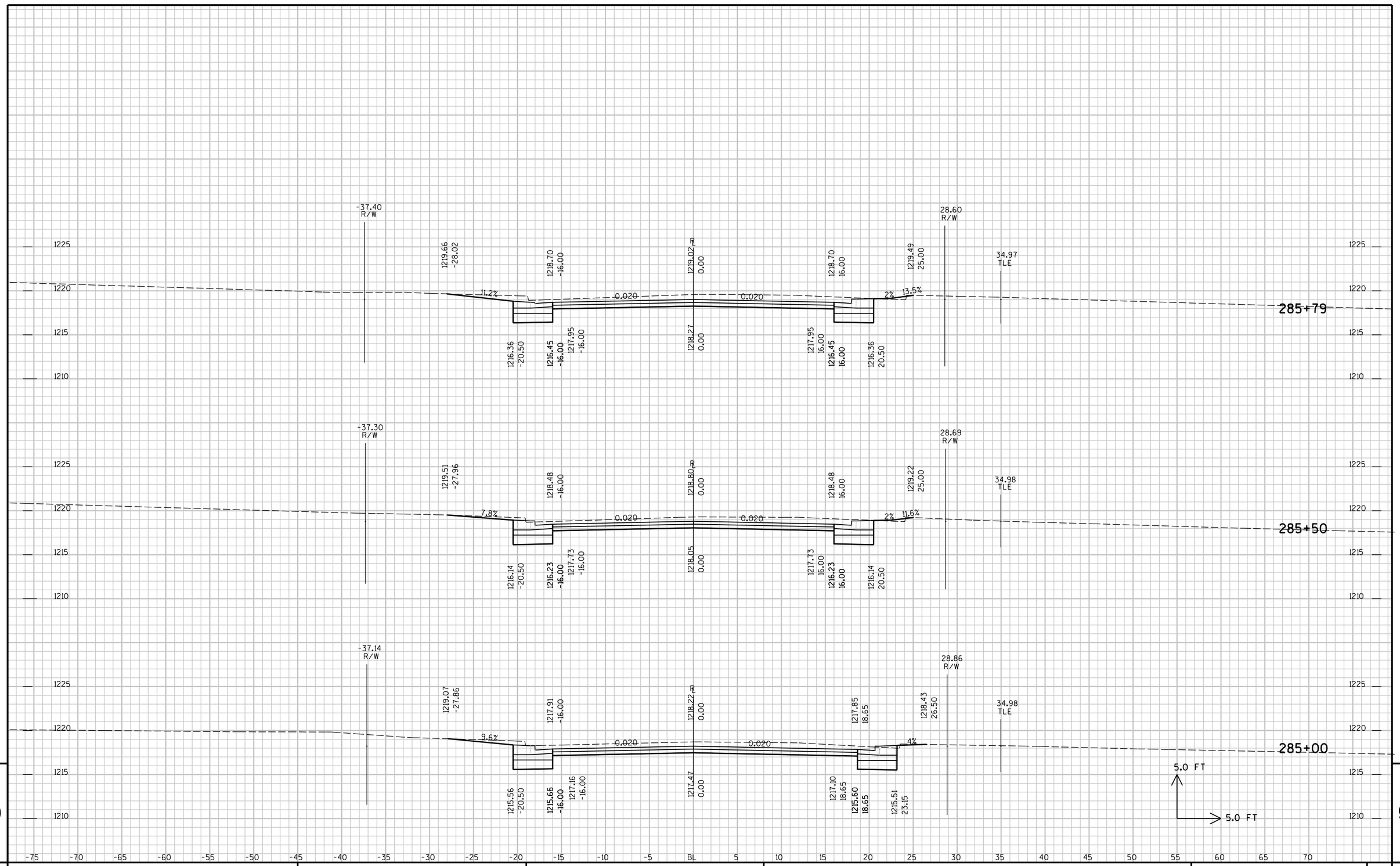


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 421	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 2:01:45 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

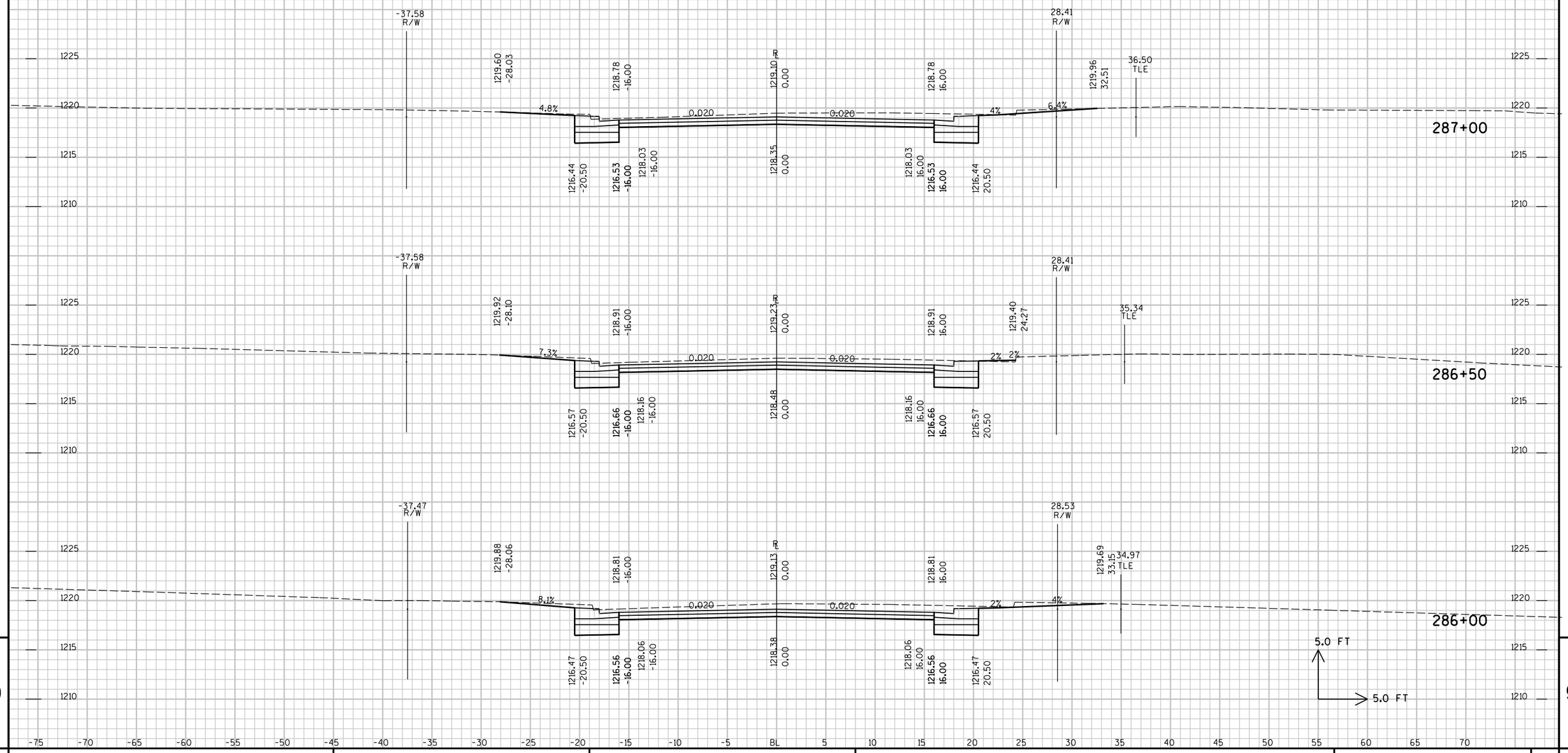


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 422	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 2:01:45 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

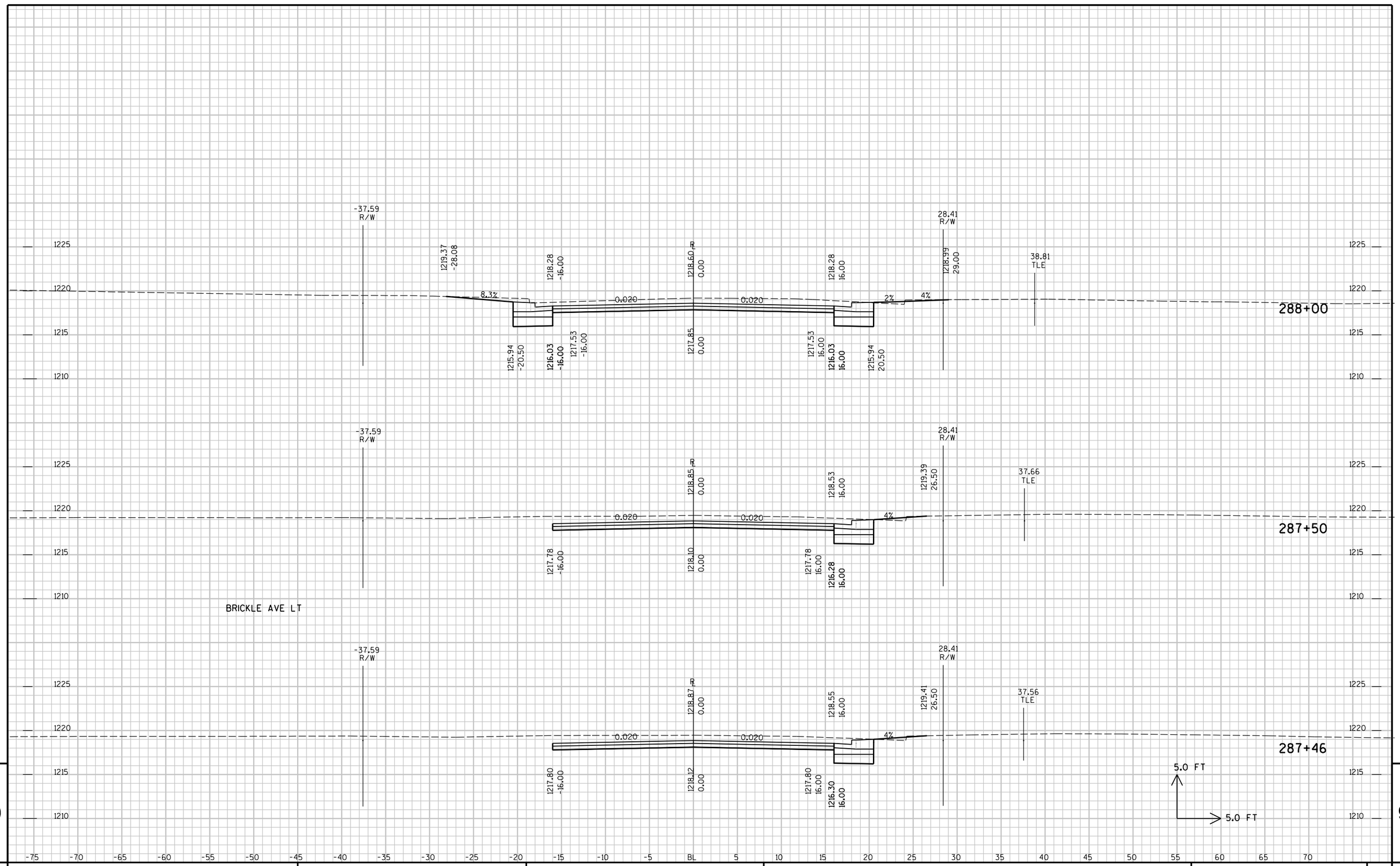


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 423	E

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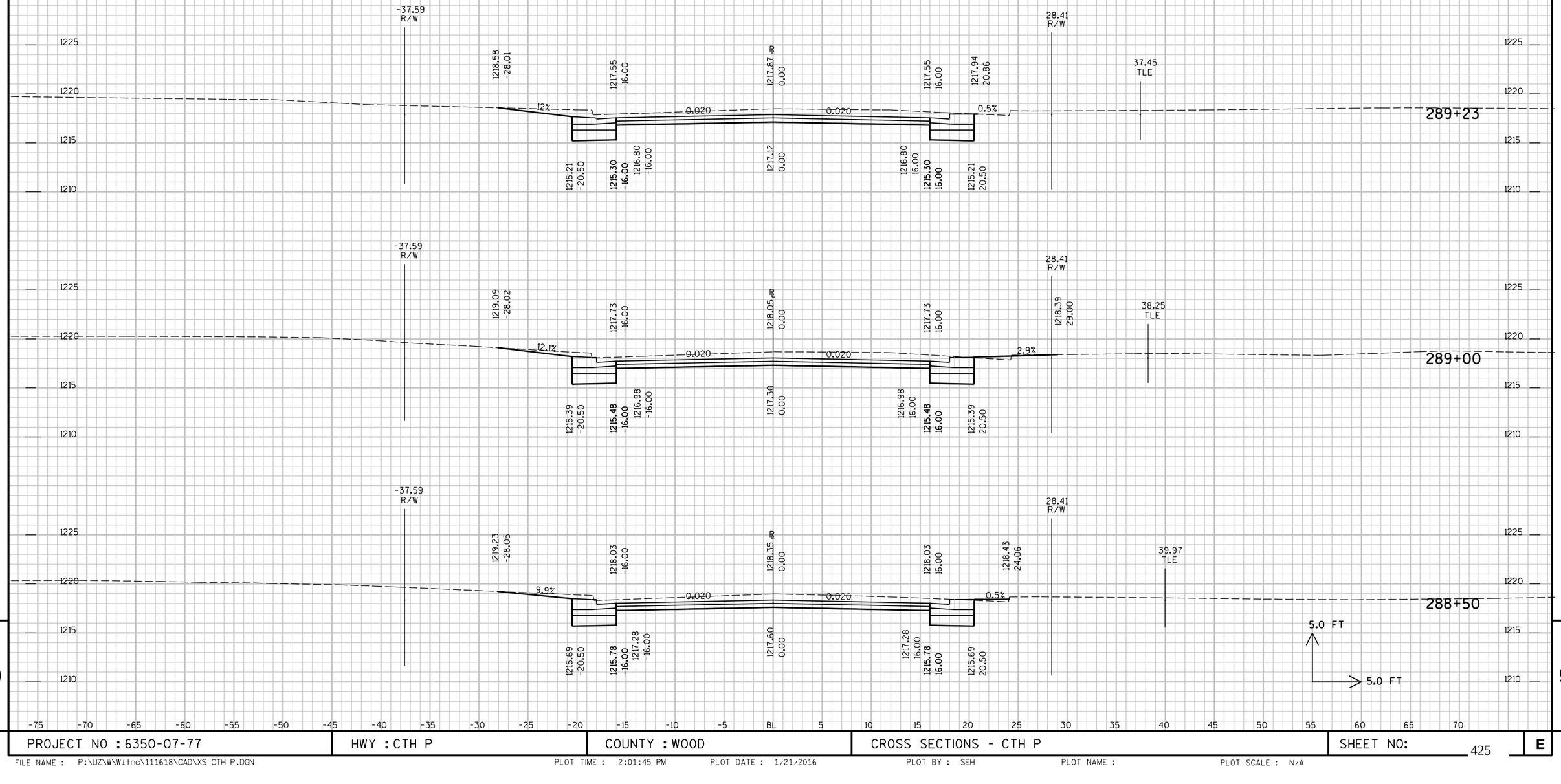


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 424	E

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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 425	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 2:01:45 PM PLOT DATE : 1/21/2016 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

GEORGE AVE LT & RT

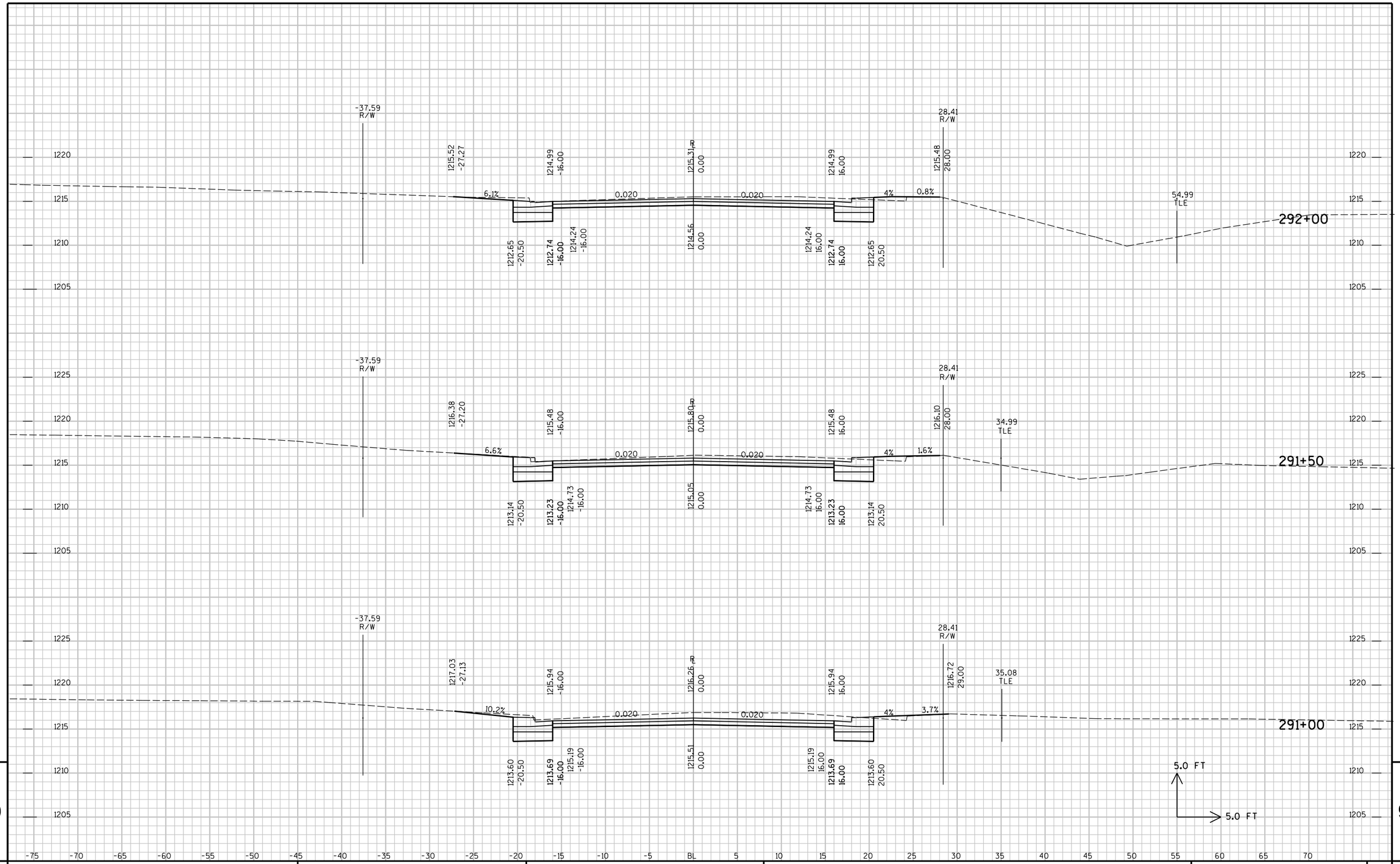




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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 426	E

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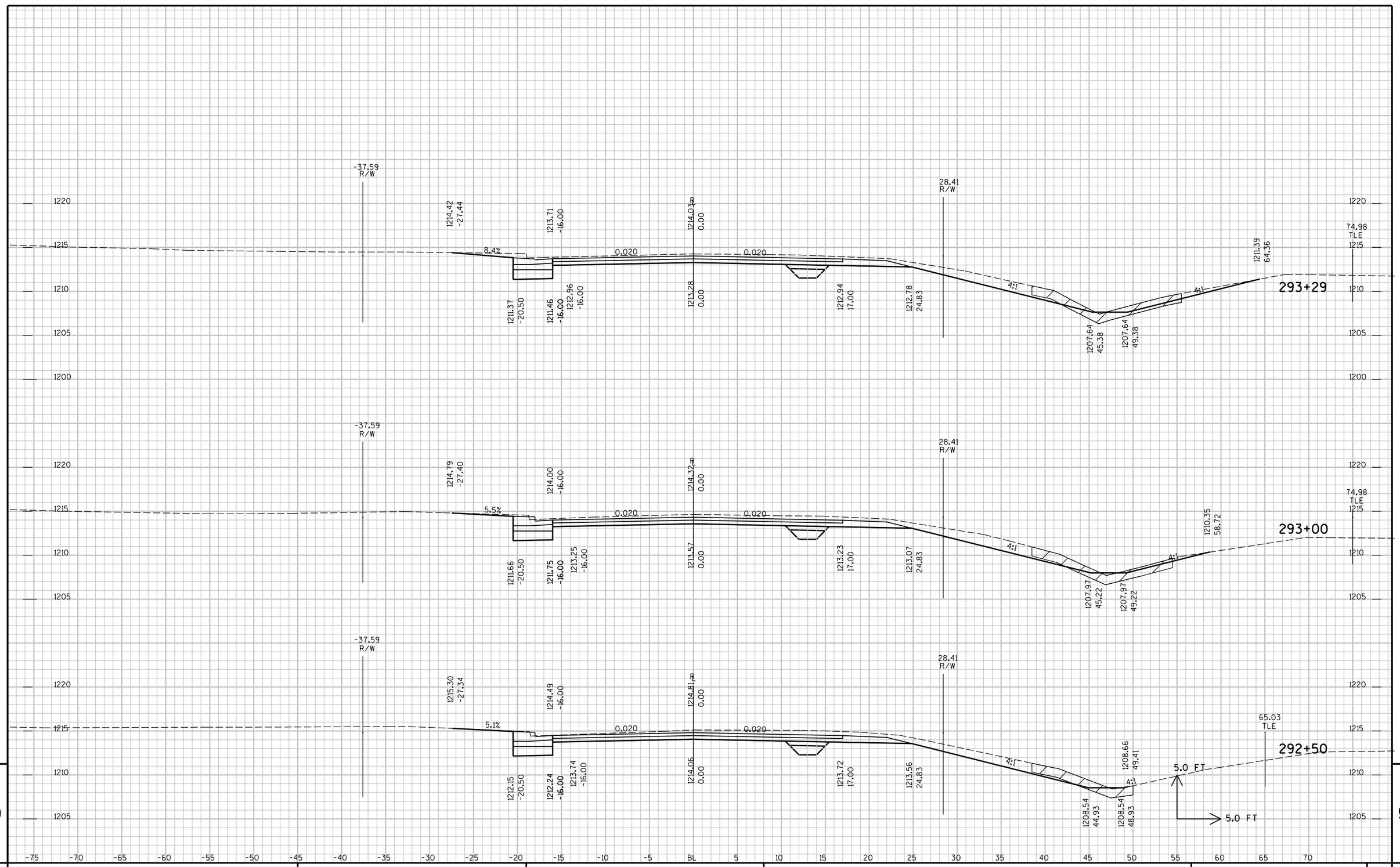


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 427	E

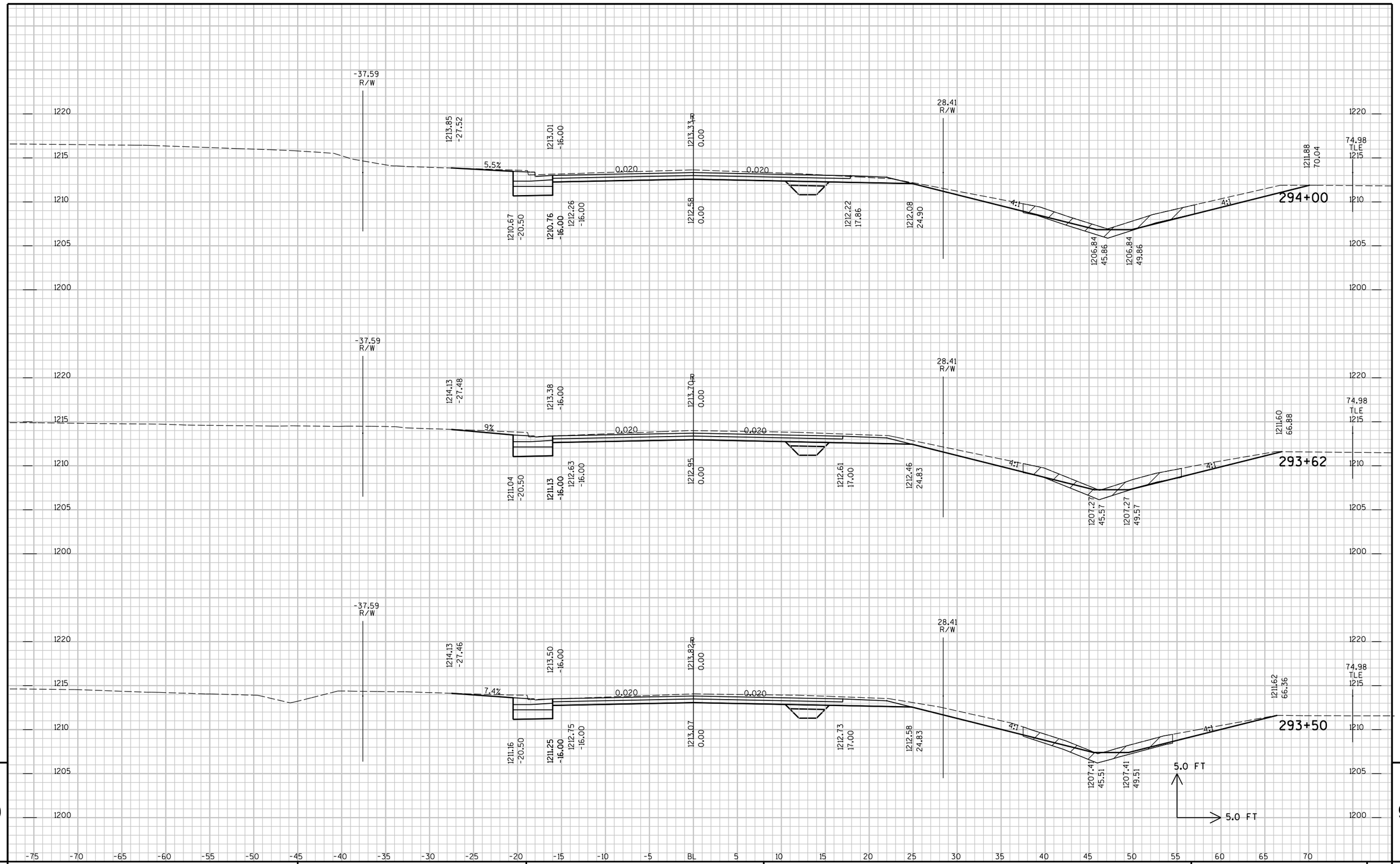
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 428	E

FILE NAME : P:\UZ\WW\itnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:55 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

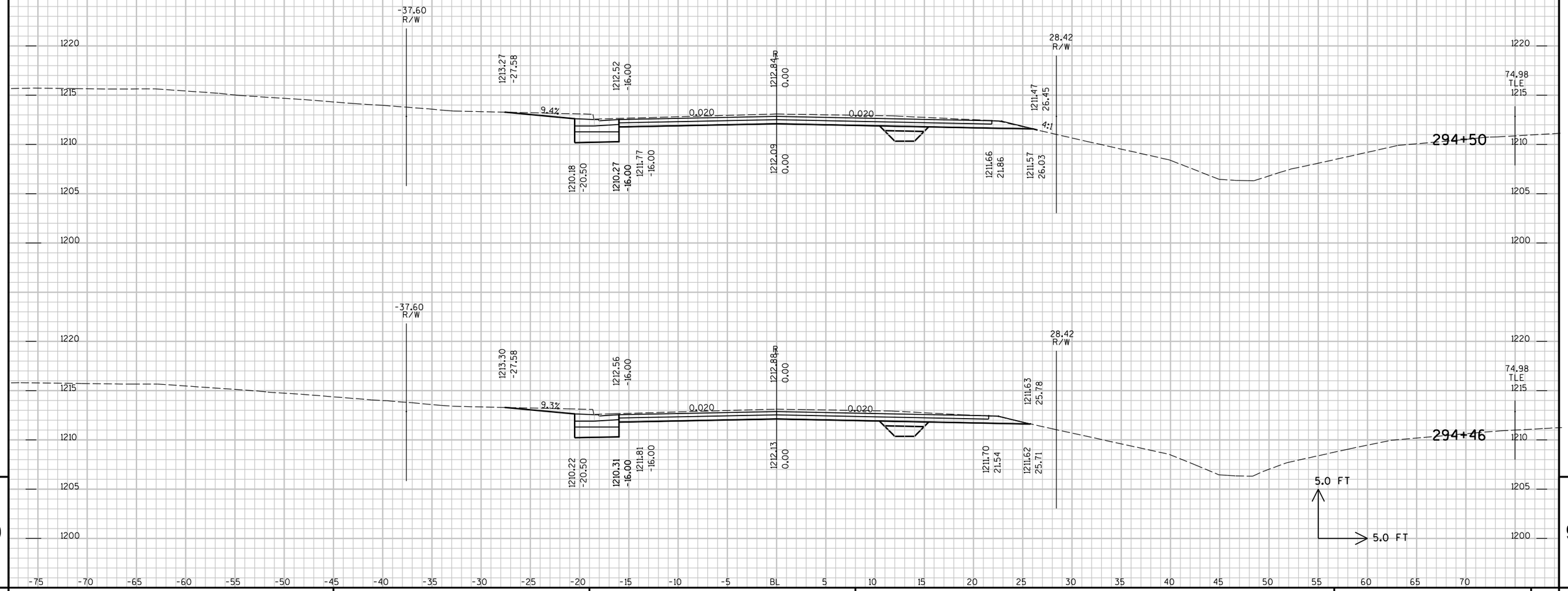


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 429	E

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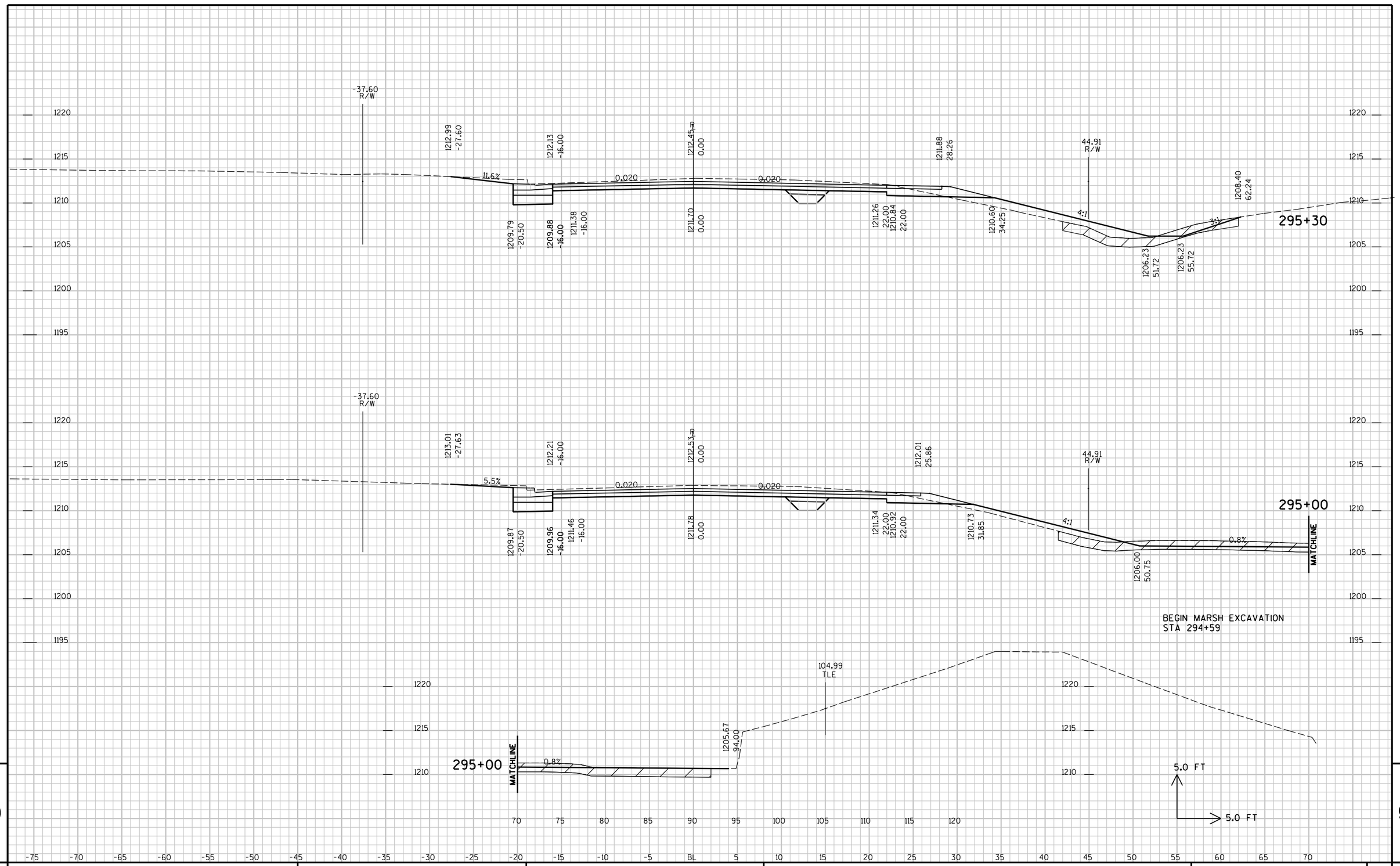


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 430	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:56 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

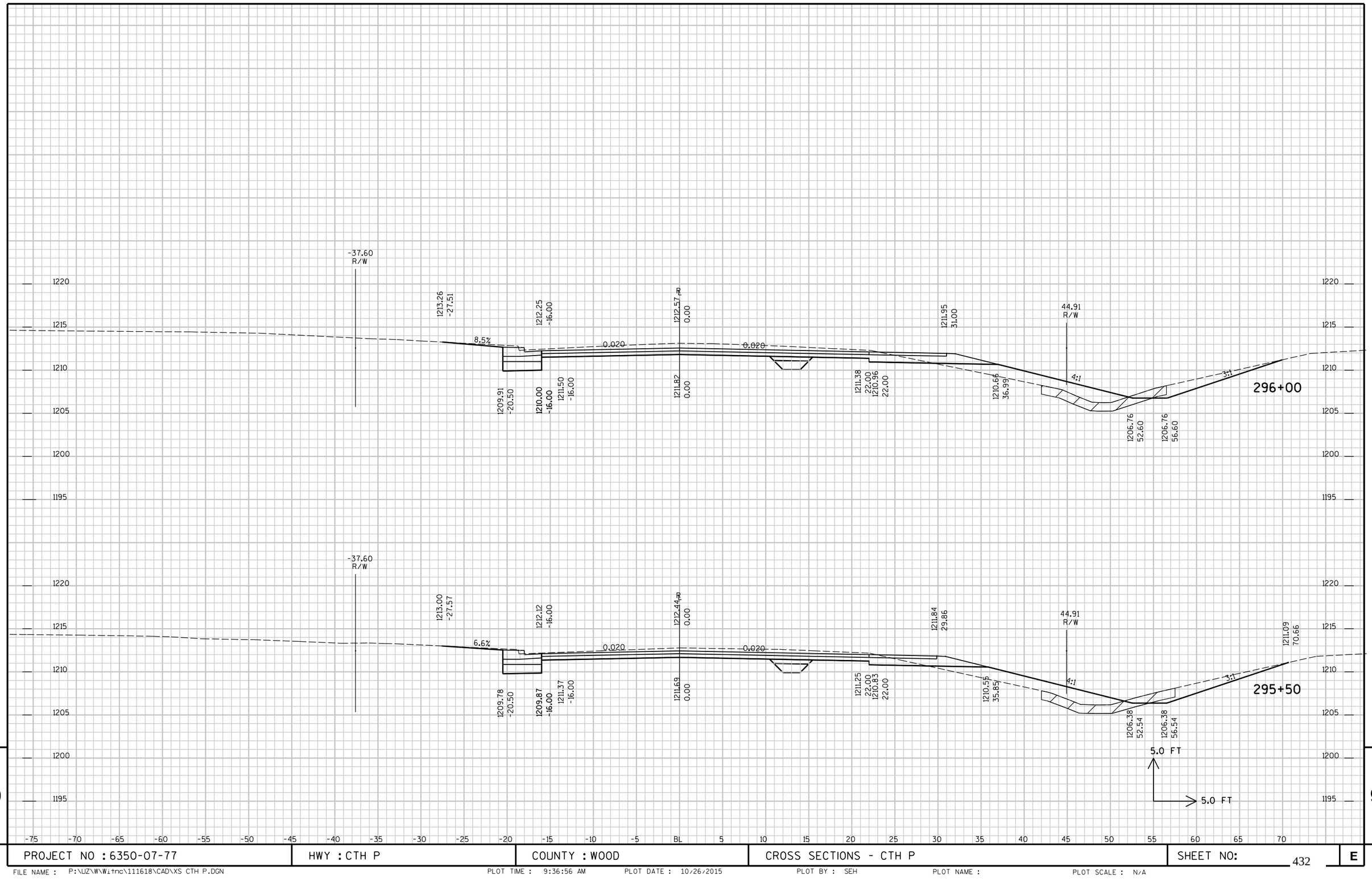


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 431	E

FILE NAME : P:\UZ\WI\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:56 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

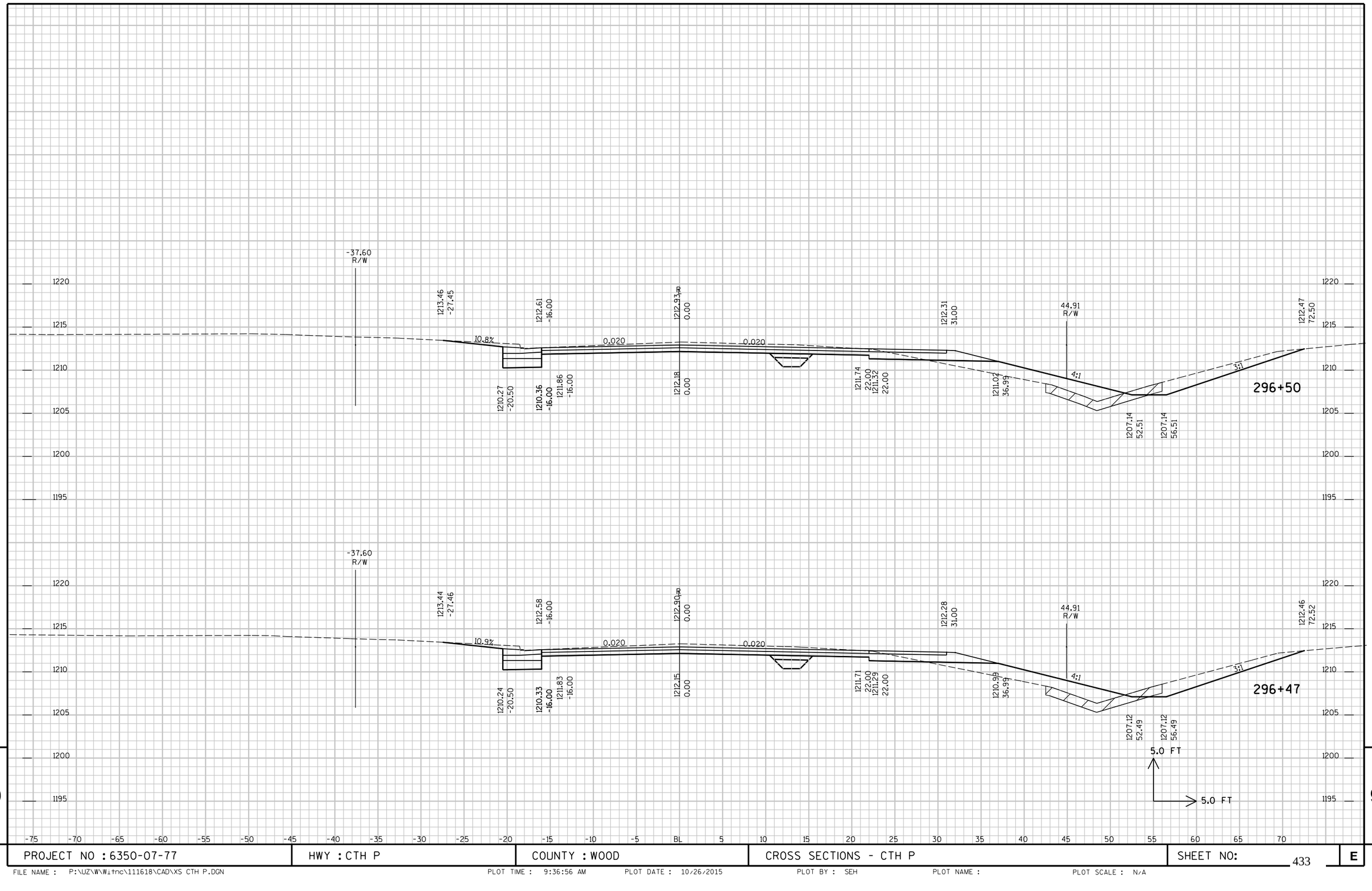


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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 432	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:56 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

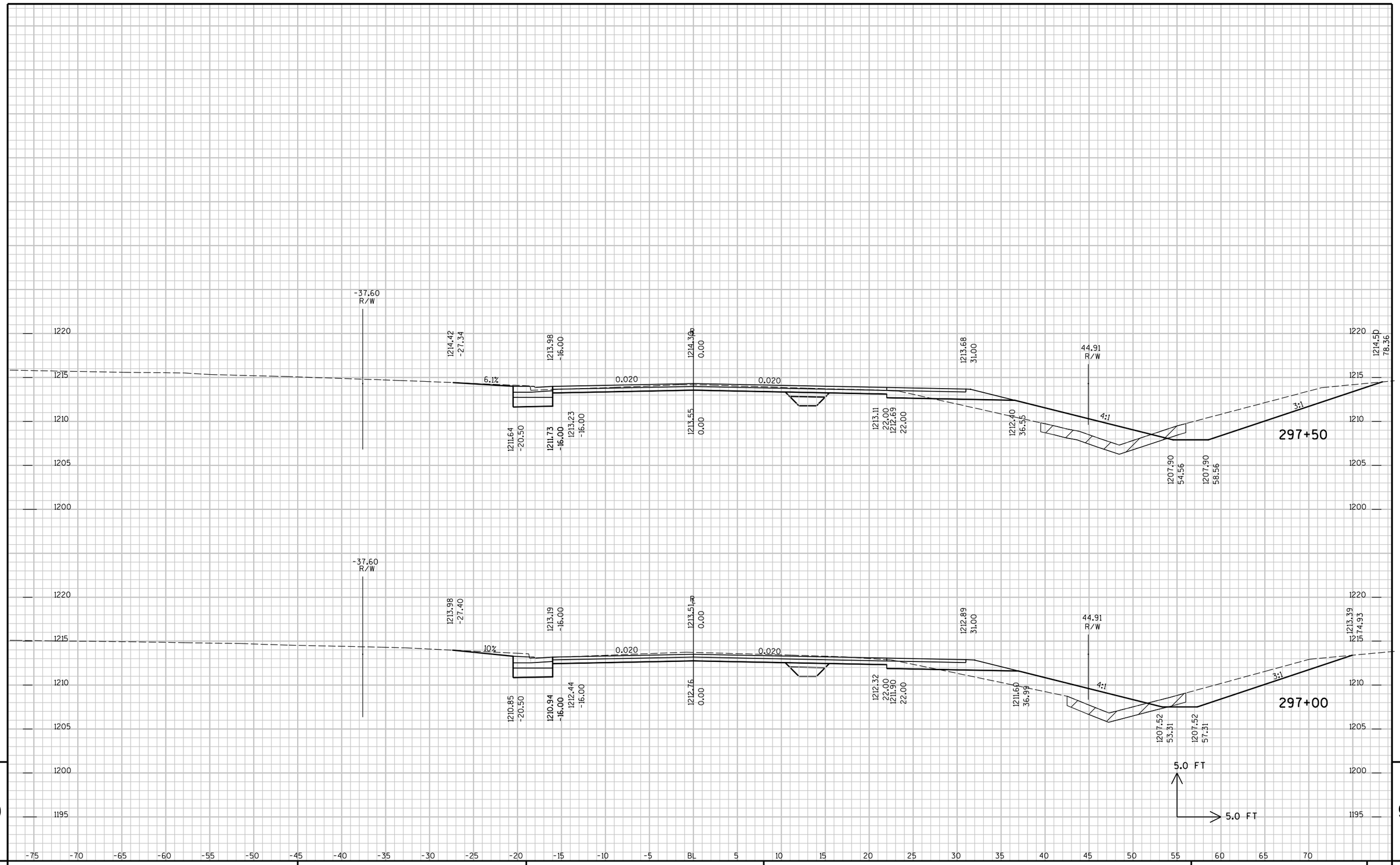


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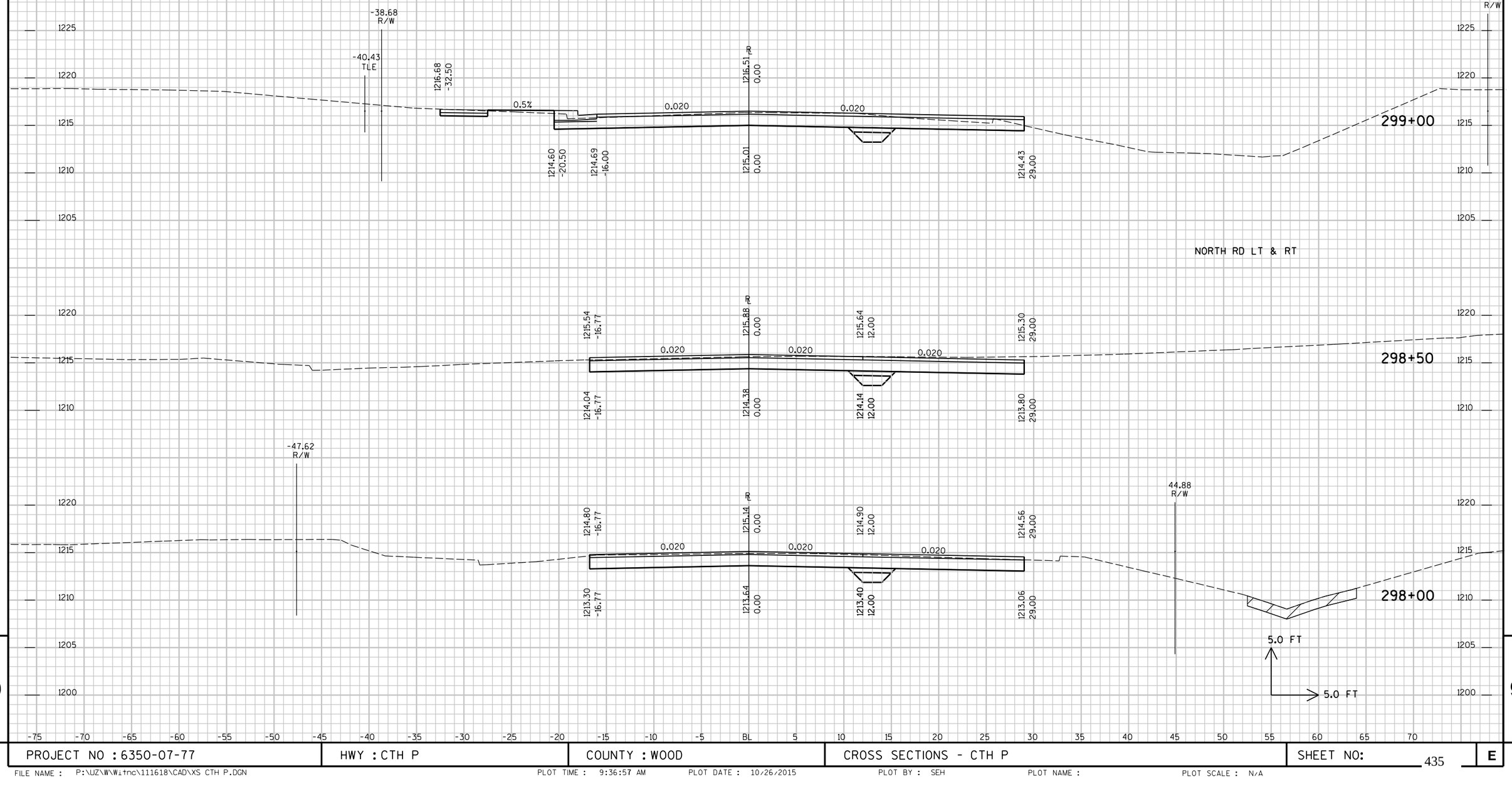
PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 433	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:56 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 434 E

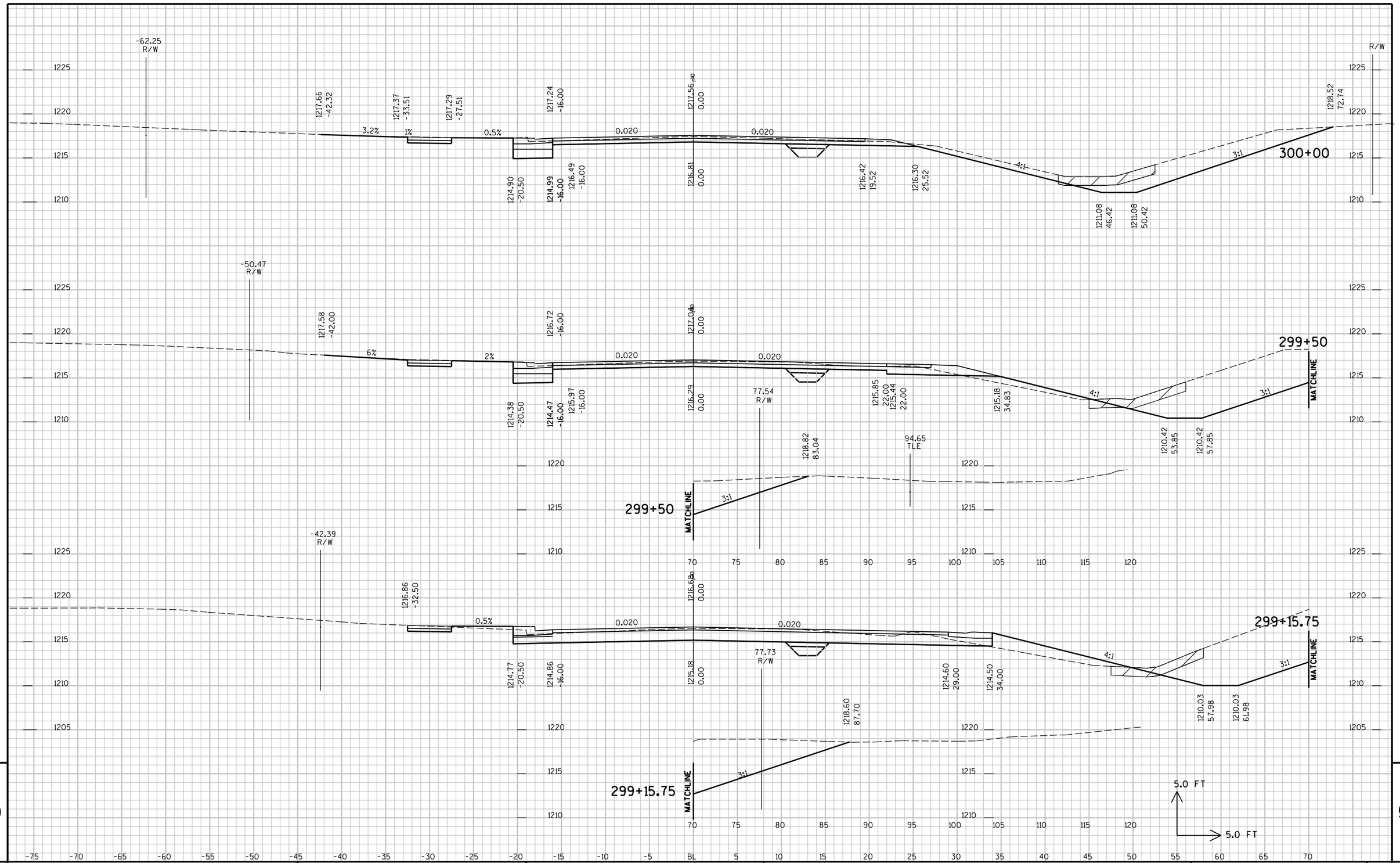
FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:57 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 435	E

FILE NAME : P:\UZW\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:57 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

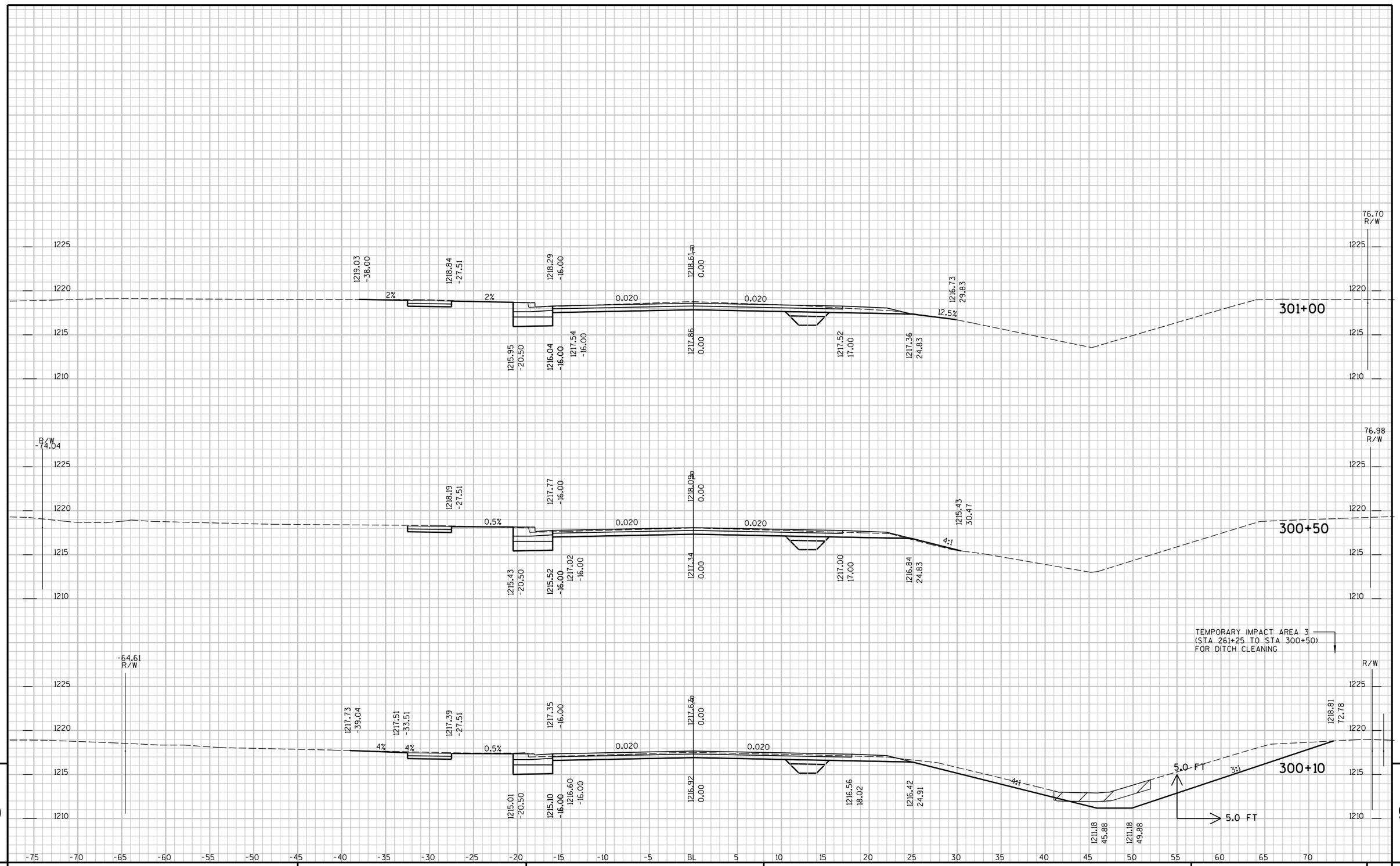


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO:	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:57 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

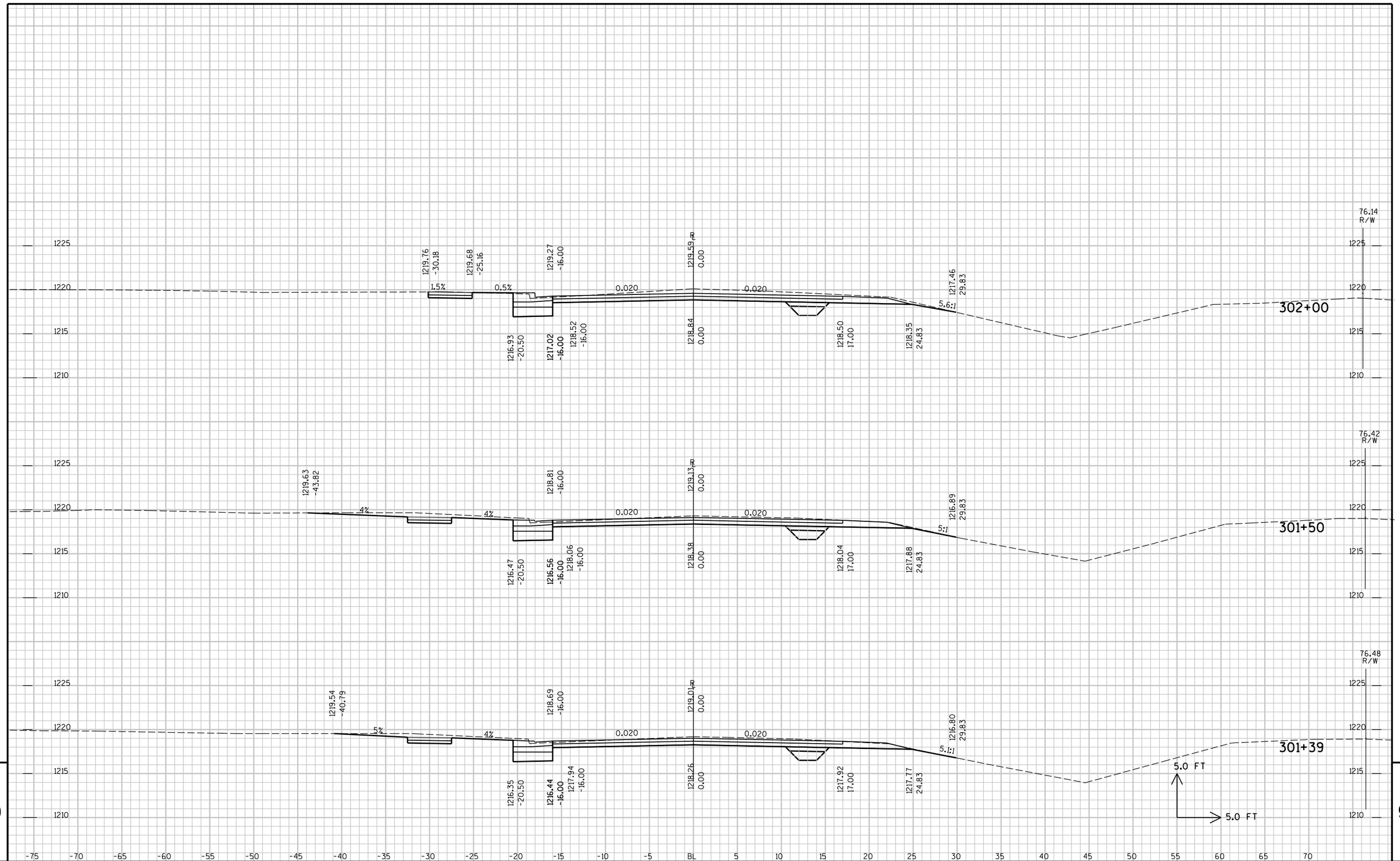


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 437	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:57 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

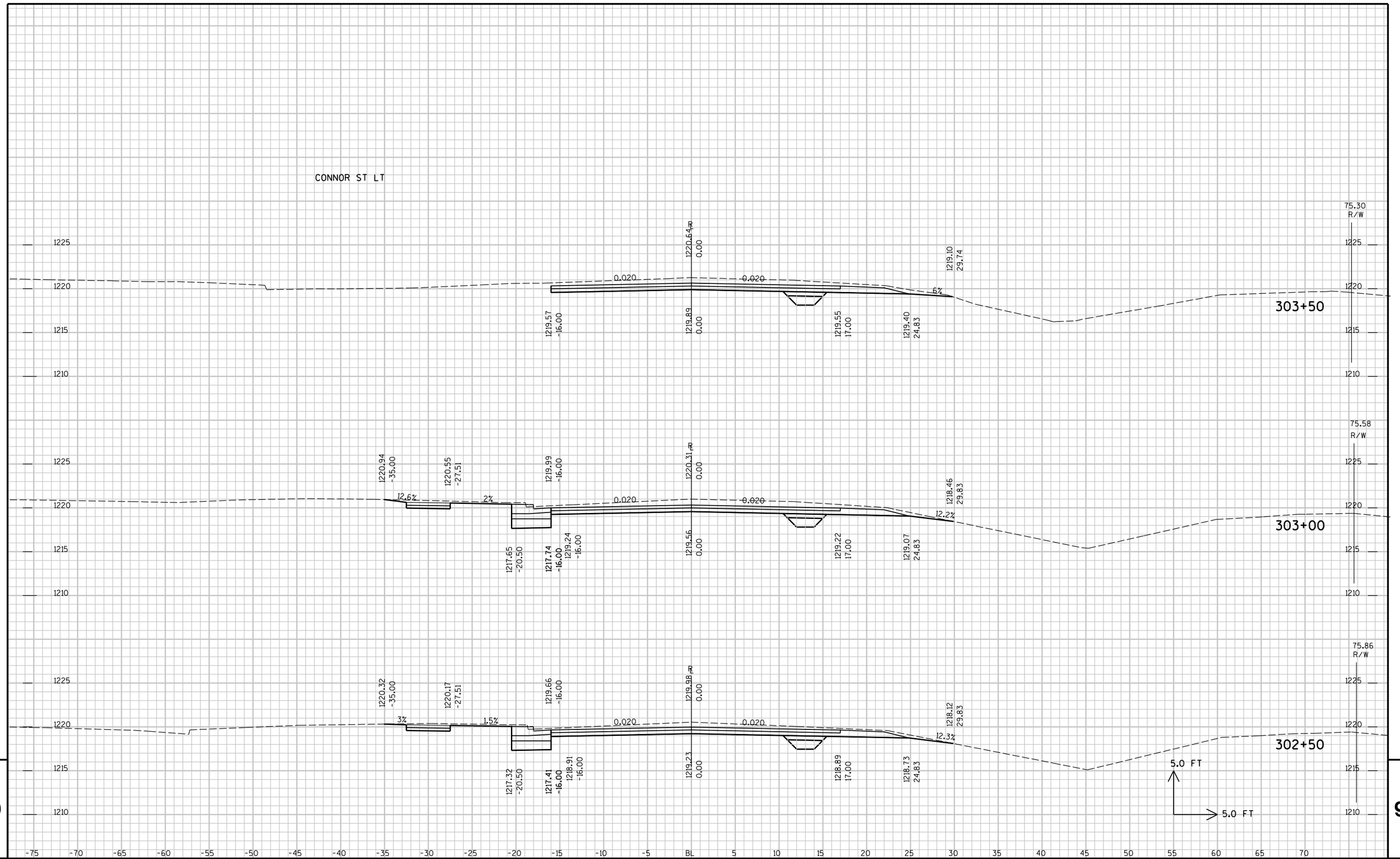


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9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 438	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:58 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

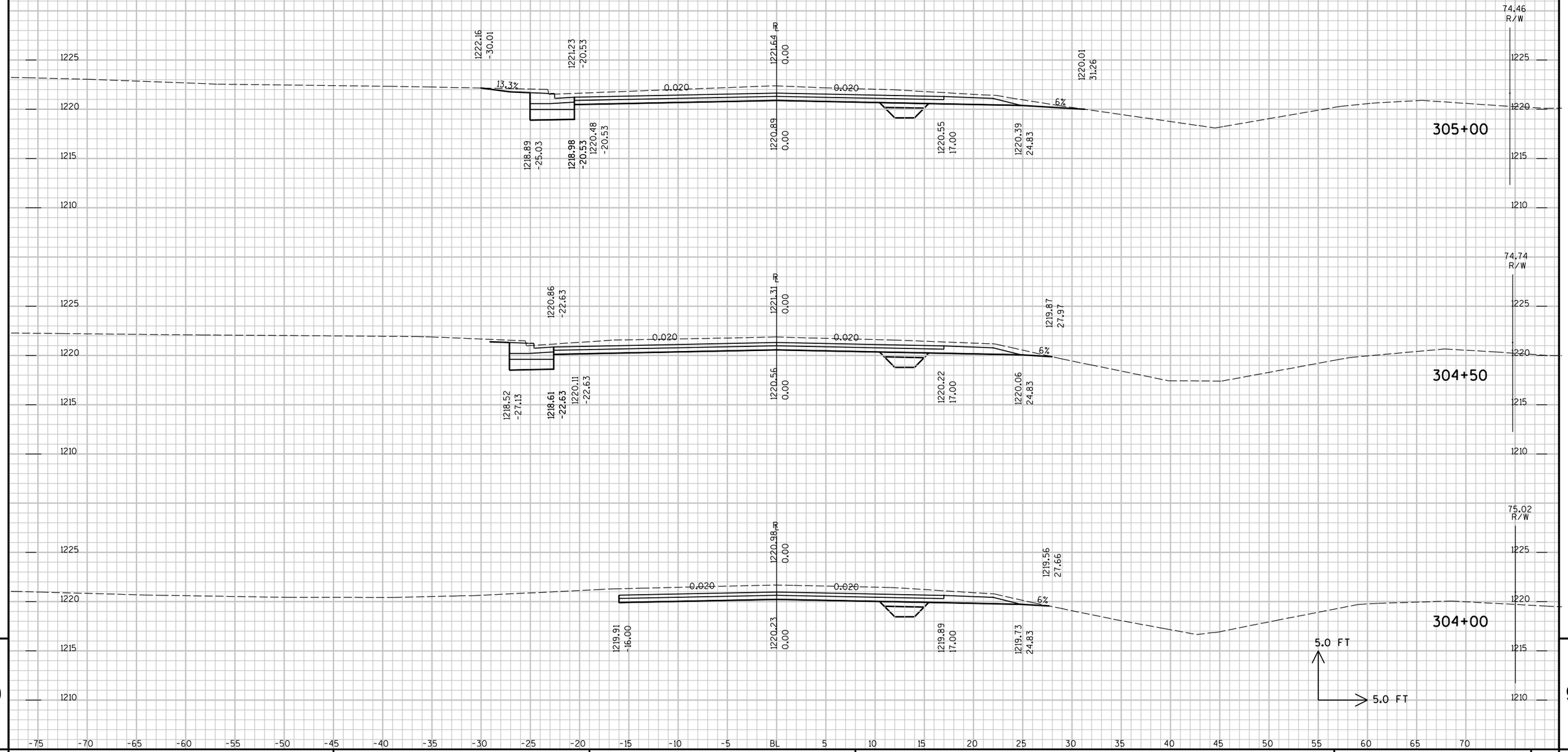


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO:	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:58 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

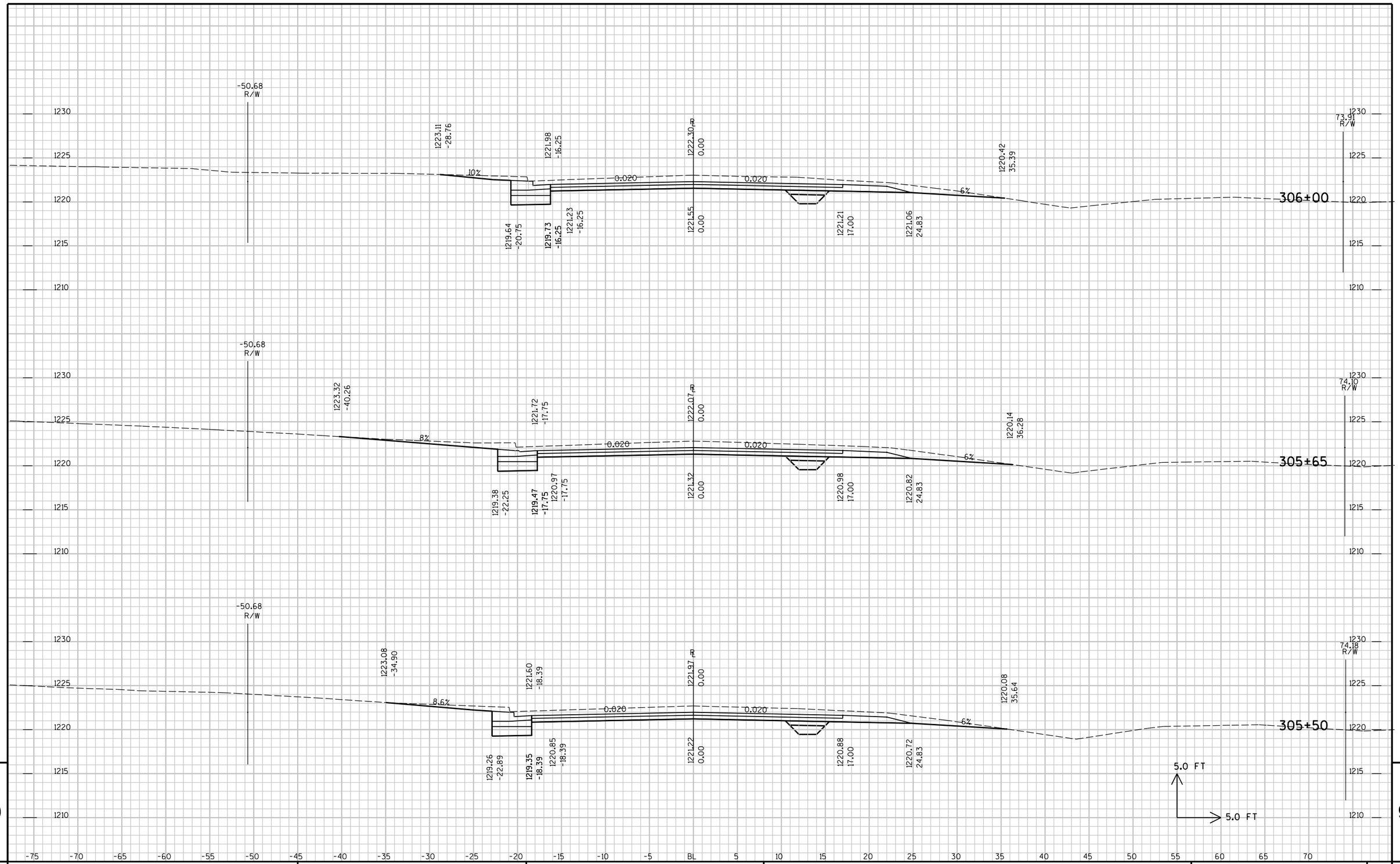


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 440	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:58 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

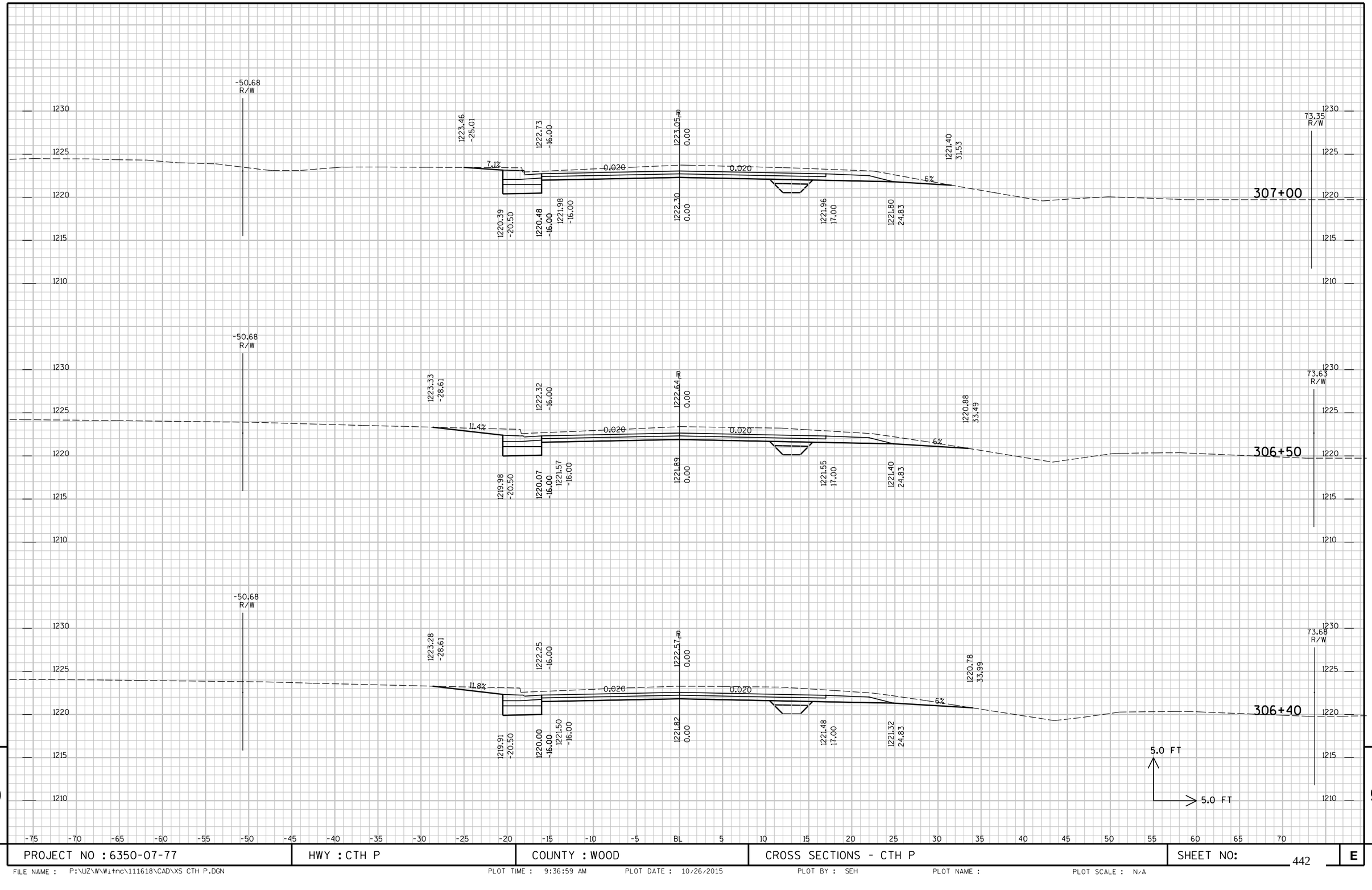


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 441	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:59 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

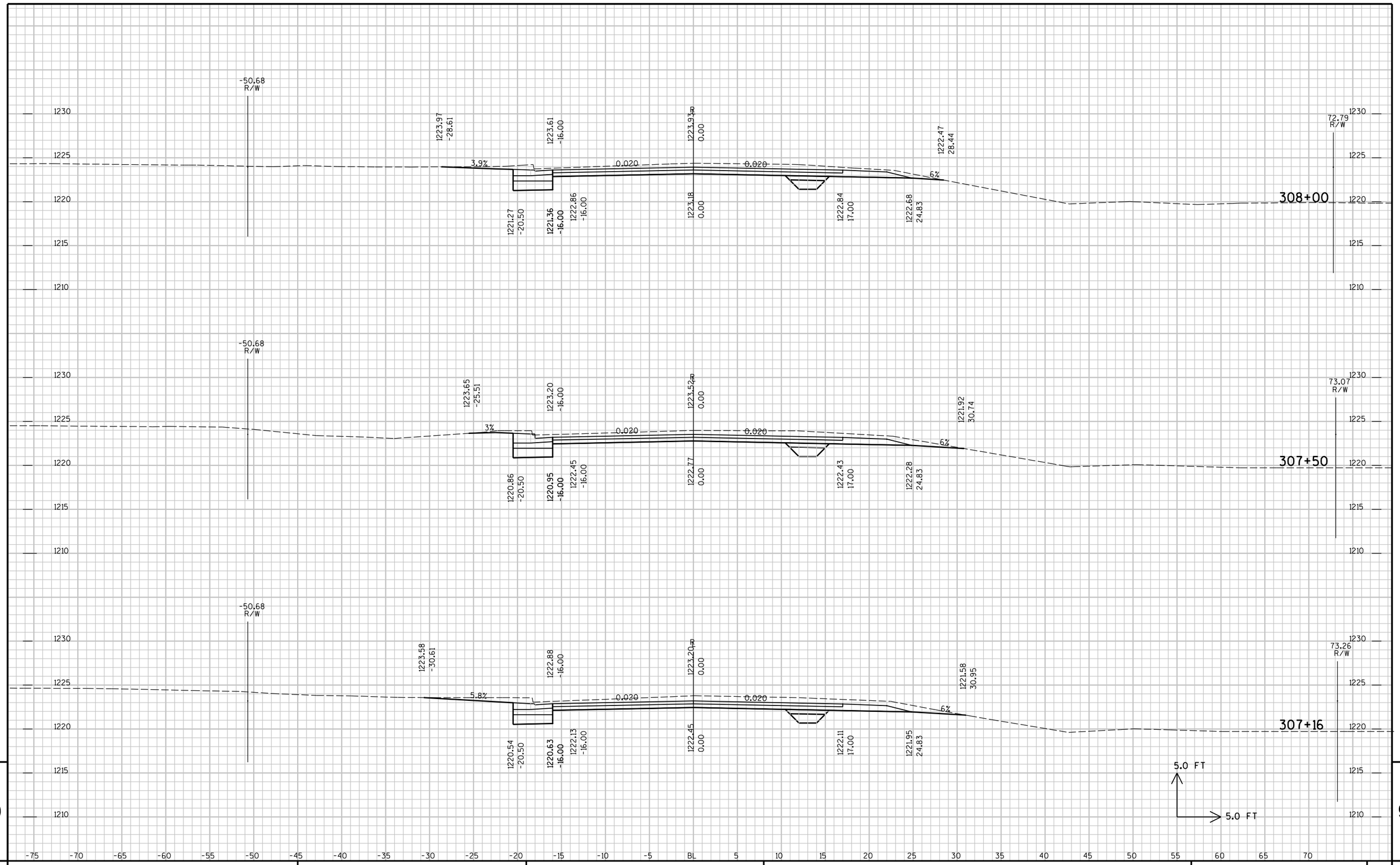


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 442	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:59 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



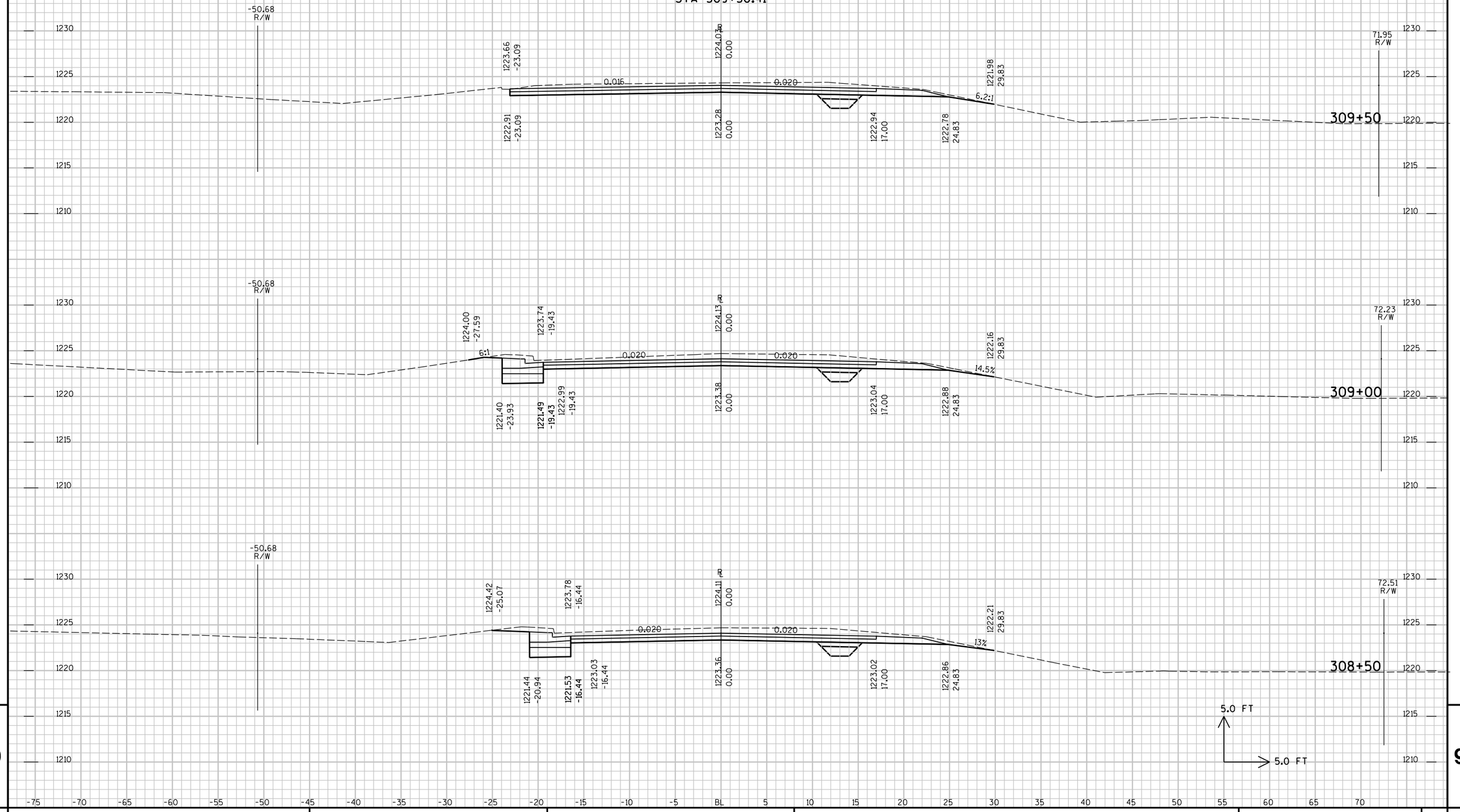
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9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 443	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:59 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

END CONSTRUCTION
STA 309+50.41

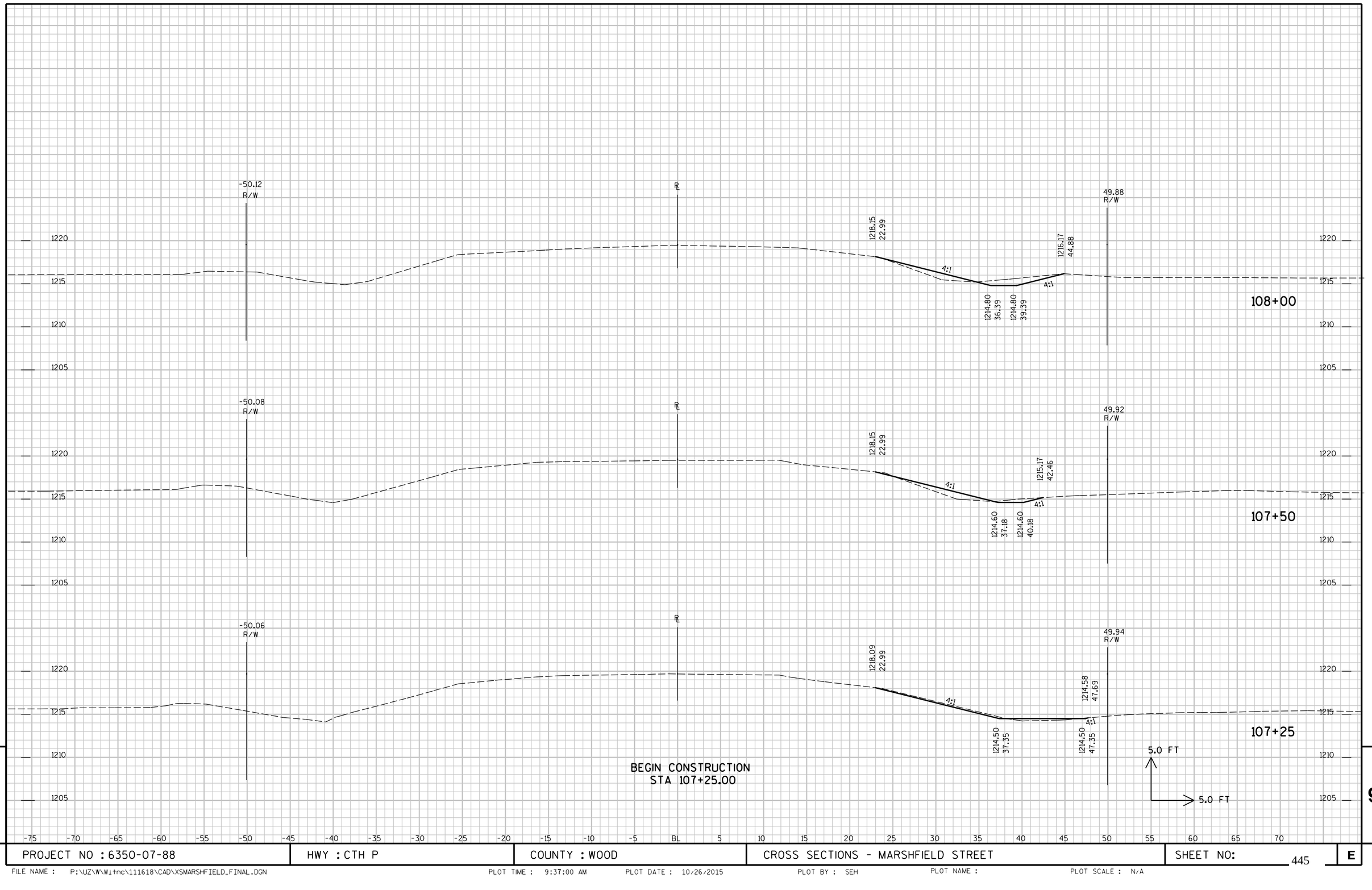


9

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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH P	SHEET NO: 444	E

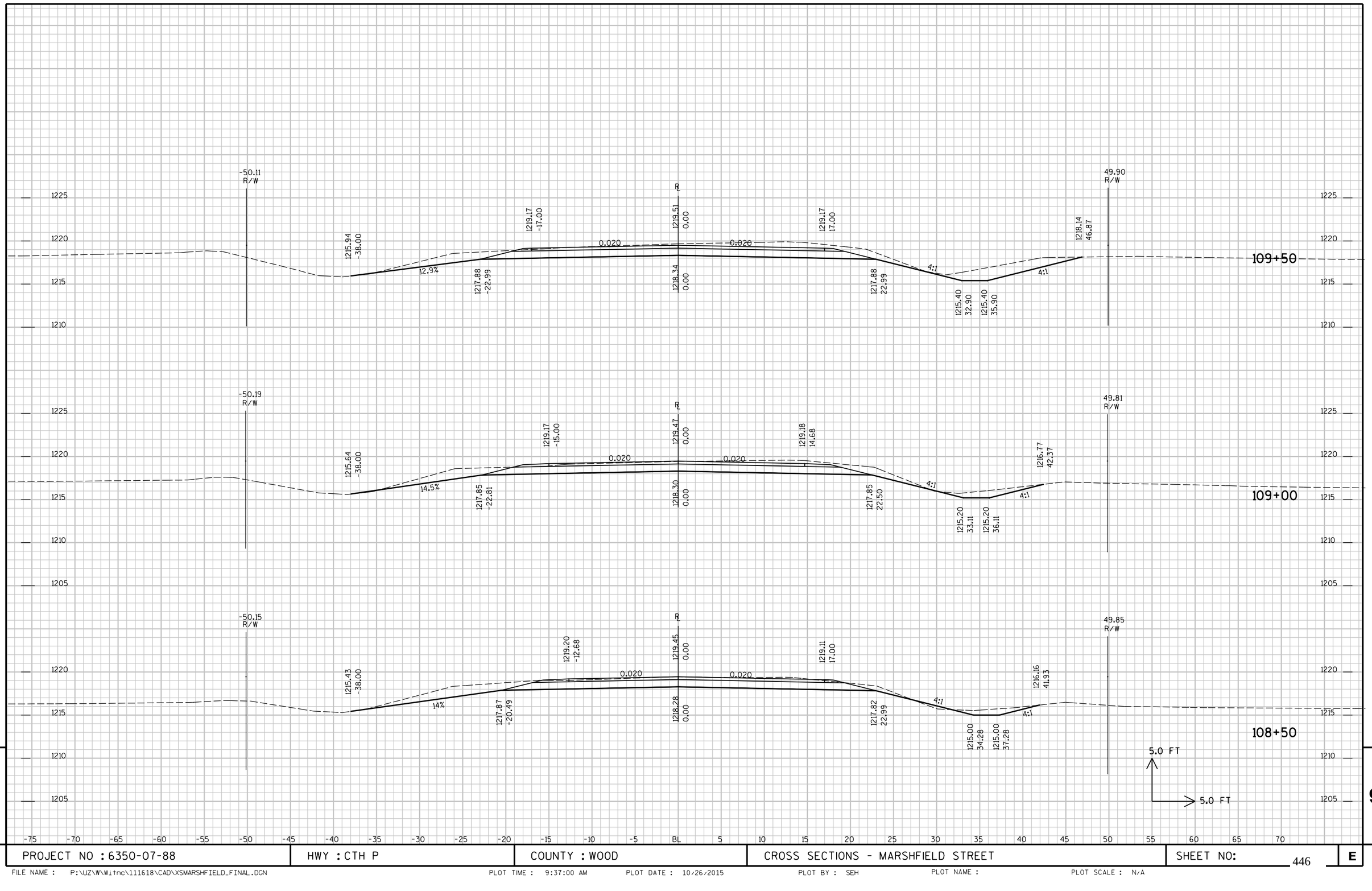
FILE NAME : P:\UZ\W\Witnc\111618\CAD\XS CTH P.DGN PLOT TIME : 9:36:59 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



9 9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 445 E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:00 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

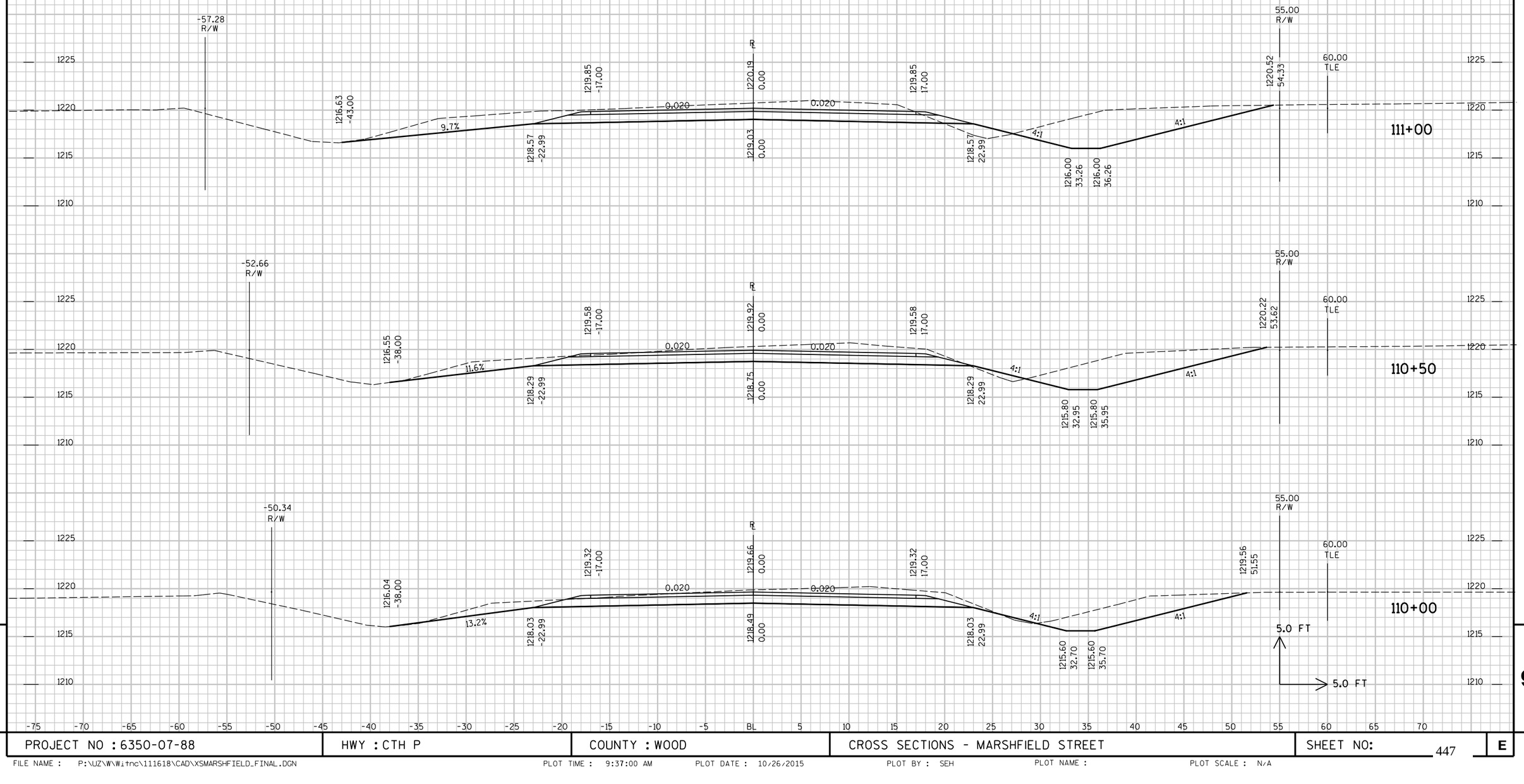


9

9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO:	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:00 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

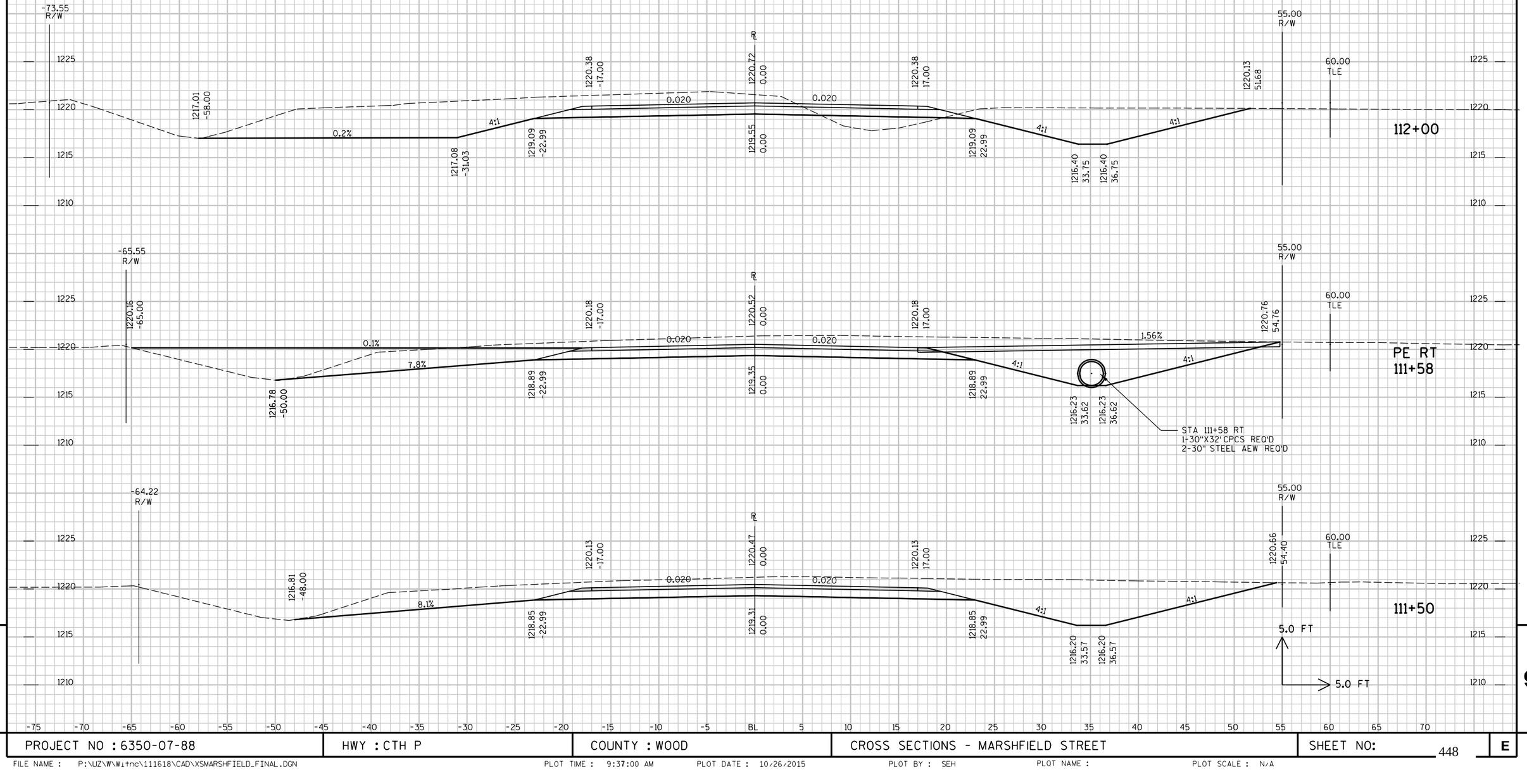


9

9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 447	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:00 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

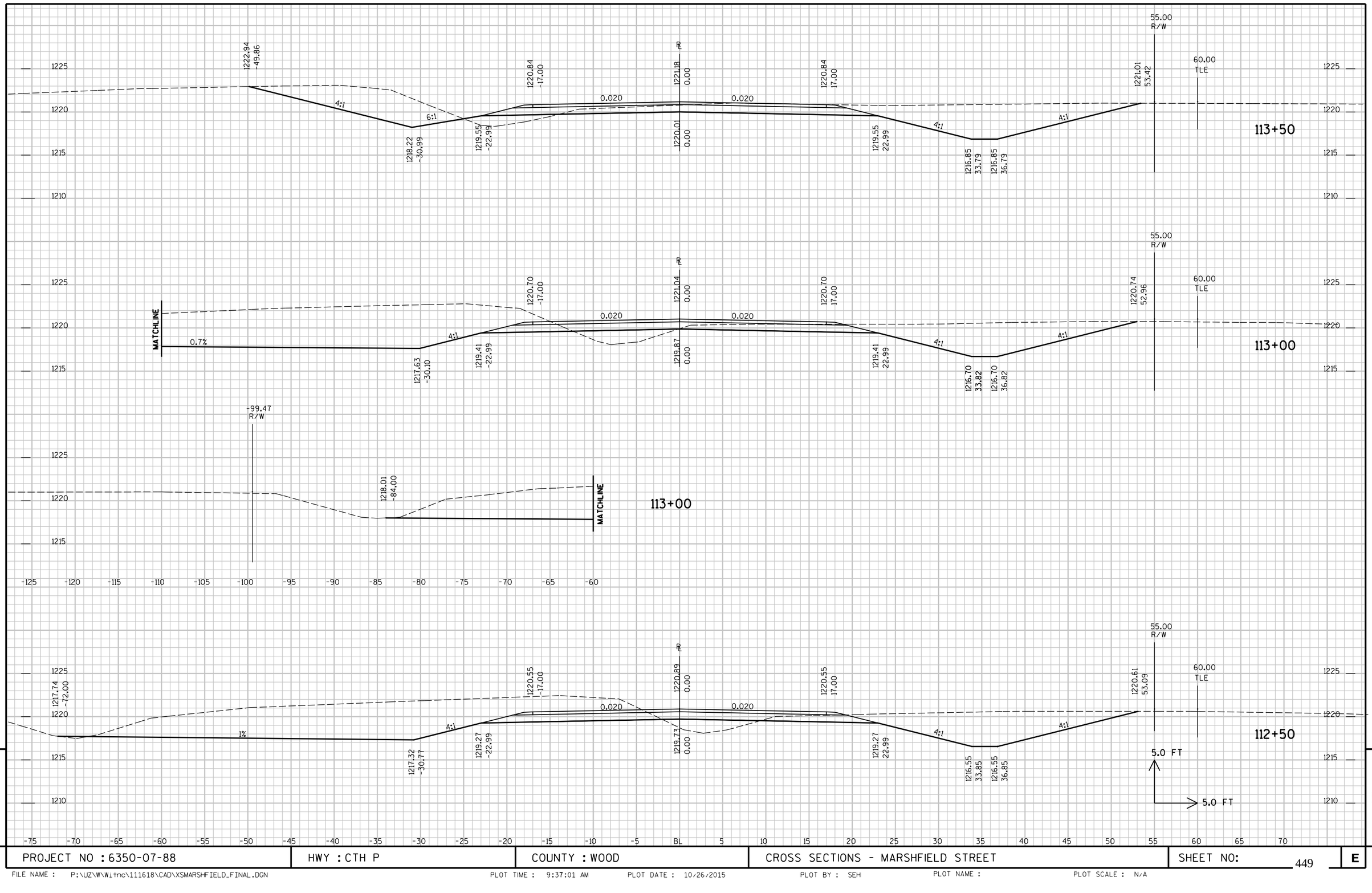


9

9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 448	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:00 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

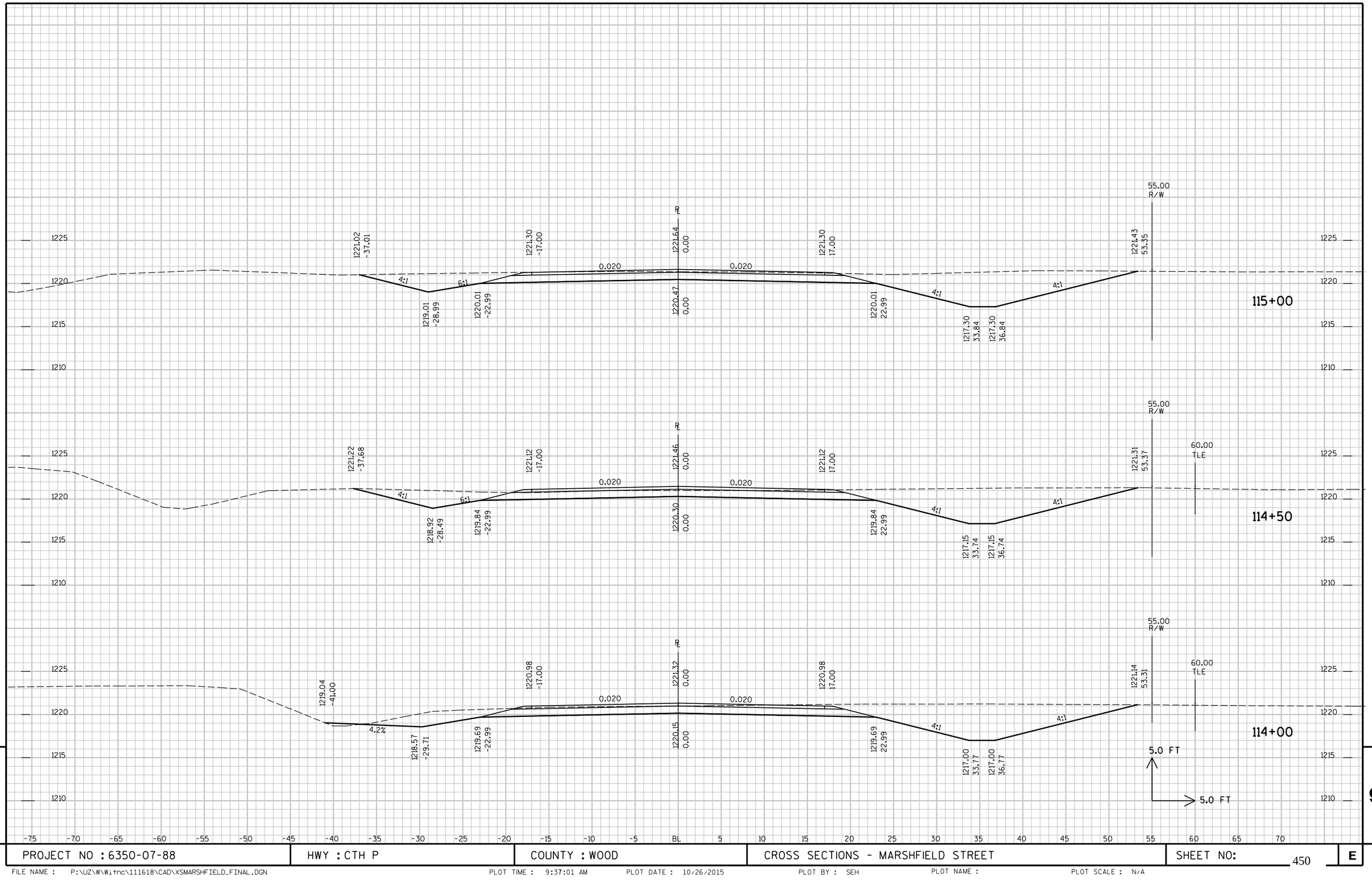


9

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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 449	E

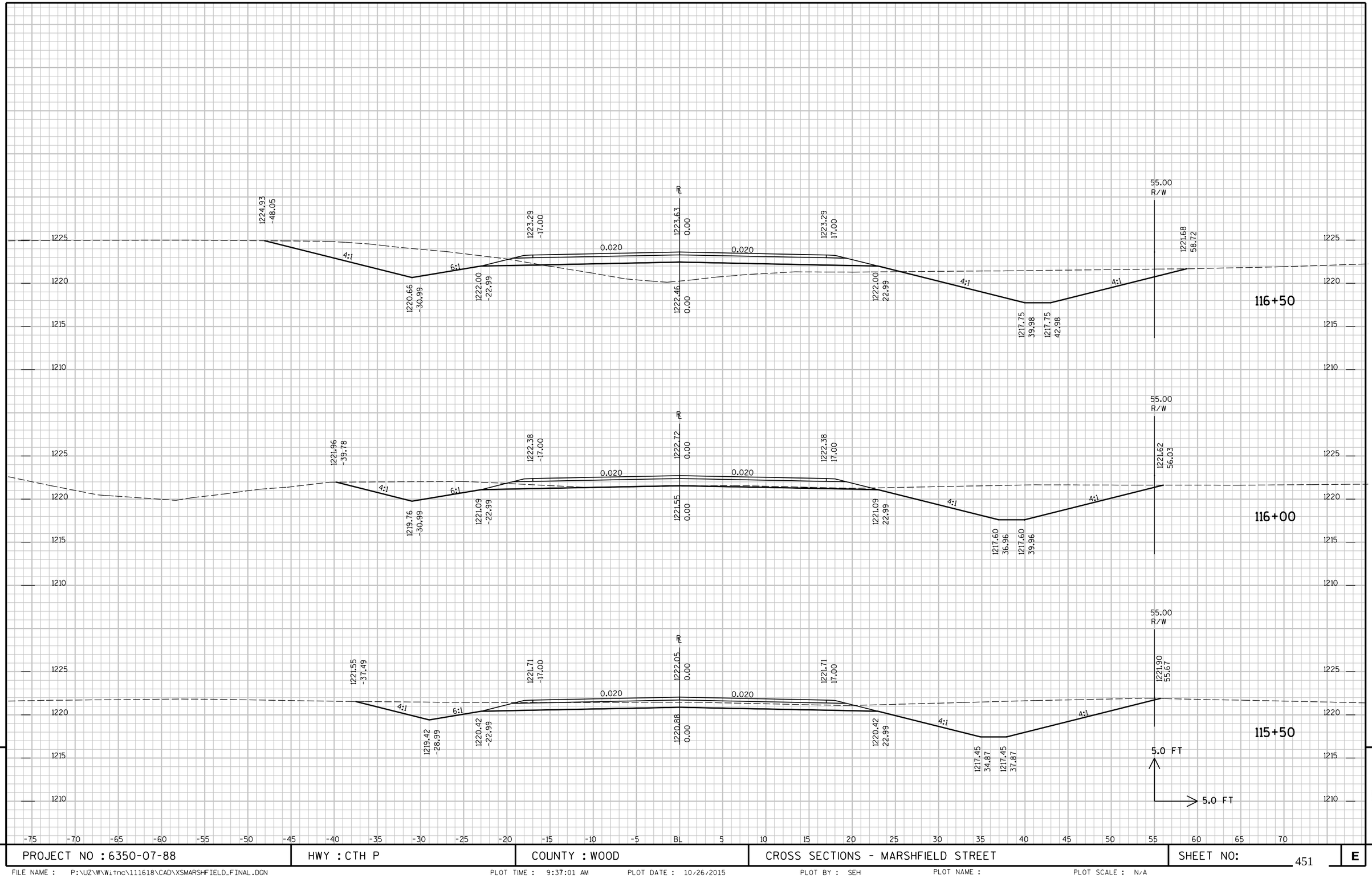
FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



9 9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 450	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

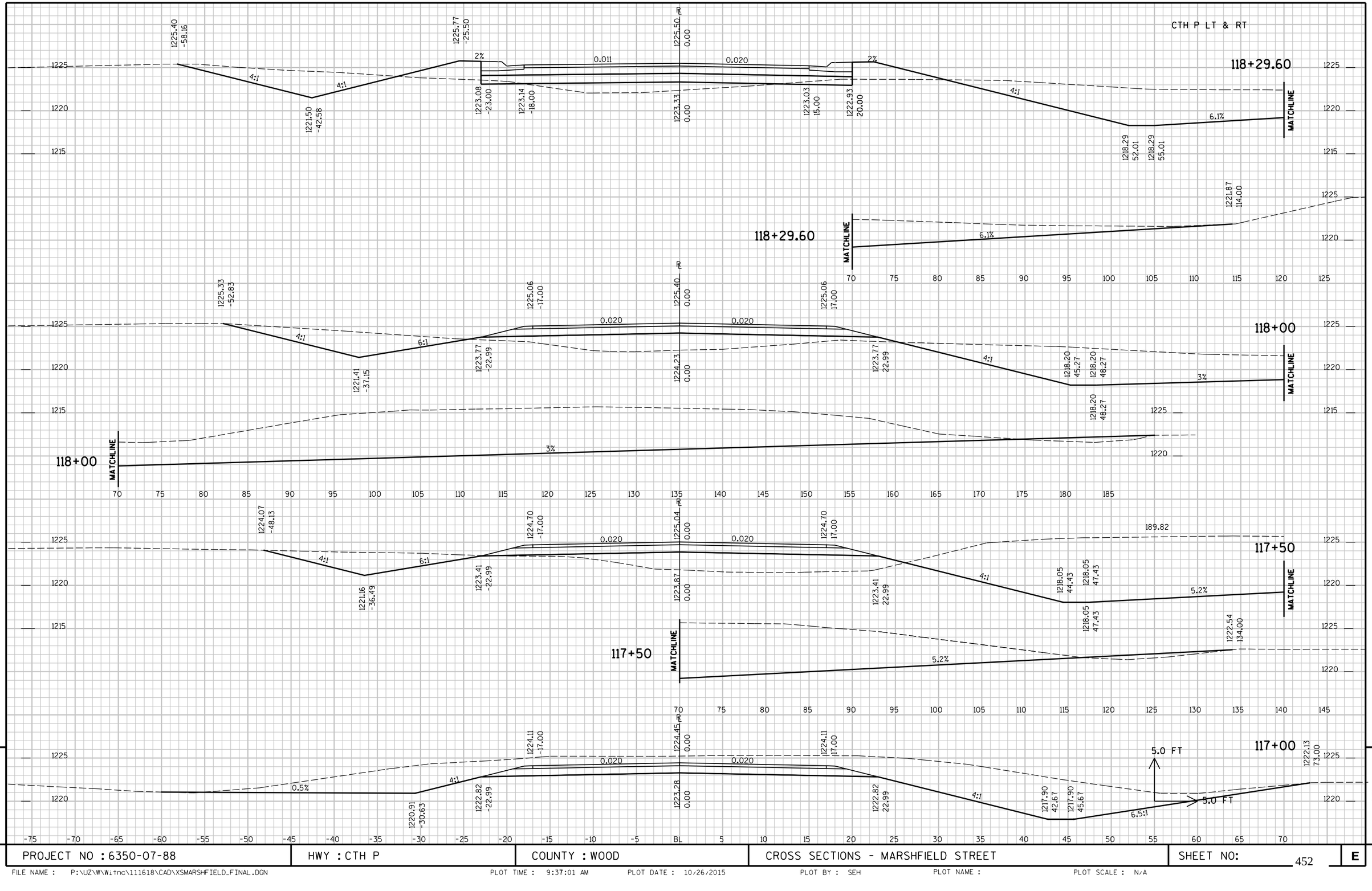


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PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 451	E

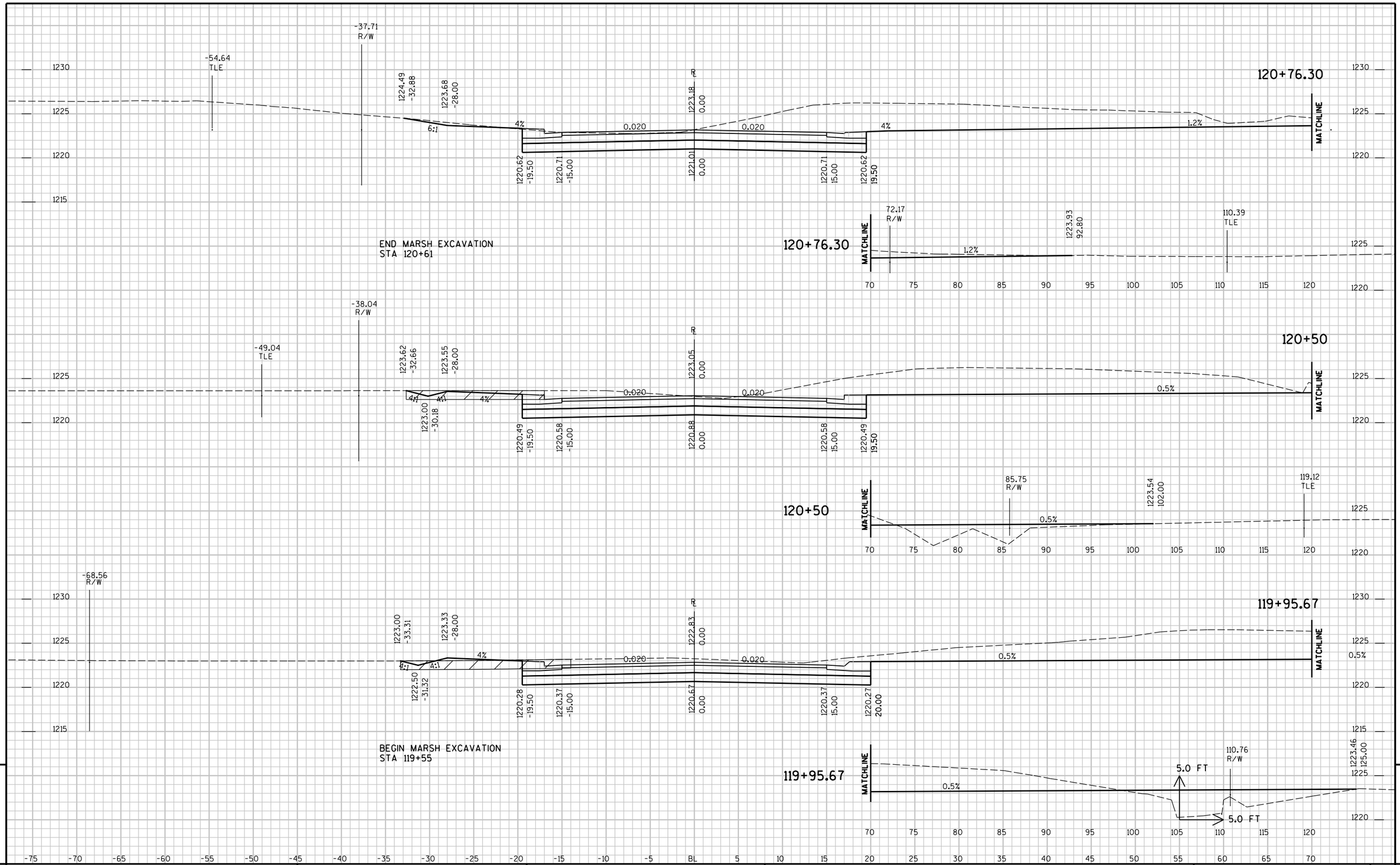
FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

CTH P LT & RT



PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 452	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

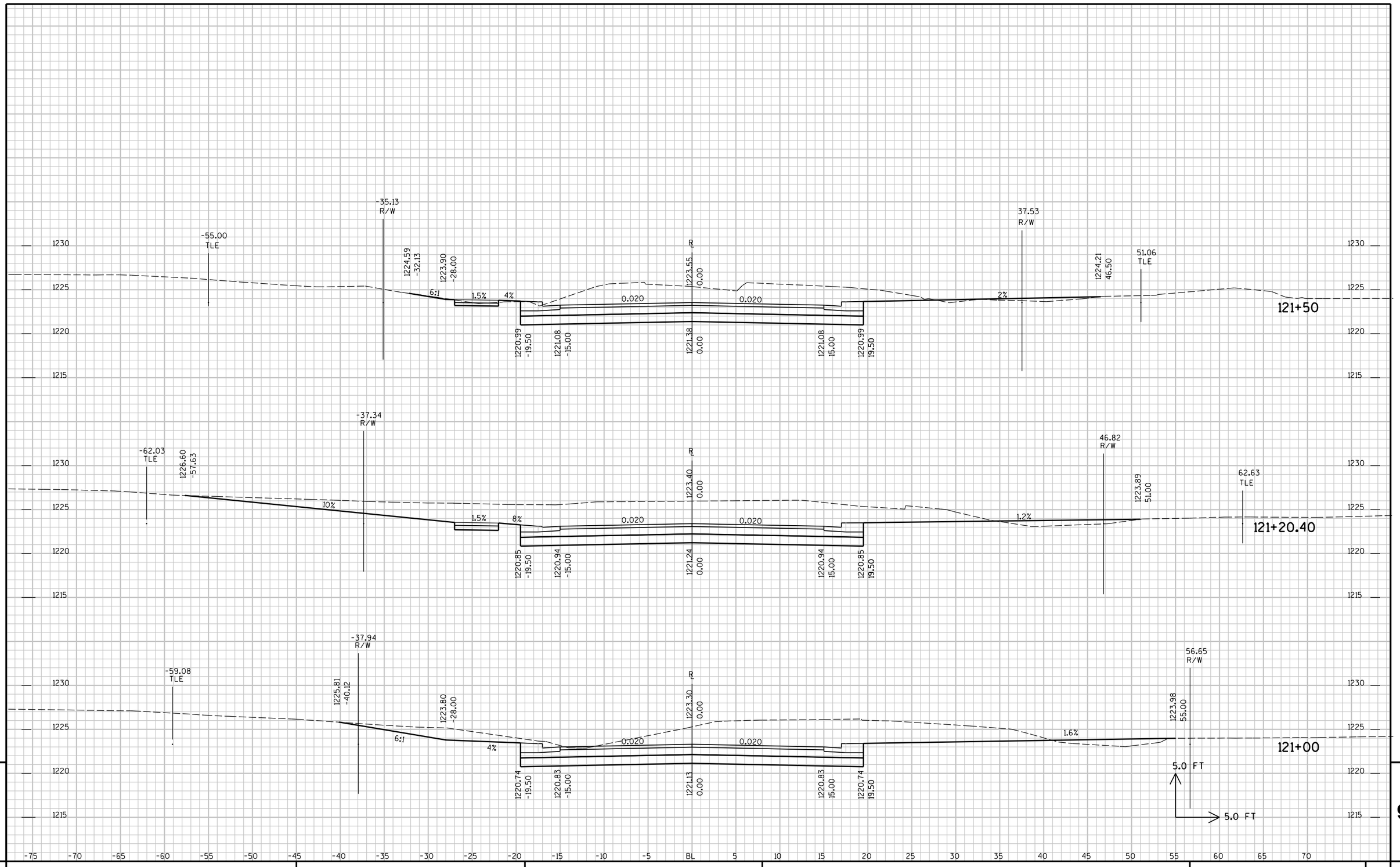


9

9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 453	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

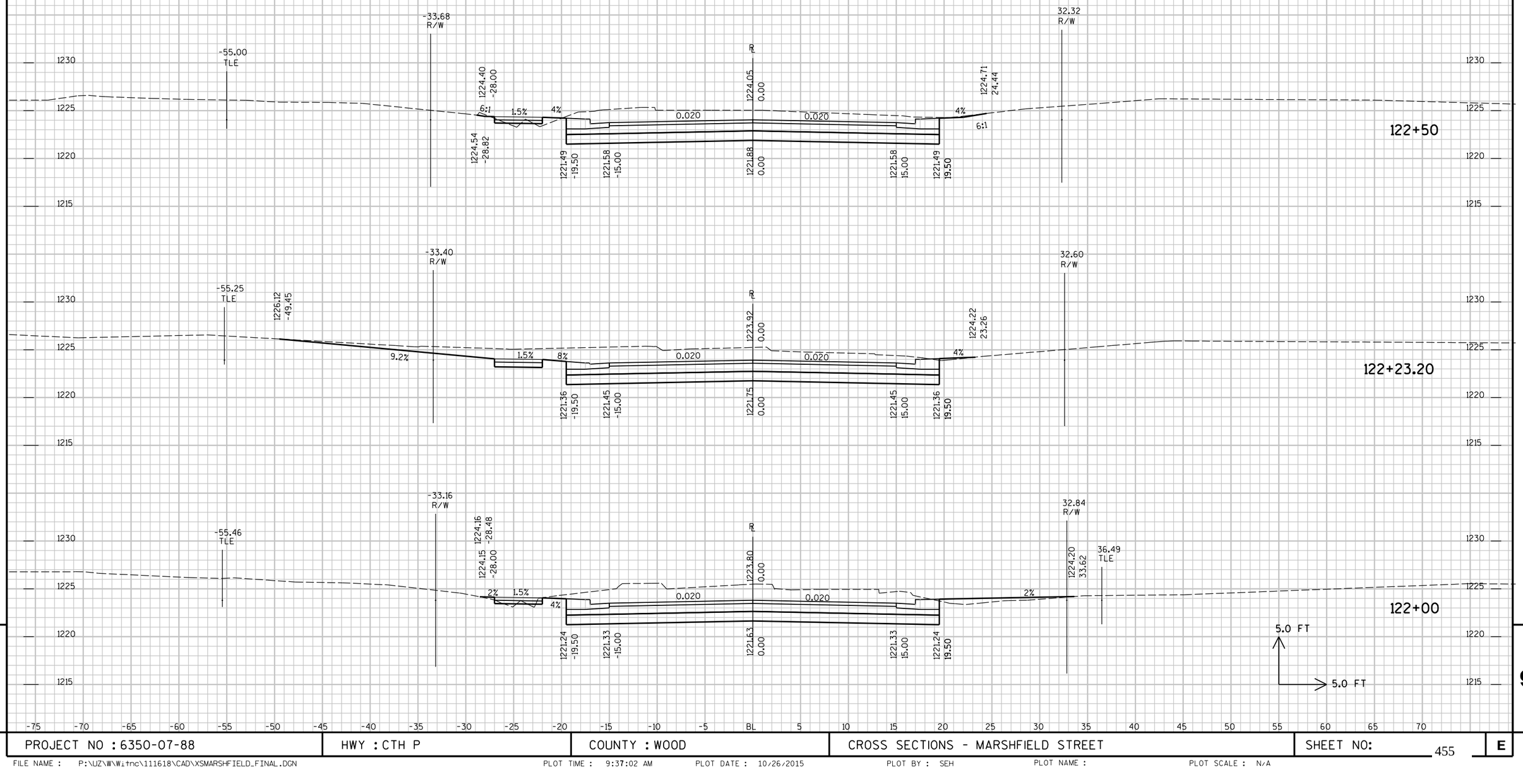


9

9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 454	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:01 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

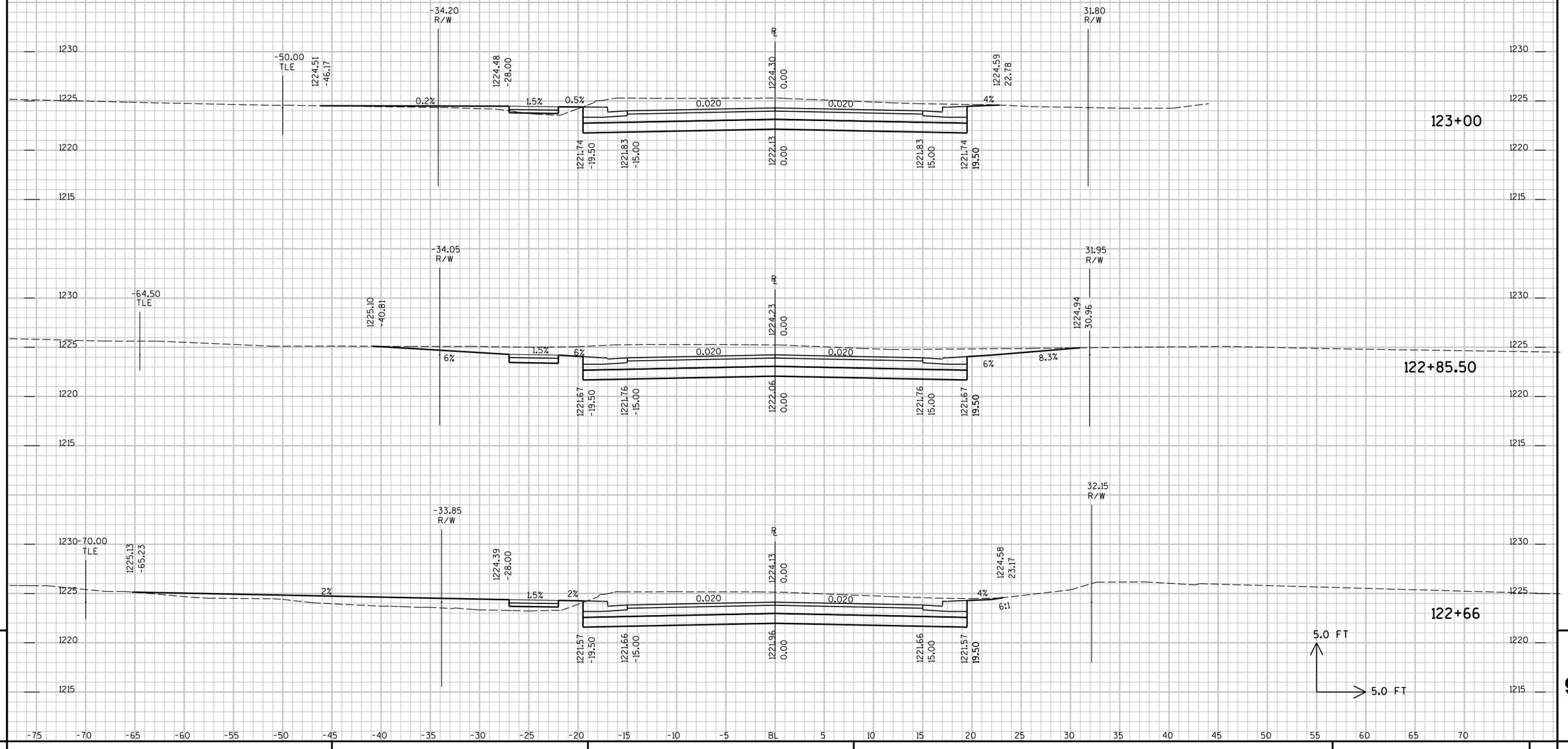


9

9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 455	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:02 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



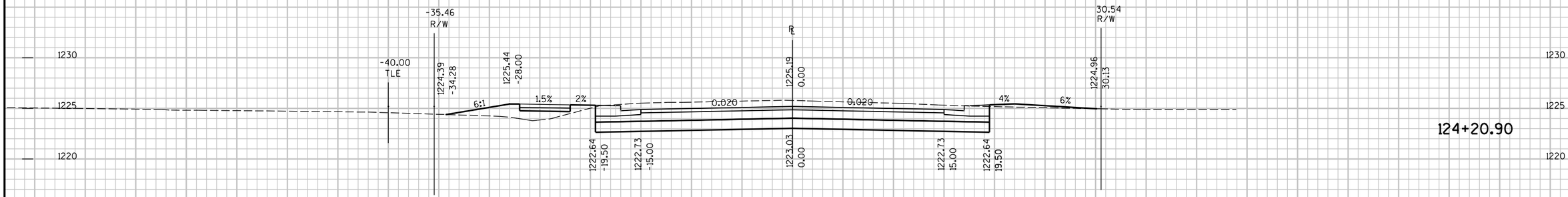
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9

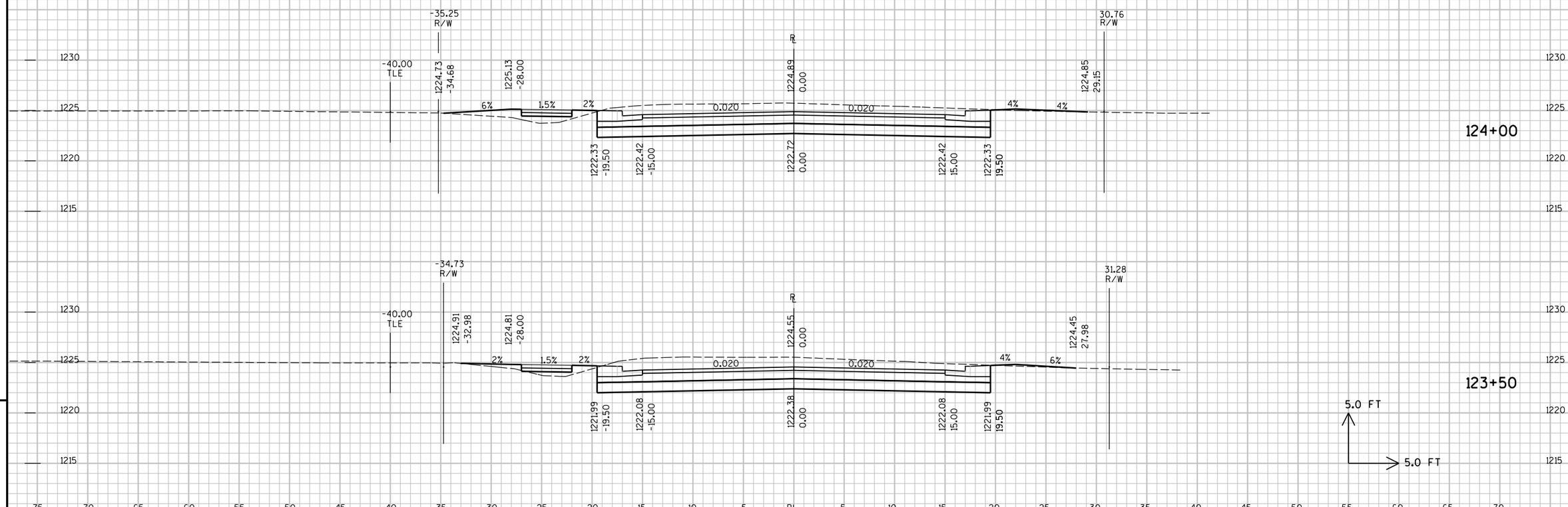
PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 456	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:02 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

END CONSTRUCTION
STA 124+56.30



124+20.90



124+00

123+50

5.0 FT
5.0 FT

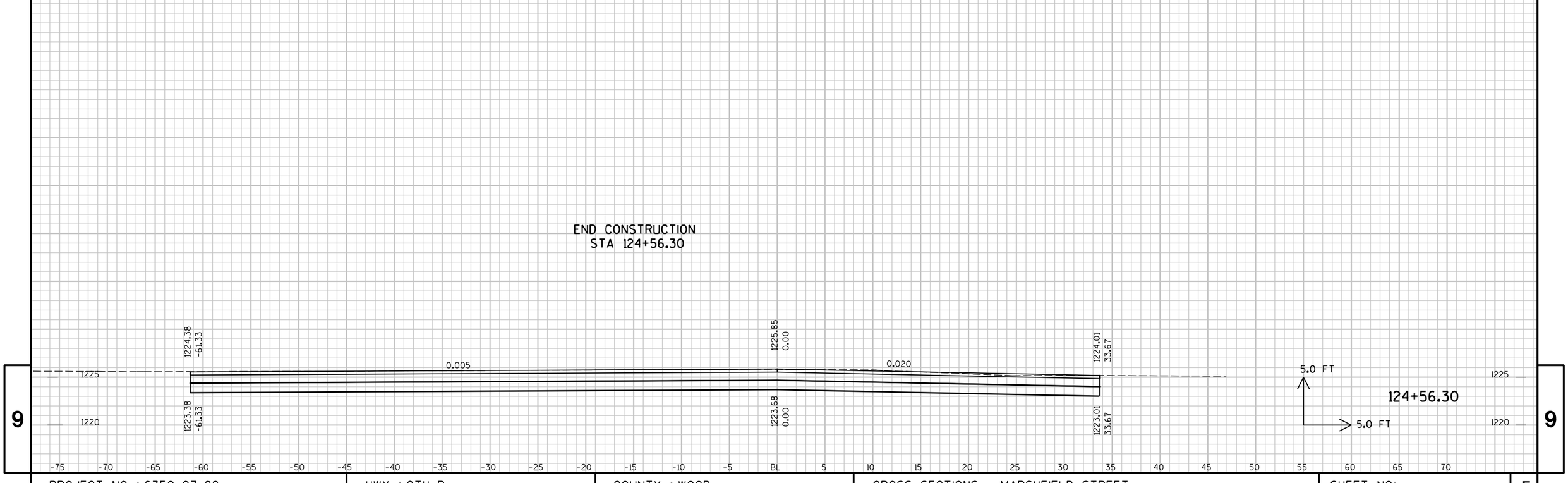
-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 BL 5 10 15 20 25 30 35 40 45 50 55 60 65 70

9 9

PROJECT NO : 6350-07-88 | HWY : CTH P | COUNTY : WOOD | CROSS SECTIONS - MARSHFIELD STREET | SHEET NO: 457 | E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:02 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

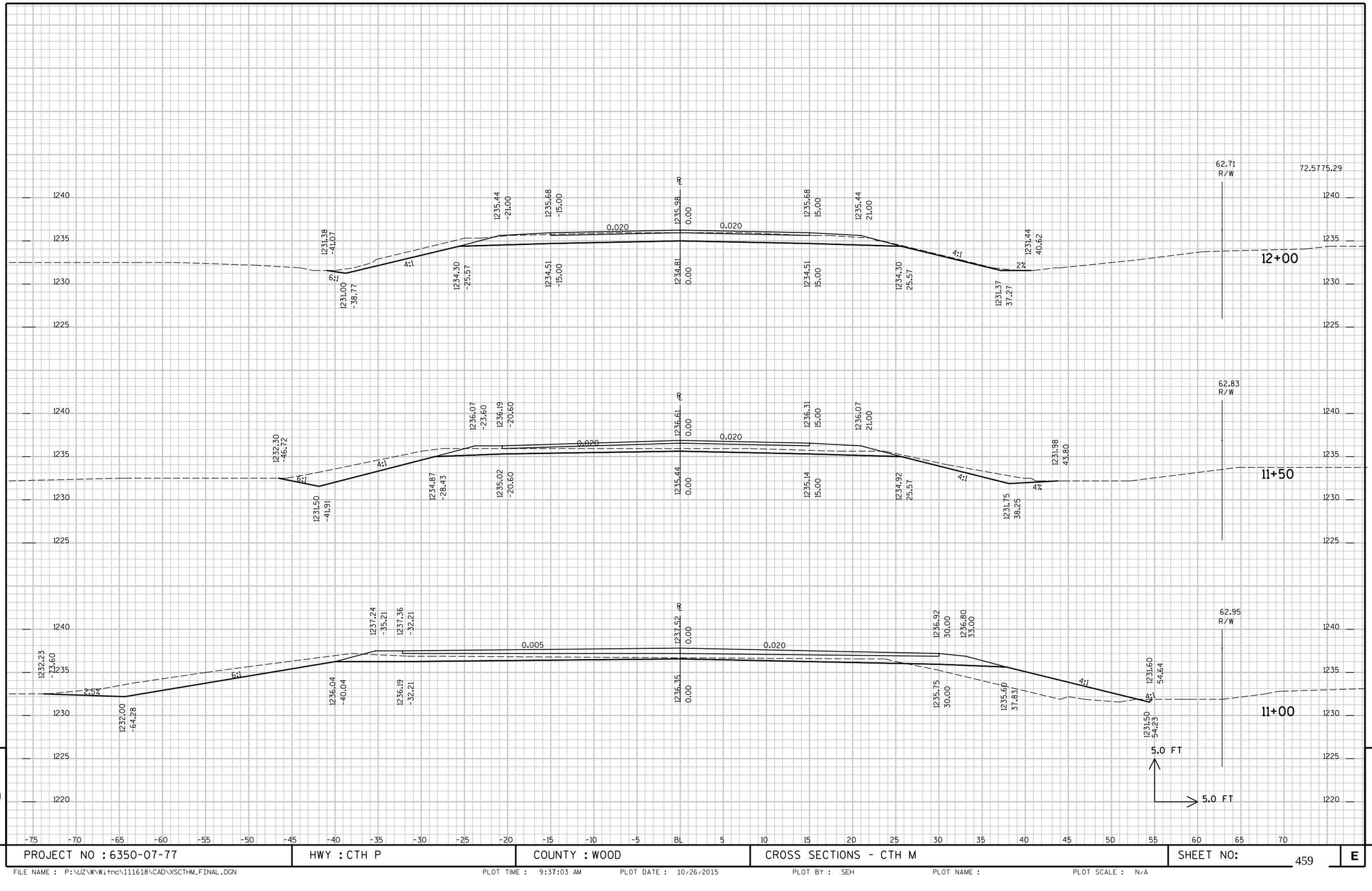
END CONSTRUCTION
STA 124+56.30



9 9

PROJECT NO : 6350-07-88	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - MARSHFIELD STREET	SHEET NO: 458	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSMARSHFIELD_FINAL.DGN PLOT TIME : 9:37:02 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



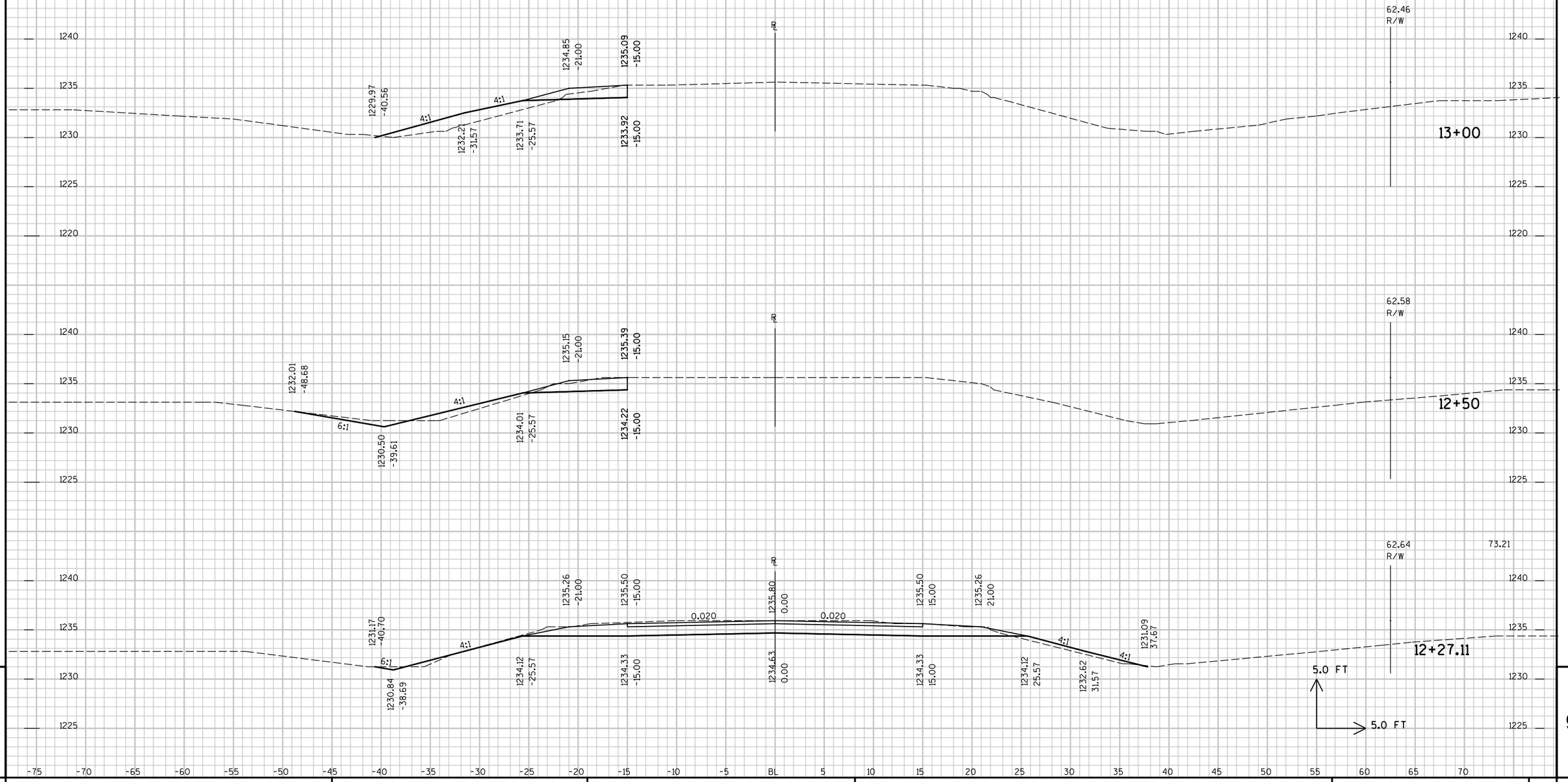
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PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH M	SHEET NO: 459	E

9

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSCTHM_FINAL.DGN PLOT TIME : 9:37:03 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

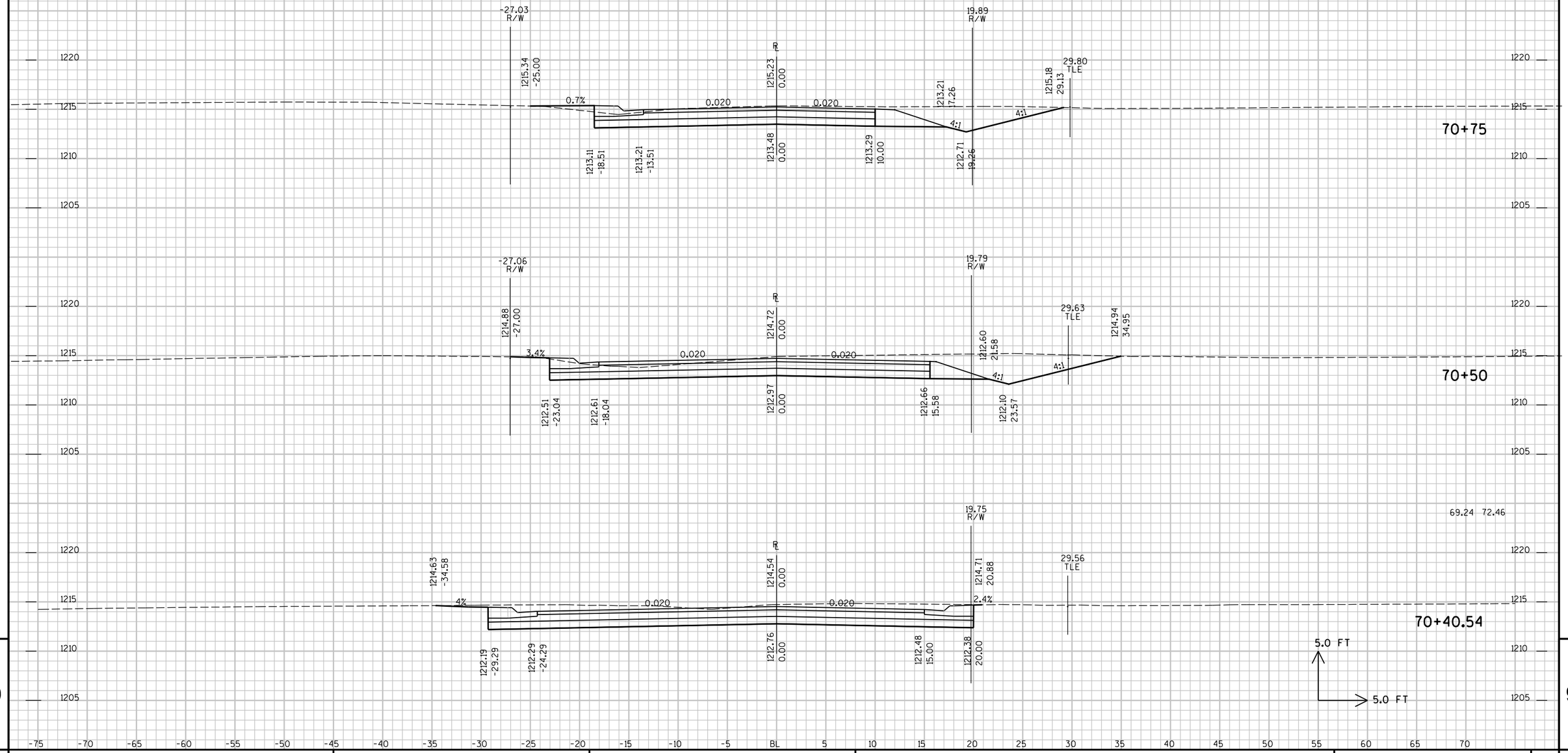
END CONSTRUCTION
STA 13+08.12



9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CTH M	SHEET NO: 460 E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSCTHM_FINAL.DGN PLOT TIME : 9:37:03 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

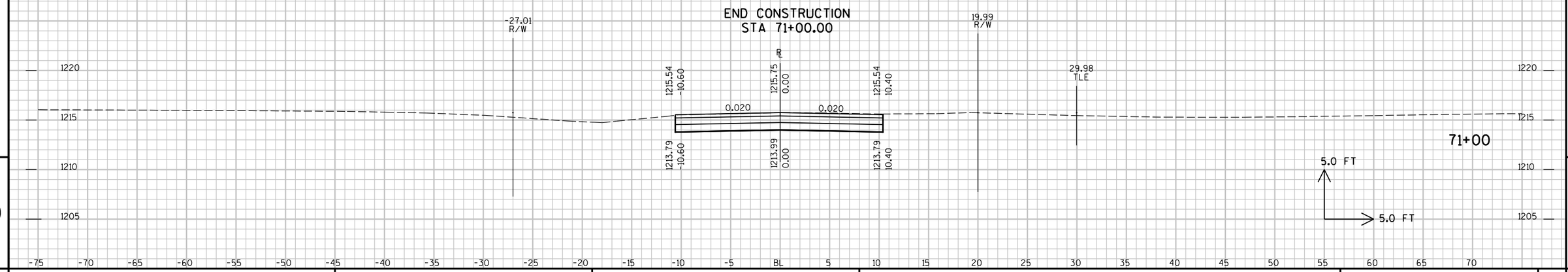


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - SCHOOL AVENUE	SHEET NO: 461	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSSCHOOL Final.DGN PLOT TIME : 9:37:03 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

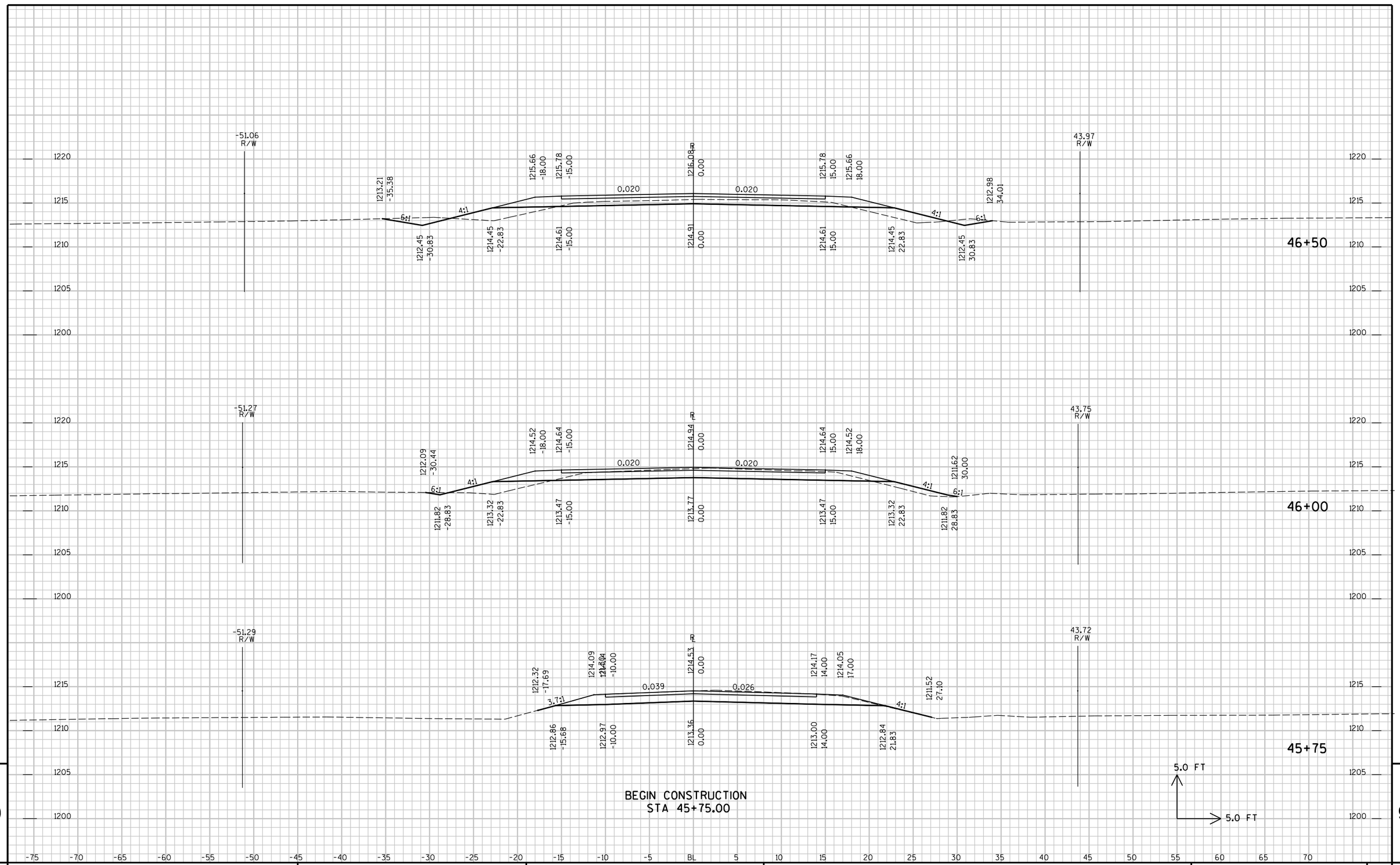


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - SCHOOL AVENUE	SHEET NO: 462	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSSCHOOL Final.DGN PLOT TIME : 9:37:03 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

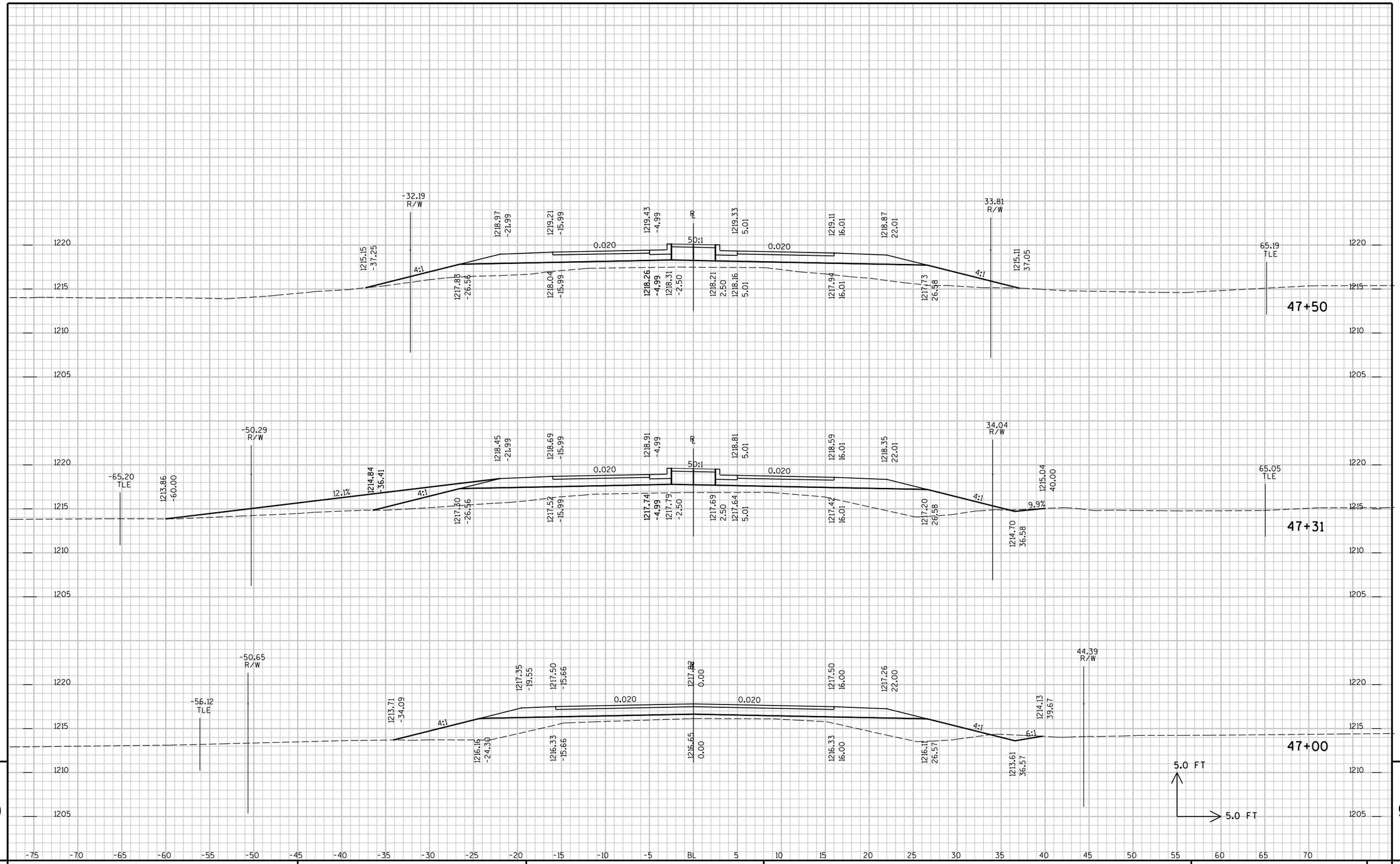


9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - NORTH ROAD	SHEET NO: 463	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSNORTH_FINAL.DGN PLOT TIME : 9:37:04 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



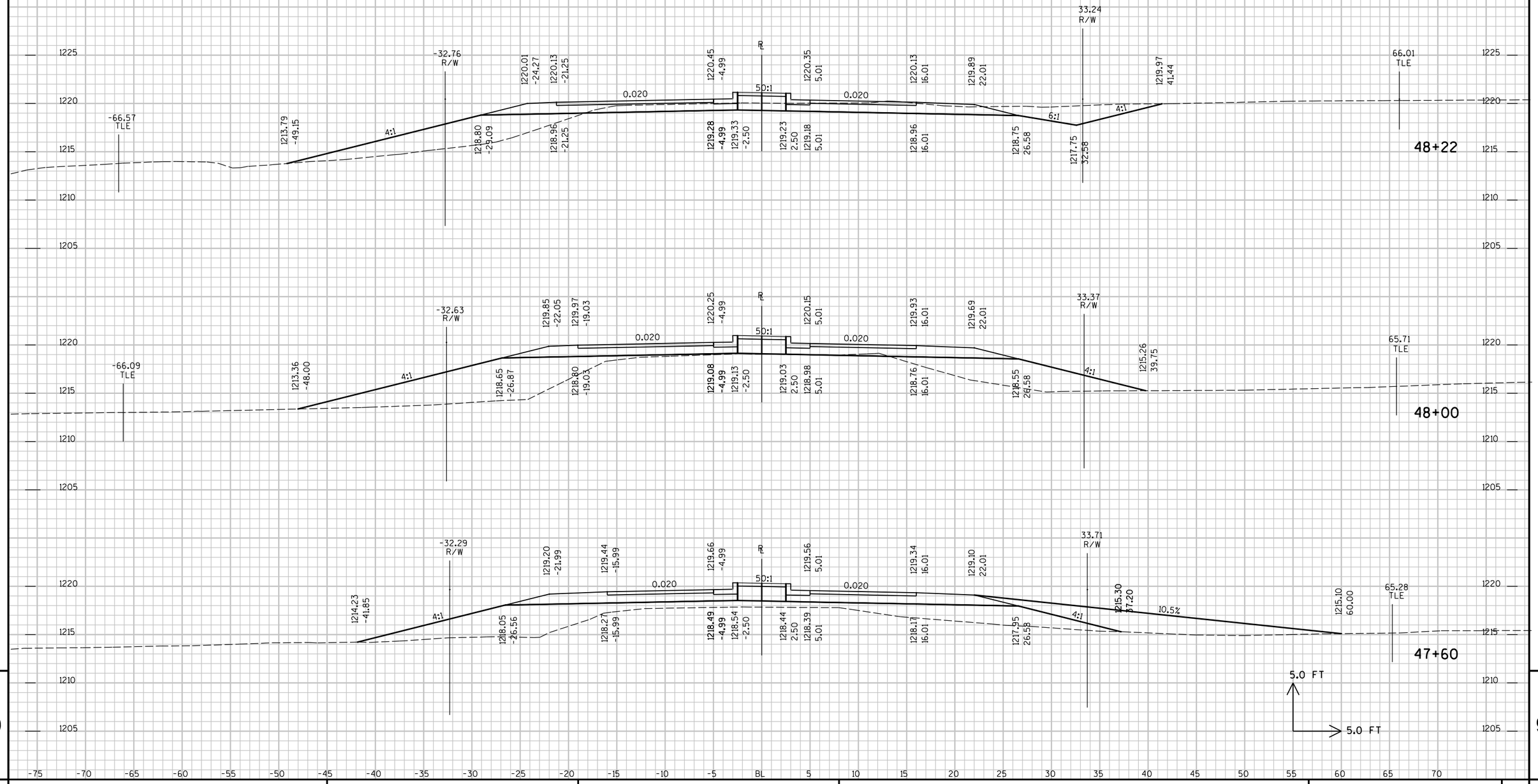
9

9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - NORTH ROAD	SHEET NO: 464	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSNORTH_FINAL.DGN PLOT TIME : 9:37:04 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

RAILROAD CROSSING EXCEPTION TO CENTERLINE
STA 48+27.95 TO STA 48+43.21

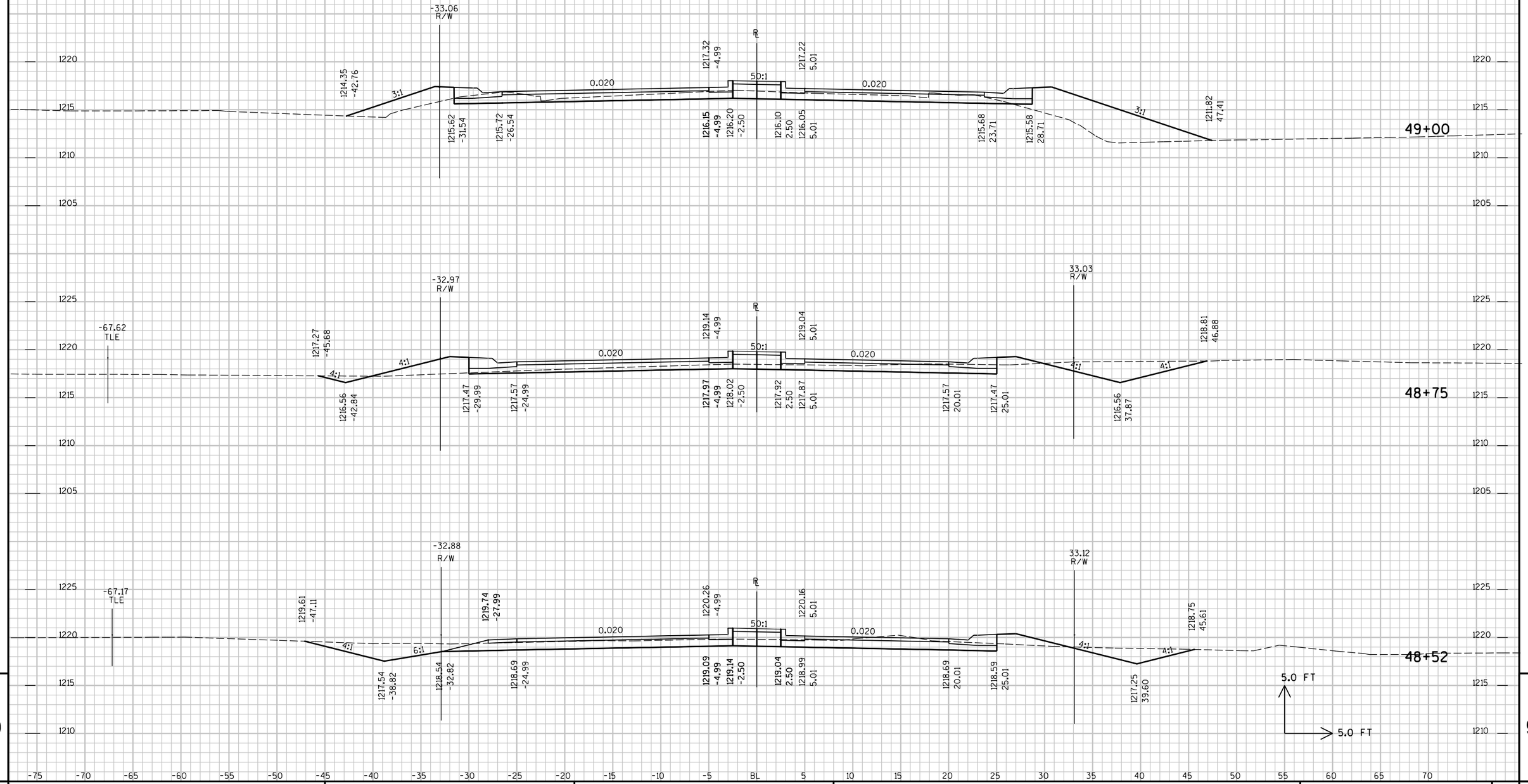


9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - NORTH ROAD	SHEET NO: 465	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSNORTH_FINAL.DGN PLOT TIME : 9:37:04 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

CTH P LT & RT

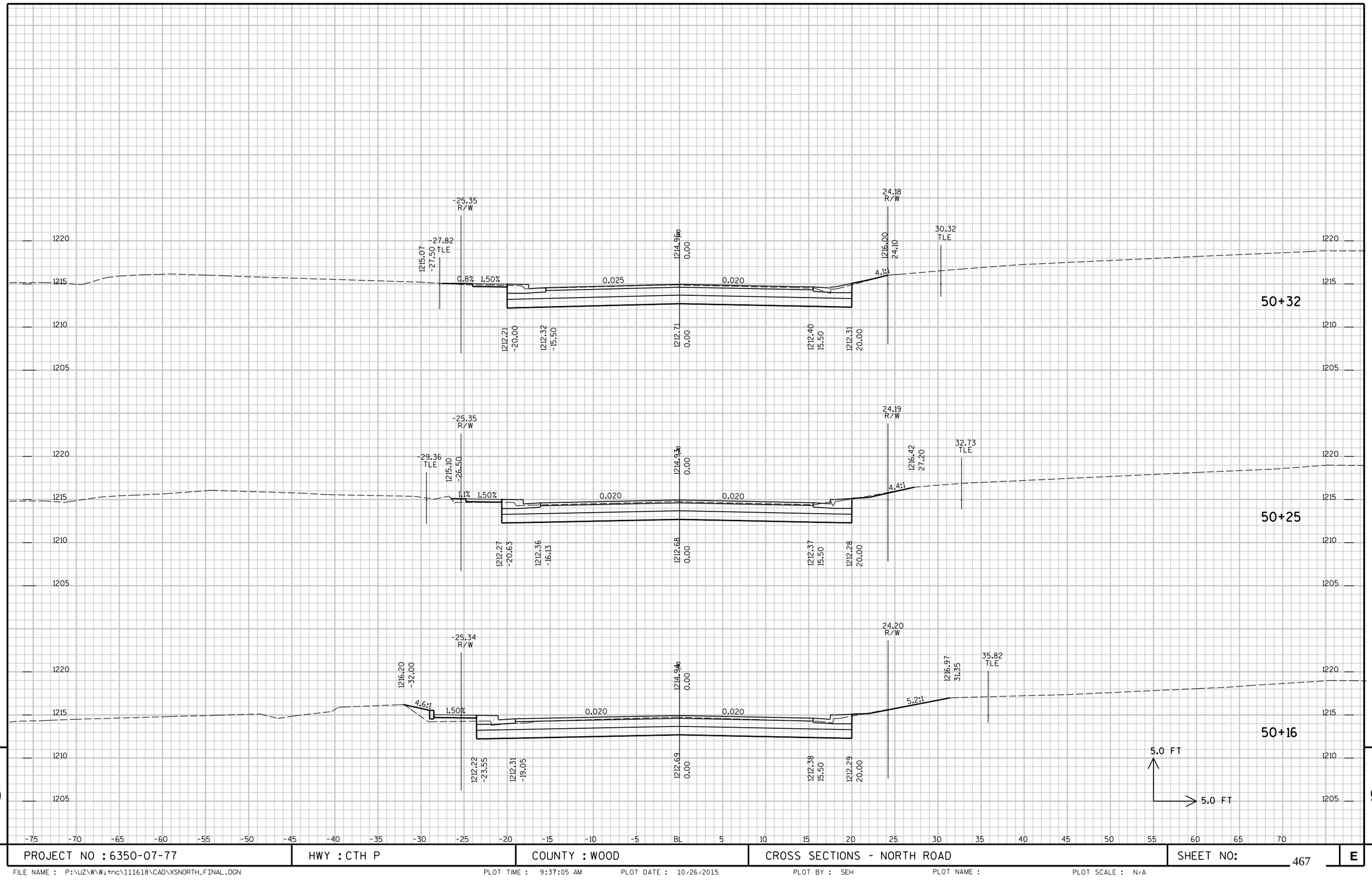


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9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - NORTH ROAD	SHEET NO: 466	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSNORTH_FINAL.DGN PLOT TIME : 9:37:04 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



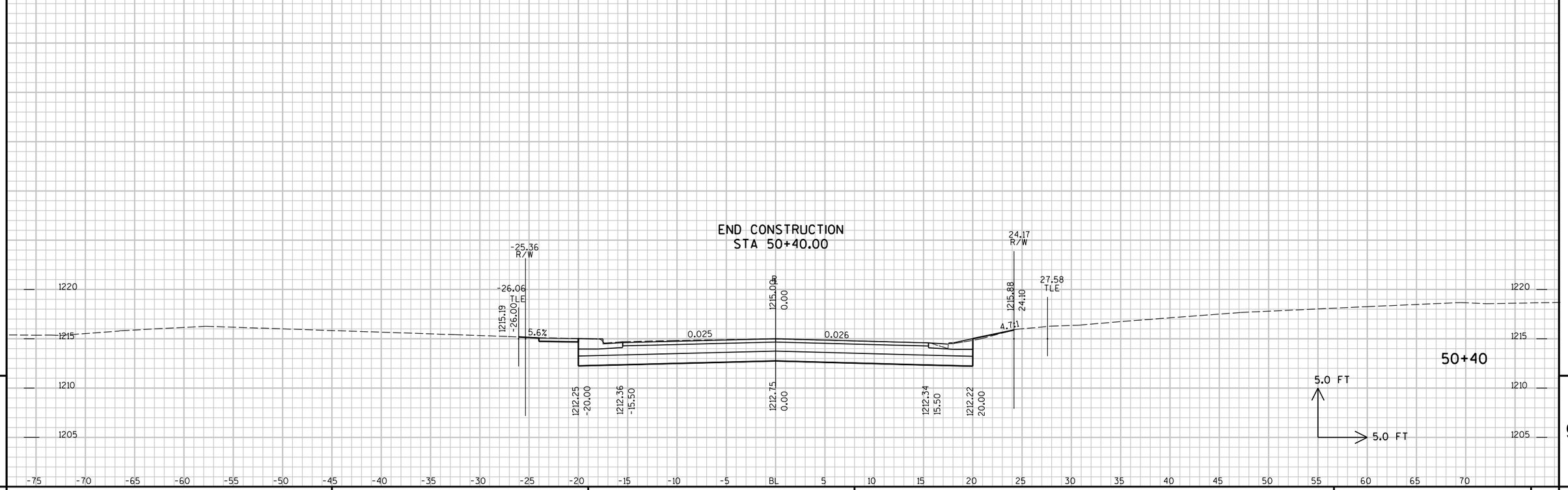
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9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - NORTH ROAD	SHEET NO:	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSNORTH_FINAL.DGN PLOT TIME : 9:37:05 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

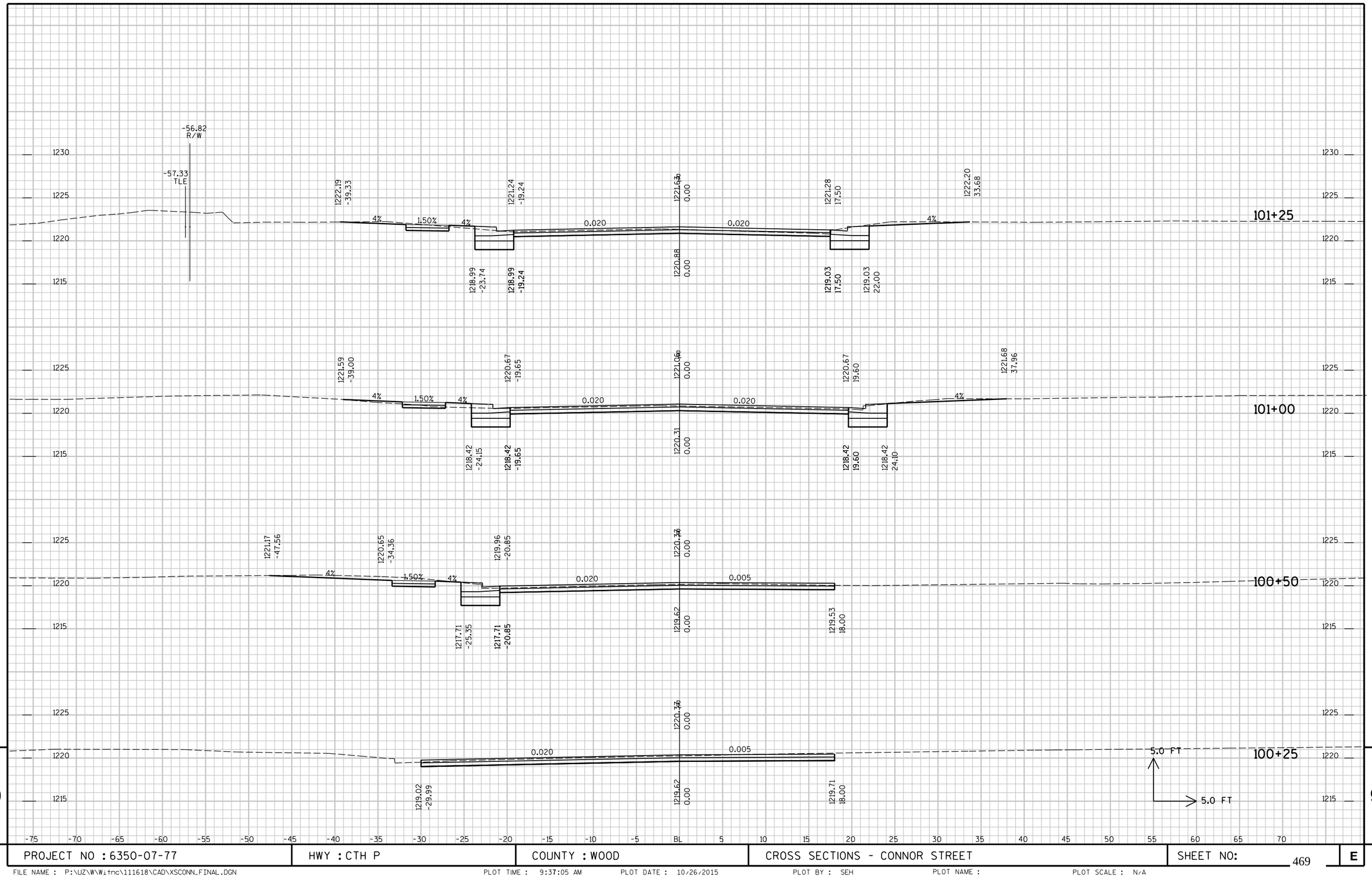
END CONSTRUCTION
STA 50+40.00



9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - NORTH ROAD	SHEET NO: 468	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSNORTH_FINAL.DGN PLOT TIME : 9:37:05 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

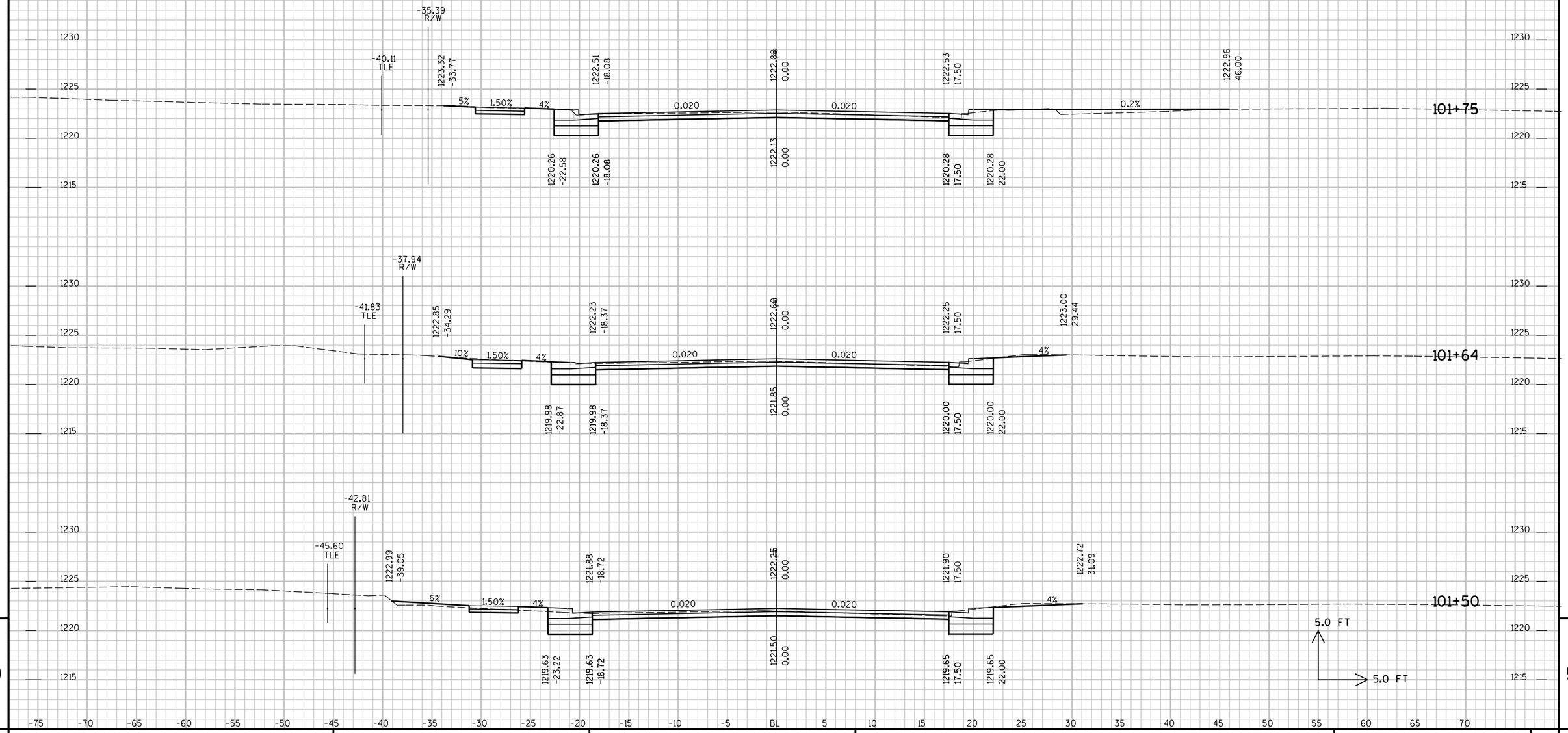


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9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CONNOR STREET	SHEET NO: 469	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSCONN_FINAL.DGN PLOT TIME : 9:37:05 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A



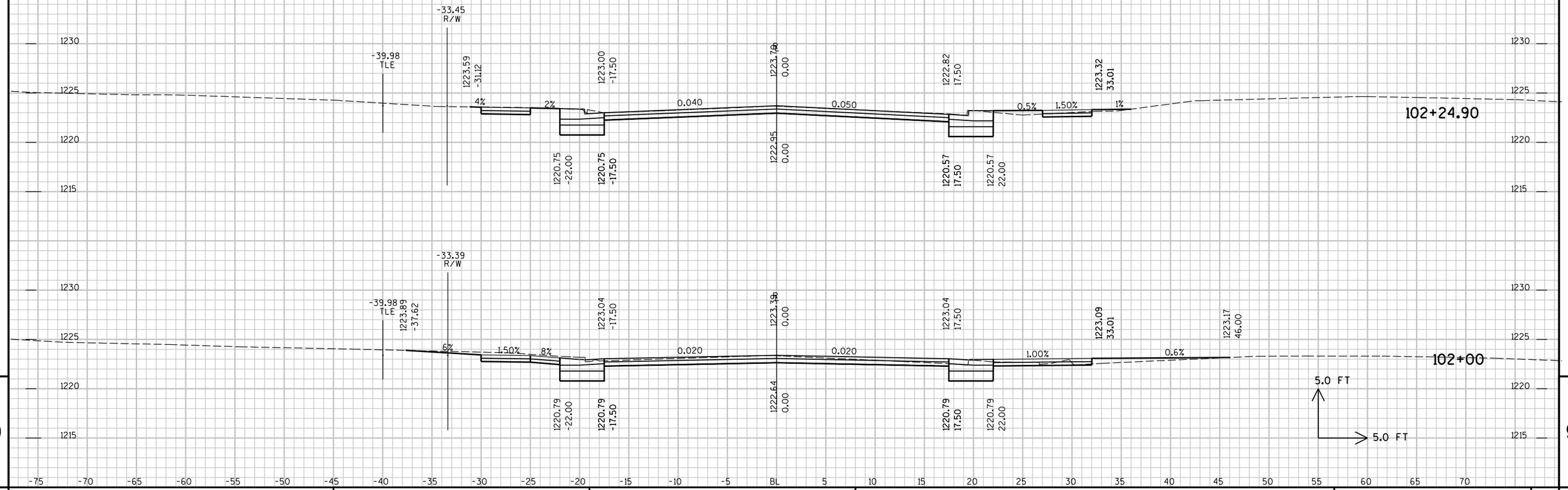
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9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CONNOR STREET	SHEET NO: 470	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSCONN_FINAL.DGN PLOT TIME : 9:37:05 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

END CONSTRUCTION
STA 102+24.91

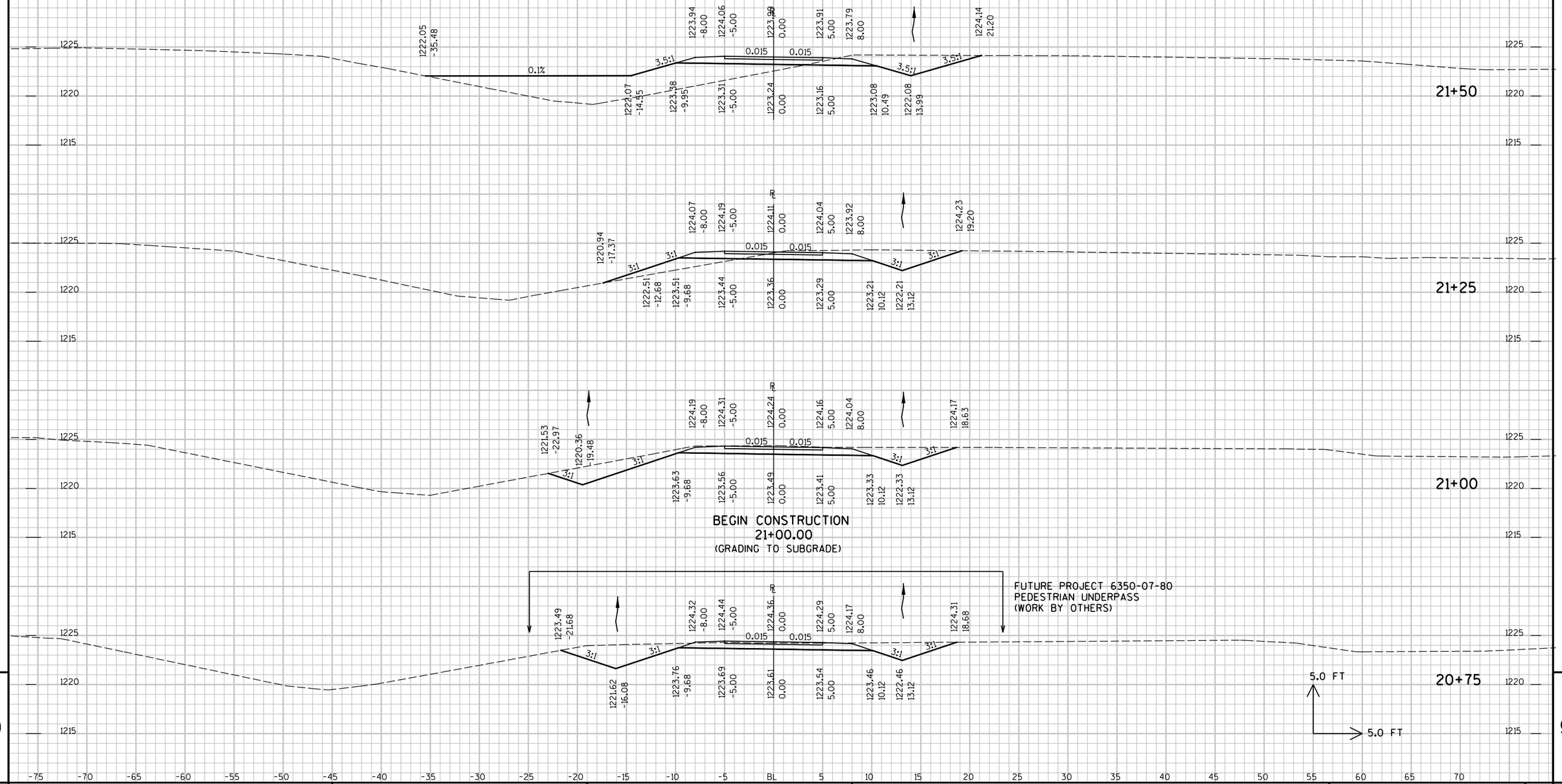


9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - CONNOR STREET	SHEET NO: 471	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSCONN_FINAL.DGN PLOT TIME : 9:37:06 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

NOTE:
6" BASE AGGREGATE DENSE 1 1/4-INCH
3" HMA PAVEMENT TYPE E-1 AND
3" BASE AGGREGATE DENSE 3/4-INCH
SHOULDER WILL BE CONSTRUCTED
UNDER PROJECT 6350-07-80



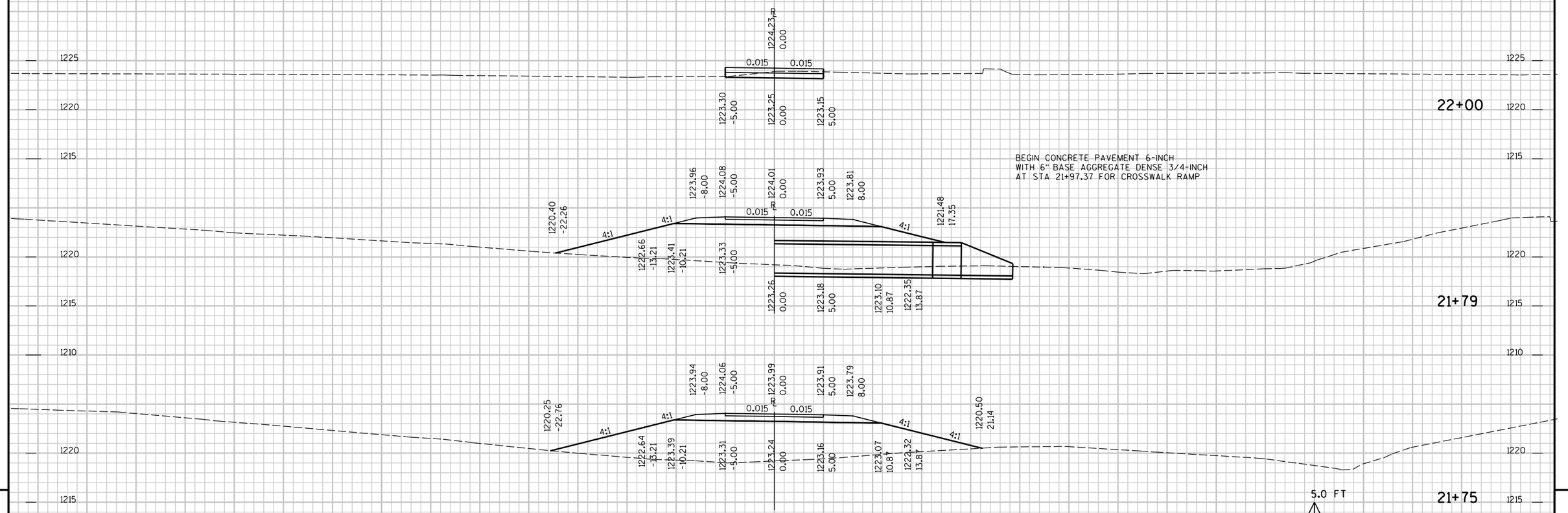
9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - SHARED-USE PATH	SHEET NO: 472	E

FILE NAME : P:\UZ\W\Witnc\111618\CAD\XSUP_FINAL.DGN PLOT TIME : 9:37:06 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

NOTE:
6" BASE AGGREGATE DENSE 1 1/4-INCH
3" HMA PAVEMENT TYPE E-1 AND
3" BASE AGGREGATE DENSE 3/4-INCH
SHOULDER WILL BE CONSTRUCTED
UNDER PROJECT 6350-07-80

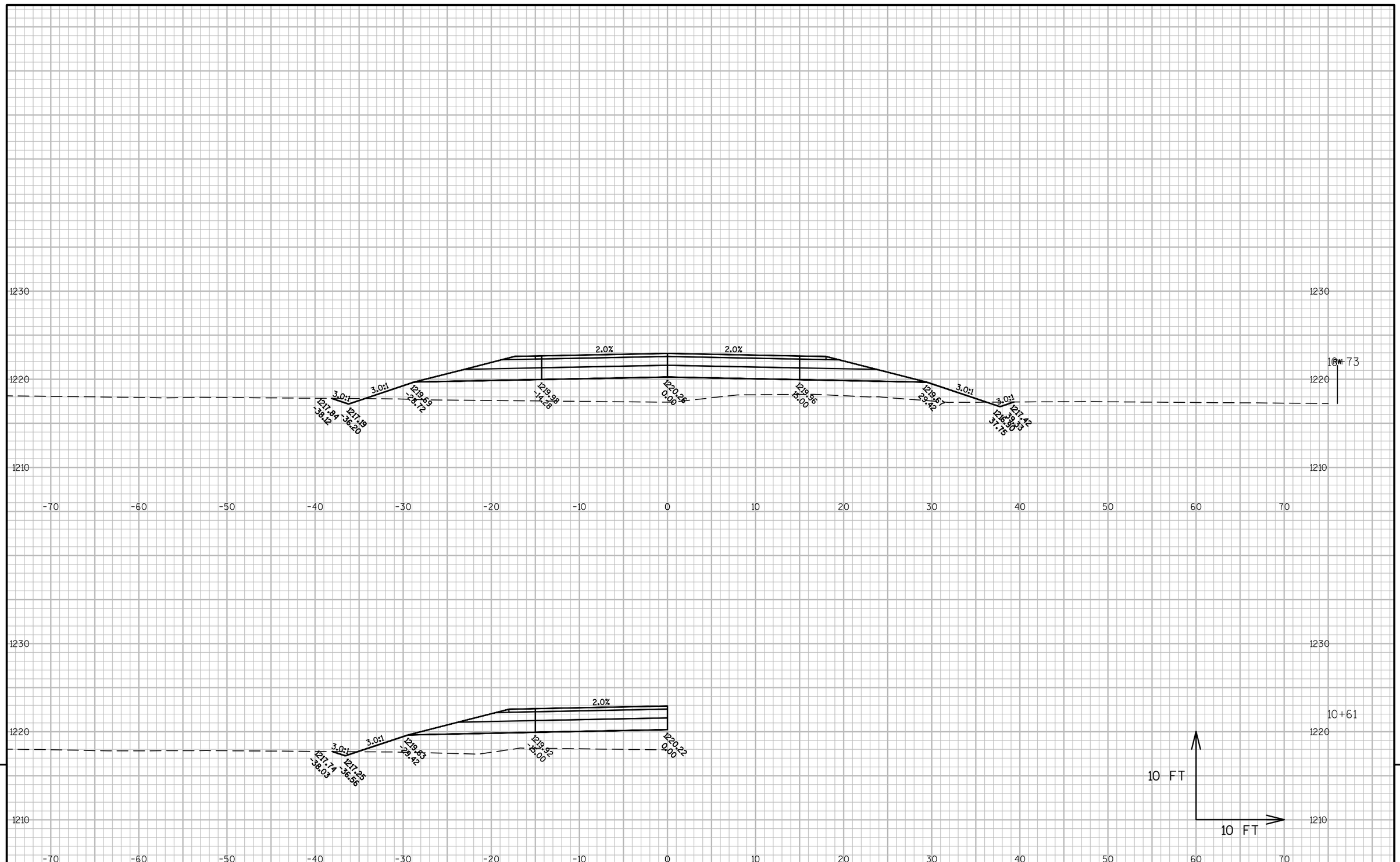
END CONSTRUCTION
22+08.36



9 9

PROJECT NO : 6350-07-77	HWY : CTH P	COUNTY : WOOD	CROSS SECTIONS - SHARED-USE PATH	SHEET NO: 473	E

FILE NAME : P:\UZ\W\Wi1nc\111618\CAD\XSUP_FINAL.DGN PLOT TIME : 9:37:06 AM PLOT DATE : 10/26/2015 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

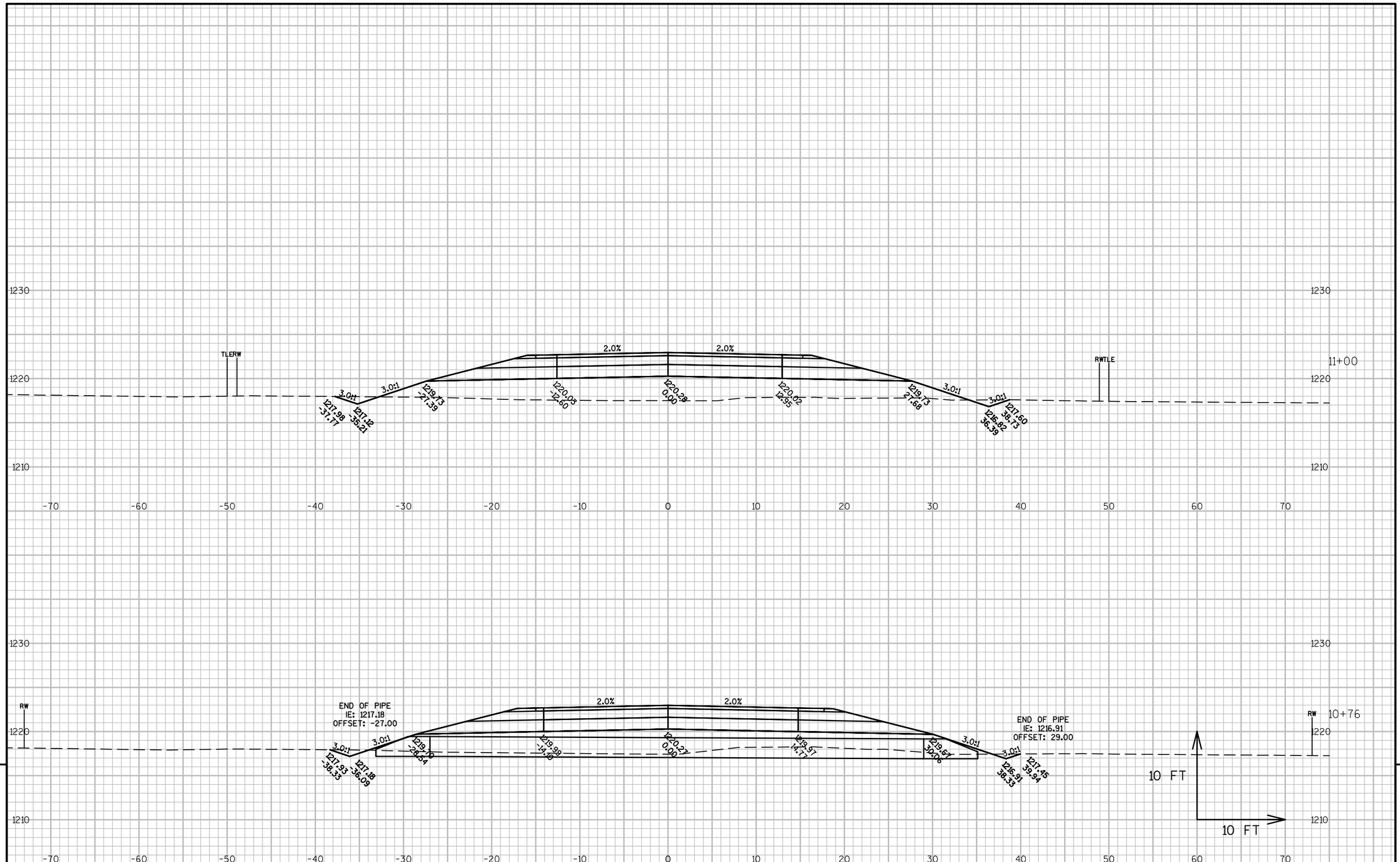


9

9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 474	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090201_XS
PLOT DATE : 10/13/2015 12:29 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

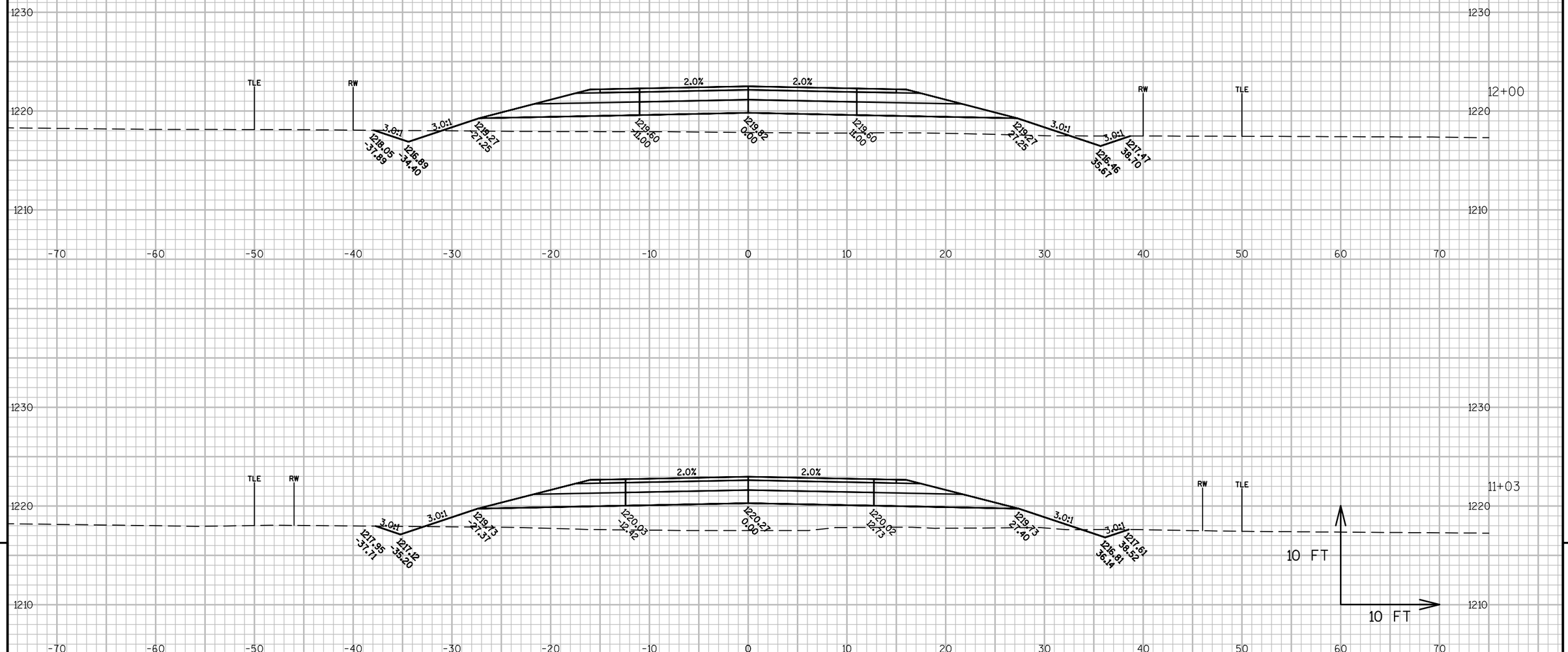


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 475	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 10/13/2015 12:30 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

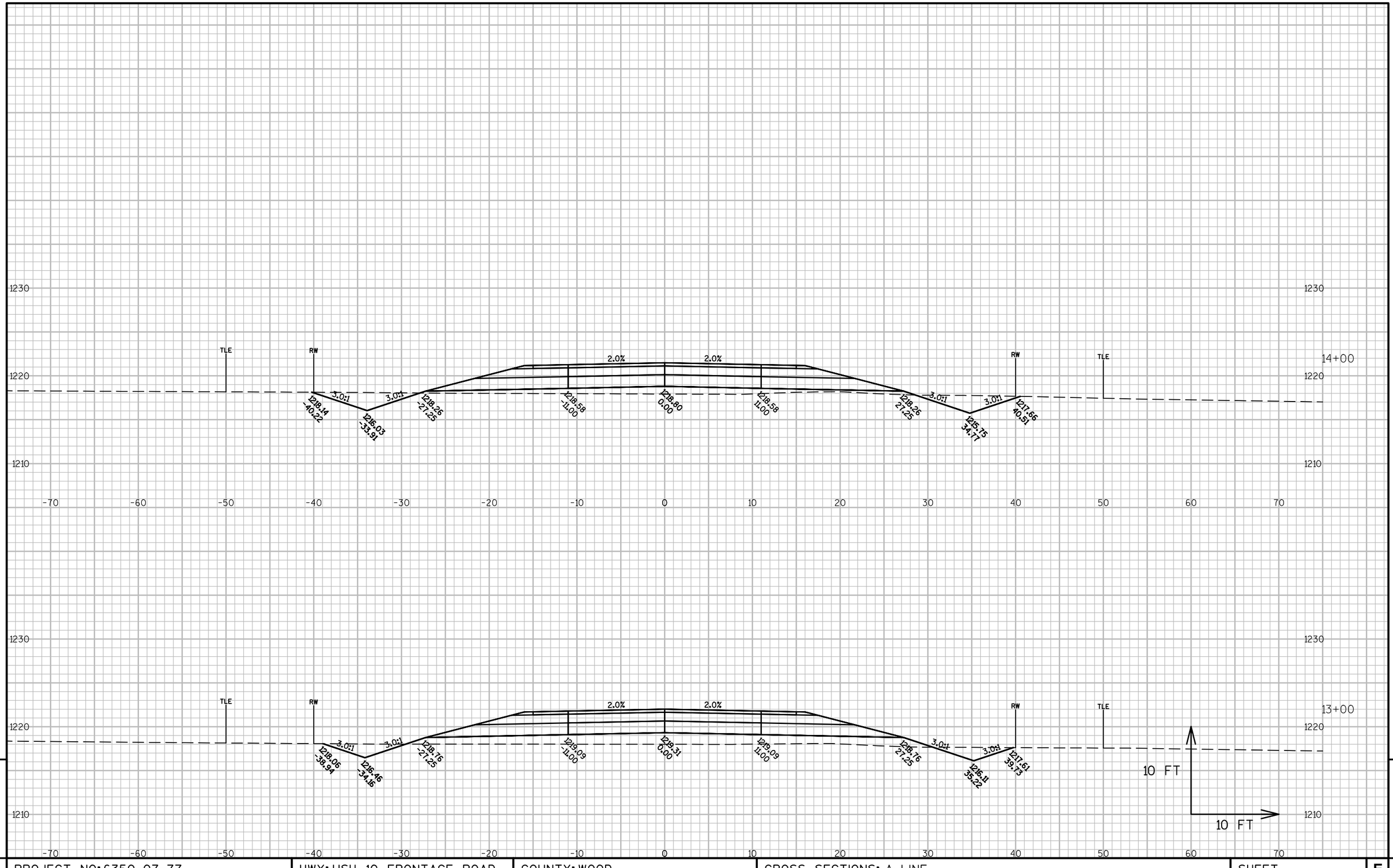


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 476	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 10/13/2015 12:31 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

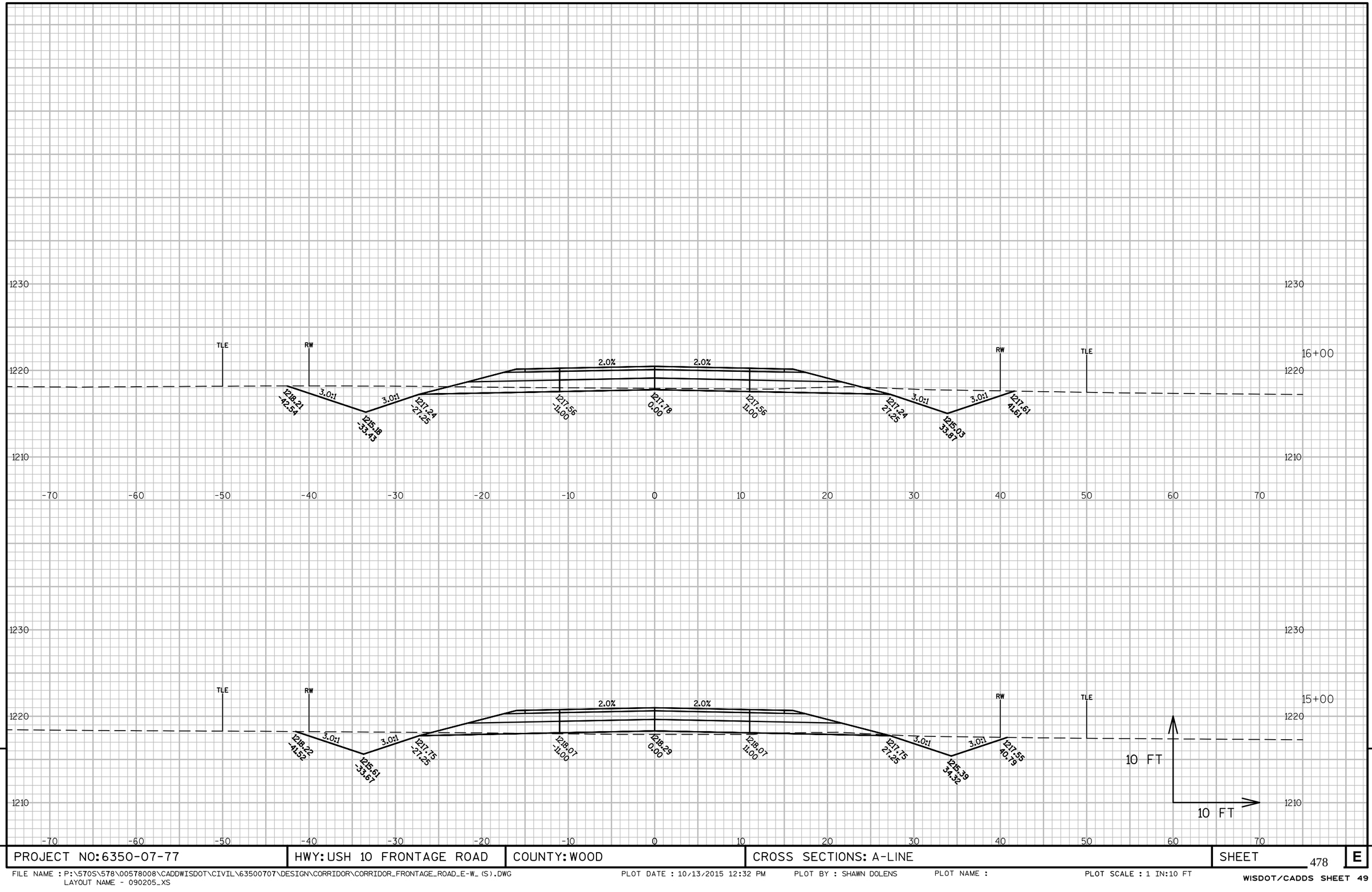
WISDOT/CADDS SHEET 49



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 477	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 10/13/2015 12:32 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

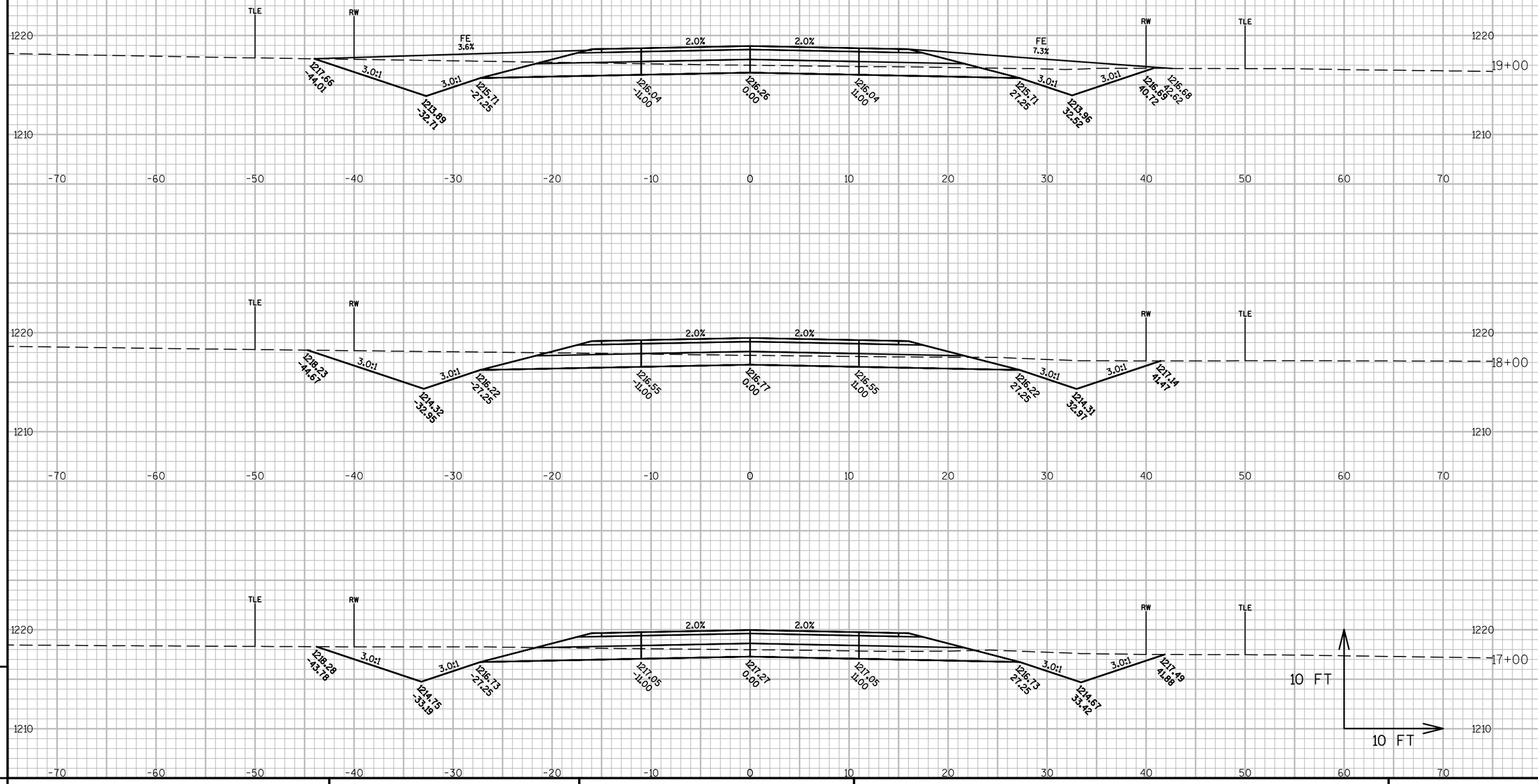
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 478	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 10/13/2015 12:32 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

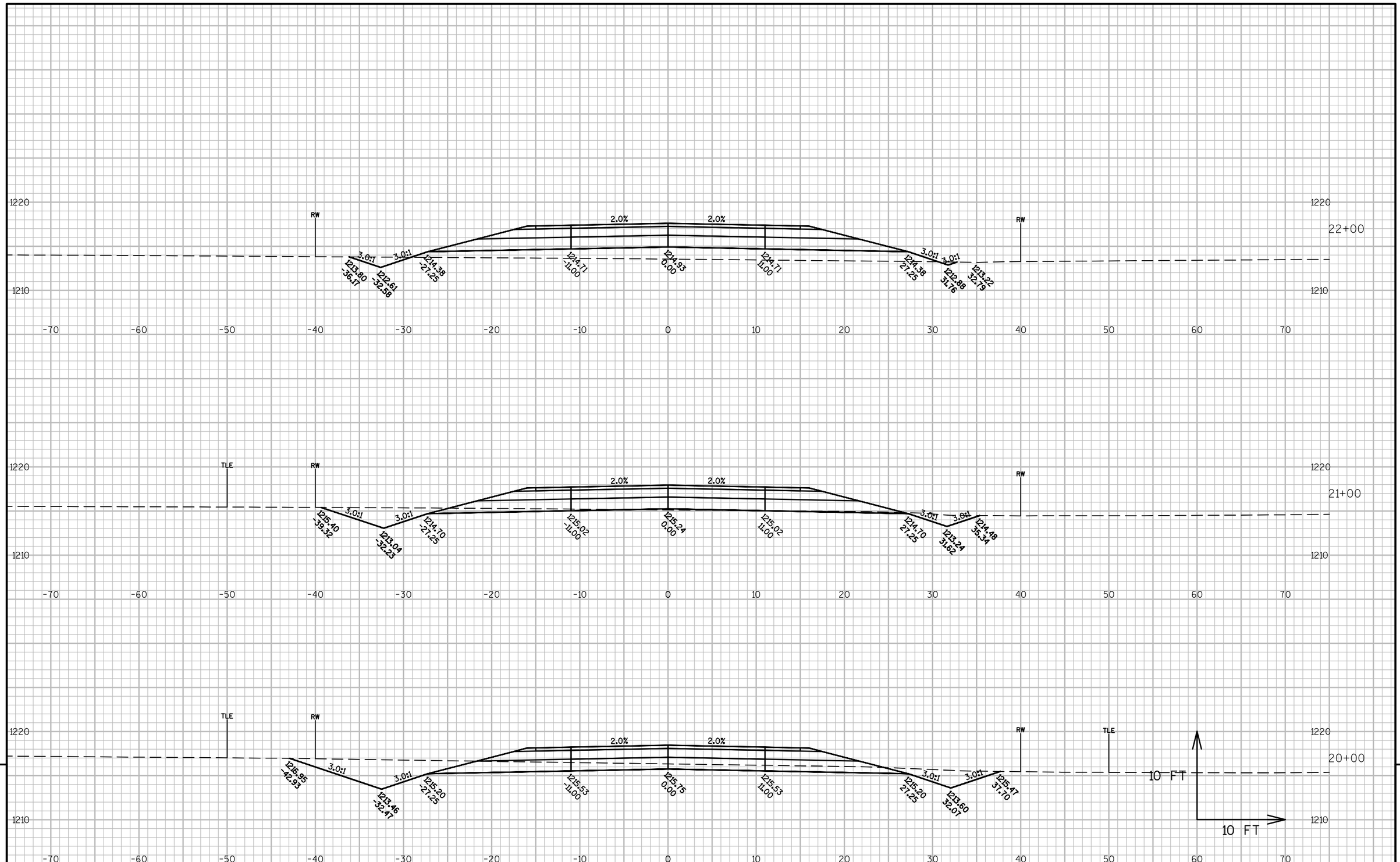
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 479	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 10/13/2015 12:33 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

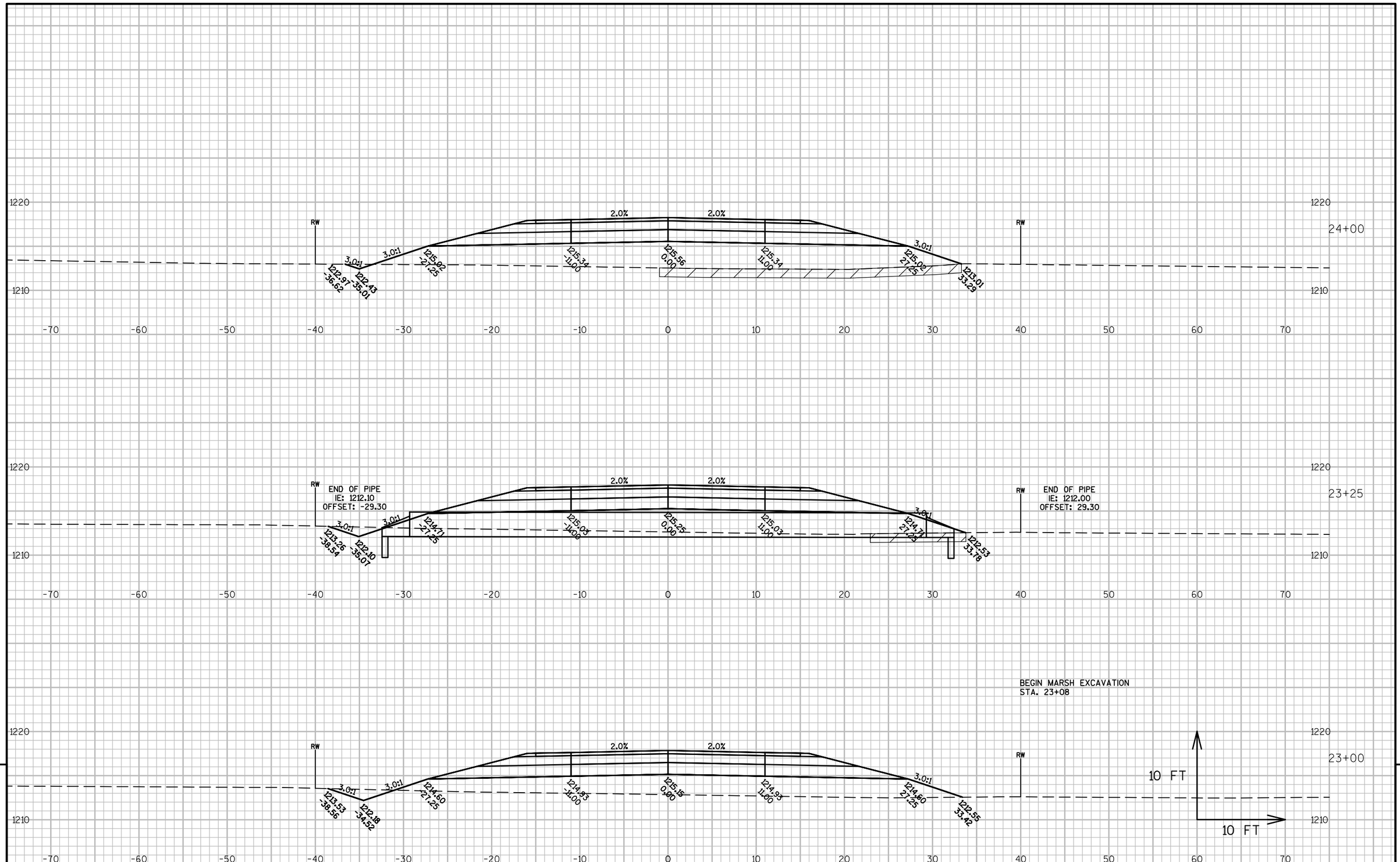
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 480	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 10/13/2015 12:34 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



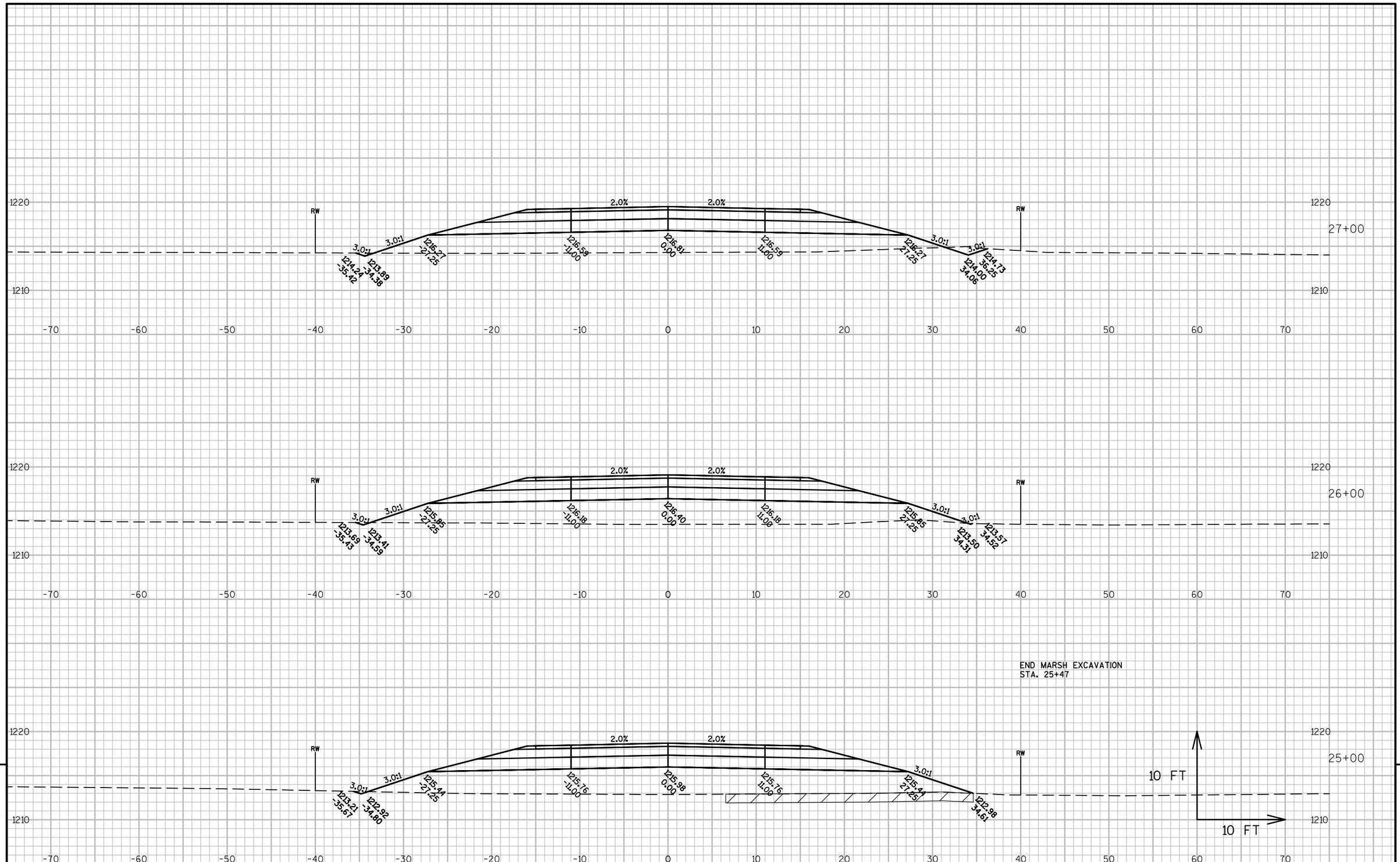
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9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 481	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 10/13/2015 12:35 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

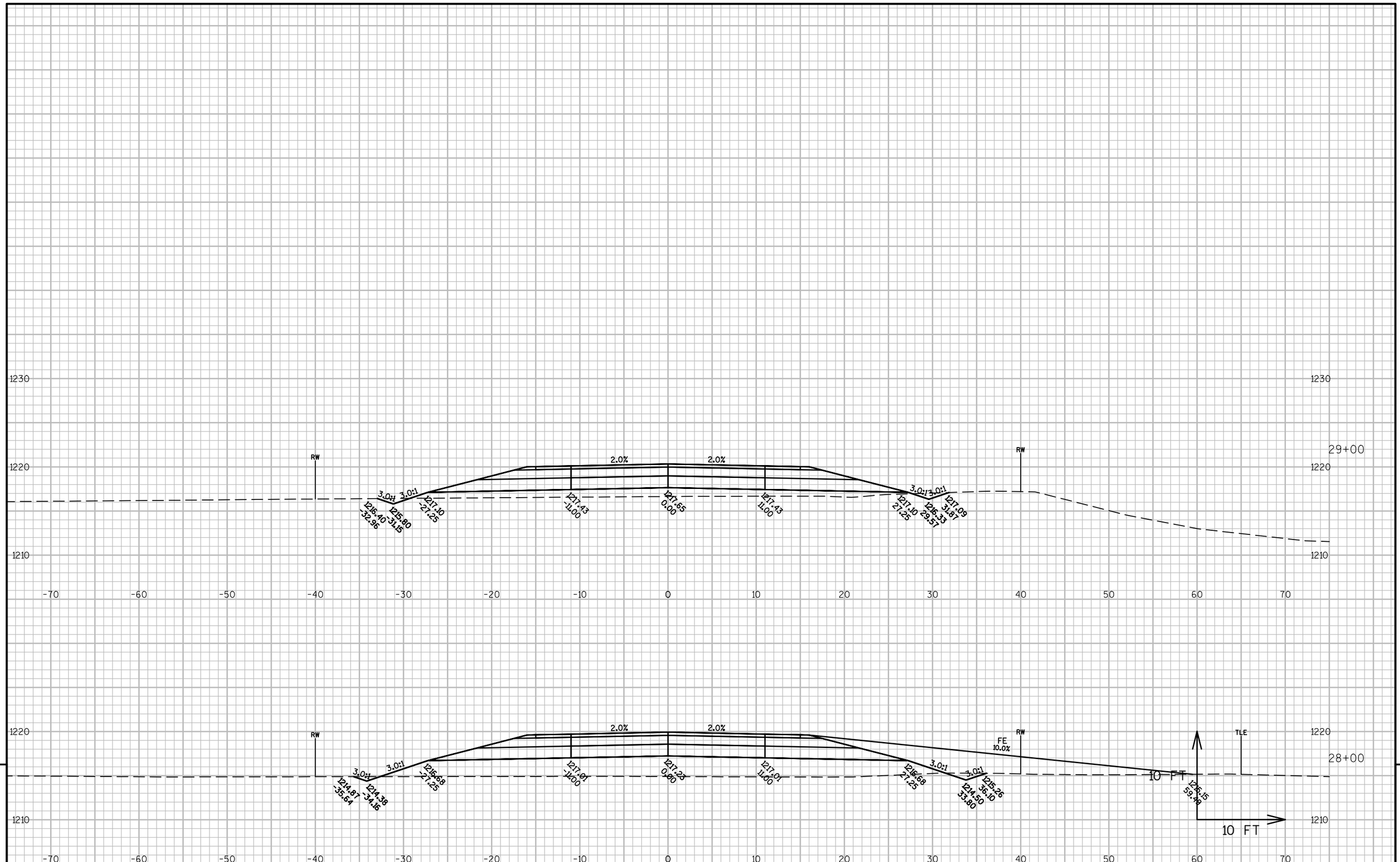
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 482	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 10/13/2015 1:51 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



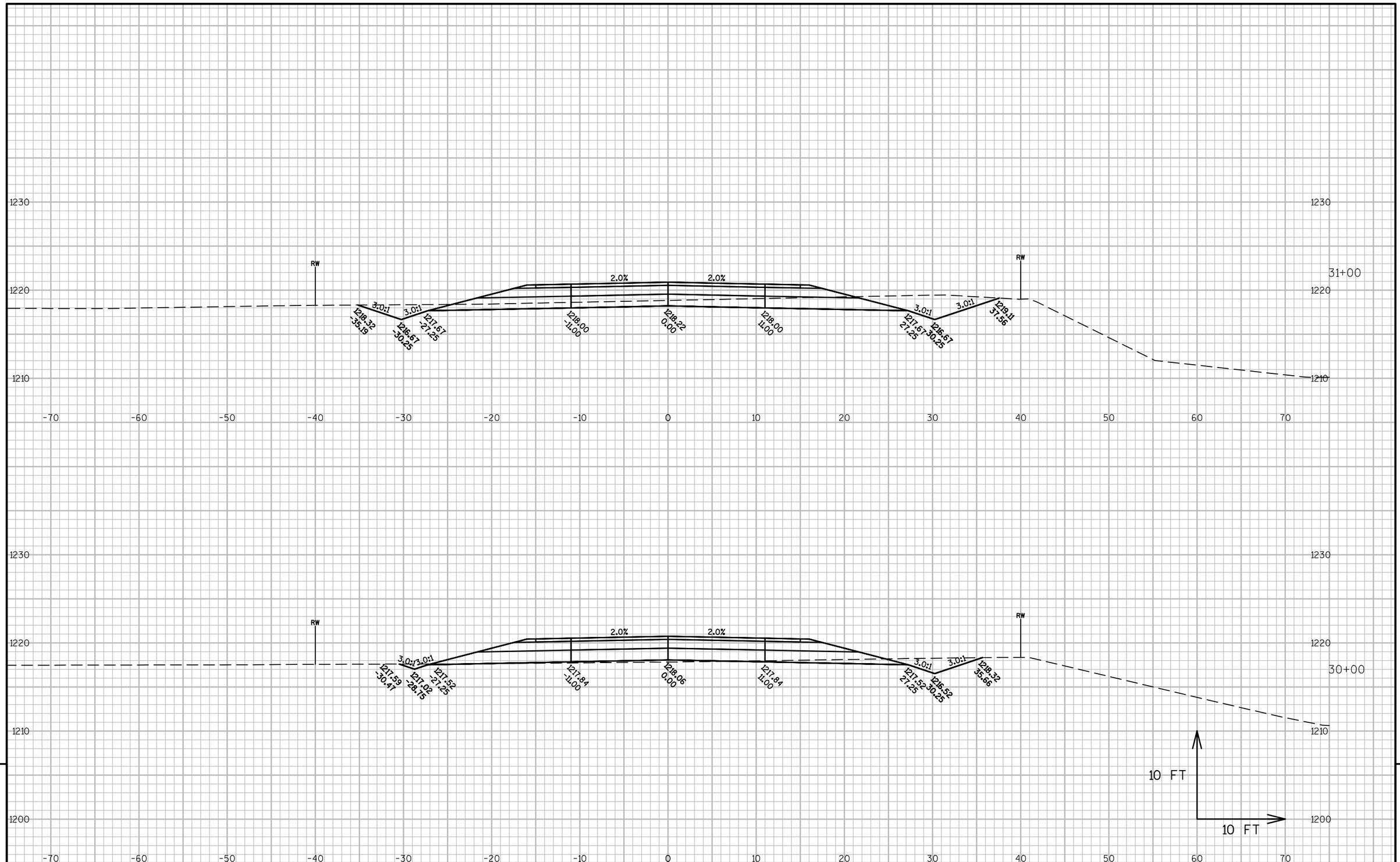
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9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 483	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 10/13/2015 12:37 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

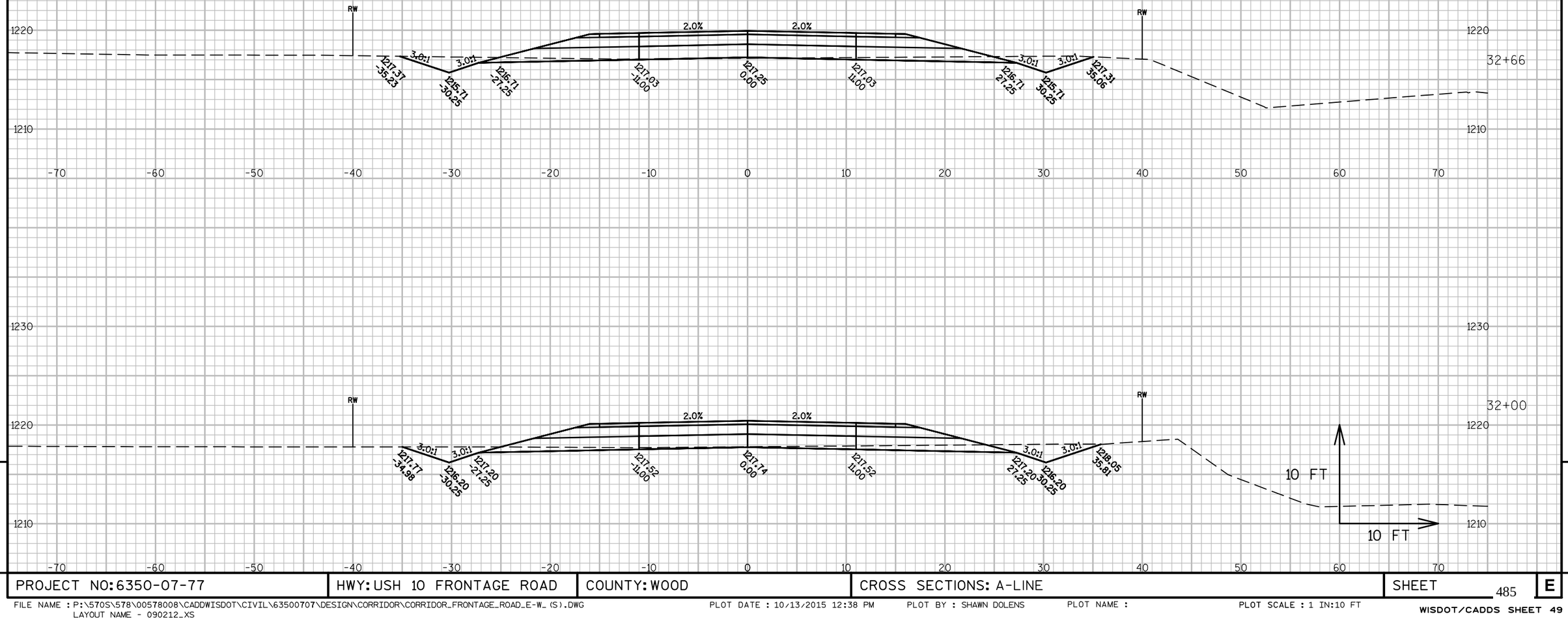
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 484	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 10/13/2015 12:38 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



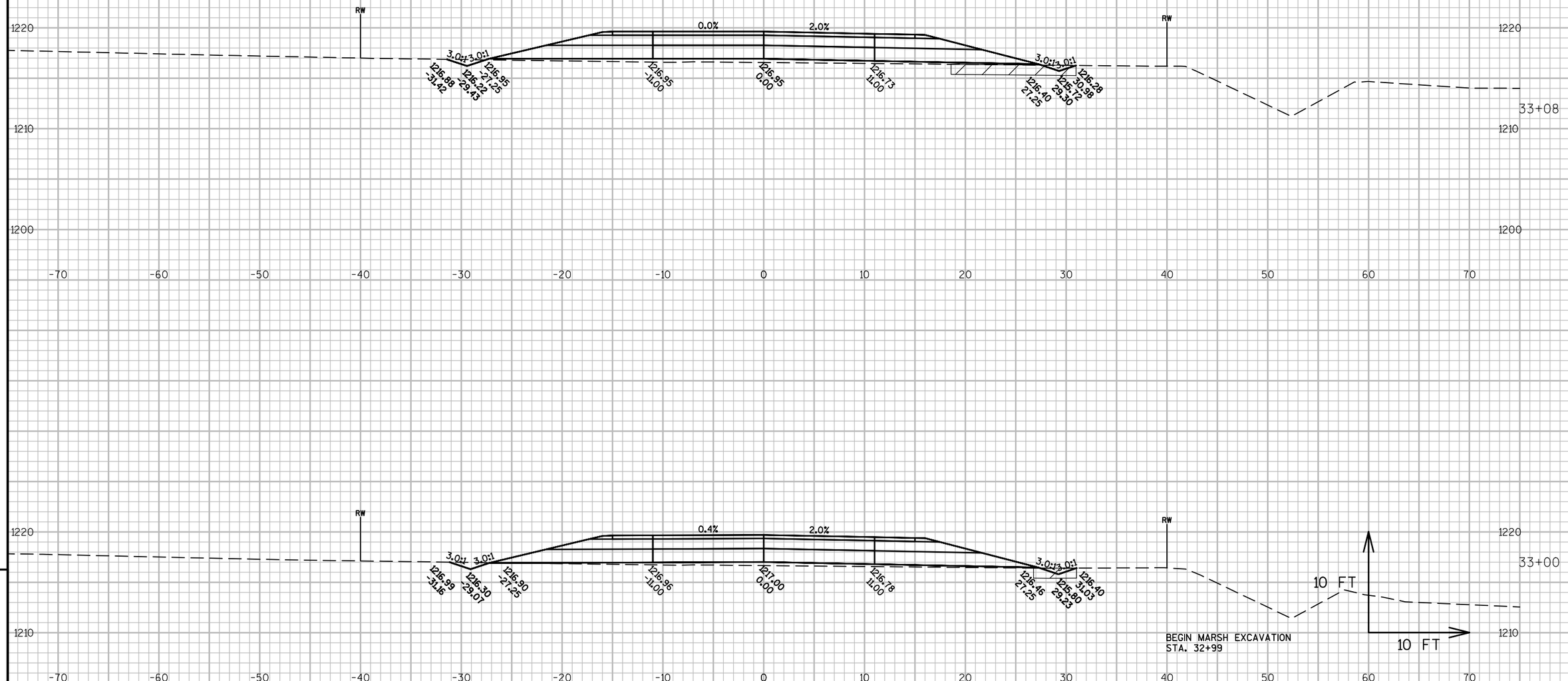
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 485	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090212_XS

PLOT DATE : 10/13/2015 12:38 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

END MARSH EXCAVATION
STA. 33+30



9

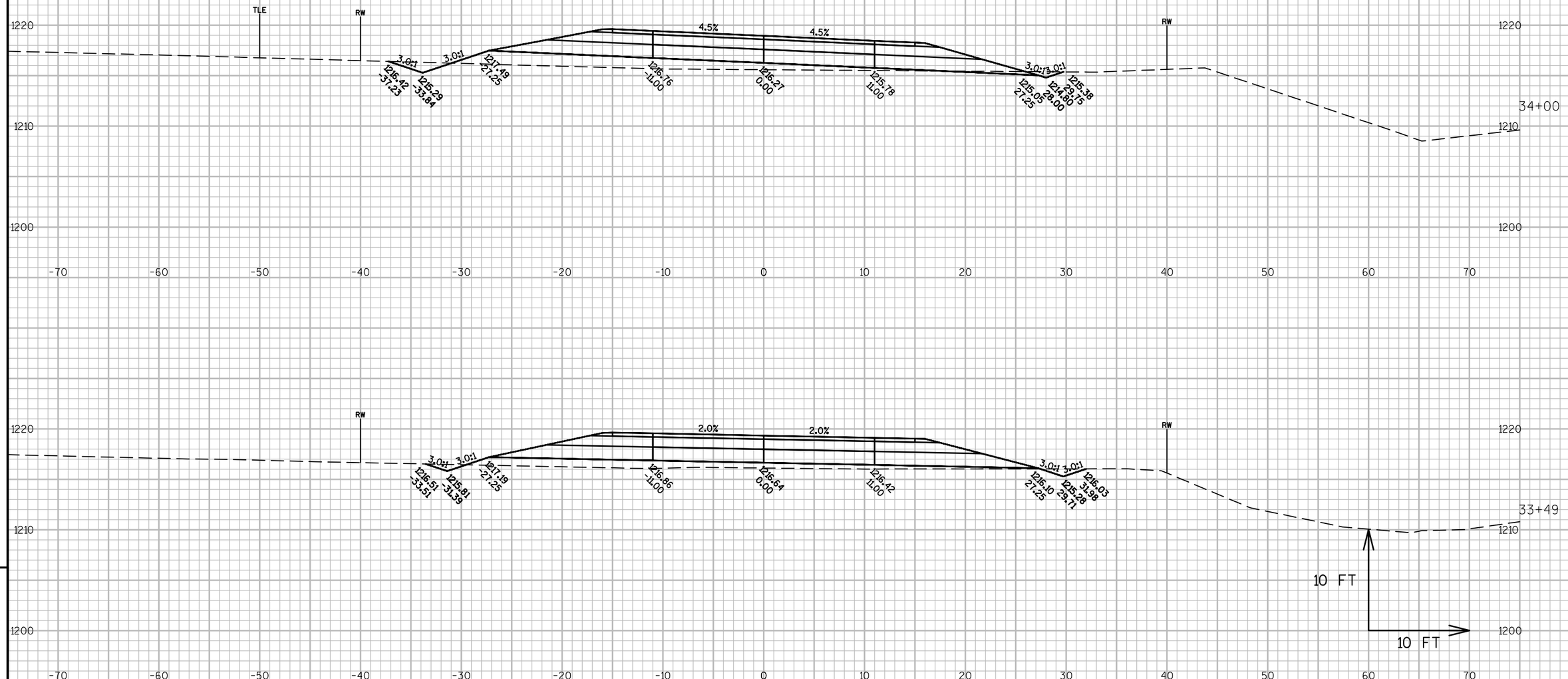
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 486	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090213_XS

PLOT DATE : 10/13/2015 12:39 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

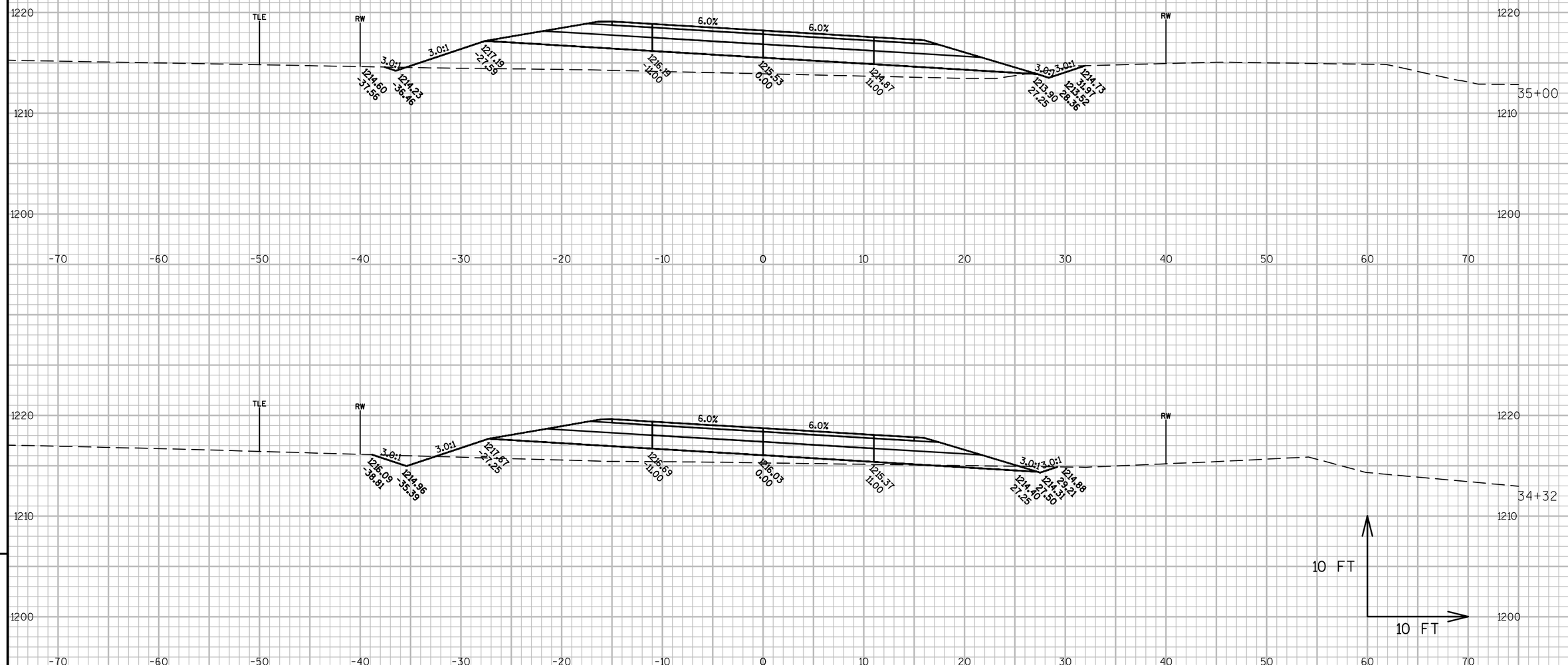


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 487	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090214_XS

PLOT DATE : 10/13/2015 12:40 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

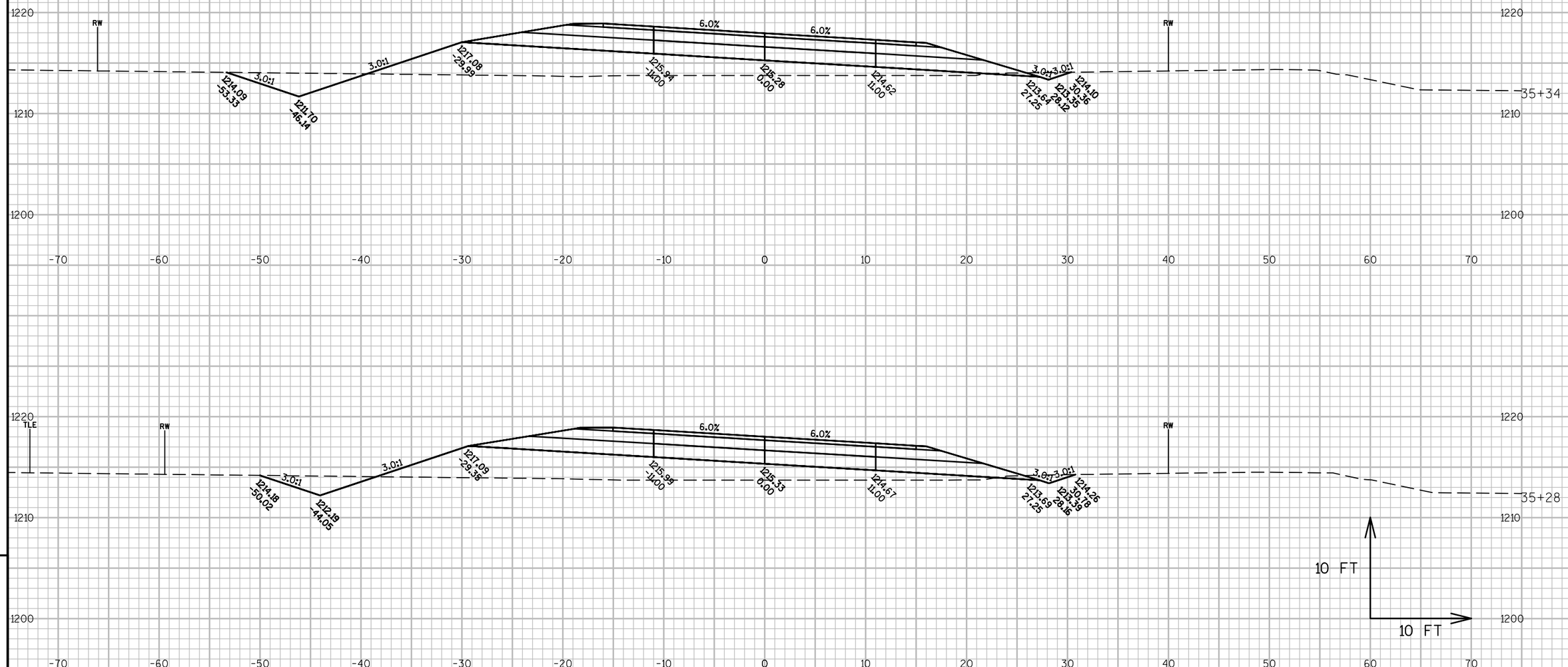


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 488 E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090215_XS

PLOT DATE : 10/13/2015 12:41 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

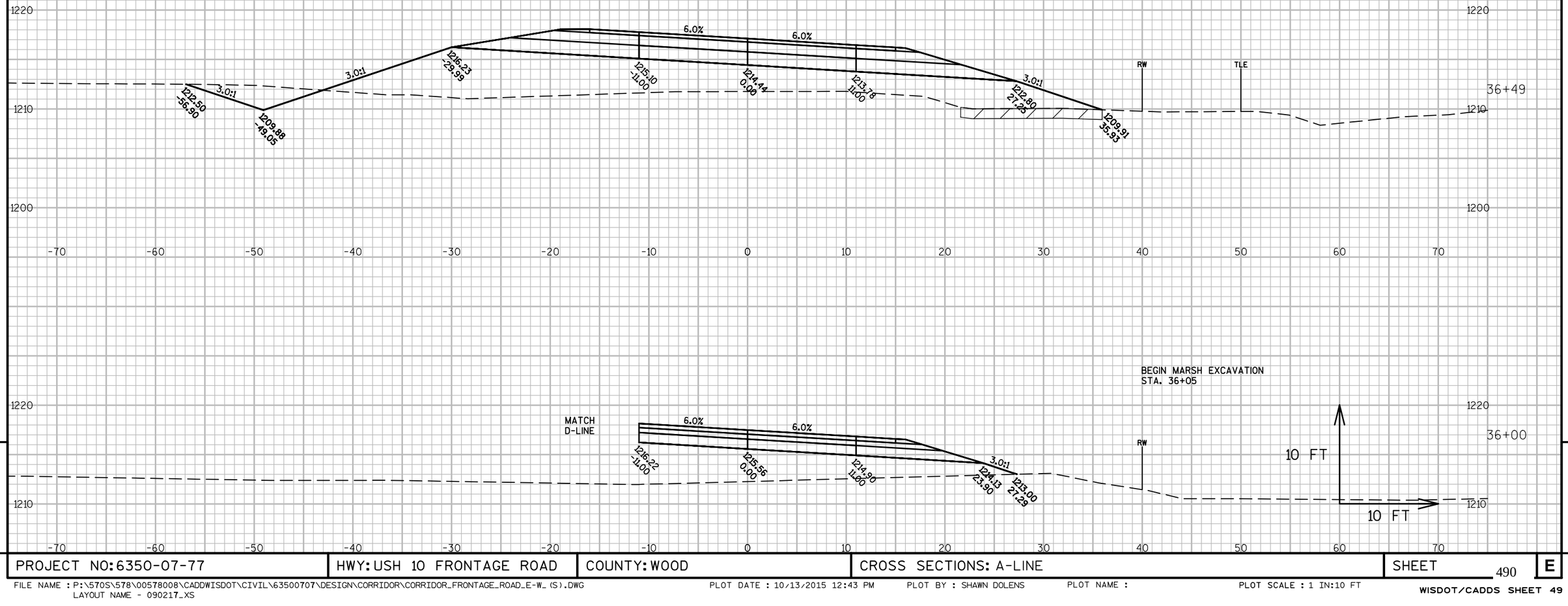
9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 489	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090216_XS

PLOT DATE : 10/13/2015 12:42 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

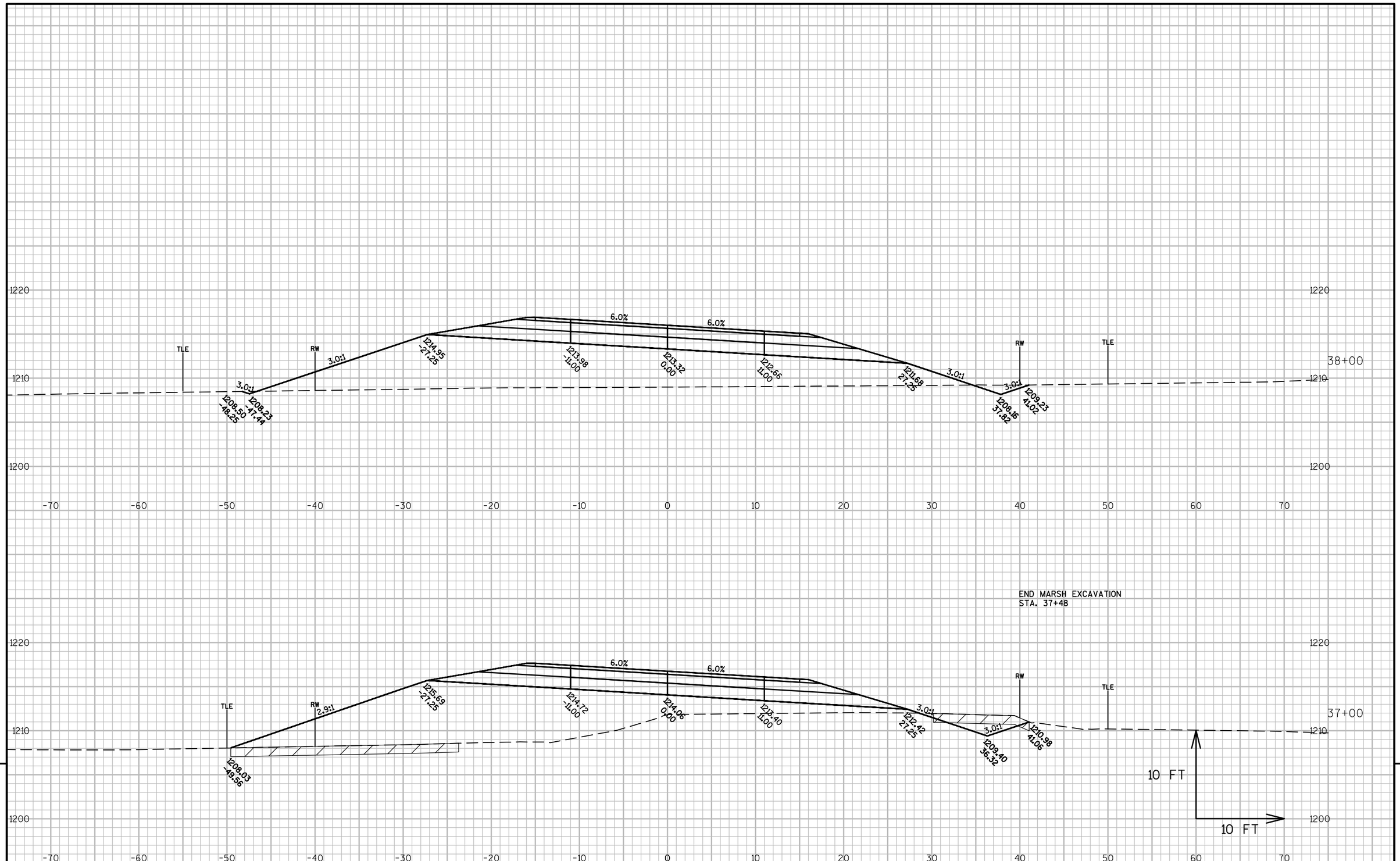
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 490	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090217_XS

PLOT DATE : 10/13/2015 12:43 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

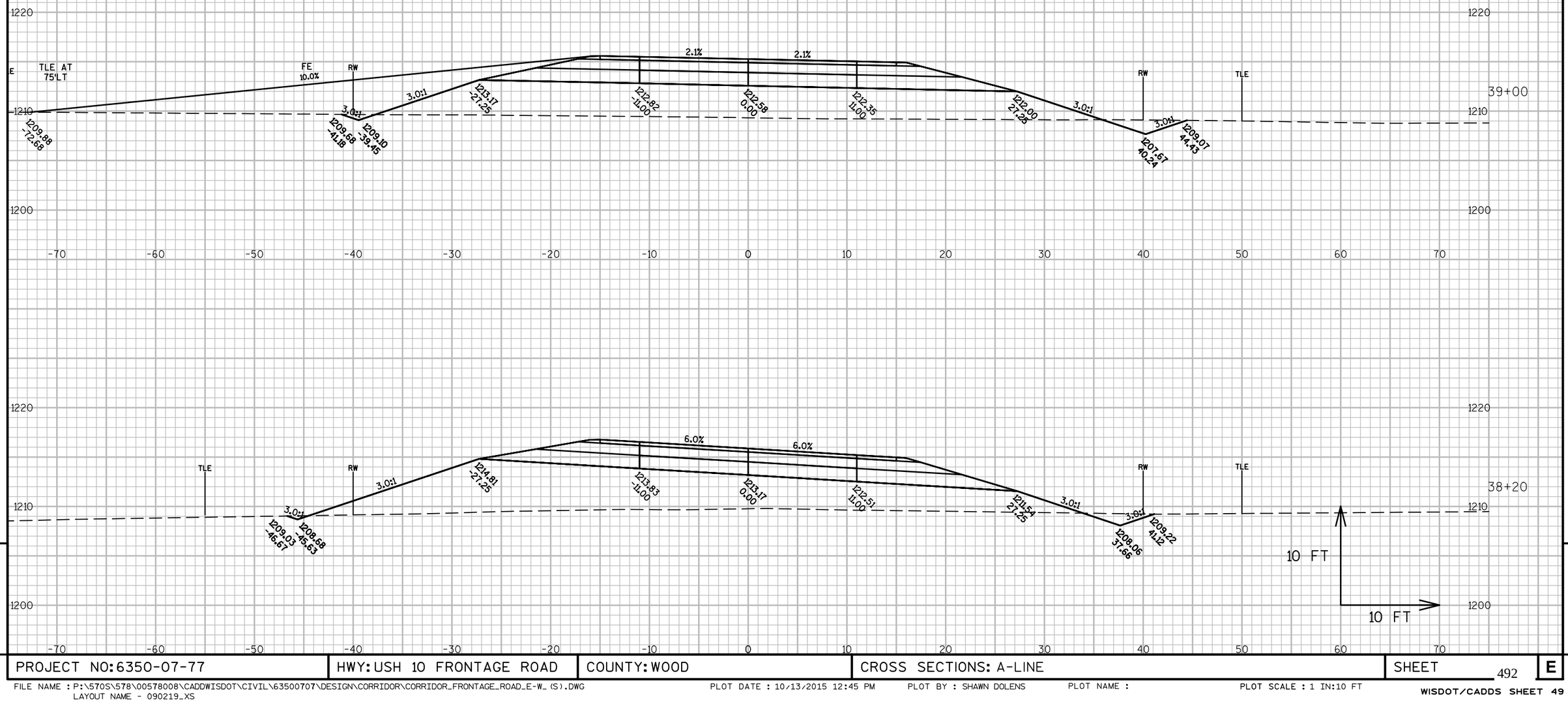
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 491	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090218_XS

PLOT DATE : 10/21/2015 3:03 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

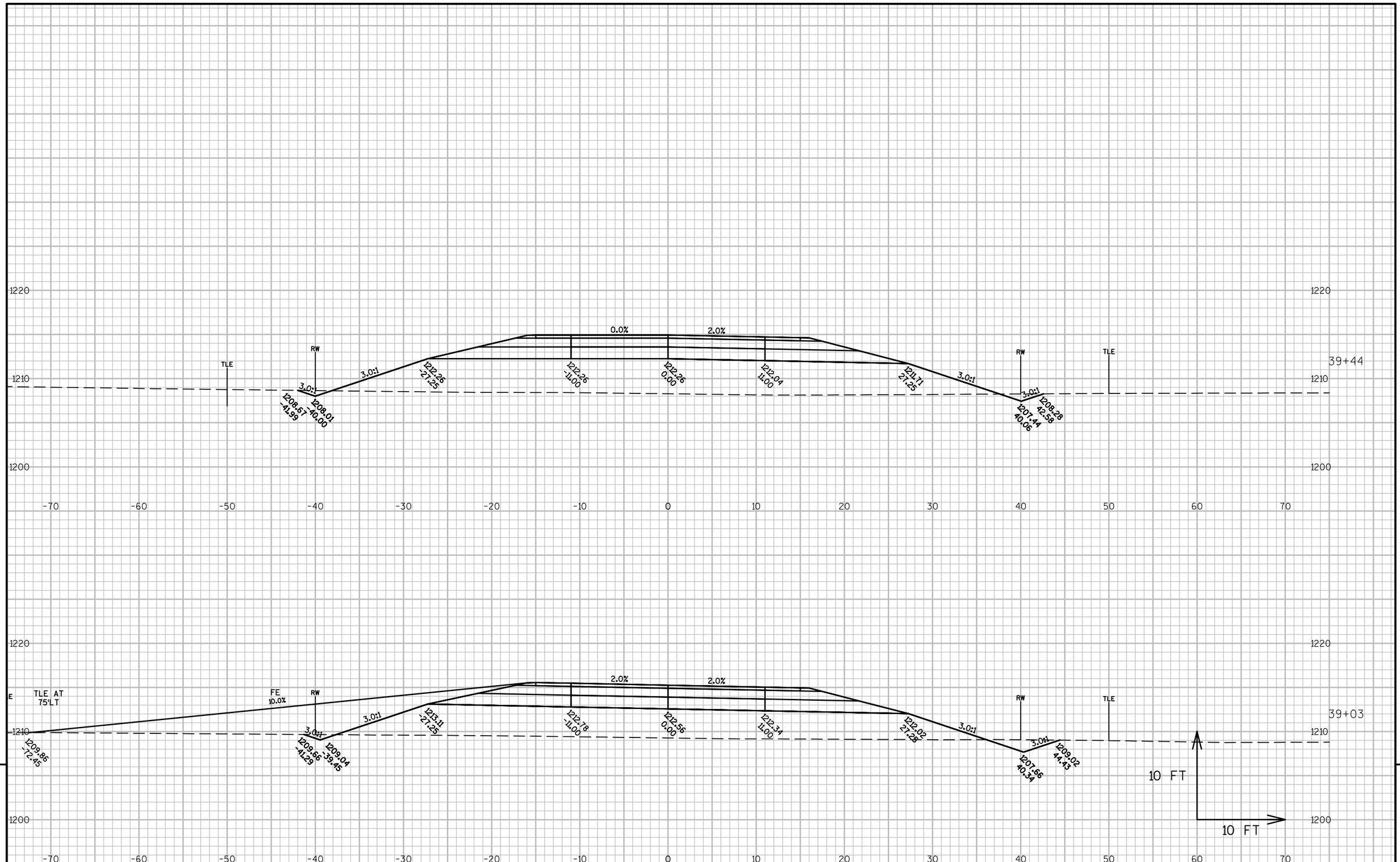
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 492 E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090219_XS

PLOT DATE : 10/13/2015 12:45 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

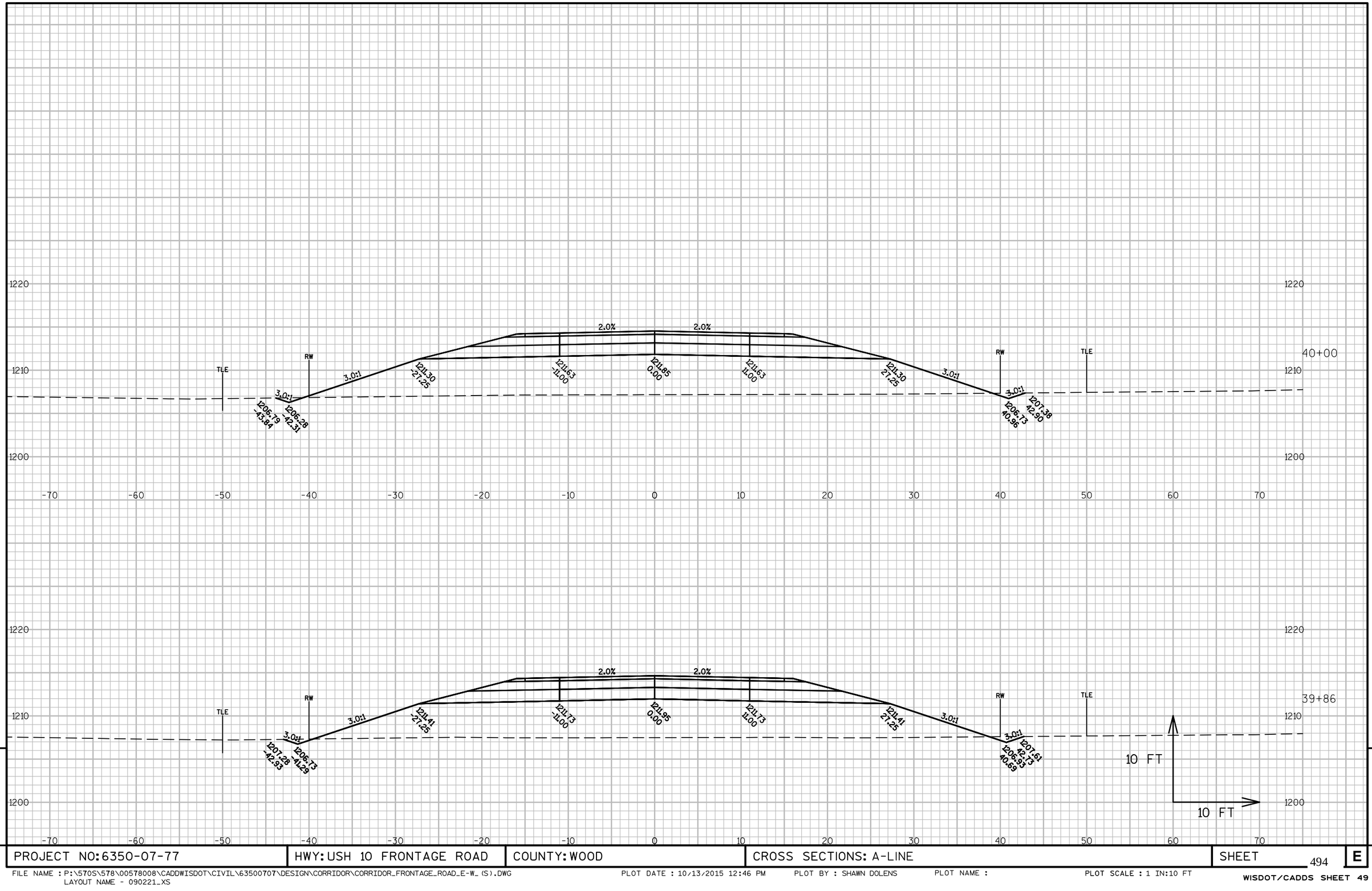


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 493	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090220_XS

PLOT DATE : 10/13/2015 12:45 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

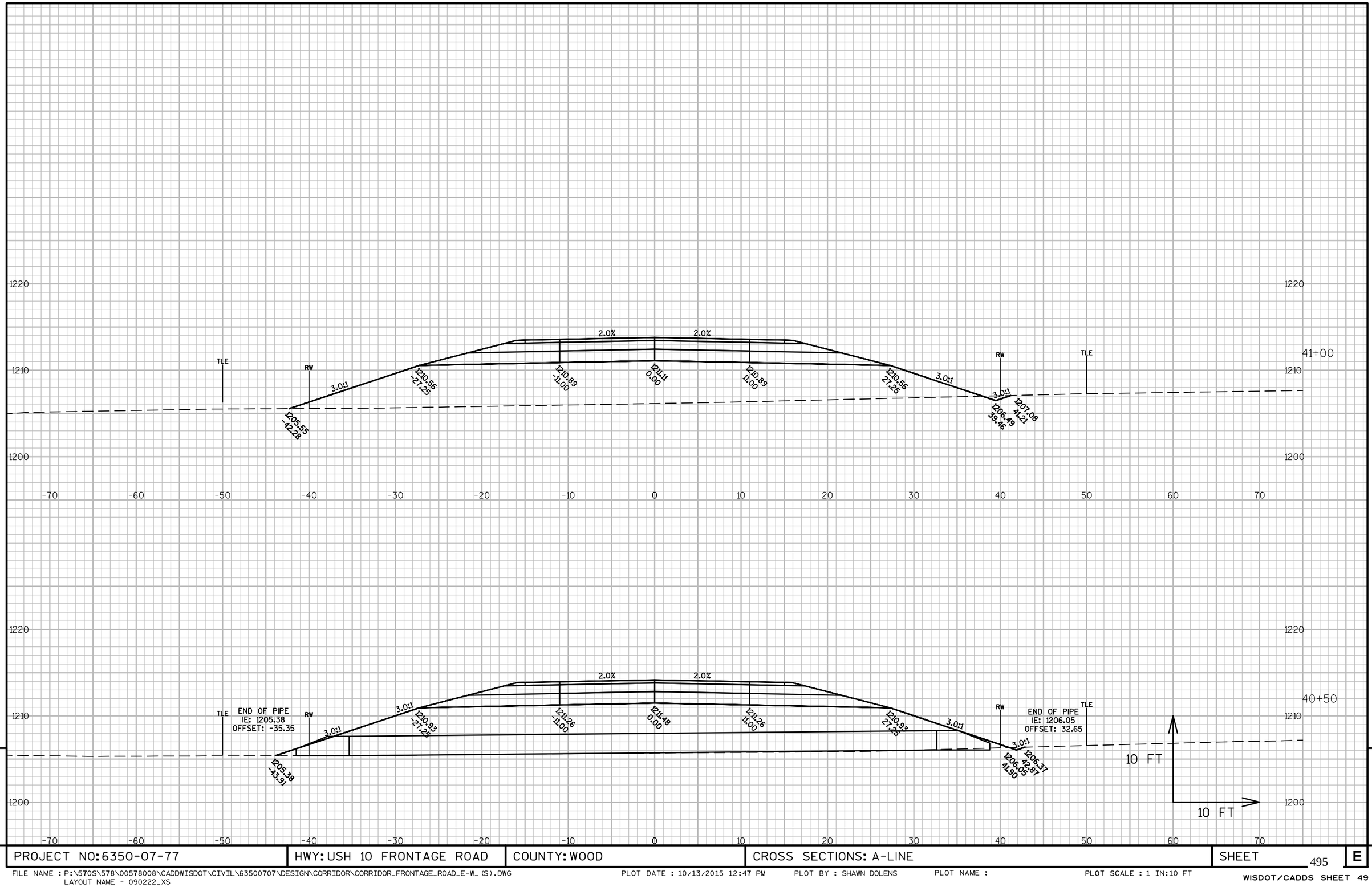
WISDOT/CADDS SHEET 49



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 494	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090221_XS

PLOT DATE : 10/13/2015 12:46 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



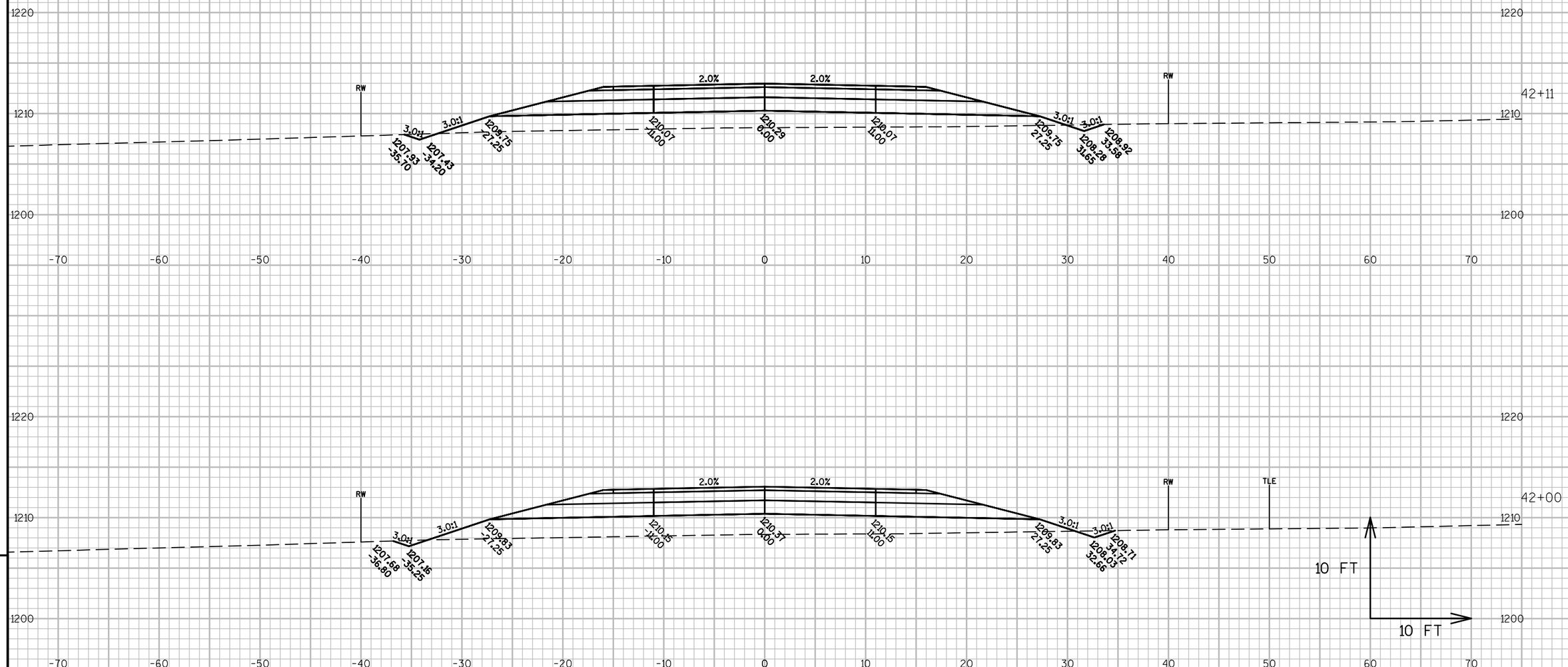
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 495	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090222_XS

PLOT DATE : 10/13/2015 12:47 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



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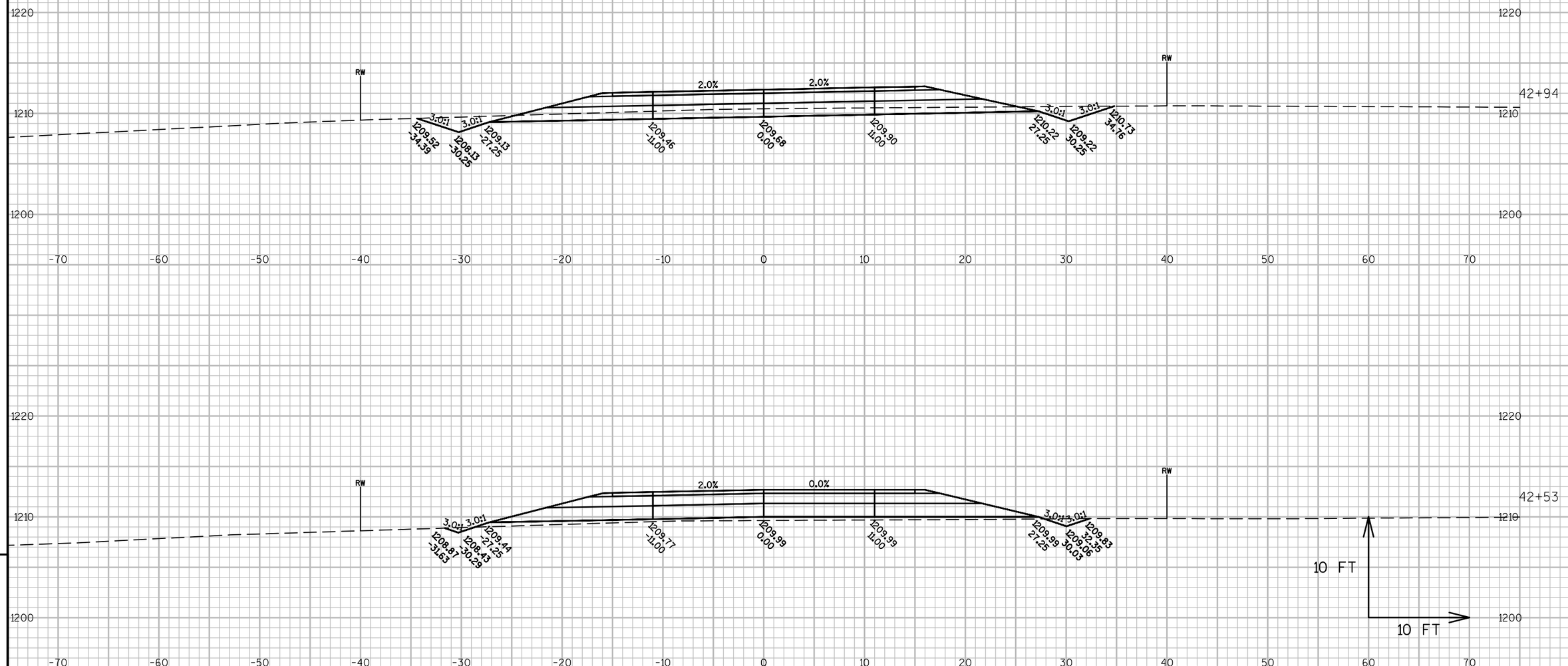
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 496	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090223_XS

PLOT DATE : 10/13/2015 12:48 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

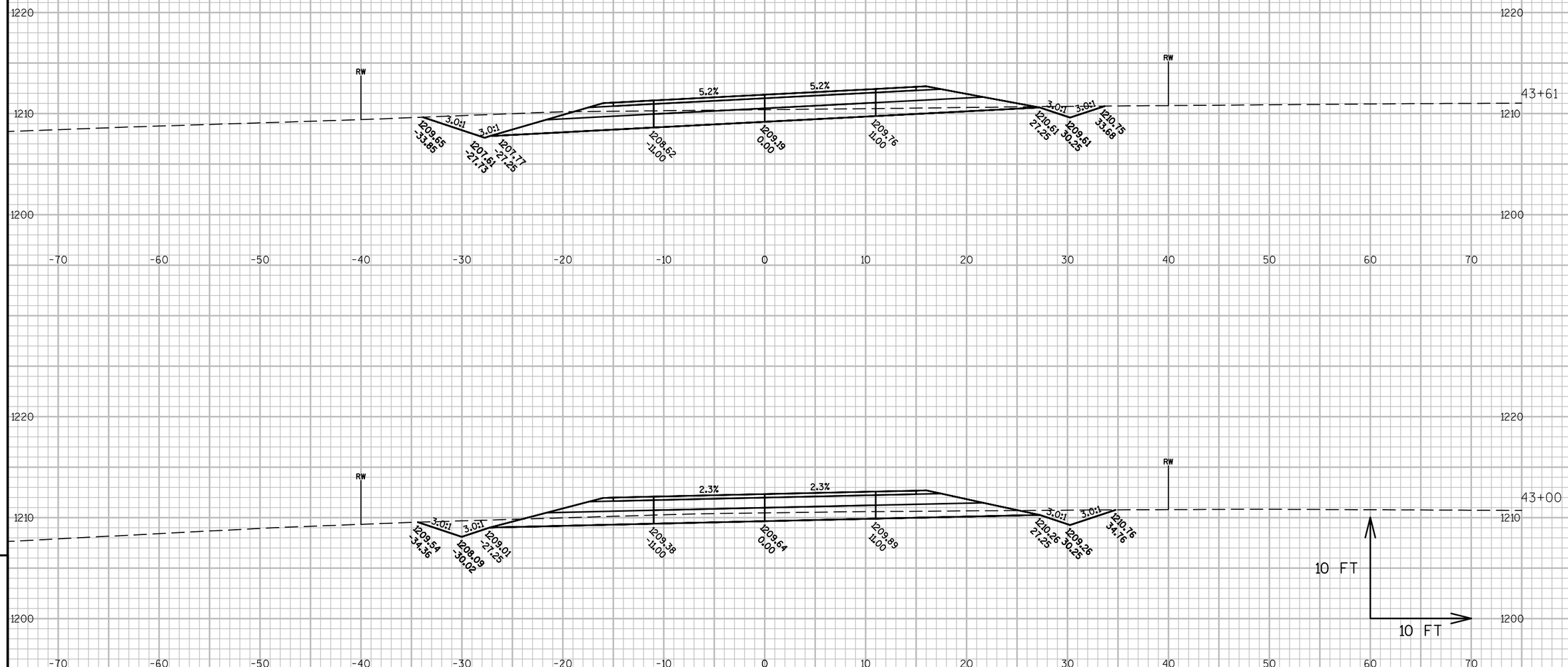
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 497	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090224_XS

PLOT DATE : 10/13/2015 12:49 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

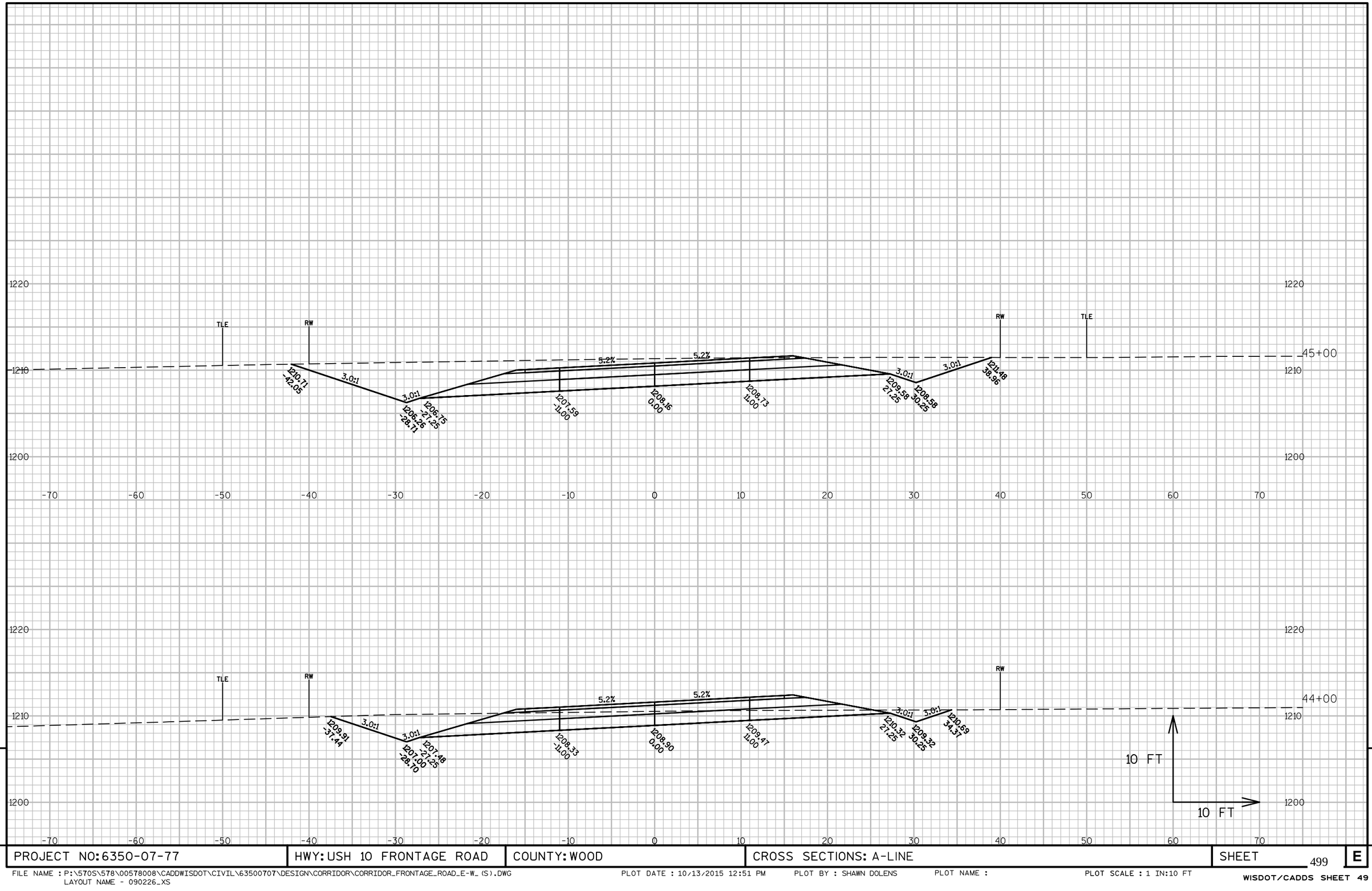
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 498	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090225_XS

PLOT DATE : 10/13/2015 12:50 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

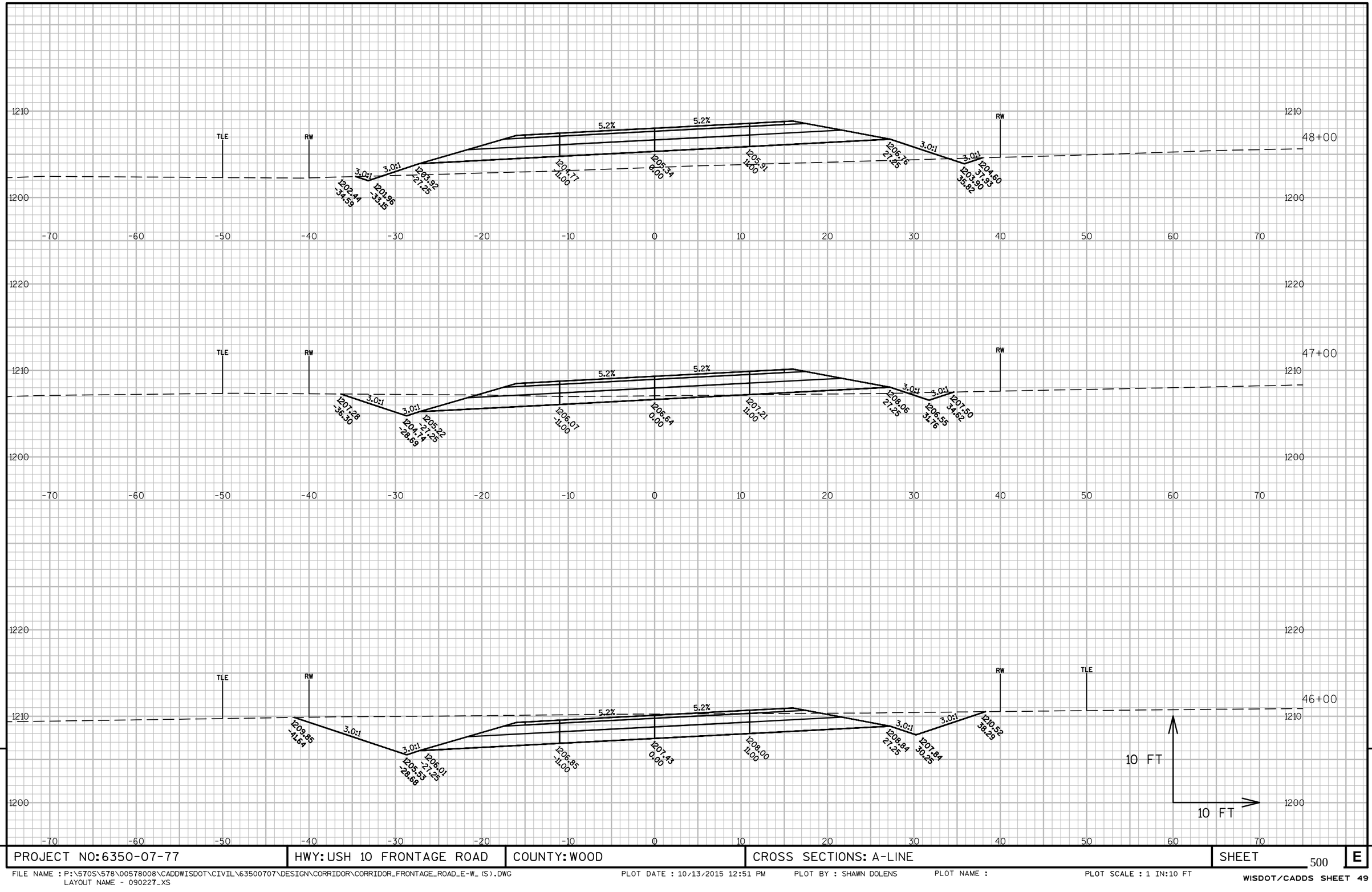
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 499	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090226_XS

PLOT DATE : 10/13/2015 12:51 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

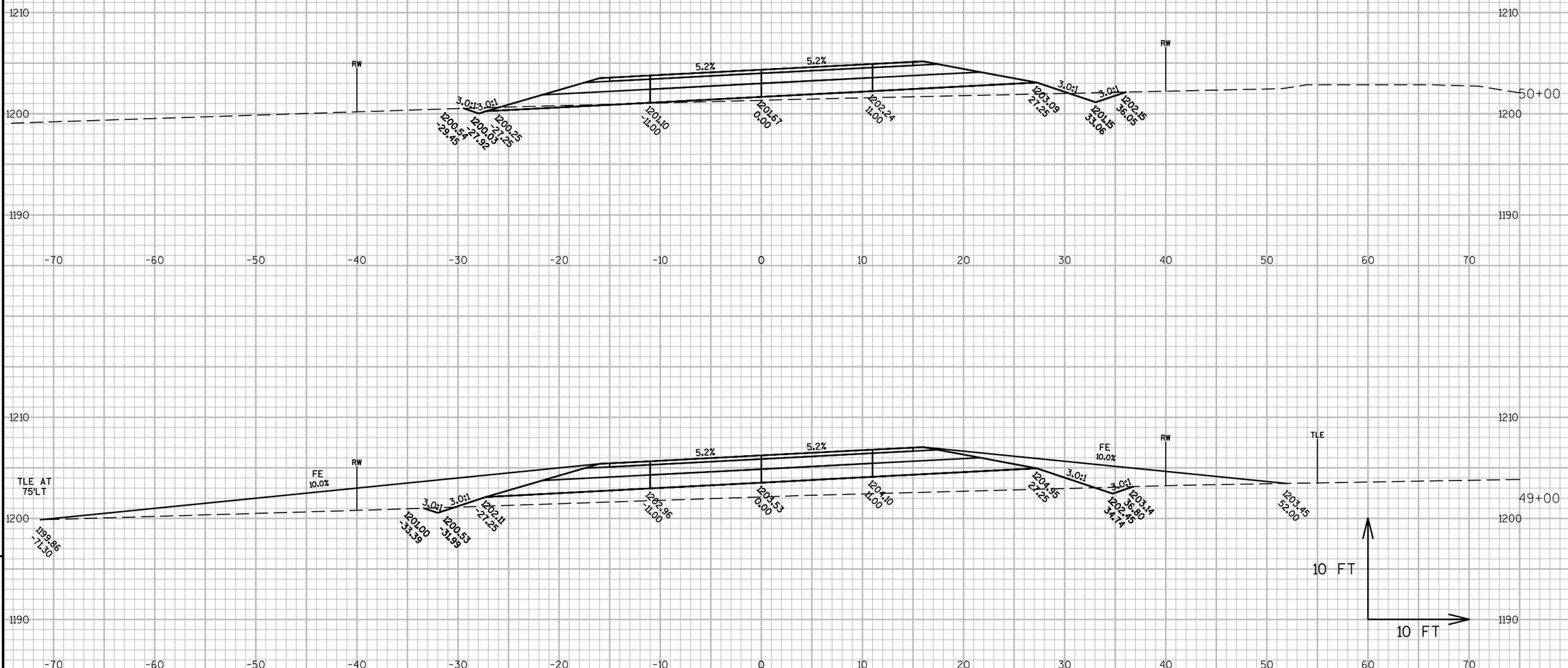


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 500 E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090227_XS

PLOT DATE : 10/13/2015 12:51 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

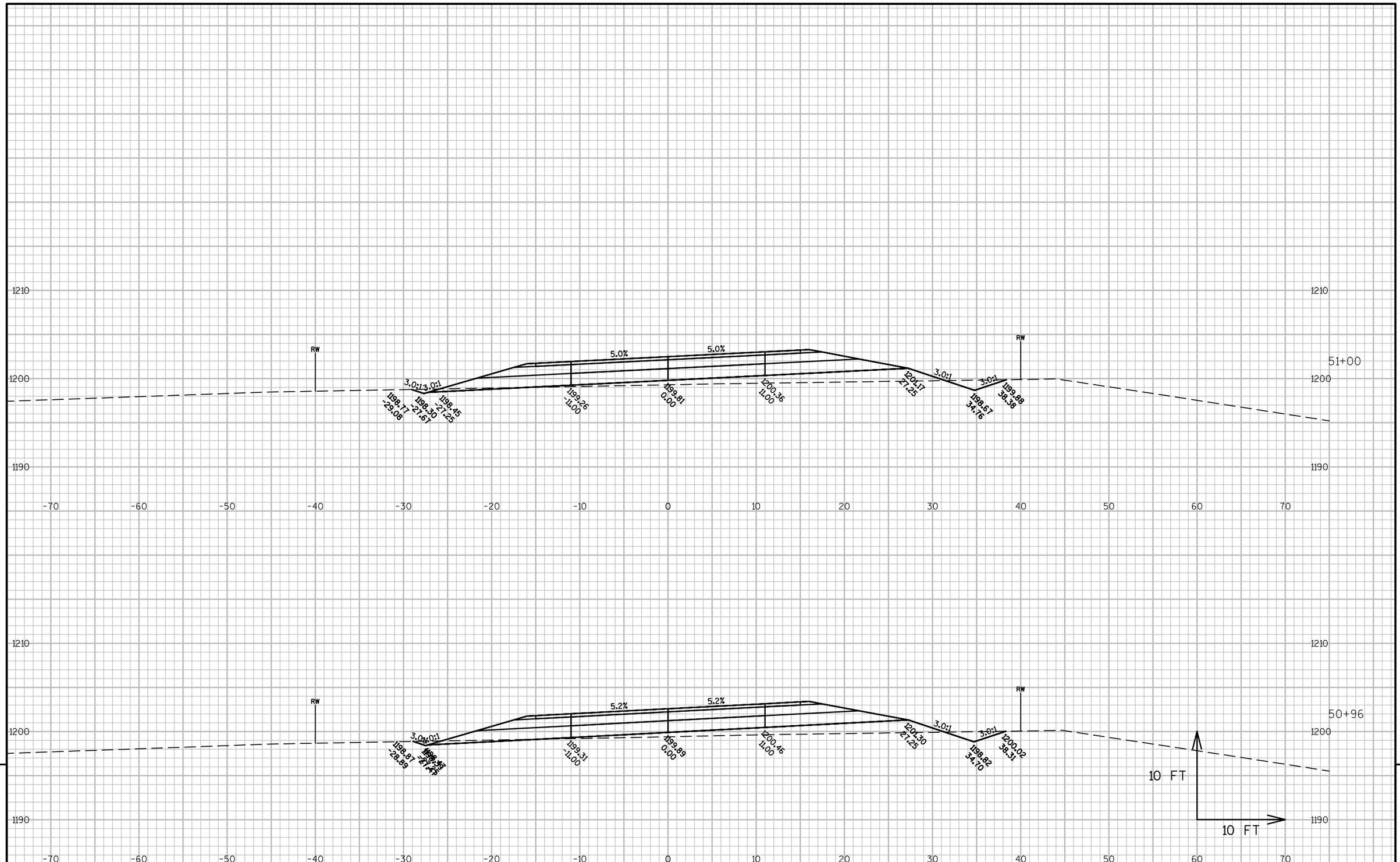


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 501	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090228_XS

PLOT DATE : 10/13/2015 12:52 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

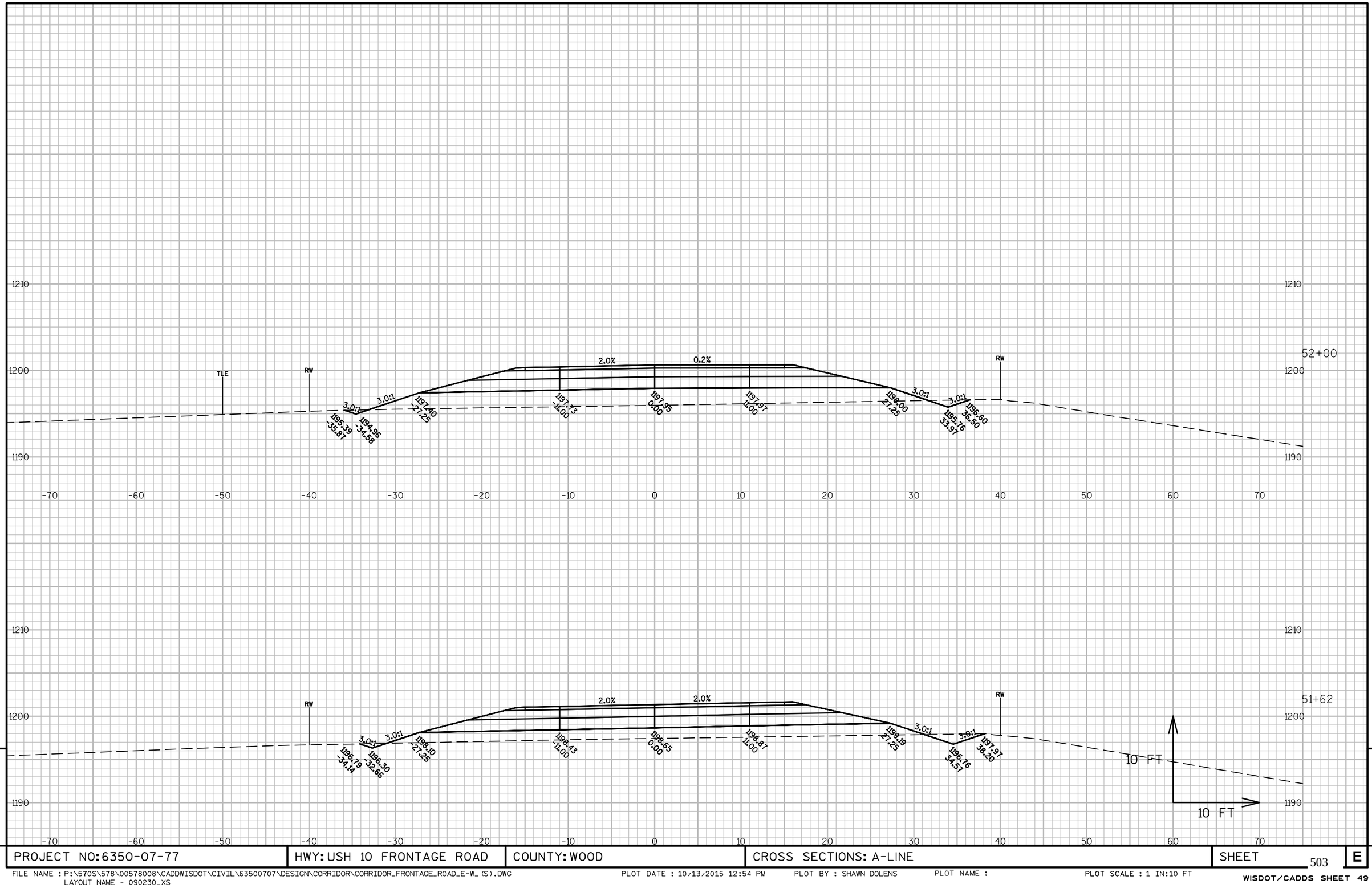
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 502	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090229_XS

PLOT DATE : 10/13/2015 12:53 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

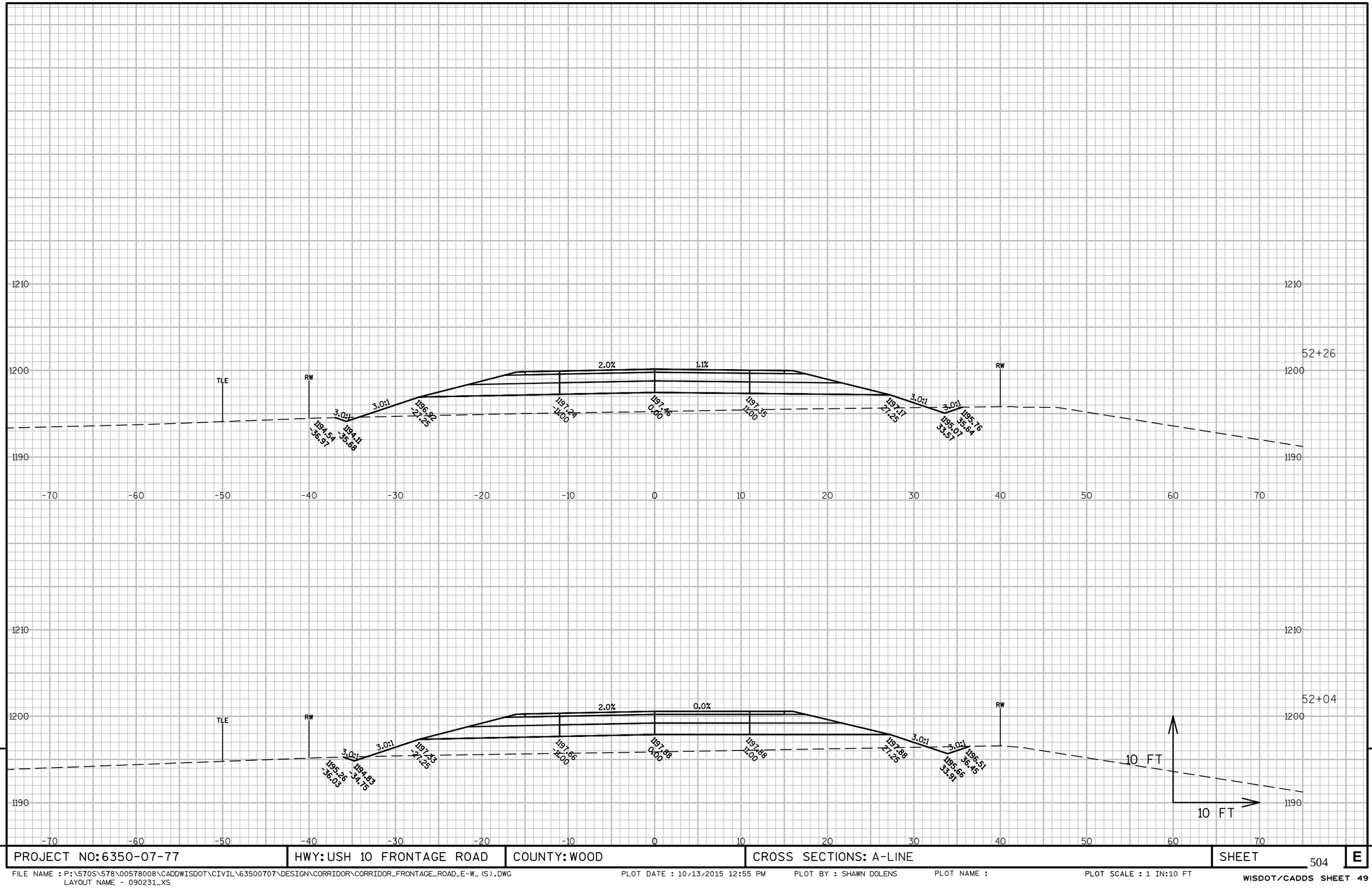
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 503	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090230_XS

PLOT DATE : 10/13/2015 12:54 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

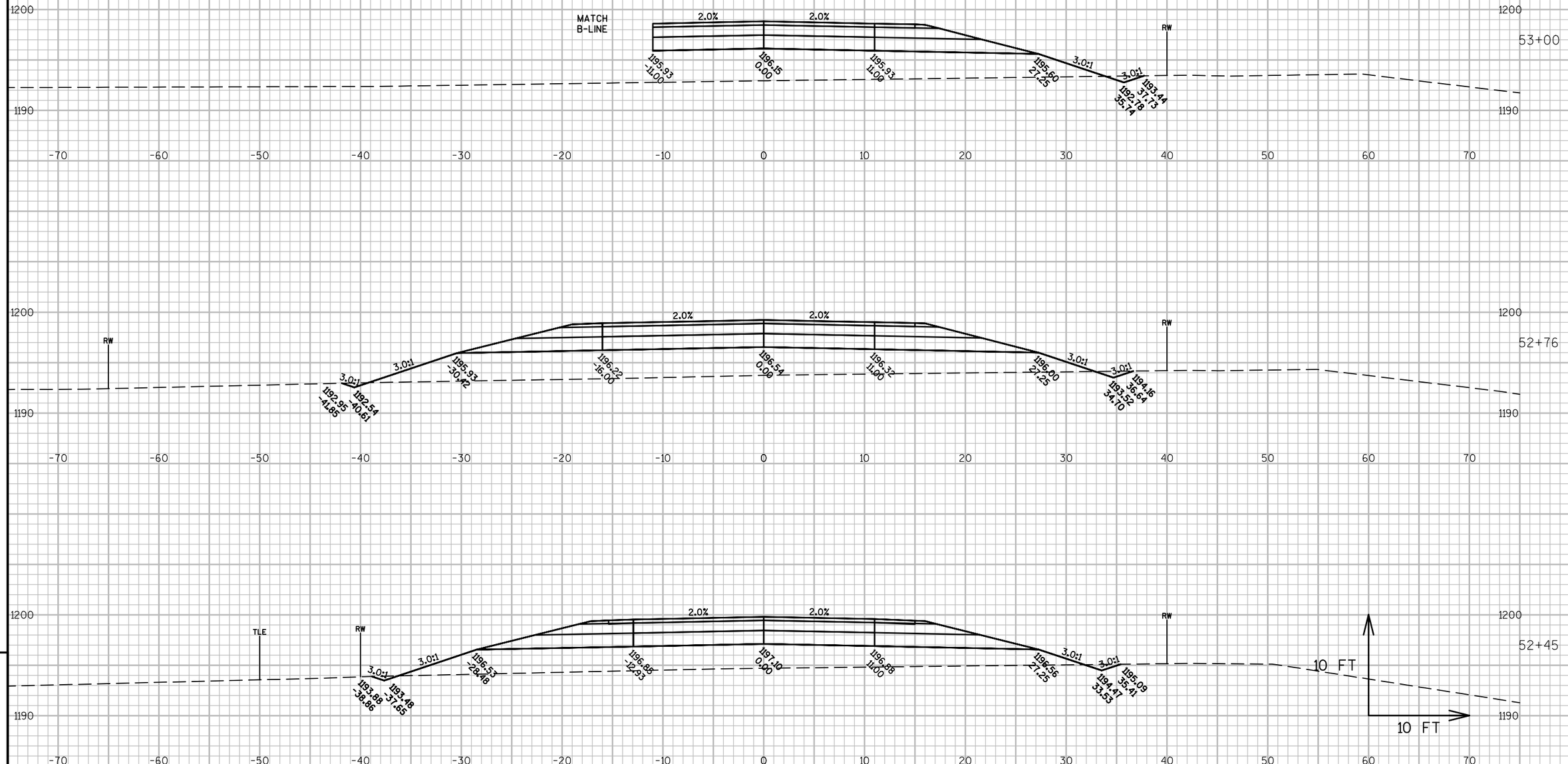


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 504	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090231_XS

PLOT DATE : 10/13/2015 12:55 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

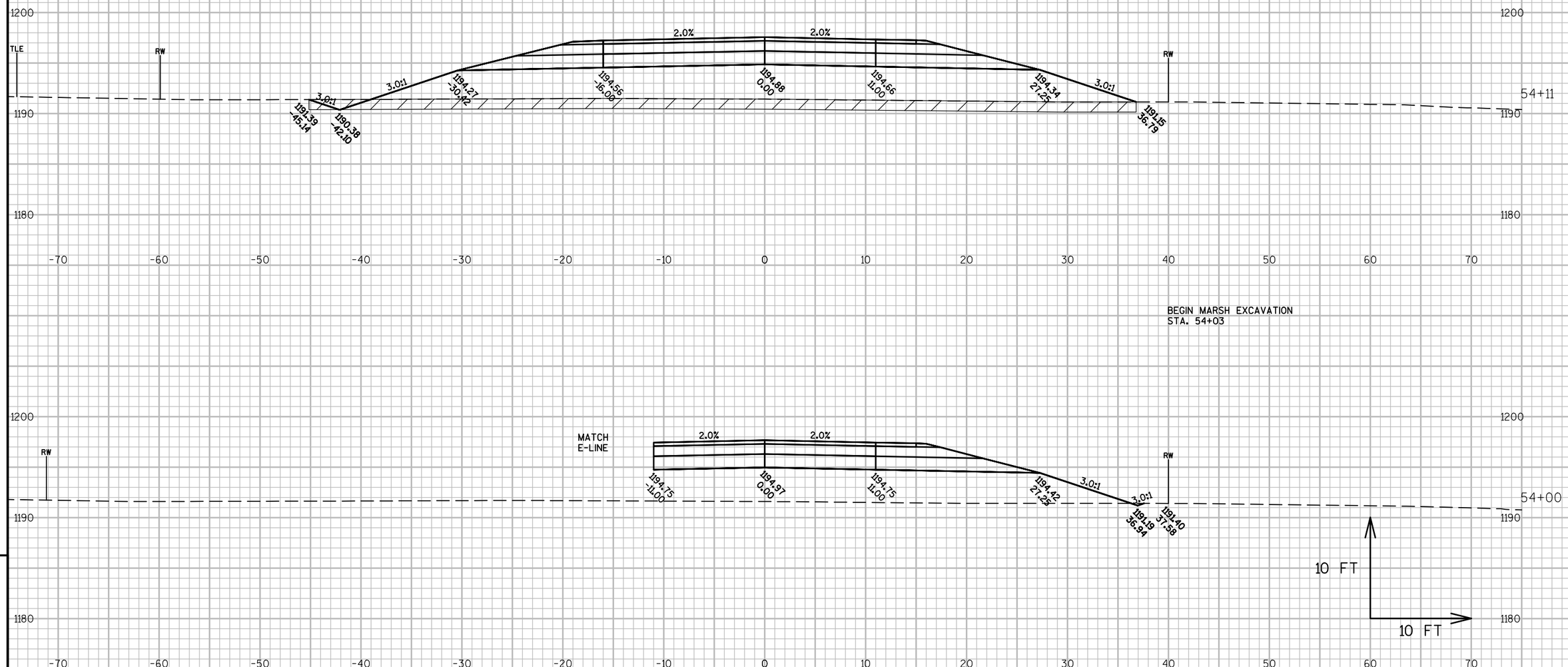
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 505	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090232_XS

PLOT DATE : 10/22/2015 12:41 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

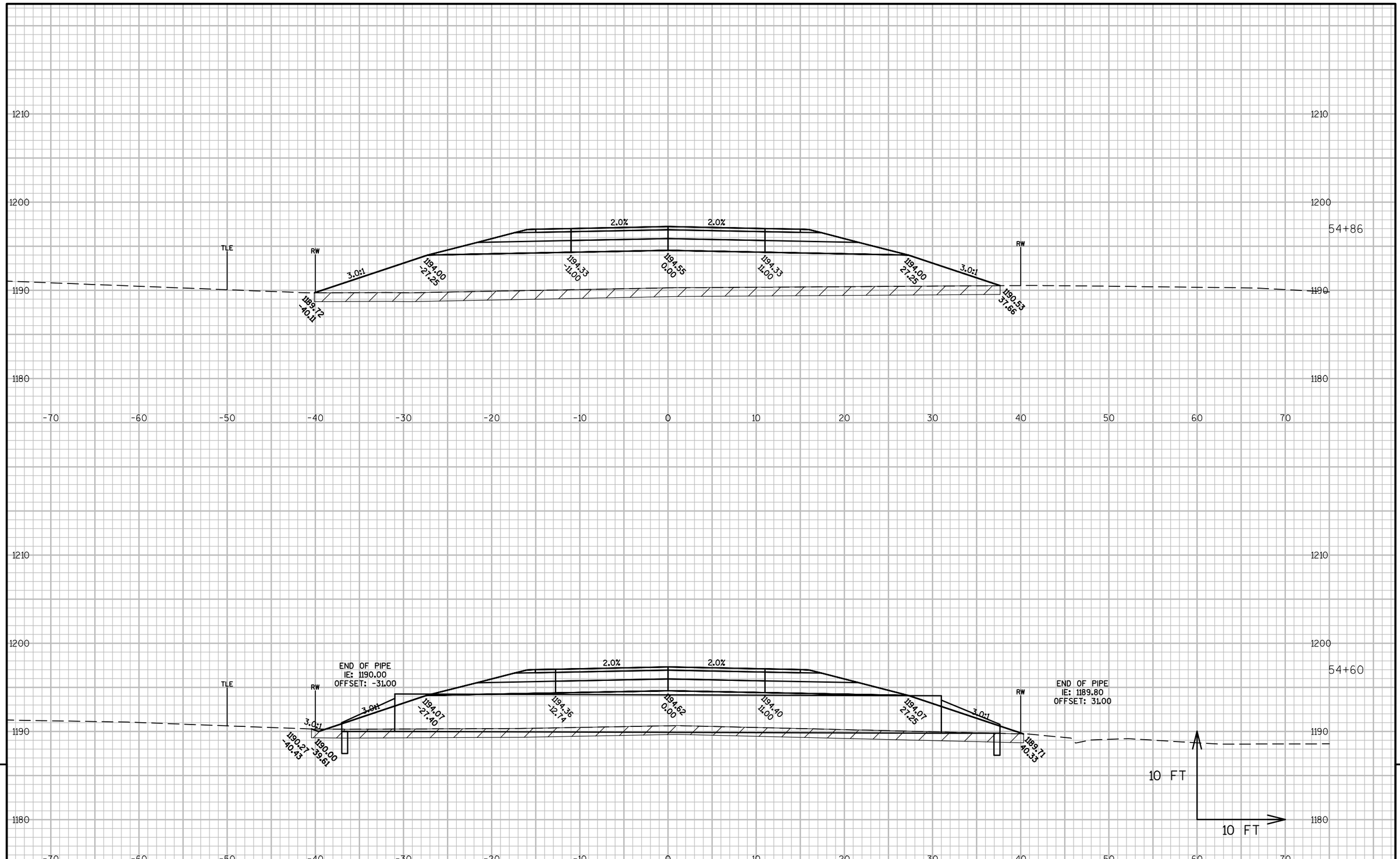
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 506	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090233_XS

PLOT DATE : 10/22/2015 12:42 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



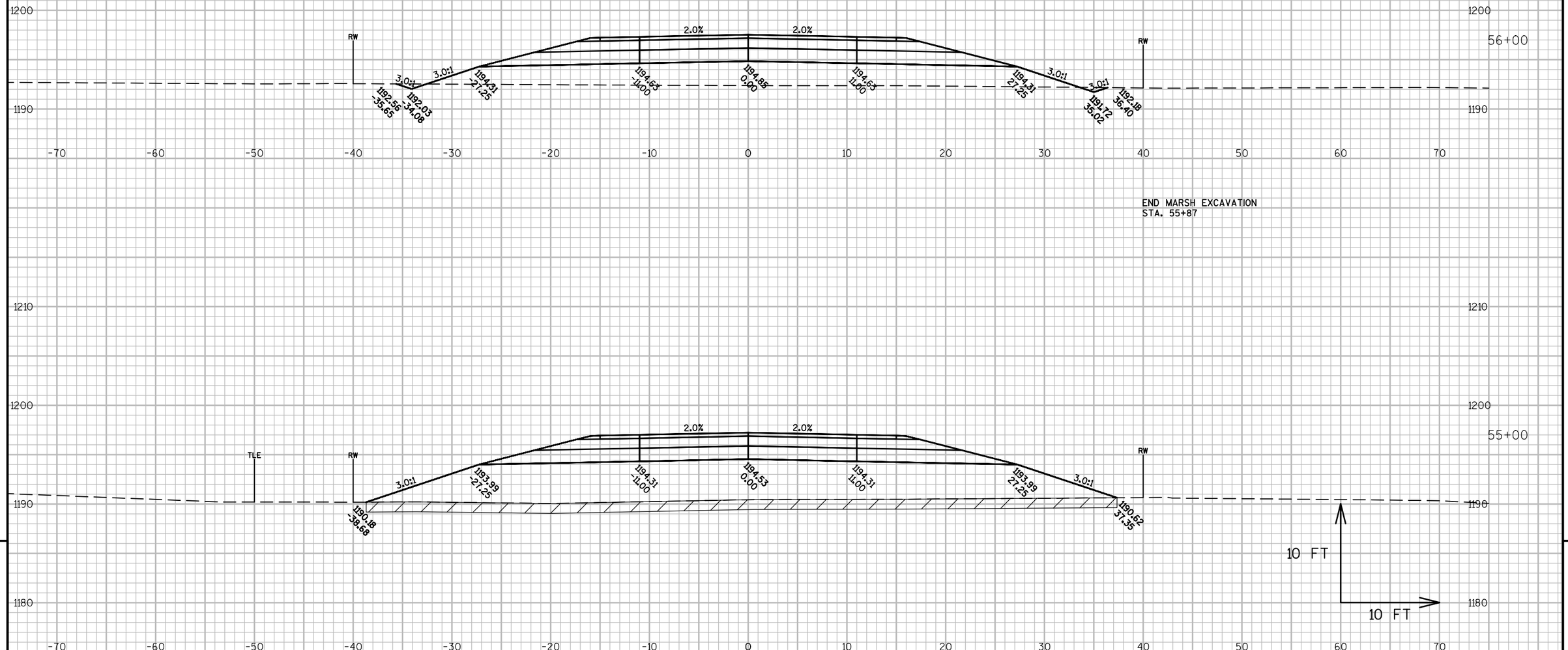
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 507	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090234_XS

PLOT DATE : 10/13/2015 12:57 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



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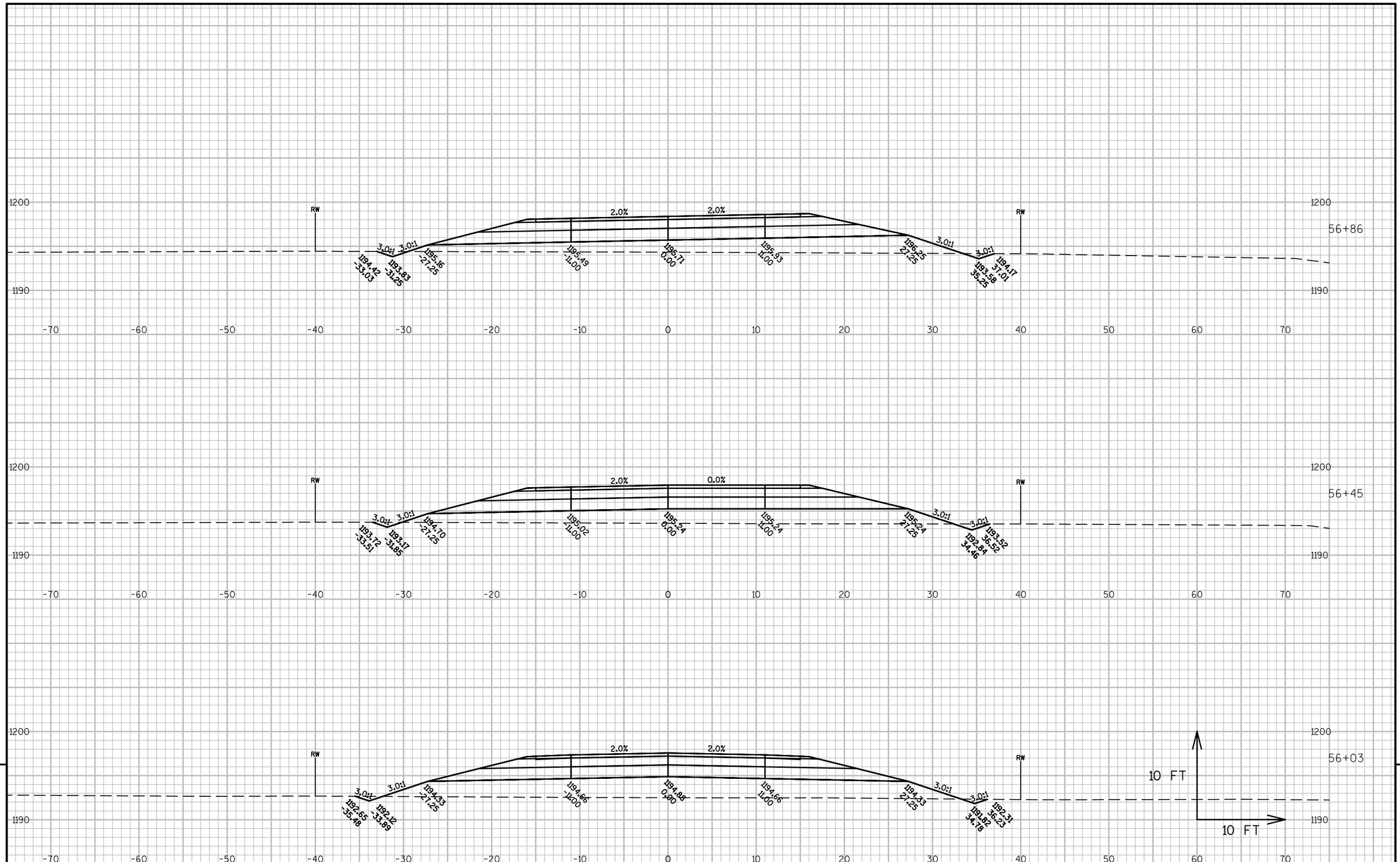
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 508	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090235_XS

PLOT DATE : 10/13/2015 12:58 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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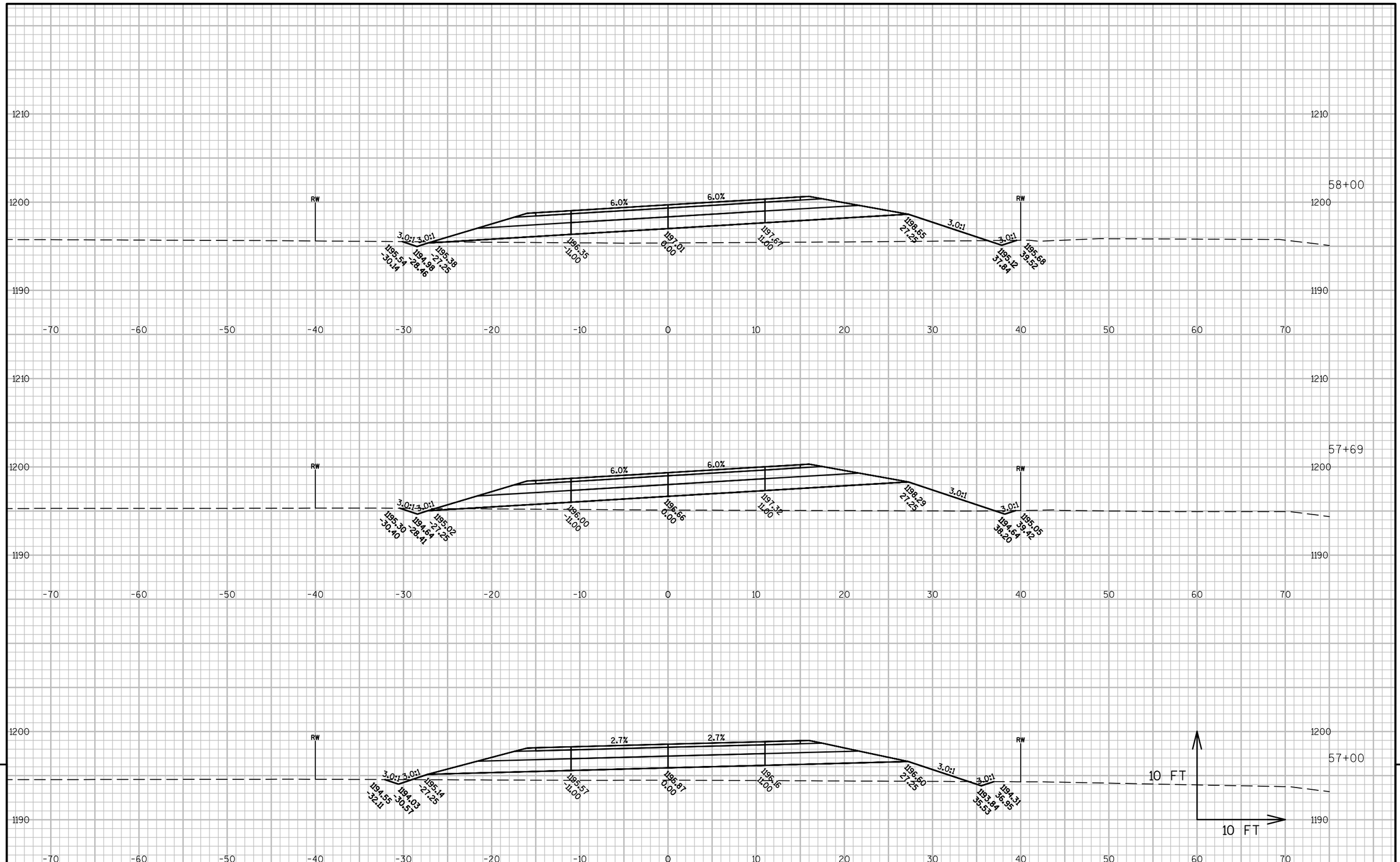
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 509	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090236_XS

PLOT DATE : 10/13/2015 12:59 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



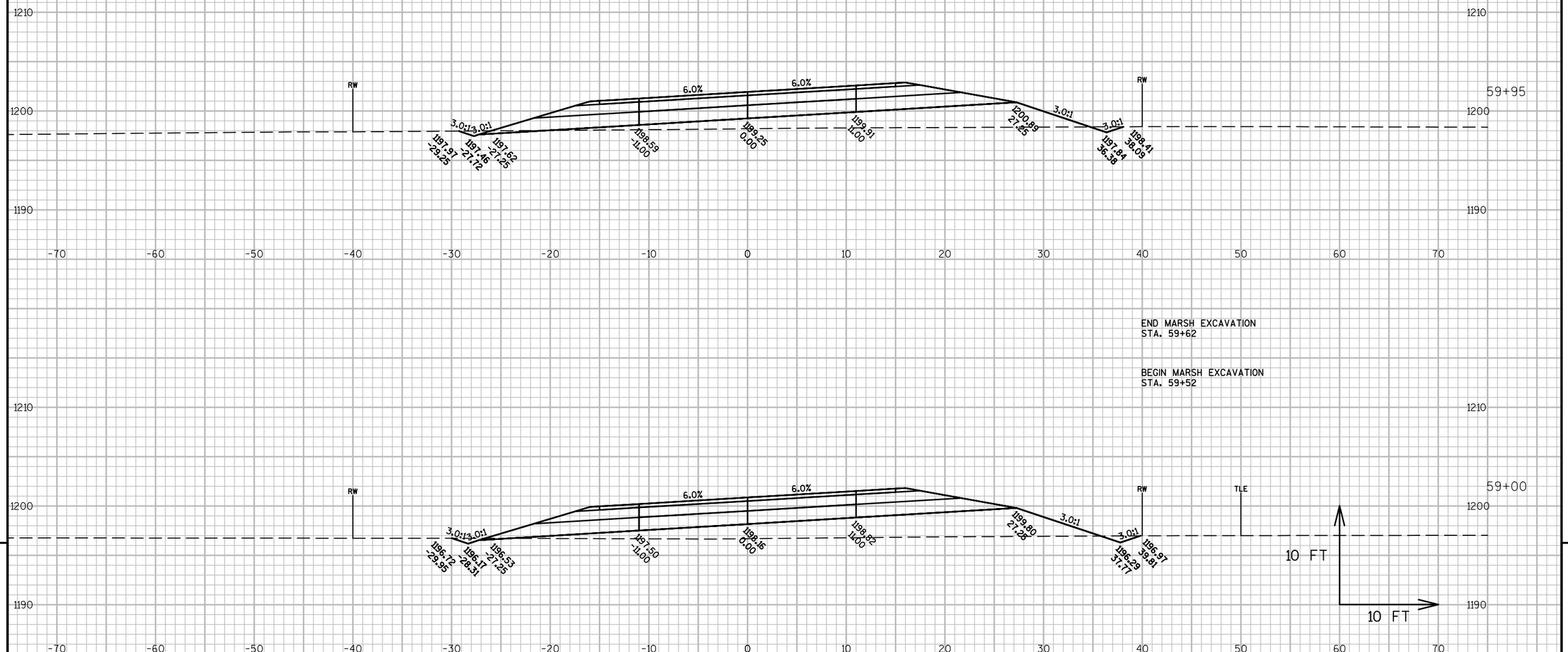
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 510	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090237_XS

PLOT DATE : 10/13/2015 1:00 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

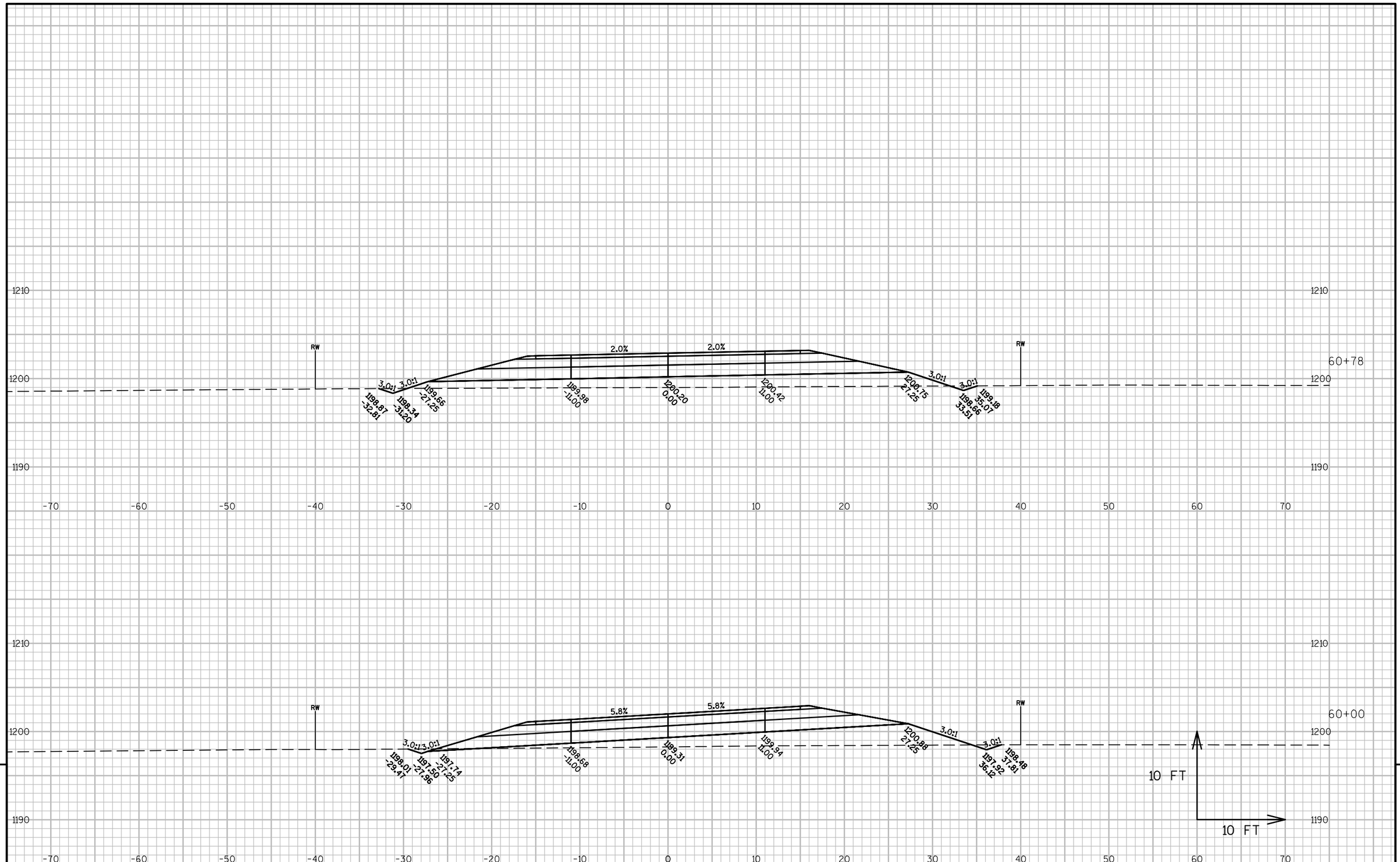


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9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 511	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090238_XS
PLOT DATE : 10/13/2015 1:01 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

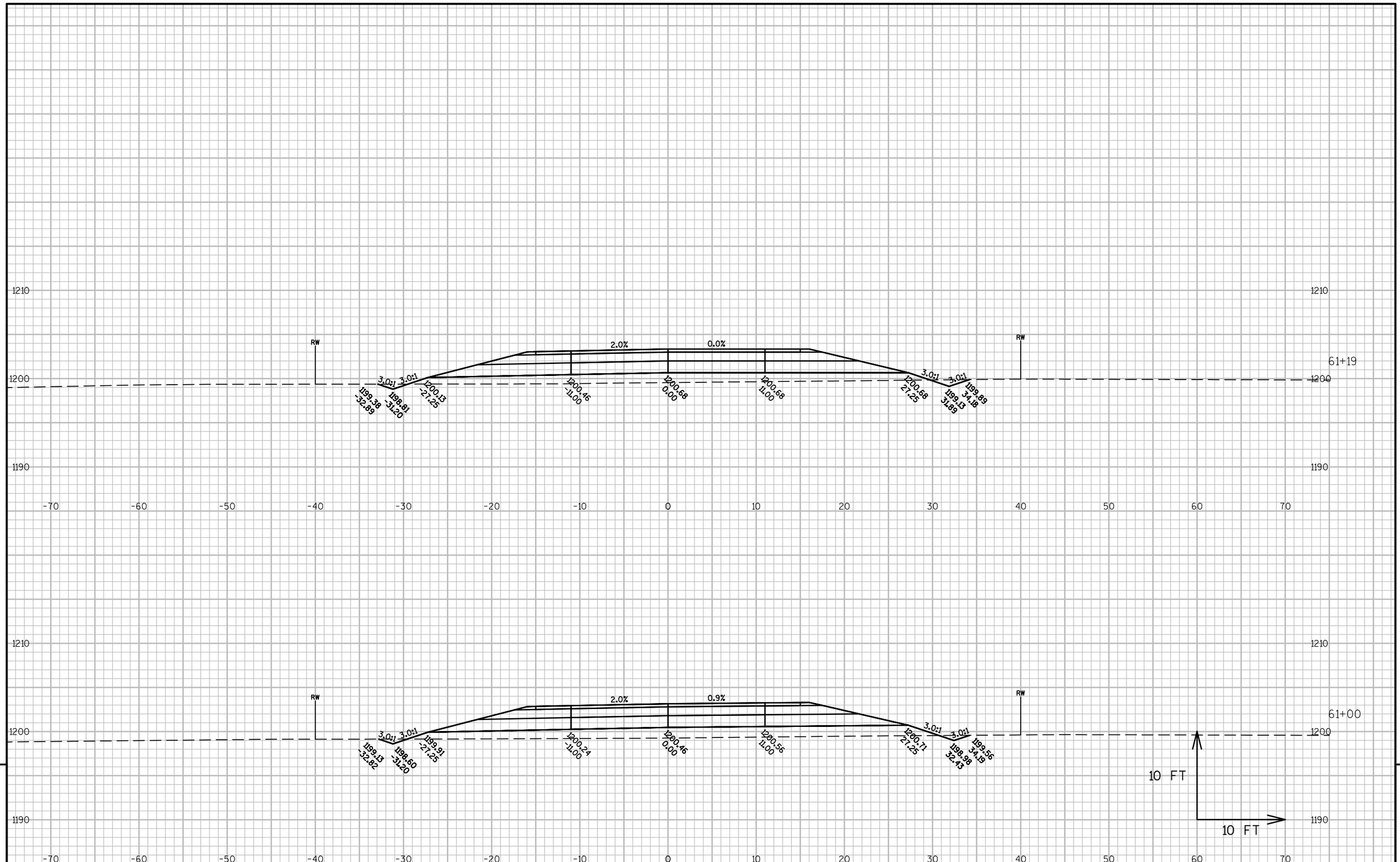


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 512	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090239_XS

PLOT DATE : 10/13/2015 1:02 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

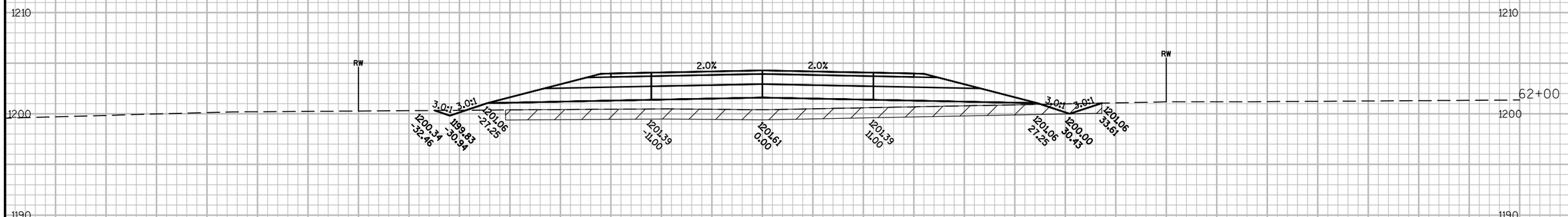
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 513	E

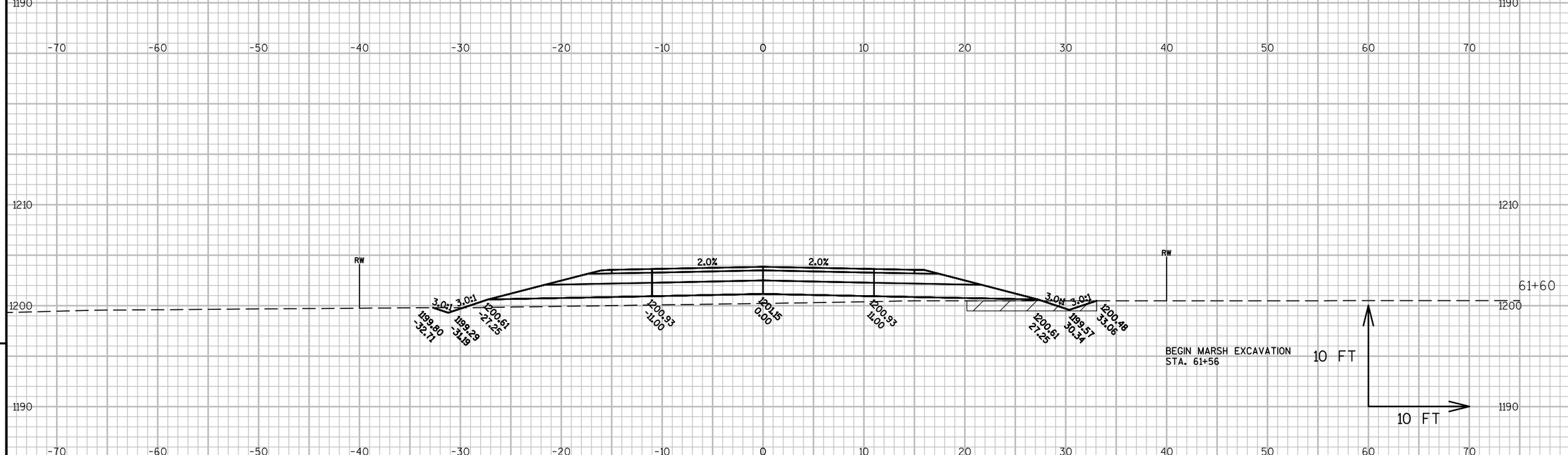
FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090240_XS

PLOT DATE : 10/13/2015 1:02 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

END MARSH EXCAVATION
STA. 62+35





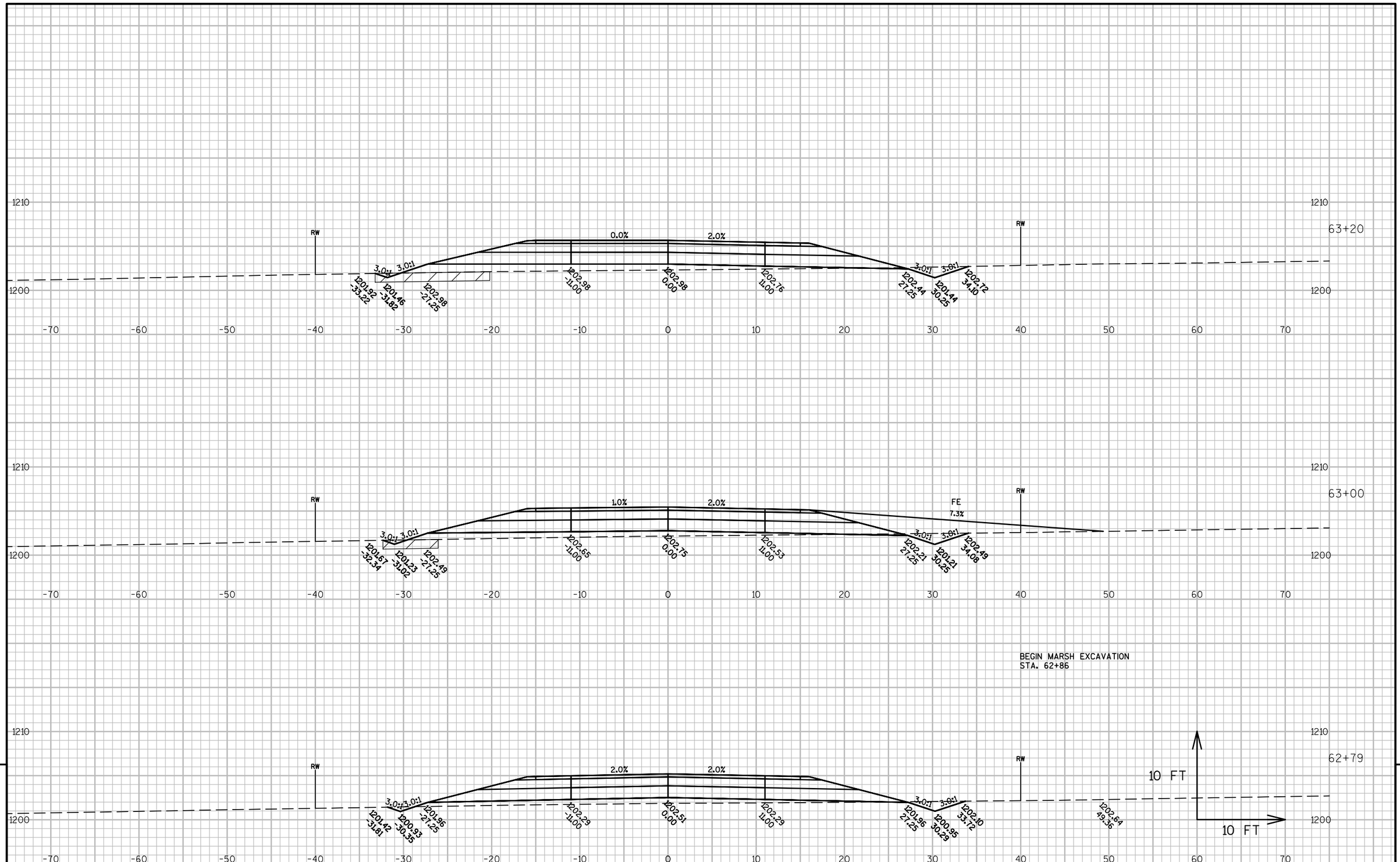
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9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 514	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090241_XS

PLOT DATE : 10/13/2015 1:03 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



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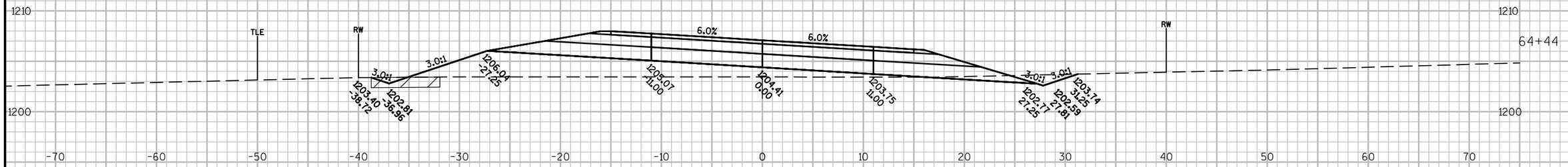
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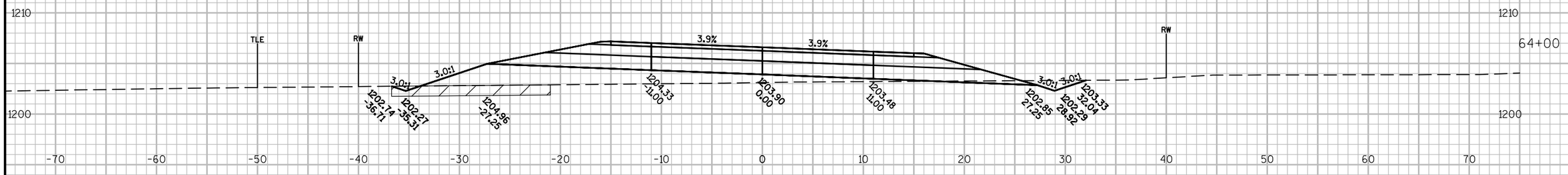
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 515	E

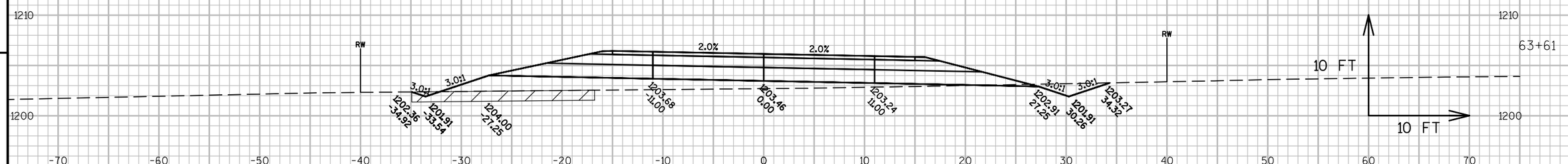
FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090242_XS

PLOT DATE : 10/13/2015 1:04 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

END MARSH EXCAVATION
STA. 64+62







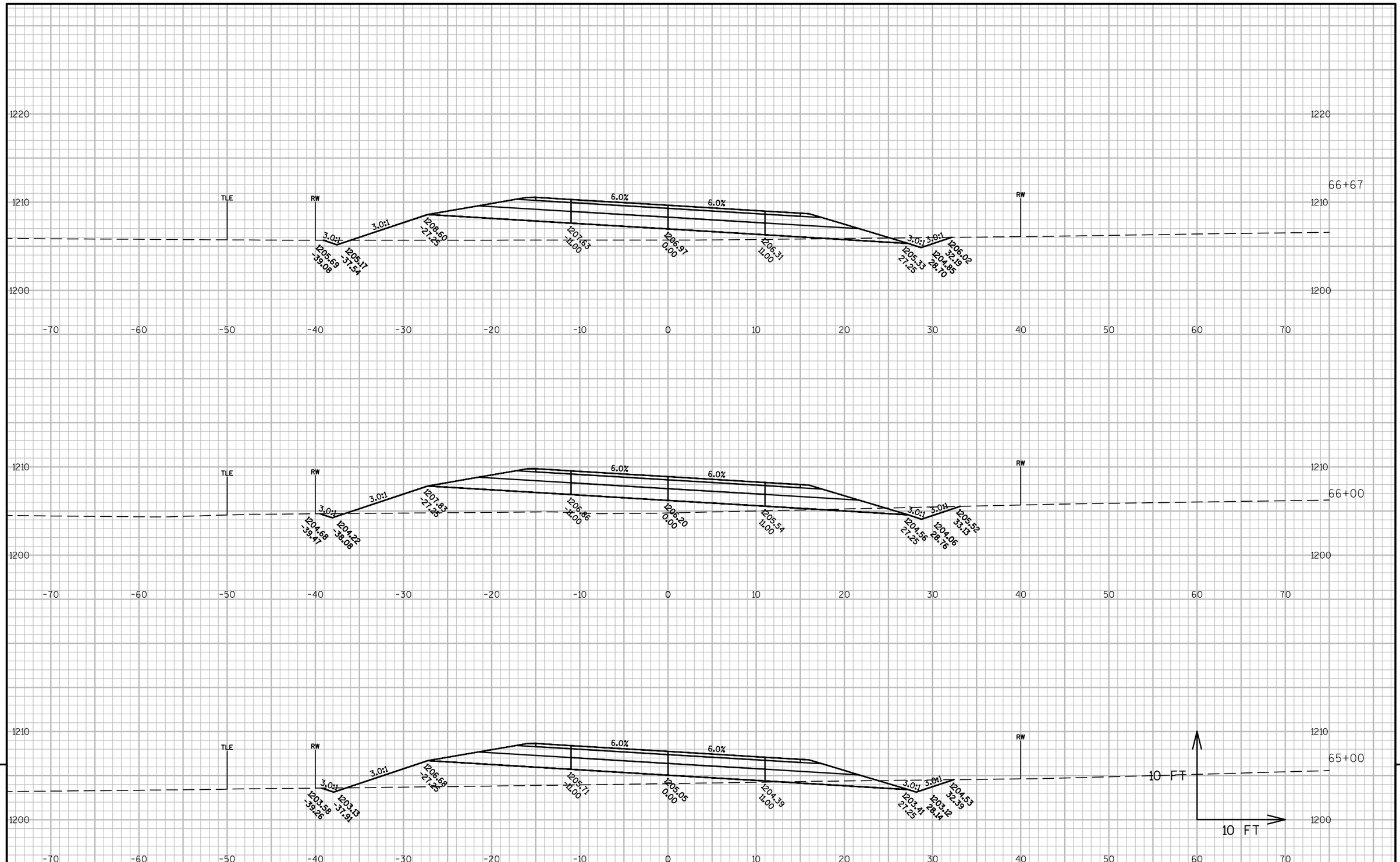
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9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 516	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090243_XS

PLOT DATE : 10/13/2015 1:05 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

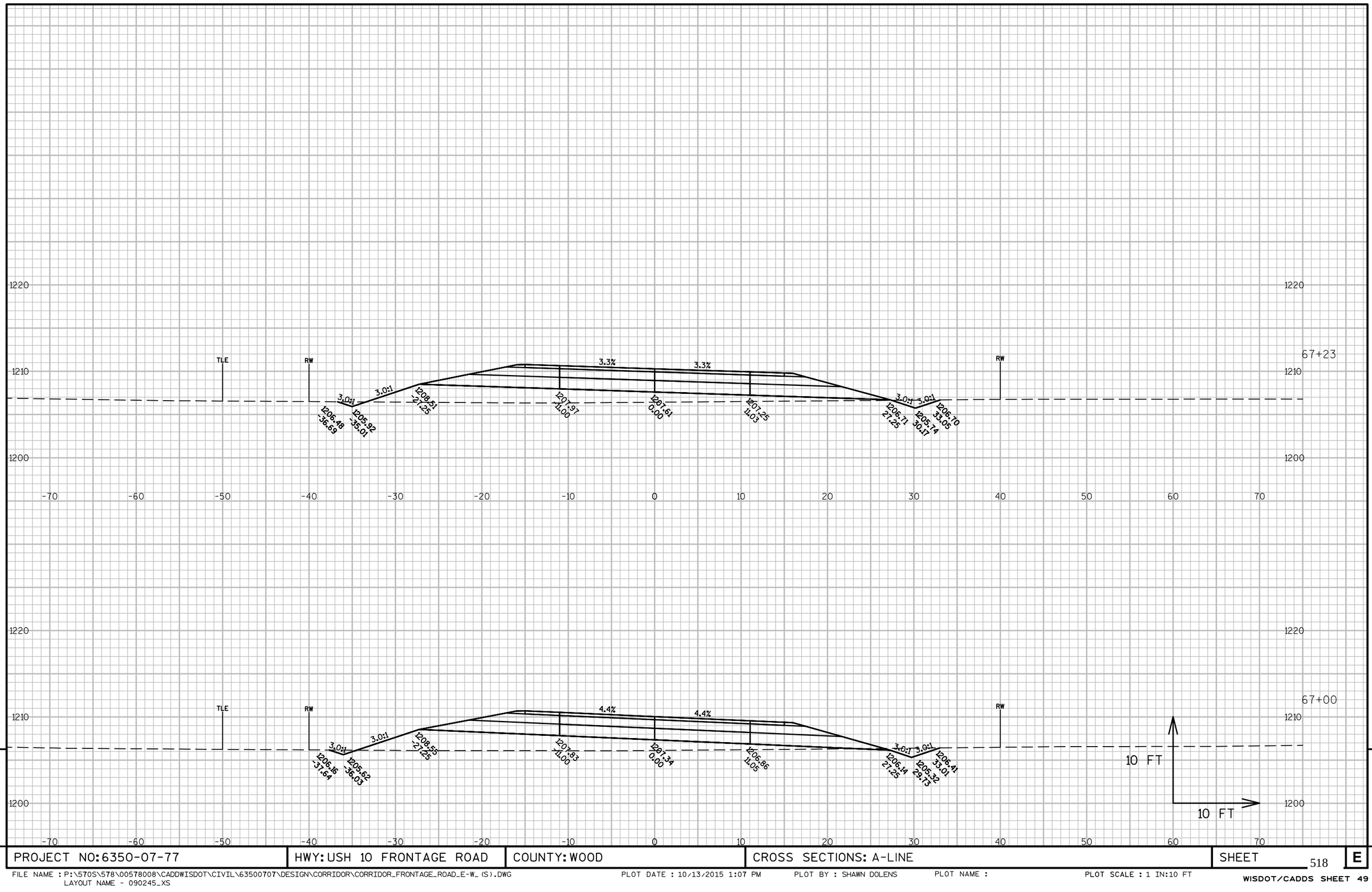
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 517	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090244_XS

PLOT DATE : 10/13/2015 1:06 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



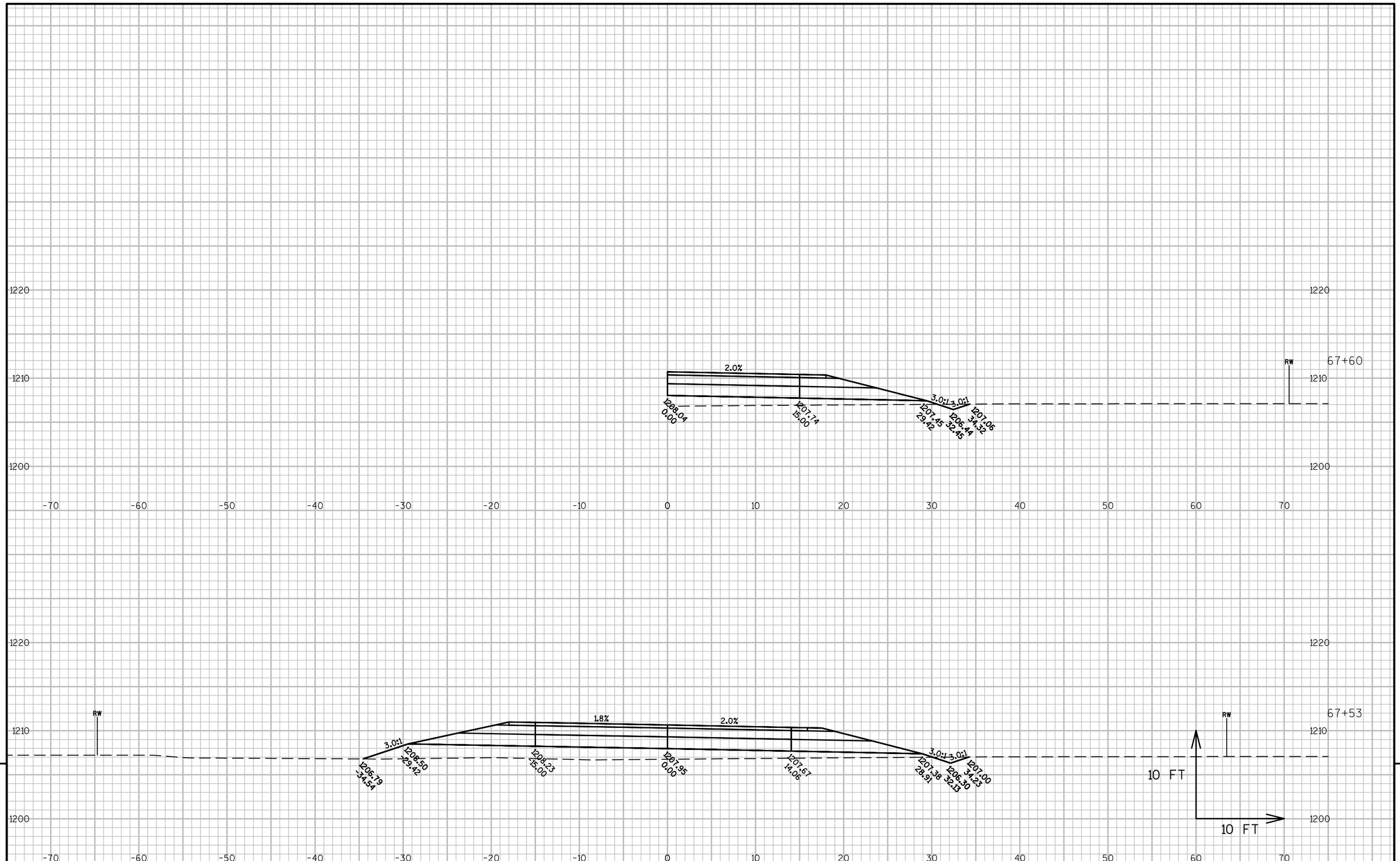
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 518	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090245_XS

PLOT DATE : 10/13/2015 1:07 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



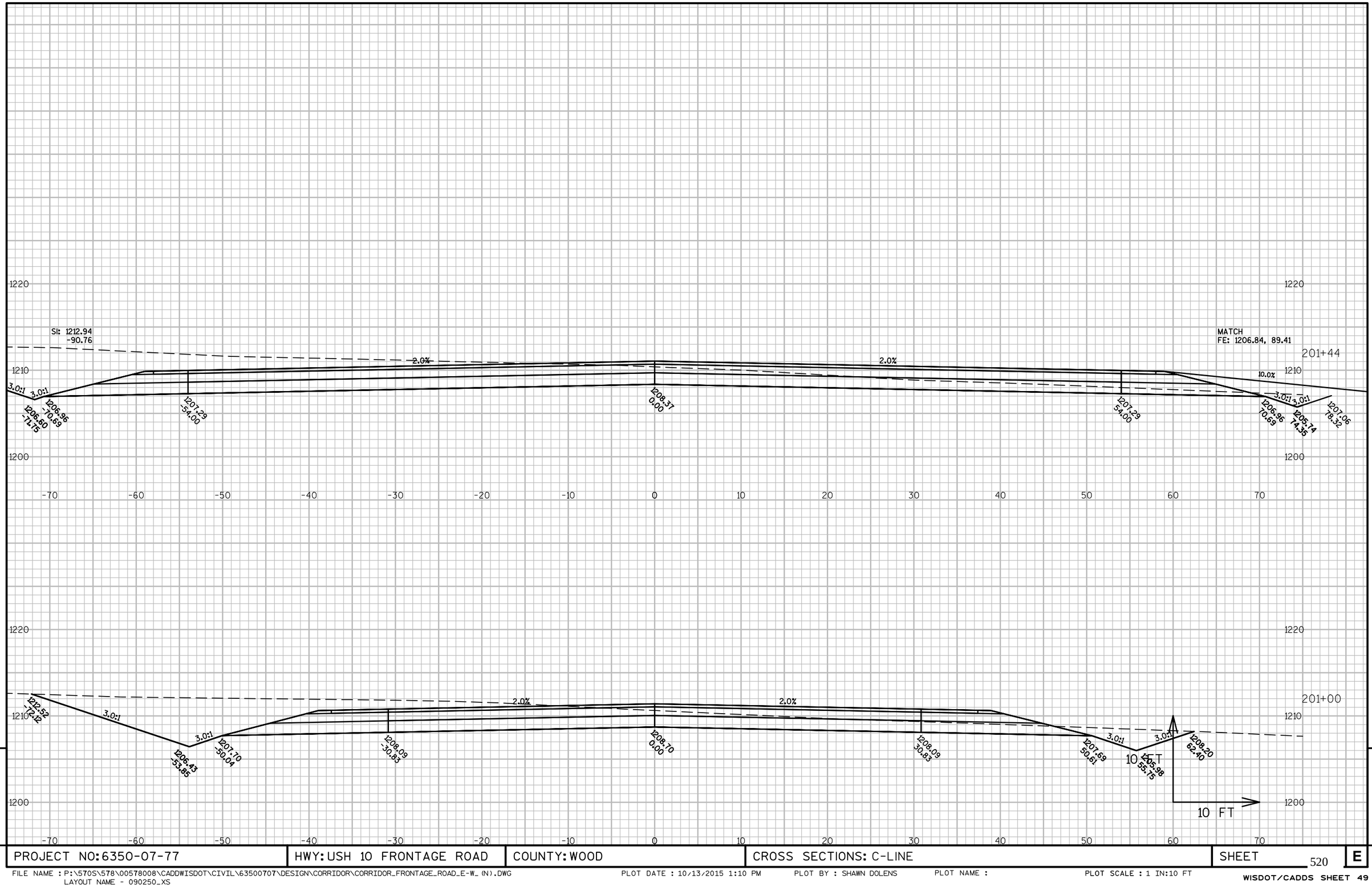
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: A-LINE	SHEET 519	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(S).DWG
LAYOUT NAME - 090246_XS

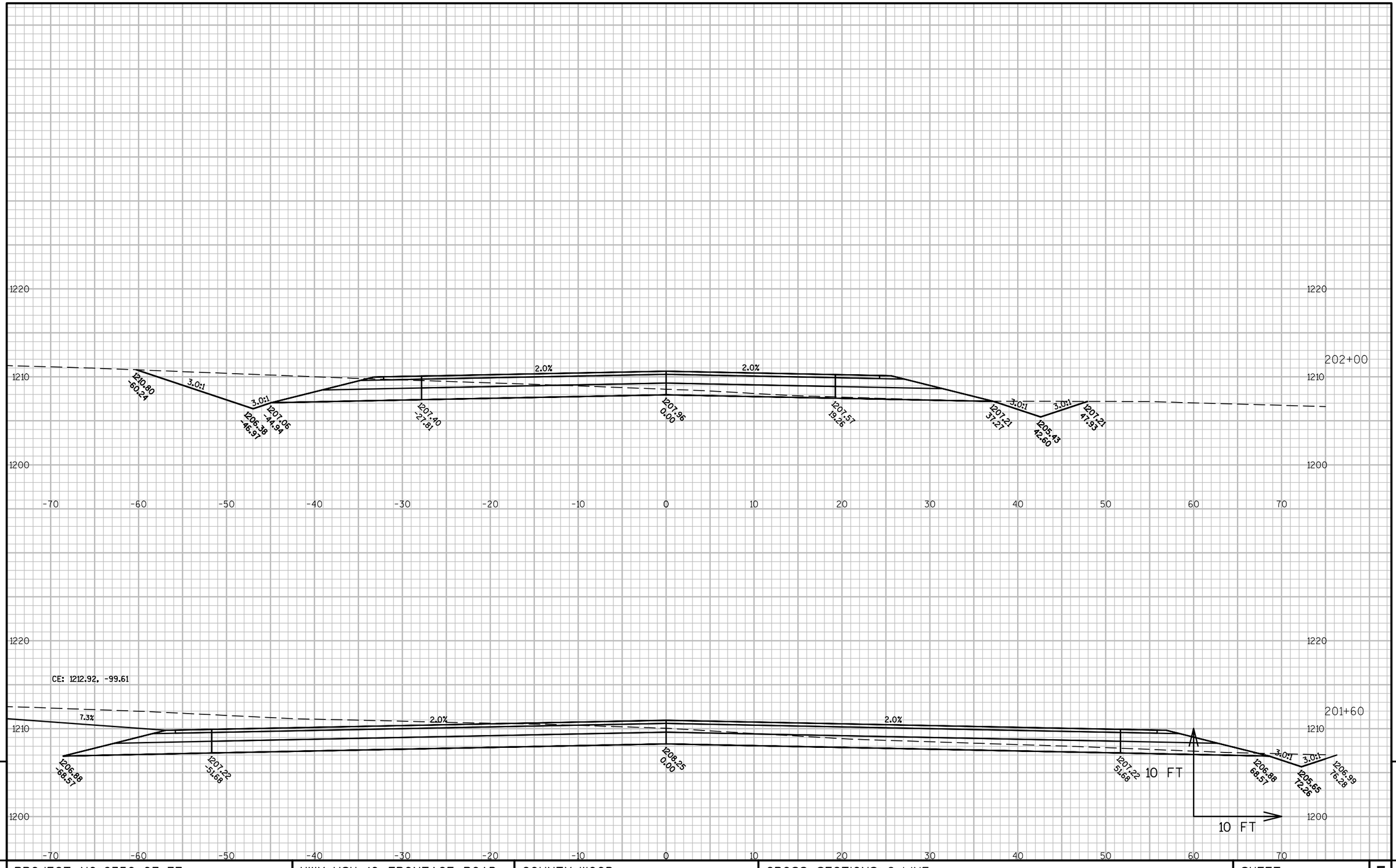
PLOT DATE : 10/13/2015 1:08 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: C-LINE	SHEET 520	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_ (N).DWG
LAYOUT NAME - 090250_XS

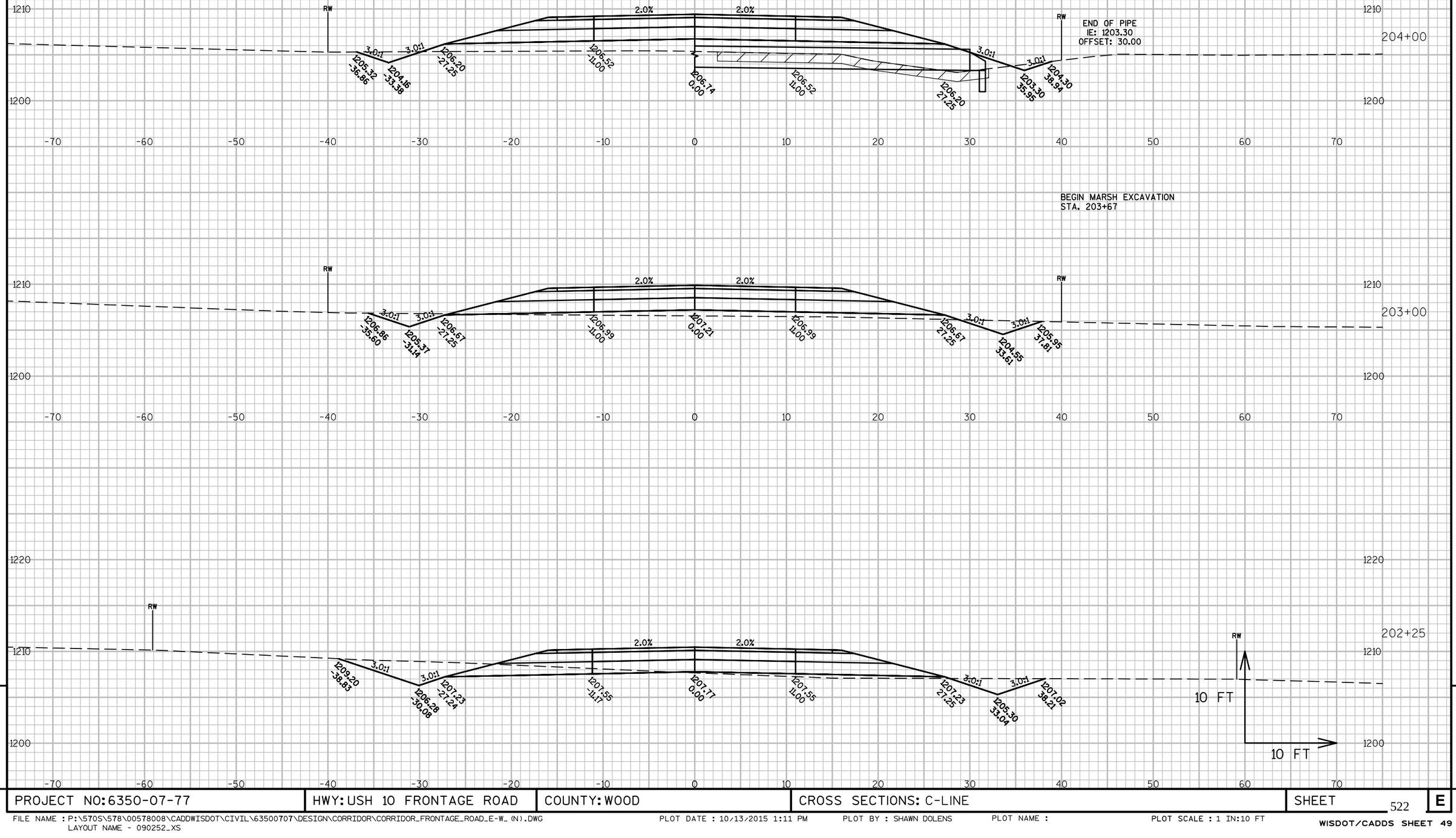
PLOT DATE : 10/13/2015 1:10 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: C-LINE	SHEET 521	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(N).DWG
LAYOUT NAME - 090251_XS

PLOT DATE : 10/13/2015 1:11 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



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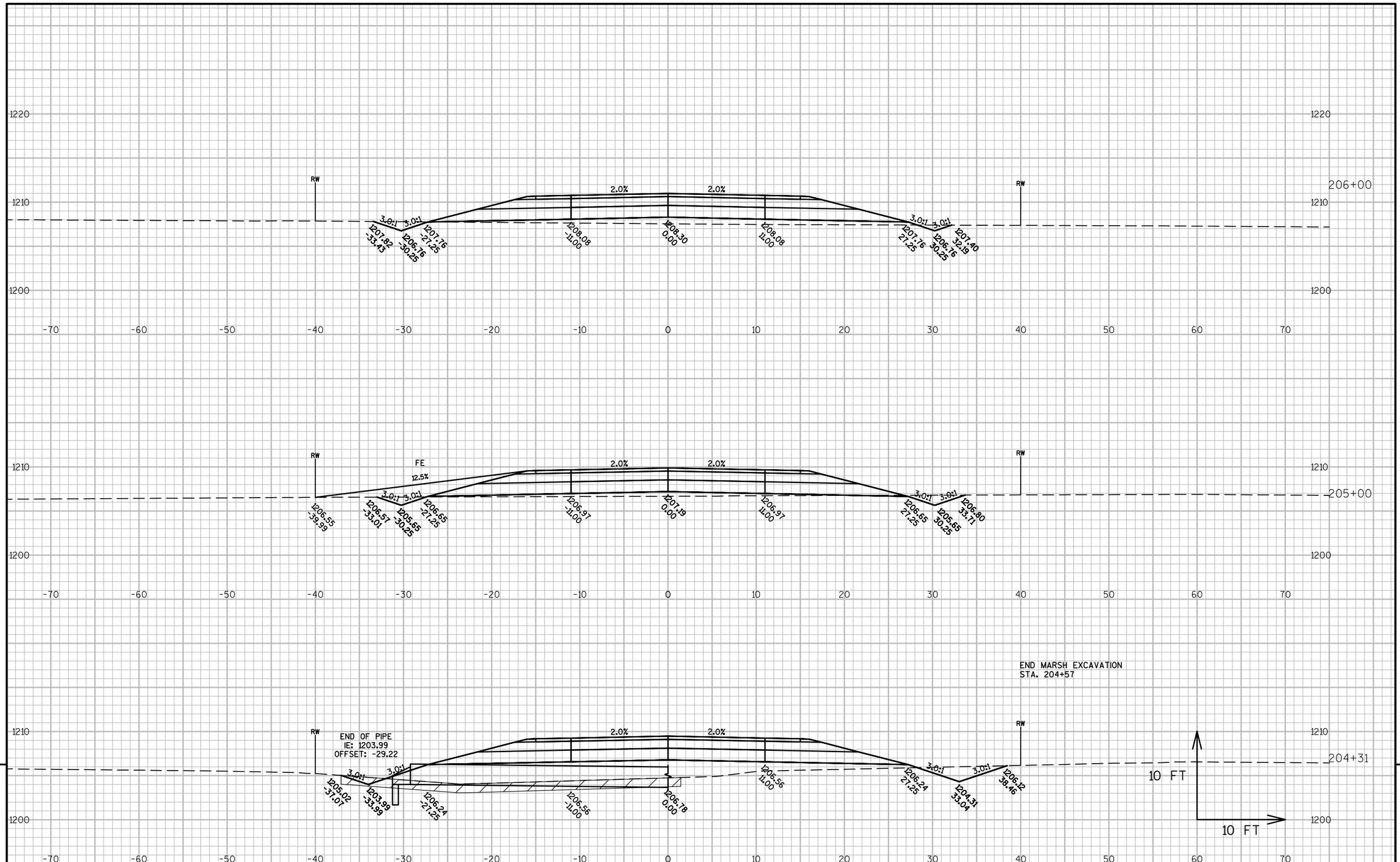
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: C-LINE	SHEET 522	E

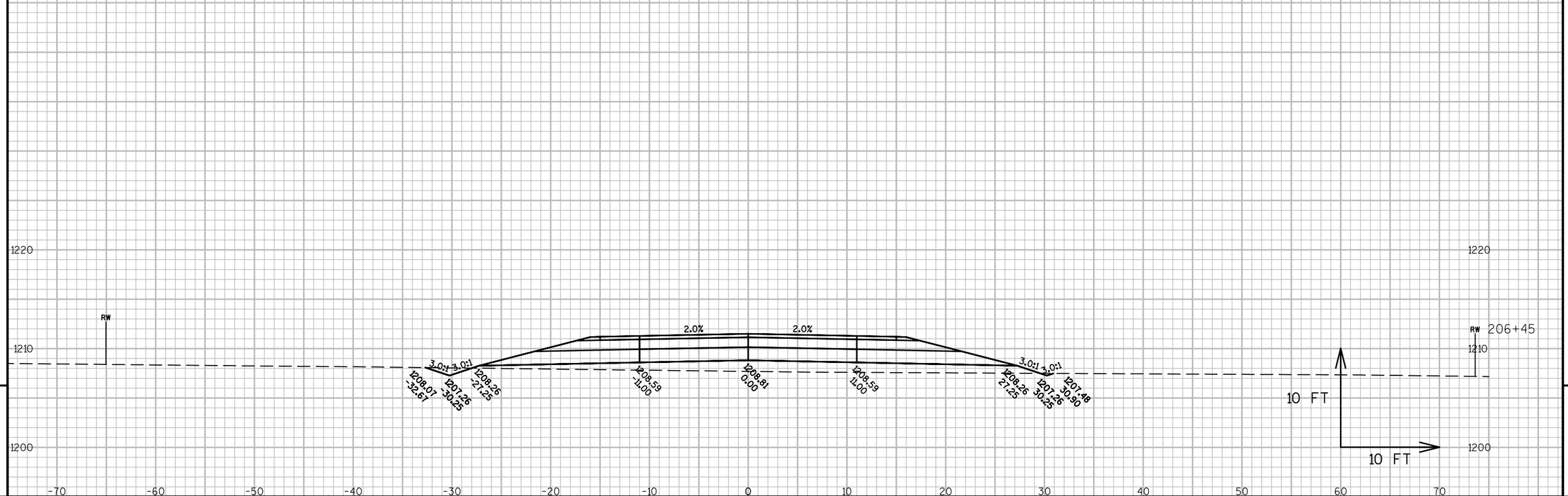
FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_(N).DWG
LAYOUT NAME - 090252_XS

PLOT DATE : 10/13/2015 1:11 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



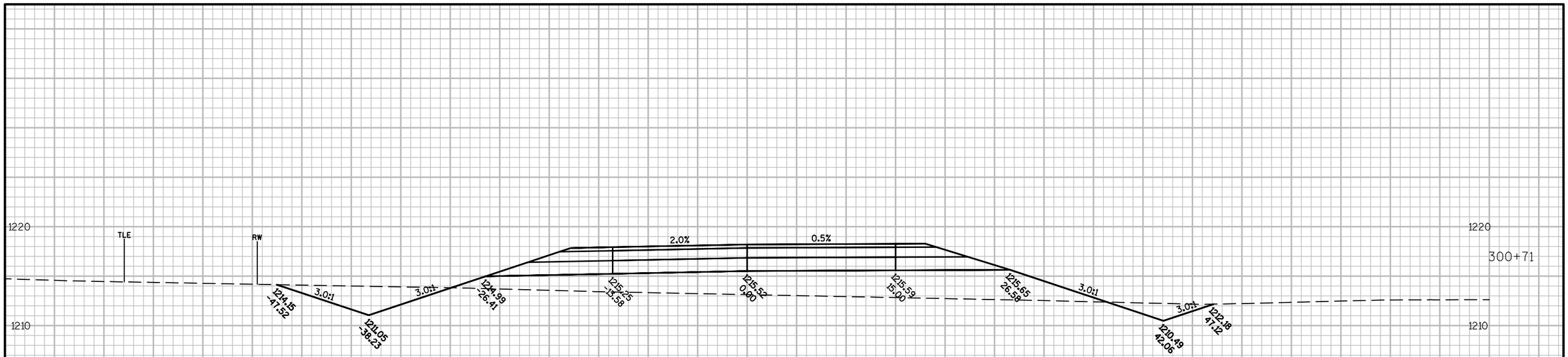
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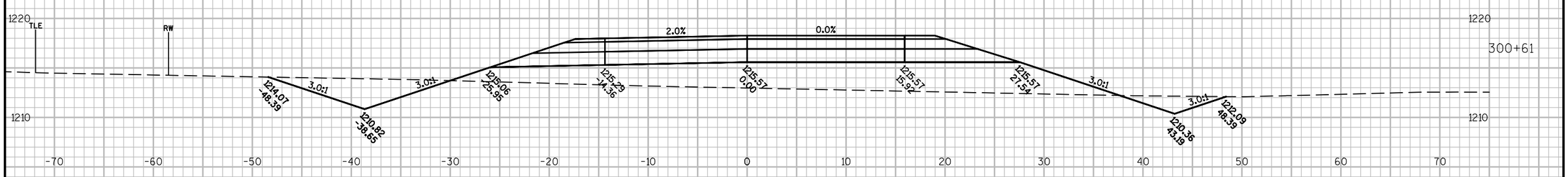


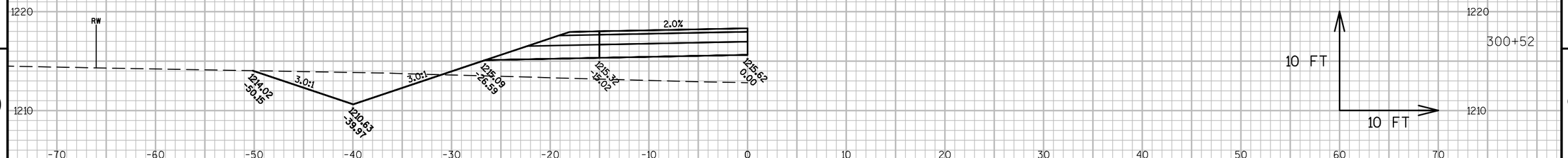
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: C-LINE	SHEET 524	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_E-W_ (N).DWG
LAYOUT NAME - 090254_XS

PLOT DATE : 10/13/2015 1:12 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT







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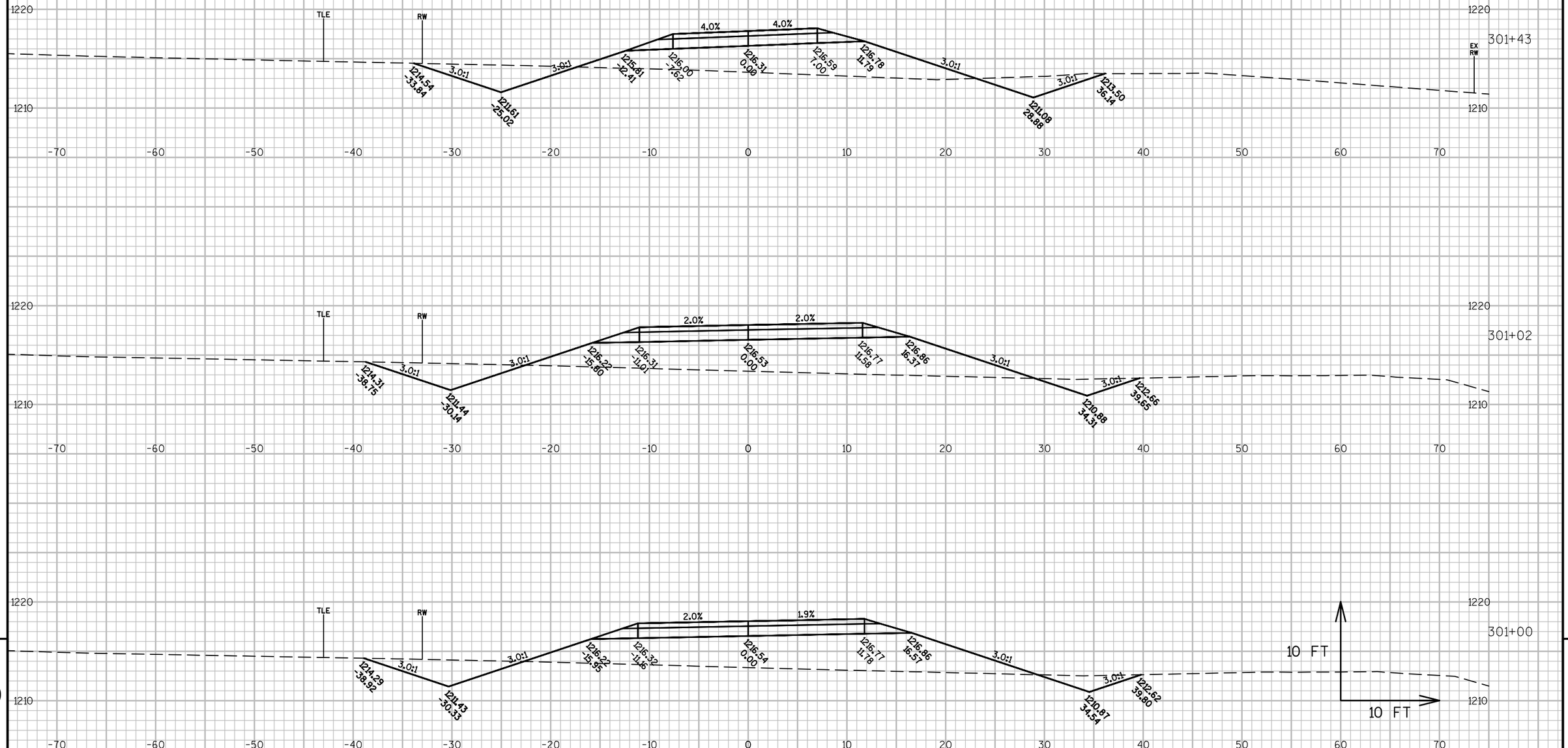
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 525	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090255_XS

PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

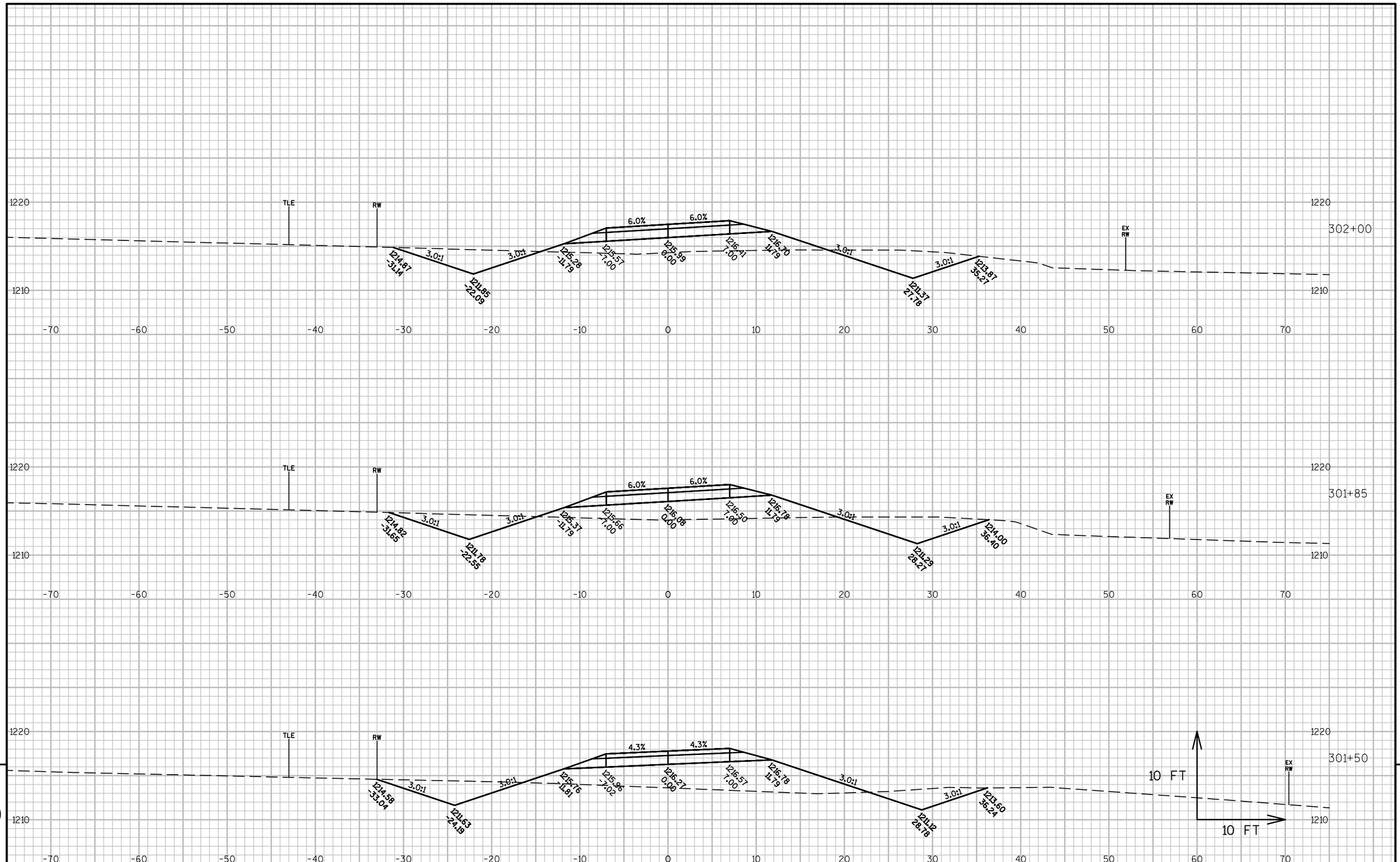


PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 526	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090256_XS

PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

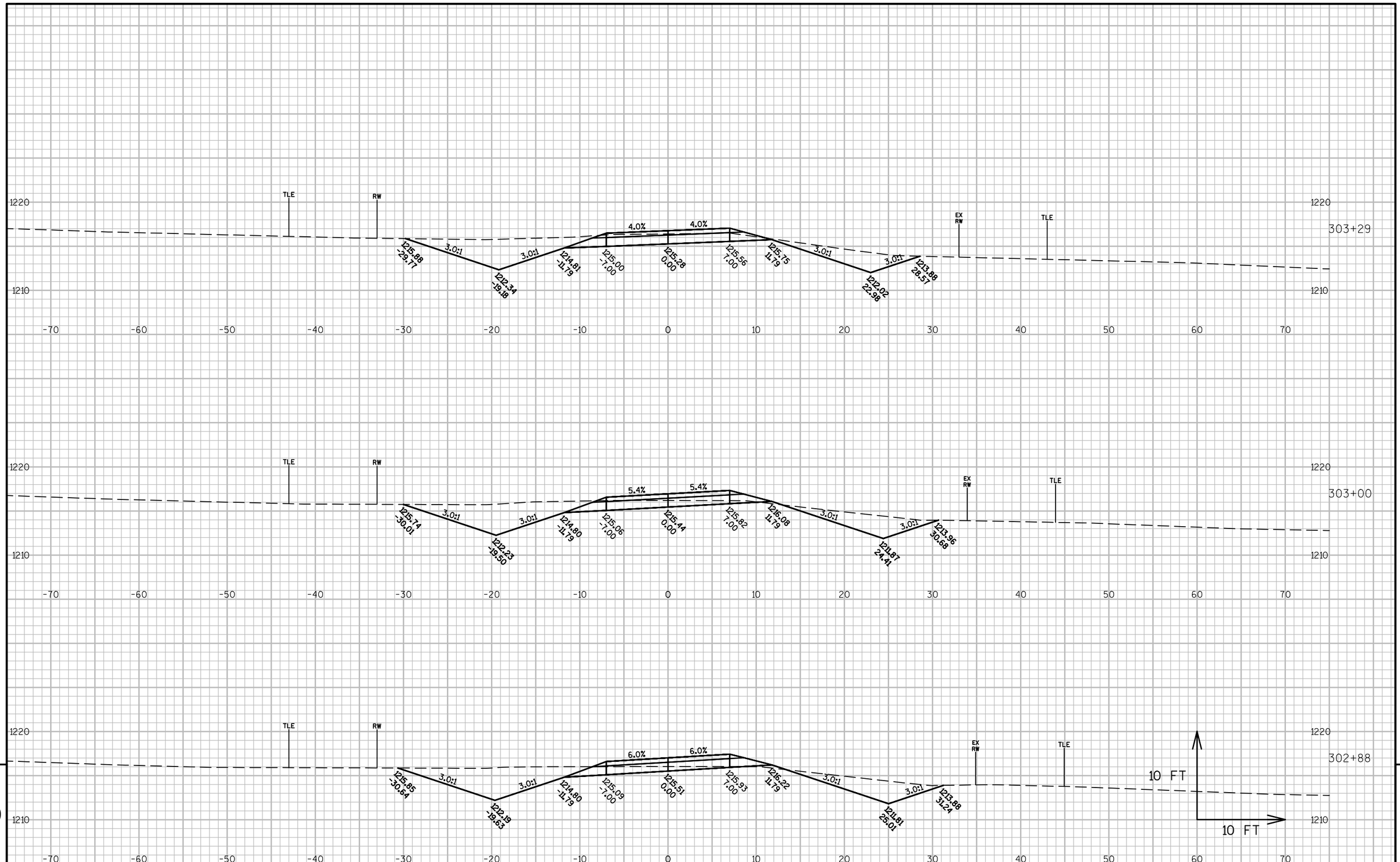
WISDOT/CADDS SHEET 49



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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 527	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090257_XS
PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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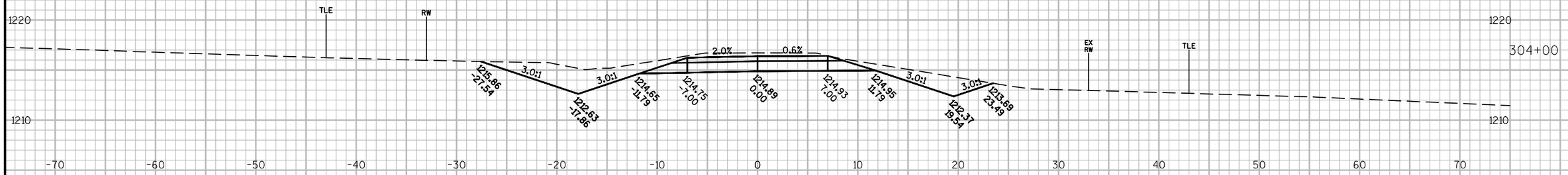
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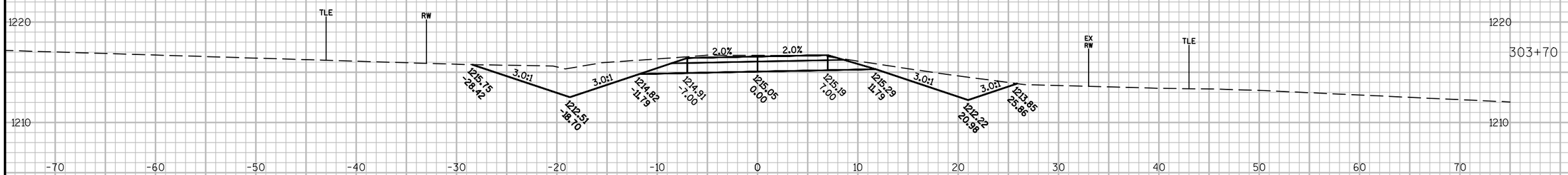
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 528	E

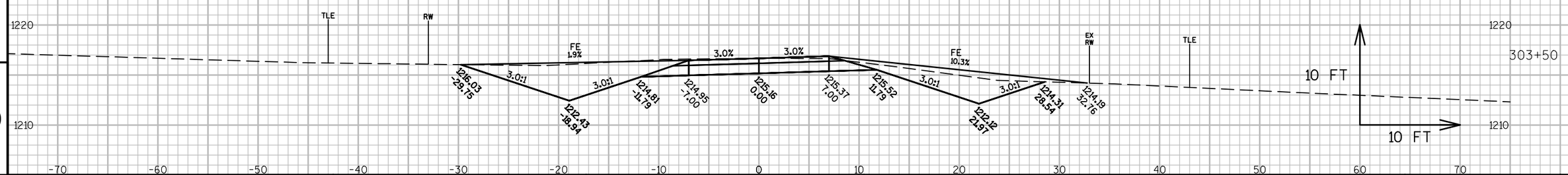
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LAYOUT NAME - 090258_XS

PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49







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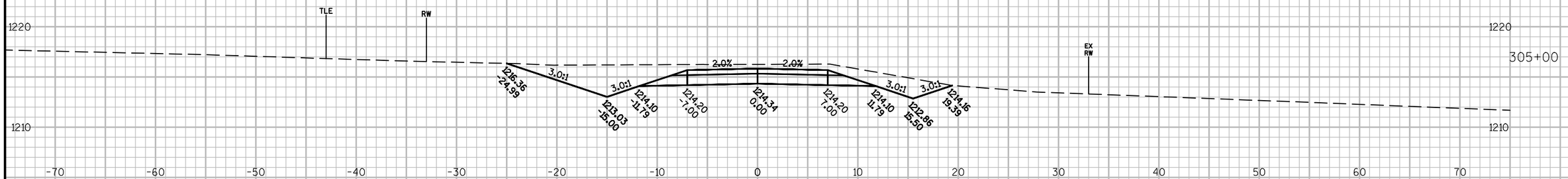
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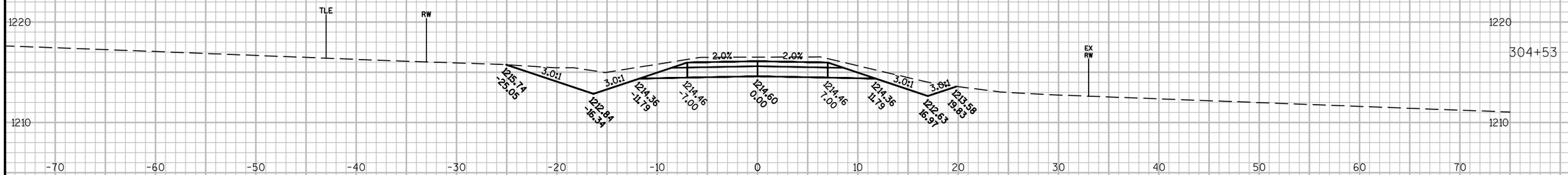
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 529	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090259_XS

PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49







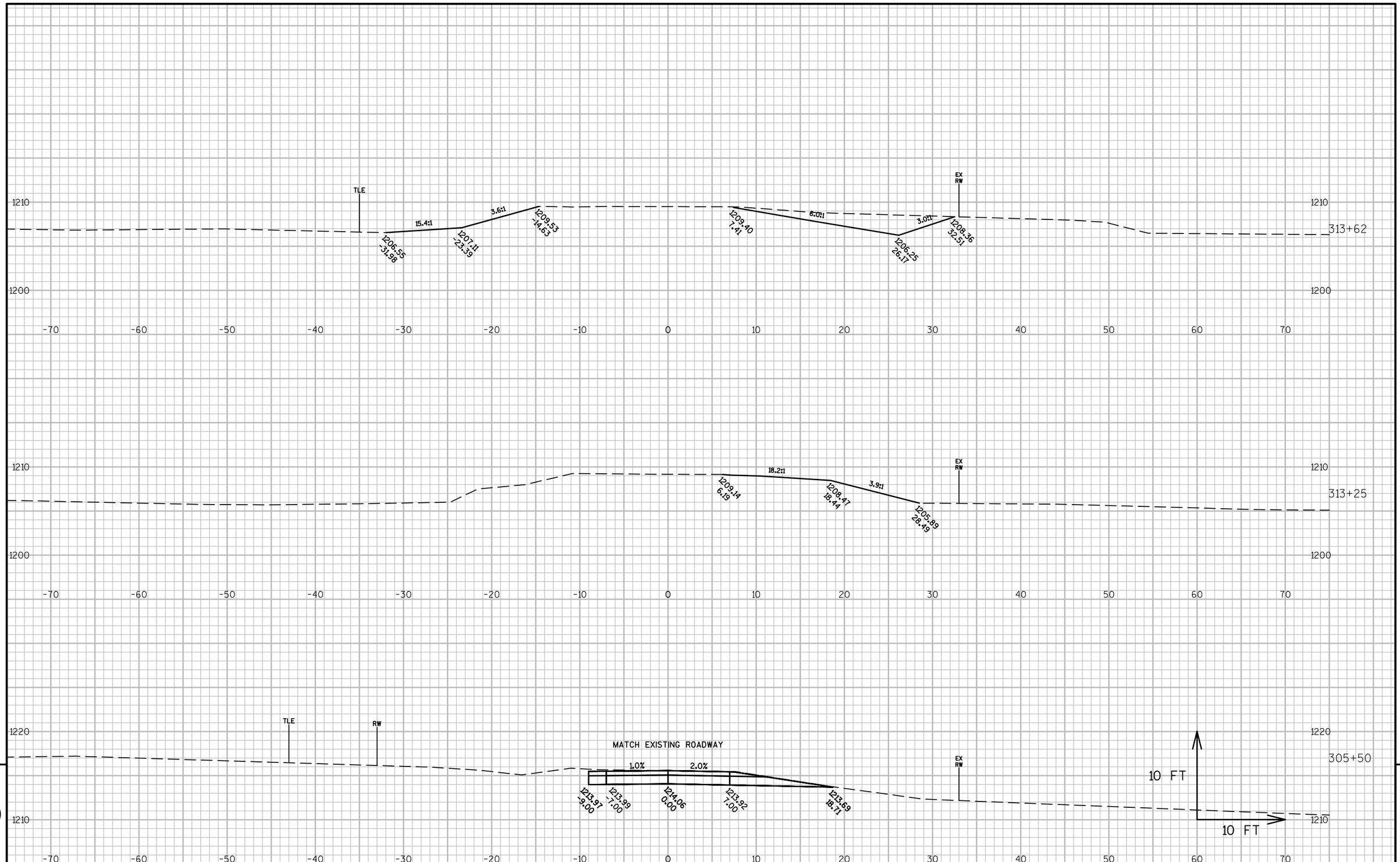
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 530	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090260_XS

PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



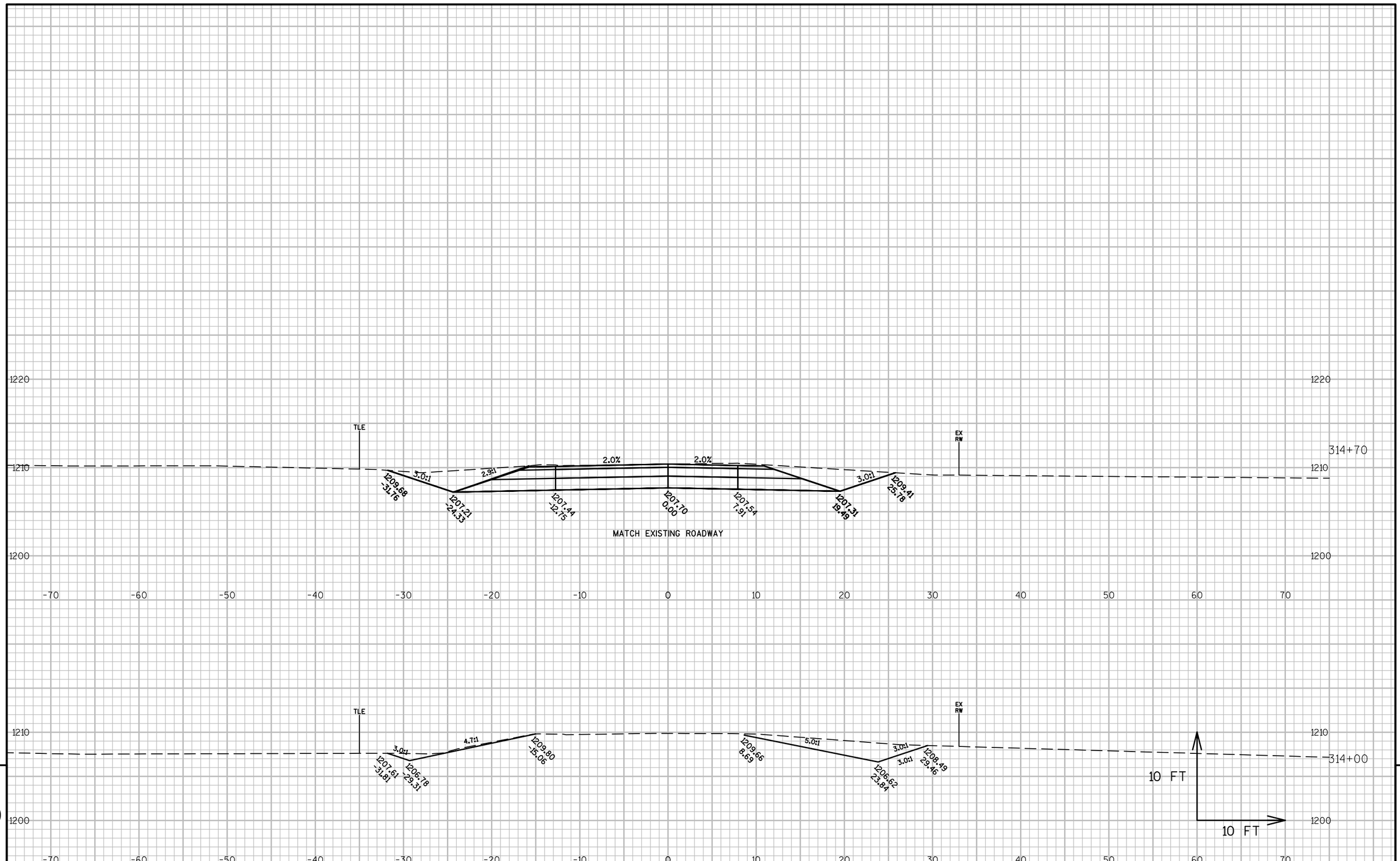
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 531	E

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FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090261_XS

PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



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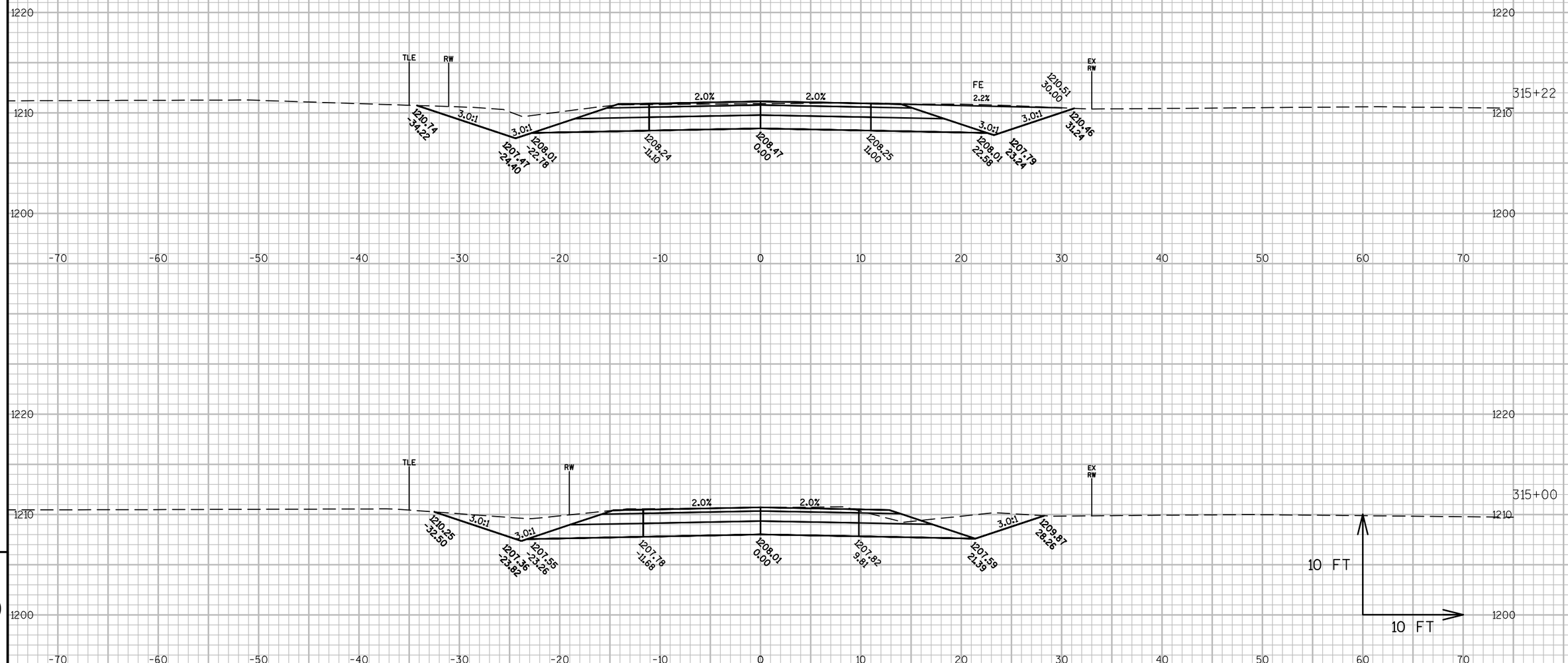
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 532	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090262_XS

PLOT DATE : 10/13/2015 1:13 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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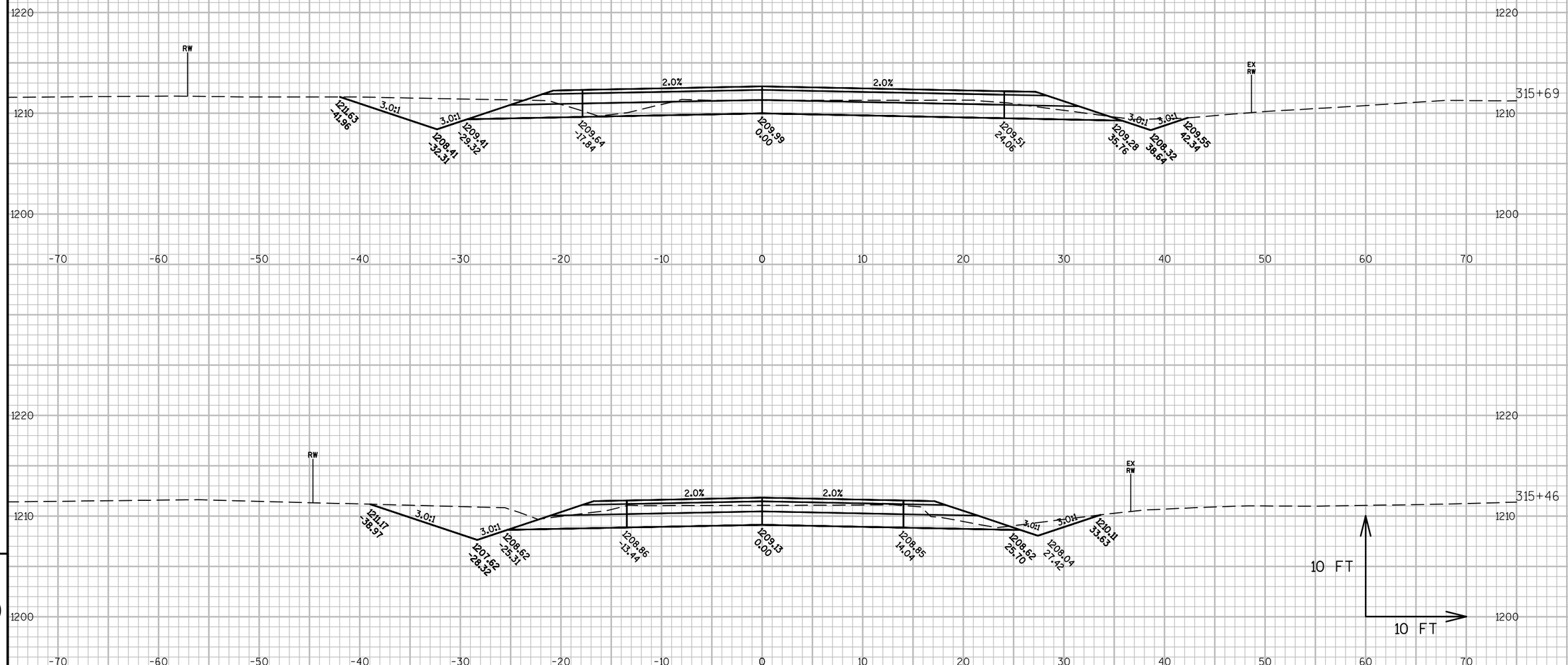
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 533	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090263_XS

PLOT DATE : 10/13/2015 1:14 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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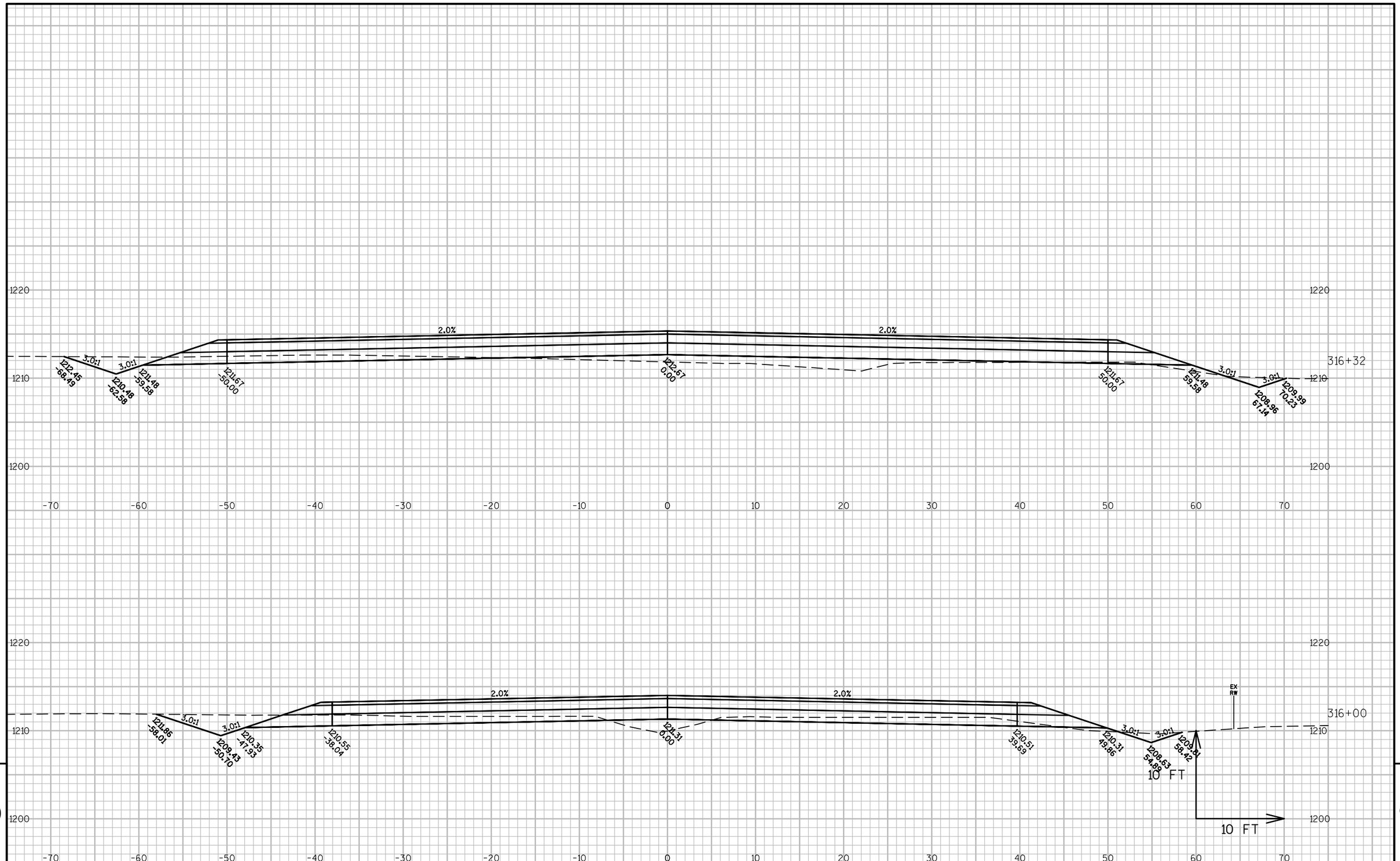
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 534	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090264_XS

PLOT DATE : 10/13/2015 1:14 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

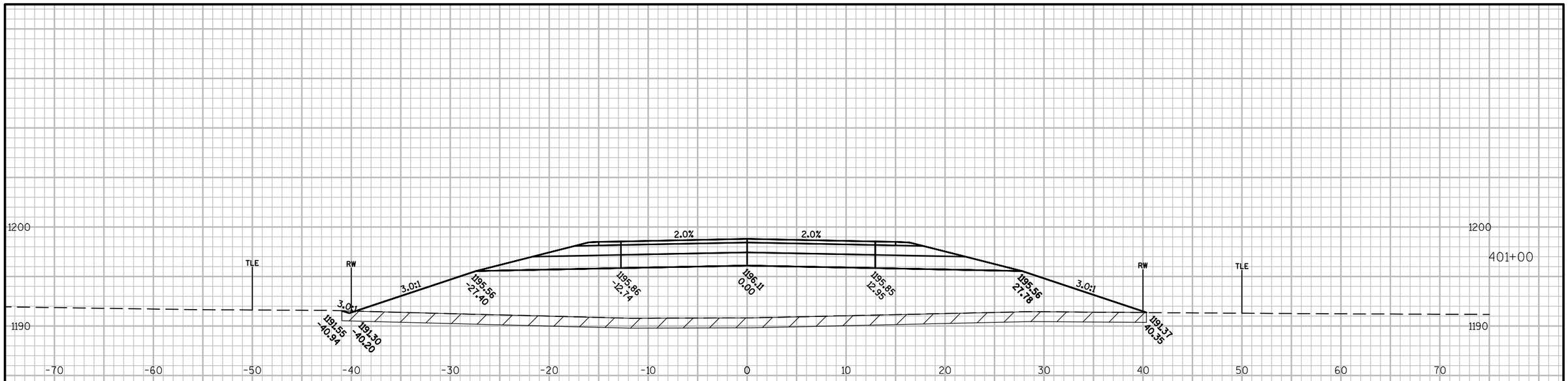


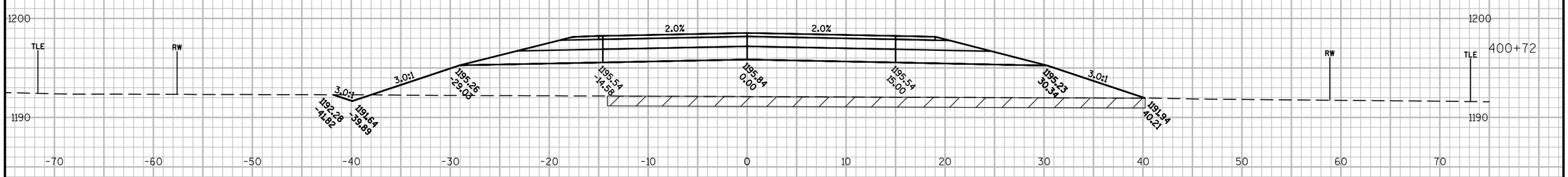
PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: FUEHRER AVE - D-LINE	SHEET 535	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FUEHRER_ROAD.DWG
LAYOUT NAME - 090265_XS

PLOT DATE : 10/13/2015 1:14 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49







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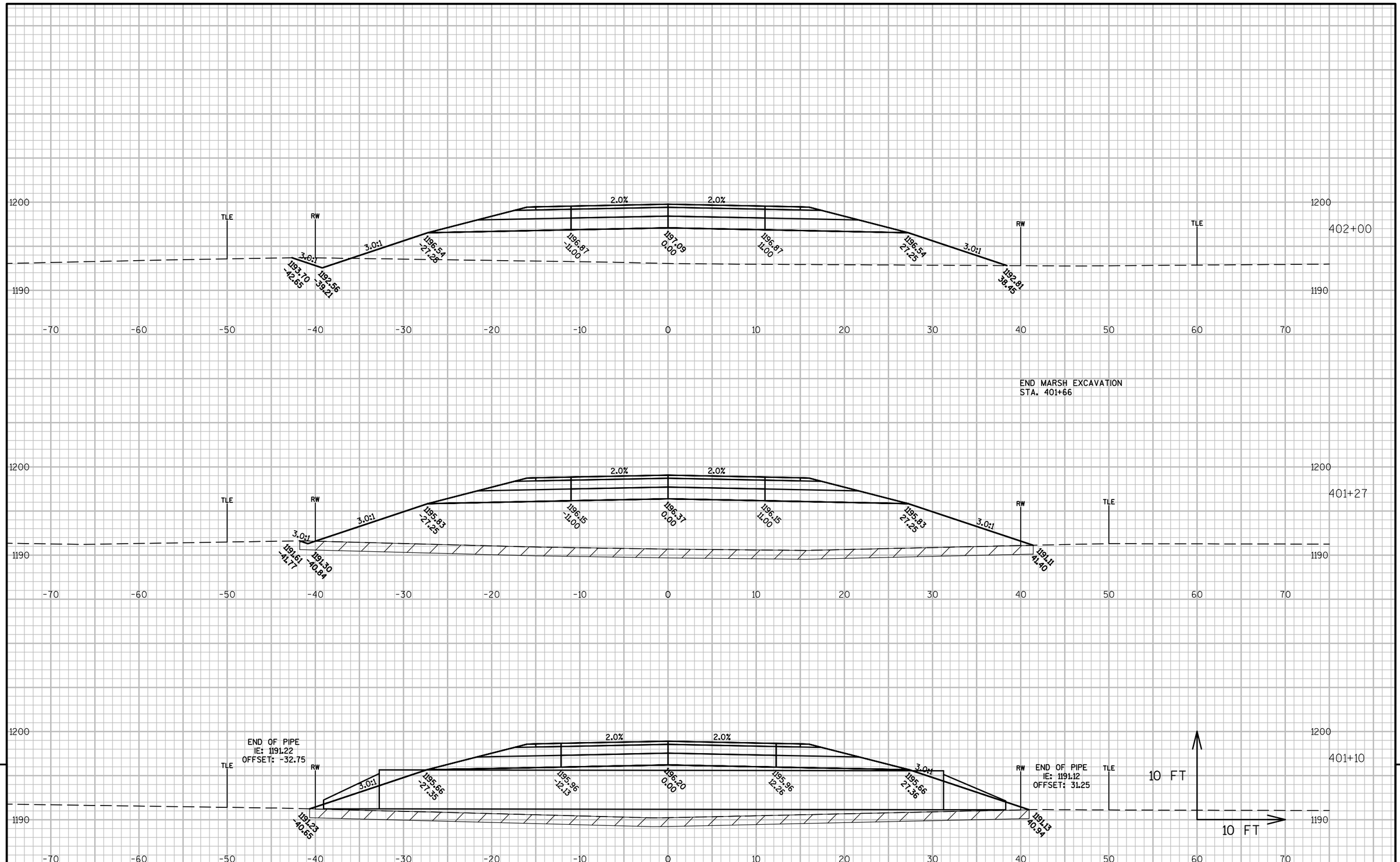
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 536	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_N-S.DWG
LAYOUT NAME - 090266_XS

PLOT DATE : 10/13/2015 1:14 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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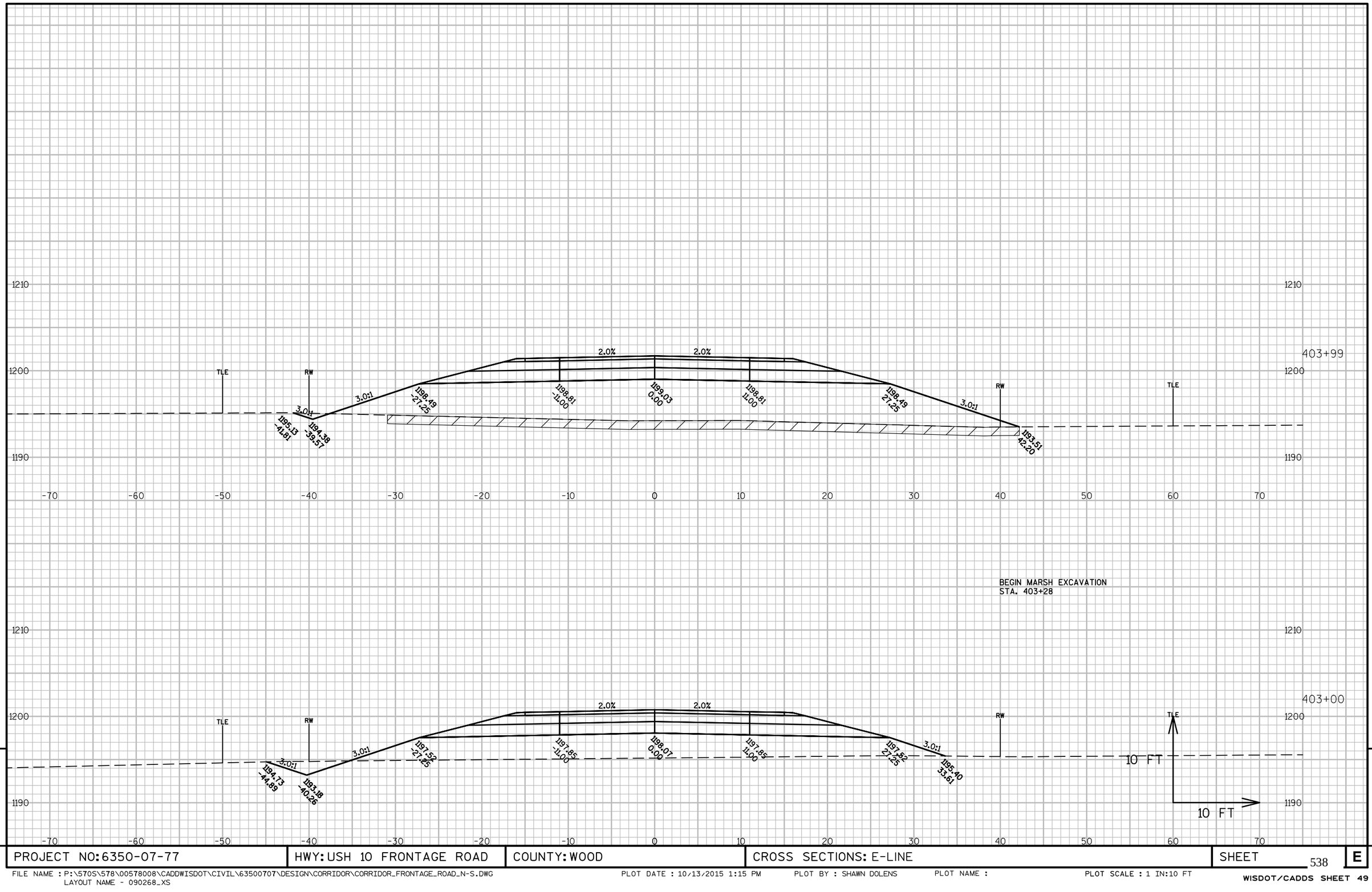
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 537	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_N-S.DWG
LAYOUT NAME - 090267_XS

PLOT DATE : 10/13/2015 1:15 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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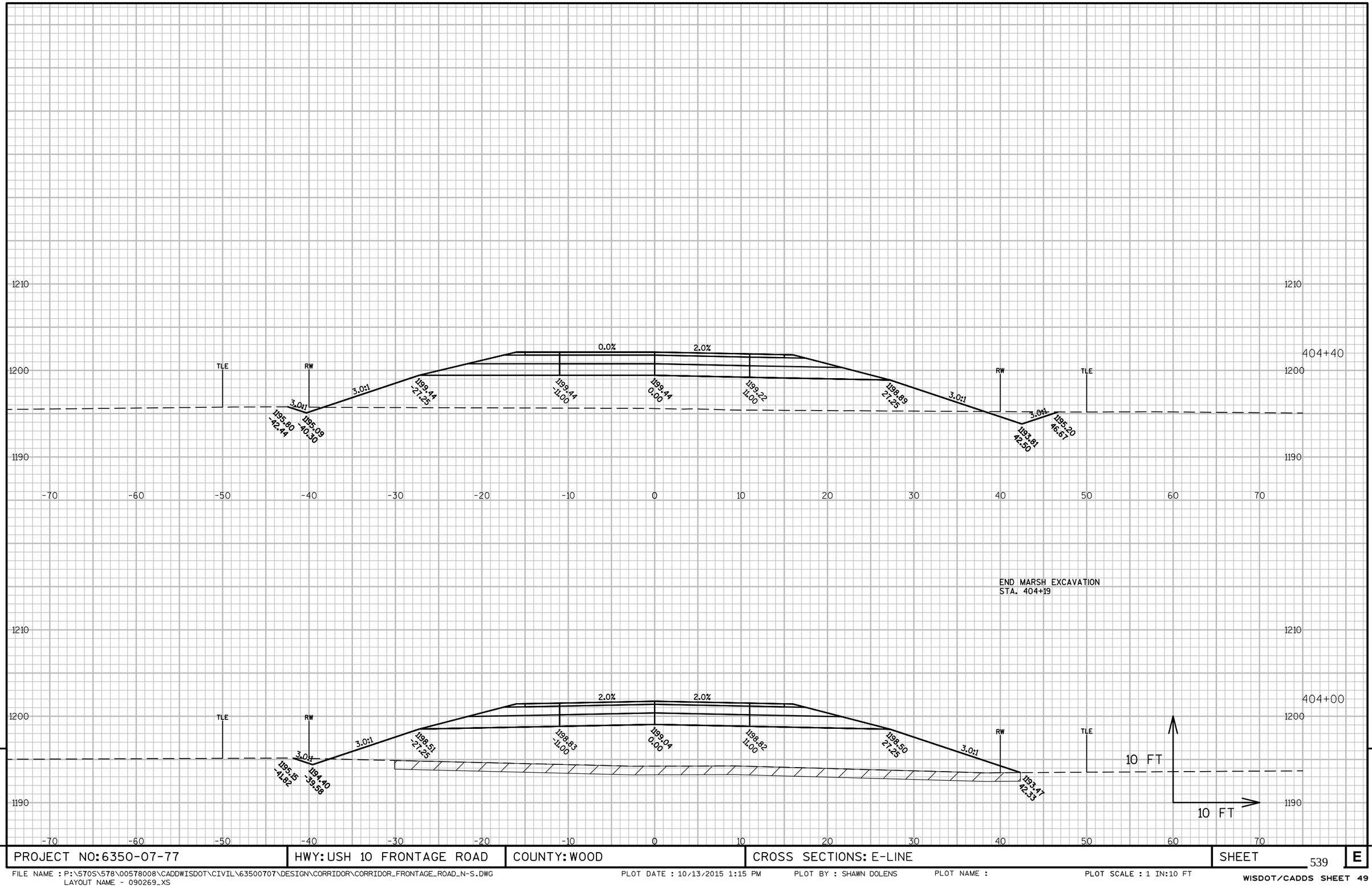
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 538	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_N-S.DWG
LAYOUT NAME - 090268_XS

PLOT DATE : 10/13/2015 1:15 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

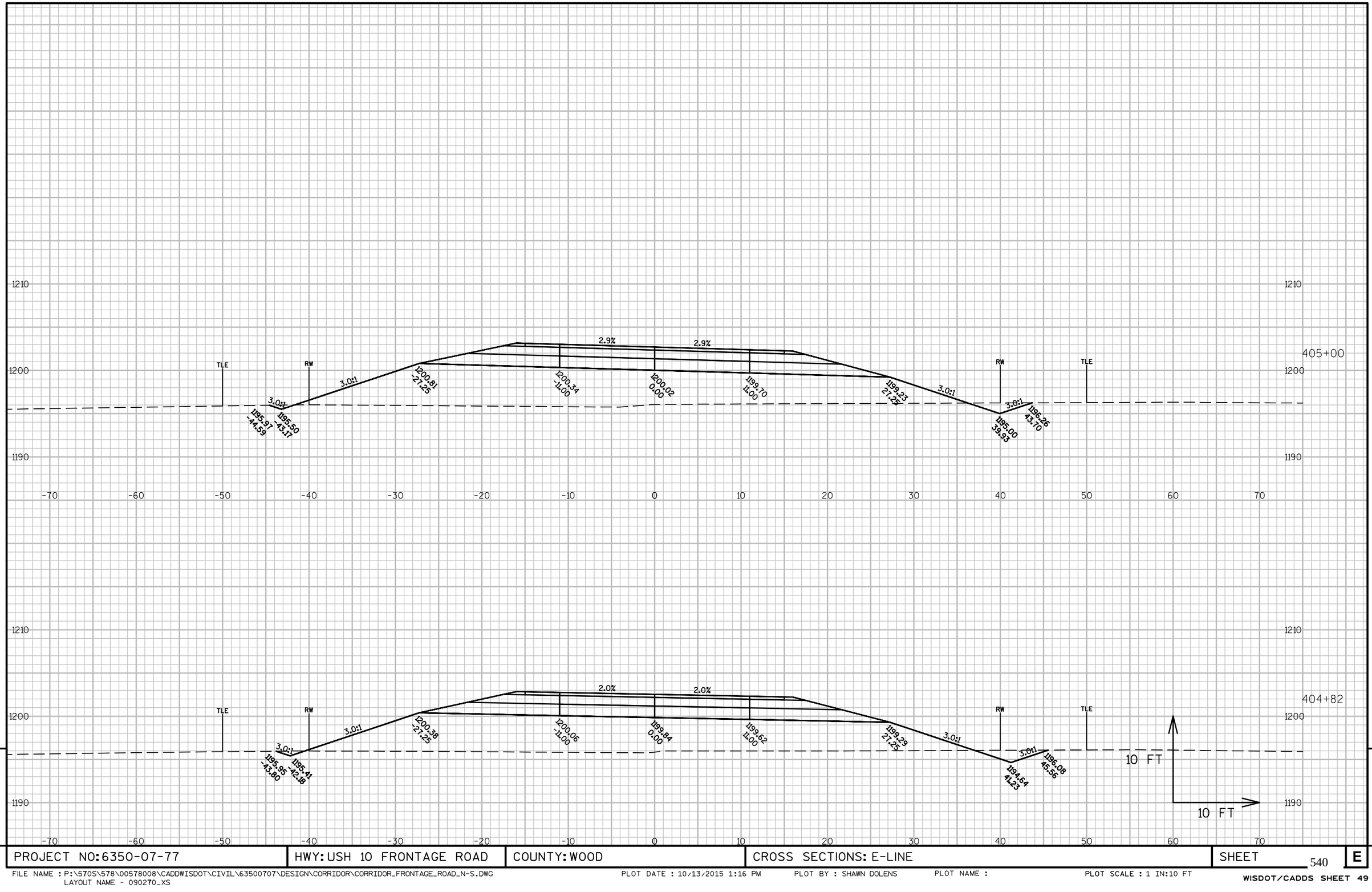
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 539	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_N-S.DWG
LAYOUT NAME - 090269_XS

PLOT DATE : 10/13/2015 1:15 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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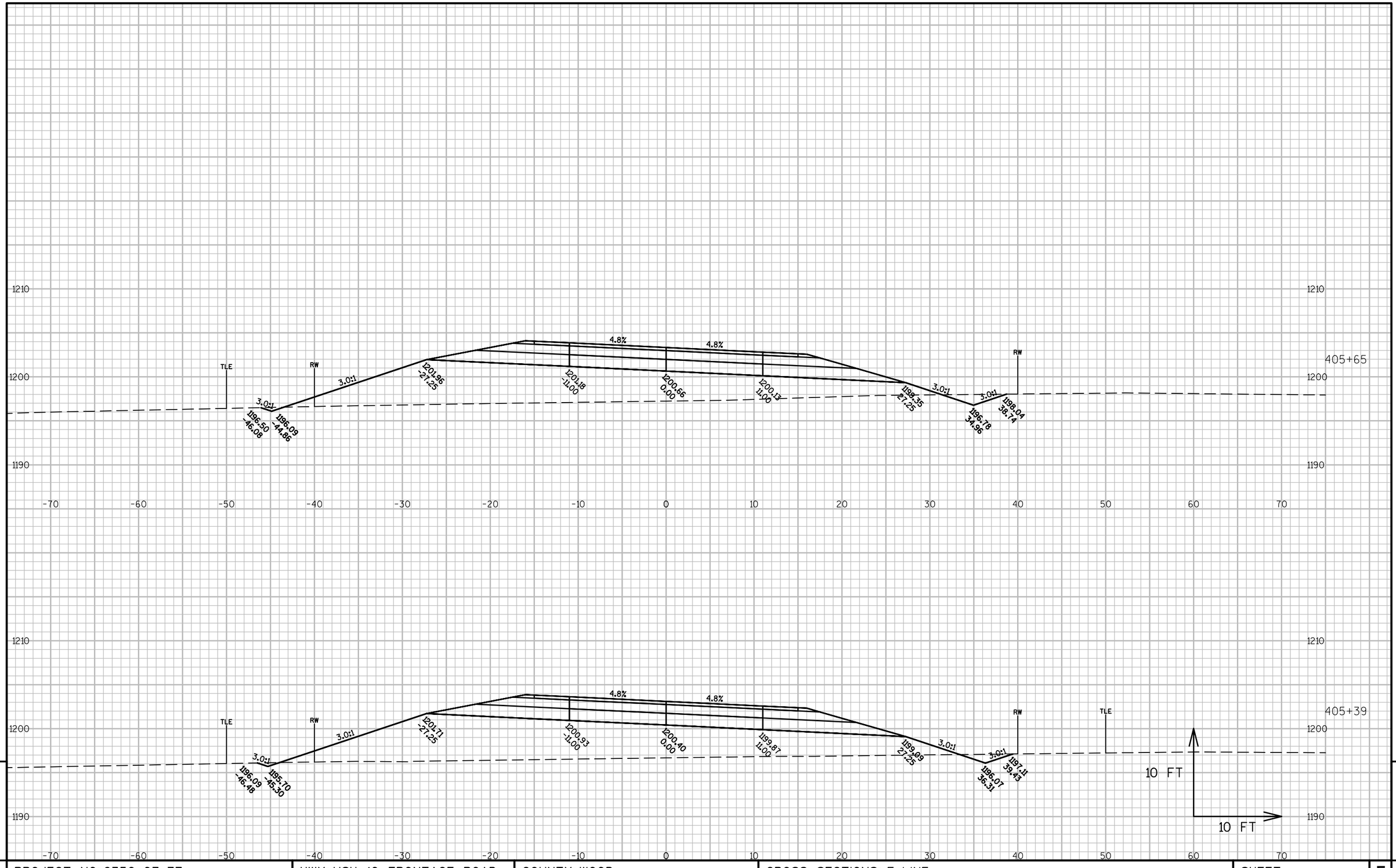
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 540	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_N-S.DWG
LAYOUT NAME - 090270_XS

PLOT DATE : 10/13/2015 1:16 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

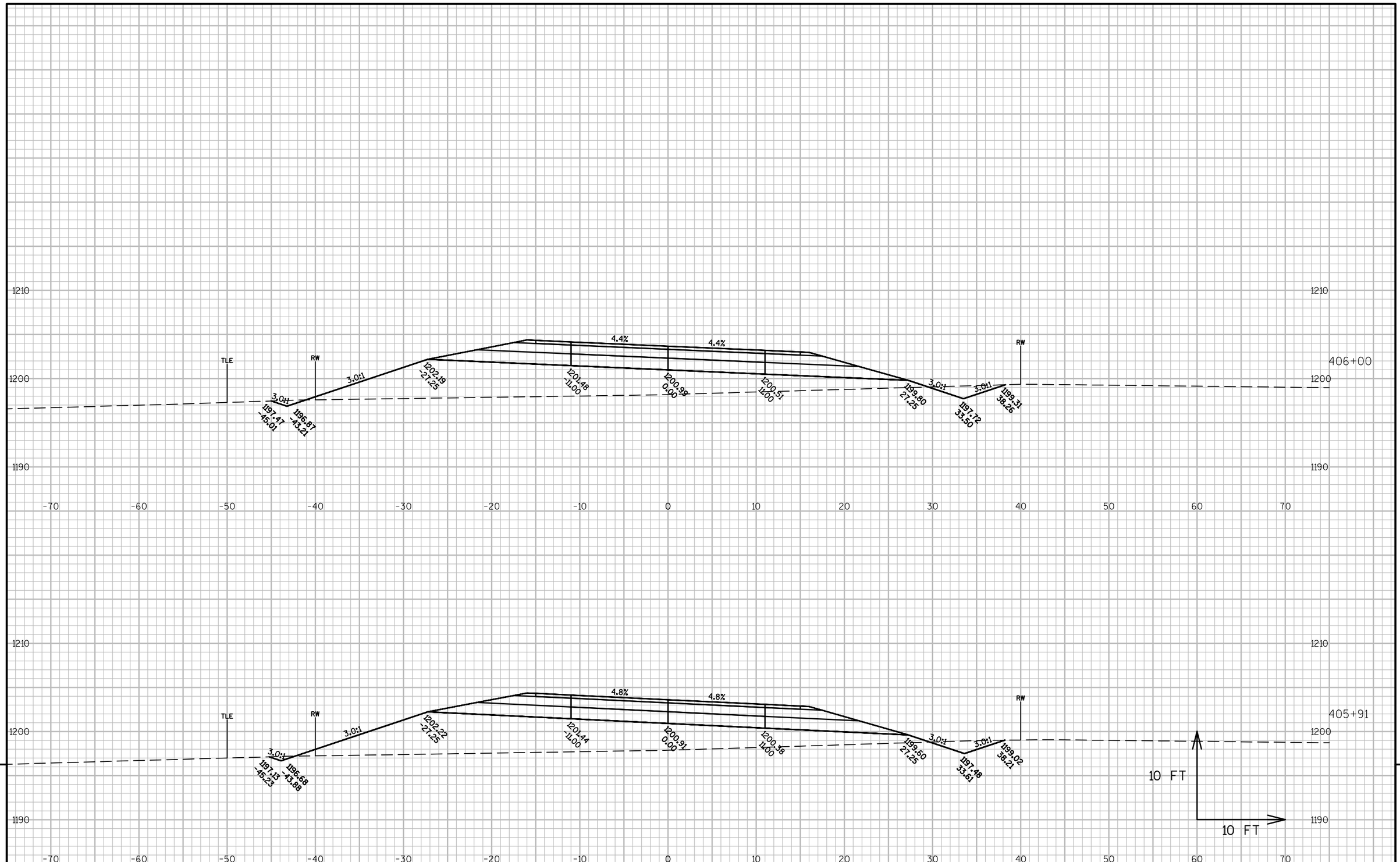
WISDOT/CADDS SHEET 49



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 541	E

FILE NAME : P:\570S\578\00578008\CADDWISDOT\CIVIL\63500707\DESIGN\CORRIDOR\CORRIDOR_FRONTAGE_ROAD_N-S.DWG
LAYOUT NAME - 090271_XS

PLOT DATE : 10/13/2015 1:16 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



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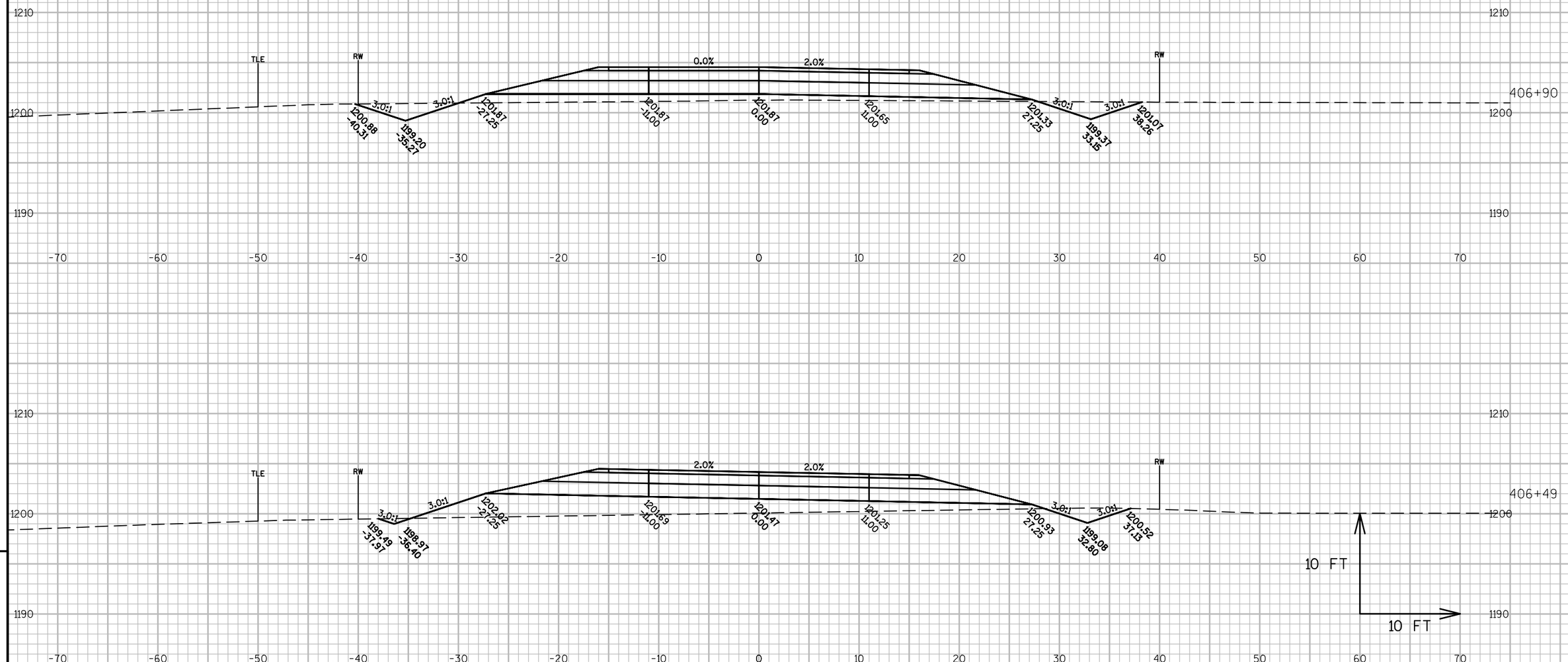
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 542	E

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LAYOUT NAME - 090272_XS

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WISDOT/CADDS SHEET 49



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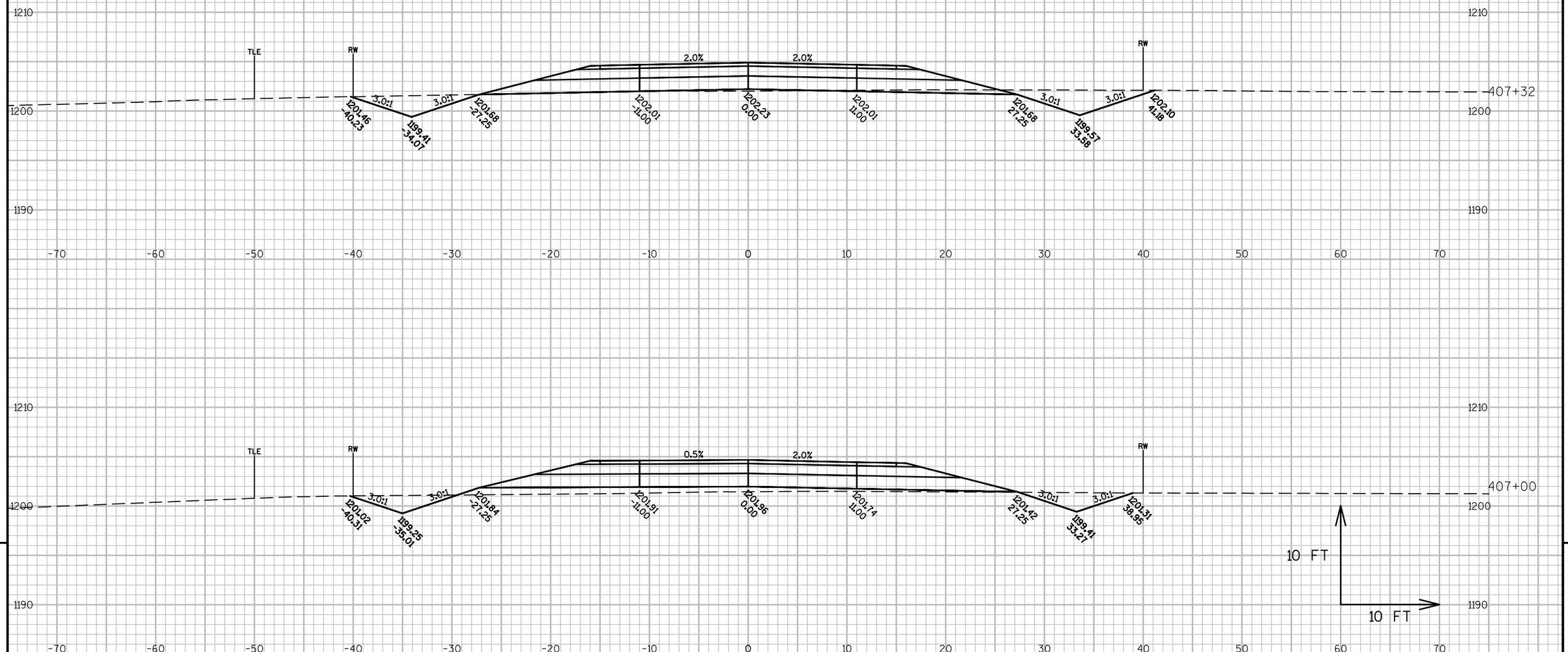
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 543	E

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WISDOT/CADDS SHEET 49



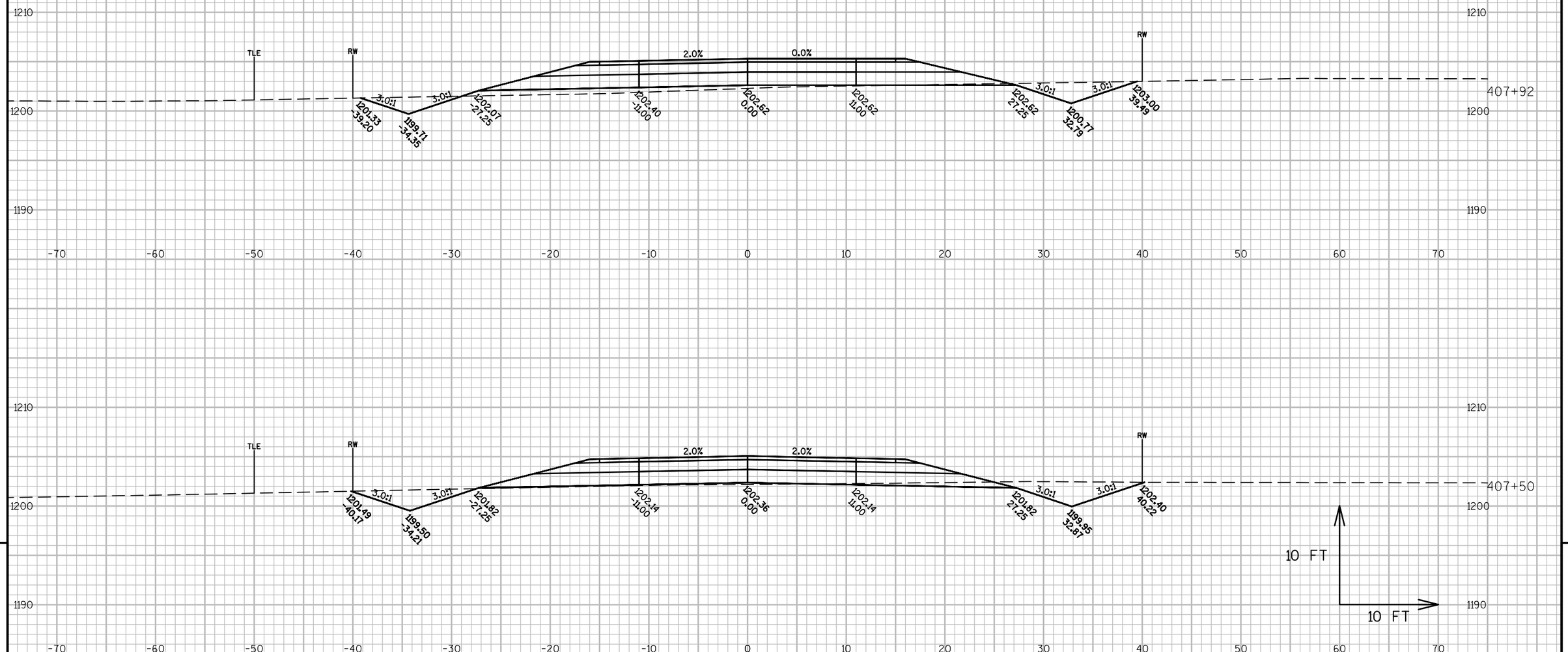
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 544	E

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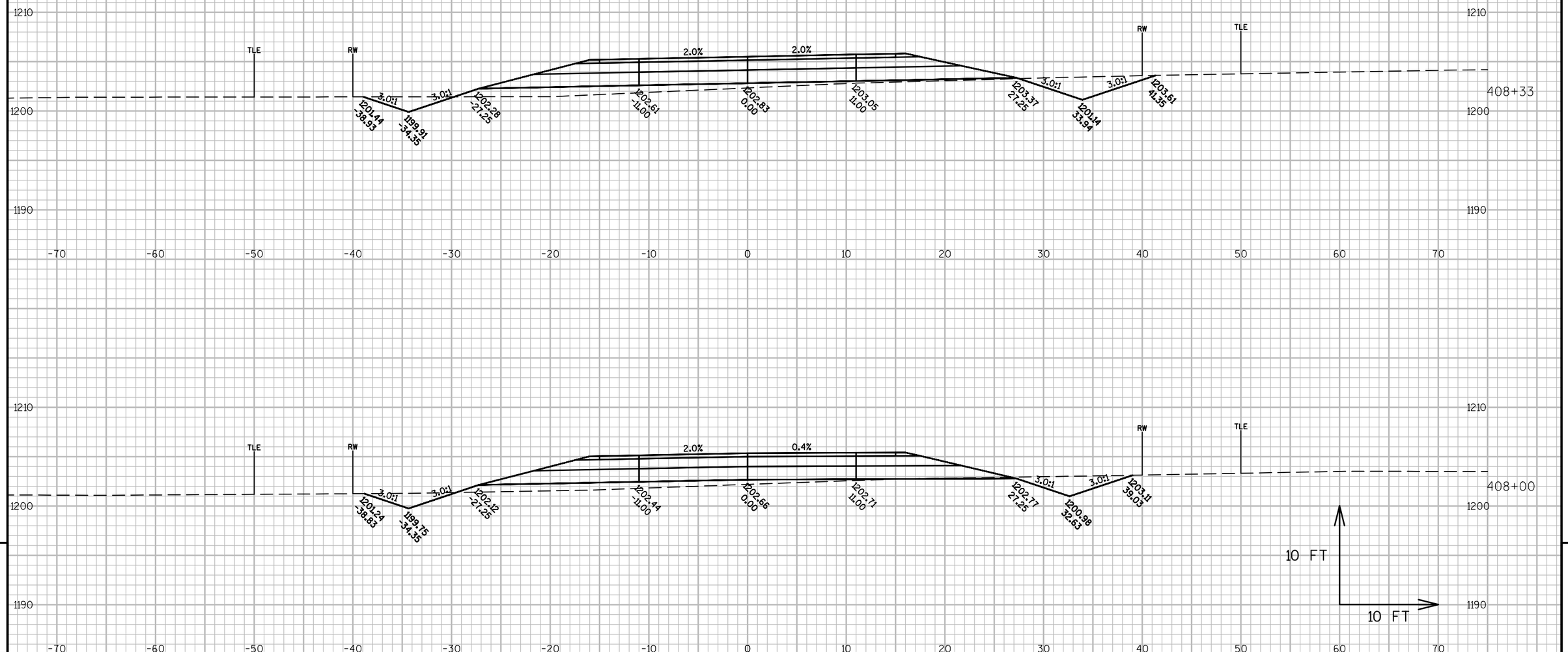
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 545	E

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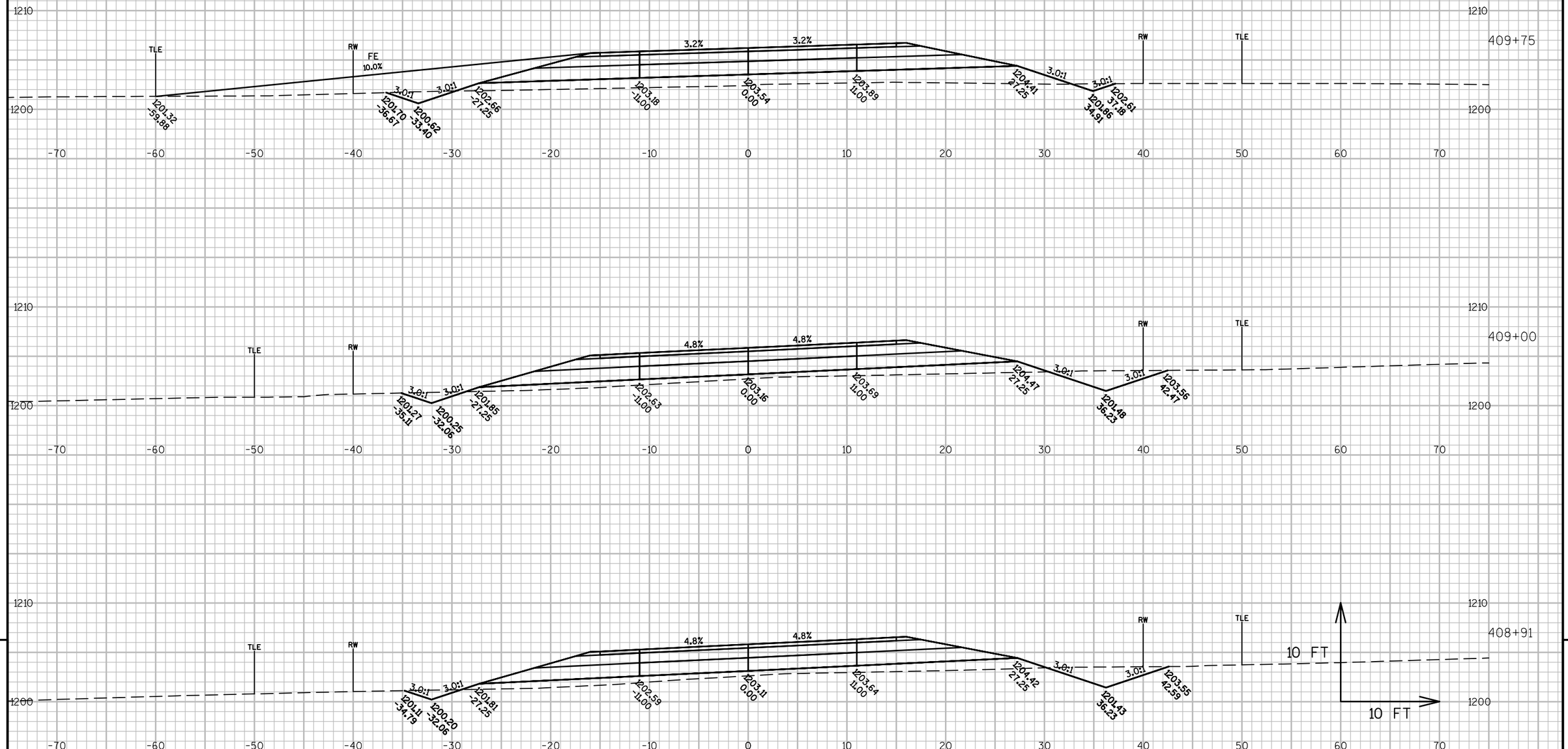


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LAYOUT NAME - 090276_XS

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WISDOT/CADDS SHEET 49



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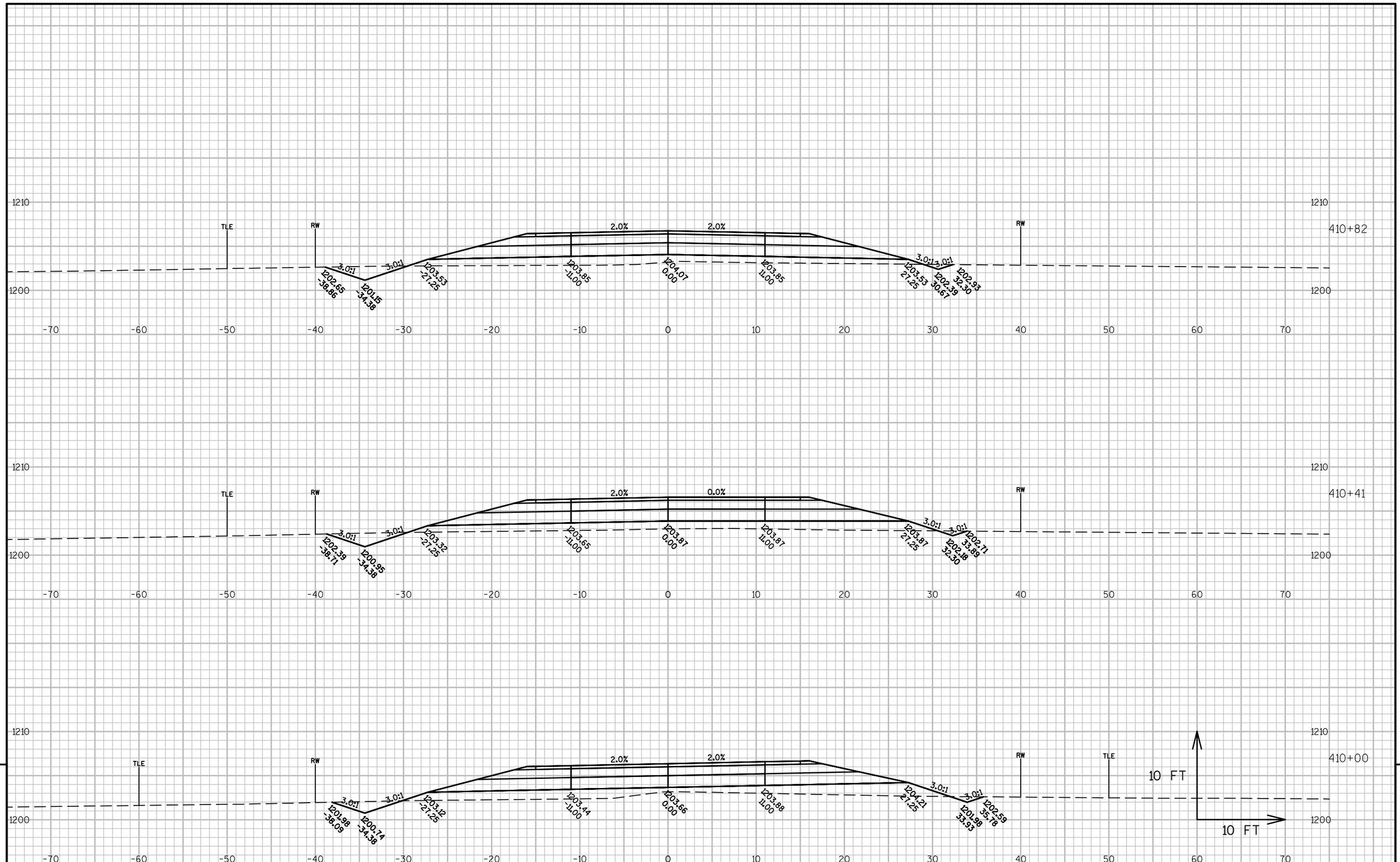
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WISDOT/CADDS SHEET 49



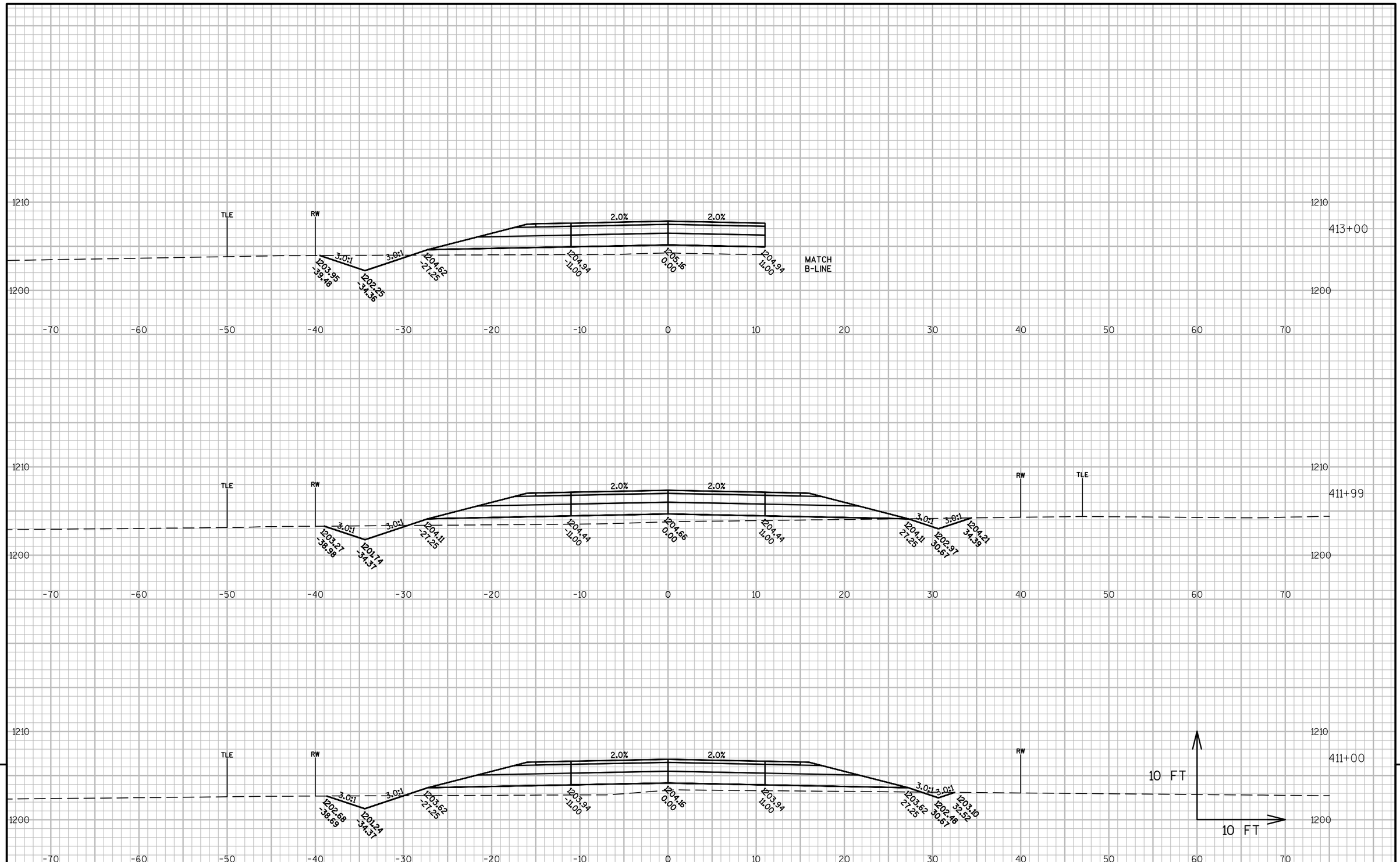
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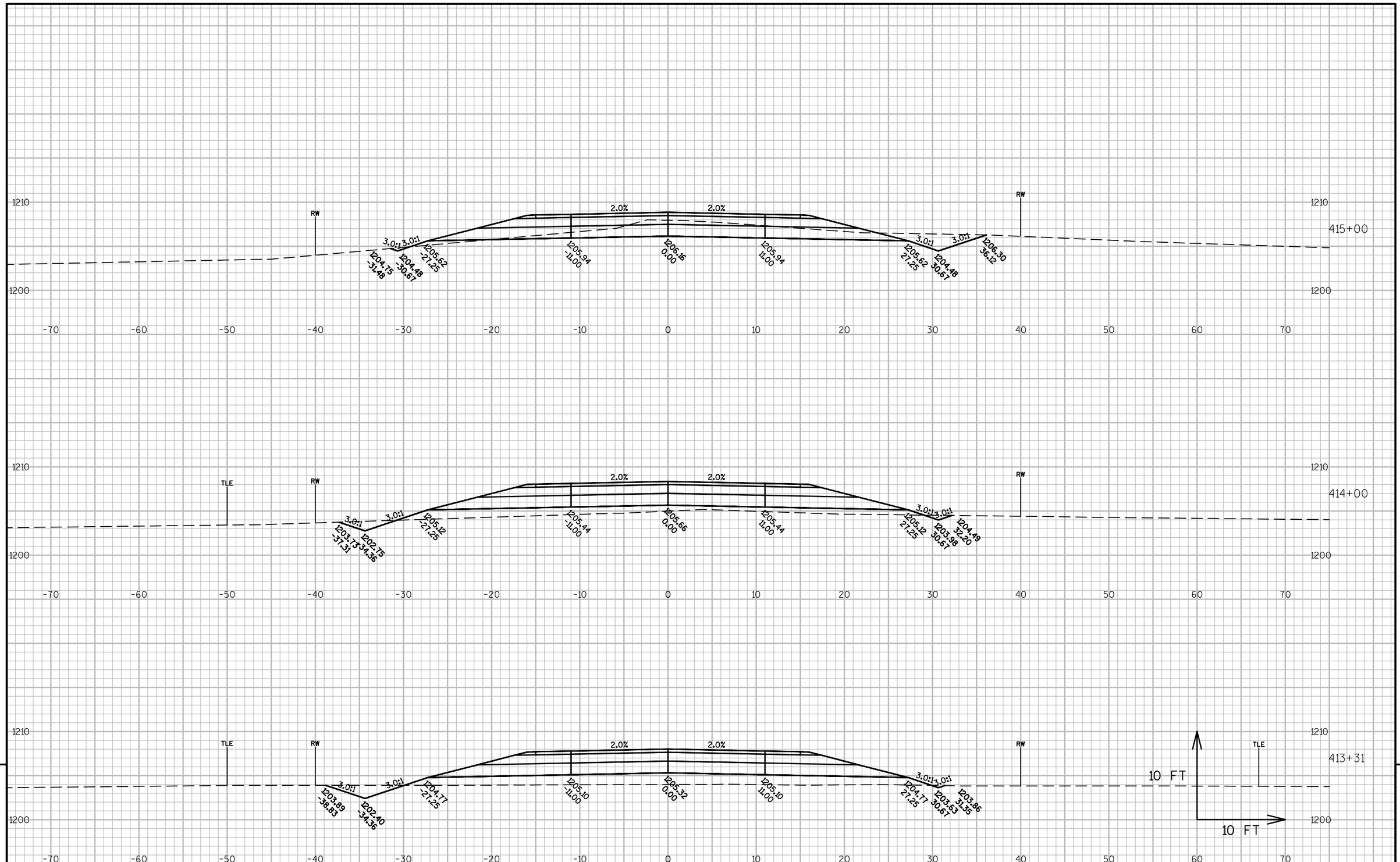
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 549	E

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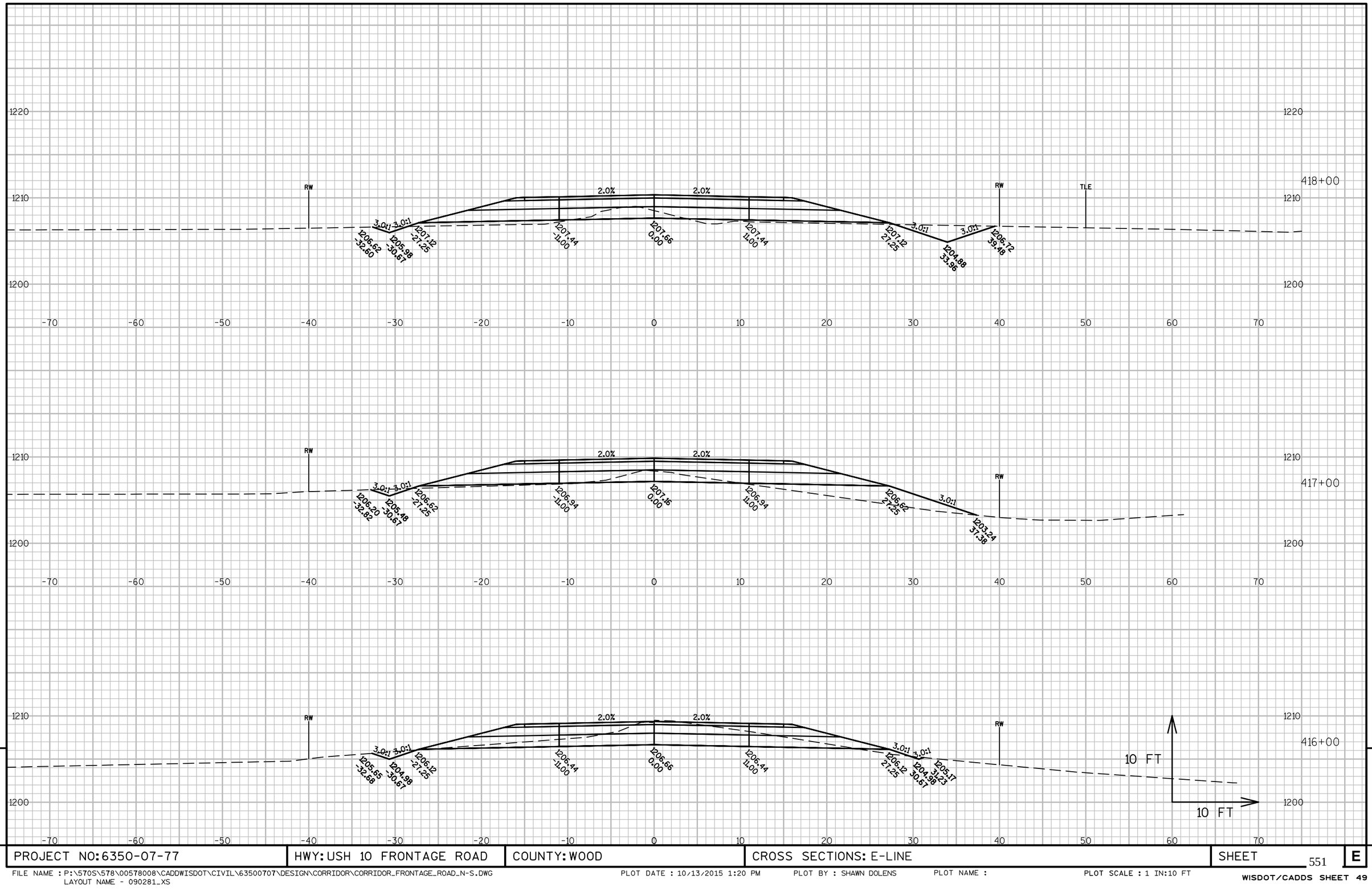
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 550	E

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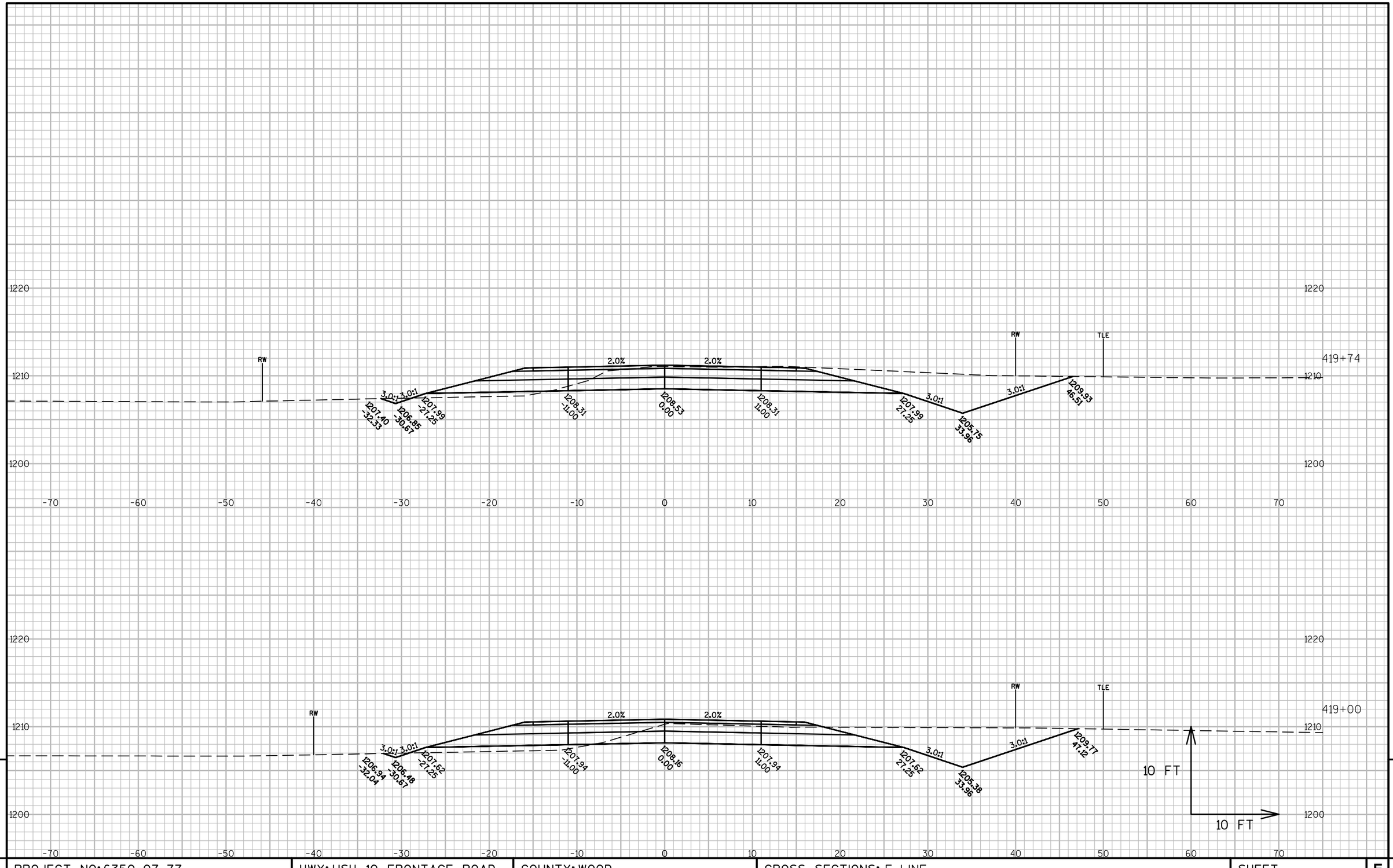
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 551	E

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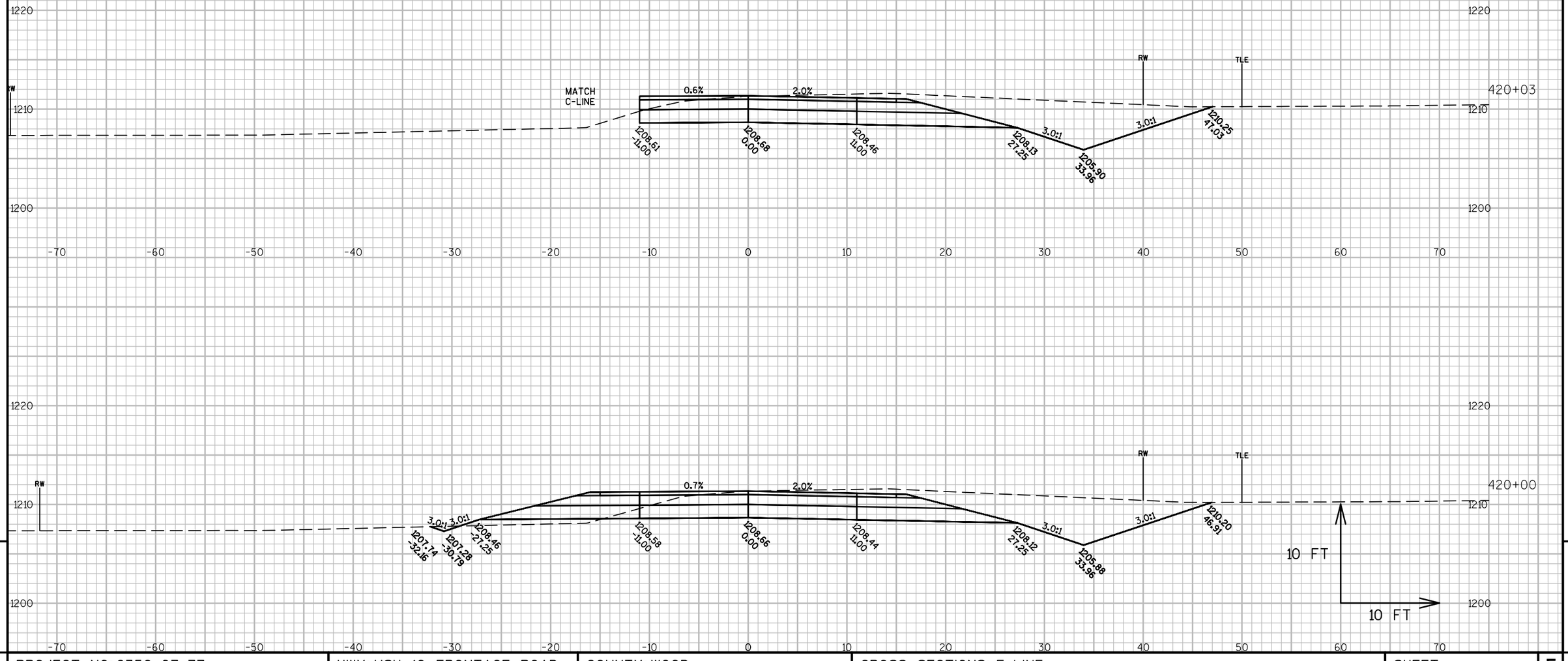
WISDOT/CADDS SHEET 49



PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 552	E

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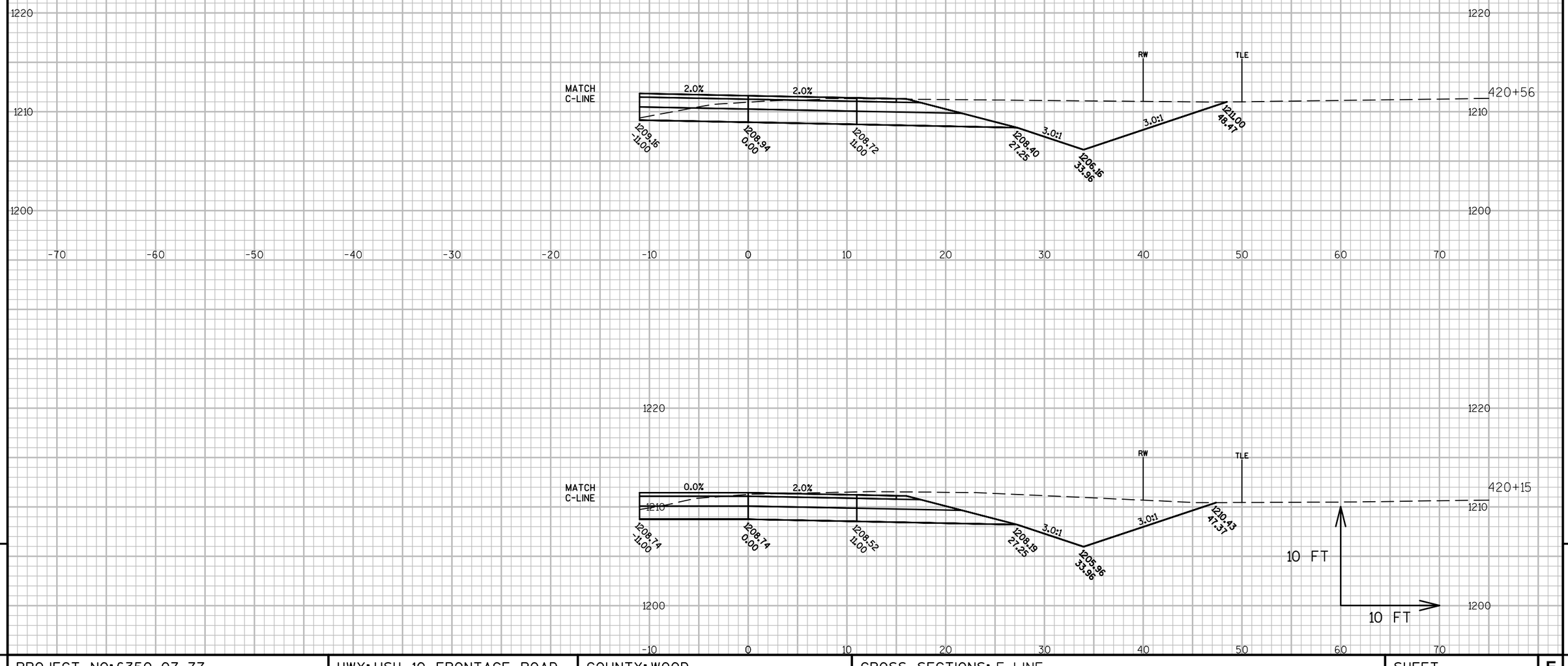
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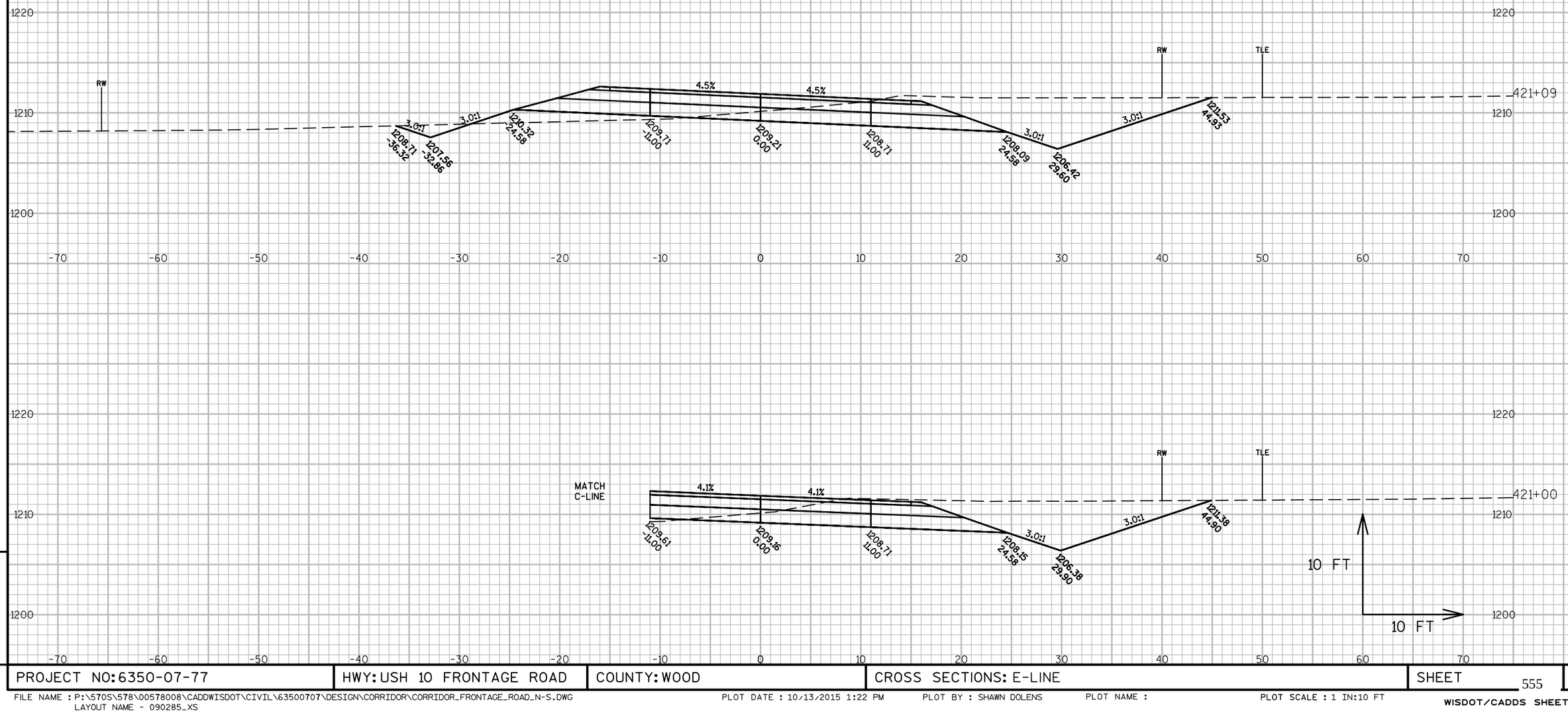
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PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 554	E

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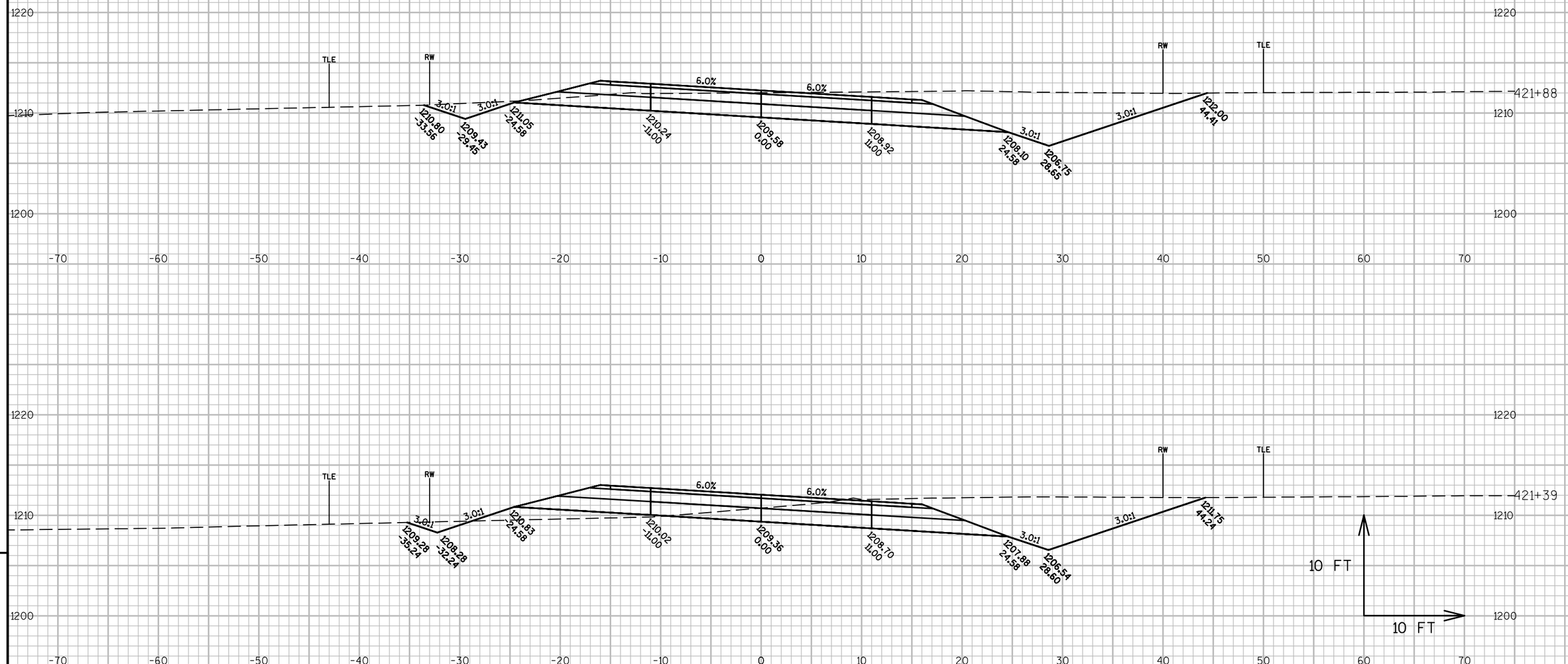
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LAYOUT NAME - 090285_XS

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WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6350-07-77	HWY: USH 10 FRONTAGE ROAD	COUNTY: WOOD	CROSS SECTIONS: E-LINE	SHEET 556	E

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LAYOUT NAME - 090286_XS

PLOT DATE : 10/13/2015 1:22 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

WIS

MAR 2016

PROJECT ID: 6350-07-87

COUNTY: WOOD

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 = 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER REPLACEMENT

MARSHFIELD - STEVENS POINT

CN RR-CTH F, VILL OF AUBURNDALE

CTH P

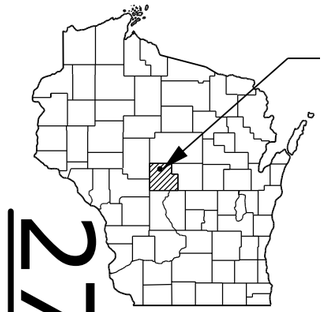
WOOD COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6350-07-87	———	———

STATE PROJECT NUMBER

6350-07-87

LOCAL UTILITIES

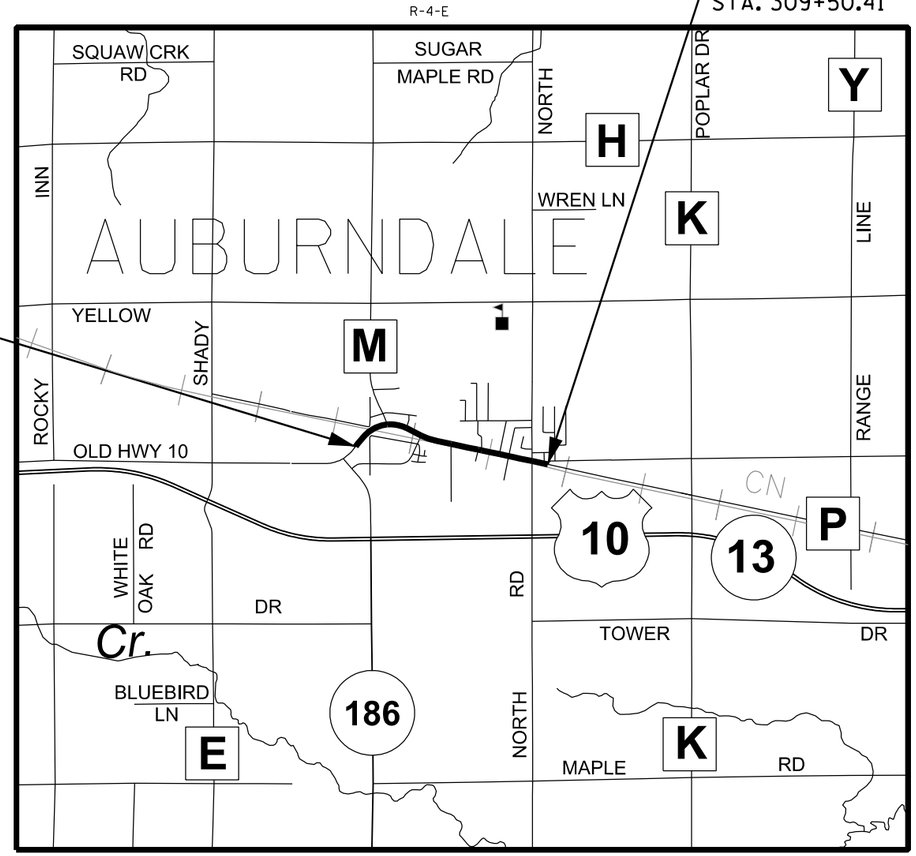


DESIGN DESIGNATION

A.A.D.T. (2015)	=	9,600
A.A.D.T. (2025)	=	10,400
D.H.V. (2025)	=	11.5
D.	=	58/42
T.	=	5.4%
DESIGN SPEED	=	30 mph
ESALS	=	1,876,100

BEGIN PROJECT 6350-07-87
STA. 241+31.48

END PROJECT 6350-07-87
STA. 309+50.41



LAYOUT
SCALE 0 1/2 MI.

PROJECT I.D. 6350-07-87 = 1.292 MI.
TOTAL NET LENGTH OF CENTERLINE= 1.292 MI.

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

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

ACCEPTED FOR

VILLAGE of AUBURNDALE

10-27-15 (Date)

(Village President)

ORIGINAL PLANS PREPARED BY:

MSA PROFESSIONAL SERVICES

TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL
146 North Central Ave. Marshfield, WI 54449
715-384-2133 1-877-204-6572 Fax: 715-384-9787
Web Address: www.msa-ps.com
© MSA Professional Services, Inc.

WISCONSIN
MICHAEL A. VOSS
E-36372
MARSHFIELD WI
PROFESSIONAL ENGINEER

10-27-15 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA Professional Services, Inc.
Designer	MSA Professional Services, Inc.
Project Manager	JEFF STEWART
Regional Examiner	
Regional Supervisor	
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 12/16/15 (Signature)

E

2

GENERAL NOTES

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON PLANS ARE APPROXIMATE. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT DIGGERS HOTLINE AS THERE MAY BE OTHER UTILITIES NOT SHOWN ON THE PLANS.

2

UTILITY CONTACTS

ALLIANT ENERGY
4902 N BILLMORE LANE
PO BOX 77007
MADISON, WI 53707-1007
ATTN: JASON HOGAN
PHONE: (608) 458-4871
jasonhogan@alliantenergy.com

CENTRAL STATE TELEPHONE
d/b/a TDS TELECOM
10 COLLEGE AVENUE STE 218A
APPLETON, WI 54911
ATTN: STEVE JAKUBIEC
PHONE: (920) 882-4166
steve.jakubiec@tdstelecom.com

KDL INC.
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
ATTN: JIM KOSTUCH
PHONE: (262) 792-7938
james.kostuch@windstream.com

PACKERLAND BROADBAND
105 KENT STREET
IRON MOUNTAIN, MI 49801
ATTN: RANDY SIMMS
PHONE: (906) 282-3802
randy.simms@ccisystems.com

SOLARUS
440 EAST GRAND AVENUE
P.O. BOX 8045
WISCONSIN RAPIDS, WI 54495
ATTN: RICK SCHMUTZER
PHONE: (715) 421-8193
schmutz@solarus.biz

WE ENERGIES
1921 EIGHTH STREET SOUTH
WISCONSIN RAPIDS, WI 54494
ATTN: BILL GARSKI
PHONE: (715) 421-7259
bill.garski@we-energies.com

VILLAGE OF AUBURNDALE
5988 1ST STREET
AUBURNDALE, WI 54412
ATTN: JOHN SPATZ
PHONE: (715) 652-2244
spatzj@tds.net

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

DESIGN CONTACT

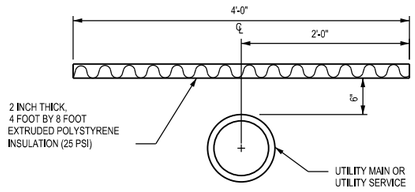
MSA PROFESSIONAL SERVICES
146 NORTH CENTRAL AVENUE, STE 201
MARSHFIELD, WI 54449
ATTN: MIKE VOSS
PHONE: (715) 304-0458
mvoss@msa-ps.com

DNR CONTACT

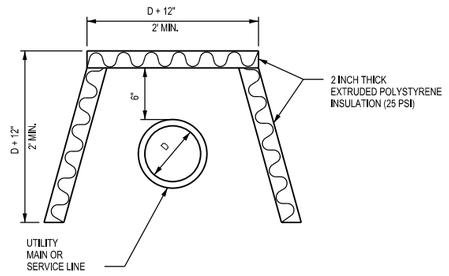
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL ANALYST AND REVIEW SPECIALIST
473 GRIFFITH AVENUE
WISCONSIN RAPIDS, WI 54494
ATTN: MARC HERSHFIELD
PHONE: (715) 421-7867
marc.hershfield@wisconsin.gov

RR CONTACT

WCL
1625 DEPOT STREET
STEVENS POINT, WI 54481
ATTN: JACKIE MACEWICZ
PHONE: (715) 345-2503
jackie.macewicz@cn.ca



STANDARD INSTALLATION



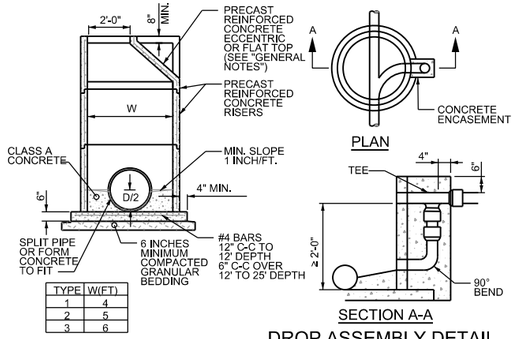
SIDE PROTECTION INSTALLATION

GENERAL NOTES:

1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPE INSULATION DETAIL

SCALE: NONE



TYPE	W(FT)
1	4
2	5
3	6

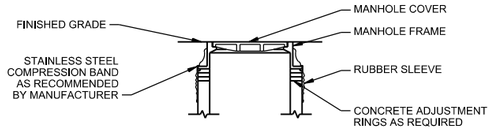
DROP ASSEMBLY DETAIL

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING AND THE APPLICABLE SPECIAL CONDITIONS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
2. DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.
3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
4. ECCENTRIC CONE TOPS SHALL BE USED ON ALL STRUCTURES 5 FEET OR GREATER IN DEPTH, AND FLAT TOPS SHALL BE USED ONLY ON STRUCTURES LESS THAN 5 FEET IN DEPTH, UNLESS DIRECTED BY THE ENGINEER.
5. PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.
6. ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.
7. DROP CONNECTIONS SHALL BE USED WHEN THE PIPE INVERT IS MORE THAN 2 FEET ABOVE THE MANHOLE INVERT. PRECAST STRUCTURE MANWAY CLEAR OPENING SHALL MATCH CASTING - REFER TO STANDARD SPECIFICATION
8. DIVISION 33 AND THE APPLICABLE SPECIAL CONDITIONS.
   - OPENING SHALL BE 24" FOR R-1550 CASTINGS
   - OPENING SHALL BE 27" FOR R-1642 CASTINGS

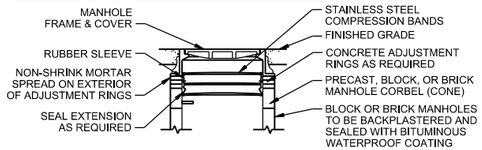
PRECAST REINFORCED CONCRETE MANHOLE DETAIL

SCALE: NONE



GENERAL NOTE:
THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.

EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

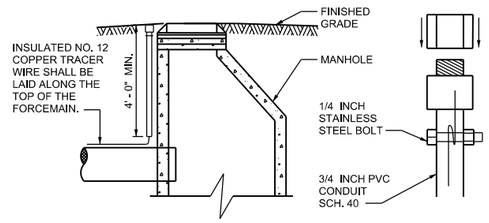


GENERAL NOTES:
1. THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.
2. AN INTERAL ADAPTOR SEAL RING MAY BE USED IN LIEU OF THE RUBBER SLEEVE. THE INTERNAL ADAPTOR SEAL RING SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

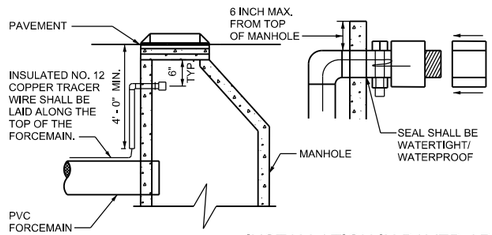
INTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

MANHOLE WATERPROOFING DETAIL

SCALE: NONE



INSTALLATION IN UNPAVED AREA



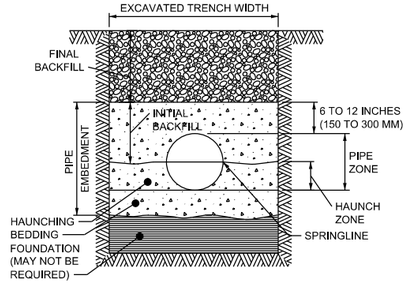
INSTALLATION IN PAVED AREA

GENERAL NOTES:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. A THREADED, FEMALE PVC SCHEDULE 40 PLUG AND MALE COUPLING GLUED TO 3/4 INCH SCHEDULE 40 SHALL BE INSTALLED IN OR ADJACENT TO THE VALVE VAULT AND MANHOLE.
3. WIRE PIGTAIL SHALL BE WRAPPED AROUND BOLT AND READILY ACCESSIBLE, WITH SUFFICIENT LENGTH FOR EASY CONNECTION.

TRACER WIRE INSTALLATION FOR PVC FORCEMAIN DETAIL

SCALE: NONE

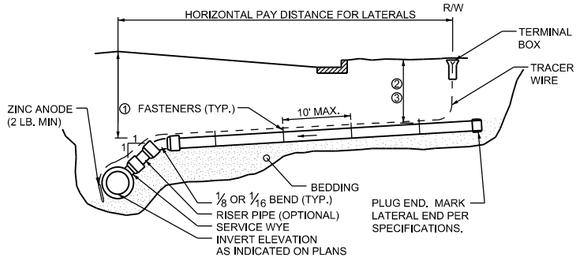


GENERAL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
2. CLASS II EMBEDMENT MATERIAL SHALL BE CLEAN, COARSE-GRAINED SOILS WITH LITTLE TO NO FINES. NO PARTICLES LARGER THAN 1 1/2 -INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
3. WHERE HYDRAULIC GRADIENT EXISTS USE A WELL-GRADED MIXTURE TO MINIMIZE MIGRATION OF FINES FROM ADJACENT SOIL.
4. CLASS II MATERIAL IS SUITABLE AS A FOUNDATION AND FOR REPLACING OVER-EXCAVATED AND UNSTABLE TRENCH BOTTOM. INSTALL AND COMPACT IN 6-INCH MAXIMUM LAYERS.
5. INSTALL AND COMPACT BEDDING IN 6-INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS.)
6. INSTALL AND COMPACT HAUNCHING IN 6-INCH MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
7. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6 INCH ABOVE PIPE CROWN.
8. EMBEDMENT COMPACTION:
   MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.

CLASS II - FLEXIBLE PIPE EMBEDMENT DETAIL

SCALE: NONE



ELEVATION VIEW

NOTES FOR LATERAL INSTALLATION:

1. MINIMUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MINIMUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. MINIMUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.

NOTES FOR TRACER WIRE INSTALLATION:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. NO. 12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED WITH THE NON-CONDUCTIVE SERVICE. PIPE TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER MAIN OR AS DETERMINED BY THE ENGINEER OR OWNER. TRACER WIRE INSTALLATION REQUIRES ACCESS POINTS AT LEAST EVERY 300 FEET.
3. TRACER WIRE SHALL BE RESTRAINED BY CABLE-TIES, TAPE, OR BY NON-CORRESIVE FASTNER APPROVED BY THE OWNER, INSTALLED EVERY 10 FEET ALONG SERVICE. DO NOT WRAP TRACER WIRE AROUND THE PIPE.
4. TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATED IN A FLUSH MOUNTED TERMINAL BOX WITH A CAST IRON LOCKABLE TOP. SPLICES IN TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT OR COMPRESSION-TYPE CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION. TERMINAL BOX SHALL BE VALVCO, OR APPROVED EQUAL.

SANITARY SEWER LATERAL DETAIL

SCALE: NONE

DATE 29DEC15 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	6350-07-87 QUANTITY
0300	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22.000	22.000
0320	312.0110	Select Crushed Material	TON	26.000	26.000
0410	455.0122	Asphaltic Material PG64-34	TON	0.500	0.500
0450	460.1101	HMA Pavement Type E-1	TON	9.000	9.000
1450	619.1000	Mobilization	EACH	0.020	0.020
1510	628.1504	Silt Fence	LF	439.000	439.000
1520	628.1520	Silt Fence Maintenance	LF	439.000	439.000
2290	690.0150	Sawing Asphalt	LF	44.000	44.000
2360	SPV.0060	Special 02. Sanitary Sewer Wye, 8-Inch x 6-Inch	EACH	6.000	6.000
2370	SPV.0060	Special 03. Core & Connect Sanitary to Existing Lift Station	EACH	1.000	1.000
2380	SPV.0060	Special 04. Connect Force Main to Existing Force Main	EACH	1.000	1.000
2390	SPV.0060	Special 05. Connect Force Main to Existing Manhole	EACH	1.000	1.000
2400	SPV.0060	Special 06. Connect to Existing Sanitary Laterals	EACH	6.000	6.000
2410	SPV.0060	Special 07. Adjust Existing Sanitary Manhole	EACH	2.000	2.000
2420	SPV.0060	Special 08. Remove Existing Sanitary Manhole	EACH	1.000	1.000
2430	SPV.0060	Special 09. Sanitary Sewer Manhole, Type 1	EACH	2.000	2.000
2530	SPV.0090	Special 04. Sanitary Lateral, PVC 6-Inch	LF	314.000	314.000
2540	SPV.0090	Special 05. Sanitary Sewer, PVC 8-Inch	LF	422.000	422.000
2550	SPV.0090	Special 06. Sanitary Force Main, PVC 4-Inch	LF	487.000	487.000
2560	SPV.0090	Special 07. Remove Existing Sanitary Sewer 8-Inch	LF	387.000	387.000
2570	SPV.0090	Special 08. Remove Existing Sanitary Lateral 6-Inch	LF	268.000	268.000
2580	SPV.0090	Special 09. Remove Existing Force Main 4-Inch	LF	99.000	99.000
2660	SPV.0165	Special 01. 2-Inch Rigid Polystyrene Insulation	SF	288.000	288.000

3

BASE AGGREGATE DENSE

STATION - STATION	305.0120 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	REMARKS
PROJECT 6350-07-87			
CATEGORY 0010			
STAGE 1			
124+55.45 - 124+77.53	22	26	MAINLINE
CATEGORY 0010 SUBTOTAL	22	26	
PROJECT 6350-07-87 SUBTOTAL	22	26	
PROJECT ITEM TOTALS	**22**	**26**	

ASPHALTIC ITEMS

STATION	455.0122 ASPHALTIC MATERIAL PG64-34 TON	460.1101 HMA PAVMENT TYPE E-1 TON	REMARKS
PROJECT 6350-07-87			
CATEGORY 0010			
STAGE 1			
124+55.45 - 124+77.53	0.5	9	MAINLINE
CATEGORY 0010 SUBTOTAL	0.5	9	
PROJECT 6350-07-87 SUBTOTAL	0.5	9	
PROJECT ITEM TOTALS	**0.5**	**9**	

SANITARY SEWER

STATION - STATION	LOCATION	SPV 0090.04 SANITARY LATERAL PVC 6-INCH LF	SPV 0090.05 SANITARY SEWER PVC 8-INCH LF	SPV 0090.06 SANITARY FORCE MAIN PVC 4-INCH LF	SPV 0090.07 REMOVE EXISTING SANITARY SEWER LF	SPV 0090.08 REMOVE EXISTING SANITARY LATERAL LF	SPV 0090.09 REMOVE EXISTING FORCE MAIN LF	SPV 0165.01 2-INCH RIGID POLYSTYRENE INSULATION SF
PROJECT 6350-07-87								
CATEGORY 0010								
STAGE 1								
119+75.2 - 121+00	RT	---	122	---	---	---	---	32
119+75.2 - 124+69.5	LT/RT	---	---	487	---	---	99	64
120+81.9 - 124+69.5	LT/RT	---	---	---	387	---	---	---
120+87.2 - 120+97.2	LT/RT	65	---	---	---	55	---	32
121+00 - 124+00	LT/RT	---	300	---	---	---	---	32
121+40.8 - 121+46	LT/RT	66	---	---	---	55	---	32
121+99.1 - 121+99.1	LT	56	---	---	---	44	---	32
122+39.6 - 122+39.6	RT	32	---	---	---	45	---	---
122+45.6 - 122+45.6	LT	55	---	---	---	43	---	32
123+62.3 - 123+62.3	LT	40	---	---	---	26	---	32
CATEGORY 0010 SUBTOTAL		314	422	487	387	268	99	288
PROJECT 6350-07-87 SUBTOTAL		314	422	487	387	268	99	288
PROJECT ITEM TOTALS		**314**	**422**	**487**	**387**	**268**	**99**	**288**

SANITARY SEWER

STATION	LOCATION	SPV 0060.02 SANITARY SEWER WYE, 8-INCH X 6-INCH EA	SPV 0060.03 CORE & CONNECT SAN. TO EXIST. LIFT STATION EA	SPV 0060.04 CONNECT FORCE MAIN TO EXIST. FORCE MAIN EA	SPV 0060.05 CONNECT FORCE MAIN TO EXIST. MANHOLE EA	SPV 0060.06 CONNECT TO EXIST. SANITARY LATERALS EA	SPV 0060.07 ADJUST EXISTING SANITARY MANHOLE EA	SPV 0060.08 REMOVE EXISTING SANITARY MANHOLE EA	SPV 0060.09 SANITARY SEWER MANHOLE TYPE 1 EA
PROJECT 6350-07-87									
CATEGORY 0010									
STAGE 1									
117+30.2	73.0' RT	—	---	—	—	—	1	—	—
117+50.3	19.5' RT	—	---	—	—	—	1	—	—
119+75.2	28.4' RT	—	1	—	—	—	—	—	—
119+83.1	27.1' RT	—	---	1	—	—	—	—	—
120+81.9	0.2' RT	—	---	—	—	—	—	1	—
120+87.2	56.9' LT	—	---	—	—	1	—	—	—
120+97.2	7.3' RT	1	---	—	—	—	—	—	—
121+00	0' RT	—	---	—	—	—	—	—	1
121+40.8	64.2' LT	—	---	—	—	1	—	—	—
121+46	1.3' RT	1	---	—	—	—	—	—	—
121+91	55.5' LT	—	---	—	—	1	—	—	—
121+91	0' RT	1	---	—	—	—	—	—	—
122+39.6	0' RT	1	---	—	—	—	—	—	—
122+39.6	32.4' RT	—	---	—	—	1	—	—	—
122+45.6	55.0' LT	—	---	—	—	1	—	—	—
122+45.6	0' RT	1	---	—	—	—	—	—	—
123+62.3	40.0' LT	—	---	—	—	1	—	—	—
123+62.3	0' RT	1	---	—	—	—	—	—	—
124+00	0' RT	—	---	—	—	—	—	—	1
124+69.5	16.1' LT	—	---	—	1	—	—	—	—
CATEGORY 0010 SUBTOTAL		6	1	1	1	6	2	1	2
PROJECT 6350-07-87 SUBTOTAL		6	1	1	1	6	2	1	2
PROJECT ITEM TOTALS		**6**	**1**	**1**	**1**	**6**	**2**	**1**	**2**

EROSION CONTROL

STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
PROJECT 6350-07-87			
CATEGORY 0010			
STAGE 1			
119+53.2 - 124+46.1	RT	439	439
CATEGORY 0010 SUBTOTAL		439	439
PROJECT 6350-07-87 SUBTOTAL		439	439
PROJECT ITEM TOTALS		**439**	**439**

SAWING ASPHALT

STATION - STATION	LOCATION	690.0150 SAWING ASPHALT LF
PROJECT 6350-07-87		
CATEGORY 0010		
STAGE 1		
124+55.45 - 124+77.53	LT	44
CATEGORY 0010 SUBTOTAL		44
PROJECT 6350-07-87 SUBTOTAL		44
PROJECT ITEM TOTALS		**44**

NOTE 1:
1 - 8" X 6" WYE
1 - CONNECT TO EXIST. SAN. LAT. & INSTALL TRACER WIRE TERMINAL BOX CONTRACTOR TO FIELD VERIFY LOCATION OF EXIST. LAT.

OBLITERATE OLD ROAD
REMOVE EXISTING ASPHALT PAVEMENT, TOPSOIL, SEED FERTILIZE AND MULCH

18" CMP
230+00"A"
229+00"A"
OLD US 10
24" CMP
PI 232+07.28
KDL
SLOPE INTERCEPT (TYP)
PT 114+81.54
MATCHLINE STA 114+50
115+00
116+00
117+00
118+00
119+00
120+00
121+00
MARSHFIELD ST
PI 229+08.71"A"
BM 1
ADJUST EXISTING MANHOLE TO GRADE
OLD STH 186
CTH P
232+00
231+00
230+00
PI 119+30.69
PI 118+72.47
CORE & CONNECT 8" PVC SAN. TO EXISTING LIFT STATION
EXISTING LIFT STATION
PC 119+95.67
STA. 119+83.1, 27.1' RT CONNECT NEW FM TO EXIST. FM & INSTALL TRACER WIRE TERMINAL BOX
STA. 120+51.5, 11.8' RT. BEND POINT
PRC 120+77.44
PI 120+36.76
PT 121+82.06
PI 121+22.93
MATCHLINE STA 122+00
56 LF - 6" PVC SAN. SEE NOTE 1
66 LF - 6" PVC SAN. SEE NOTE 1
65 LF - 6" PVC SAN. SEE NOTE 1
216 LF - PROPOSED FORCE MAIN (CONNECTION - MATCH LINE)
SILT FENCE (TYP.)
REMOVE EXISTING SANITARY MANHOLE, FORCE MAIN & SANITARY SEWER
APT #6126
GAR
APT #6124
APT #6118
12" PINE
15" CMP
SHRUBS
FLOWER BI
= REMOVE TREE

SANITARY MANHOLE, TYPE 1 W/CASTING, R-1550
STA. 121+00, 6.5' RT.
RIM = 1223.17
I.E. = 1215.60 (8" W)
I.E. = 1215.60 (8" E)

℄ CTH P
FINISHED ℄ PROFILE
EXISTING ℄ PROFILE
REMOVE EXISTING SANITARY MANHOLE
EXISTING LIFT STATION
EXISTING 8" SANITARY SEWER TO BE REMOVED
I.E. OF PROPOSED FORCE MAIN. MAINTAIN POSITIVE GRADE TO EX. MH
.50%
.30%
SD LT
SD RT
I.E. = 1215.11 (8" SAN)
CONNECT TO EXIST. FM I.E. = 1214.72 (4" FM)
122 LF - 8" SANITARY SEWER @ 0.40%
EXISTING FORCE MAIN TO BE REMOVED
EXISTING 8" SANITARY SEWER
EXISTING ℄ ELEVATIONS
FINISHED ℄ ELEVATIONS

1230 1225 1220 1215 1210 1205

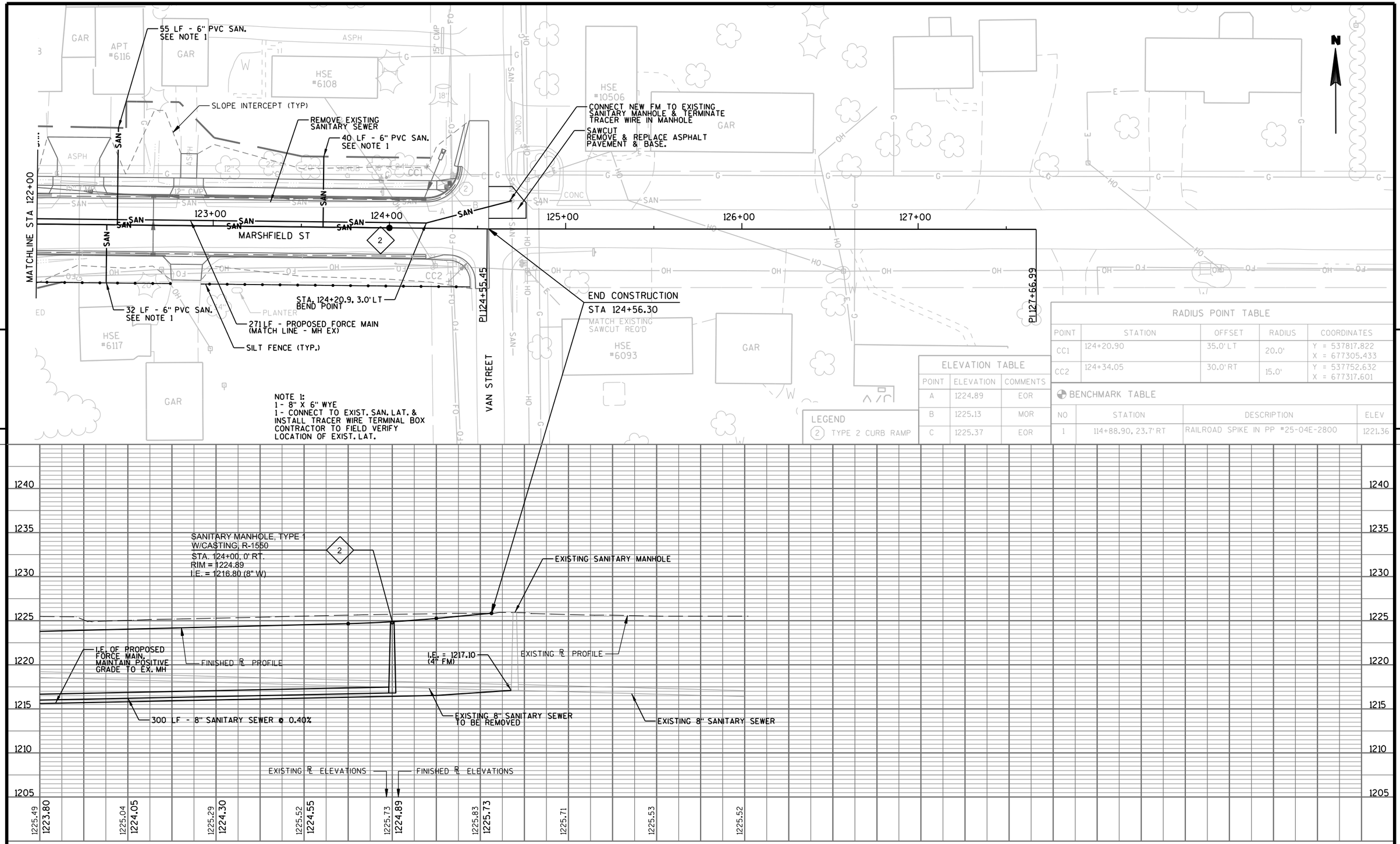
115+00	116+00	117+00	118+00	119+00	120+00	121+00	122+00
1220.99 / 1221.46	1221.36 / 1221.64	1221.47 / 1222.05	1221.50 / 1222.72	1220.26 / 1223.63	1225.22 / 1224.45	1221.80 / 1225.04	1222.25 / 1225.40
1222.30 / 1225.53	1222.30 / 1224.43	1222.87 / 1223.08	1223.22 / 1222.83	1222.98 / 1223.05	1225.29 / 1223.30	1225.36 / 1223.55	1225.49 / 1223.80

PROJECT NO: 6350-07-87	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE - MARSHFIELD STREET SANITARY	SHEET 6 E

FILE NAME : P:\570s\578\00578009\caddWDOT\Planshts\050115 pp A.dgn PLOT TIME : 1:16:30 PM PLOT DATE : 12/16/2015 PLOT BY : sdolens PLOT NAME : PLOT SCALE : 1:50

050115 pp A.dgn 12/16/2015 1:16:30 PM sdolens

WISDOT/CADDS SHEET 40



ELEVATION TABLE		
POINT	ELEVATION	COMMENTS
A	1224.89	EOR
B	1225.13	MOR
C	1225.37	EOR

LEGEND
(2) TYPE 2 CURB RAMP

RADIUS POINT TABLE

POINT	STATION	OFFSET	RADIUS	COORDINATES
CC1	124+20.90	35.0' LT	20.0'	Y = 537817.822 X = 677305.433
CC2	124+34.05	30.0' RT	15.0'	Y = 537752.632 X = 677317.601

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
1	114+88.90, 23.7' RT	RAILROAD SPIKE IN PP #25-04E-2800	1221.36

PROJECT NO: 6350-07-87	HWY: CTH P	COUNTY: WOOD	PLAN AND PROFILE - MARSHFIELD STREET SANITARY	SHEET 7	E

FILE NAME : P:\570s\578\00578009\caddWDOT\Plansht s\050116 pp A.dgn PLOT TIME : 1:16:31 PM PLOT DATE : 12/16/2015 PLOT BY : sdolens PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 40

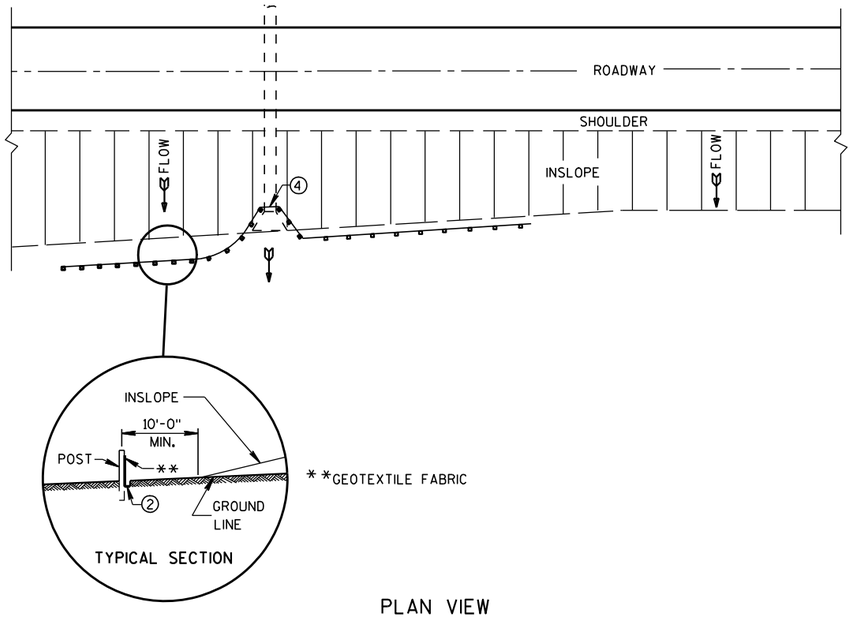
050116 pp A.dgn 12/16/2015 1:16:31 PM sdolens

Standard Detail Drawing List

08E09-06	SILT FENCE

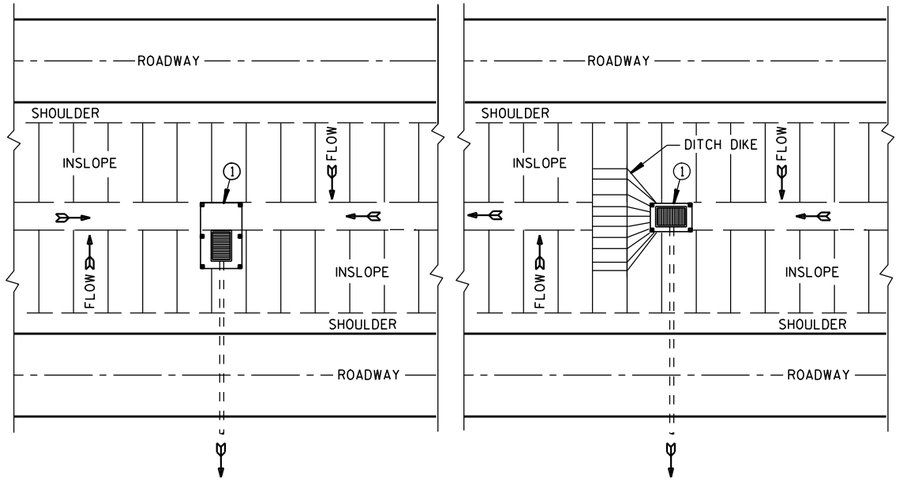
6

6



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.

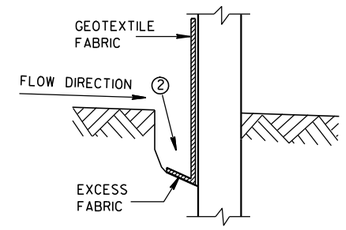
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

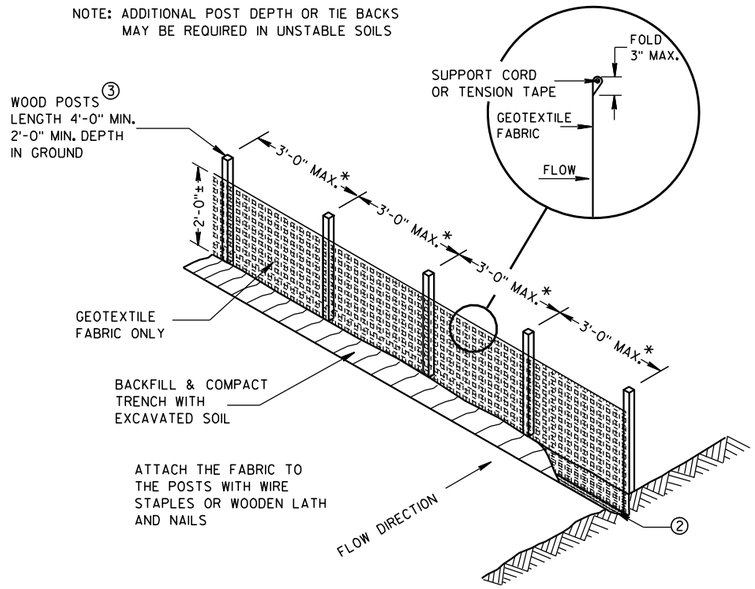
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

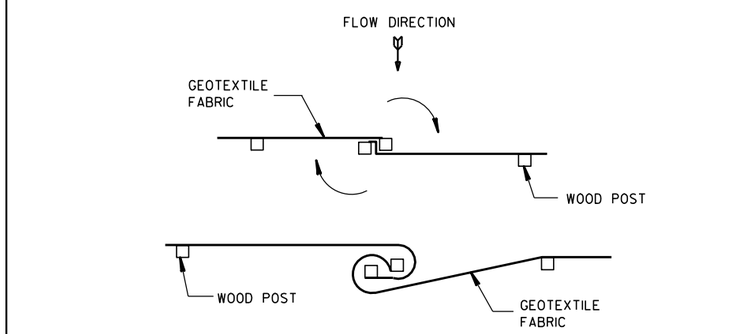
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



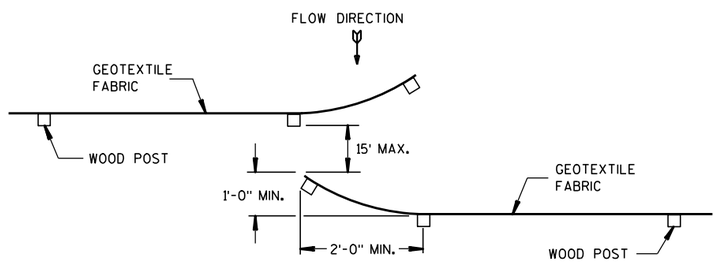
TRENCH DETAIL



SILT FENCE

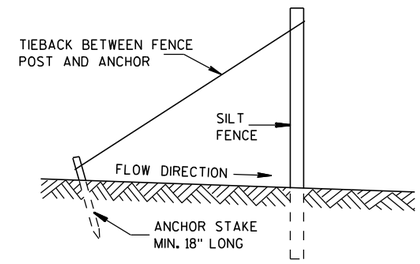


TWIST METHOD



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

6

S.D.D. 8 E 9-6

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